GCMS Extractables 1,4-Dioxane By SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
MW-3A (L2447890-01)	44	--	--	--	--	--	0
MW-6A (L2447890-02)	46	--	--	--	--	--	0
MW-6B (L2447890-03)	47	--	--	--	--	--	0
MW-9B (L2447890-11)	50	--	--	--	--	--	0
DUP (L2447890-12)	50	--	--	--	--	--	0
FIELD BLANK (L2447890-13)	50	--	--	--	--	--	0
WG1964624-1BLANK	54	--	--	--	--	--	0
WG1964624-2LCS	51	--	--	--	--	--	0
WG1964624-3LCSD	51	--	--	--	--	--	0
MW-6BMS	44	--	--	--	--	--	0
MW-6BMSD	44	--	--	--	--	--	0

QC LIMITS
(15-110) S1 = 1,4-DIOXANE-D8

*** Values outside of QC limits**

FORM II A2-1,4-DIOXANE-SIM

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964624-2 **Analysis Date** : 08/28/24 09:47	**File ID**	: F508282404
LCSD Sample ID	: WG1964624-3 **Analysis Date** : 08/28/24 10:14	**File ID**	: F508282405

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,4-Dioxane	**5000**	**5280**	**106**	**5000**	**5320**	**106**	**0**	**40-140**	**30**

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447890-03	**Analysis Date**	: 08/28/24 11:41
Matrix Spike	: WG1964624-4	**MS Analysis Date**	: 08/28/24 12:05
Matrix Spike Dup	: WG1964624-5	**MSD Analysis Date**	: 08/28/24 12:26

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	ND	4810	5350	111	4540	5010	110	7	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1964624-1	**Lab File ID**	: F508282403
Instrument ID	: PAH5	**Extraction Date**	: 08/27/24
Matrix	: WATER	**Analysis Date**	: 08/28/24 09:22
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
MW-9B	L2447890-11	08/28/24 09:27
WG1964624-2LCS	WG1964624-2	08/28/24 09:47
DUP	L2447890-12	08/28/24 09:51
WG1964624-3LCSD	WG1964624-3	08/28/24 10:14
FIELD BLANK	L2447890-13	08/28/24 10:17
MW-3A	L2447890-01	08/28/24 10:41
MW-6A	L2447890-02	08/28/24 11:08
MW-6B	L2447890-03	08/28/24 11:41
MW-6BMS	WG1964624-4	08/28/24 12:05
MW-6BMSD	WG1964624-5	08/28/24 12:26

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PAH5	**Analysis Date**	: 07/17/24 15:18
Tune Standard	: R1854170-1	**Tune File ID**	: F507172401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30.5
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.1
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	93.4
443	15.0 - 24.0% of mass 442	17.6 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R1854170-2	F507172402	07/17/24 15:53
STD 50	R1854170-3	F507172403	07/17/24 16:24
STD 100	R1854170-4	F507172404	07/17/24 16:46
STD 500	R1854170-5	F507172405	07/17/24 17:07
STD 1000	R1854170-6	F507172406	07/17/24 17:29
STD 5000	R1854170-7	F507172407	07/17/24 17:50
STD 10000	R1854170-8	F507172408	07/17/24 18:11
ICV QUANT REPORT	R1854170-9	F507172409	07/17/24 18:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PAH5	**Analysis Date**	: 08/28/24 07:21
Tune Standard	: WG1965023-1	**Tune File ID**	: F508282401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.4
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	80.4
443	15.0 - 24.0% of mass 442	15.3 (19)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1965023-2CCAL	WG1965023-2	F508282402	08/28/24 08:02
WG1964624-1BLANK	WG1964624-1	F508282403	08/28/24 09:22
WG1964624-2LCS	WG1964624-2	F508282404	08/28/24 09:47
WG1964624-3LCSD	WG1964624-3	F508282405	08/28/24 10:14
MW-3A	L2447890-01	F508282406	08/28/24 10:41
MW-6A	L2447890-02	F508282407	08/28/24 11:08
MW-6B	L2447890-03	F508282408	08/28/24 11:41
WG1964624-4MS	WG1964624-4	F508282409	08/28/24 12:05
WG1964624-5MSD	WG1964624-5	F508282410	08/28/24 12:26

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: GCMS6	**Analysis Date**	: 07/29/24 08:40
Tune Standard	: R1858067-1	**Tune File ID**	: F607292401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	23.2
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	40.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.8
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	16.4
442	Base Peak, or >50% of mass 198	80.2
443	15.0 - 24.0% of mass 442	15.1 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R1858067-2	F607292402	07/29/24 09:17
STD 50	R1858067-3	F607292403	07/29/24 09:40
STD100	R1858067-5	F607292404	07/29/24 10:01
STD 500	R1858067-4	F607292405	07/29/24 10:23
STD 1000	R1858067-6	F607292406	07/29/24 10:45
STD 5000	R1858067-7	F607292407	07/29/24 11:07
STD 10000	R1858067-8	F607292408	07/29/24 11:29
ICV QUANT REPORT	R1858067-9	F607292409	07/29/24 11:50

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: GCMS6	**Analysis Date**	: 08/28/24 07:18
Tune Standard	: WG1964894-1	**Tune File ID**	: F608282401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	26.4
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	41.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	31
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	80.9
443	15.0 - 24.0% of mass 442	15.3 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1964894-2CCAL	WG1964894-2	F608282402	08/28/24 07:57
MW-9B	L2447890-11	F608282403	08/28/24 09:27
DUP	L2447890-12	F608282404	08/28/24 09:51
FIELD BLANK	L2447890-13	F608282405	08/28/24 10:17

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: GCMS6	**Analysis Date**	: 08/28/24 07:57:00
Sample No	: WG1964894-2	**Lab File ID**	: F608282402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1964894-2	146667	8.77				
Upper Limit	293334	9.27				
Lower Limit	73334	8.27				
Sample ID						
MW-9B	133215	8.78				
DUP	127174	8.78				
FIELD BLANK	127427	8.78				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PAH5	**Analysis Date**	: 08/28/24 08:02:00
Sample No	: WG1965023-2	**Lab File ID**	: F508282402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1965023-2	29548	7.76				
Upper Limit	59096	8.26				
Lower Limit	14774	7.26				
Sample ID						
WG1964624-1 BLANK	23852	7.78				
WG1964624-2 LCS	24636	7.77				
WG1964624-3 LCSD	23934	7.77				
MW-3A	24179	7.78				
MW-6A	24404	7.78				
MW-6B	24369	7.78				
MW-6B MS	24196	7.78				
MW-6B MSD	23147	7.78				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12115-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	150	33.9	ng/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ng/l								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12118-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	8	2.04	ug/kg	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/kg								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 10:41
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508282406	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 11:08
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508282407	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 11:41
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508282408	**Analyst**	: GRS
Sample Amount	: 275 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	136	30.8	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 09:27
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282403	**Analyst**	: GRS
Sample Amount	: 245 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	153	34.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 09:51
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282404	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 10:17
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282405	**Analyst**	: GRS
Sample Amount	: 275 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	136	30.8	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964624-1	**Date Collected**	: NA
Client ID	: WG1964624-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 09:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508282403	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282403.D
Acq On : 28 Aug 2024 9:27 am
Operator : GCMS6:GRS
Sample : L2447890-11,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 13:09:32 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.130	64	21156	500.000	ng/mL	0.02
3) 1,4-Dichlorobenzene-d4	8.783	152	133215	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.130	64	21156	250.079	ng/mL	0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 50.02%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

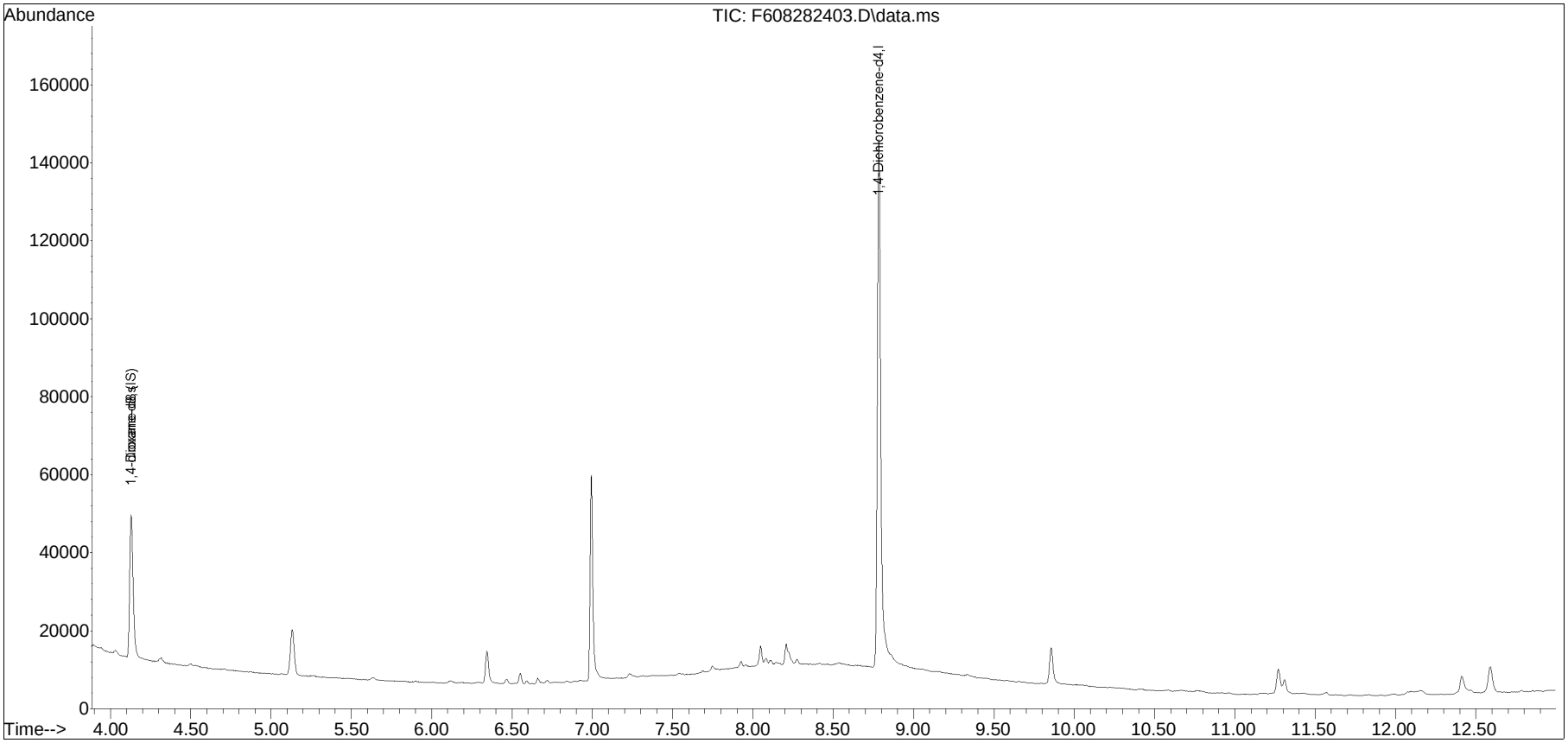
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282403.D
Acq On : 28 Aug 2024 9:27 am
Operator : GCMS6:GRS
Sample : L2447890-11,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 13:09:32 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282403.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 9:27 am	Instrument	: GCMS 6
Sample	: L2447890-11,32,,	Quant Date	: 8/28/2024 1:08 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282404.D
Acq On : 28 Aug 2024 9:51 am
Operator : GCMS6:GRS
Sample : L2447890-12,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 13:09:37 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.124	64	20037	500.000	ng/mL	0.01
3) 1,4-Dichlorobenzene-d4	8.775	152	127174	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.124	64	20037	248.102	ng/mL	0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.62%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

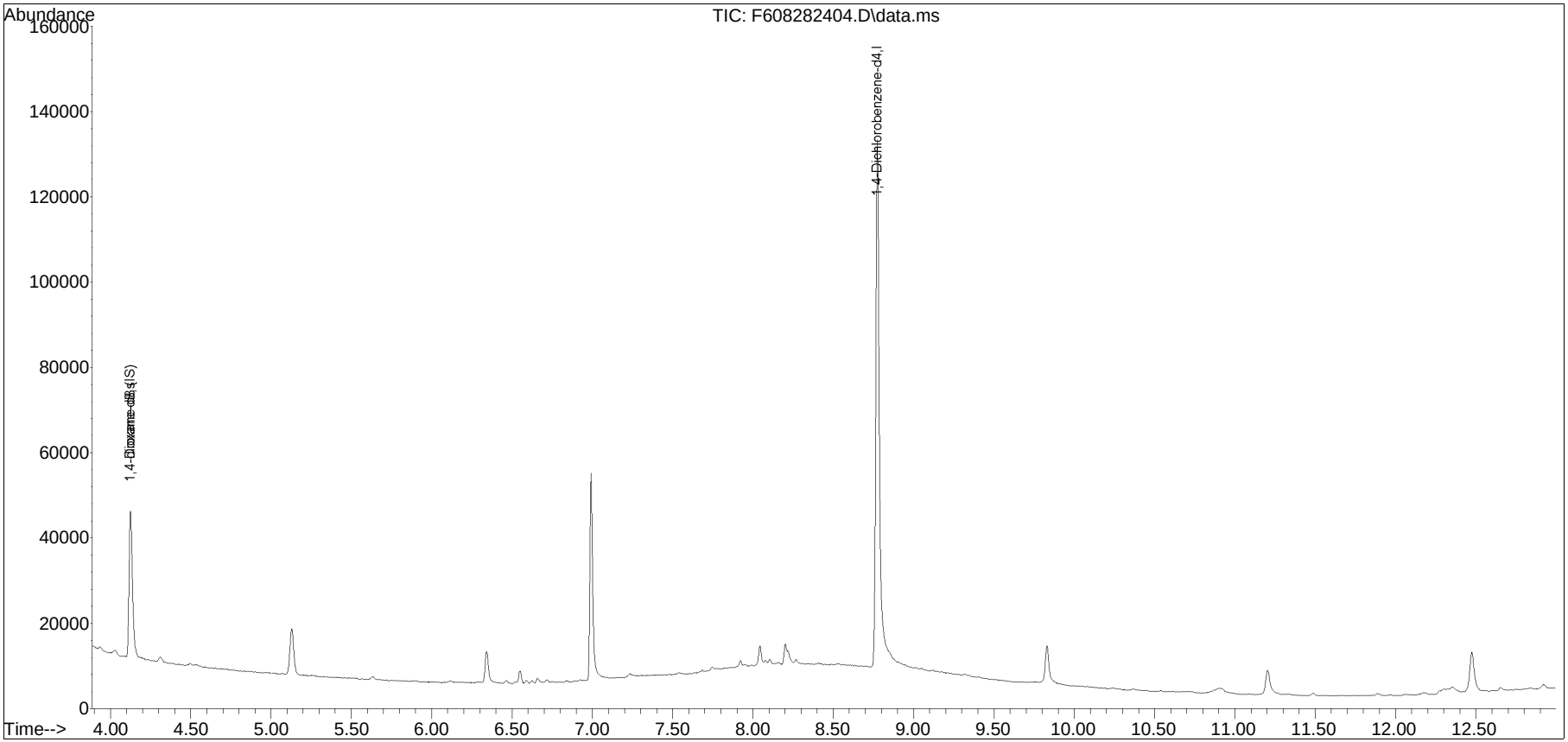
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282404.D
Acq On : 28 Aug 2024 9:51 am
Operator : GCMS6:GRS
Sample : L2447890-12,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 13:09:37 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282404.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 9:51 am	Instrument	: GCMS 6
Sample	: L2447890-12,32,,	Quant Date	: 8/28/2024 1:08 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282405.D
Acq On : 28 Aug 2024 10:17 am
Operator : GCMS6:GRS
Sample : L2447890-13,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 13:09:42 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.119	64	20035	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.780	152	127427	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.119	64	20035	247.585	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

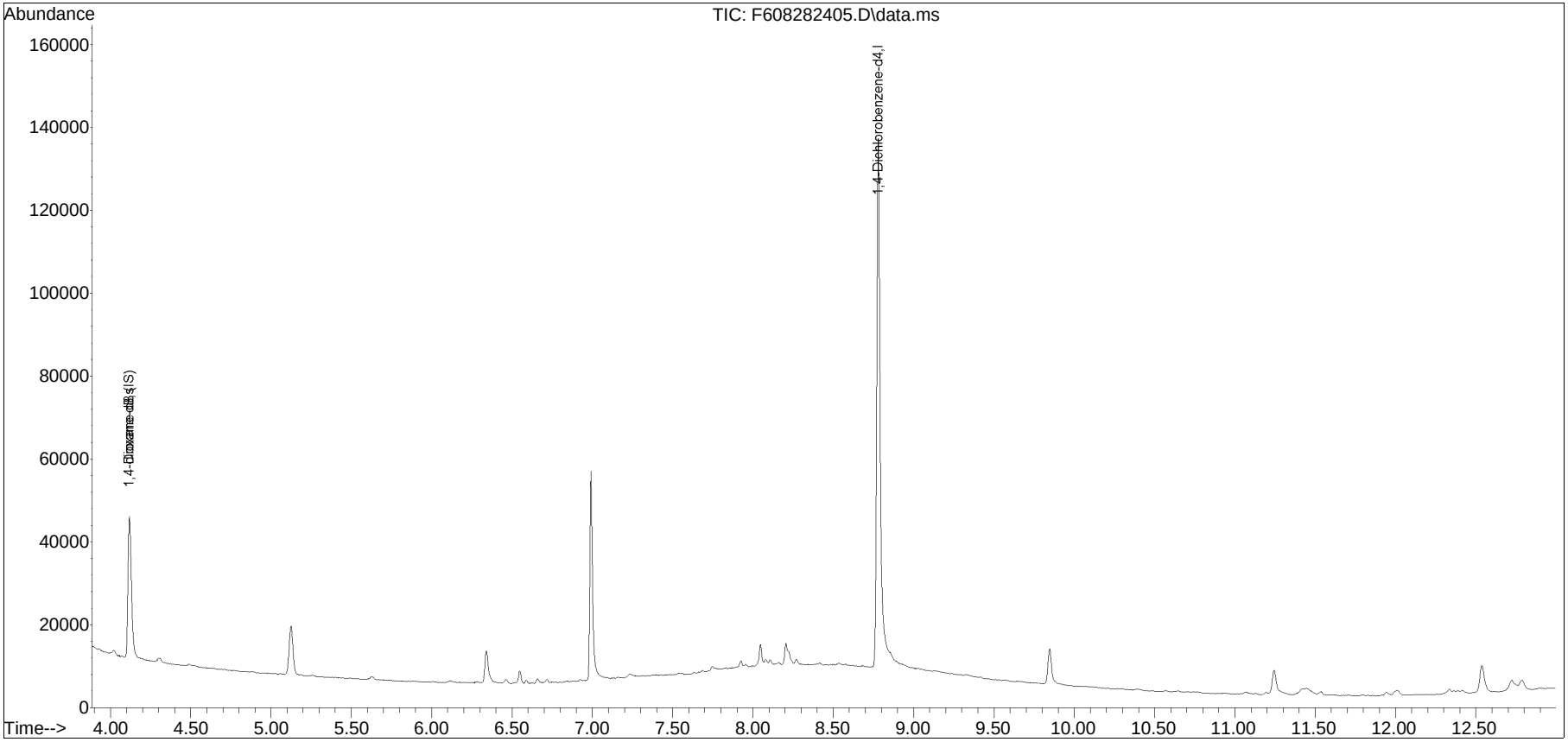
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282405.D
Acq On : 28 Aug 2024 10:17 am
Operator : GCMS6:GRS
Sample : L2447890-13,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 13:09:42 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282405.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 10:17 am	Instrument	: GCMS 6
Sample	: L2447890-13,32,,	Quant Date	: 8/28/2024 1:08 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282406.D
Acq On : 28 Aug 2024 10:41 am
Operator : PAH5:GRS
Sample : L2447890-01,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 12:43:50 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.258	64	2704	500.000	ng/mL	0.05
3) 1,4-Dichlorobenzene-d4	7.778	152	24179	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.258	64	2704	219.911	ng/mL	0.05
Spiked Amount 500.000	Range 15 - 115		Recovery = 43.98%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

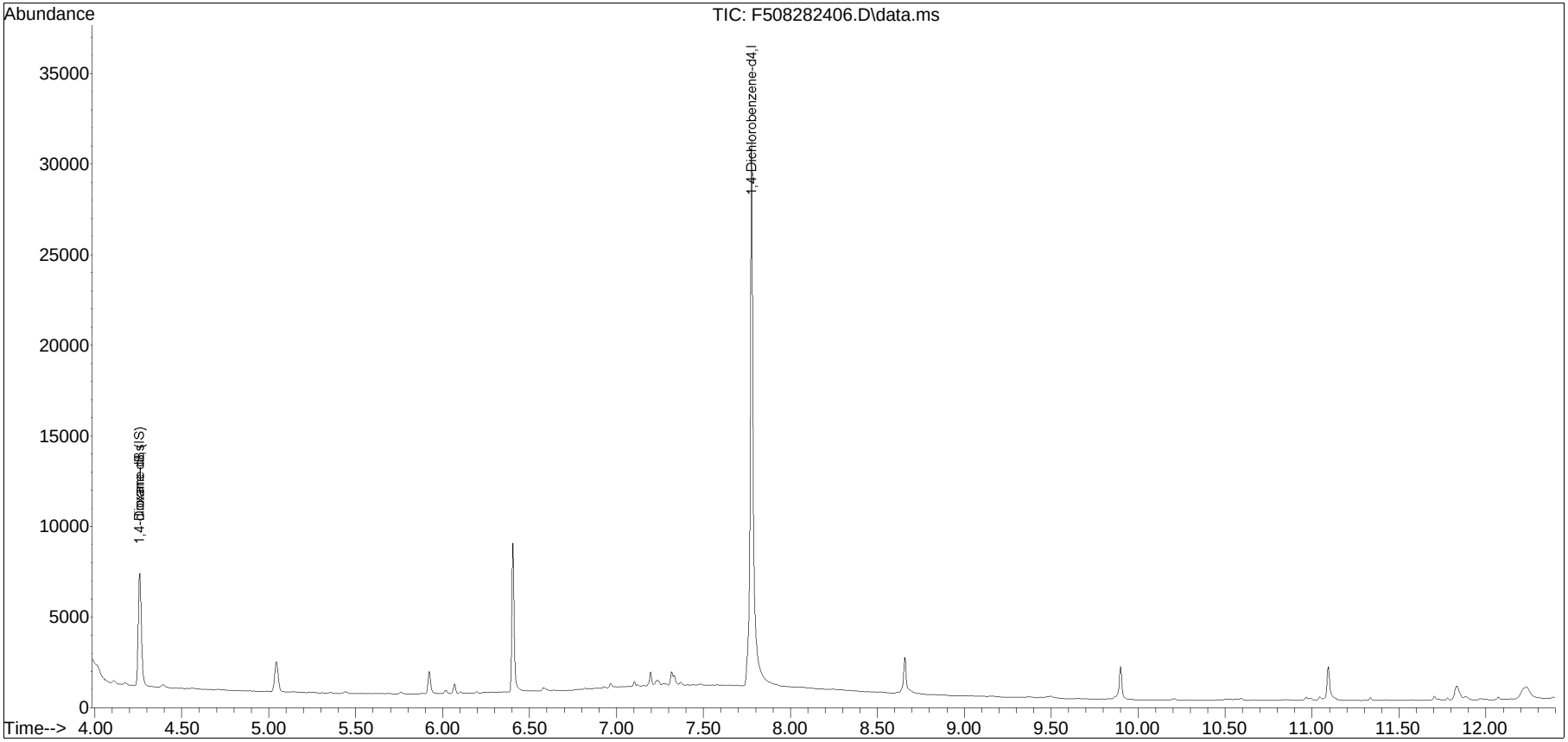
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282406.D
Acq On : 28 Aug 2024 10:41 am
Operator : PAH5:GRS
Sample : L2447890-01,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 12:43:50 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282406.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 10:41 am	Instrument	: PAH 5
Sample	: L2447890-01,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282407.D
Acq On : 28 Aug 2024 11:08 am
Operator : PAH5:GRS
Sample : L2447890-02,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 12:43:56 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.253	64	2881	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.775	152	24404	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.253	64	2881	232.146	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 46.43%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

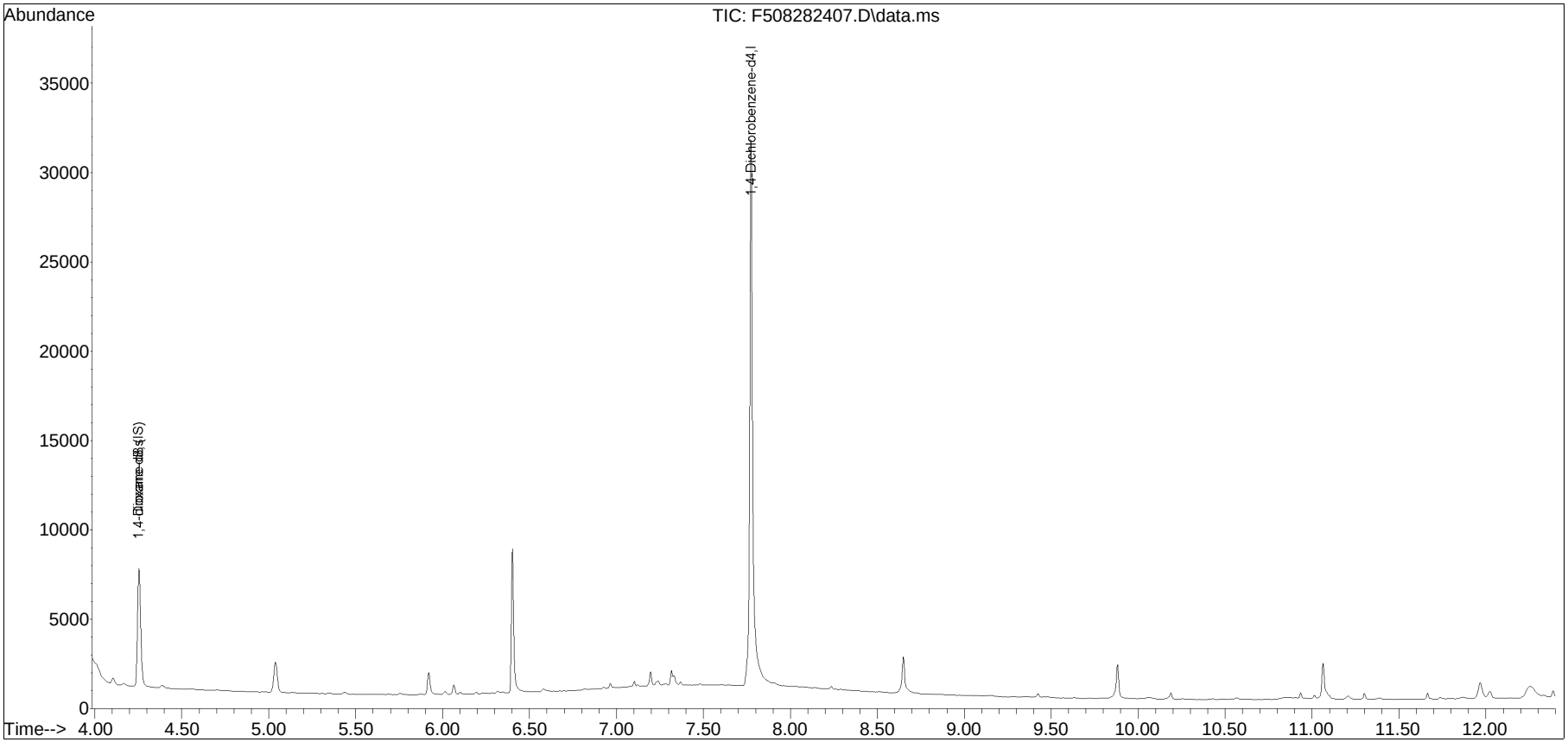
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282407.D
Acq On : 28 Aug 2024 11:08 am
Operator : PAH5:GRS
Sample : L2447890-02,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 12:43:56 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282407.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 11:08 am	Instrument	: PAH 5
Sample	: L2447890-02,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282408.D
Acq On : 28 Aug 2024 11:41 am
Operator : PAH5:GRS
Sample : L2447890-03,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 12:44:01 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.256	64	2900	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.781	152	24369	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.256	64	2900	234.012	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 46.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

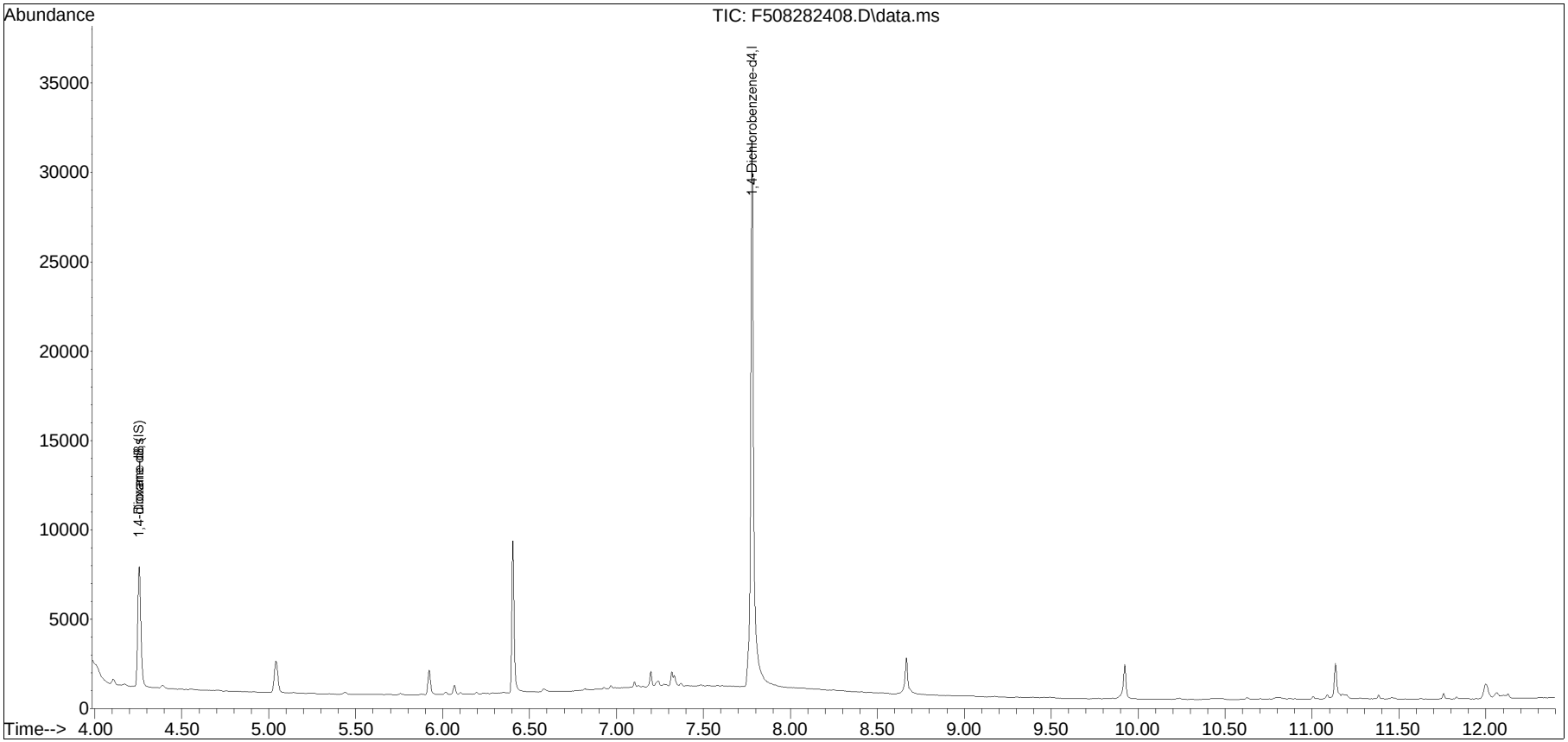
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282408.D
Acq On : 28 Aug 2024 11:41 am
Operator : PAH5:GRS
Sample : L2447890-03,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 12:44:01 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282408.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 11:41 am	Instrument	: PAH 5
Sample	: L2447890-03,32	Quant Date	: 8/28/2024 12:41 pm

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PAH5**	**Ical Ref**	**: ICAL21302**
Calibration dates	**: 07/17/24 15:53 07/17/24 18:11**		

Calibration Files
10 =F507172402.D 50 =F507172403.D 100 =F507172404.D 500 =F507172405.D 1000=F507172406.D
5000=F507172407.D 1e04=F507172408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.910	1.754	1.785	1.781	1.838	1.751	1.753	1.796	3.27
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.258	0.261	0.256	0.255	0.251	0.250	0.249	0.254	1.87

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: GCMS6**	**Ical Ref**	**: ICAL21343**
Calibration dates	**: 07/29/24 09:17 07/29/24 11:29**		

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Method File : 14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Thu Jul 18 08:20:01 2024
Response Via : Initial Calibration

Calibration Files
10 =F507172402.D 50 =F507172403.D 100 =F507172404.D 500 =F507172405.D 1000=F507172406.D
5000=F507172407.D 1e04=F507172408.D

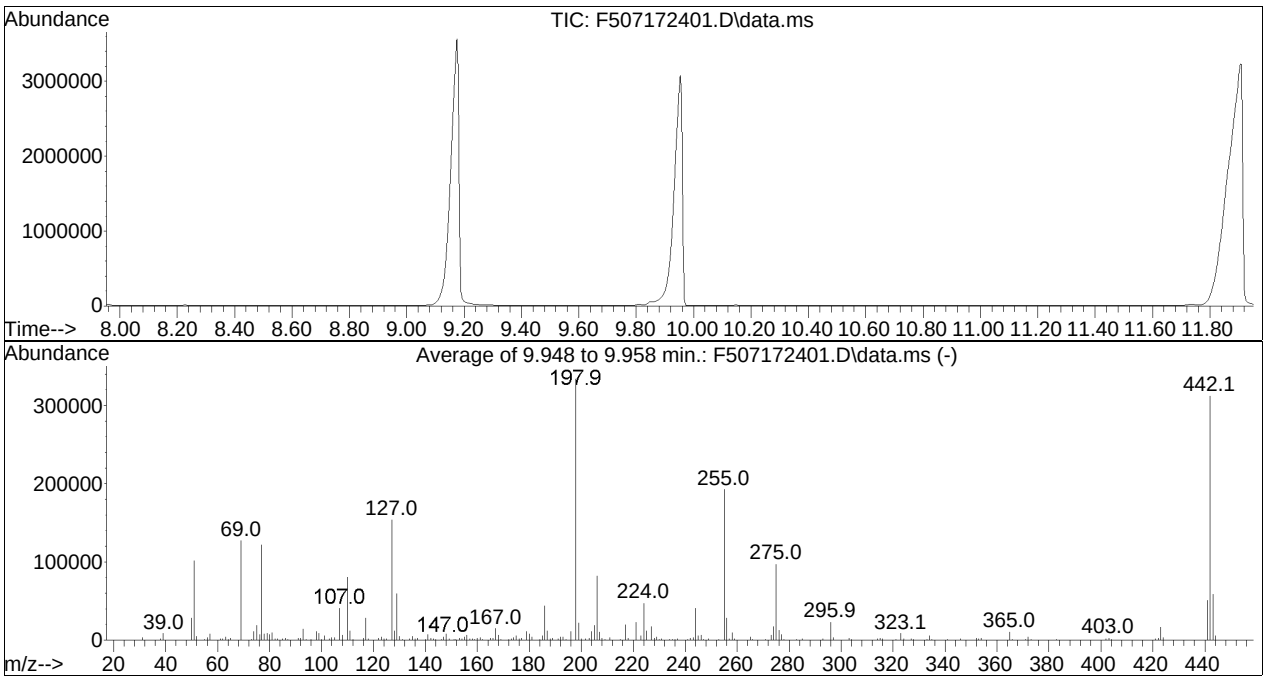
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.910	1.754	1.785	1.781	1.838	1.751	1.753	1.796	3.27
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.258	0.261	0.256	0.255	0.251	0.250	0.249	0.254	1.87

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172401.D
Acq On : 17 Jul 2024 3:18 pm
Operator : PAH5:CSP
Sample : T507172401
Misc : WG1948411,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Thu Jul 18 08:20:01 2024



Spectrum Information: Average of 9.948 to 9.958 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.5	101797	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	676	PASS
127	198	10	80	46.1	153843	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	334022	PASS
199	198	5	9	6.7	22394	PASS
275	198	10	60	29.1	97156	PASS
365	198	1	100	3.2	10753	PASS
441	442	0.01	24	16.3	50778	PASS
442	198	50	100	93.4	311864	PASS
443	442	15	24	18.9	58884	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172402.D
Acq On : 17 Jul 2024 3:53 pm
Operator : PAH5:CSP
Sample : I507172401
Misc : WG1948411,MSBT54
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 08:20:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.439	64	6834	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.873	152	26478	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.439	64	6834	507.538	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.51%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.494	88	261M4	10.633	ng/mL	

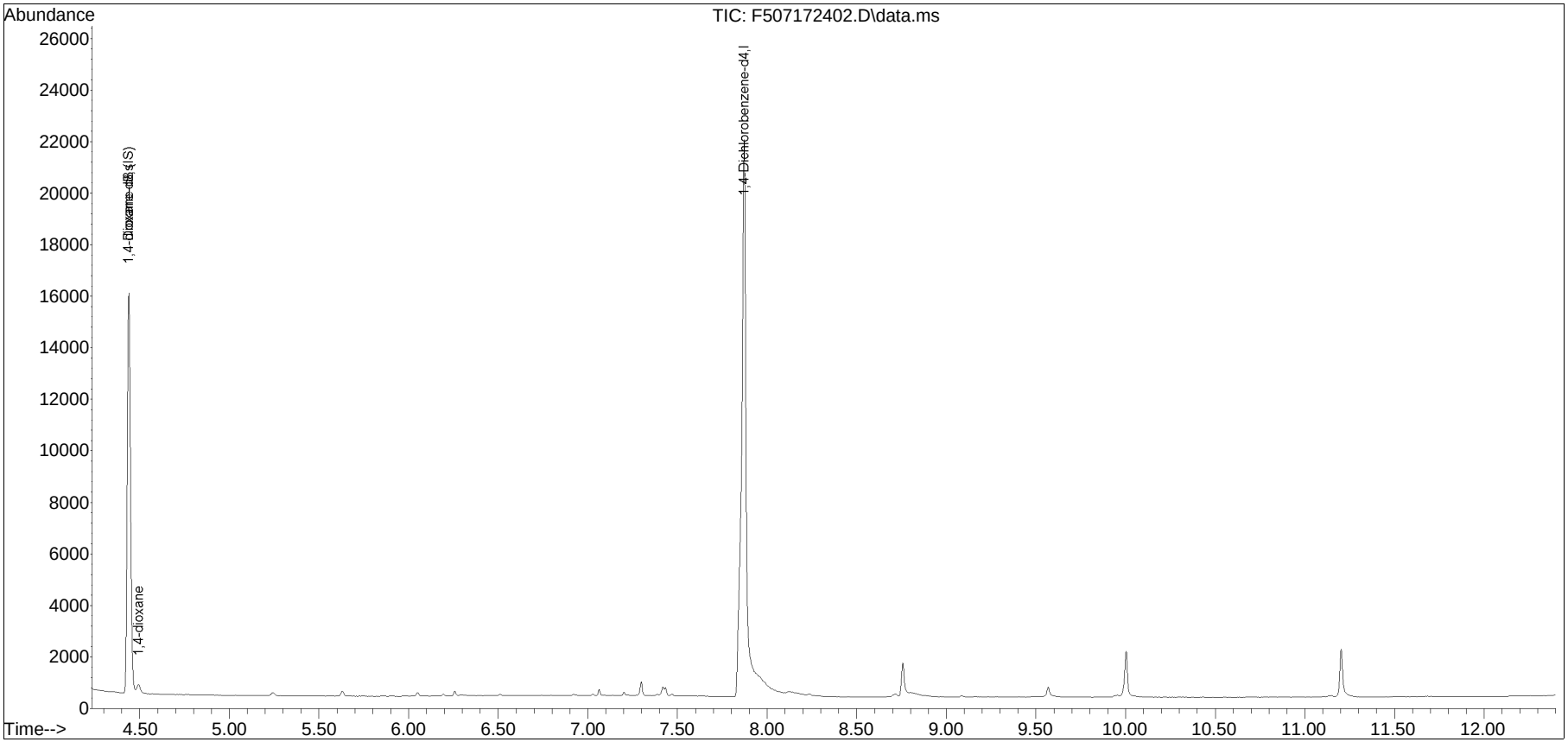
(#) = qualifier out of range (m) = manual integration (+) = signals summed

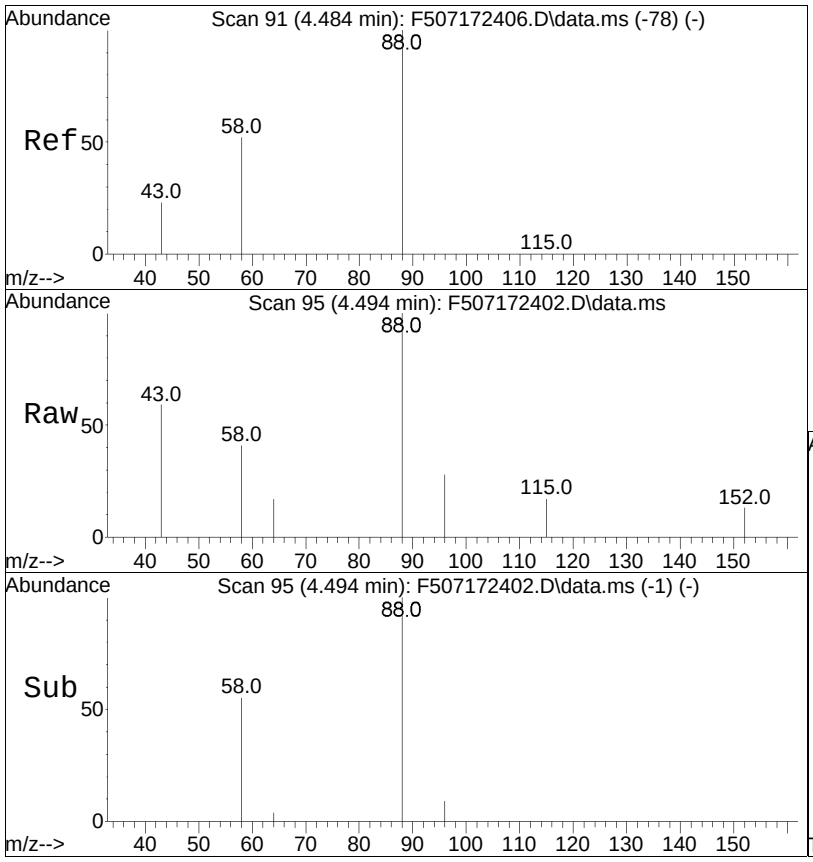
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172402.D
Acq On : 17 Jul 2024 3:53 pm
Operator : PAH5:CSP
Sample : I507172401
Misc : WG1948411,MSBT54
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 08:20:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

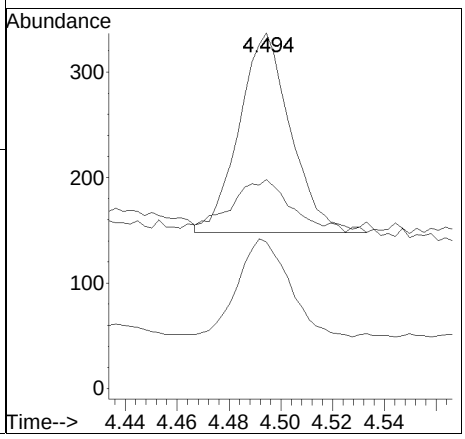




#2
1,4-dioxane
Concen: 10.63 ng/mL M4
RT: 4.494 min Scan# 95
Delta R.T. 0.011 min
Lab File: F507172402.D
Acq: 17 Jul 2024 3:53 pm

Tgt Ion: 88 Resp: 261

Ion	Ratio	Lower	Upper
88	100		
58	49.4	41.5	62.3
43	0.0	19.0	28.6#

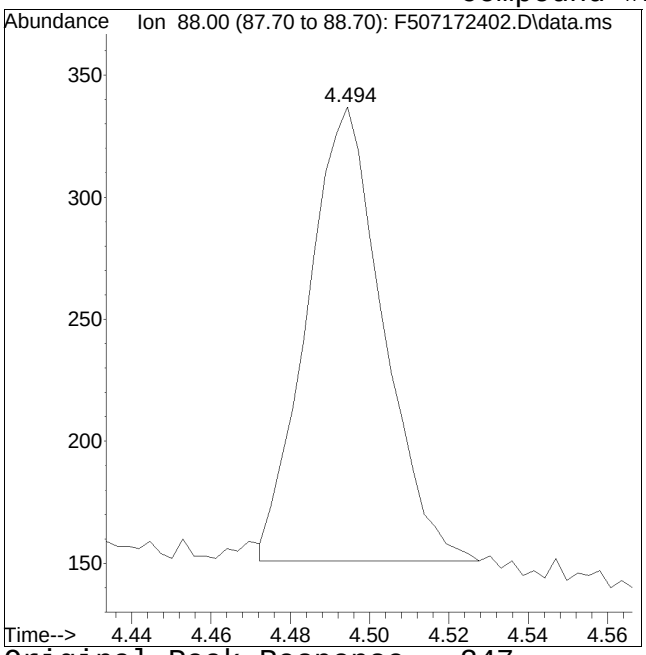


Manual Integration/Negative Proof Report

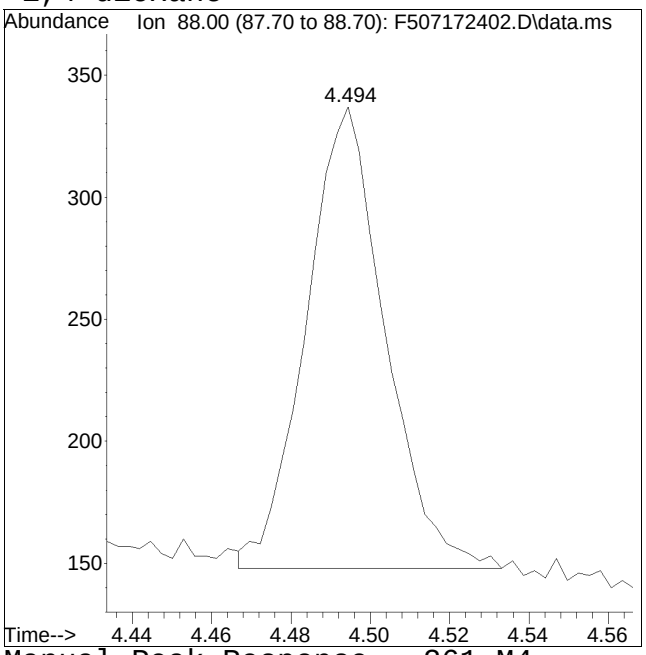
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172402.D
Date Inj'd : 7/17/2024 3:53 pm
Sample : I507172401

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #2: 1,4-dioxane



Original Peak Response = 247



Manual Peak Response = 261 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172403.D
Acq On : 17 Jul 2024 4:24 pm
Operator : PAH5:CSP
Sample : I507172402
Misc : WG1948411,MSBT55
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 08:20:35 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6960	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.879	152	26623	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6960	514.080	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 102.82%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.486	88	1221	48.843	ng/mL	99

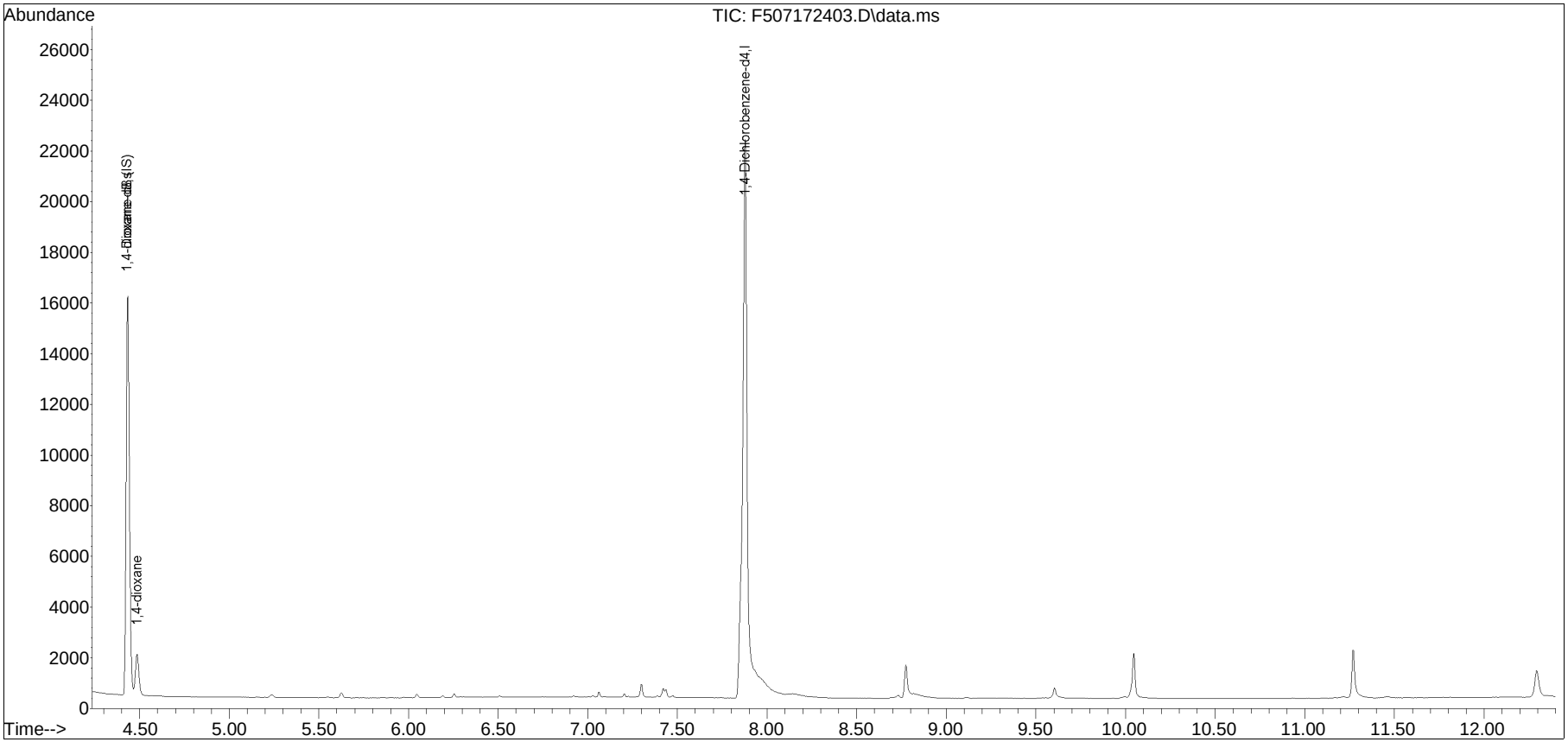
(#) = qualifier out of range (m) = manual integration (+) = signals summed

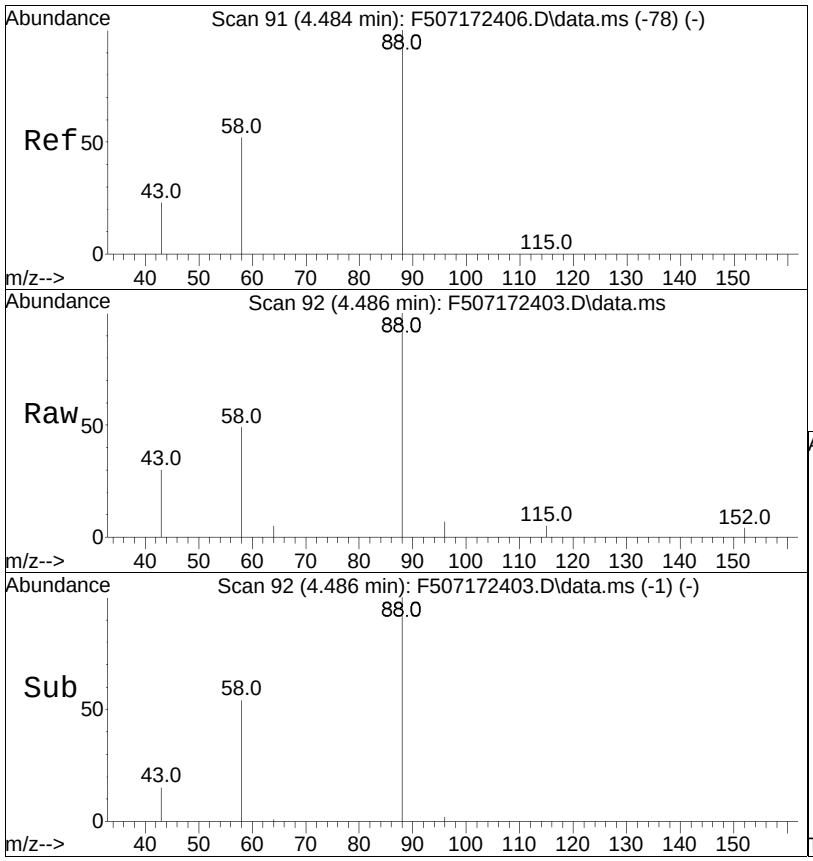
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172403.D
Acq On : 17 Jul 2024 4:24 pm
Operator : PAH5:CSP
Sample : I507172402
Misc : WG1948411,MSBT55
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 08:20:35 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

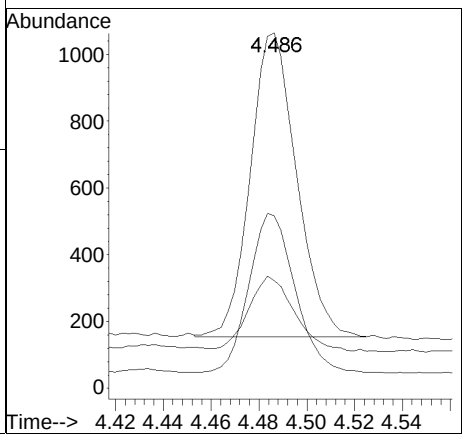




#2
1,4-dioxane
Concen: 48.84 ng/mL
RT: 4.486 min Scan# 92
Delta R.T. 0.003 min
Lab File: F507172403.D
Acq: 17 Jul 2024 4:24 pm

Tgt Ion: 88 Resp: 1221

Ion	Ratio	Lower	Upper
88	100		
58	52.3	41.5	62.3
43	24.3	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172403.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 4:24 pm	Instrument	: PAH 5
Sample	: I507172402	Quant Date	: 7/18/2024 8:20 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172404.D
Acq On : 17 Jul 2024 4:46 pm
Operator : PAH5:CSP
Sample : I507172403
Misc : WG1948411,MSBU56
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 08:20:38 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.436	64	6873	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.876	152	26805M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.436	64	6873	504.207	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.84%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.489	88	2453	99.367	ng/mL	99

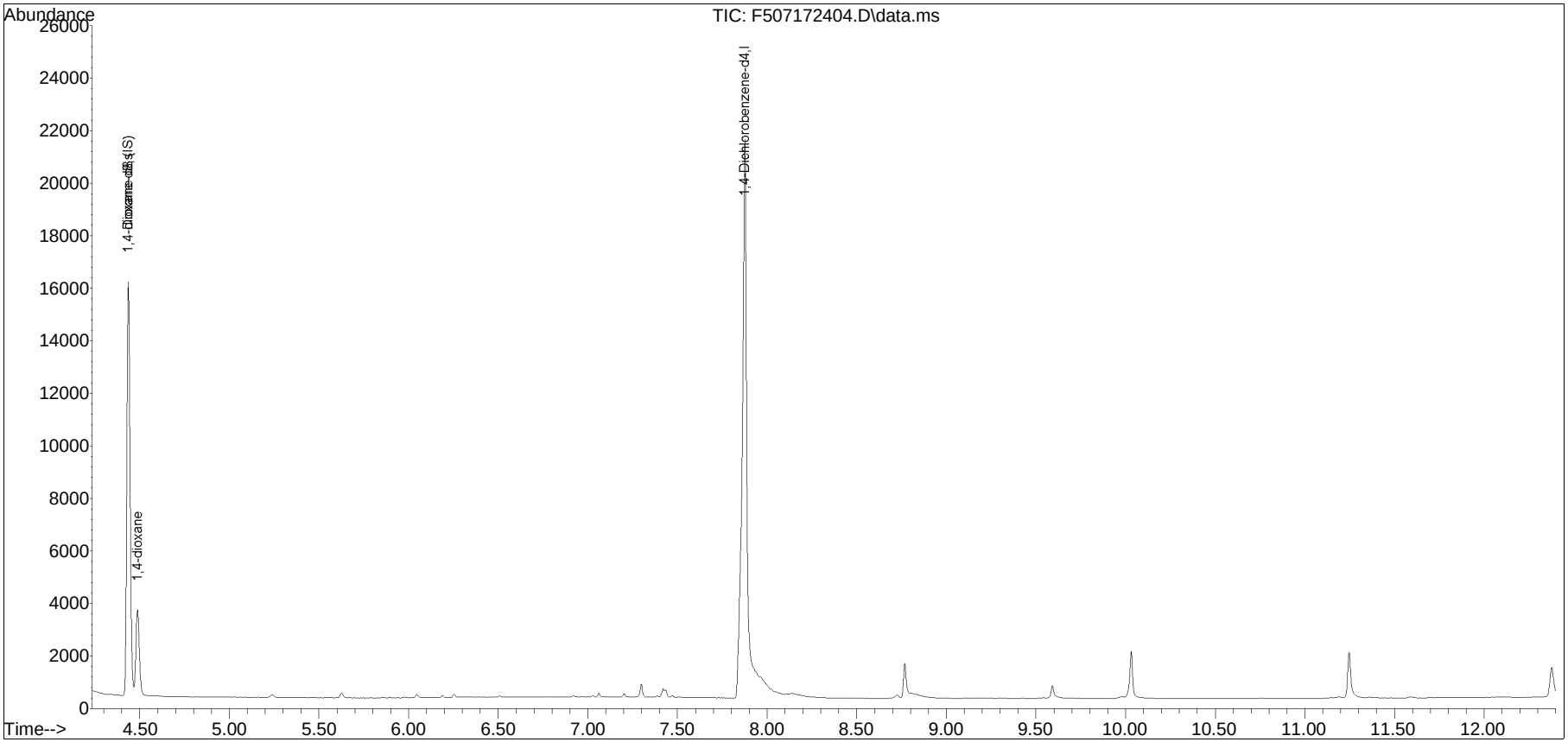
(#) = qualifier out of range (m) = manual integration (+) = signals summed

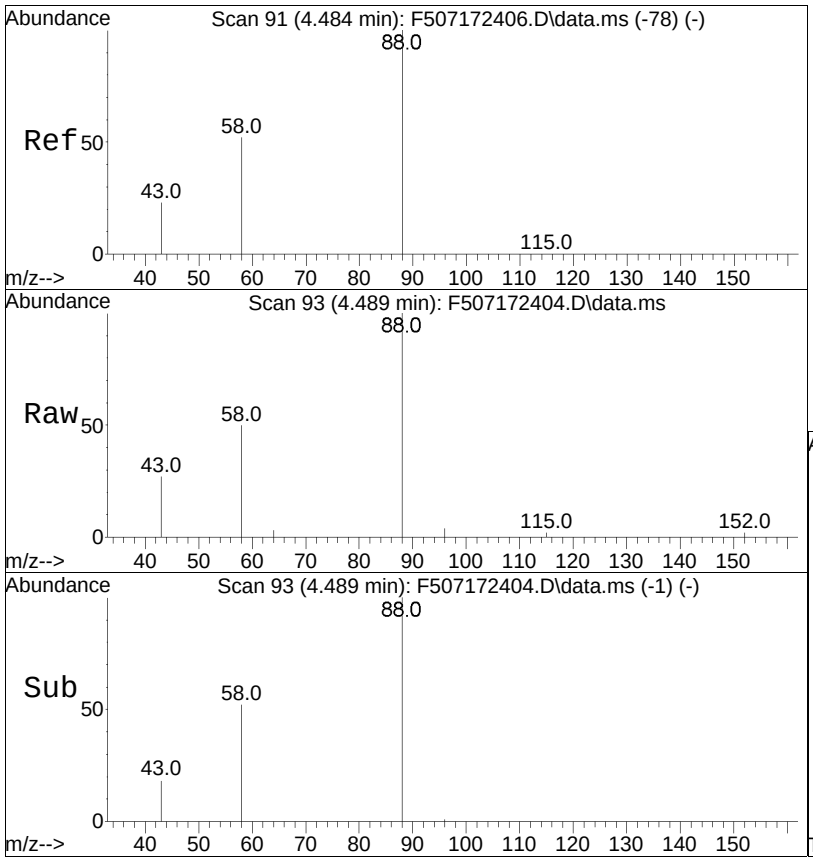
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172404.D
Acq On : 17 Jul 2024 4:46 pm
Operator : PAH5:CSP
Sample : I507172403
Misc : WG1948411,MSBU56
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 08:20:38 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

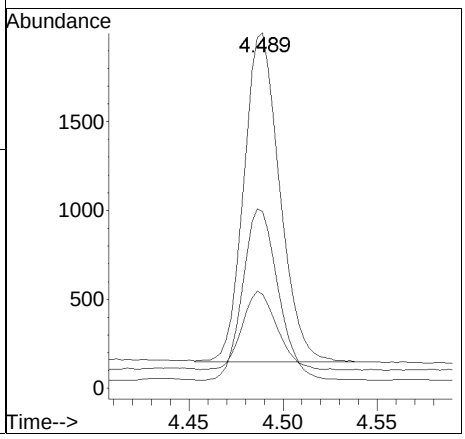




#2
1,4-dioxane
Concen: 99.37 ng/mL
RT: 4.489 min Scan# 93
Delta R.T. 0.005 min
Lab File: F507172404.D
Acq: 17 Jul 2024 4:46 pm

Tgt Ion: 88 Resp: 2453

Ion	Ratio	Lower	Upper
88	100		
58	51.7	41.5	62.3
43	23.2	19.0	28.6

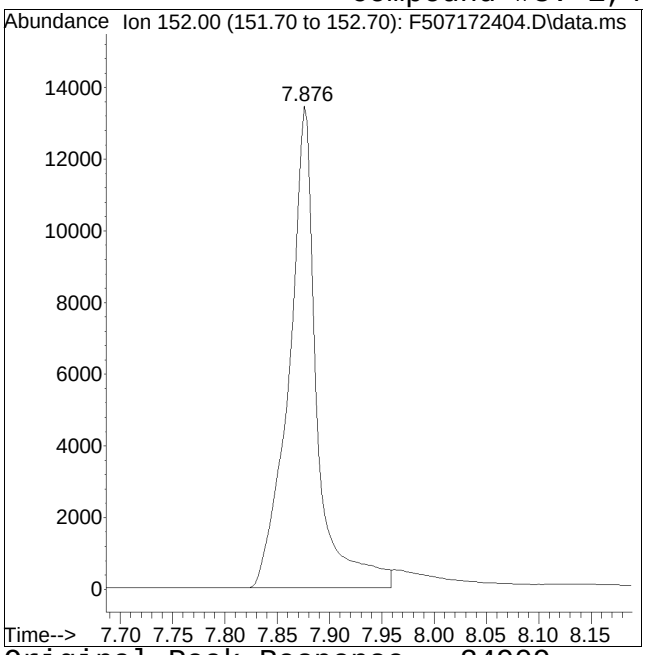


Manual Integration/Negative Proof Report

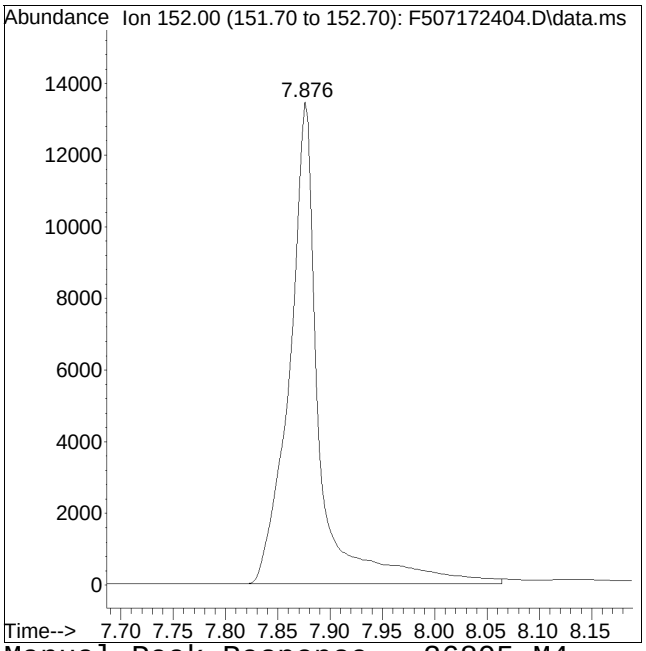
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172404.D
Date Inj'd : 7/17/2024 4:46 pm
Sample : I507172403

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 24909



Manual Peak Response = 26805 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172405.D
Acq On : 17 Jul 2024 5:07 pm
Operator : PAH5:CSP
Sample : I507172404
Misc : WG1948411,MSBU57
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 08:20:40 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6707	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.870	152	26326	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6707	500.982	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.20%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.484	88	11942	495.726	ng/mL	100

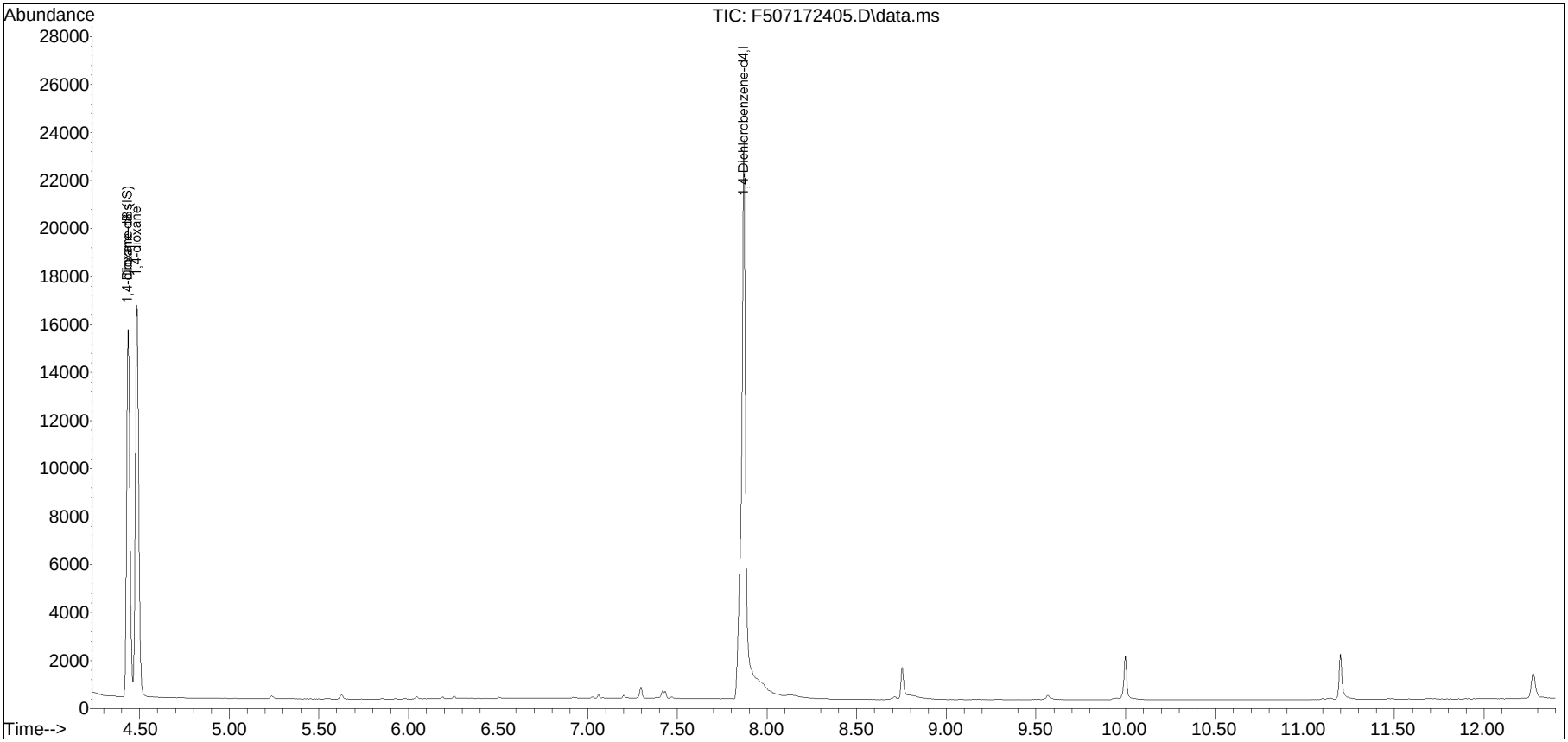
(#) = qualifier out of range (m) = manual integration (+) = signals summed

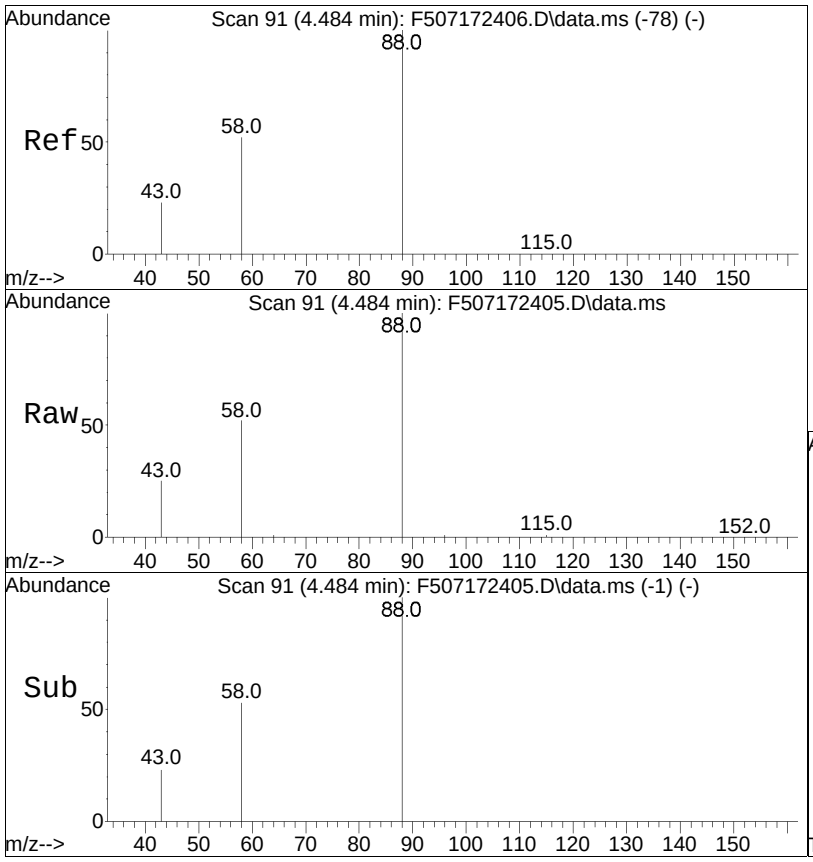
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172405.D
Acq On : 17 Jul 2024 5:07 pm
Operator : PAH5:CSP
Sample : I507172404
Misc : WG1948411,MSBU57
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 08:20:40 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

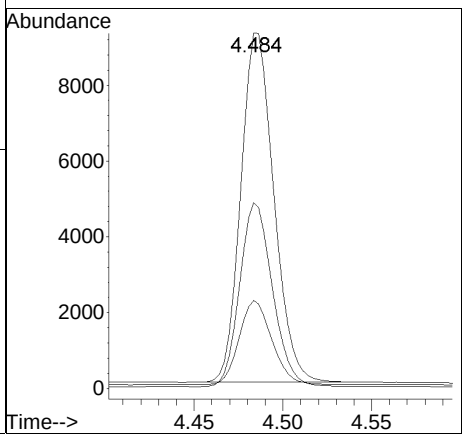




#2
1,4-dioxane
Concen: 495.73 ng/mL
RT: 4.484 min Scan# 91
Delta R.T. 0.000 min
Lab File: F507172405.D
Acq: 17 Jul 2024 5:07 pm

Tgt Ion: 88 Resp: 11942

Ion	Ratio	Lower	Upper
88	100		
58	52.1	41.5	62.3
43	23.6	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172405.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 5:07 pm	Instrument	: PAH 5
Sample	: I507172404	Quant Date	: 7/18/2024 8:20 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172406.D
Acq On : 17 Jul 2024 5:29 pm
Operator : PAH5:CSP
Sample : I507172405
Misc : WG1948411,MSBU37
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 08:20:43 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6647	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.868	152	26484	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6647	493.538	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.71%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.484	88	24437	1023.564	ng/mL	100

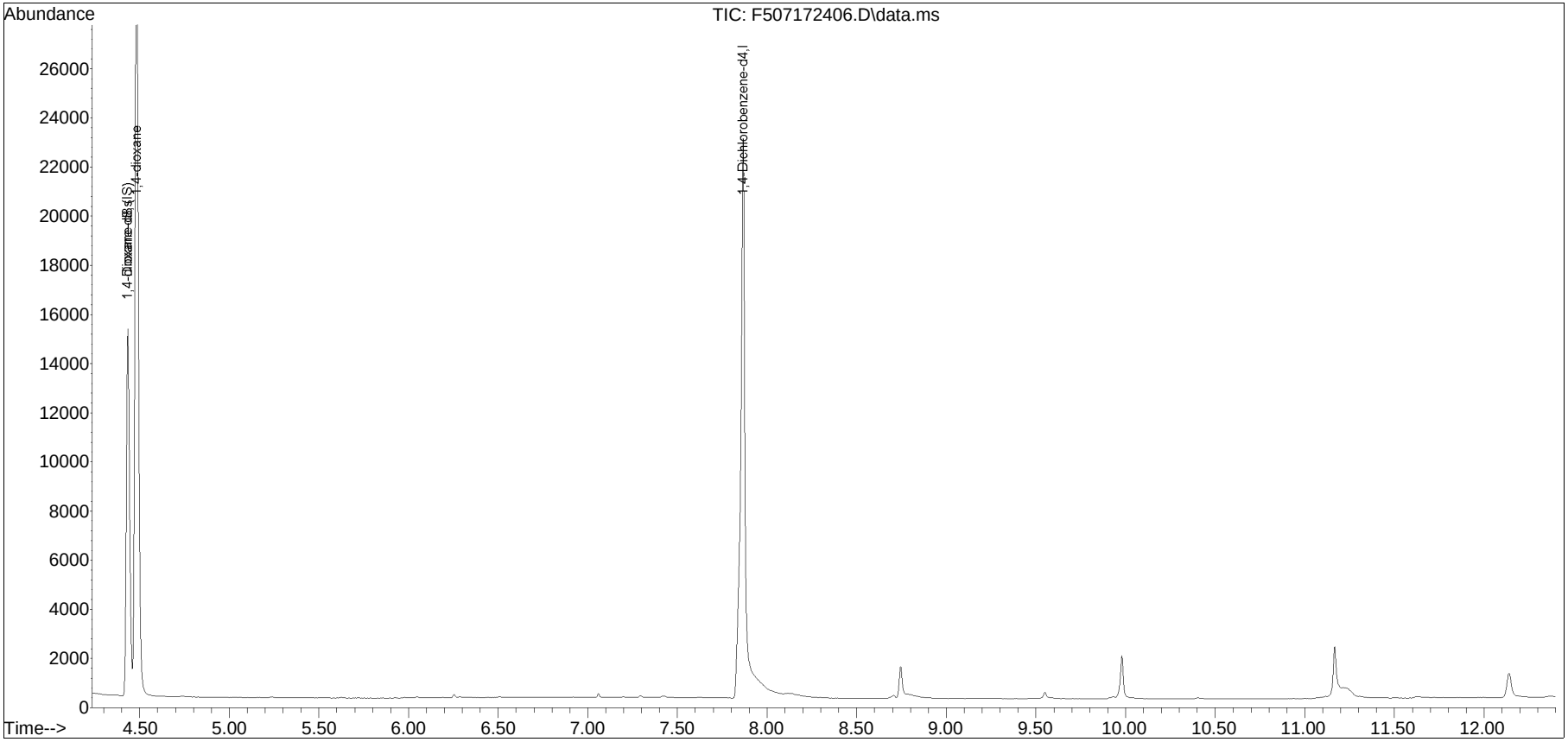
(#) = qualifier out of range (m) = manual integration (+) = signals summed

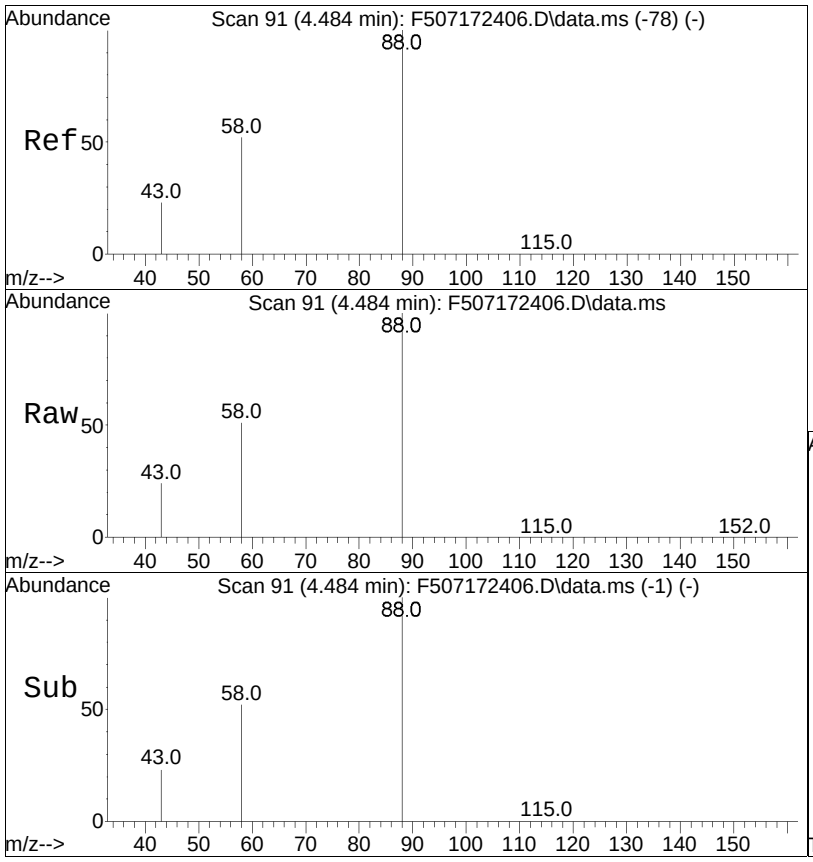
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172406.D
Acq On : 17 Jul 2024 5:29 pm
Operator : PAH5:CSP
Sample : I507172405
Misc : WG1948411,MSBU37
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 08:20:43 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

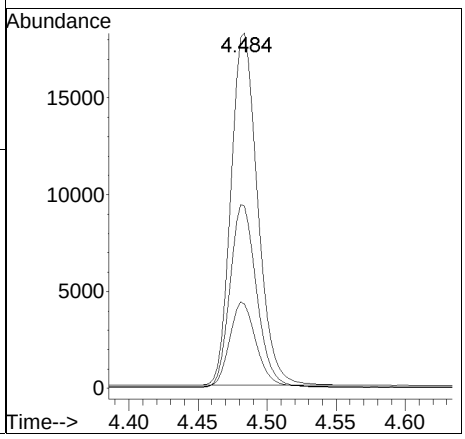




#2
1,4-dioxane
Concen: 1023.56 ng/mL
RT: 4.484 min Scan# 91
Delta R.T. 0.000 min
Lab File: F507172406.D
Acq: 17 Jul 2024 5:29 pm

Tgt Ion: 88 Resp: 24437

Ion	Ratio	Lower	Upper
88	100		
58	51.9	41.5	62.3
43	23.8	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172406.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 5:29 pm	Instrument	: PAH 5
Sample	: I507172405	Quant Date	: 7/18/2024 8:20 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172407.D
Acq On : 17 Jul 2024 5:50 pm
Operator : PAH5:CSP
Sample : I507172406
Misc : WG1948411,MSBT59
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 18 08:20:46 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6552	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.865	152	26260M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6552	490.634	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.13%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.481	88	114722	4874.900	ng/mL	100

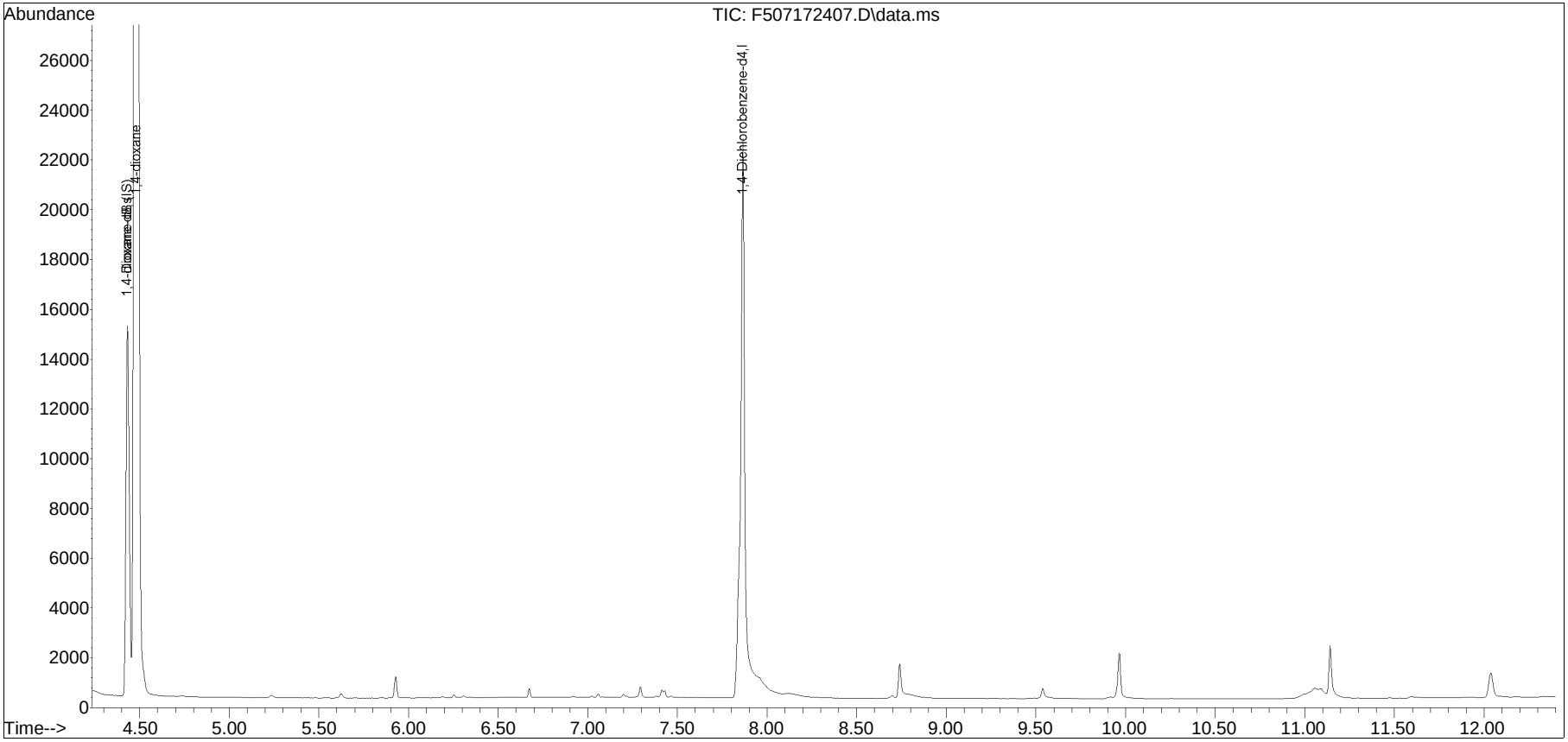
(#) = qualifier out of range (m) = manual integration (+) = signals summed

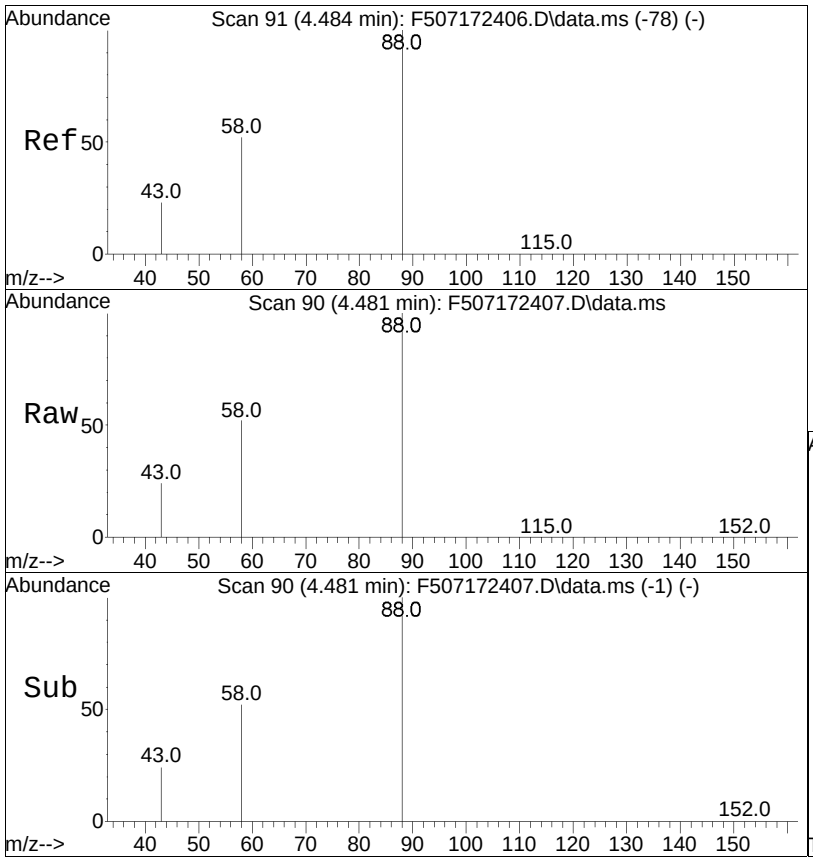
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172407.D
Acq On : 17 Jul 2024 5:50 pm
Operator : PAH5:CSP
Sample : I507172406
Misc : WG1948411,MSBT59
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 18 08:20:46 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

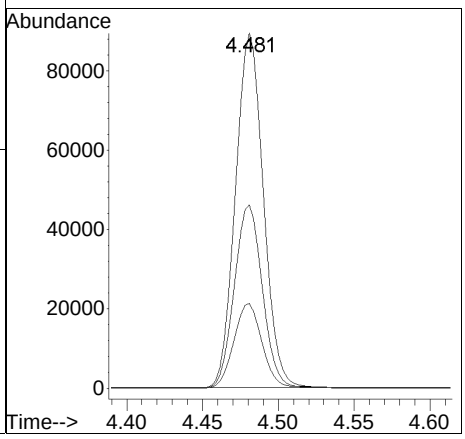




#2
1,4-dioxane
Concen: 4874.90 ng/mL
RT: 4.481 min Scan# 90
Delta R.T. -0.003 min
Lab File: F507172407.D
Acq: 17 Jul 2024 5:50 pm

Tgt Ion: 88 Resp: 114722

Ion	Ratio	Lower	Upper
88	100		
58	52.1	41.5	62.3
43	23.9	19.0	28.6

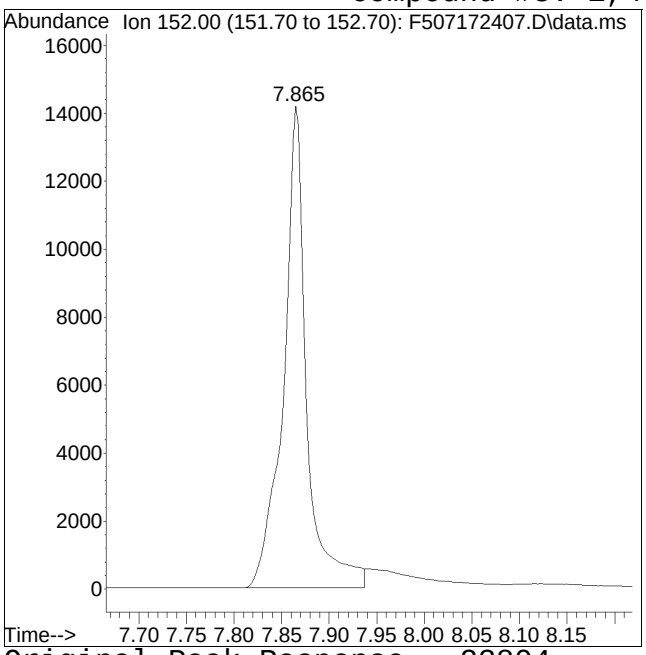


Manual Integration/Negative Proof Report

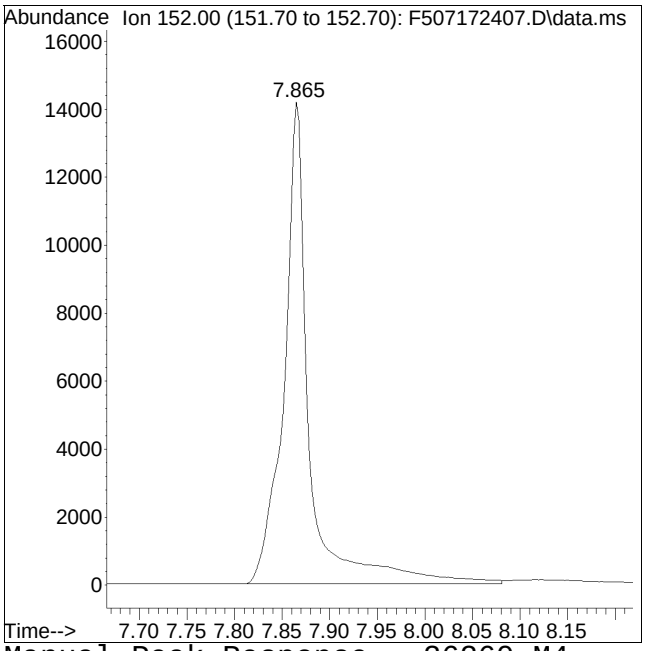
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172407.D
Date Inj'd : 7/17/2024 5:50 pm
Sample : I507172406

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 23804



Manual Peak Response = 26260 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172408.D
Acq On : 17 Jul 2024 6:11 pm
Operator : PAH5:CSP
Sample : I507172407
Misc : WG1948411,MSBT53
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 18 08:20:49 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6520	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.859	152	26218M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6520	489.020	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.486	88	228602	9761.697	ng/mL	99

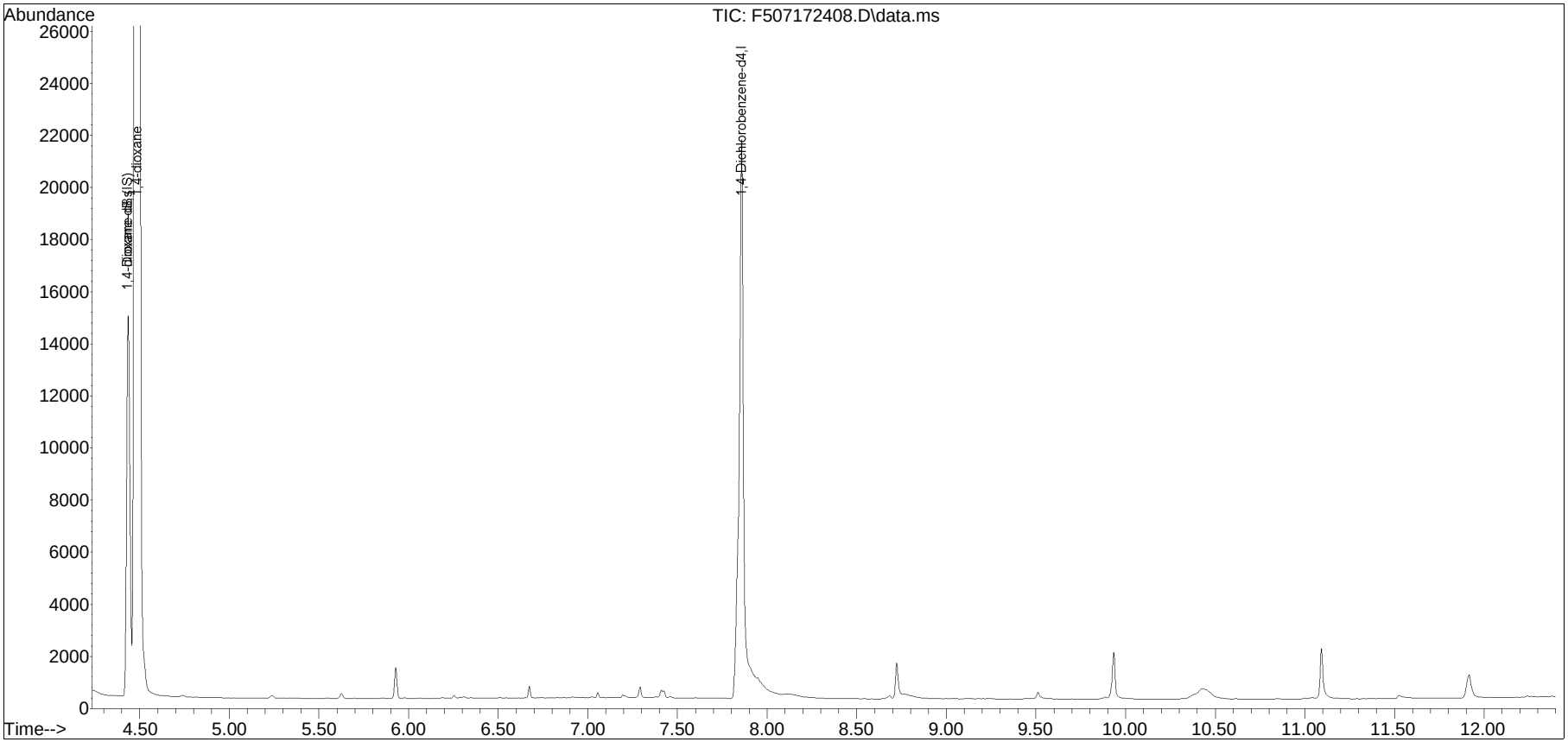
(#) = qualifier out of range (m) = manual integration (+) = signals summed

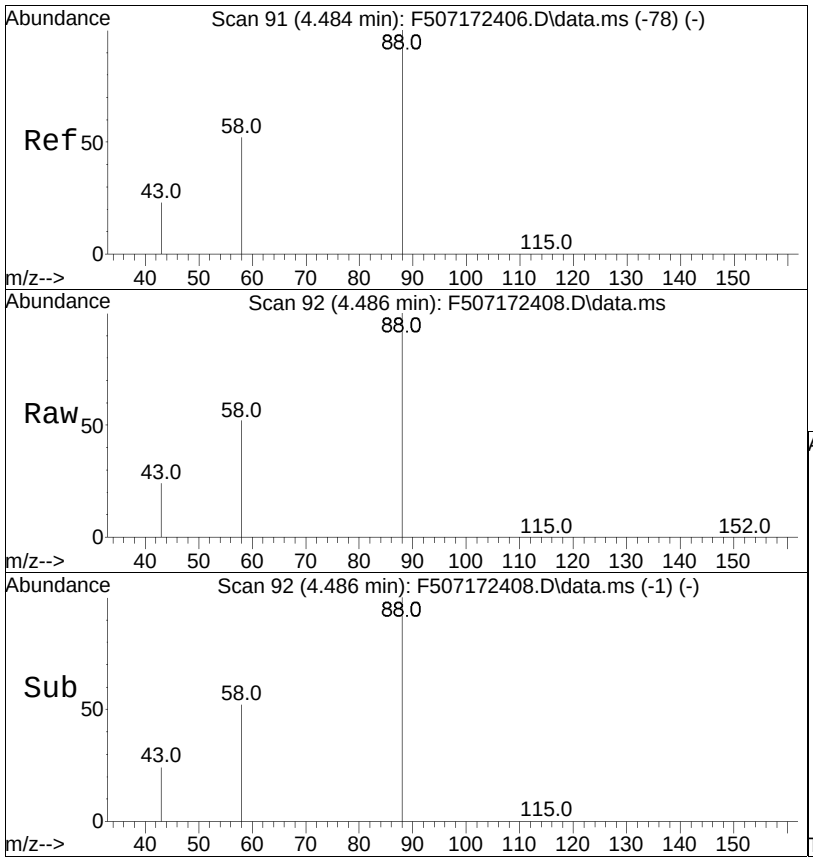
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172408.D
Acq On : 17 Jul 2024 6:11 pm
Operator : PAH5:CSP
Sample : I507172407
Misc : WG1948411,MSBT53
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 18 08:20:49 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

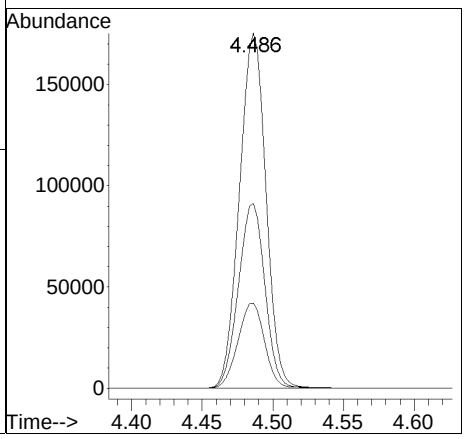




#2
1,4-dioxane
Concen: 9761.70 ng/mL
RT: 4.486 min Scan# 92
Delta R.T. 0.003 min
Lab File: F507172408.D
Acq: 17 Jul 2024 6:11 pm

Tgt Ion: 88 Resp: 228602

Ion	Ratio	Lower	Upper
88	100		
58	52.3	41.5	62.3
43	24.1	19.0	28.6

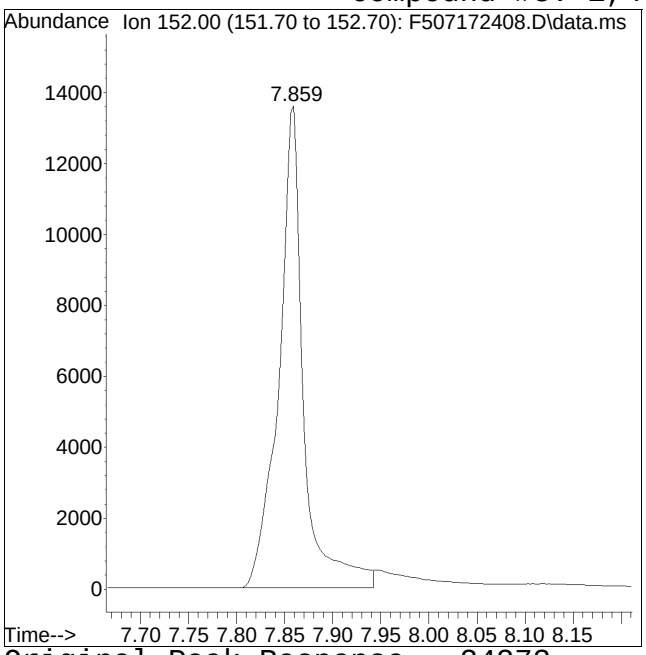


Manual Integration/Negative Proof Report

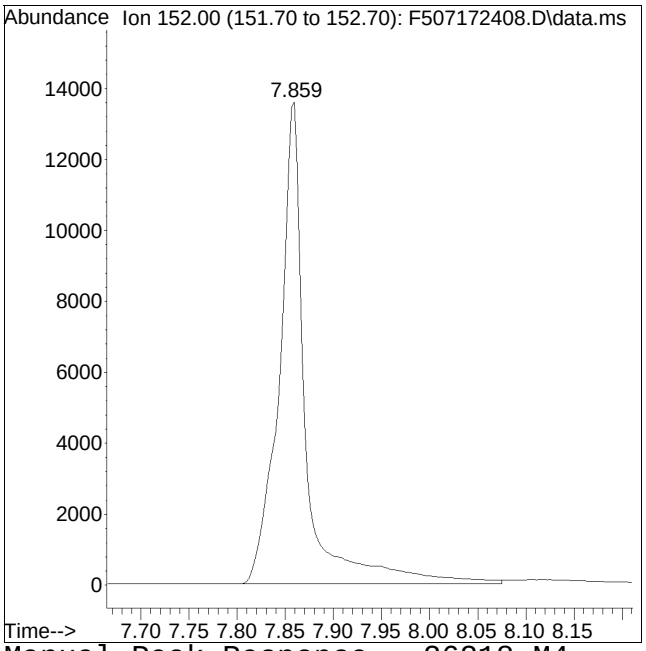
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172408.D
Date Inj'd : 7/17/2024 6:11 pm
Sample : I507172407

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 24273



Manual Peak Response = 26218 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	97	0.00
2	1,4-dioxane	1.796	1.657	7.7	88	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	-0.01
4 s	1,4-dioxane-d8	0.254	0.250	1.6	95	0.00

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6464	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.856	152	25890M4	500.000	ng/mL	-0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6464	490.962	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.19%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.478	88	21425	922.810	ng/mL	100

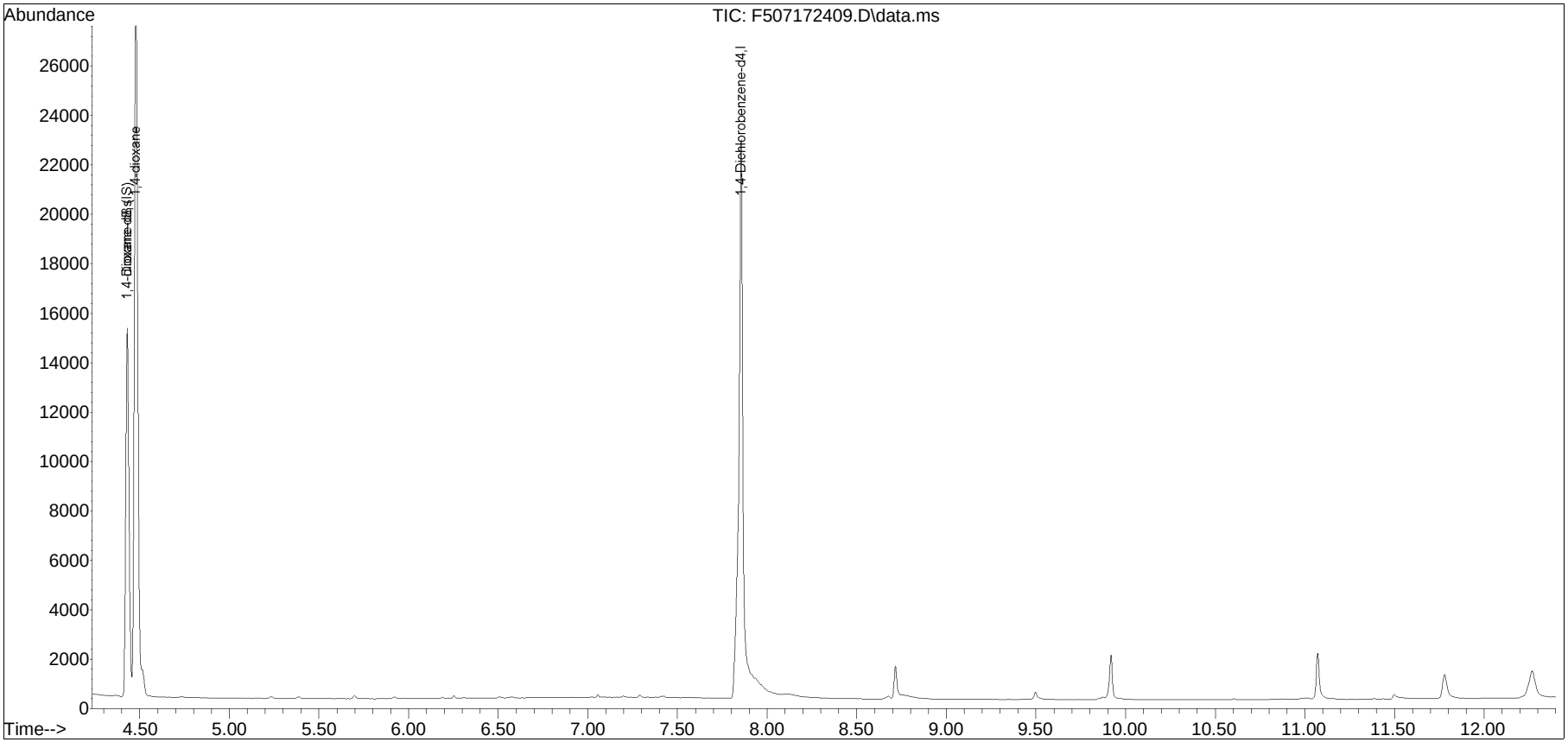
(#) = qualifier out of range (m) = manual integration (+) = signals summed

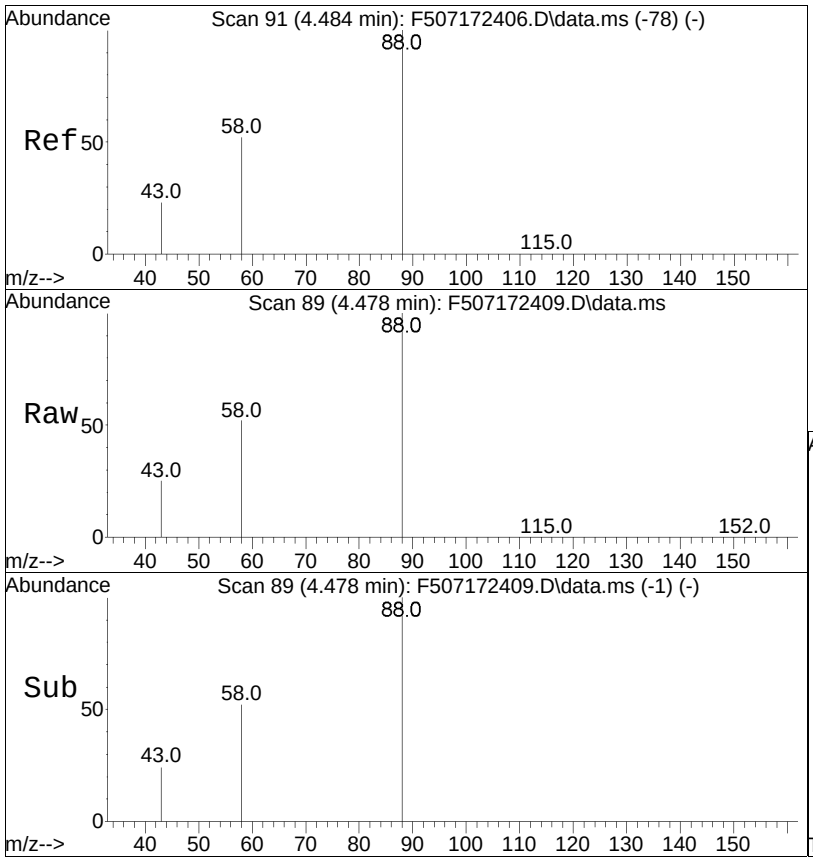
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

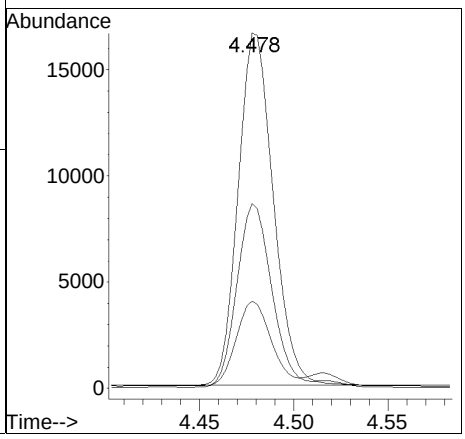




#2
1,4-dioxane
Concen: 922.81 ng/mL
RT: 4.478 min Scan# 89
Delta R.T. -0.006 min
Lab File: F507172409.D
Acq: 17 Jul 2024 6:33 pm

Tgt Ion: 88 Resp: 21425

Ion	Ratio	Lower	Upper
88	100		
58	52.2	41.5	62.3
43	24.2	19.0	28.6

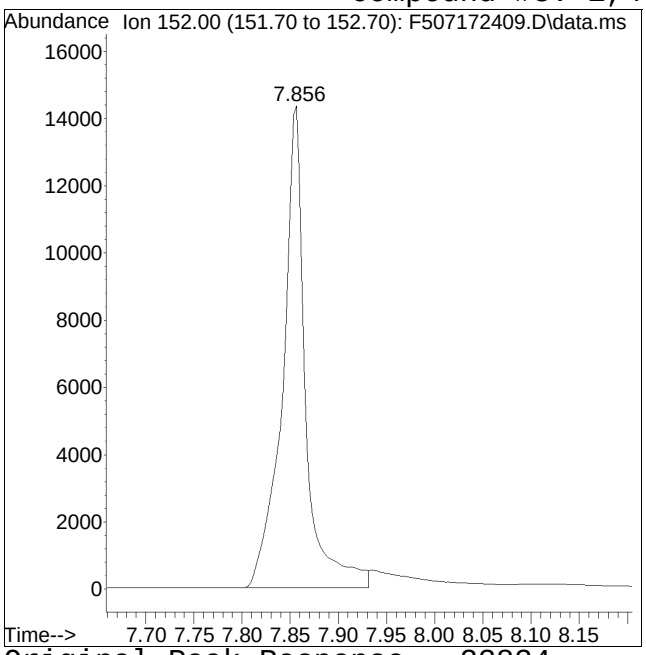


Manual Integration/Negative Proof Report

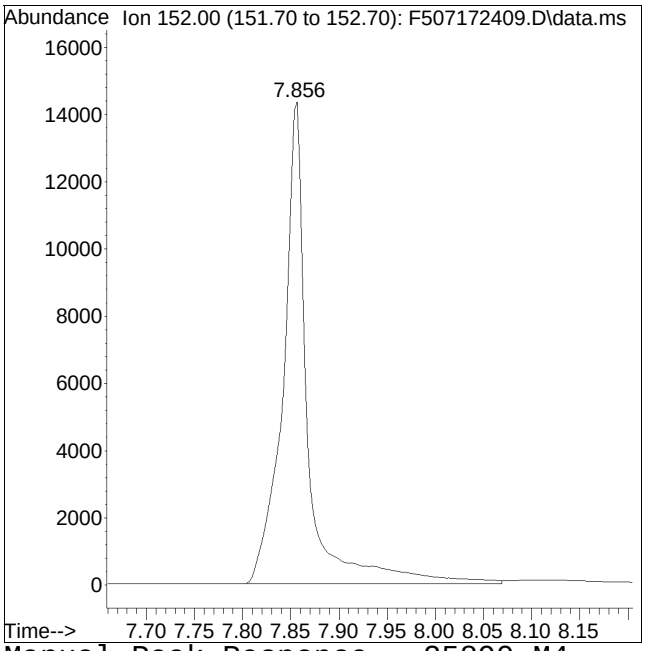
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172409.D
Date Inj'd : 7/17/2024 6:33 pm
Sample : CQ507172401

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 23834



Manual Peak Response = 25890 M4

M4 = Poor automated baseline construction.

Response Factor Report GCMS 6

Method Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Method File : 14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024
Response Via : Initial Calibration

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

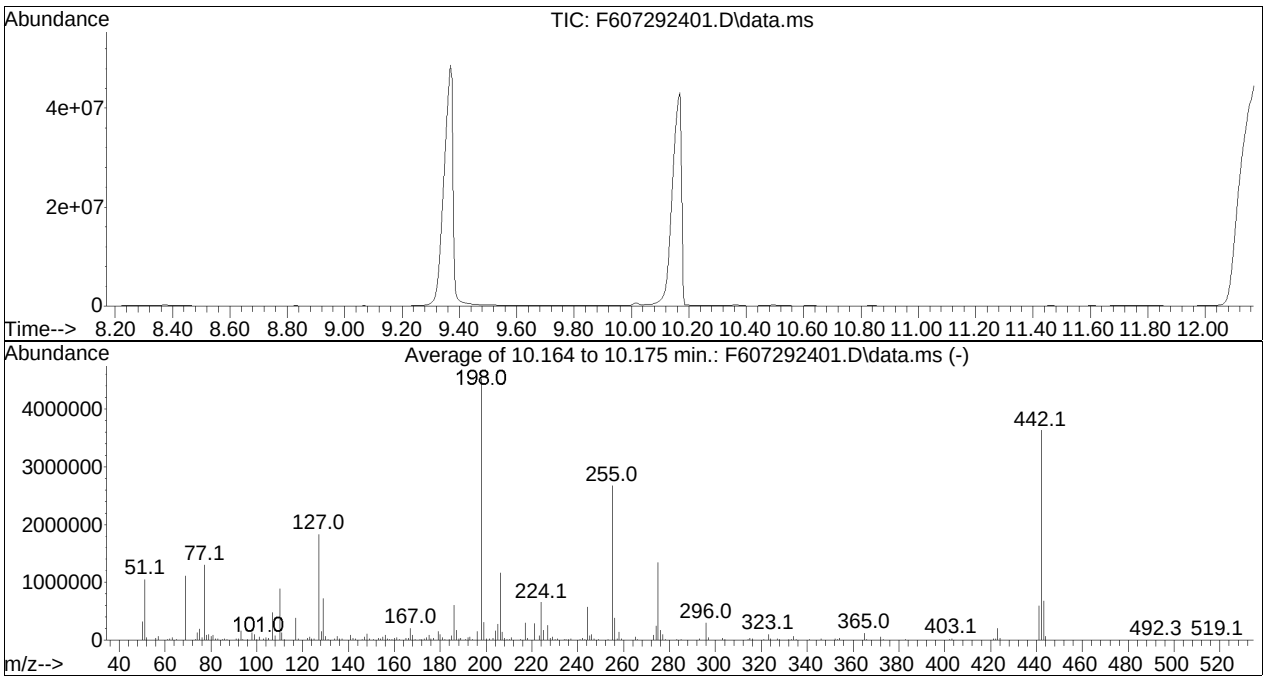
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

(#) = Out of Range

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292401.D
Acq On : 29 Jul 2024 8:40 am
Operator : GCMS6:CSP
Sample : T607292401
Misc : WG1952684,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024



Spectrum Information: Average of 10.164 to 10.175 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.2	1052280	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	5260	PASS
127	198	10	80	40.5	1834379	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	4526272	PASS
199	198	5	9	6.7	301864	PASS
275	198	10	60	29.8	1348584	PASS
365	198	1	100	2.7	122733	PASS
441	442	0.01	24	16.4	594690	PASS
442	198	50	100	80.2	3629008	PASS
443	442	15	24	18.8	681507	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	43735	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143395	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	43735	480.277	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 96.06%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.413	88	1511M2	11.064	ng/mL	

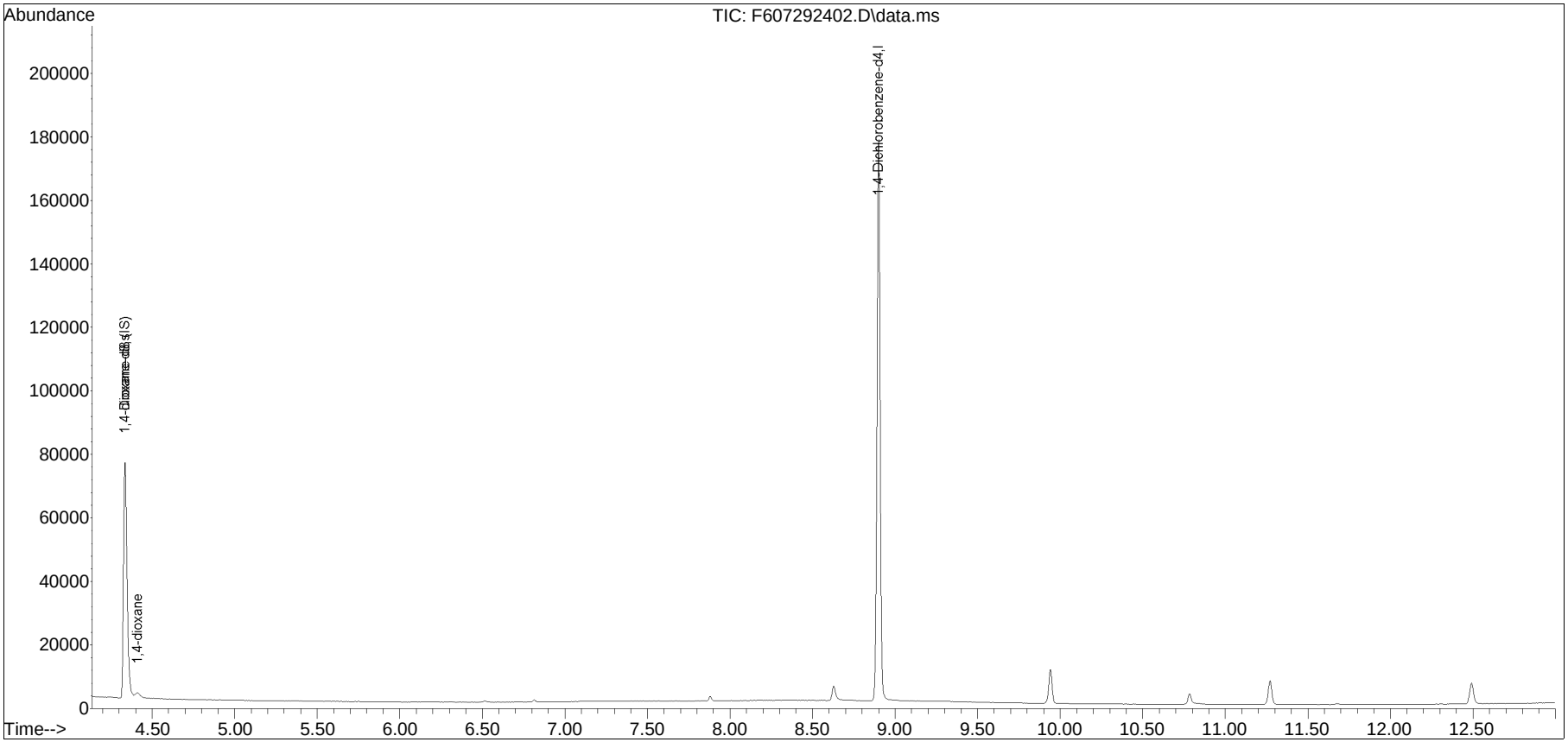
(#) = qualifier out of range (m) = manual integration (+) = signals summed

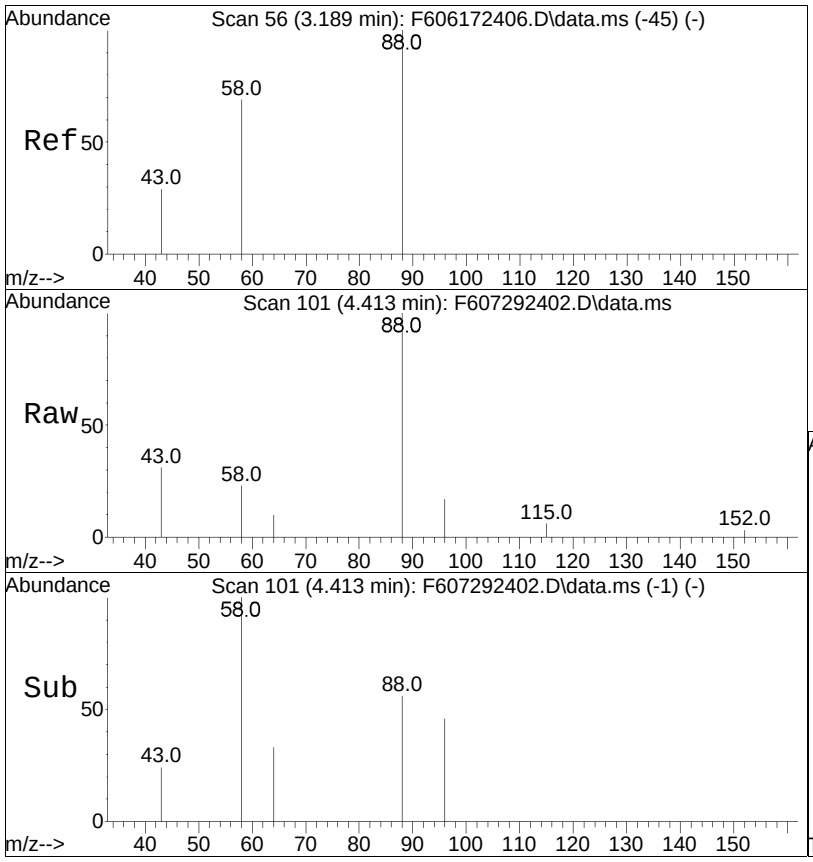
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

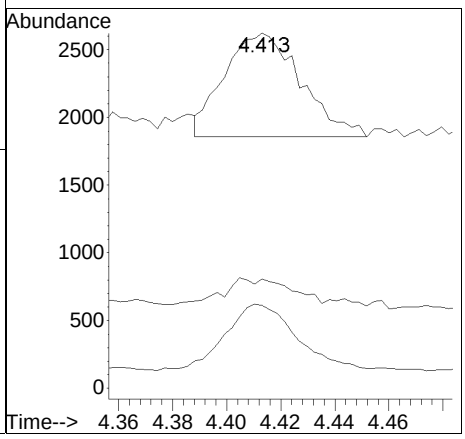




#2
1,4-dioxane
Concen: 11.06 ng/mL M2
RT: 4.413 min Scan# 101
Delta R.T. 0.016 min
Lab File: F607292402.D
Acq: 29 Jul 2024 9:17 am

Tgt Ion: 88 Resp: 1511

Ion	Ratio	Lower	Upper
88	100		
58	0.3	54.0	81.0#
43	3.8	21.4	32.2#

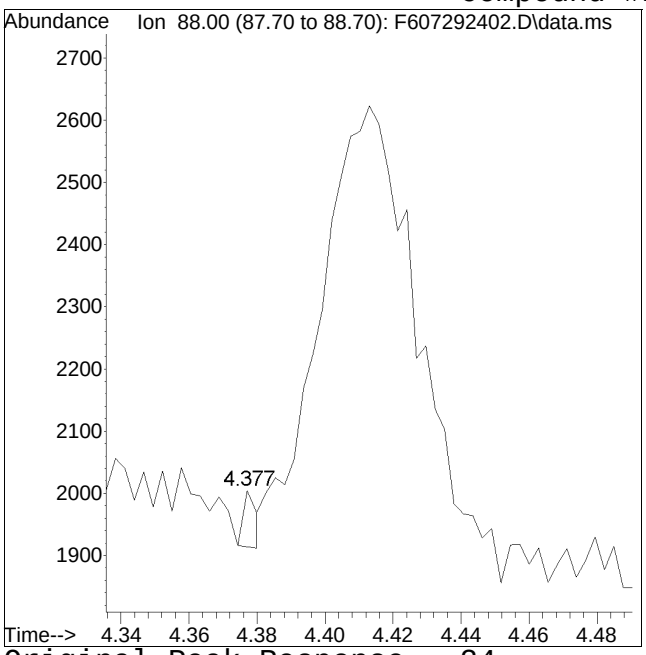


Manual Integration/Negative Proof Report

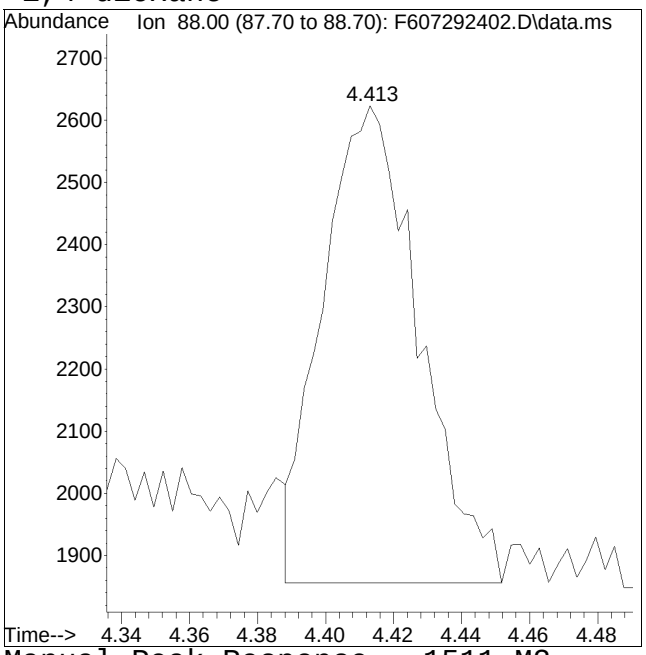
Data Path : O:\Organics\DATA\GCMS6\2024Q
Data File : F607292402.D
Date Inj'd : 7/29/2024 9:17 am
Sample : I607292401

Method : 14DIOX0729GCMS6.M
Operator : GCMS6:CSP
Instrument : GCMS 6
Quant Date : 7/29/2024 12:23 pm

Compound #2: 1,4-dioxane



Original Peak Response = 24



Manual Peak Response = 1511 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.333	64	44160	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	139546	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.333	64	44160	498.320	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.405	88	6534	47.383	ng/mL	99

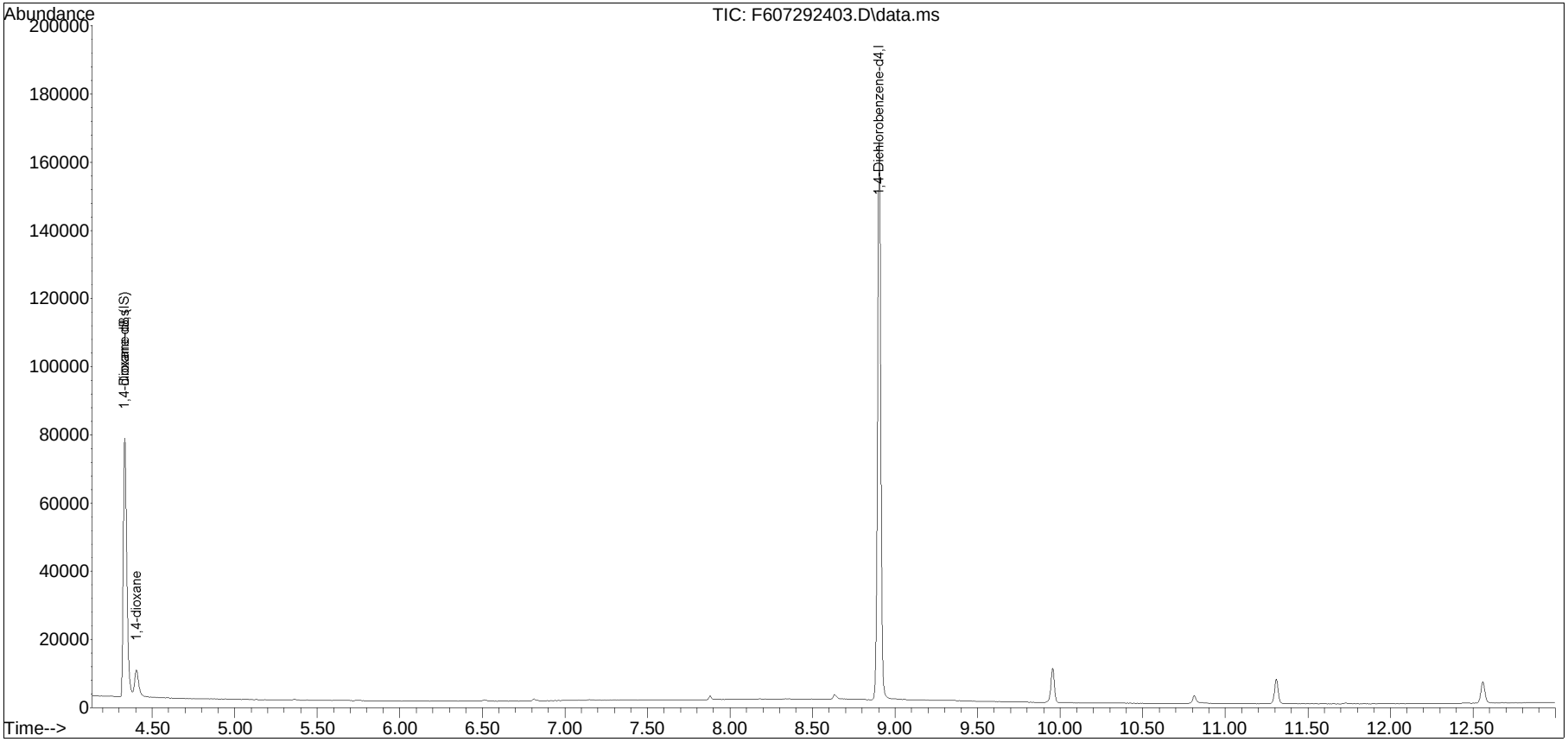
(#) = qualifier out of range (m) = manual integration (+) = signals summed

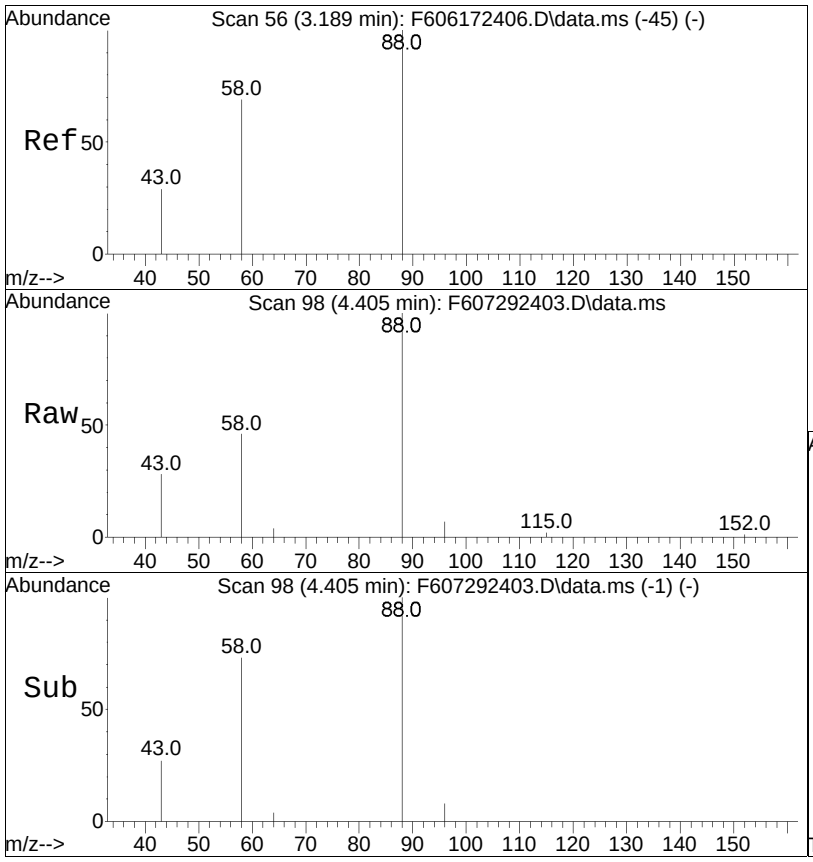
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

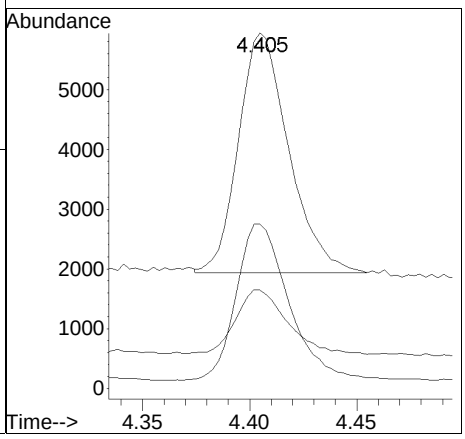




#2
1,4-dioxane
Concen: 47.38 ng/mL
RT: 4.405 min Scan# 98
Delta R.T. 0.008 min
Lab File: F607292403.D
Acq: 29 Jul 2024 9:40 am

Tgt Ion: 88 Resp: 6534

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	27.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292403.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 9:40 am	Instrument	: GCMS 6
Sample	: I607292402	Quant Date	: 7/29/2024 12:23 pm

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

F607292403.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:24 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.338	64	45799	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143493	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.338	64	45799	502.599	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.408	88	13765	96.247	ng/mL	99

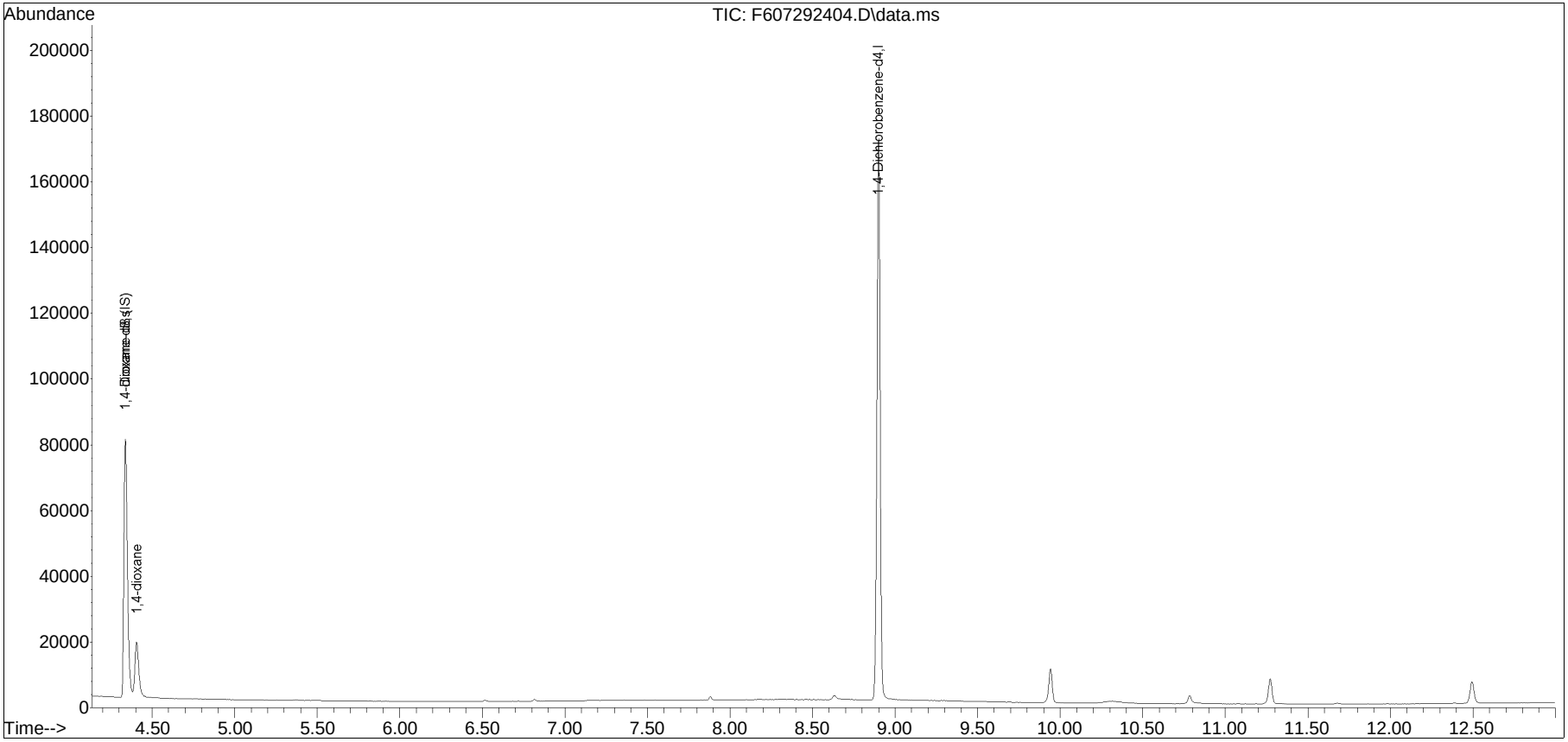
(#) = qualifier out of range (m) = manual integration (+) = signals summed

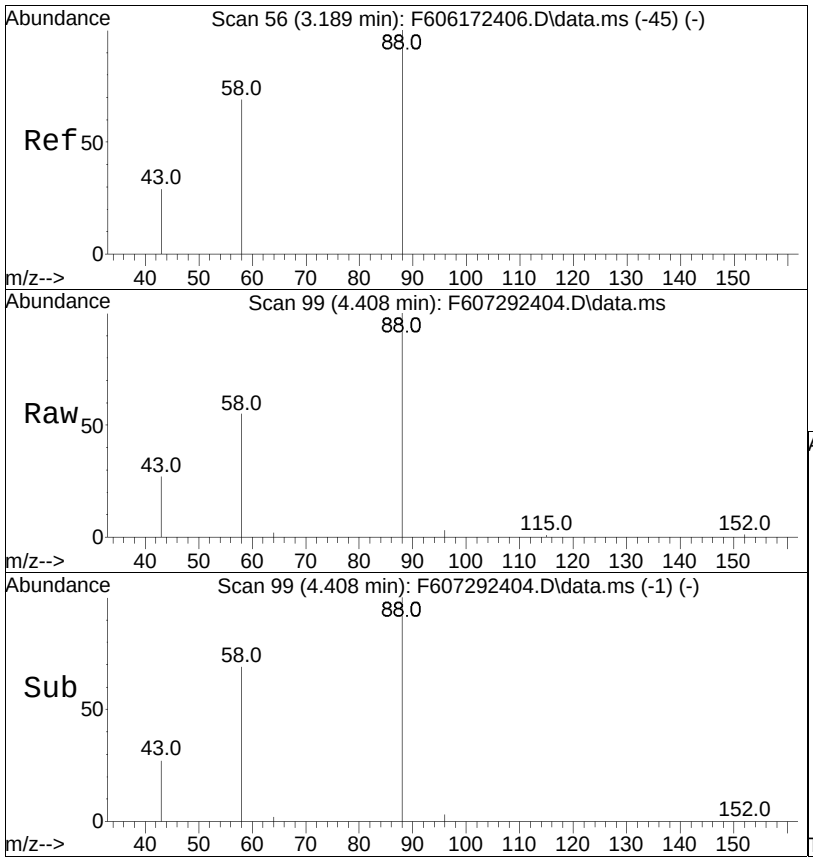
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

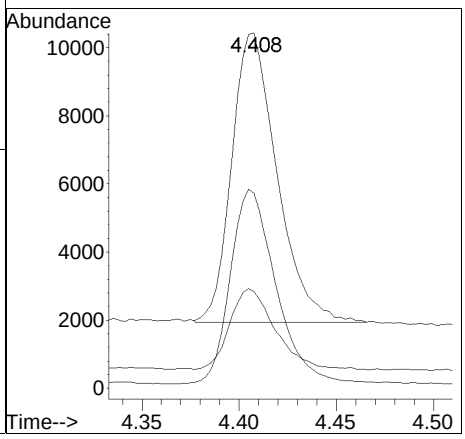




#2
1,4-dioxane
Concen: 96.25 ng/mL
RT: 4.408 min Scan# 99
Delta R.T. 0.011 min
Lab File: F607292404.D
Acq: 29 Jul 2024 10:01 am

Tgt Ion: 88 Resp: 13765

Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.0	81.0
43	28.1	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292404.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:01 am	Instrument	: GCMS 6
Sample	: I607292403	Quant Date	: 7/29/2024 12:23 pm

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

F607292404.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:26 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45541	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.898	152	141159	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45541	508.031	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.61%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	69306	487.346	ng/mL	99

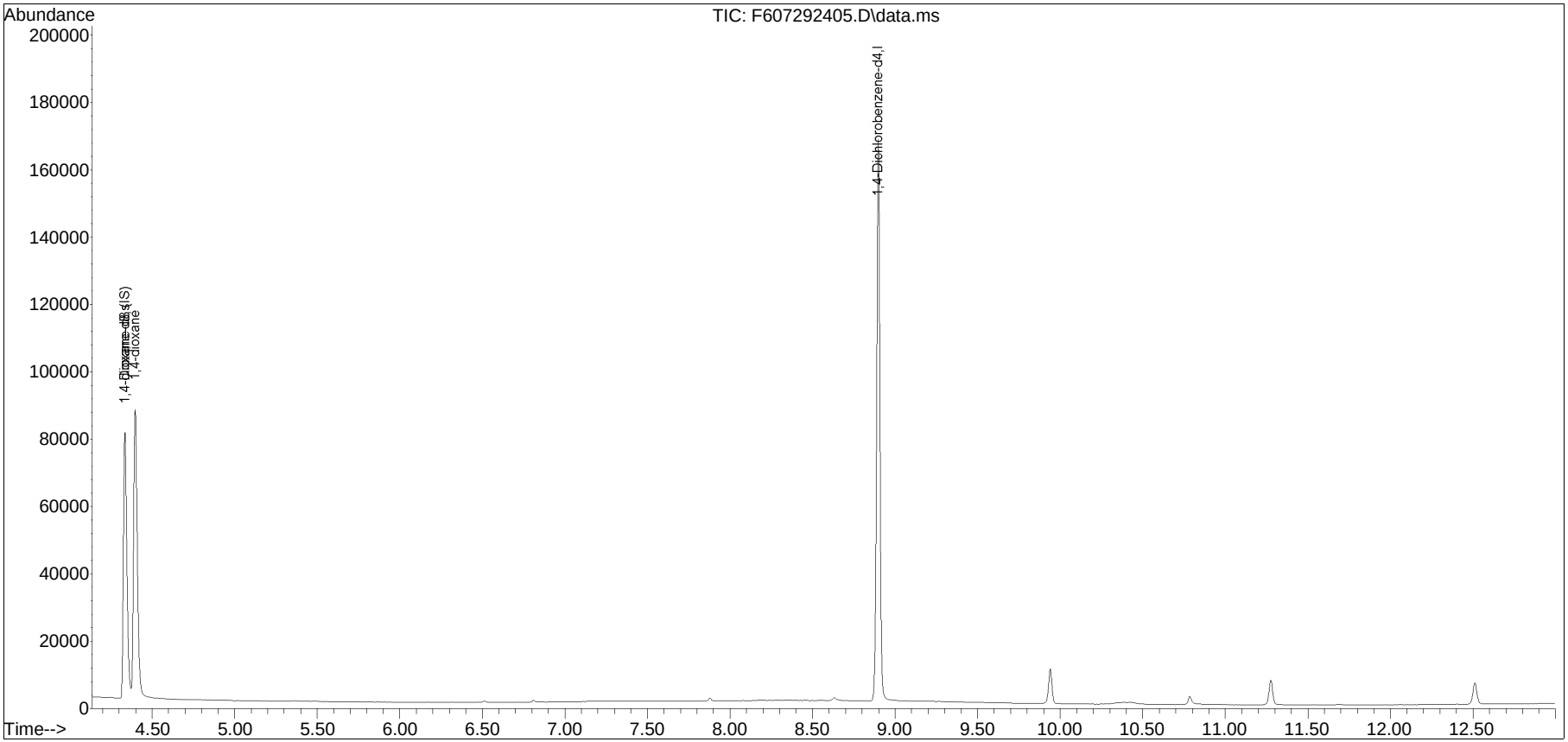
(#) = qualifier out of range (m) = manual integration (+) = signals summed

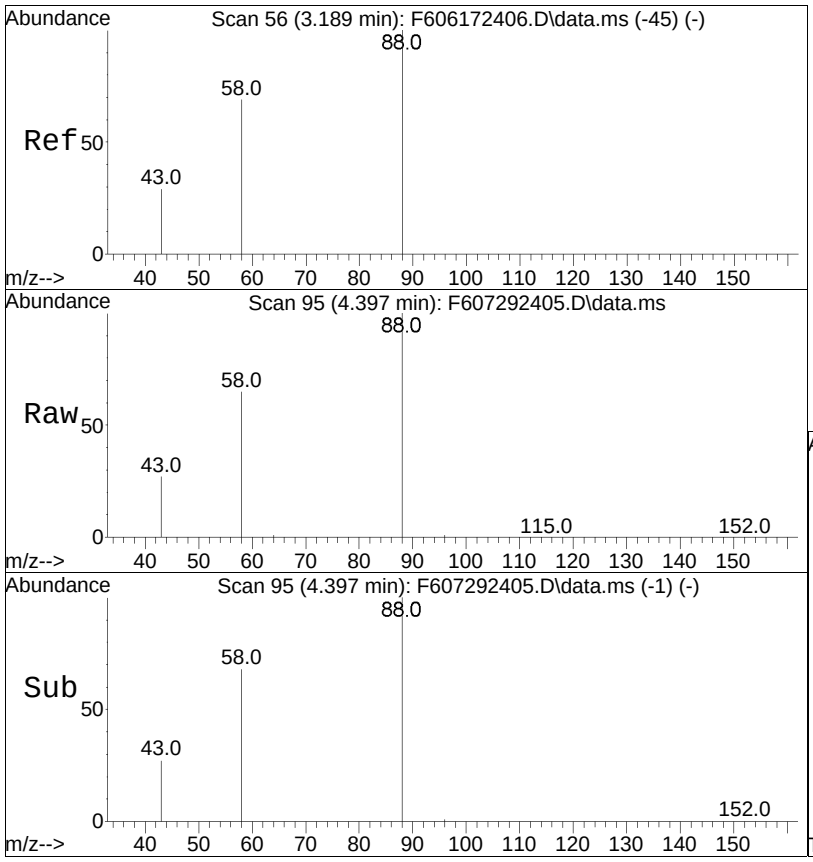
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

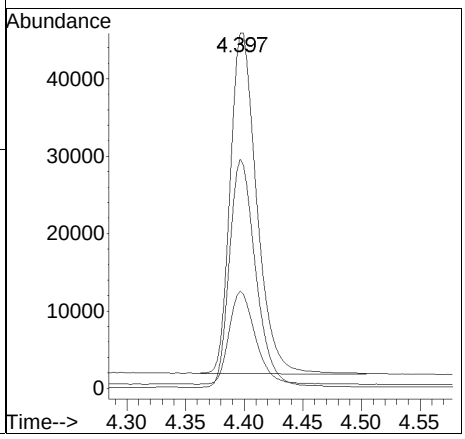




#2
1,4-dioxane
Concen: 487.35 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. -0.000 min
Lab File: F607292405.D
Acq: 29 Jul 2024 10:23 am

Tgt Ion: 88 Resp: 69306

Ion	Ratio	Lower	Upper
88	100		
58	66.5	54.0	81.0
43	26.9	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292405.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:23 am	Instrument	: GCMS 6
Sample	: I607292404	Quant Date	: 7/29/2024 12:23 pm

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

F607292405.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:28 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45692	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143704	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45692	500.689	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.14%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	140492	984.646	ng/mL	100

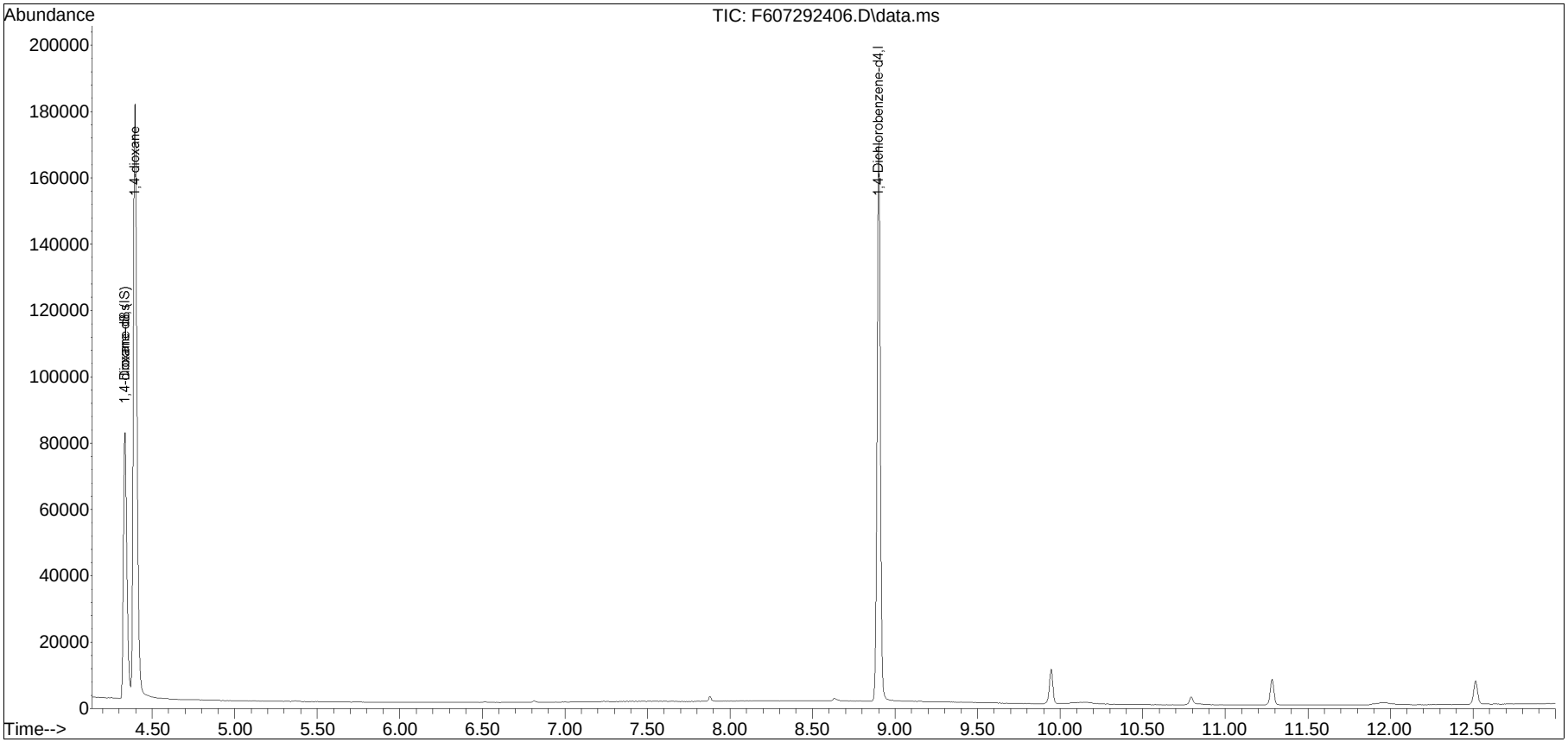
(#) = qualifier out of range (m) = manual integration (+) = signals summed

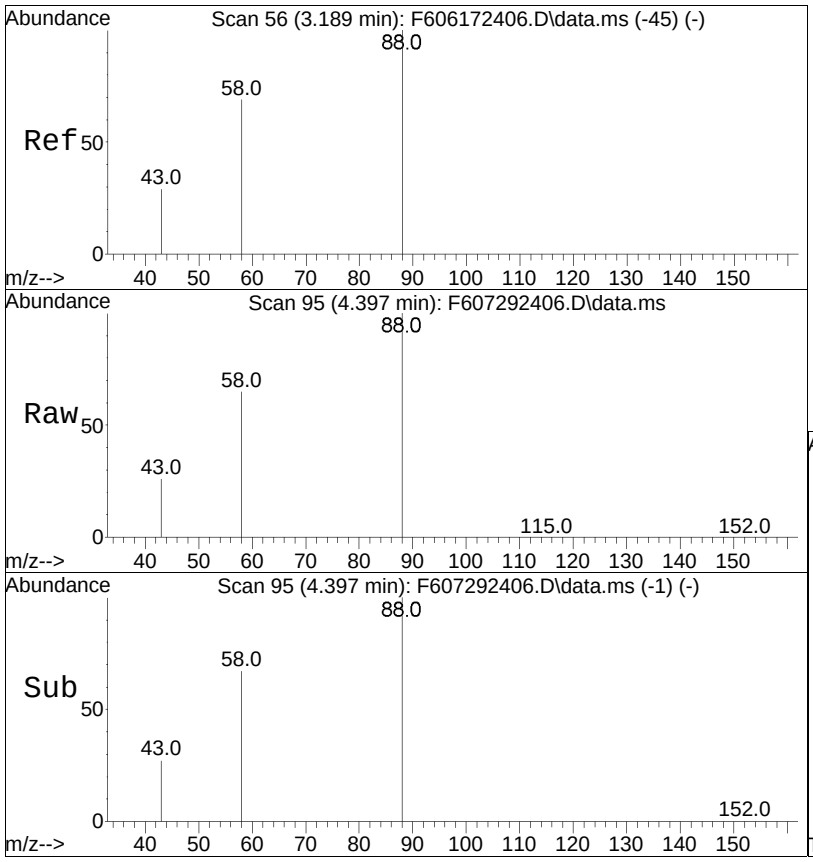
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

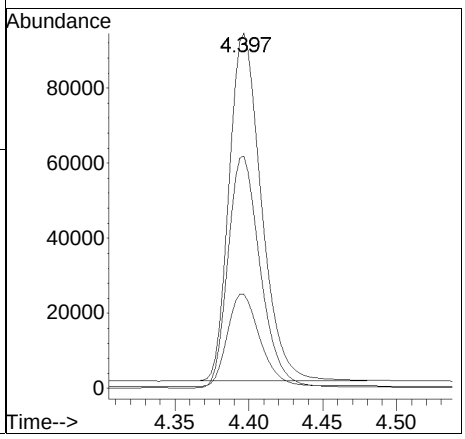




#2
1,4-dioxane
Concen: 984.65 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. 0.000 min
Lab File: F607292406.D
Acq: 29 Jul 2024 10:45 am

Tgt Ion: 88 Resp: 140492

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.8	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292406.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:45 am	Instrument	: GCMS 6
Sample	: I607292405	Quant Date	: 7/29/2024 12:23 pm

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

F607292406.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:30 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44310	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	137046	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44310	509.134	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.83%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.385	88	694776	5021.250	ng/mL	99

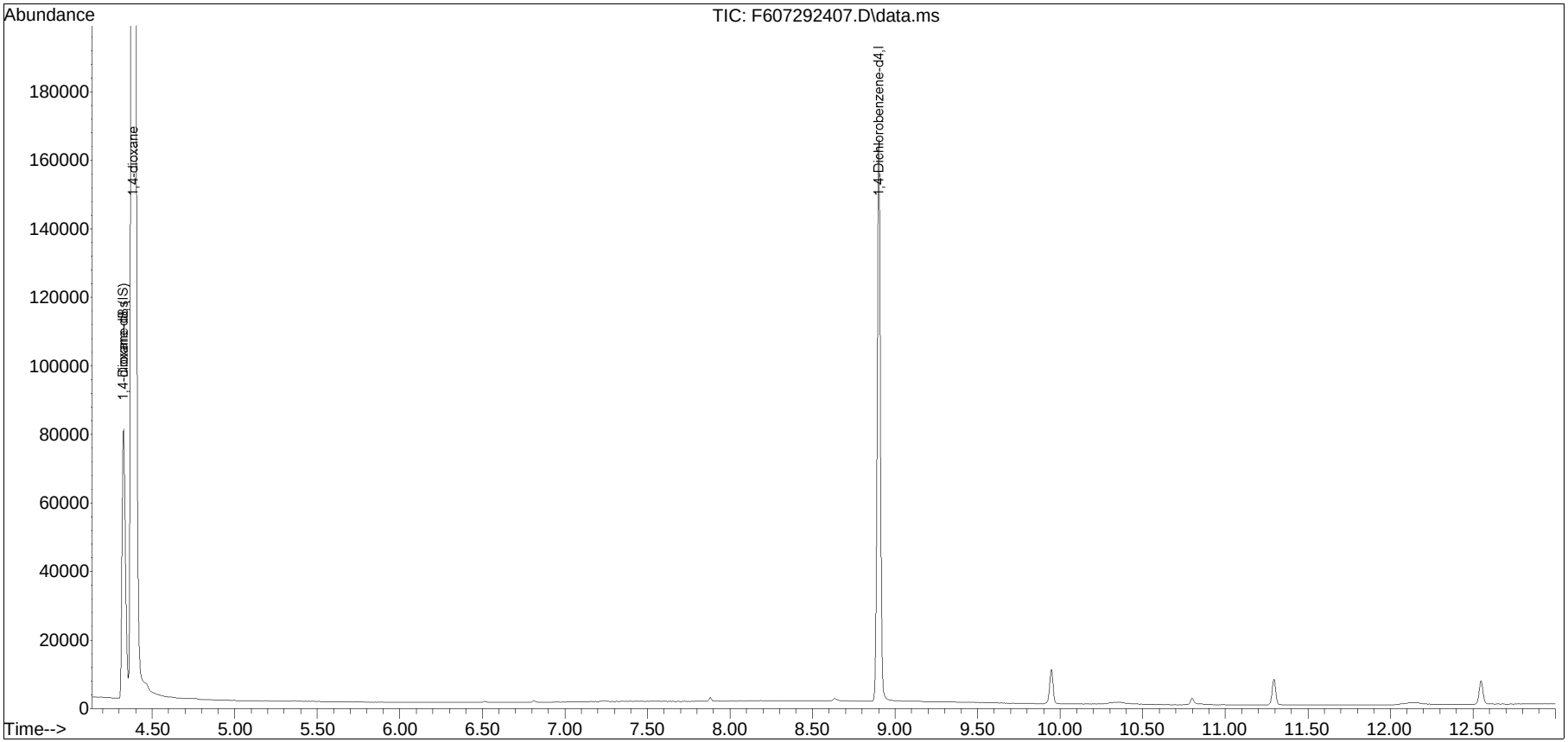
(#) = qualifier out of range (m) = manual integration (+) = signals summed

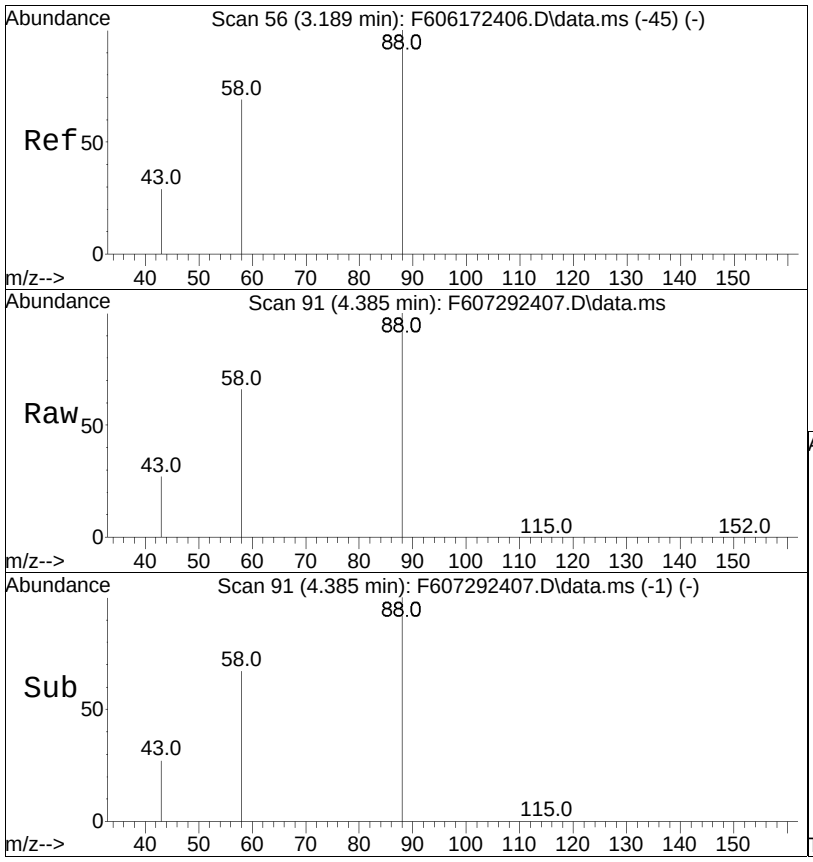
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

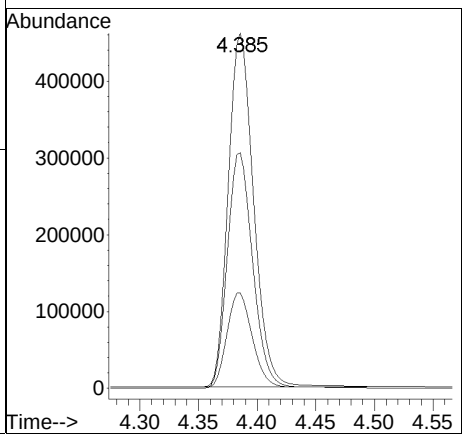




#2
1,4-dioxane
Concen: 5021.25 ng/mL
RT: 4.385 min Scan# 91
Delta R.T. -0.011 min
Lab File: F607292407.D
Acq: 29 Jul 2024 11:07 am

Tgt Ion: 88 Resp: 694776

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292407.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:07 am	Instrument	: GCMS 6
Sample	: I607292406	Quant Date	: 7/29/2024 12:23 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.330	64	43979	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	138244	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.330	64	43979	500.951	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.19%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	1400674	10199.069	ng/mL	100

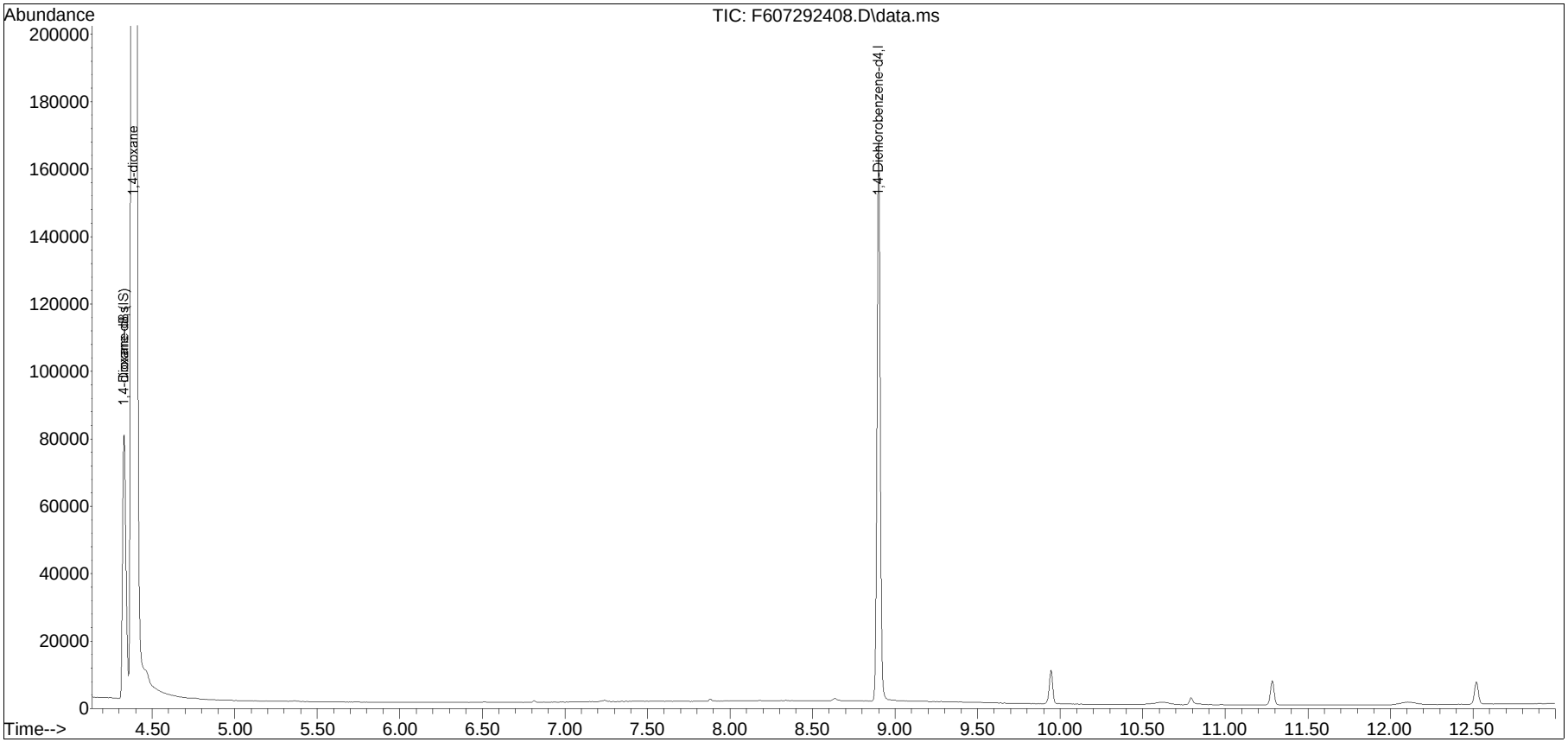
(#) = qualifier out of range (m) = manual integration (+) = signals summed

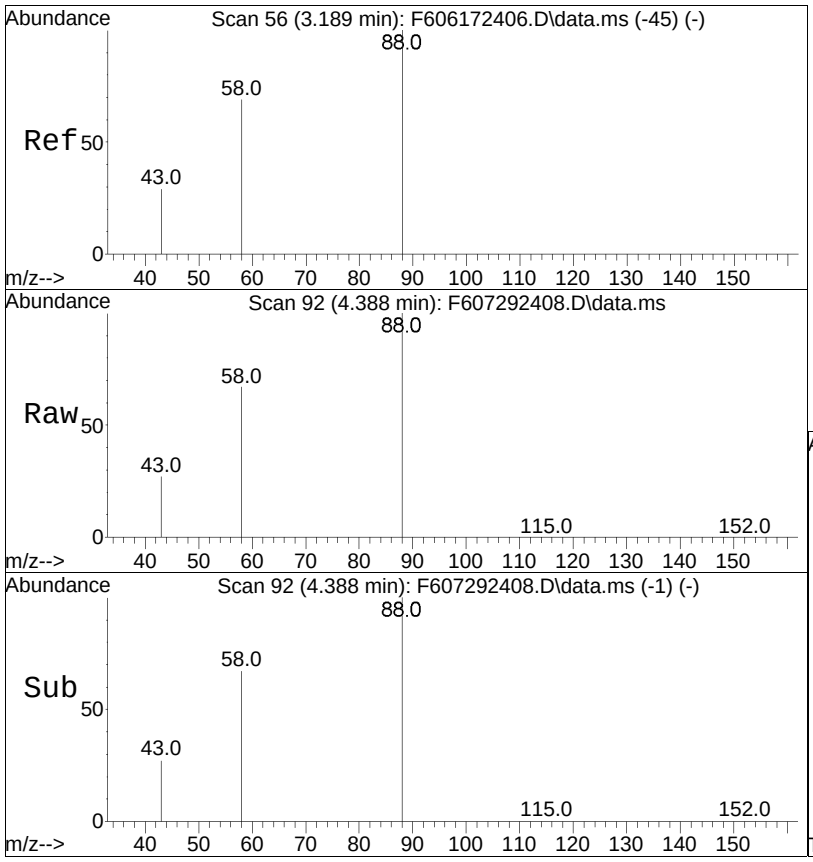
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

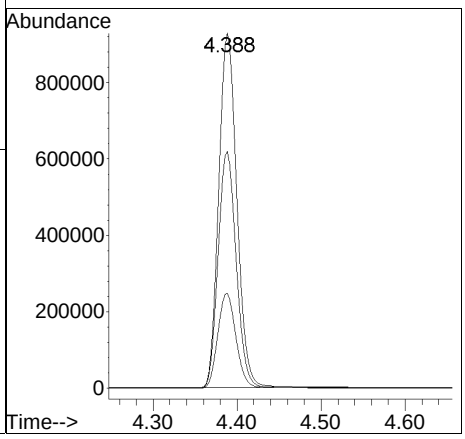




#2
1,4-dioxane
Concen: 10199.07 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292408.D
Acq: 29 Jul 2024 11:29 am

Tgt Ion: 88 Resp: 1400674

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.0	81.0
43	26.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292408.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:29 am	Instrument	: GCMS 6
Sample	: I607292407	Quant Date	: 7/29/2024 12:23 pm

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

F607292408.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:34 2024 RePage 1er

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	98	0.00
2	1,4-dioxane	1.561	1.461	6.4	93	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
4 s	1,4-dioxane-d8	0.318	0.316	0.6	102	0.00

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44594	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	141301	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44594	496.967	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.39%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	130346	936.031	ng/mL	99

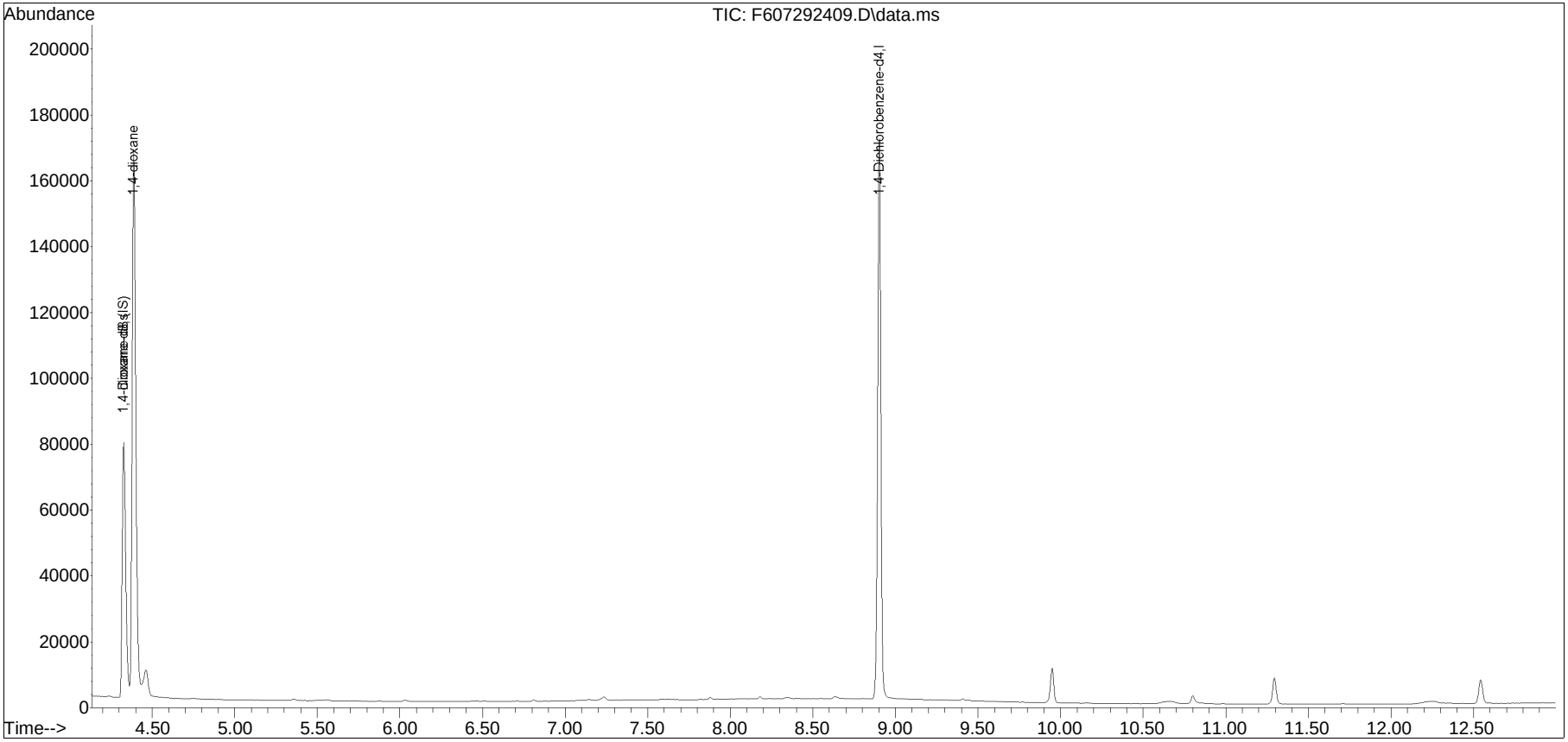
(#) = qualifier out of range (m) = manual integration (+) = signals summed

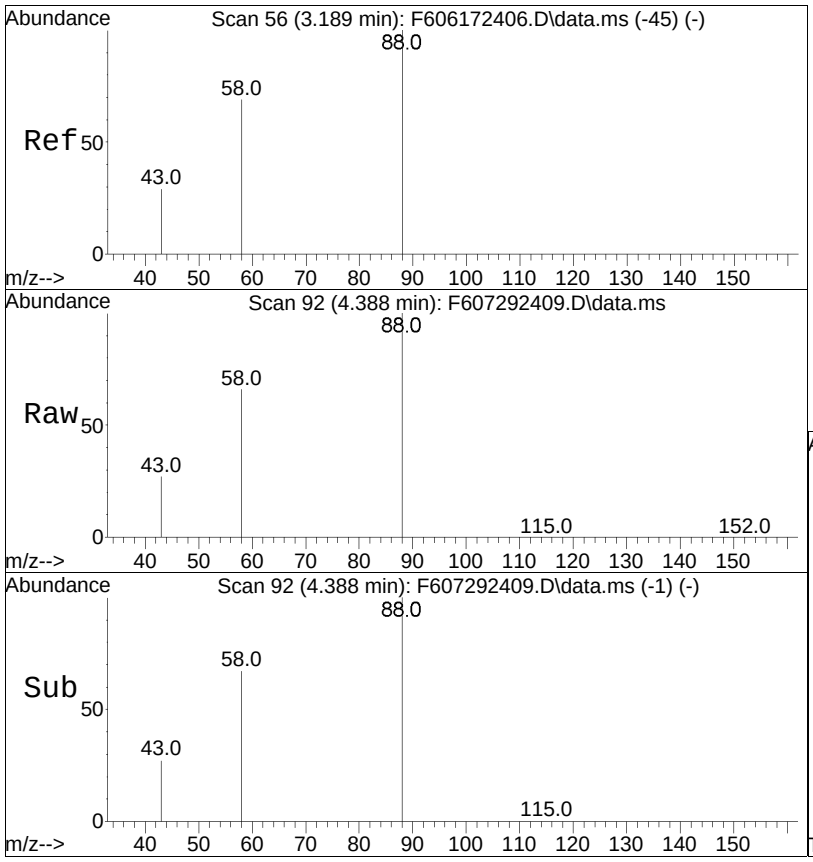
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

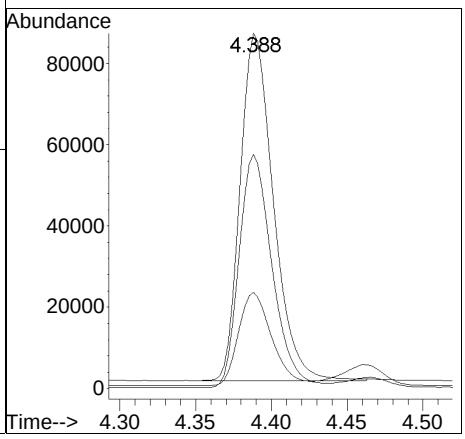




#2
1,4-dioxane
Concen: 936.03 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292409.D
Acq: 29 Jul 2024 11:50 am

Tgt Ion: 88 Resp: 130346

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292409.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:50 am	Instrument	: GCMS 6
Sample	: CQ607292401	Quant Date	: 7/29/2024 12:23 pm

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

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: GCMS6		**Calibration Date**	: 08/28/24 07:57	
Lab File ID	: F608282402		**Init. Calib. Date(s)**	: 07/29/24	07/29/24
Sample No	: WG1964894-2		**Init. Calib. Times**	: 09:17	11:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	105	0
1,4-dioxane	1.561	1.564	-	-0.2	20	107	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	102	0
1,4-dioxane-d8	0.318	0.328	-	-3.1	20	110	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PAH5		**Calibration Date**	: 08/28/24 08:02	
Lab File ID	: F508282402		**Init. Calib. Date(s)**	: 07/17/24	07/17/24
Sample No	: WG1965023-2		**Init. Calib. Times**	: 15:53	18:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	108	0
1,4-dioxane	1.796	1.73	-	3.7	20	102	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
1,4-dioxane-d8	0.254	0.243	-	4.3	20	105	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	108	0.00
2	1,4-dioxane	1.796	1.730	3.7	102	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
4 s	1,4-dioxane-d8	0.254	0.243	4.3	105	0.00

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.211	64	7186	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.761	152	29548	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.211	64	7186	478.231	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 95.65%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.261	88	24867	963.450	ng/mL	99

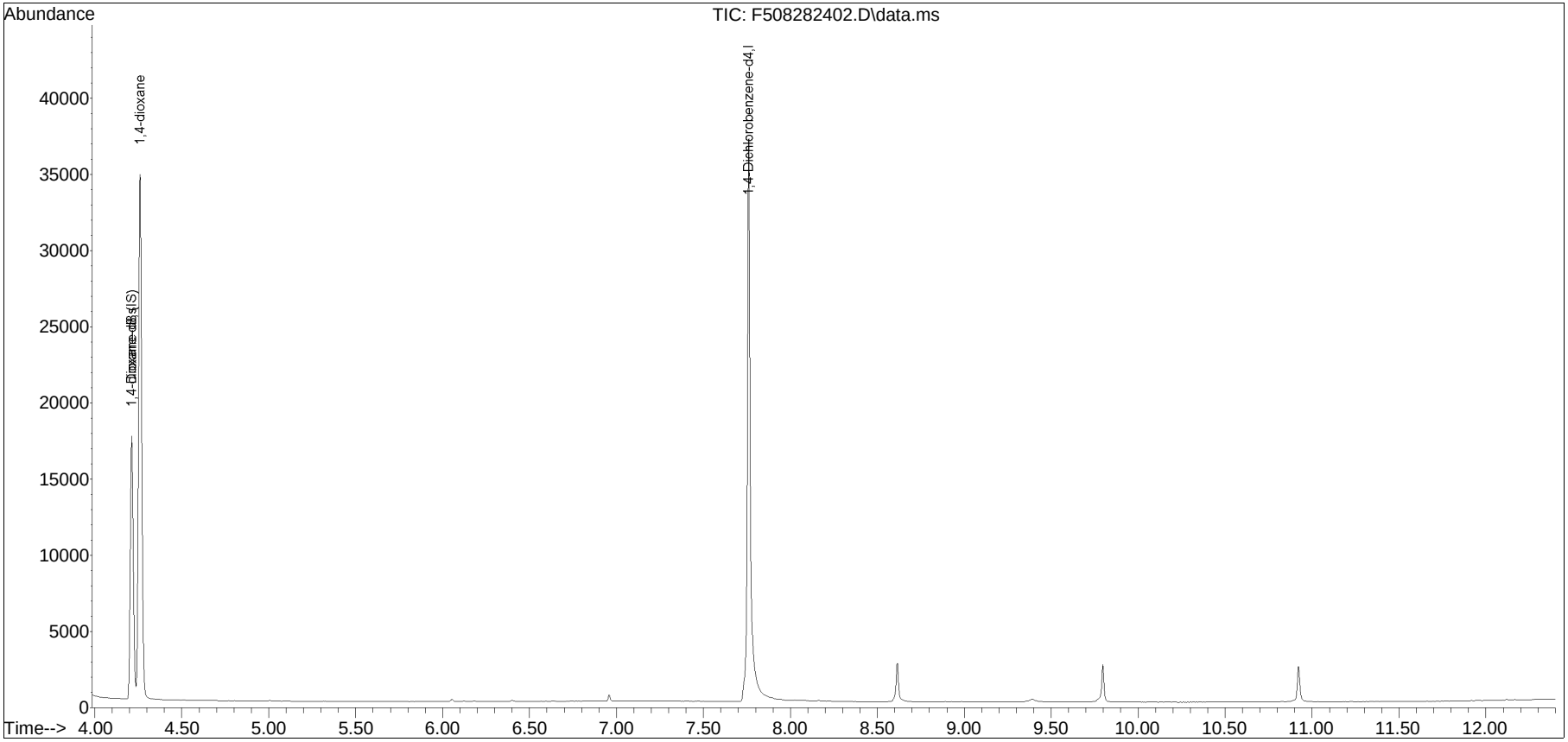
(#) = qualifier out of range (m) = manual integration (+) = signals summed

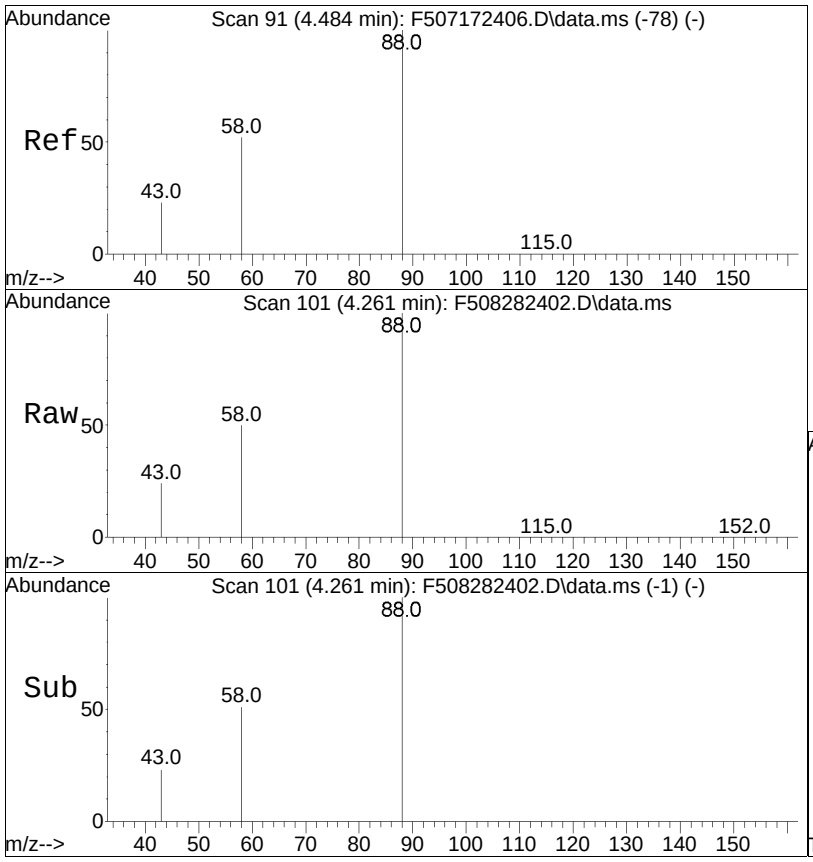
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

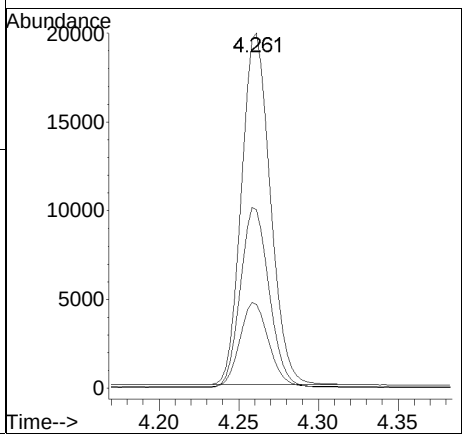




#2
1,4-dioxane
Concen: 963.45 ng/mL
RT: 4.261 min Scan# 101
Delta R.T. 0.000 min
Lab File: F508282402.D
Acq: 28 Aug 2024 8:02 am

Tgt Ion: 88 Resp: 24867

Ion	Ratio	Lower	Upper
88	100		
58	51.3	41.5	62.3
43	23.9	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282402.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 8:02 am	Instrument	: PAH 5
Sample	: WG1965023-2	Quant Date	: 8/28/2024 12:40 pm

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

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	105	0.00
2	1,4-dioxane	1.561	1.564	-0.2	107	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
4 s	1,4-dioxane-d8	0.318	0.328	-3.1	110	0.00

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.110	64	48060	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.769	152	146667	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.110	64	48060	515.998	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 103.20%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.171	88	150331	1001.691	ng/mL	100

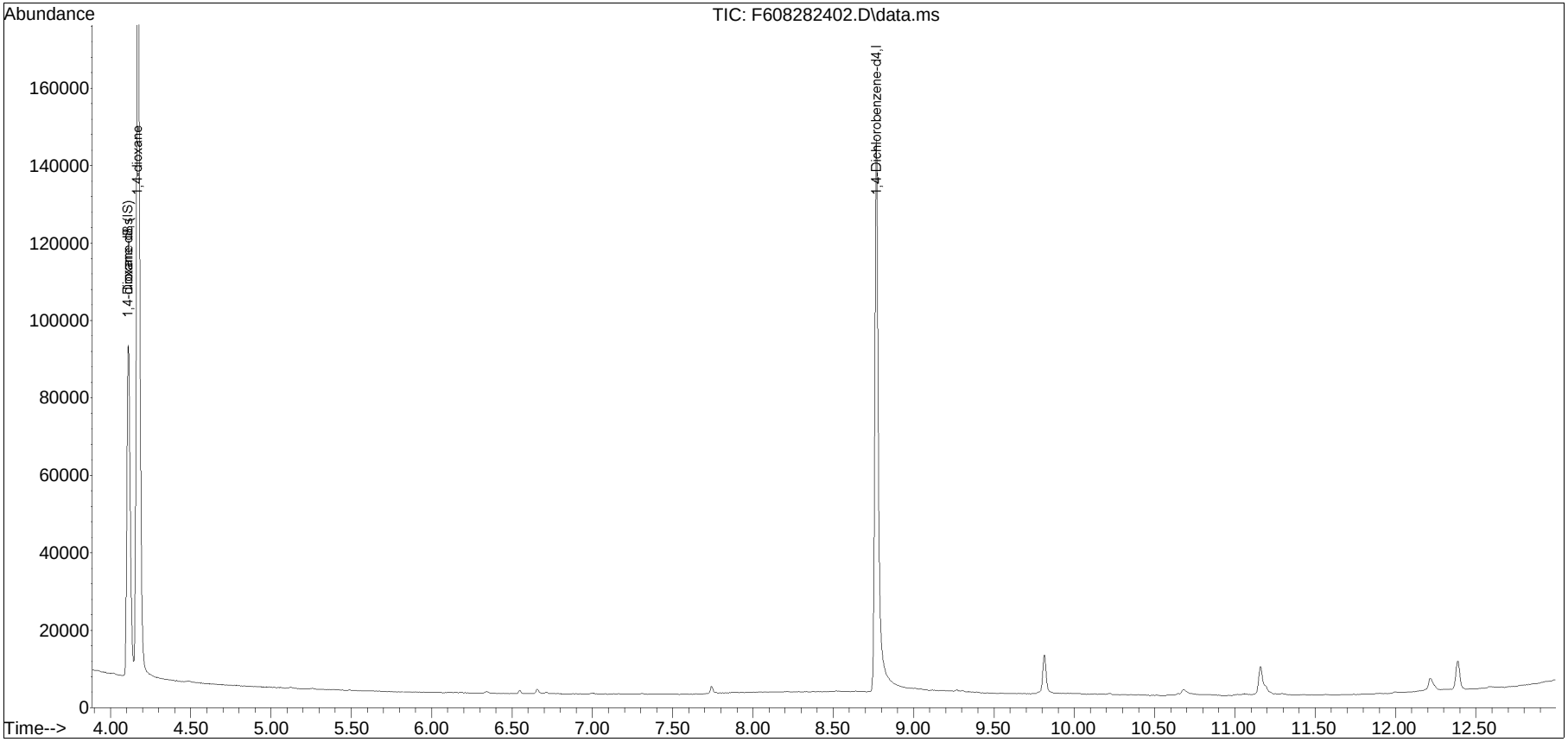
(#) = qualifier out of range (m) = manual integration (+) = signals summed

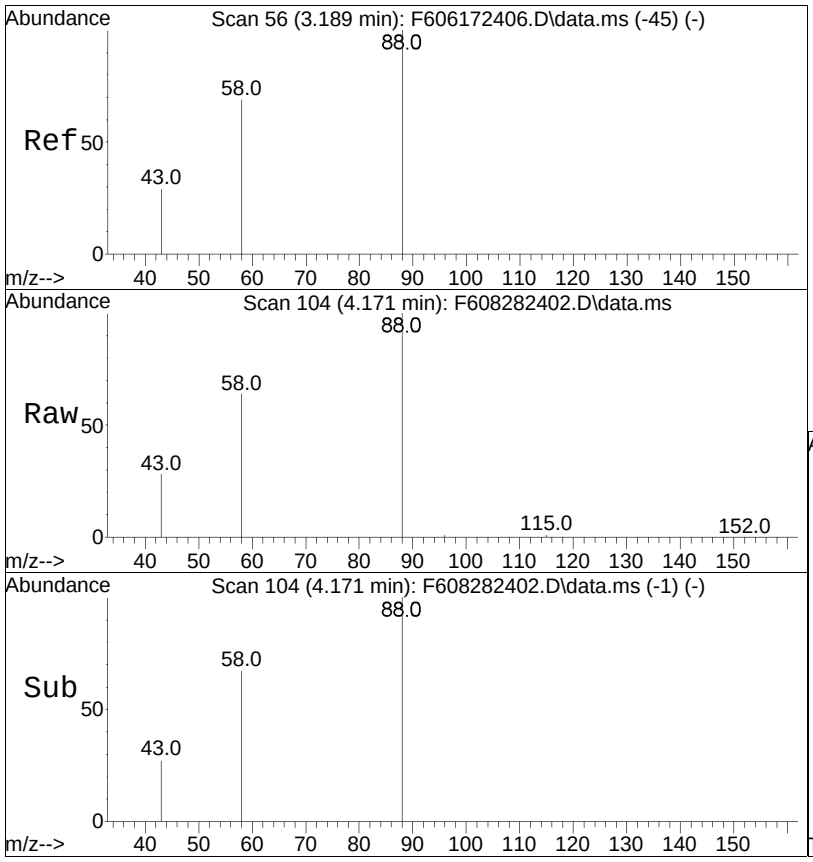
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

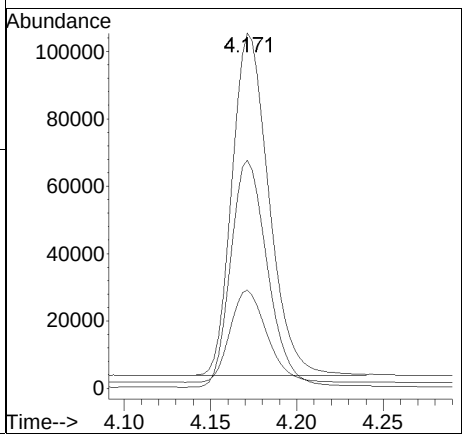




#2
1,4-dioxane
Concen: 1001.69 ng/mL
RT: 4.171 min Scan# 104
Delta R.T. 0.000 min
Lab File: F608282402.D
Acq: 28 Aug 2024 7:57 am

Tgt Ion: 88 Resp: 150331

Ion	Ratio	Lower	Upper
88	100		
58	67.3	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282402.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 7:57 am	Instrument	: GCMS 6
Sample	: WG1964894-2	Quant Date	: 8/28/2024 1:08 pm

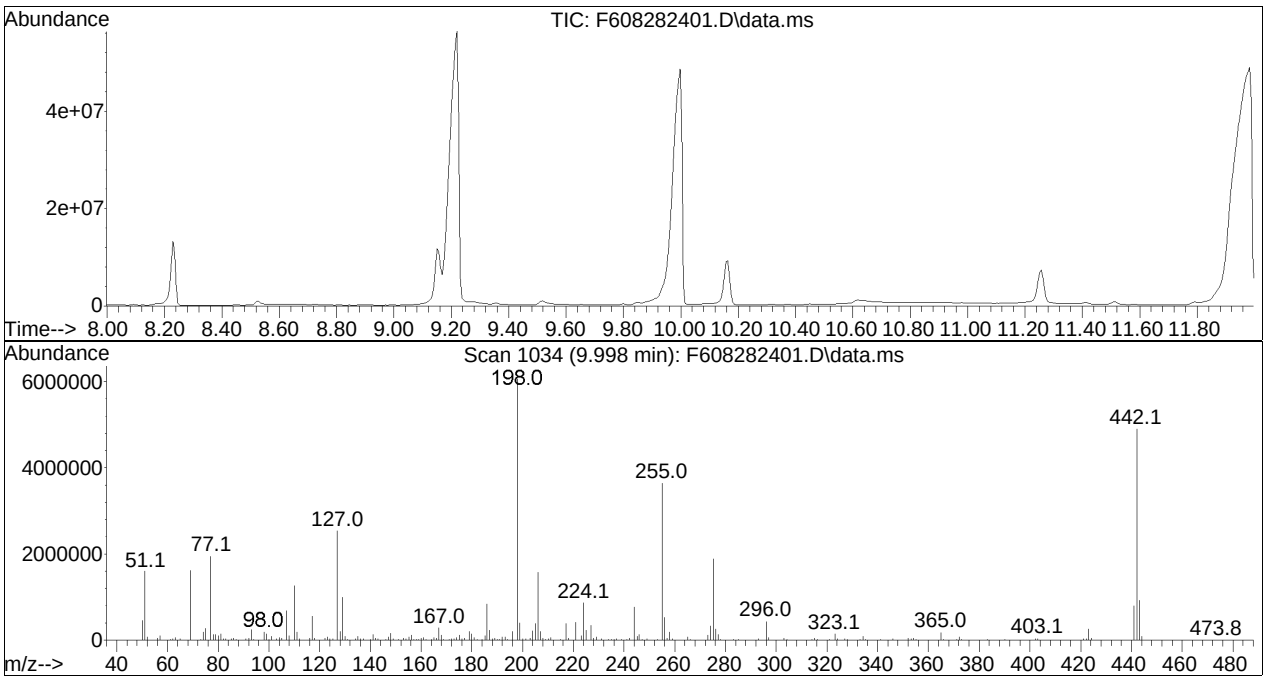
There are no manual integrations or false positives in this file.

Semivolatiles Raw QC Data

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282401.D
Acq On : 28 Aug 2024 7:18 am
Operator : GCMS6:GRS
Sample : WG1964894-1
Misc : WG1964894,,ICAL21343,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Wed Aug 28 13:08:34 2024



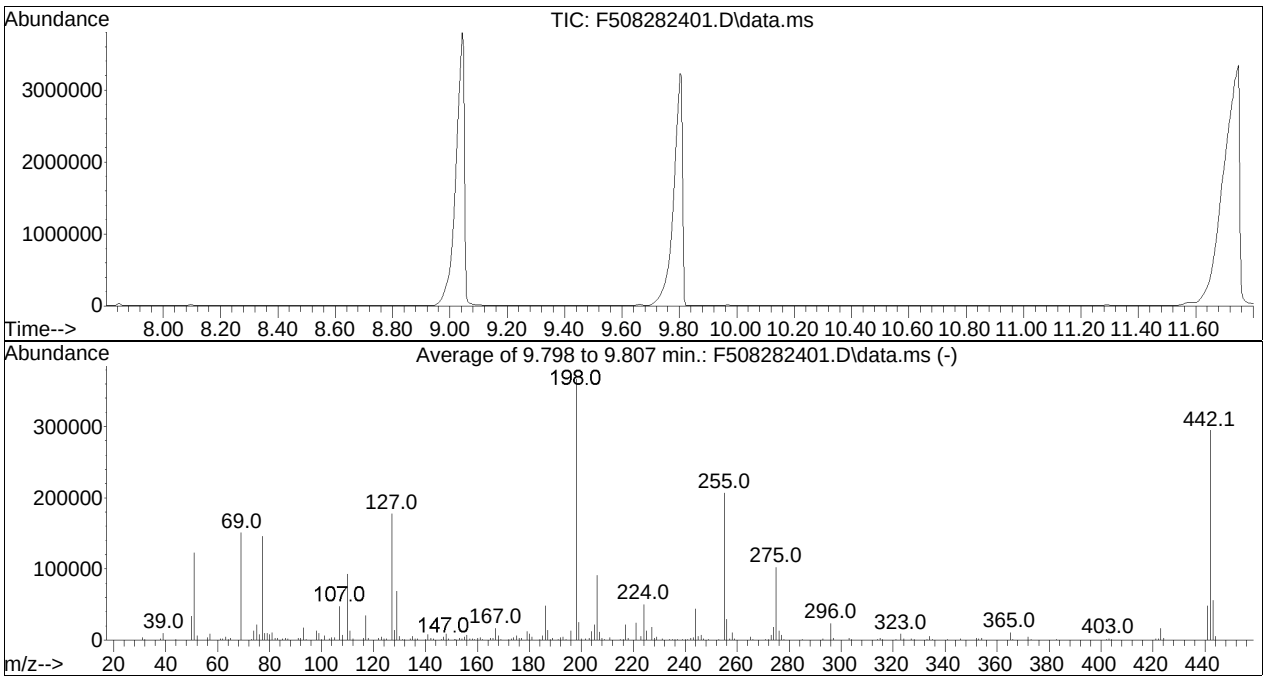
Spectrum Information: Scan 1034

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	26.4	1598464	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	8791	PASS
127	198	10	80	41.8	2537472	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	6066176	PASS
199	198	5	9	6.7	409344	PASS
275	198	10	60	31.0	1883136	PASS
365	198	1	100	2.9	176704	PASS
441	442	0.01	24	16.3	800640	PASS
442	198	50	100	80.9	4904960	PASS
443	442	15	24	18.9	927808	PASS

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282401.D
Acq On : 28 Aug 2024 7:21 am
Operator : PAH5:GRS
Sample : WG1965023-1
Misc : WG1965023,,ICAL21302,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Wed Aug 28 12:40:43 2024



Spectrum Information: Average of 9.798 to 9.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.4	122555	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	740	PASS
127	198	10	80	48.4	177856	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	367275	PASS
199	198	5	9	6.7	24683	PASS
275	198	10	60	28.0	102696	PASS
365	198	1	100	2.9	10476	PASS
441	442	0.01	24	16.5	48675	PASS
442	198	50	100	80.4	295168	PASS
443	442	15	24	19.0	56059	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282403.D
Acq On : 28 Aug 2024 9:22 am
Operator : PAH5:GRS
Sample : WG1964624-1,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 12:43:31 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.247	64	3276	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.775	152	23852	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.247	64	3276	270.083	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 54.02%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

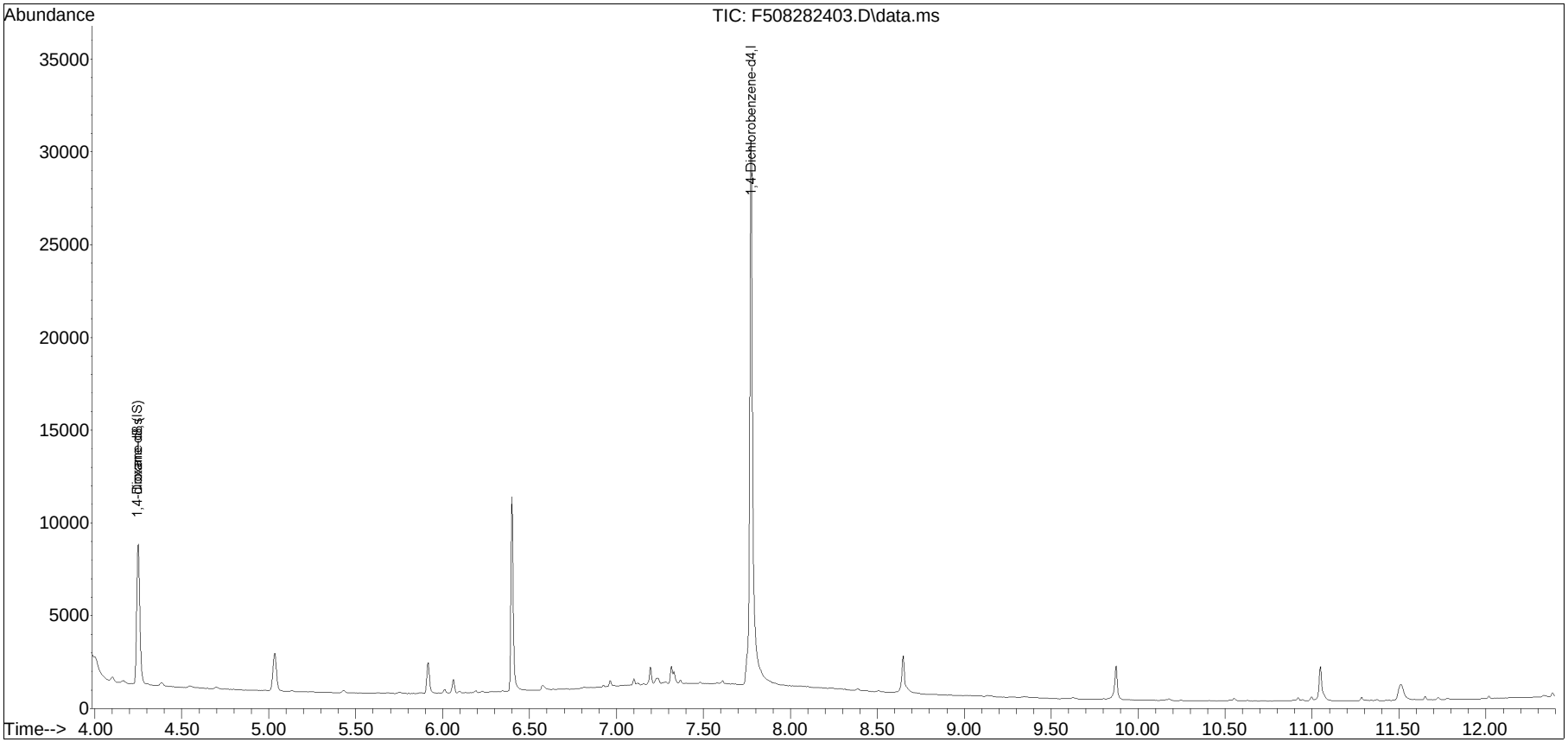
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282403.D
Acq On : 28 Aug 2024 9:22 am
Operator : PAH5:GRS
Sample : WG1964624-1,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 12:43:31 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282403.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 9:22 am	Instrument	: PAH 5
Sample	: WG1964624-1,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282404.D
Acq On : 28 Aug 2024 9:47 am
Operator : PAH5:GRS
Sample : WG1964624-2,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:41:08 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.275	64	3195	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.767	152	24636	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.275	64	3195	255.023	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 51.00%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.325	88	6066	528.597	ng/mL	98

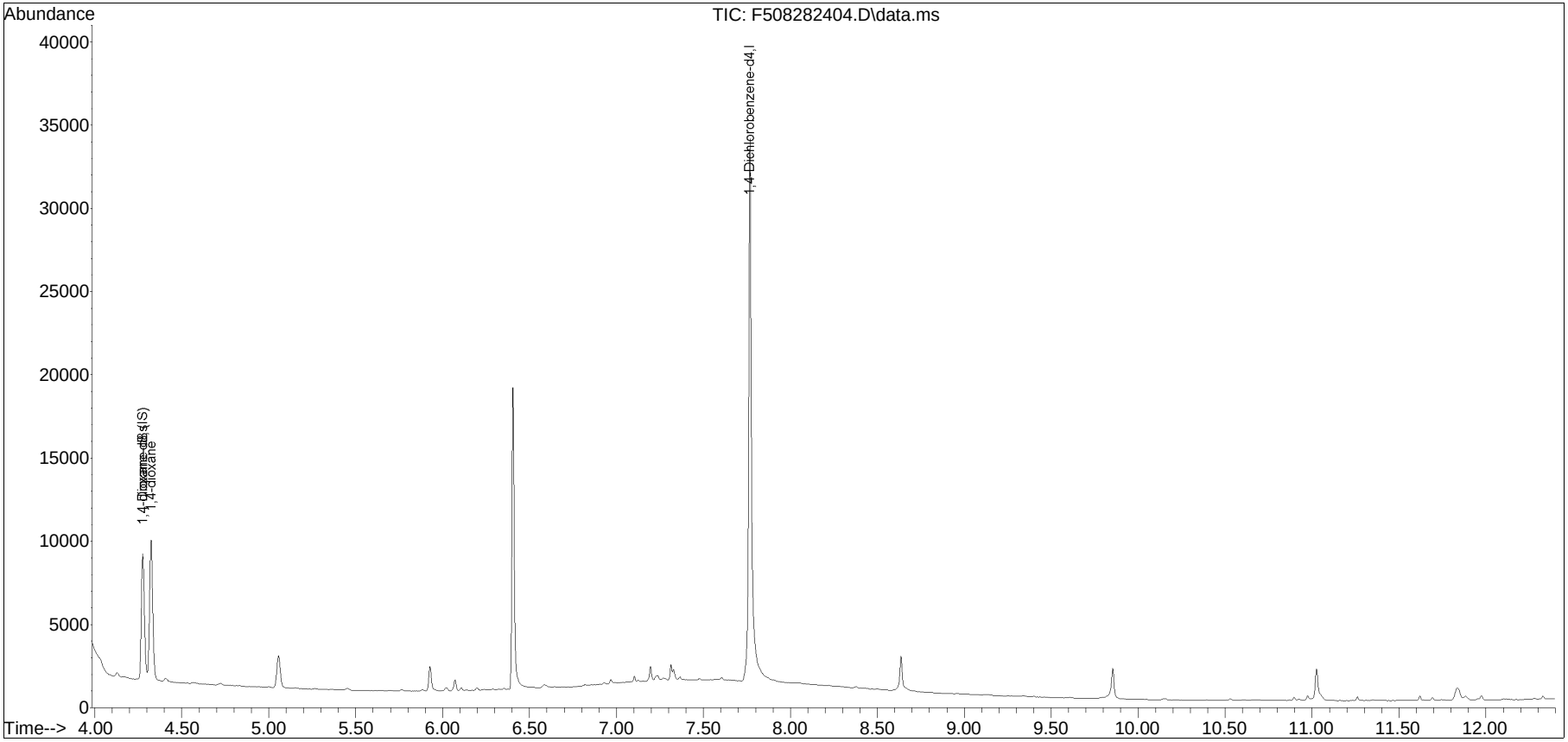
(#) = qualifier out of range (m) = manual integration (+) = signals summed

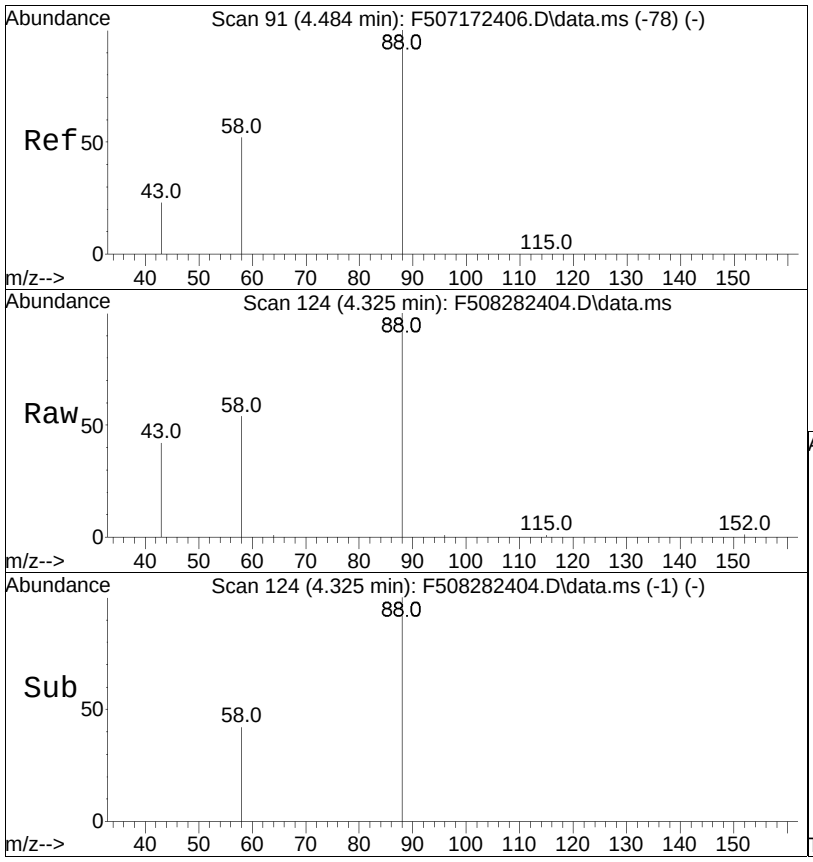
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282404.D
Acq On : 28 Aug 2024 9:47 am
Operator : PAH5:GRS
Sample : WG1964624-2,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:41:08 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

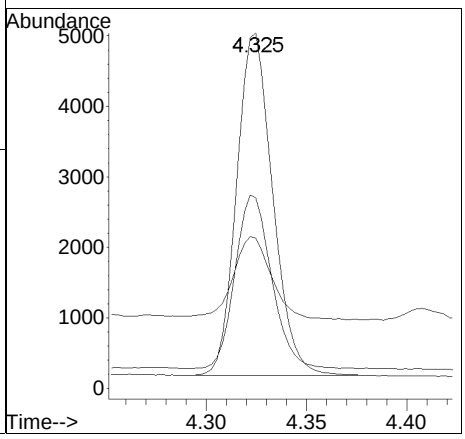




#2
1,4-dioxane
Concen: 528.60 ng/mL
RT: 4.325 min Scan# 124
Delta R.T. 0.064 min
Lab File: F508282404.D
Acq: 28 Aug 2024 9:47 am

Tgt Ion: 88 Resp: 6066

Ion	Ratio	Lower	Upper
88	100		
58	51.1	41.5	62.3
43	25.7	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282404.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 9:47 am	Instrument	: PAH 5
Sample	: WG1964624-2,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282405.D
Acq On : 28 Aug 2024 10:14 am
Operator : PAH5:GRS
Sample : WG1964624-3,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 12:41:10 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.264	64	3130	500.000	ng/mL	0.05
3) 1,4-Dichlorobenzene-d4	7.767	152	23934	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.264	64	3130	257.163	ng/mL	0.05
Spiked Amount 500.000	Range 15 - 115		Recovery = 51.43%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.314	88	5985	532.369	ng/mL	98

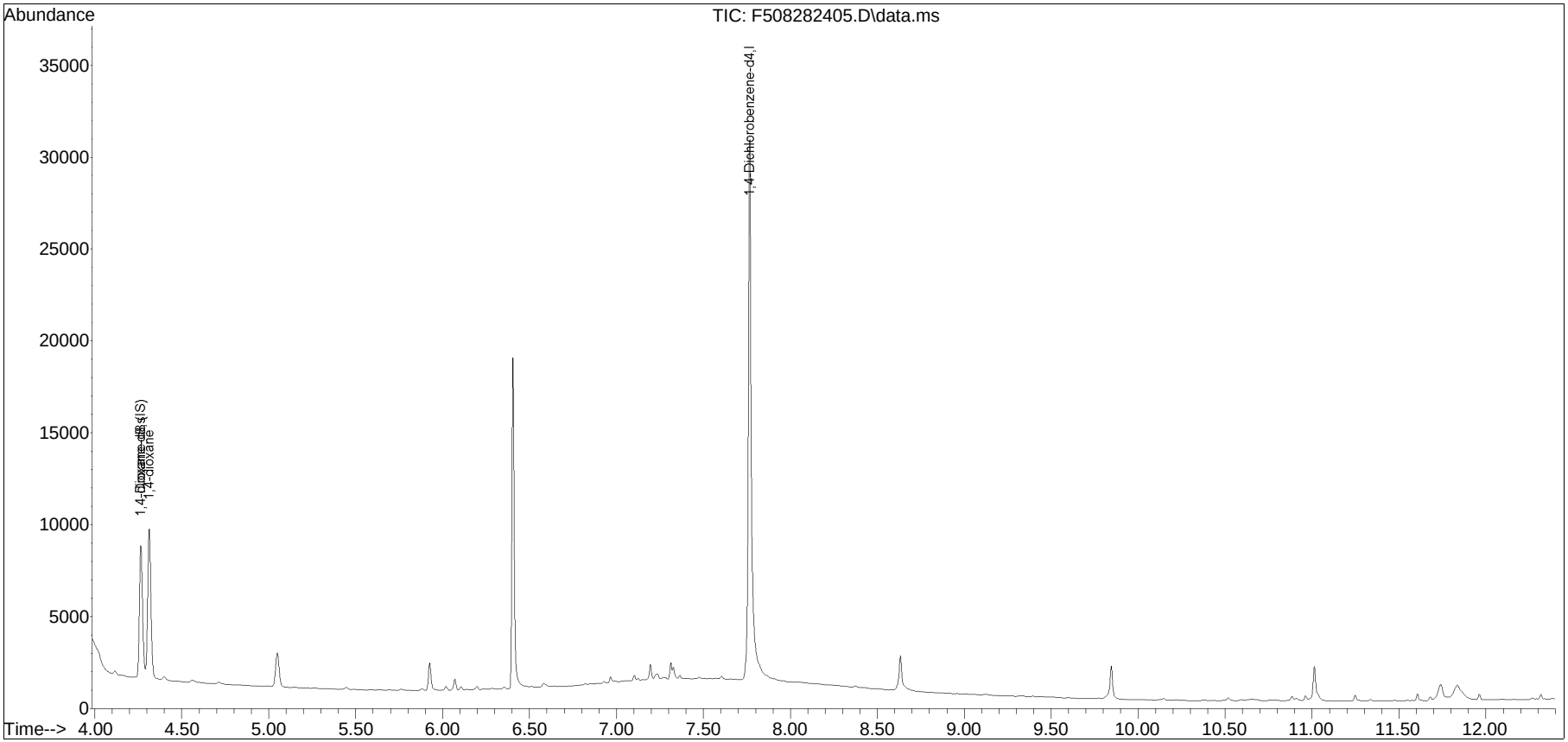
(#) = qualifier out of range (m) = manual integration (+) = signals summed

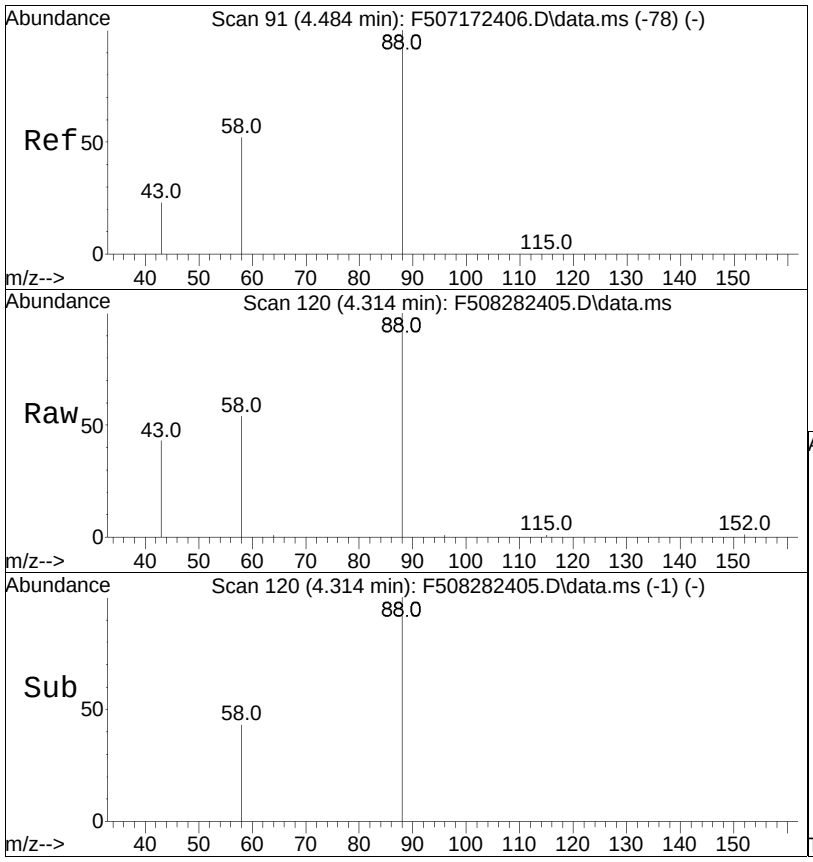
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282405.D
Acq On : 28 Aug 2024 10:14 am
Operator : PAH5:GRS
Sample : WG1964624-3,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 12:41:10 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

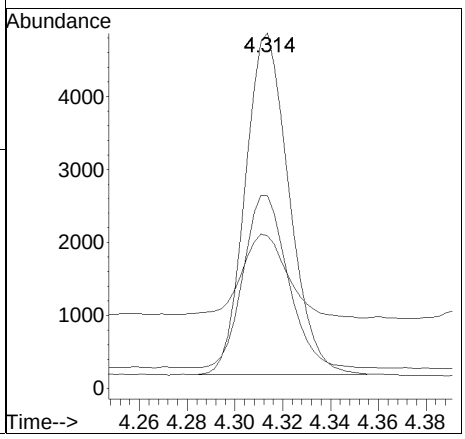




#2
1,4-dioxane
Concen: 532.37 ng/mL
RT: 4.314 min Scan# 120
Delta R.T. 0.053 min
Lab File: F508282405.D
Acq: 28 Aug 2024 10:14 am

Tgt Ion: 88 Resp: 5985

Ion	Ratio	Lower	Upper
88	100		
58	51.1	41.5	62.3
43	25.6	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282405.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 10:14 am	Instrument	: PAH 5
Sample	: WG1964624-3,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282409.D
Acq On : 28 Aug 2024 12:05 pm
Operator : PAH5:GRS
Sample : WG1964624-4,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 12:41:18 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.278	64	2734	500.000	ng/mL	0.07
3) 1,4-Dichlorobenzene-d4	7.775	152	24196	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.278	64	2734	222.195	ng/mL	0.07
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.44%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.325	88	5466	556.627	ng/mL	98

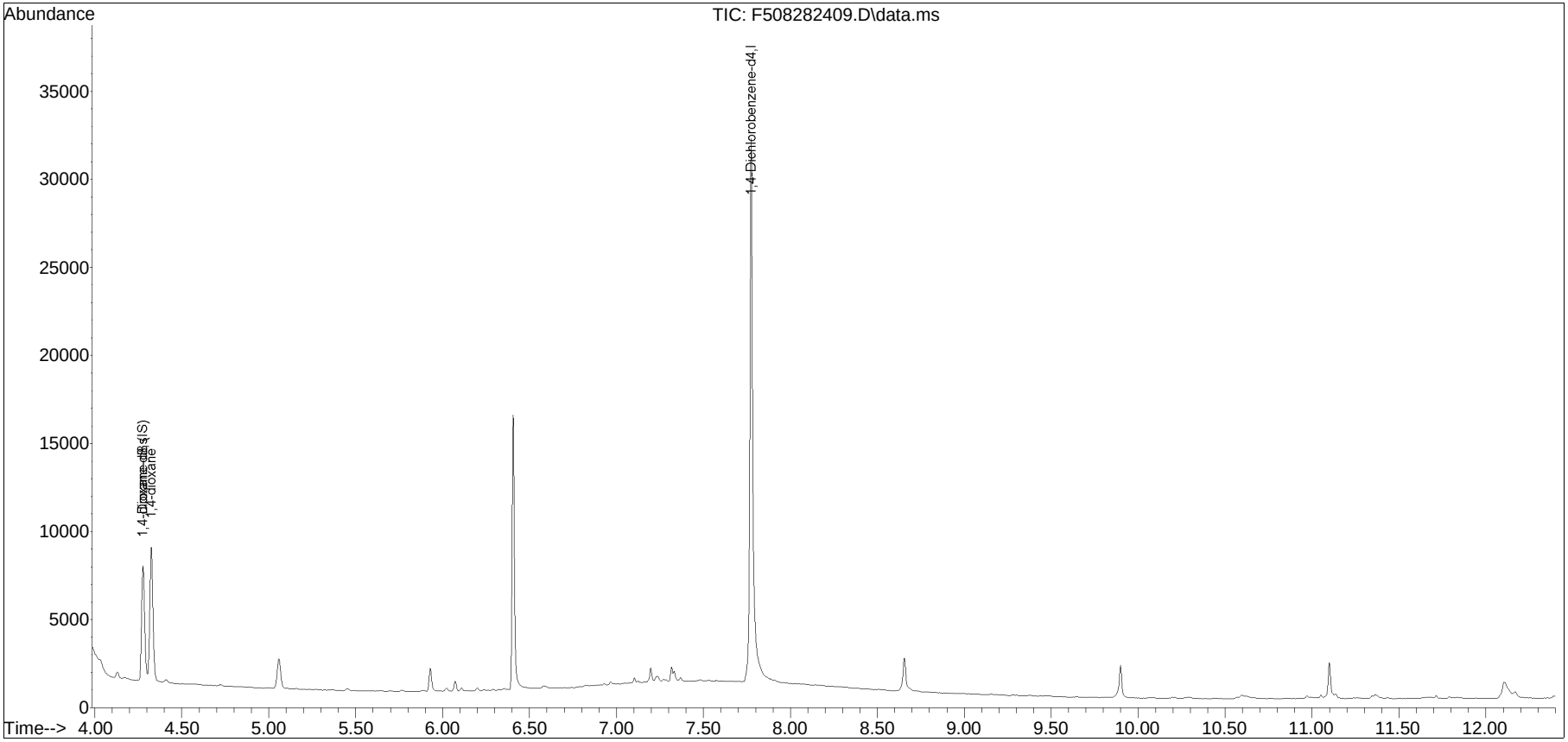
(#) = qualifier out of range (m) = manual integration (+) = signals summed

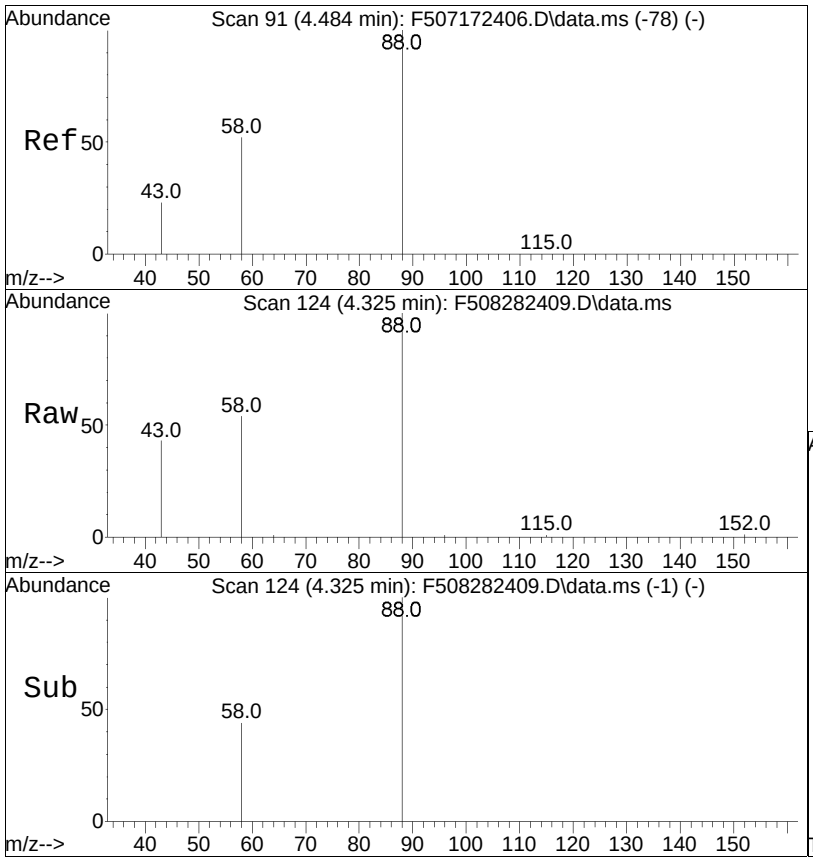
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282409.D
Acq On : 28 Aug 2024 12:05 pm
Operator : PAH5:GRS
Sample : WG1964624-4,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 12:41:18 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

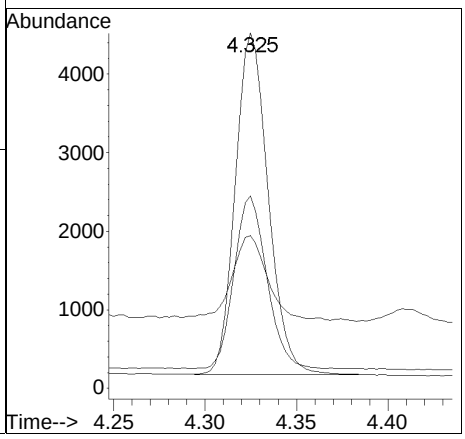




#2
1,4-dioxane
Concen: 556.63 ng/mL
RT: 4.325 min Scan# 124
Delta R.T. 0.064 min
Lab File: F508282409.D
Acq: 28 Aug 2024 12:05 pm

Tgt Ion: 88 Resp: 5466

Ion	Ratio	Lower	Upper
88	100		
58	49.9	41.5	62.3
43	24.4	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282409.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 12:05 pm	Instrument	: PAH 5
Sample	: WG1964624-4,32	Quant Date	: 8/28/2024 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282410.D
Acq On : 28 Aug 2024 12:26 pm
Operator : PAH5:GRS
Sample : WG1964624-5,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 12:41:20 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.256	64	2612	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.778	152	23147	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.256	64	2612	221.900	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.38%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.305	88	5168	550.861	ng/mL	98

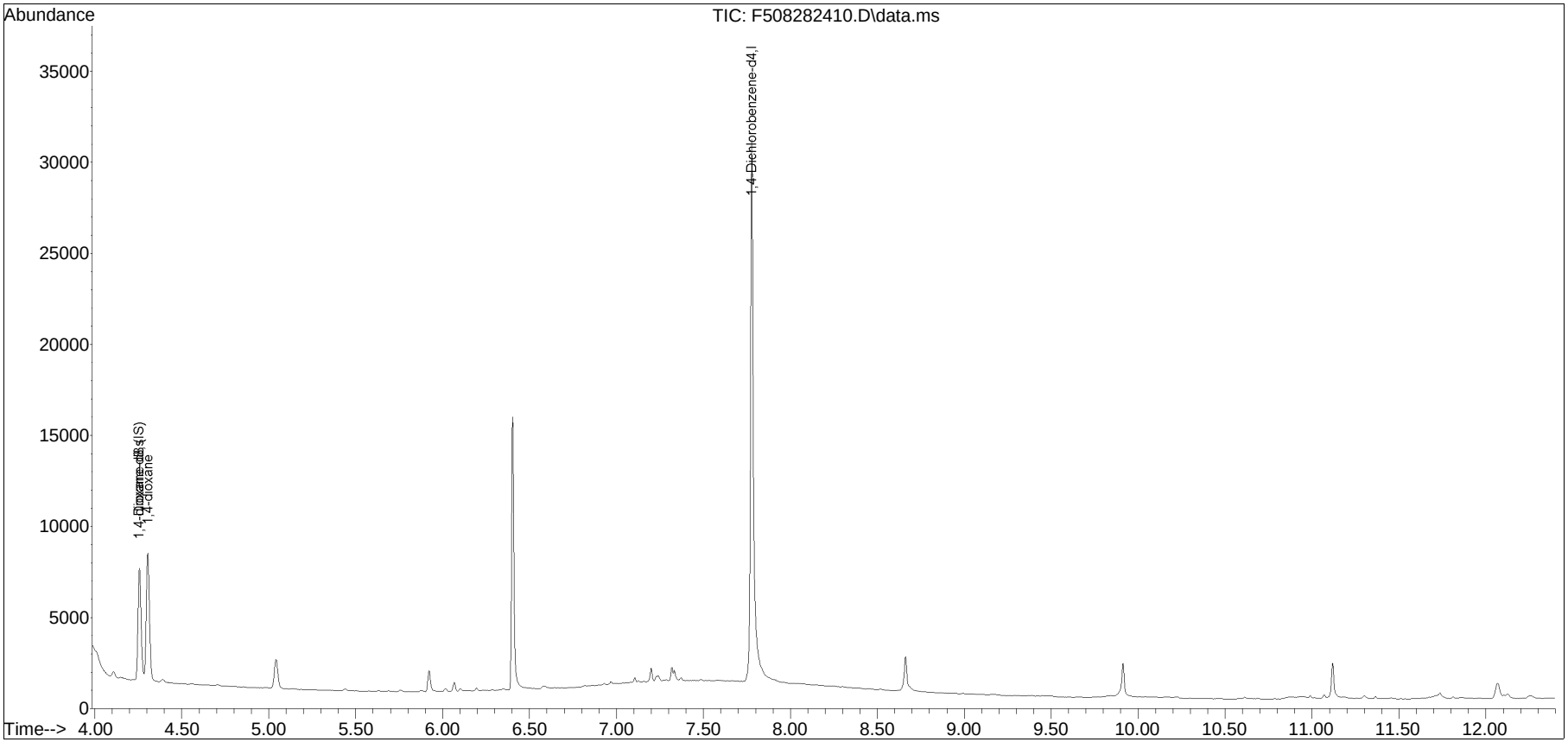
(#) = qualifier out of range (m) = manual integration (+) = signals summed

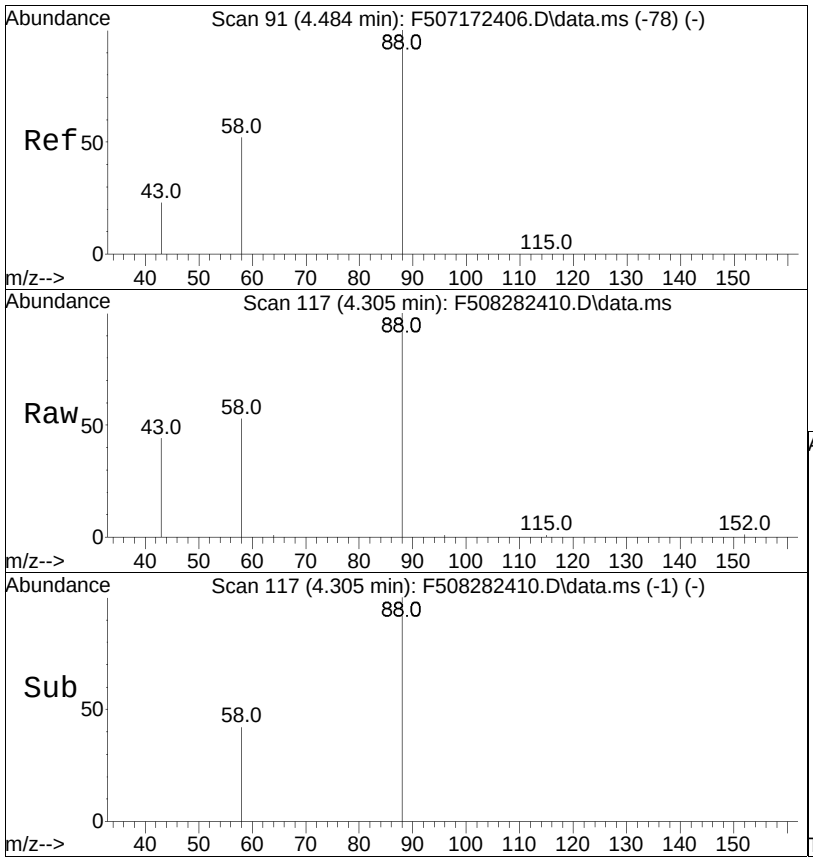
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282410.D
Acq On : 28 Aug 2024 12:26 pm
Operator : PAH5:GRS
Sample : WG1964624-5,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 12:41:20 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

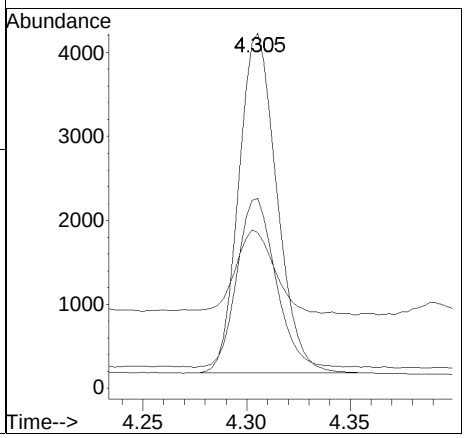




#2
1,4-dioxane
Concen: 550.86 ng/mL
RT: 4.305 min Scan# 117
Delta R.T. 0.044 min
Lab File: F508282410.D
Acq: 28 Aug 2024 12:26 pm

Tgt Ion: 88 Resp: 5168

Ion	Ratio	Lower	Upper
88	100		
58	50.1	41.5	62.3
43	24.5	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282410.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 12:26 pm	Instrument	: PAH 5
Sample	: WG1964624-5,32	Quant Date	: 8/28/2024 12:41 pm

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

Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 02:19 pm

Work Group: WG1964894 for Department: 32 GC/MS - Semivolatiles

Created: 28-AUG-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-05	MW-5S	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0910	S0	Amber-A.25
L2447503-08	MW-8S	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0910	S0	Amber-A.25
L2447503-09	DUP	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0910	S0	Amber-A.25
L2447503-10	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0910	S0	Amber-A.25
L2447503-11	EQUIPMENT BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0910	S0	Amber-A.25
L2447581-05	MW-32	S	A2-14-DIOXANESIM-PPB	WATER	DACQ	U	0827	0828	S0	Amber-A.25
L2447872-03	MW-05-082124	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447872-05	FB-082124	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-11	MW-9B	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-12	DUP	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-13	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2448430-01	JD, 800MJ/CM2,2MG/L H2O2	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0909	S0	Amber-A.25
L2448430-07	SPIKED SAMPLE JD 8/20	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0909	S0	Amber-A.25
WG1964894-1	MS DFTPP Tune Standa	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964894-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964894-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 02:19 pm

Work Group: WG1965023 for Department: 32 GC/MS - Semivolatiles

Created: 28-AUG-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447890-01	MW-3A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-02	MW-6A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0828	S0	Amber-A.25
L2447890-03	MW-6B	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0828	S0	Amber-A.25
WG1964624-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964624-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964624-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964624-4	Matrix Spike	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964624-5	Matrix Spike Duplica	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964625-1	Laboratory Method Bl	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964625-2	Laboratory Control S	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964625-3	LCS Duplicate	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964628-1	Laboratory Method Bl	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964628-2	Laboratory Control S	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964628-3	LCS Duplicate	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1965023-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1965023-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1965023-1	MS DFTPP Tune Standa	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1965023-2	Continuing Calibrati	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1965023-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1965023-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				

Comments:

WG1964624-3	WG1964624-2
WG1964624-4	L2447890-03
WG1964624-5	L2447890-03
WG1964625-3	WG1964625-2
WG1964628-3	WG1964628-2

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\PAH5\2024\JUL\JUL17A\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F507172401.D	DFTPPPAH5.M	T507172401	WG1948411,MSBU36	7/17/2024 3:18 pm
2	F507172402.D	14DIOXANEPAH	I507172401	WG1948411,MSBT54	7/17/2024 3:53 pm
3	F507172403.D	14DIOXANEPAH	I507172402	WG1948411,MSBT55	7/17/2024 4:24 pm
4	F507172404.D	14DIOXANEPAH	I507172403	WG1948411,MSBU56	7/17/2024 4:46 pm
5	F507172405.D	14DIOXANEPAH	I507172404	WG1948411,MSBU57	7/17/2024 5:07 pm
6	F507172406.D	14DIOXANEPAH	I507172405	WG1948411,MSBU37	7/17/2024 5:29 pm
7	F507172407.D	14DIOXANEPAH	I507172406	WG1948411,MSBT59	7/17/2024 5:50 pm
8	F507172408.D	14DIOXANEPAH	I507172407	WG1948411,MSBT53	7/17/2024 6:11 pm
9	F507172409.D	14DIOXANEPAH	CQ507172401	WG1948411,MSBU02	7/17/2024 6:33 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\JUL\JUL29\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F607292401.D	DFTPPGCMS6.M	T607292401	WG1952684,MSBU36	7/29/2024 8:40 am
2	F607292402.D	GCMS614DX@1U	I607292401	WG1952684,MSBU51	7/29/2024 9:17 am
3	F607292403.D	GCMS614DX@1U	I607292402	WG1952684,MSBU52	7/29/2024 9:40 am
4	F607292404.D	GCMS614DX@1U	I607292403	WG1952684,MSBU53	7/29/2024 10:01 am
5	F607292405.D	GCMS614DX@1U	I607292404	WG1952684,MSBU54	7/29/2024 10:23 am
6	F607292406.D	GCMS614DX@1U	I607292405	WG1952684,MSBU55	7/29/2024 10:45 am
7	F607292407.D	GCMS614DX@1U	I607292406	WG1952684,MSBU56	7/29/2024 11:07 am
8	F607292408.D	GCMS614DX@1U	I607292407	WG1952684,MSBU50	7/29/2024 11:29 am
9	F607292409.D	GCMS614DX@1U	CQ607292401	WG1952684,MSBU02	7/29/2024 11:50 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 8
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\AUG\AUG28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F608282401.D	DFTPPGCMS6.M	WG1964894-1	WG1964894,,ICAL21343,MS..	8/28/2024 7:18 am
2	F608282402.D	GCMS614DX@1U	WG1964894-2	WG1964894,,ICAL21343,MS..	8/28/2024 7:57 am
3	F608282403.D	GCMS614DX@1U	L2447890-11,32,,	WG1964894,WG1964624,ICA..	8/28/2024 9:27 am
4	F608282404.D	GCMS614DX@1U	L2447890-12,32,,	WG1964894,WG1964624,ICA..	8/28/2024 9:51 am
5	F608282405.D	GCMS614DX@1U	L2447890-13,32,,	WG1964894,WG1964624,ICA..	8/28/2024 10:17 am
6	F608282406.D	GCMS614DX@1U	L2447872-03,32,,	WG1964894,WG1964625,ICA..	8/28/2024 10:43 am
7	F608282407.D	GCMS614DX@1U	L2447872-05,32,,	WG1964894,WG1964625,ICA..	8/28/2024 11:10 am
8	F608282408.D	GCMS614DX@1U	L2447581-05,32,,	SEE 10X/20X DL	8/28/2024 11:37 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 10
Log Generated From Directory: O:\Organics\DATA\PAH5\2024\AUG\AUG28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F508282401.D	DFTPPPAH5.M	WG1965023-1	WG1965023,,ICAL21302,MS..	8/28/2024 7:21 am
2	F508282402.D	14DIOXANEPAH	WG1965023-2	WG1965023,,ICAL21302,MS..	8/28/2024 8:02 am
3	F508282403.D	14DIOXANEPAH	WG1964624-1,32	WG1965023,WG1964624,ICA..	8/28/2024 9:22 am
4	F508282404.D	14DIOXANEPAH	WG1964624-2,32	WG1965023,WG1964624,ICA..	8/28/2024 9:47 am
5	F508282405.D	14DIOXANEPAH	WG1964624-3,32	WG1965023,WG1964624,ICA..	8/28/2024 10:14 am
6	F508282406.D	14DIOXANEPAH	L2447890-01,32	WG1965023,WG1964624,ICA..	8/28/2024 10:41 am
7	F508282407.D	14DIOXANEPAH	L2447890-02,32	WG1965023,WG1964624,ICA..	8/28/2024 11:08 am
8	F508282408.D	14DIOXANEPAH	L2447890-03,32	WG1965023,WG1964624,ICA..	8/28/2024 11:41 am
9	F508282409.D	14DIOXANEPAH	WG1964624-4,32	WG1965023,WG1964624,ICA..	8/28/2024 12:05 pm
10	F508282410.D	14DIOXANEPAH	WG1964624-5,32	WG1965023,WG1964624,ICA..	8/28/2024 12:26 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

ORGANIC ELN REPORT

Workgroup: WG1964624

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EI872-US
Surrogate Type: 1,4-DIOXANE **Lot #:** MSBU58
Spike Type: 1,4-DIOXANE **Lot #:** MSBU59
Spike Verify by: NTA
Lims Spikelot: 14DIOXANE

Additional Reagents/Stds

Glass Wool	06323999
Na2SO4	ON082024H

Conc.Method: S-EVAP
Solvent Type: DCM
Lot #: EI872-US

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447503-05 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-08 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-09 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-10 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-11 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-01 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-02 SAMP	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 28-AUG-24 02:19 PM

ORGANIC ELN REPORT

Workgroup: WG1964624

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447890-03 SAMP	08/27/24 18:05	Gavin Aldrich	275	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-11 SAMP	08/27/24 18:05	Gavin Aldrich	245	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-12 SAMP	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-13 SAMP	08/27/24 20:06	Gavin Aldrich	275	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2448430-01 SAMP	08/27/24 20:06	Gavin Aldrich	245	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2448430-07 SAMP	08/27/24 20:06	Gavin Aldrich	235	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-1 BLANK	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
	SHARES QC WITH WG1964625 AND WG1964628 NTA 8/27/24									
WG1964624-2 LCS	08/27/24 18:05	Gavin Aldrich	250	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-3 LCSD	08/27/24 18:05	Gavin Aldrich	250	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-4 MS	08/27/24 18:05	Gavin Aldrich	260	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 28-AUG-24 02:19 PM

ORGANIC ELN REPORT

Workgroup: WG1964624

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1964624-5 MSD	08/27/24 18:05	Gavin Aldrich	275	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 28-AUG-24 02:19 PM

GC Extractable Analysis
Herbicides

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

GC Column 1: STX-CLP1
GC Column 2: STX-CLP2

CLIENT ID (LAB SAMPLE NO.)	1 %REC	2 %REC	1 %REC	2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-3A (L2447890-01)	140	119	--	--			0
MW-6A (L2447890-02)	144	122	--	--			0
MW-6B (L2447890-03)	145	122	--	--			0
MW-6C (L2447890-04)	161*	138	--	--			1
MW-7A (L2447890-05)	131	111	--	--			0
MW-7B (L2447890-06)	136	116	--	--			0
MW-7C (L2447890-07)	158*	133	--	--			1
MW-8A (L2447890-08)	149	127	--	--			0
MW-8B (L2447890-09)	118	101	--	--			0
MW-8C2 (L2447890-10)	120	104	--	--			0
MW-9B (L2447890-11)	130	111	--	--			0
DUP (L2447890-12)	138	116	--	--			0
FIELD BLANK (L2447890-13)	134	114	--	--			0
WG1963640-1BLANK	113	97	--	--			0
WG1963640-2LCS	110	111	--	--			0
WG1963640-3LCSD	109	109	--	--			0
MW-6BMS	107	135	--	--			0
MW-6BMSD	114	134	--	--			0
WG1964244-1BLANK	105	97	--	--			0
WG1964244-2LCS	109	161*	--	--			1
WG1964244-3LCSD	107	142	--	--			0

QC LIMITS
(30-150) S1 = DCAA

*** Values outside of QC limits**

FORM II HERB-APA

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963640-2	**Analysis Date** : 08/27/24 08:31	**File ID** : 17240827a-03
LCSD Sample ID	: WG1963640-3	**Analysis Date** : 08/27/24 08:49	**File ID** : 17240827a-04

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	5	6.52	130	5	6.26	125	4	30-150	25
2,4,5-T	5	7.00	140	5	6.54	131	7	30-150	25
2,4,5-TP (Silvex)	5	6.49	130	5	6.11	122	6	30-150	25

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964244-2	**Analysis Date** : 08/28/24 12:59	**File ID** : 22240827a-73
LCSD Sample ID	: WG1964244-3	**Analysis Date** : 08/28/24 13:17	**File ID** : 22240827a-74

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	5	6.03	121	5	6.04	121	0	30-150	25
2,4,5-T	5	6.08	122	5	6.07	121	1	30-150	25
2,4,5-TP (Silvex)	5	5.71	114	5	5.96	119	4	30-150	25

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447890-03	**Analysis Date**	: 08/28/24 13:02
Matrix Spike	: WG1963640-4	**MS Analysis Date**	: 08/28/24 13:21
Matrix Spike Dup	: WG1963640-5	**MSD Analysis Date**	: 08/28/24 13:39

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	ND	5	6.44J	129	5	6.52J	130	1	30-150	25
2,4,5-T	ND	5	6.68	134	5	6.71	134	0	30-150	25
2,4,5-TP (Silvex)	ND	5	6.14	123	5	6.29	126	2	30-150	25

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1963640-1	**Lab File ID**	: 17240827a-02
Matrix	: WATER	**Extraction Date**	: 08/25/24
Analysis Date (1)	: 08/27/24 08:13	**Analysis Date (2)**	: 08/27/24 08:13
Instrument ID (1)	: PEST17	**Instrument ID (2)**	: PEST17

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1963640-2LCS	WG1963640-2	08/27/24 08:31	08/27/24 08:31
WG1963640-3LCSD	WG1963640-3	08/27/24 08:49	08/27/24 08:49
MW-8B	L2447890-09	08/27/24 13:07	08/27/24 13:07
MW-8C2	L2447890-10	08/27/24 13:25	08/27/24 13:25
MW-3A	L2447890-01	08/28/24 12:25	08/28/24 12:25
MW-6A	L2447890-02	08/28/24 12:44	08/28/24 12:44
MW-6B	L2447890-03	08/28/24 13:02	08/28/24 13:02
MW-6BMS	WG1963640-4	08/28/24 13:21	08/28/24 13:21
MW-6BMSD	WG1963640-5	08/28/24 13:39	08/28/24 13:39
MW-6C	L2447890-04	08/28/24 15:29	08/28/24 15:29
MW-7A	L2447890-05	08/28/24 16:06	08/28/24 16:06
MW-7B	L2447890-06	08/28/24 16:25	08/28/24 16:25
MW-7C	L2447890-07	08/28/24 16:43	08/28/24 16:43
MW-8A	L2447890-08	08/28/24 17:02	08/28/24 17:02

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1964244-1	**Lab File ID**	: 22240827a-72
Matrix	: WATER	**Extraction Date**	: 08/27/24
Analysis Date (1)	: 08/28/24 12:40	**Analysis Date (2)**	: 08/28/24 12:40
Instrument ID (1)	: PEST22	**Instrument ID (2)**	: PEST22

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
MW-9B	L2447890-11	08/28/24 11:30	08/28/24 11:30
DUP	L2447890-12	08/28/24 11:48	08/28/24 11:48
FIELD BLANK	L2447890-13	08/28/24 12:07	08/28/24 12:07
WG1964244-2LCS	WG1964244-2	08/28/24 12:59	08/28/24 12:59
WG1964244-3LCSD	WG1964244-3	08/28/24 13:17	08/28/24 13:17

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST22	**Initial Calib. Date(s)**	: 07/16/24 07/16/24

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1853708-1	07/16/24 15:28
Herbicides L2	R1853708-2	07/16/24 15:47
Herbicides L3	R1853708-3	07/16/24 16:06
Herbicides L4	R1853708-4	07/16/24 16:24
Herbicides L5	R1853708-5	07/16/24 16:43
Herbicides L6	R1853708-6	07/16/24 17:01
R1853708-7 ICV	R1853708-7	07/16/24 17:20
WG1964358-6 CCAL	WG1964358-6	08/28/24 10:49
WG1964244-1 BLANK	WG1964244-1	08/28/24 12:40
WG1964244-2 LCS	WG1964244-2	08/28/24 12:59
WG1964244-3 LCSD	WG1964244-3	08/28/24 13:17

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Initial Calib. Date(s)**	: 07/12/24 07/12/24

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1852944-1	07/12/24 14:41
Herbicides L2	R1852944-2	07/12/24 14:59
Herbicides L3	R1852944-3	07/12/24 15:18
Herbicides L4	R1852944-4	07/12/24 15:36
Herbicides L5	R1852944-5	07/12/24 15:54
Herbicides L6	R1852944-6	07/12/24 16:13
R1852944-7 ICV	R1852944-7	07/12/24 16:31
WG1964271-1 CCAL	WG1964271-1	08/27/24 06:09
WG1963640-1 BLANK	WG1963640-1	08/27/24 08:13
WG1963640-2 LCS	WG1963640-2	08/27/24 08:31
WG1963640-3 LCSD	WG1963640-3	08/27/24 08:49
WG1964271-2 CCAL	WG1964271-2	08/27/24 12:49
MW-8B	L2447890-09	08/27/24 13:07
MW-8C2	L2447890-10	08/27/24 13:25
WG1964814-1 CCAL	WG1964814-1	08/28/24 06:33
MW-9B	L2447890-11	08/28/24 11:30
DUP	L2447890-12	08/28/24 11:48
FIELD BLANK	L2447890-13	08/28/24 12:07
MW-3A	L2447890-01	08/28/24 12:25
MW-6A	L2447890-02	08/28/24 12:44
MW-6B	L2447890-03	08/28/24 13:02
MW-6B MS	WG1963640-4	08/28/24 13:21
MW-6B MSD	WG1963640-5	08/28/24 13:39
MW-6C	L2447890-04	08/28/24 15:29
WG1964814-2 CCAL	WG1964814-2	08/28/24 15:48
MW-7A	L2447890-05	08/28/24 16:06
MW-7B	L2447890-06	08/28/24 16:25
MW-7C	L2447890-07	08/28/24 16:43
MW-8A	L2447890-08	08/28/24 17:02

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14024-1
Page: 1

Herbicides -EPA 8151A Long List (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	500	58.5	ug/l	30-150	25	30-150	25	25			
MCPA	94-74-6	500	63.2	ug/l	30-150	25	30-150	25	25			
Dalapon	75-99-0	20	0.81	ug/l	30-150	25	30-150	25	25			
Dicamba	1918-00-9	1	0.243	ug/l	30-150	25	30-150	25	25			
Dichloroprop	120-36-5	10	0.564	ug/l	30-150	25	30-150	25	25			
2,4-D	94-75-7	10	0.498	ug/l	30-150	25	30-150	25	25			
2,4-DB	94-82-6	10	0.729	ug/l	30-150	25	30-150	25	25			
2,4,5-T	93-76-5	2	0.531	ug/l	30-150	25	30-150	25	25			
2,4,5-TP (Silvex)	93-72-1	2	0.539	ug/l	30-150	25	30-150	25	25			
Dinoseb	88-85-7	5	0.573	ug/l	30-150	25	30-150	25	25			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Herbicides -EPA 8151A Long List (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	3.33	1.04895	mg/kg	30-150	30	30-150	30	30			
MCPA	94-74-6	3.33	0.94239	mg/kg	30-150	30	30-150	30	30			
Dalapon	75-99-0	0.0333	0.0108891	mg/kg	30-150	30	30-150	30	30			
Dicamba	1918-00-9	0.0333	0.0055944	mg/kg	30-150	30	30-150	30	30			
Dichloroprop	120-36-5	0.0333	0.0095571	mg/kg	30-150	30	30-150	30	30			
2,4-D	94-75-7	0.1665	0.0104895	mg/kg	30-150	30	30-150	30	30			
2,4-DB	94-82-6	0.1665	0.0085581	mg/kg	30-150	30	30-150	30	30			
2,4,5-T	93-76-5	0.1665	0.0051615	mg/kg	30-150	30	30-150	30	30			
2,4,5-TP (Silvex)	93-72-1	0.1665	0.0044289	mg/kg	30-150	30	30-150	30	30			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Herbicide Sample Data

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:25
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-07	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:44
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-08	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 13:02
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-09	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-04	**Date Collected**	: 08/20/24 17:55
Client ID	: MW-6C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:29
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-17	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-05	**Date Collected**	: 08/20/24 16:30
Client ID	: MW-7A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 16:06
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-19	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-06	**Date Collected**	: 08/21/24 09:20
Client ID	: MW-7B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 16:25
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-20	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-07	**Date Collected**	: 08/21/24 10:50
Client ID	: MW-7C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 16:43
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-21	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-08	**Date Collected**	: 08/21/24 13:05
Client ID	: MW-8A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 17:02
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-22	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-09	**Date Collected**	: 08/21/24 14:35
Client ID	: MW-8B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/27/24 13:07
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-18	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-10	**Date Collected**	: 08/21/24 13:40
Client ID	: MW-8C2	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/27/24 13:25
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-19	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 11:30
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-04	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 11:48
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-05	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:07
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240828a-06	**Analyst**	: MMG
Sample Amount	: 800 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	12.5	0.622	U
93-76-5	2,4,5-T	ND	2.50	0.664	U
93-72-1	2,4,5-TP (Silvex)	ND	2.50	0.674	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1963640-1	**Date Collected**	: NA
Client ID	: WG1963640-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 08:13
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-02	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964244-1	**Date Collected**	: NA
Client ID	: WG1964244-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 12:40
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240827a-72	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 13:07
Operator : PEST17:jag
Sample : L2447890-09,42,,
Misc : wg1964271,WG1963640,ical21289 (Sig #1); wg1964271,WG1963501,ical21289 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 20:22:32 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-17.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.416	8.400	503.5E6	479.7E6	0.250	0.250M4
	Standard Area 1 : #1 = 687685462				Recovery =	73.21%	
	Standard Area 1 : #2 = 654144155				Recovery =	73.33%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.321	195.2E6	196.8E6	0.590M4	0.503M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	118.00%	100.60%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

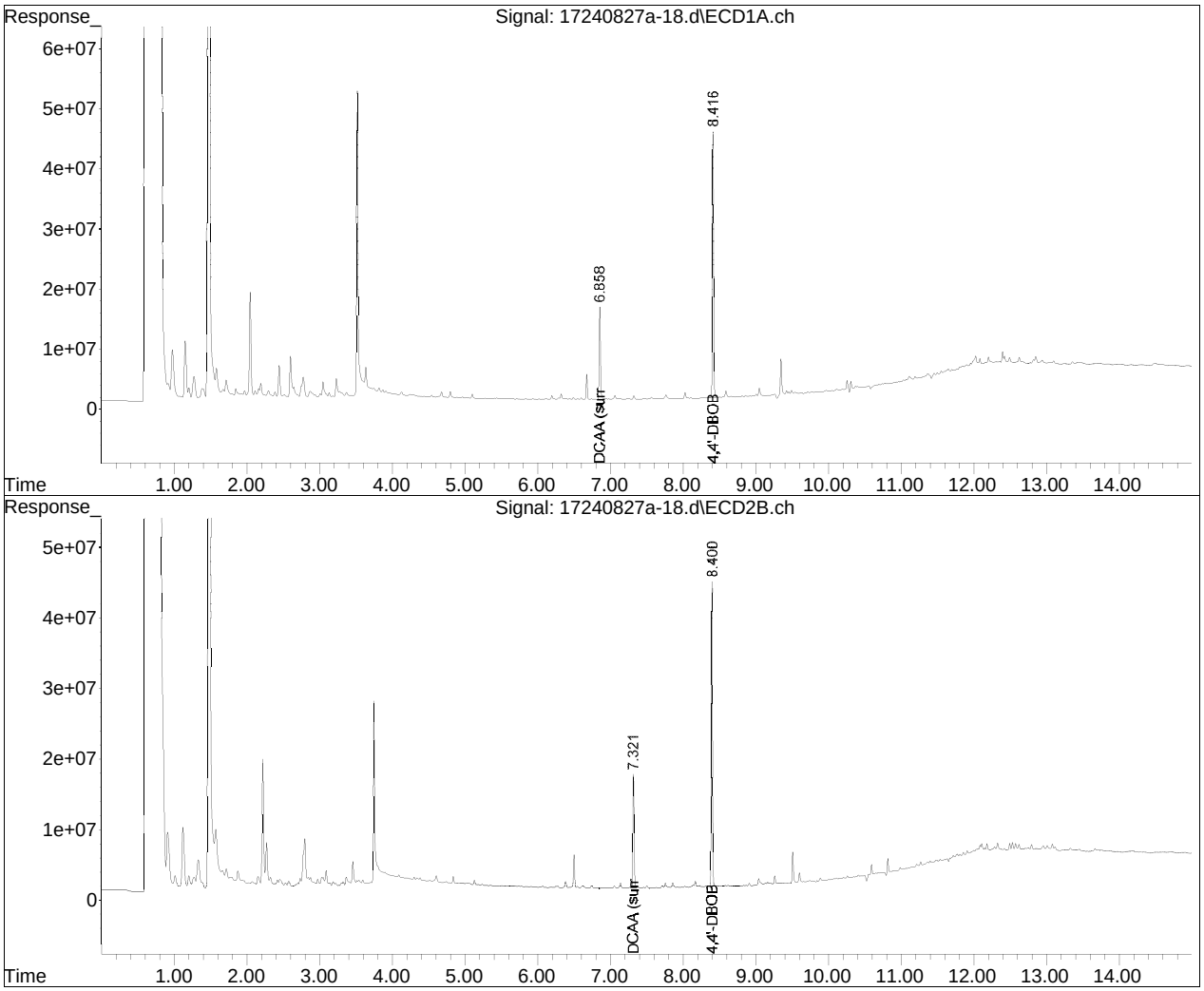
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-17.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 13:07
Operator : PEST17:jag
Sample : L2447890-09,42,,
Misc : wg1964271,WG1963640,ical21289 (Sig #1); wg1964271,WG1963501,ical21
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 20:22:32 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

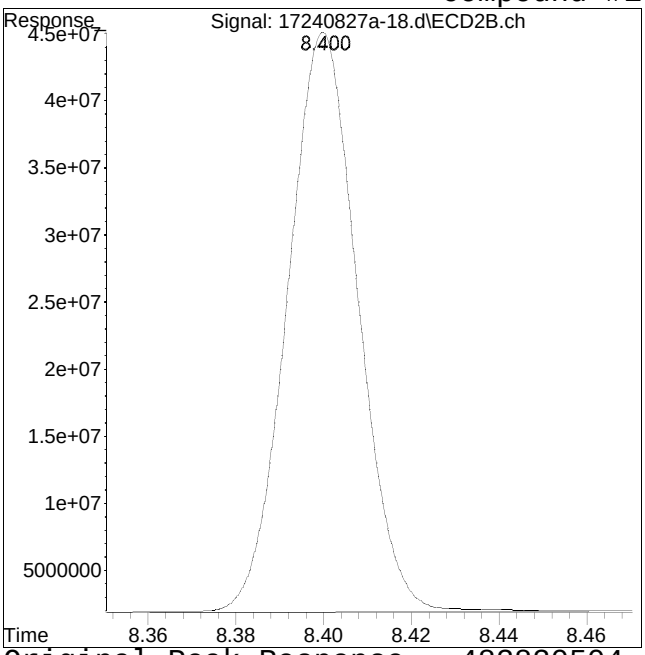
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

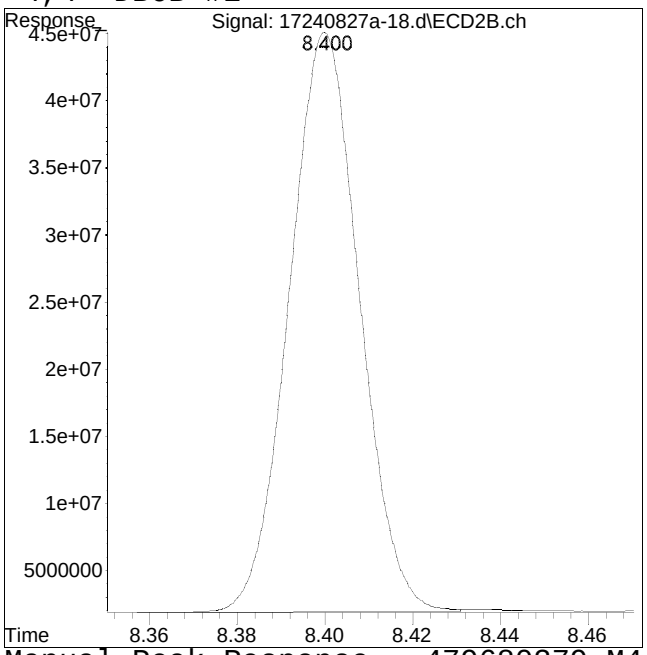


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-18.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:07 Instrument : Pest 17
Sample : L2447890-09,42,, Quant Date : 8/27/2024 8:22 pm

Compound #14: 4,4'-DBOB #2



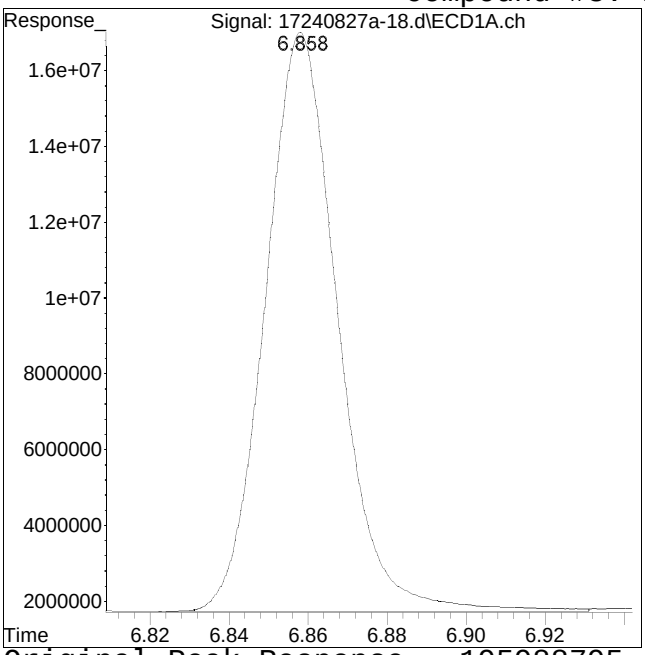


Original Peak Response = 483830504 Manual Peak Response = 479680379 M4
M4 = Poor automated baseline construction.

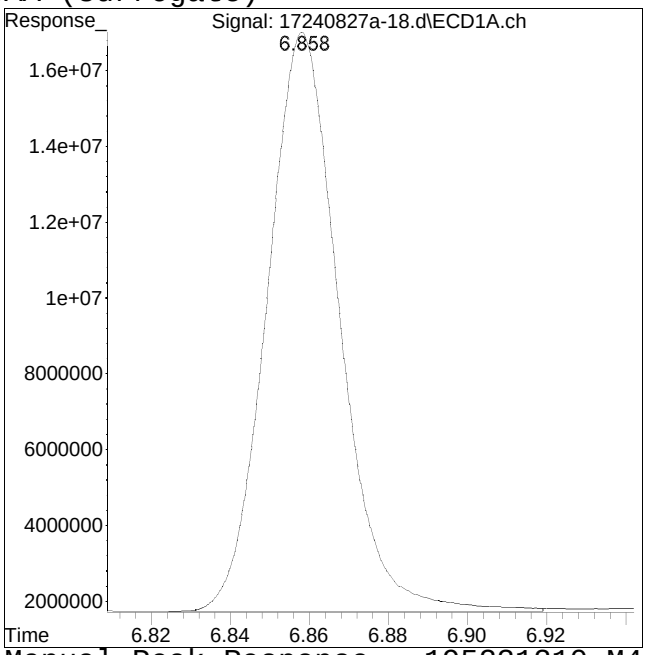
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-18.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:07 Instrument : Pest 17
Sample : L2447890-09,42,, Quant Date : 8/27/2024 8:22 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 195988795



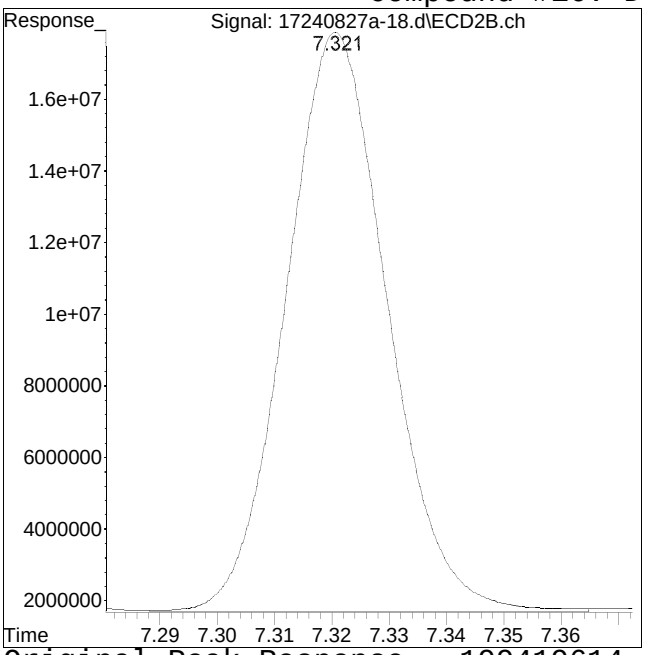
Manual Peak Response = 195231210 M4

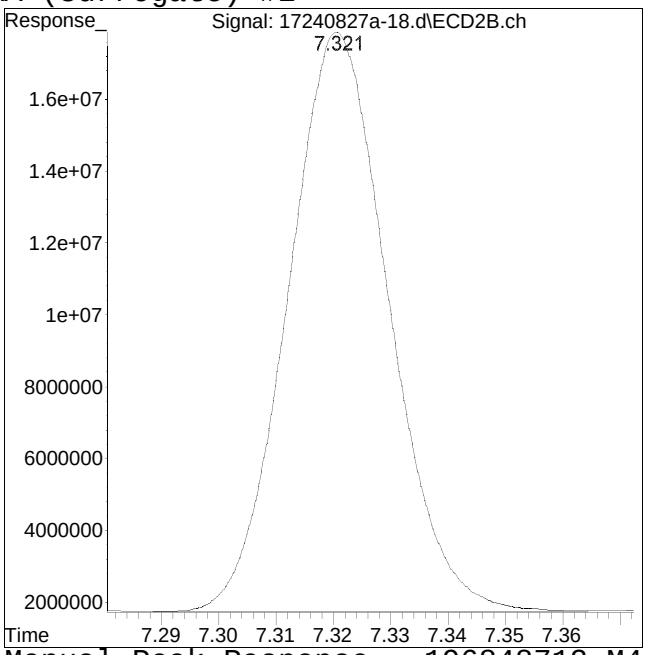
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-18.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:07 Instrument : Pest 17
Sample : L2447890-09,42,, Quant Date : 8/27/2024 8:22 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 199419614 Manual Peak Response = 196848712 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 13:25
Operator : PEST17:jag
Sample : L2447890-10,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 20:22:34 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-17.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.400	486.0E6	463.8E6	0.250M4	0.250M3
Standard Area 1 : #1 = 687685462				Recovery =	70.68%	
Standard Area 1 : #2 = 654144155				Recovery =	70.90%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.321	191.7E6	196.3E6	0.601M3	0.519M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	120.20%	103.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

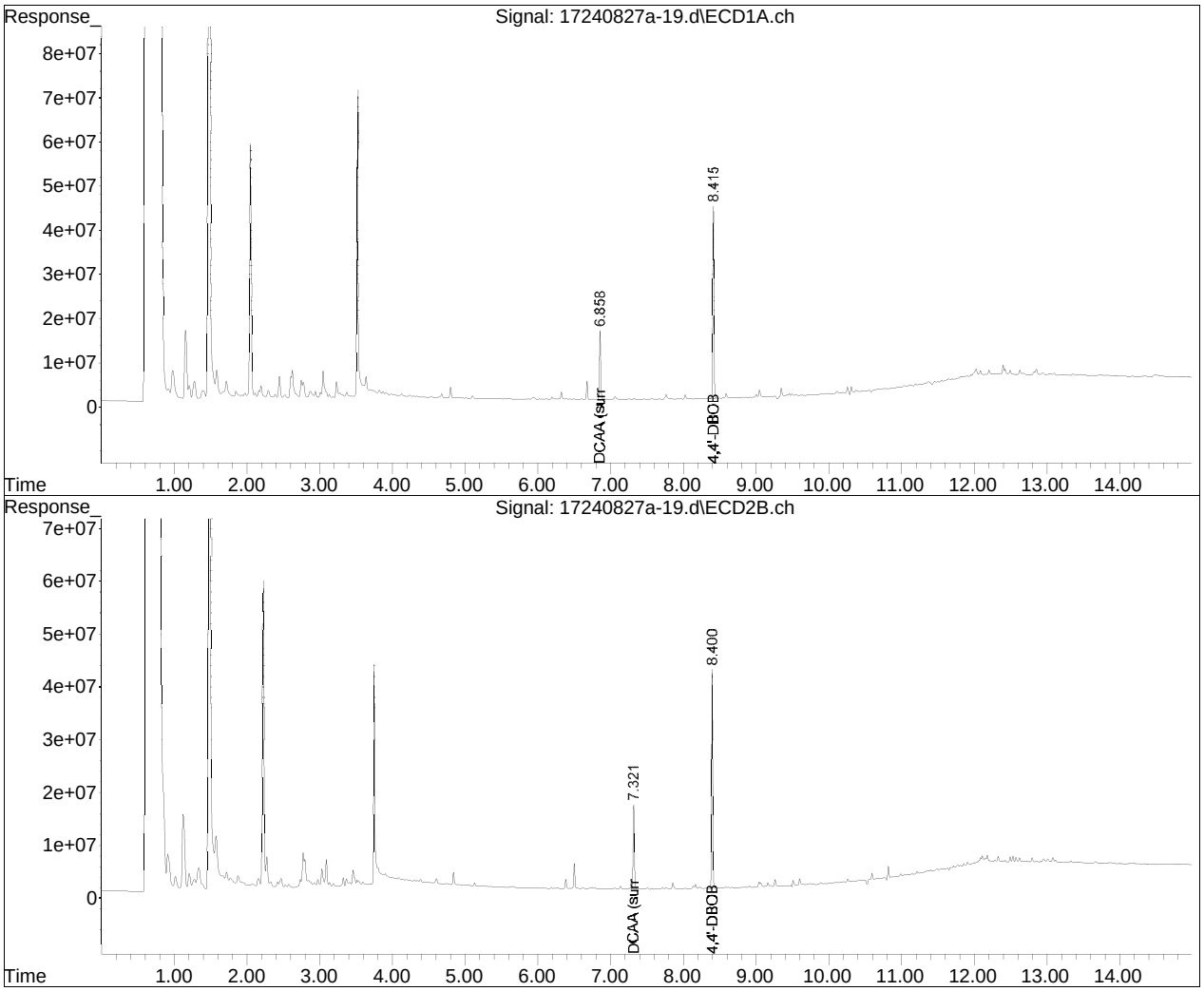
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-17.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 13:25
Operator : PEST17:jag
Sample : L2447890-10,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 20:22:34 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

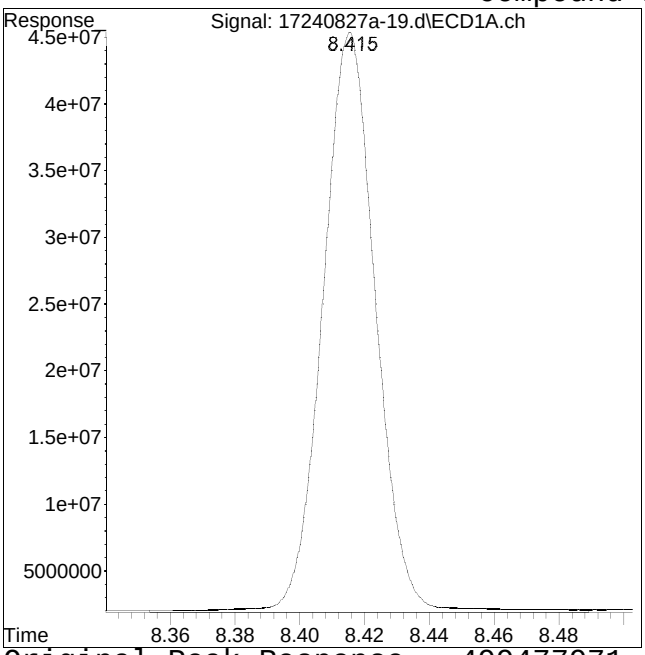
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



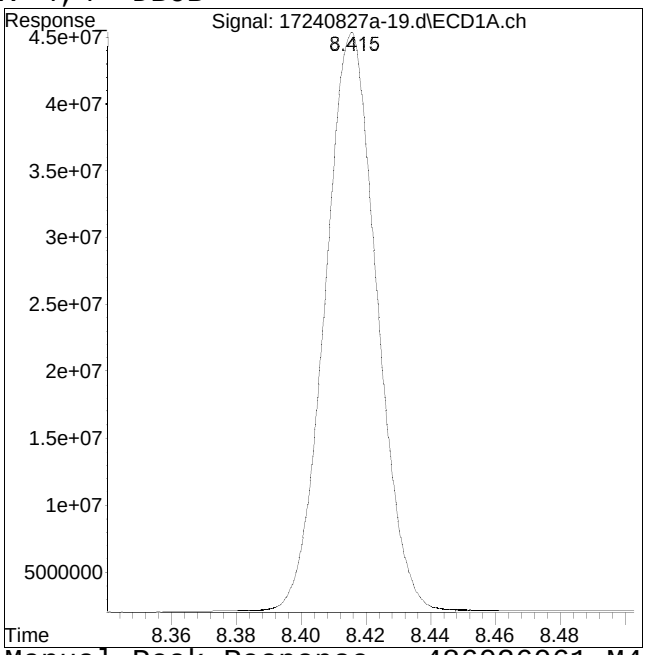
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-19.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:25 Instrument : Pest 17
Sample : L2447890-10,42,, Quant Date : 8/27/2024 8:22 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 499477971



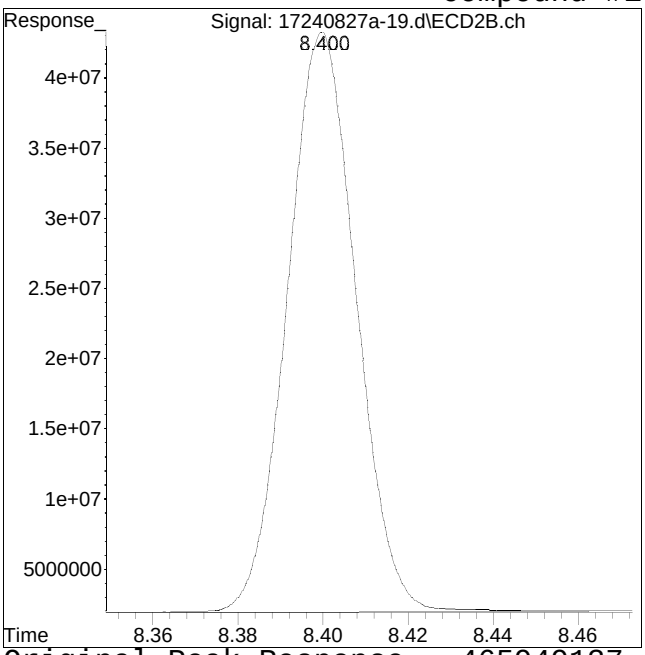
Manual Peak Response = 486026061 M4

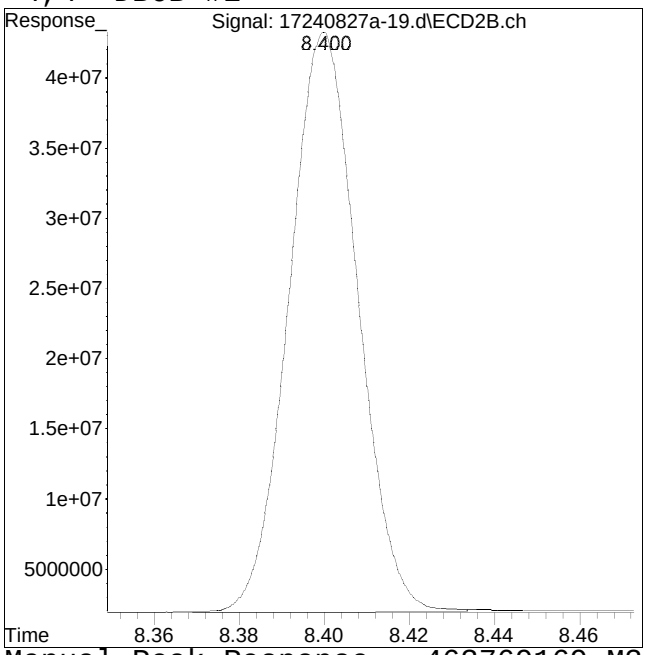
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-19.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:25 Instrument : Pest 17
Sample : L2447890-10,42,, Quant Date : 8/27/2024 8:22 pm

Compound #14: 4,4'-DBOB #2



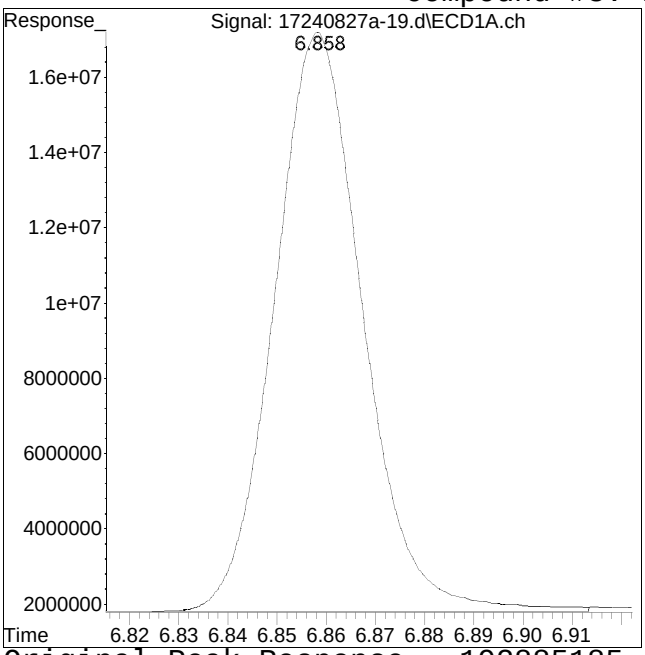


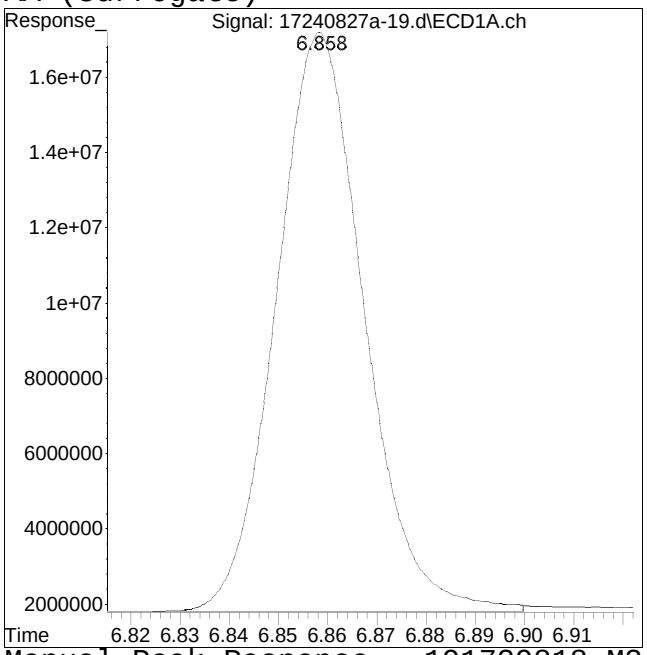
Original Peak Response = 465949137 Manual Peak Response = 463769169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-19.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:25 Instrument : Pest 17
Sample : L2447890-10,42,, Quant Date : 8/27/2024 8:22 pm

Compound #3: DCAA (surrogate)



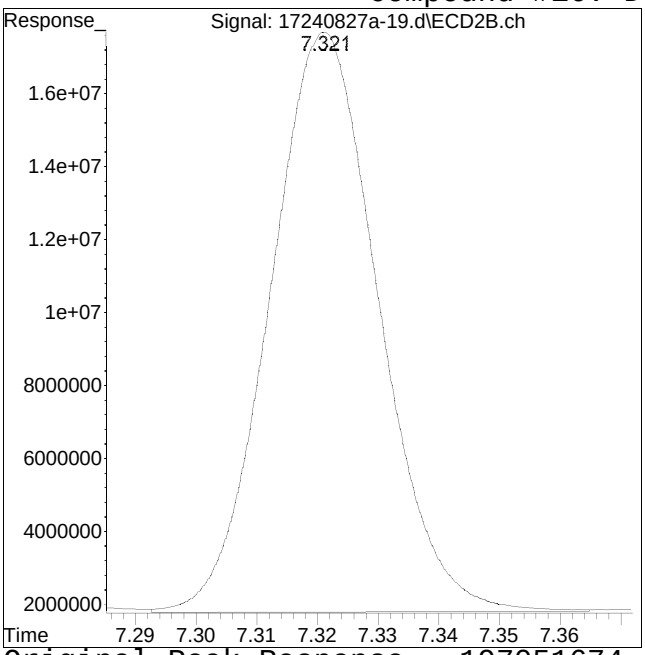


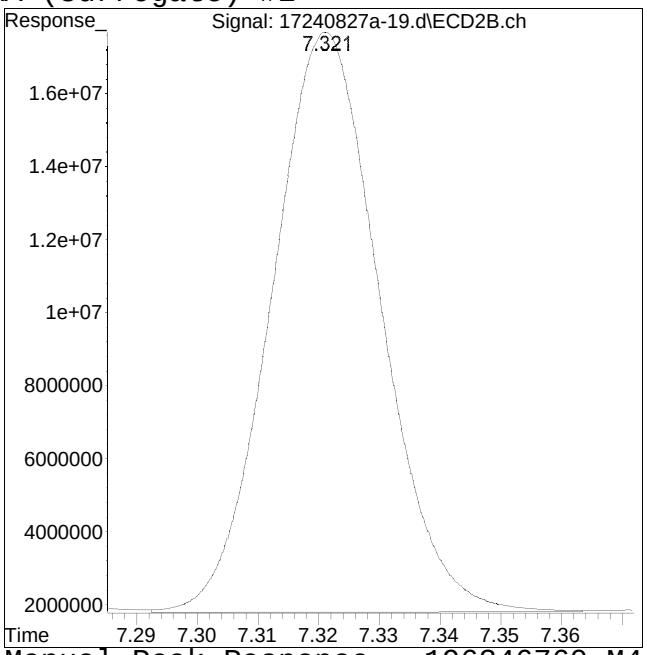
Original Peak Response = 192885185 Manual Peak Response = 191729818 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-19.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 13:25 Instrument : Pest 17
Sample : L2447890-10,42,, Quant Date : 8/27/2024 8:22 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 197051674 Manual Peak Response = 196346760 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 11:30
Operator : PEST17:mmg
Sample : L2447890-11,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:25 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	527.4E6	504.2E6	0.250M3	0.250M3
Standard Area 1 : #1 = 663419847				Recovery =	79.49%	
Standard Area 1 : #2 = 625217248				Recovery =	80.65%	
System Monitoring Compounds						
3) s DCAA (surrog	6.859	7.320	225.5E6	227.5E6	0.651	0.553M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	130.20%	110.60%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

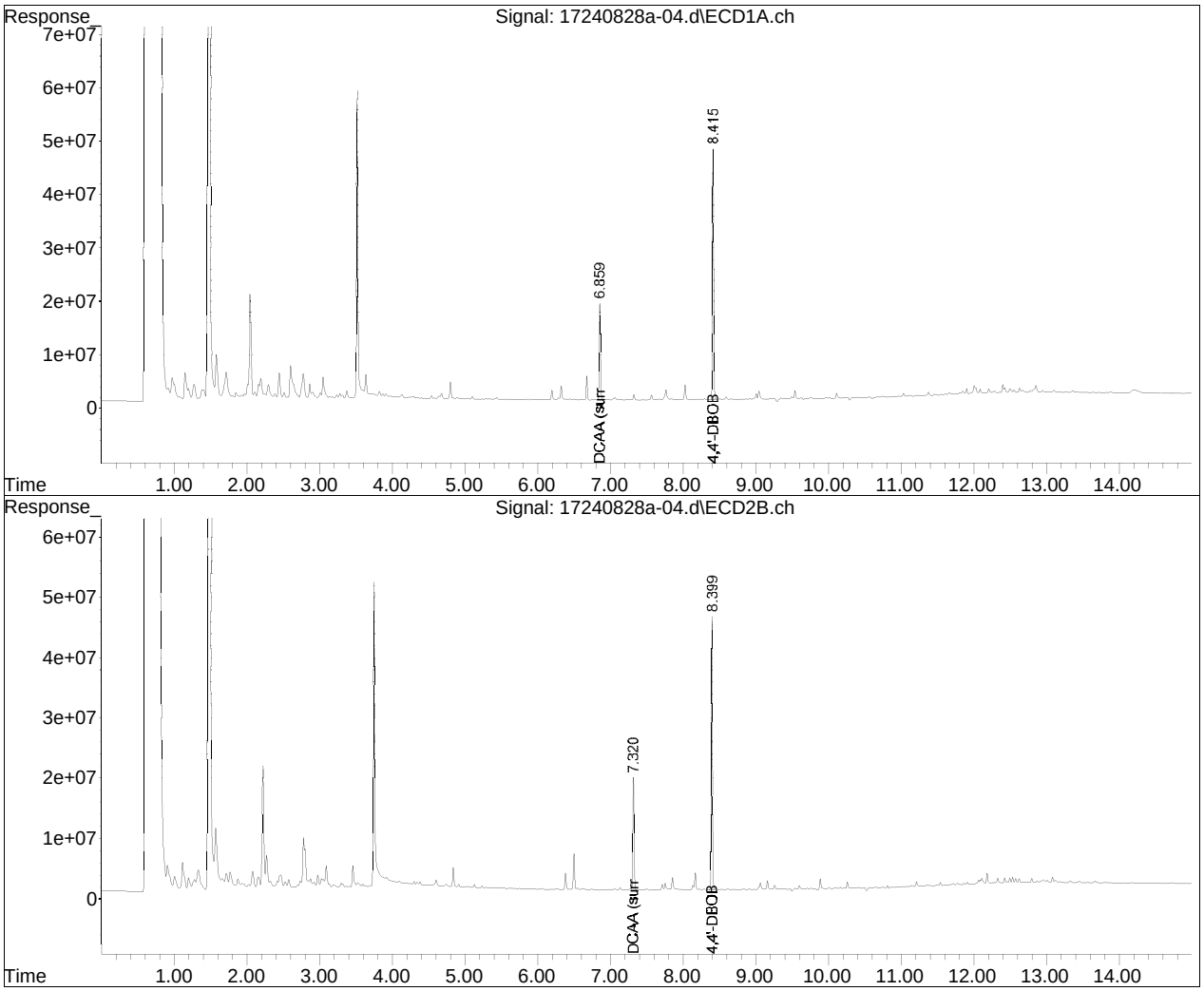
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 11:30
Operator : PEST17:mmg
Sample : L2447890-11,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:25 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

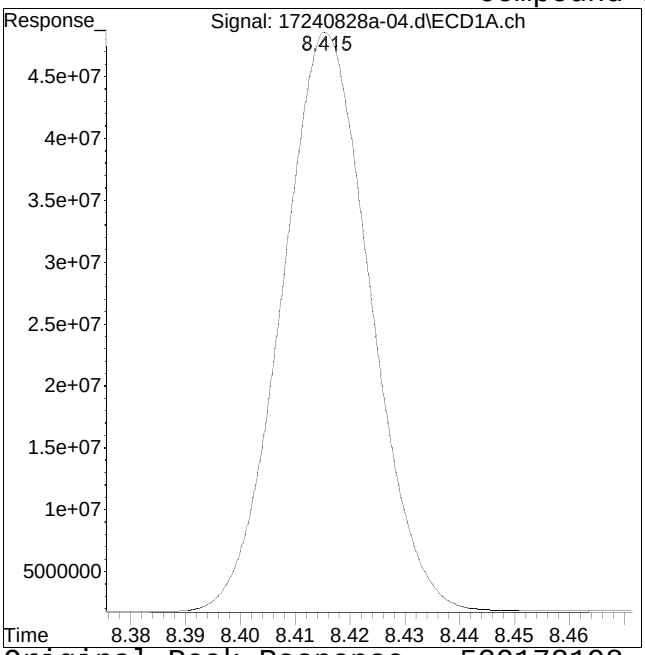
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

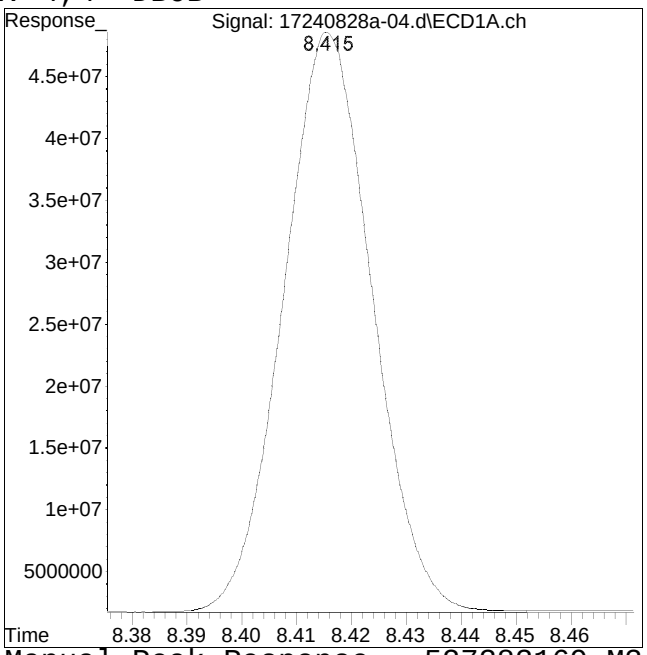


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-04.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:30 Instrument : Pest 17
Sample : L2447890-11,42,, Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



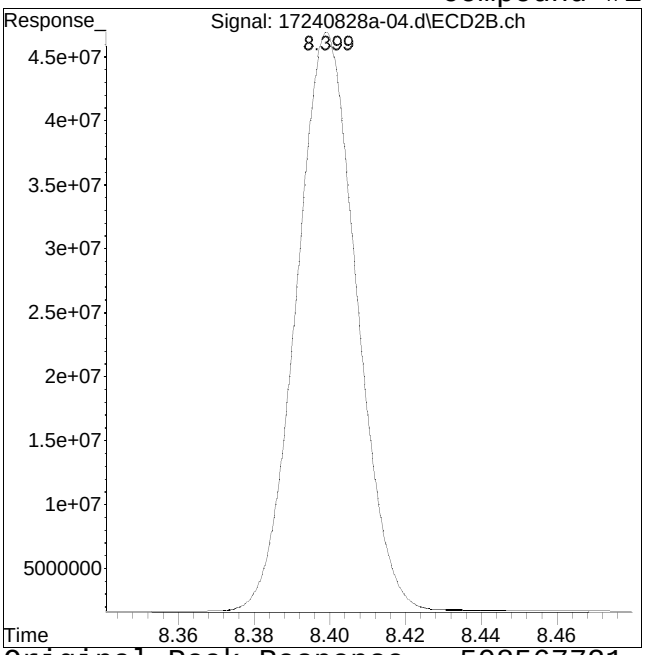


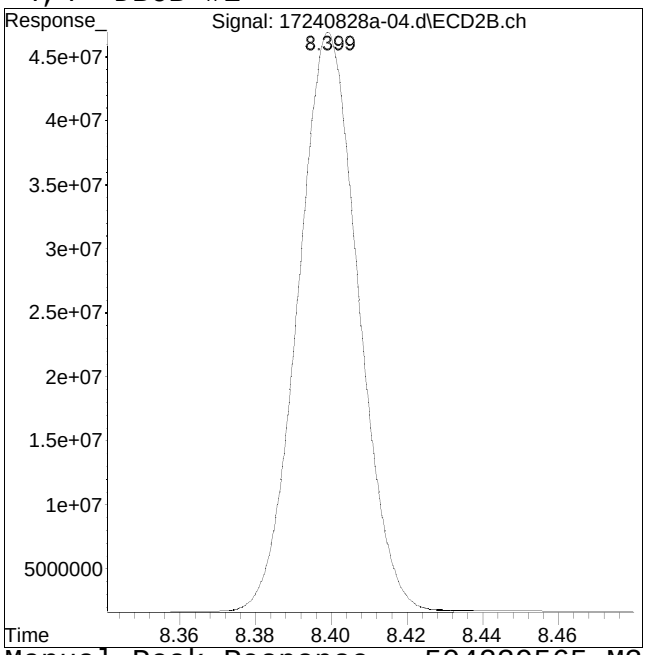
Original Peak Response = 529172198 Manual Peak Response = 527383169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-04.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:30 Instrument : Pest 17
Sample : L2447890-11,42,, Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



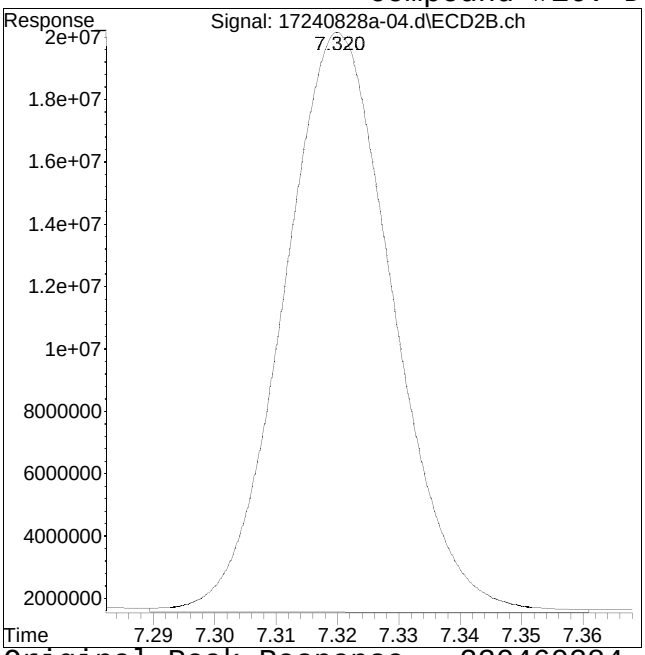


Original Peak Response = 508567721 Manual Peak Response = 504239565 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

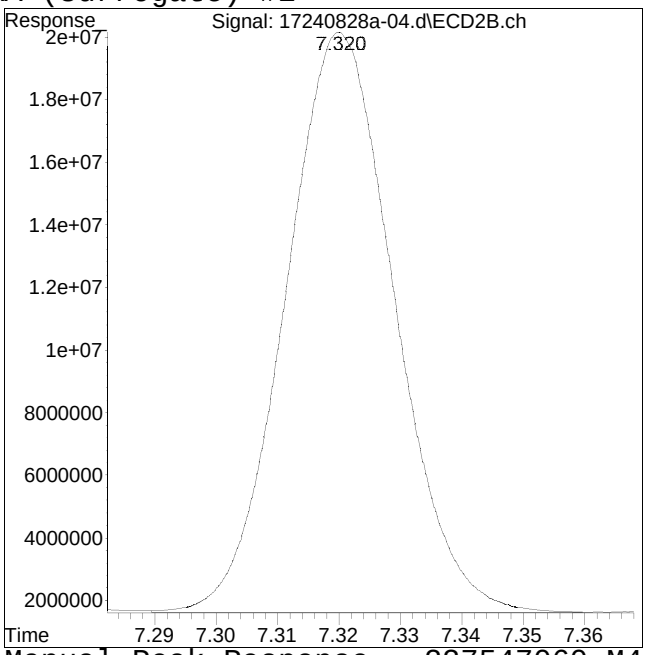
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-04.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:30 Instrument : Pest 17
Sample : L2447890-11,42,, Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 230460384



Manual Peak Response = 227547060 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 11:48
Operator : PEST17:mmg
Sample : L2447890-12,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:26 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.414	8.399	516.2E6	496.5E6	0.250M4	0.250M4
Standard Area 1 : #1 = 663419847				Recovery =	77.81%	
Standard Area 1 : #2 = 625217248				Recovery =	79.41%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	233.5E6	235.6E6	0.689M4	0.581M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	137.80%	116.20%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

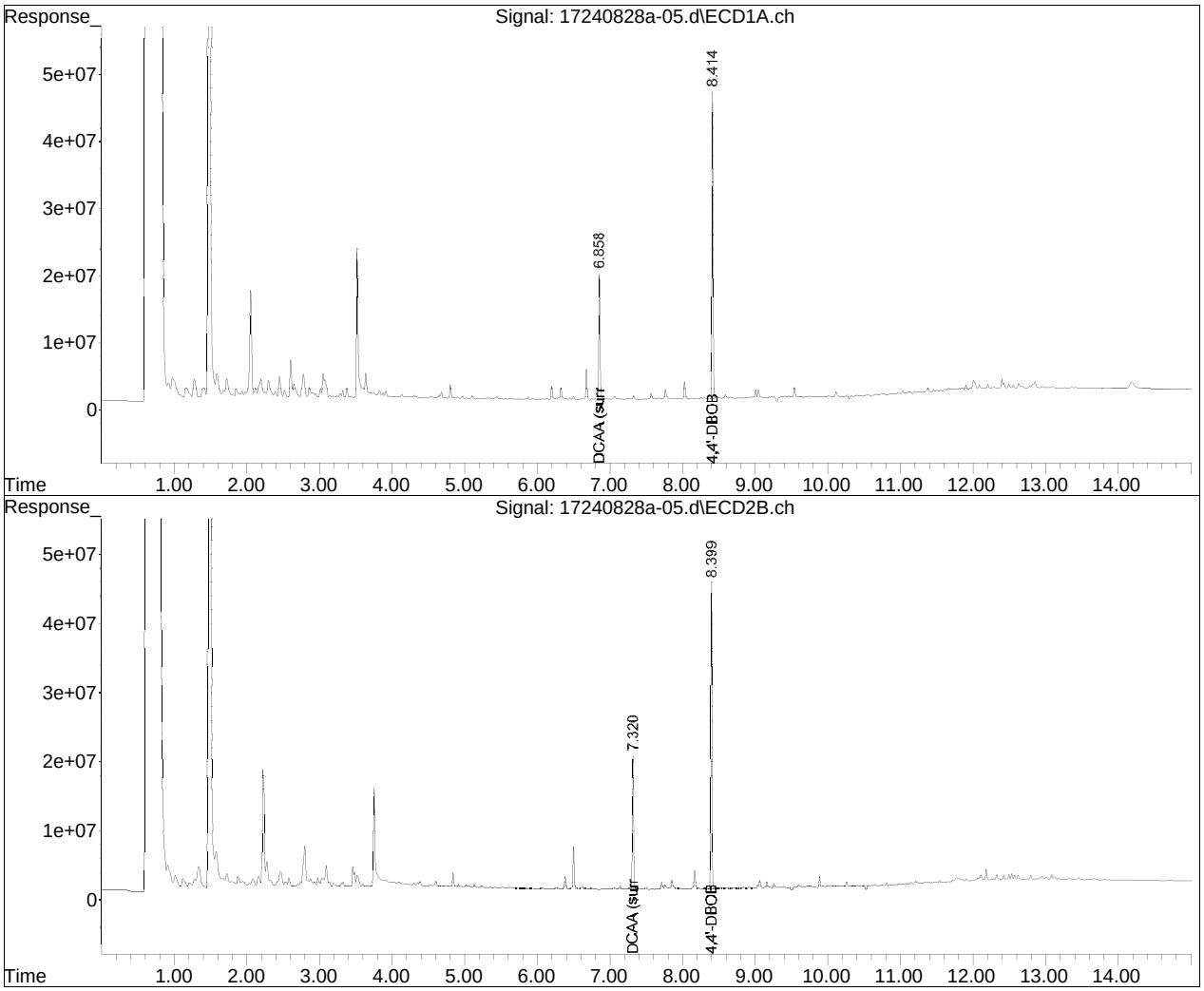
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 11:48
Operator : PEST17:mmg
Sample : L2447890-12,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:26 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

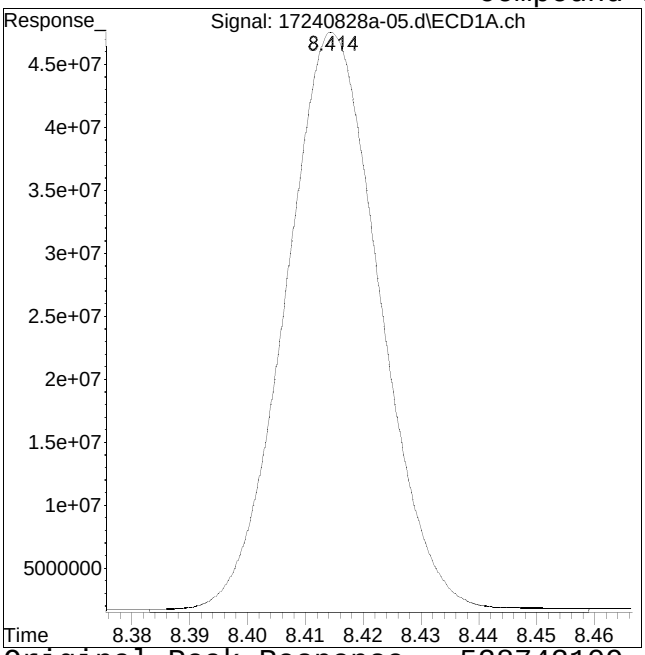
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

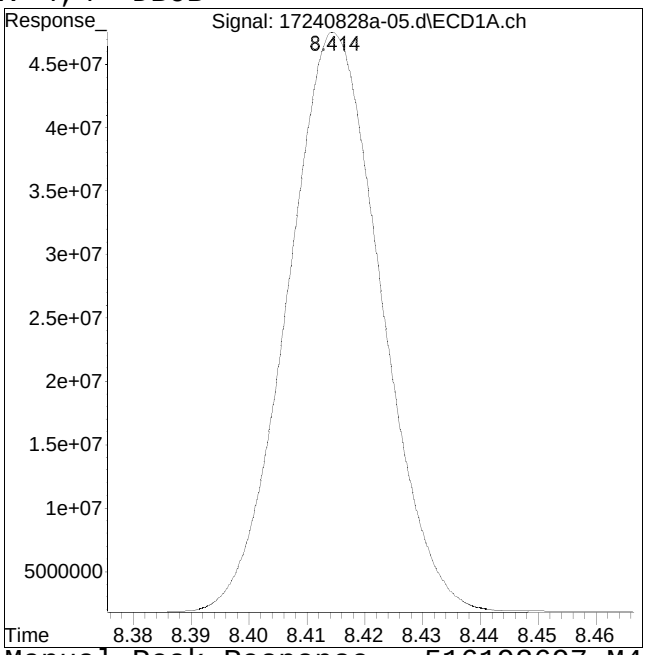


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-05.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:48 Instrument : Pest 17
Sample : L2447890-12,42,, Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



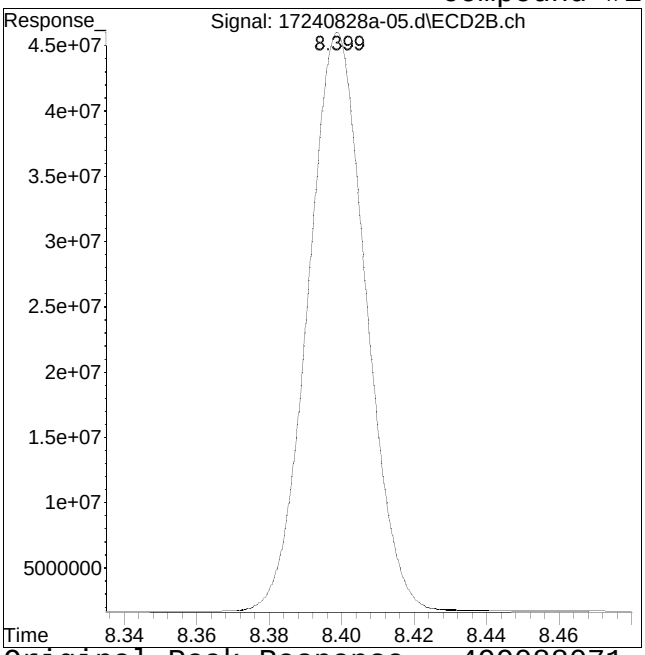


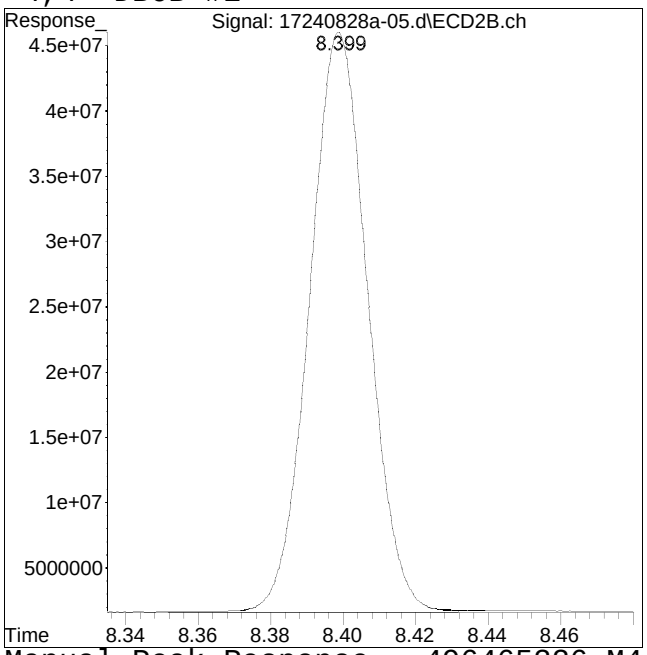
Original Peak Response = 528742109 Manual Peak Response = 516192697 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-05.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:48 Instrument : Pest 17
Sample : L2447890-12,42,, Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



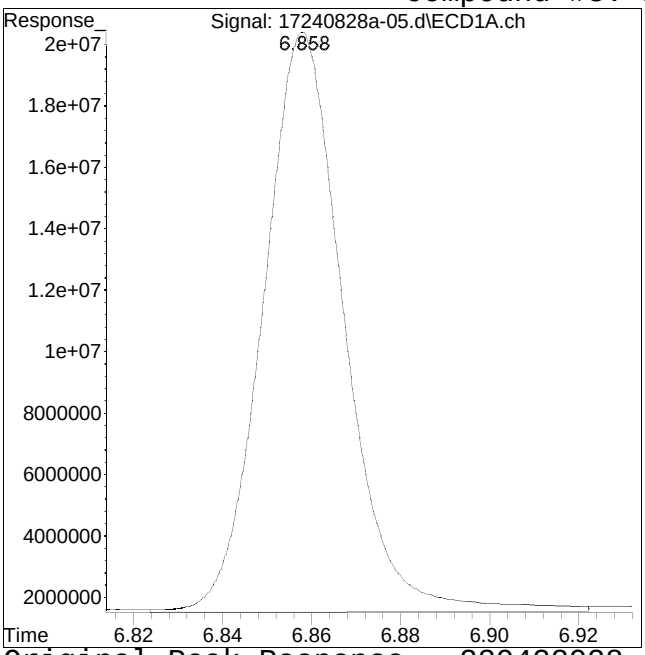


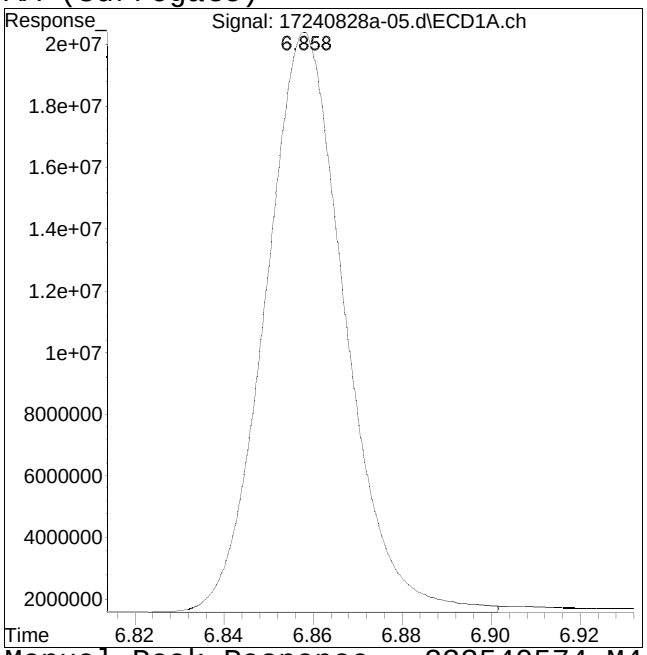
Original Peak Response = 499088071 Manual Peak Response = 496465326 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-05.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:48 Instrument : Pest 17
Sample : L2447890-12,42,, Quant Date : 8/28/2024 3:43 pm

Compound #3: DCAA (surrogate)



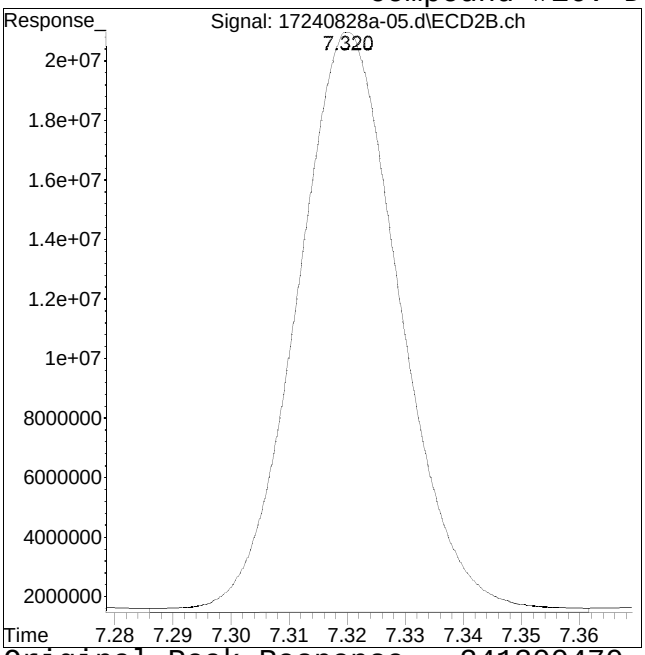


Original Peak Response = 239422928 Manual Peak Response = 233540574 M4
M4 = Poor automated baseline construction.

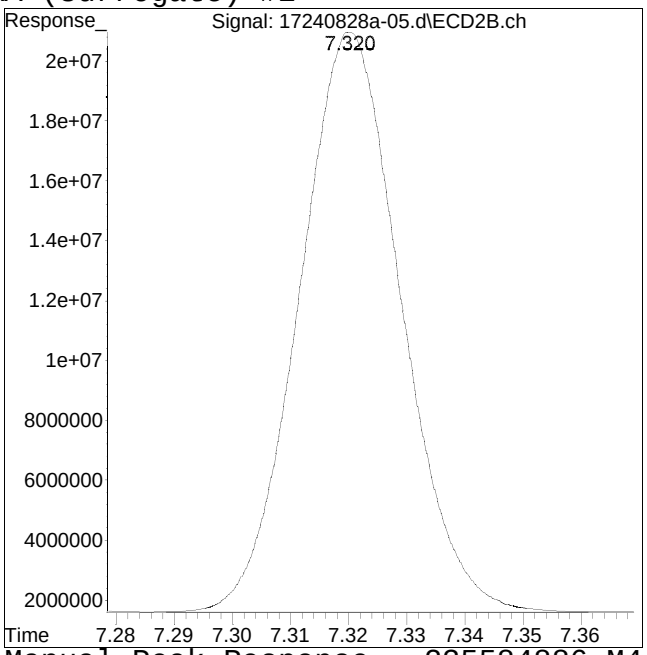
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-05.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 11:48 Instrument : Pest 17
Sample : L2447890-12,42,, Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 241300470



Manual Peak Response = 235584886 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:07
Operator : PEST17:mmg
Sample : L2447890-13,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:28 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	548.7E6	523.9E6	0.250M4	0.250M4
Standard Area 1 : #1 = 663419847				Recovery =	82.71%	
Standard Area 1 : #2 = 625217248				Recovery =	83.80%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	242.1E6	244.6E6	0.672M3	0.572M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	134.40%	114.40%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

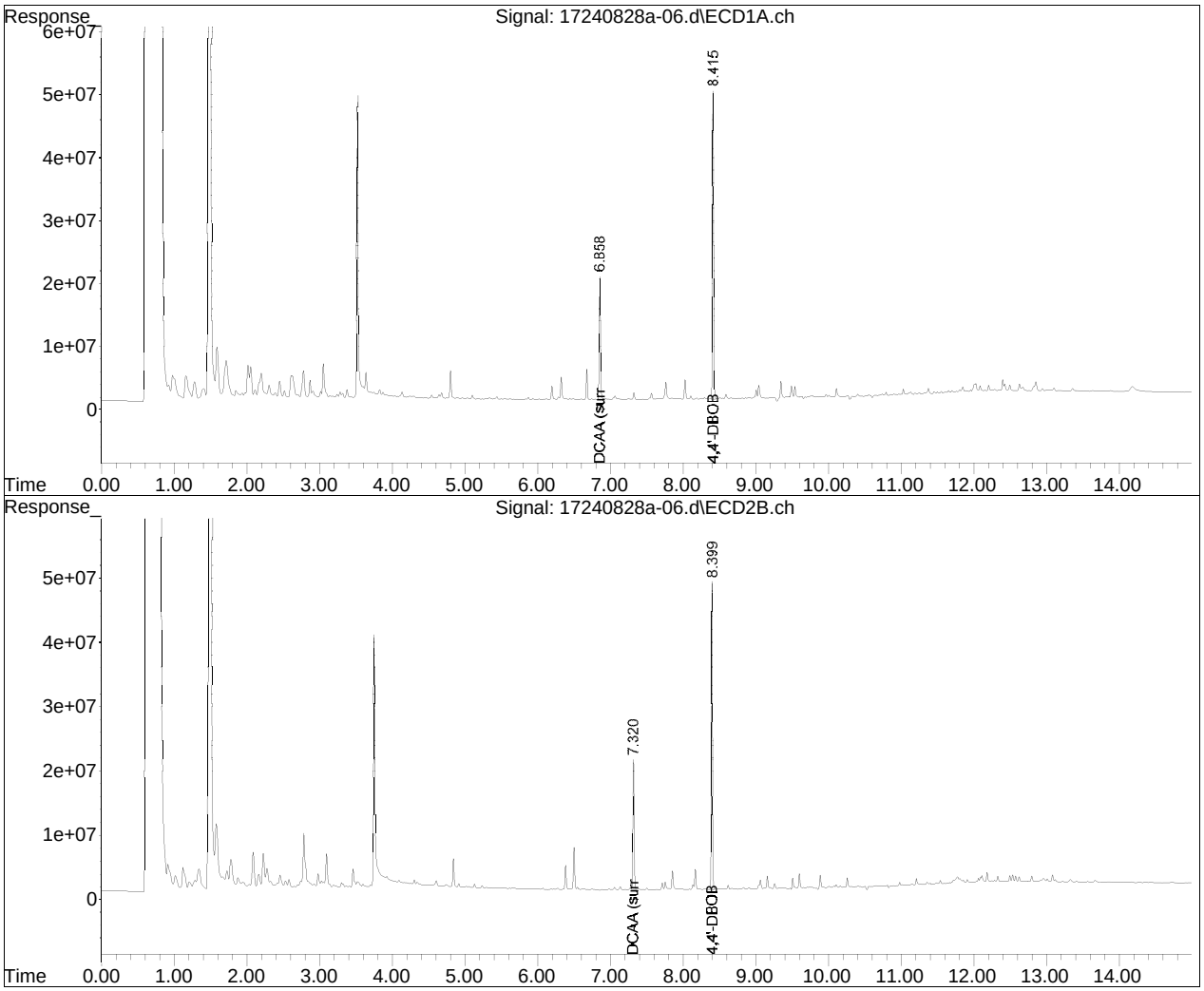
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:07
Operator : PEST17:mmg
Sample : L2447890-13,42,,
Misc : wg1964814,wg1964244,ical21289
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:28 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

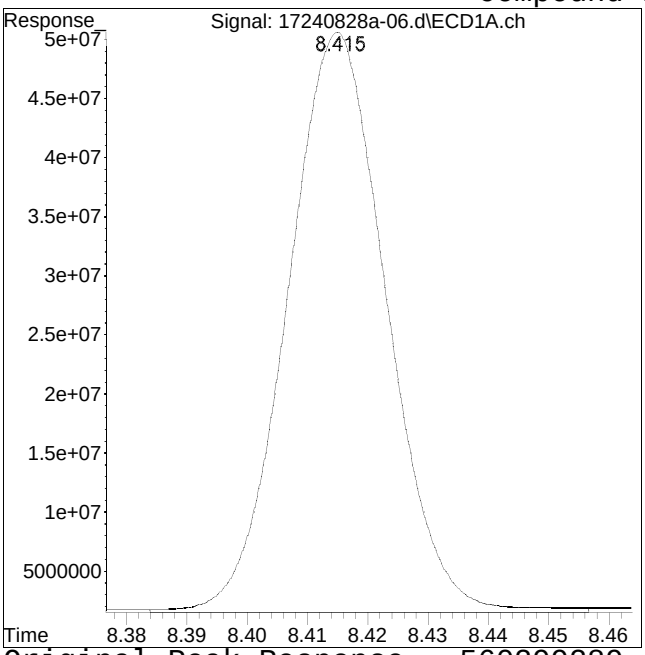
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



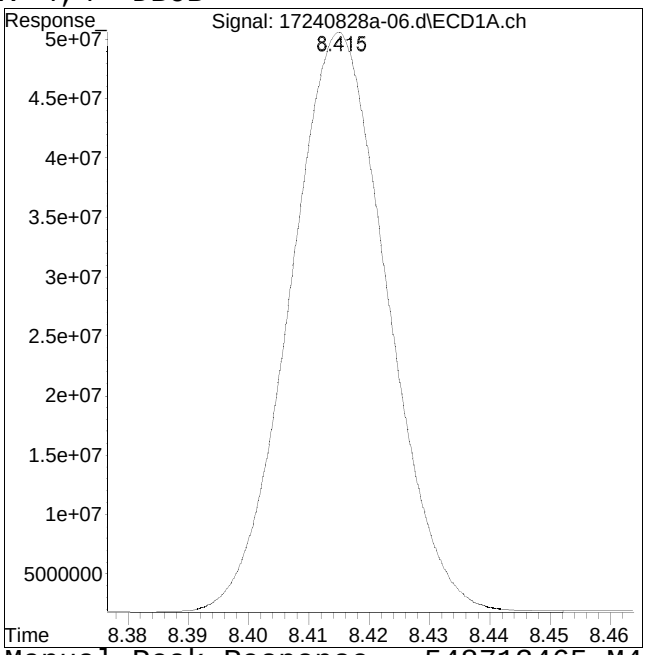
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-06.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:07 Instrument : Pest 17
Sample : L2447890-13,42,, Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 560299289



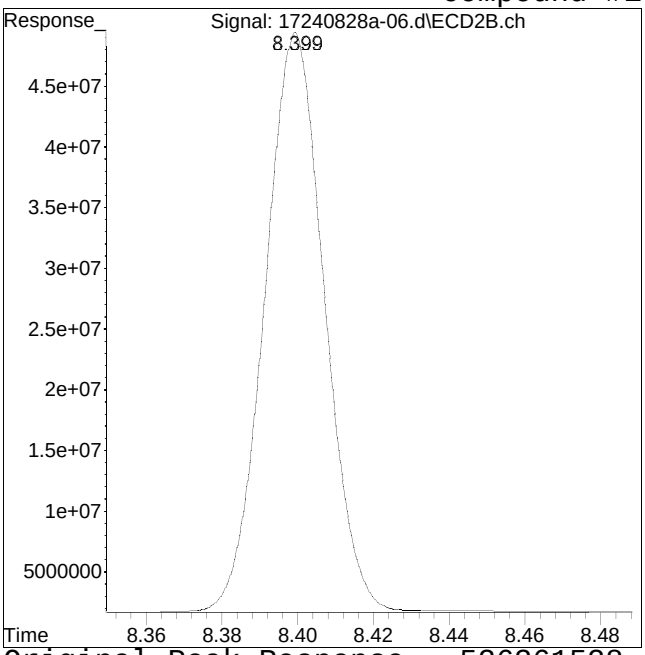
Manual Peak Response = 548713465 M4

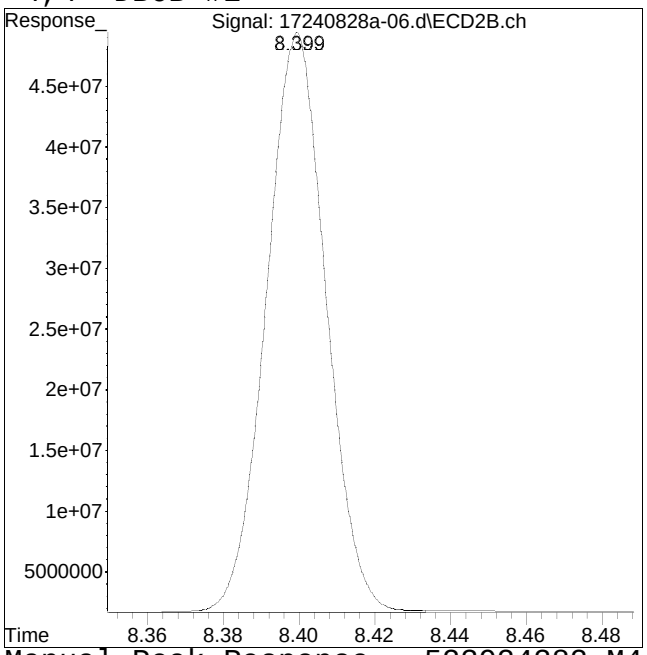
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-06.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:07 Instrument : Pest 17
Sample : L2447890-13,42,, Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



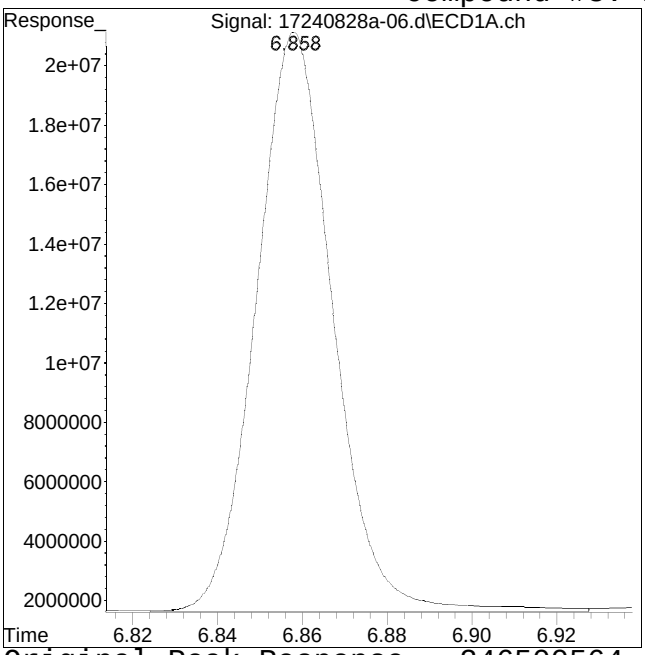


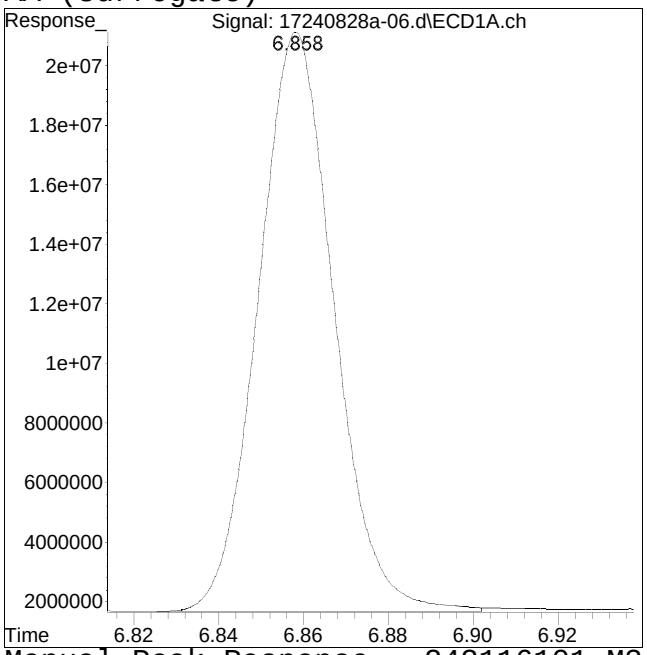
Original Peak Response = 526361528 Manual Peak Response = 523924382 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-06.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:07 Instrument : Pest 17
Sample : L2447890-13,42,, Quant Date : 8/28/2024 3:43 pm

Compound #3: DCAA (surrogate)



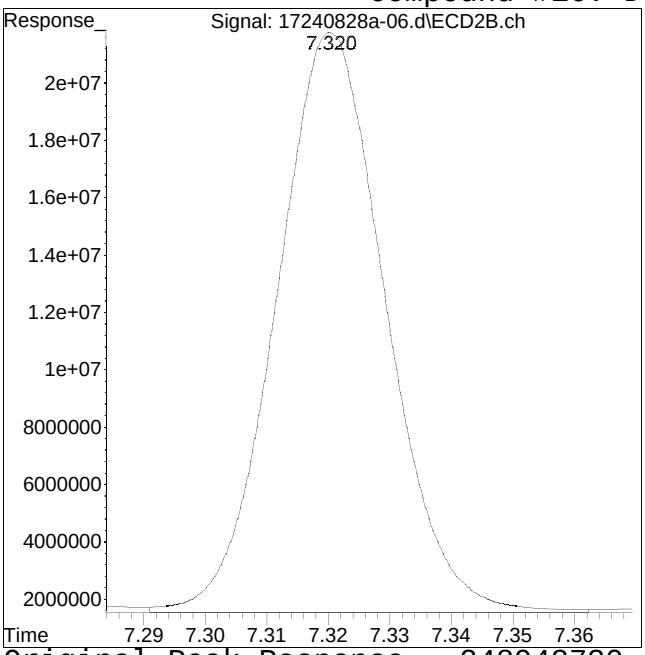


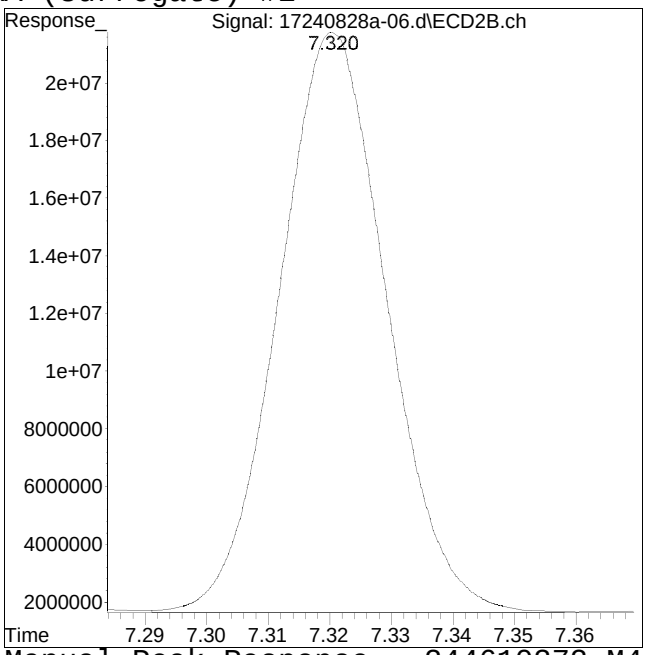
Original Peak Response = 246500564 Manual Peak Response = 242116101 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-06.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:07 Instrument : Pest 17
Sample : L2447890-13,42,, Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 248942730 Manual Peak Response = 244610372 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:25
Operator : PEST17:mmg
Sample : L2447890-01,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:29 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	535.4E6	513.3E6	0.250M4	0.250M3
Standard Area 1 : #1 = 663419847				Recovery =	80.70%	
Standard Area 1 : #2 = 625217248				Recovery =	82.10%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	245.4E6	248.7E6	0.698M4	0.594M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	139.60%	118.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

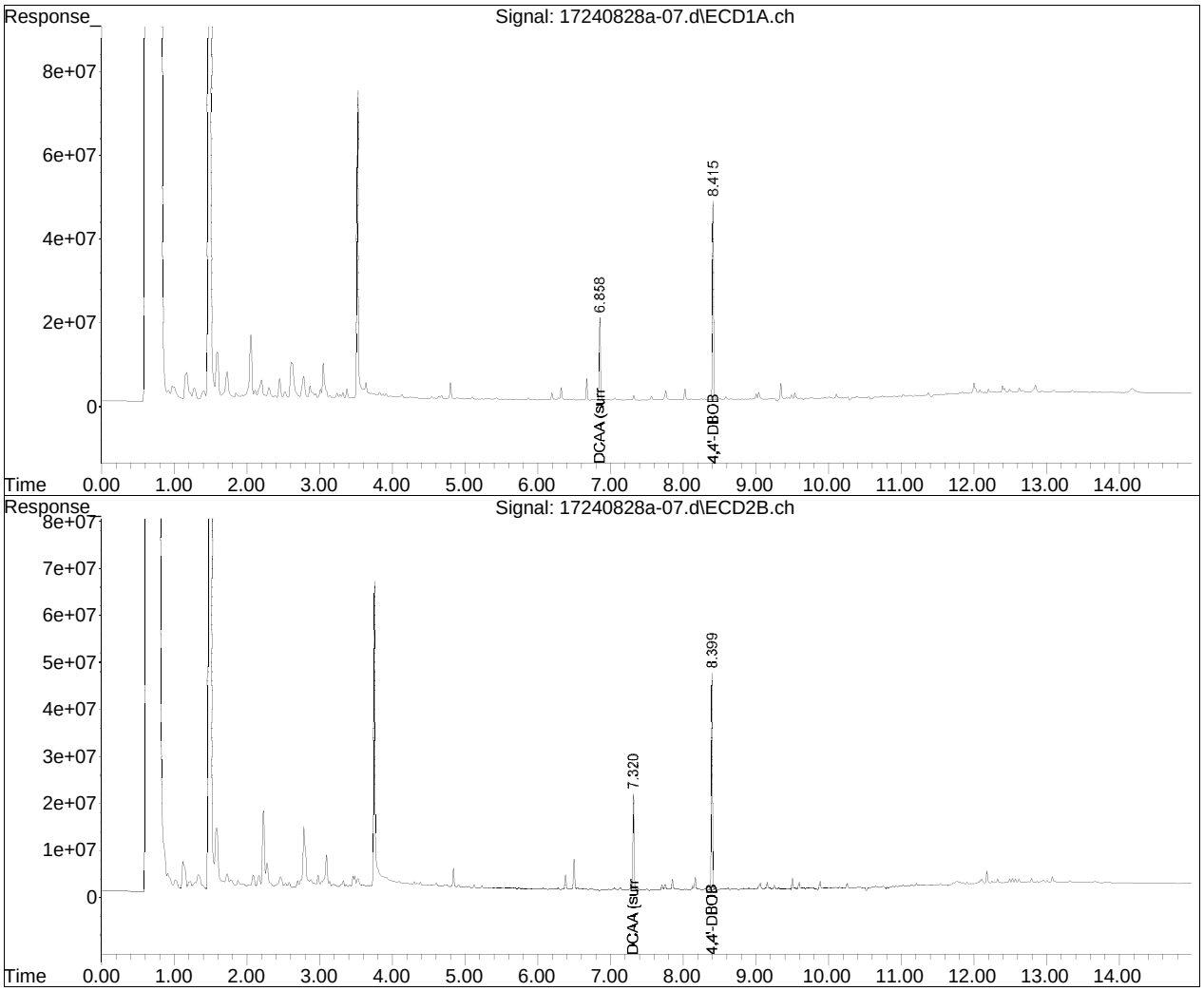
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:25
Operator : PEST17:mmg
Sample : L2447890-01,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:29 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

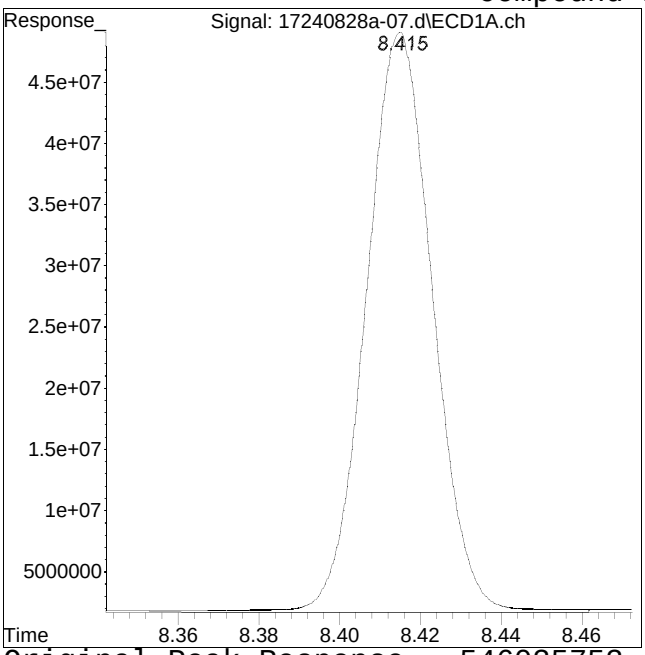
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

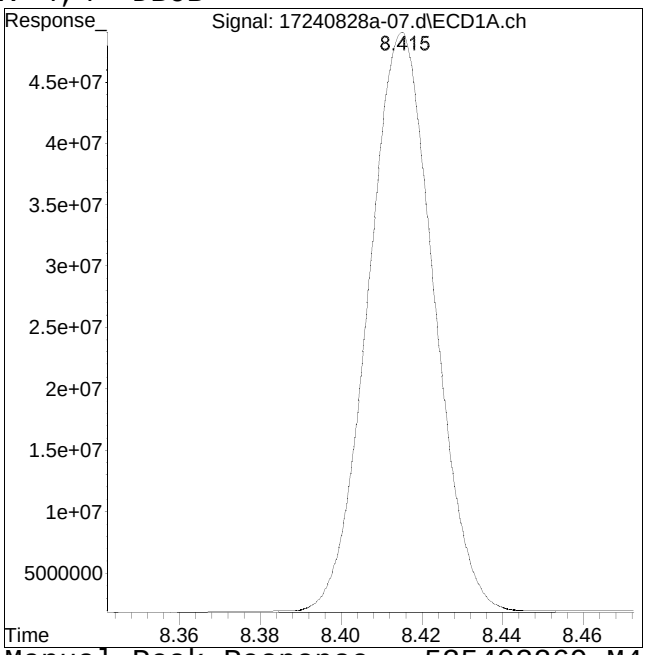


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-07.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:25 Instrument : Pest 17
Sample : L2447890-01,42,, Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



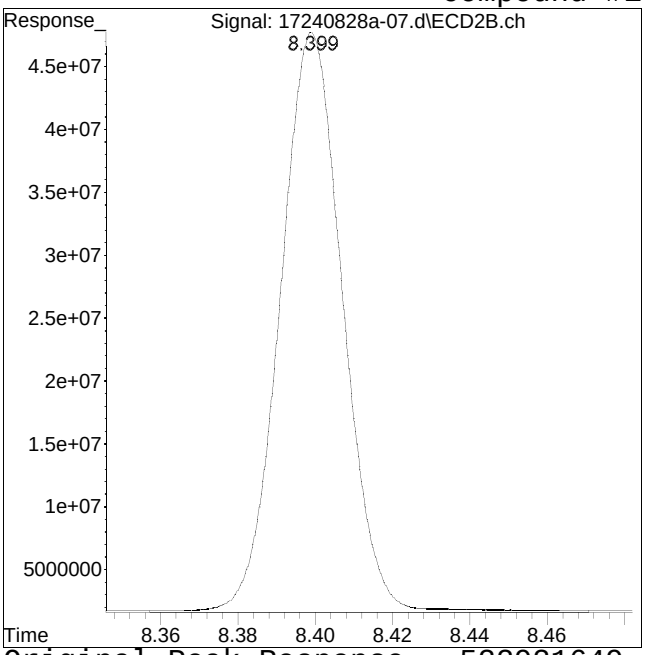


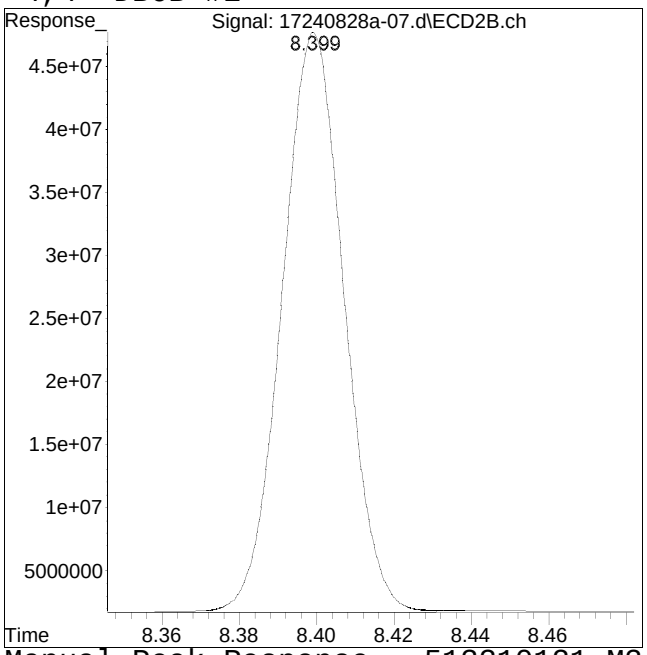
Original Peak Response = 546035753 Manual Peak Response = 535402269 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-07.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:25 Instrument : Pest 17
Sample : L2447890-01,42,, Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



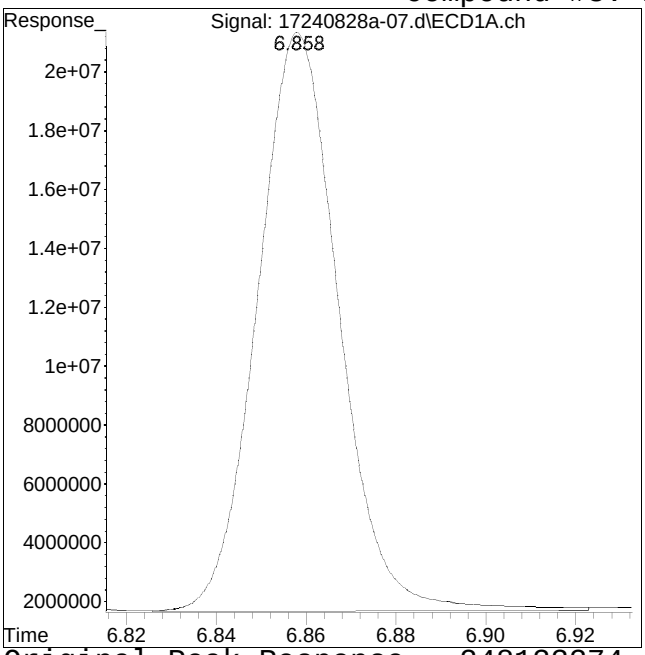


Original Peak Response = 522921649 Manual Peak Response = 513310121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

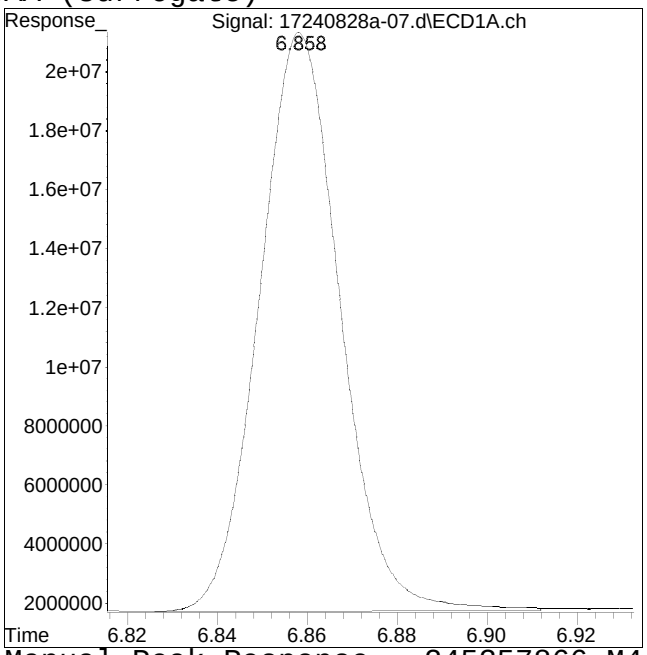
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-07.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:25 Instrument : Pest 17
Sample : L2447890-01,42,, Quant Date : 8/28/2024 3:43 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 248133374



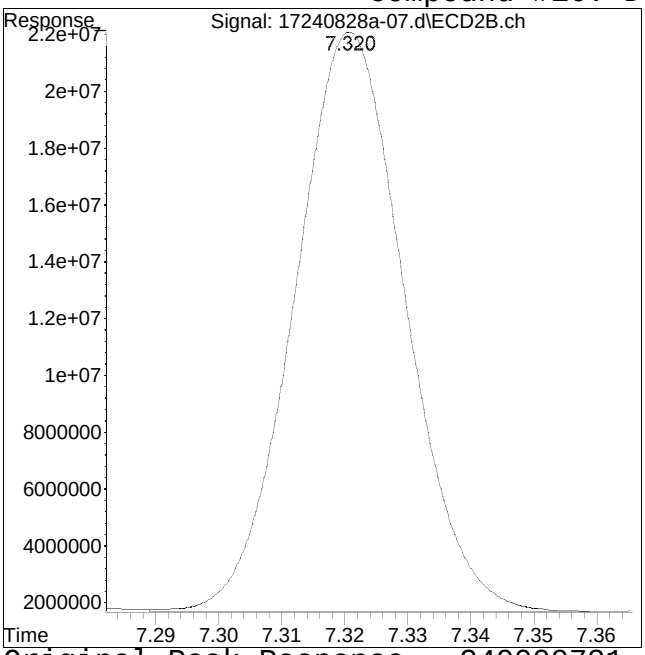
Manual Peak Response = 245357866 M4

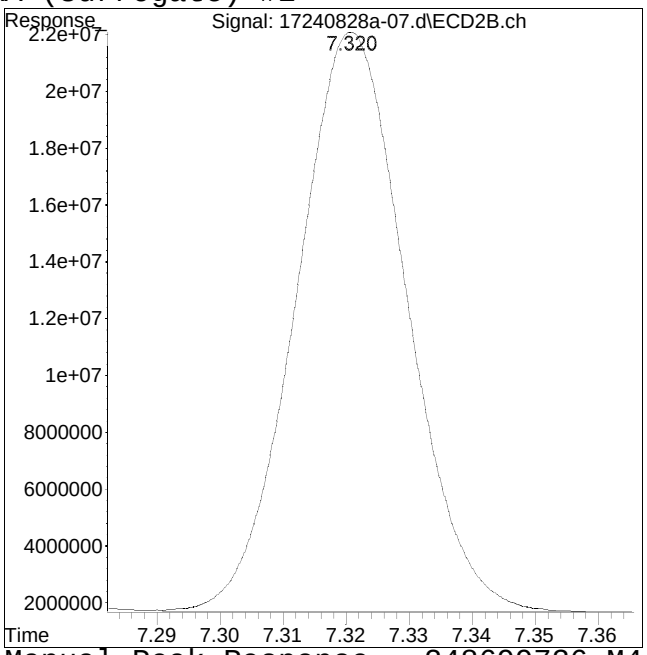
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-07.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:25 Instrument : Pest 17
Sample : L2447890-01,42,, Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 249000721 Manual Peak Response = 248699736 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:44
Operator : PEST17:mmg
Sample : L2447890-02,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:30 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.414	8.400	527.0E6	509.5E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 663419847				Recovery =	79.43%	
	Standard Area 1 : #2 = 625217248				Recovery =	81.48%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.320	248.7E6	252.9E6	0.719M4	0.608M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	143.80%	121.60%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

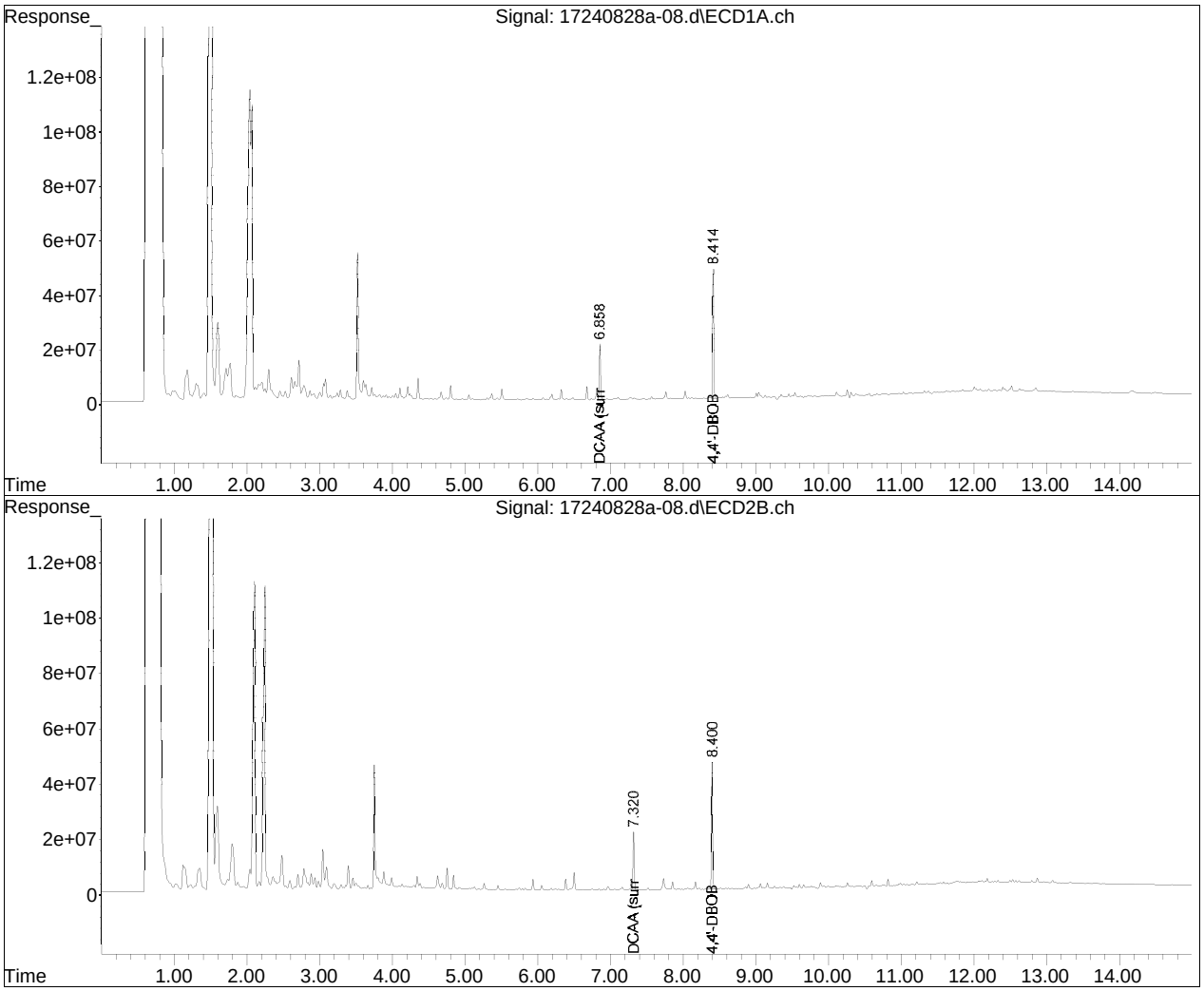
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:44
Operator : PEST17:mmg
Sample : L2447890-02,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:30 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

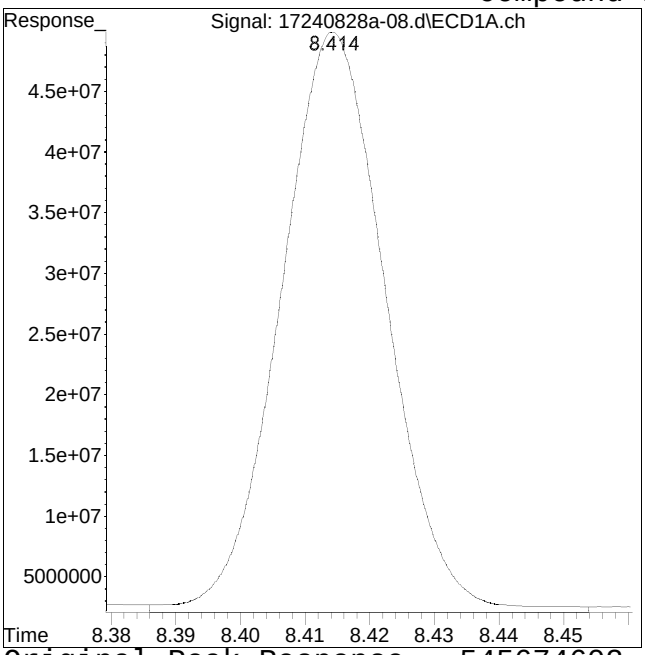
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

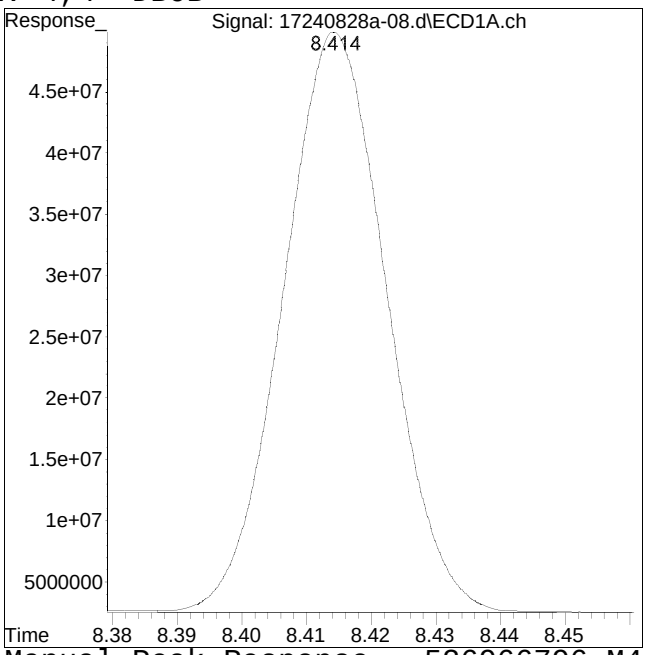


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-08.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 17
Sample : L2447890-02,42,, Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



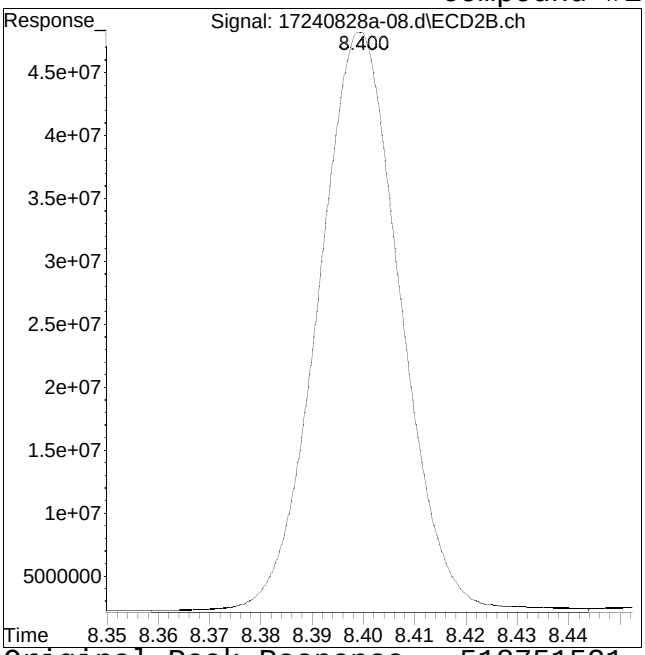


Original Peak Response = 545674602 Manual Peak Response = 526966796 M4
M4 = Poor automated baseline construction.

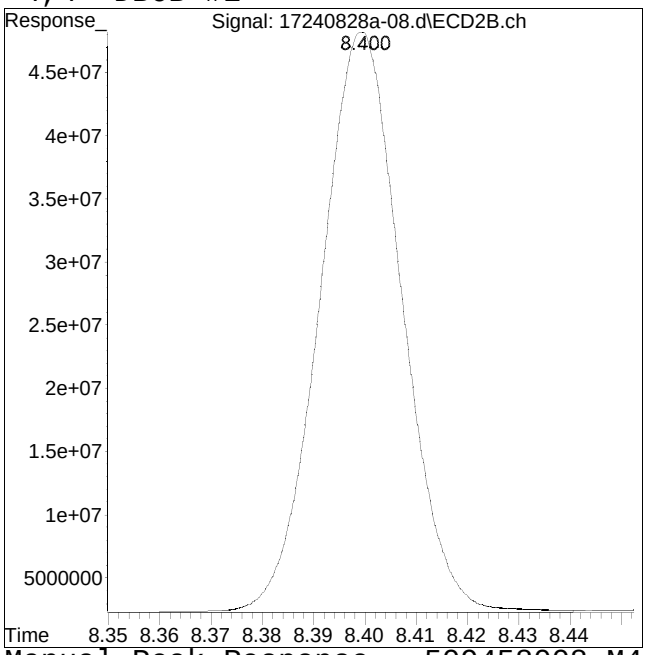
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-08.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 17
Sample : L2447890-02,42,, Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 518751521



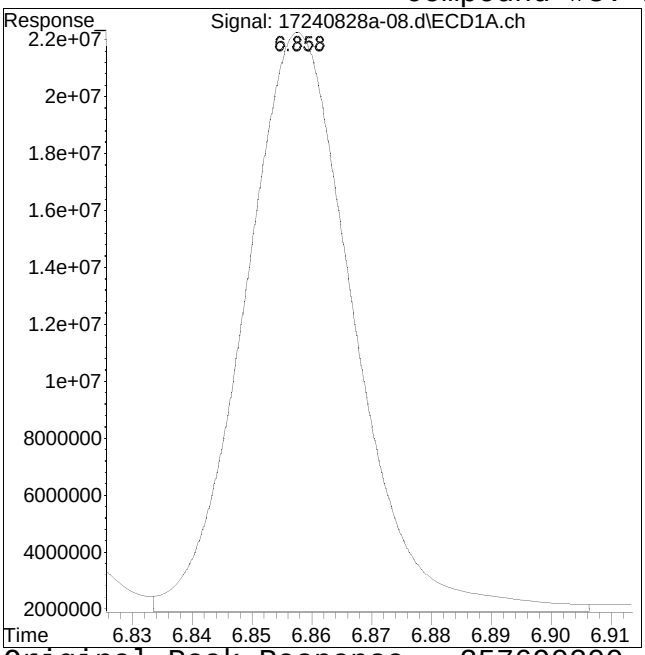
Manual Peak Response = 509458008 M4

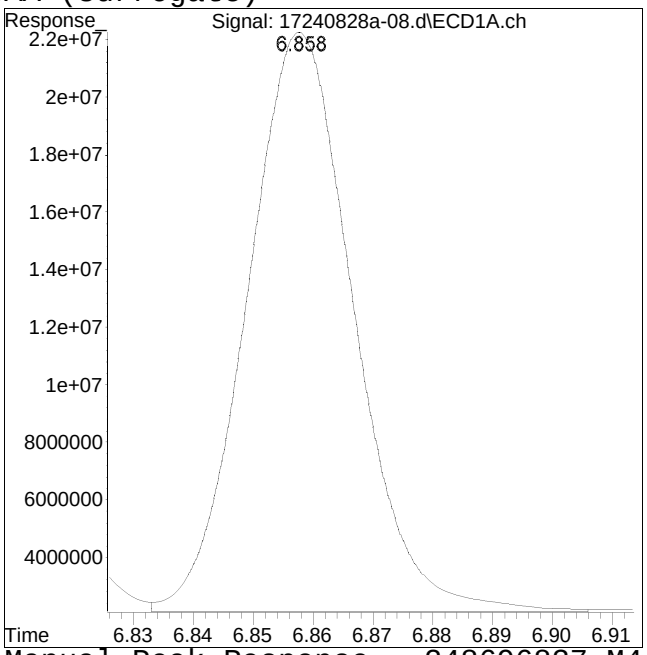
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-08.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 17
Sample : L2447890-02,42,, Quant Date : 8/28/2024 3:43 pm

Compound #3: DCAA (surrogate)



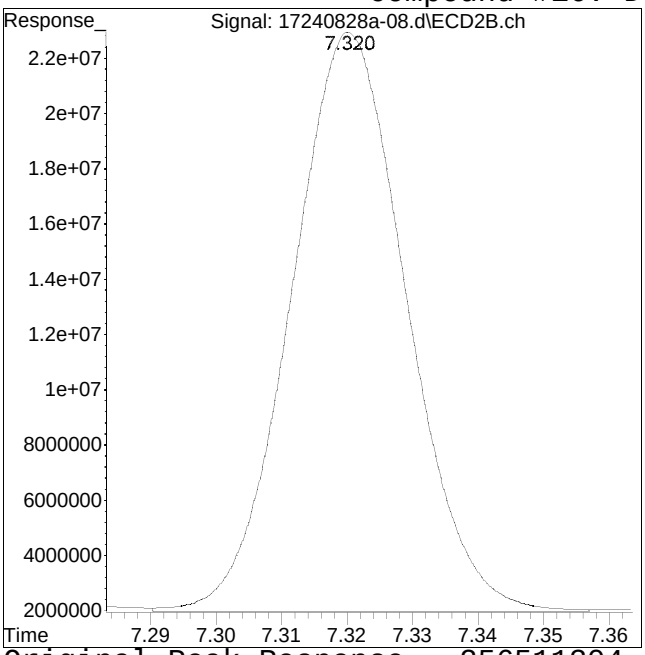


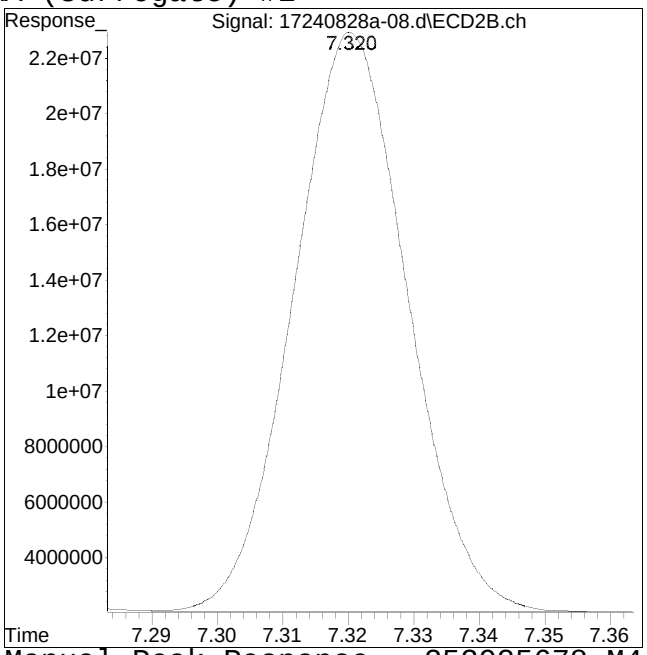
Original Peak Response = 257690200 Manual Peak Response = 248696837 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-08.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 17
Sample : L2447890-02,42,, Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 256511304 Manual Peak Response = 252925678 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:02
Operator : PEST17:mmg
Sample : L2447890-03,42,, p
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:32 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	510.2E6	490.4E6	0.250M3	0.250M4
Standard Area 1 : #1 = 663419847				Recovery =	76.91%	
Standard Area 1 : #2 = 625217248				Recovery =	78.43%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	243.1E6	245.0E6	0.726M3	0.612M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	145.20%	122.40%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

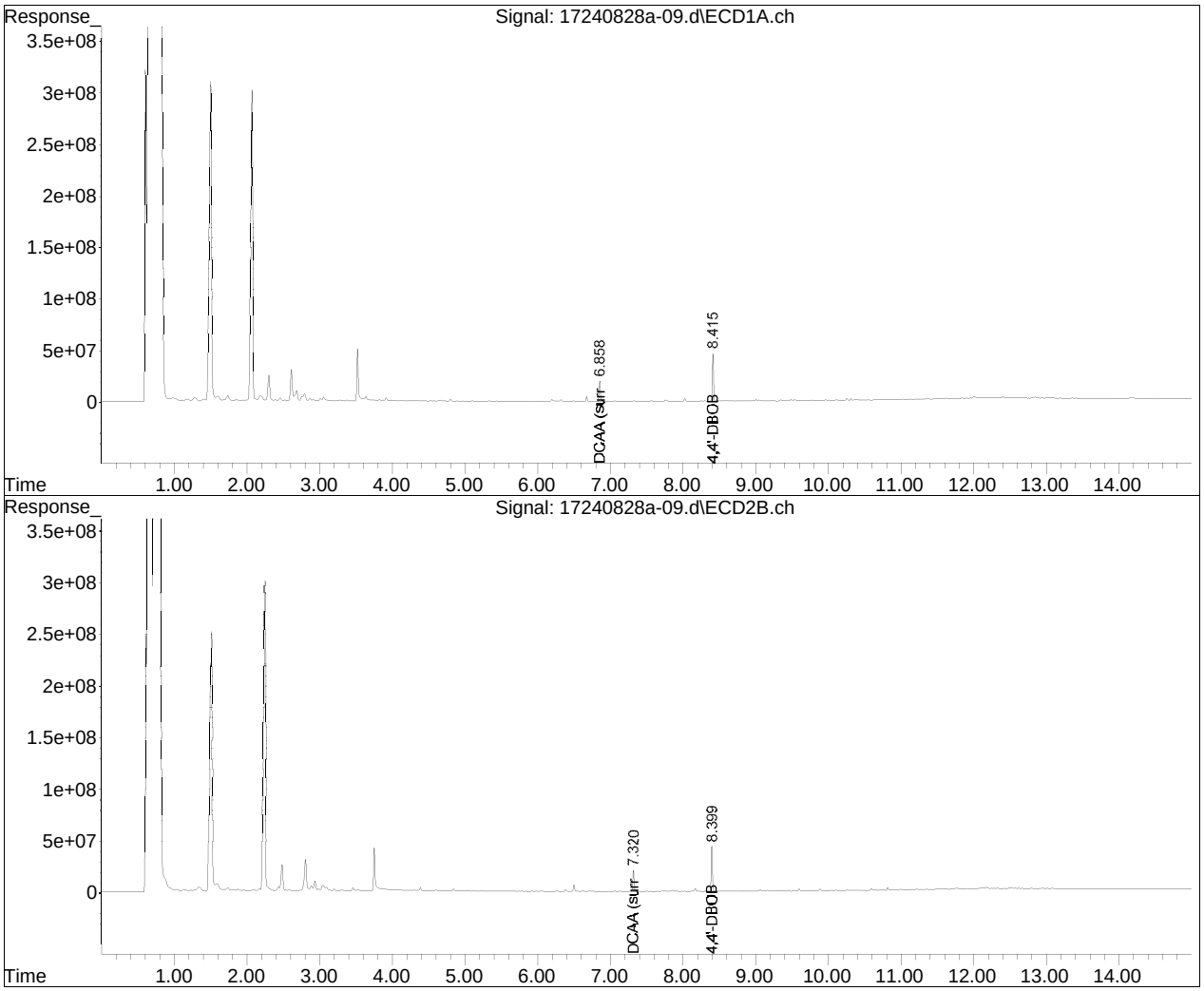
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:02
Operator : PEST17:mmg
Sample : L2447890-03,42,, p
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:32 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

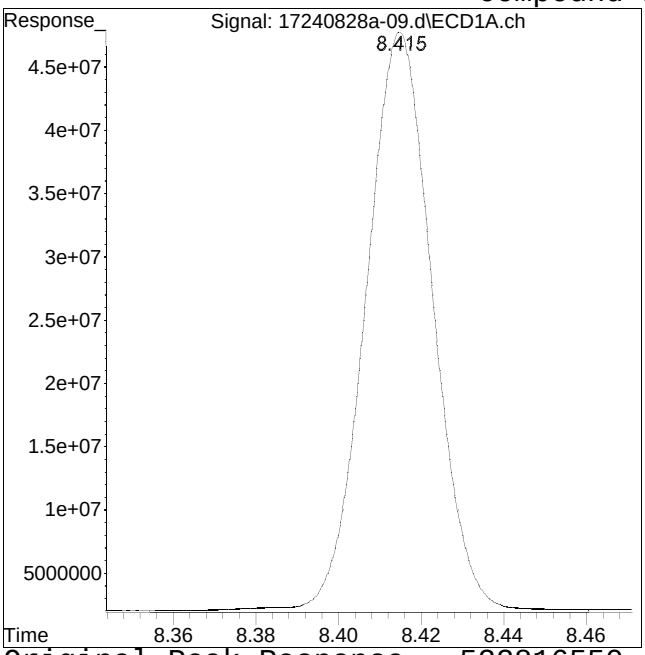
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

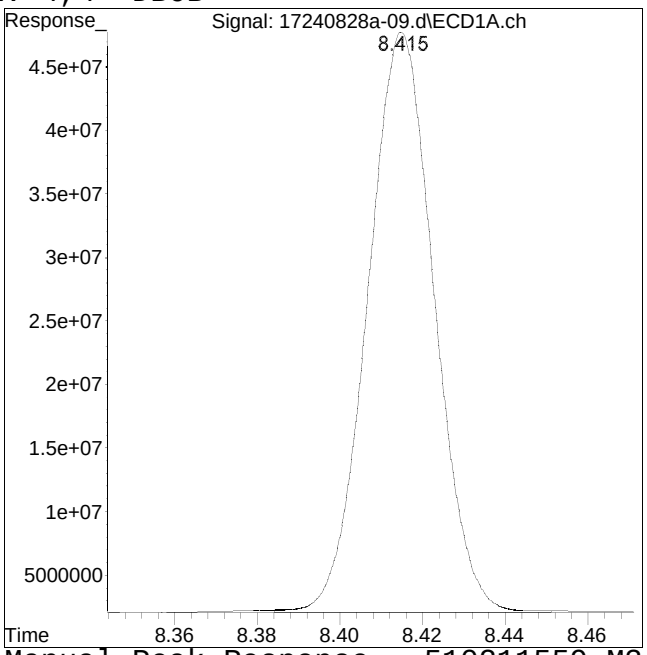


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-09.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:02 Instrument : Pest 17
Sample : L2447890-03,42,, p Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



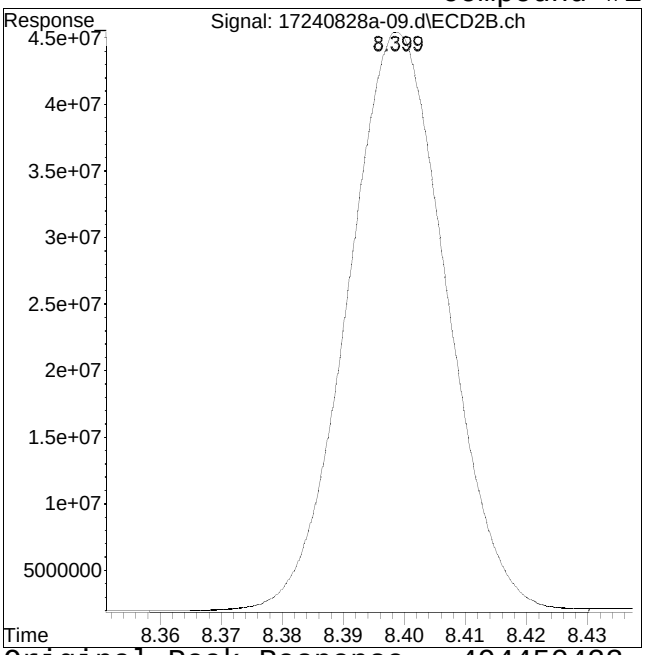


Original Peak Response = 522816550 Manual Peak Response = 510211559 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

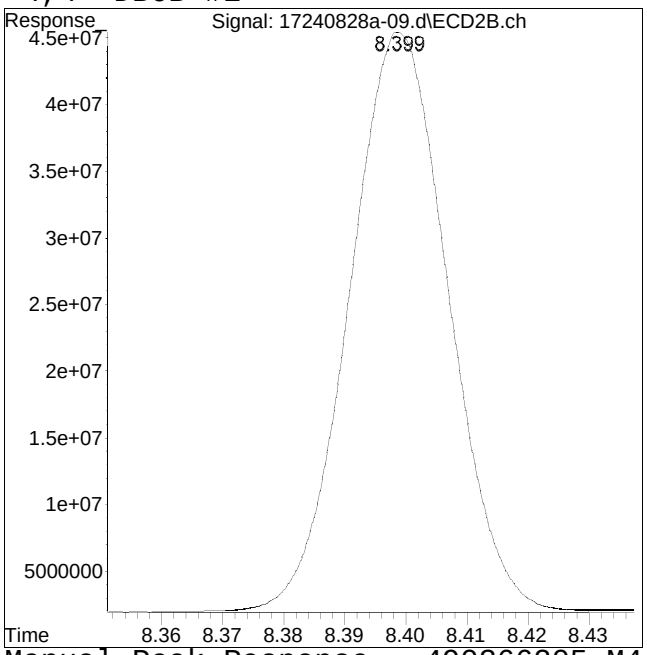
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-09.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:02 Instrument : Pest 17
Sample : L2447890-03,42,, p Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 494450423



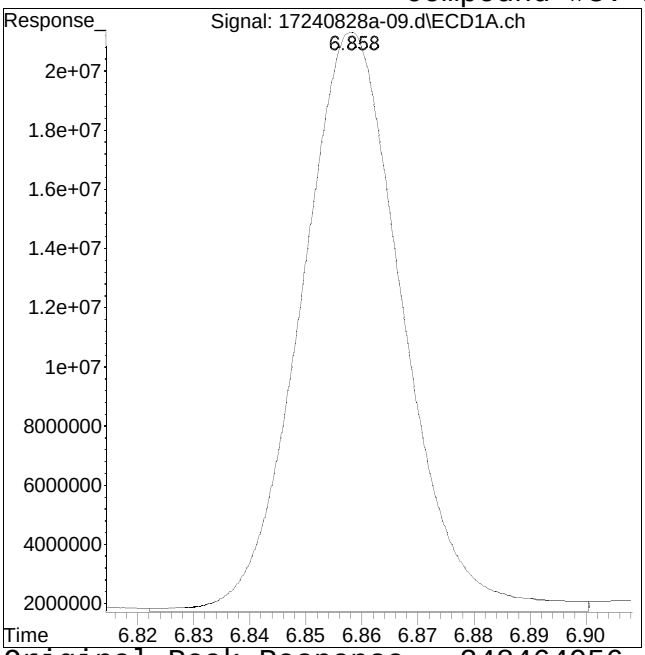
Manual Peak Response = 490366205 M4

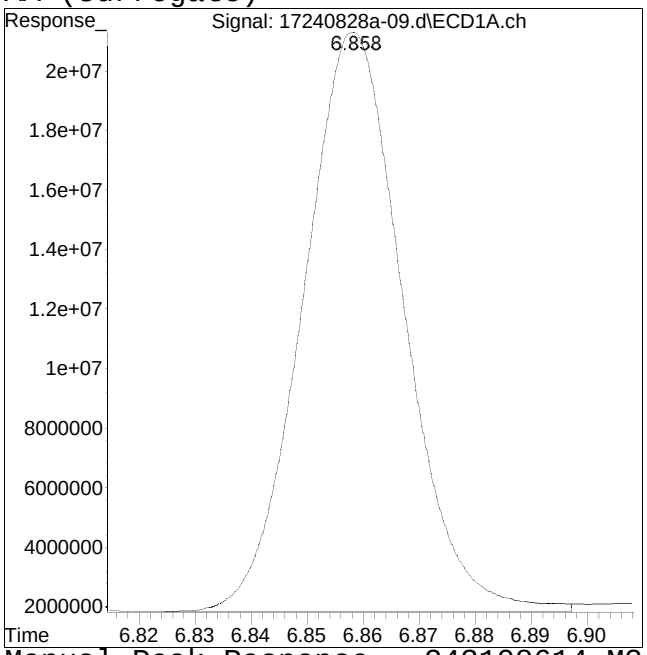
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-09.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:02 Instrument : Pest 17
Sample : L2447890-03,42,, p Quant Date : 8/28/2024 3:43 pm

Compound #3: DCAA (surrogate)



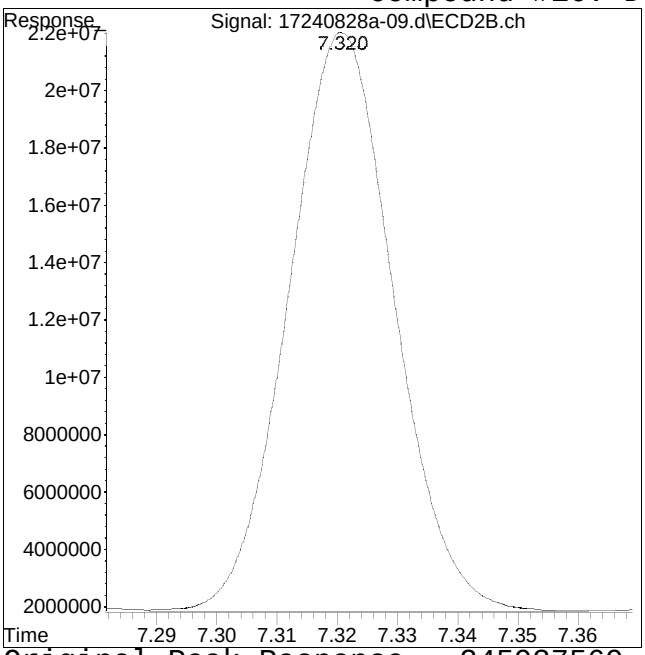


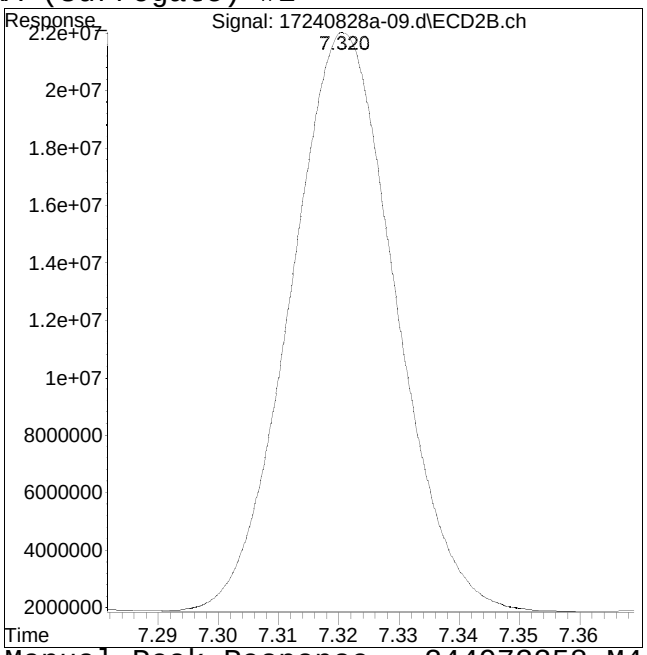
Original Peak Response = 248464956 Manual Peak Response = 243108614 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-09.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:02 Instrument : Pest 17
Sample : L2447890-03,42,, p Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 245937569 Manual Peak Response = 244973358 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 15:29
Operator : PEST17:mmg
Sample : L2447890-04,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:06:55 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.414	8.399	443.6E6	425.3E6	0.250M3	0.250M4
Standard Area 1 : #1 = 663419847				Recovery =	66.87%	
Standard Area 1 : #2 = 625217248				Recovery =	68.03%	
System Monitoring Compounds						
3) s DCAA (surrog	6.857	7.320	234.4E6	239.6E6	0.804M4	0.690
Spiked Amount	0.500	Range 30 - 150		Recovery =	160.80%#	138.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

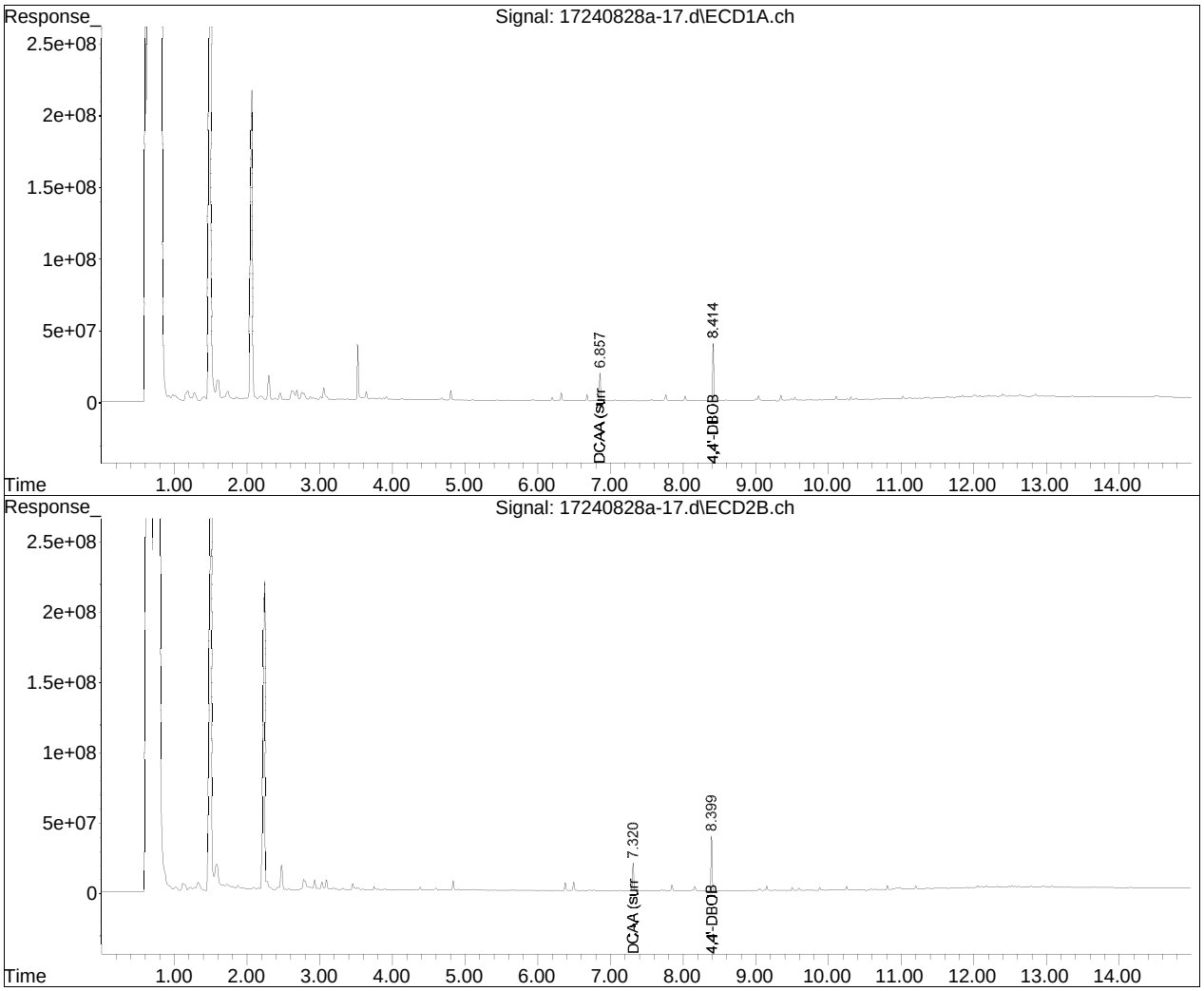
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 15:29
Operator : PEST17:mmg
Sample : L2447890-04,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:06:55 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

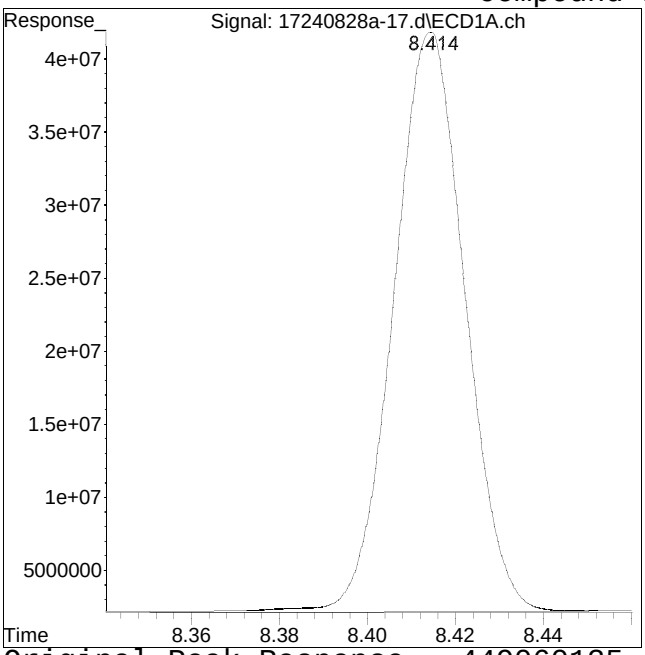
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

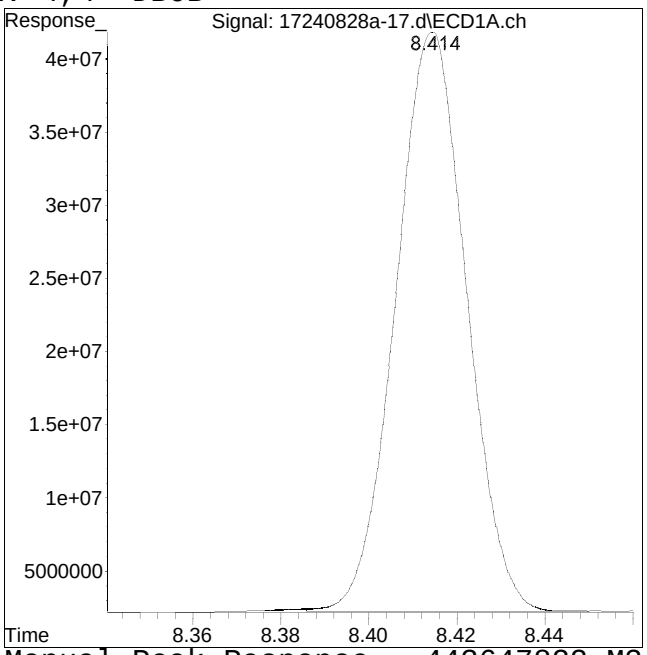


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-17.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 15:29 Instrument : Pest 17
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:06 am

Compound #1: 4,4'-DBOB



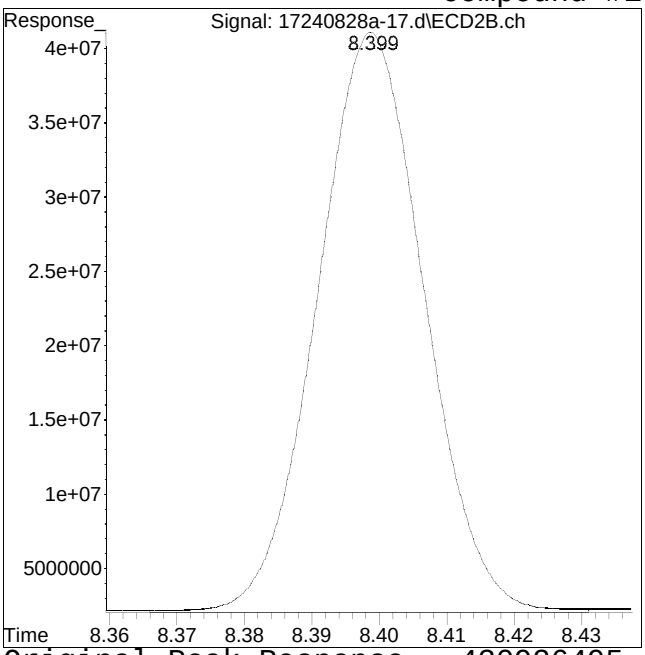


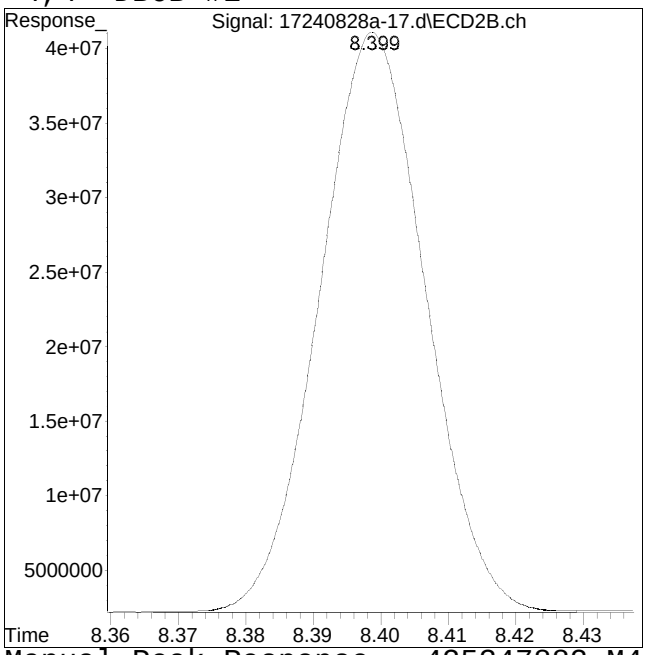
Original Peak Response = 449060135 Manual Peak Response = 443647822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-17.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 15:29 Instrument : Pest 17
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:06 am

Compound #14: 4,4'-DBOB #2



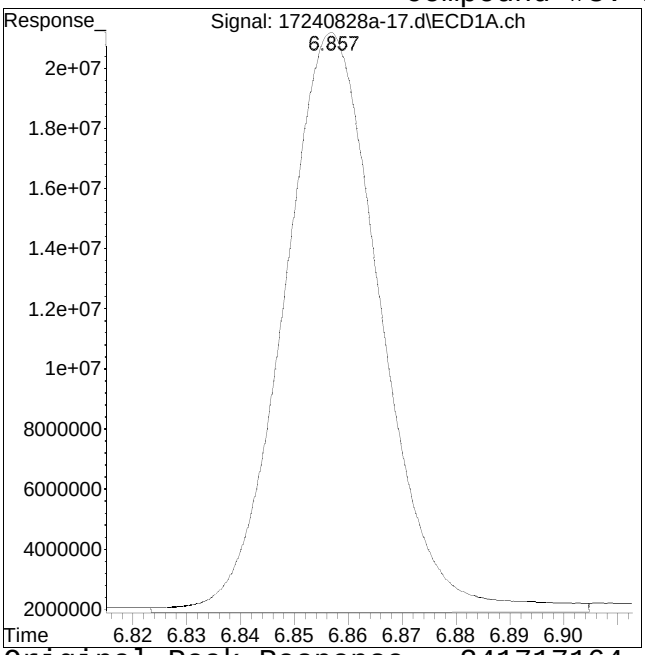


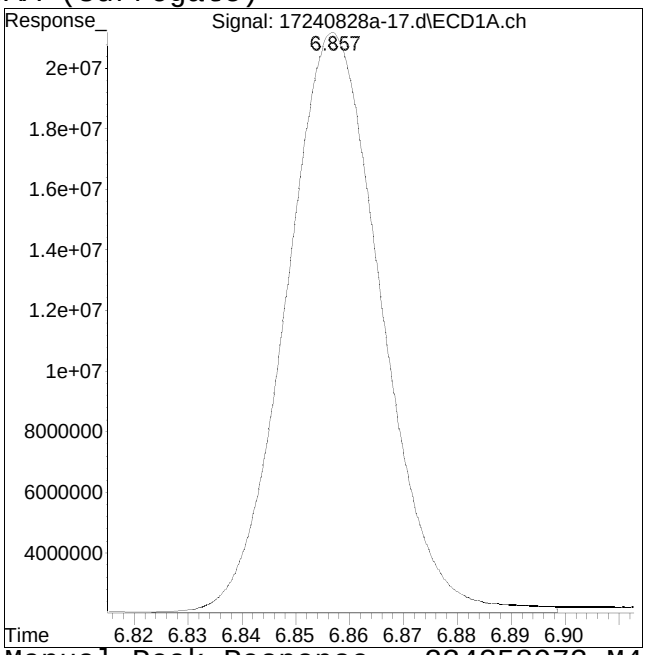
Original Peak Response = 430926495 Manual Peak Response = 425347882 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-17.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 15:29 Instrument : Pest 17
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:06 am

Compound #3: DCAA (surrogate)





Original Peak Response = 241717164 Manual Peak Response = 234358973 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:06
Operator : PEST17:mmg
Sample : L2447890-05,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:00 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-18.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.414	8.399	462.3E6	446.9E6	0.250M3	0.250M3
Standard Area 1 : #1 = 685492287				Recovery =	67.44%	
Standard Area 1 : #2 = 657288444				Recovery =	67.99%	
System Monitoring Compounds						
3) s DCAA (surrog	6.857	7.320	199.3E6	202.9E6	0.657M4	0.556M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	131.40%	111.20%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

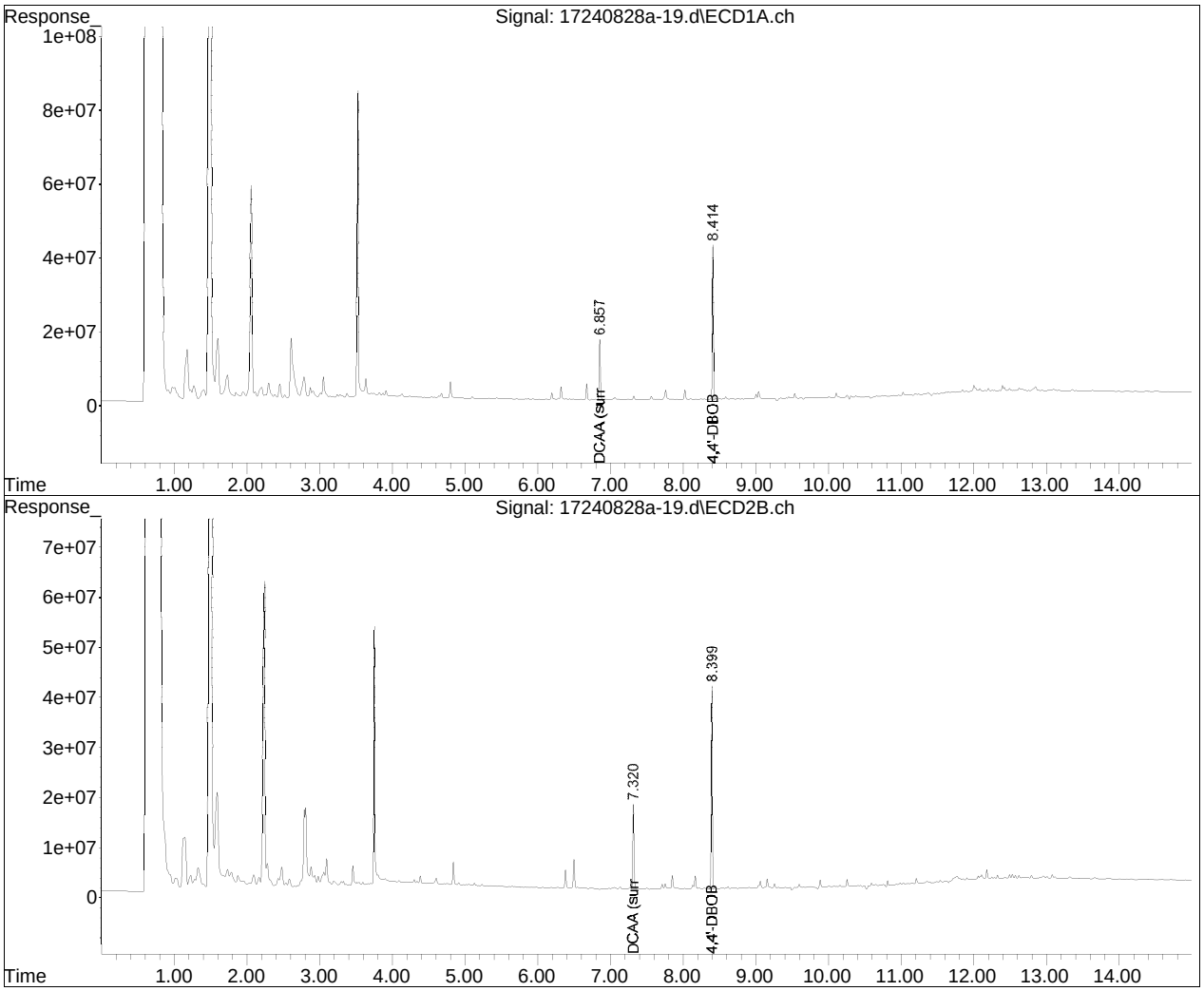
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-18.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:06
Operator : PEST17:mmg
Sample : L2447890-05,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:00 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

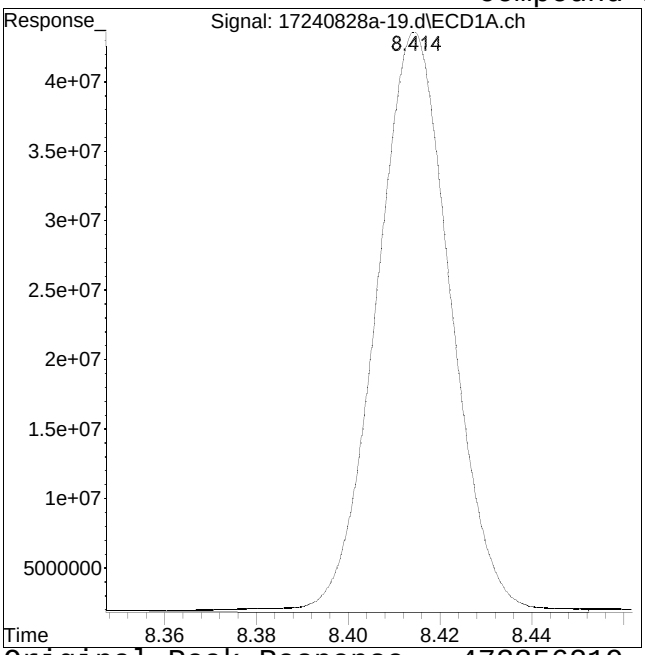
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

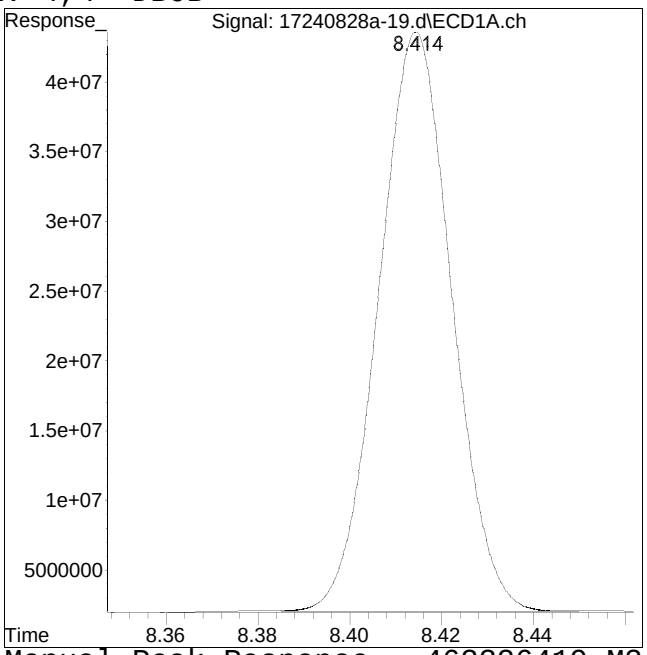


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-19.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:06 Instrument : Pest 17
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:08 am

Compound #1: 4,4'-DBOB



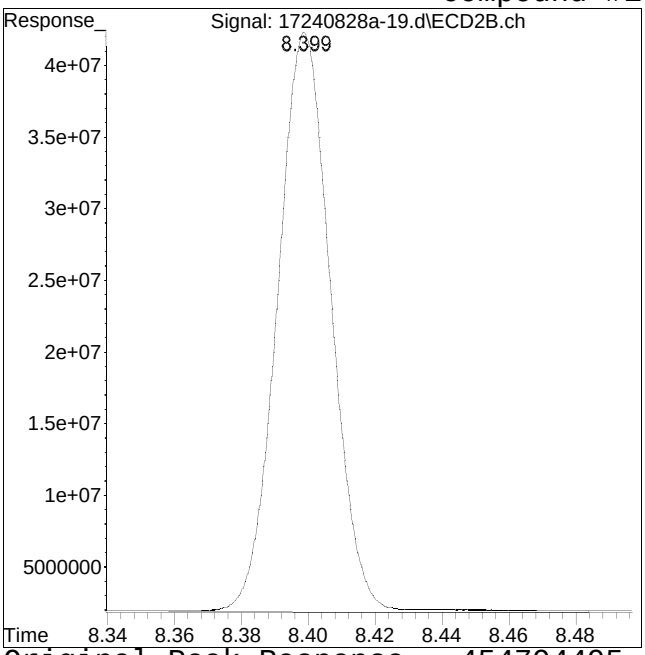


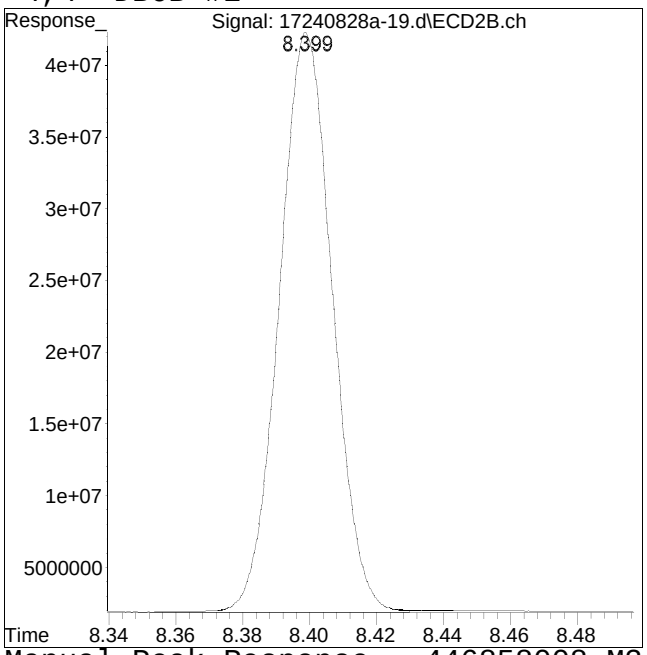
Original Peak Response = 473356219 Manual Peak Response = 462326419 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-19.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:06 Instrument : Pest 17
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:08 am

Compound #14: 4,4'-DBOB #2



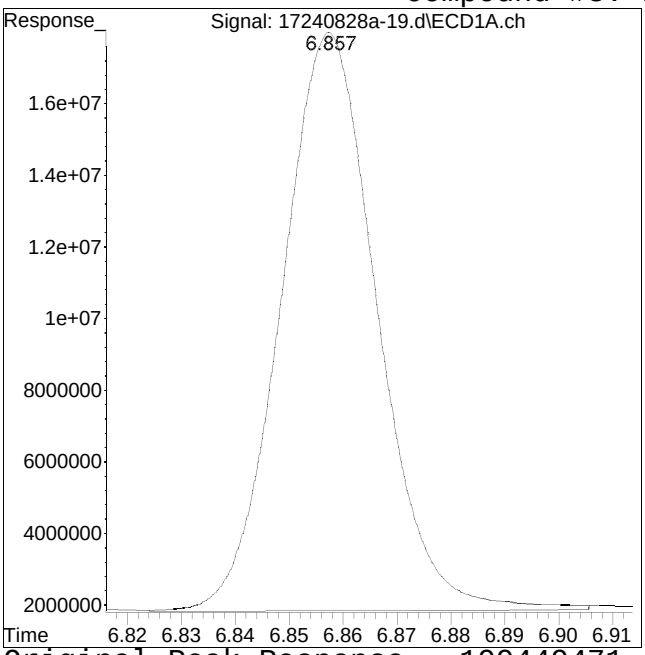


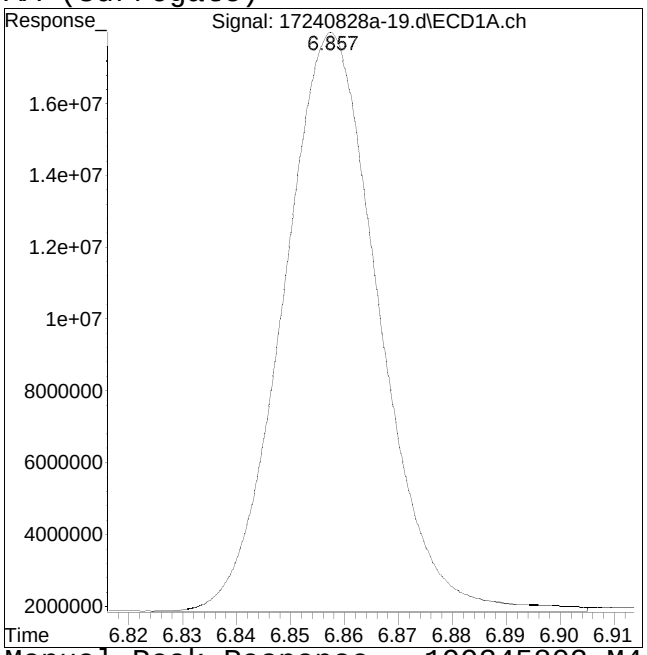
Original Peak Response = 454794495 Manual Peak Response = 446858008 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-19.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:06 Instrument : Pest 17
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:08 am

Compound #3: DCAA (surrogate)



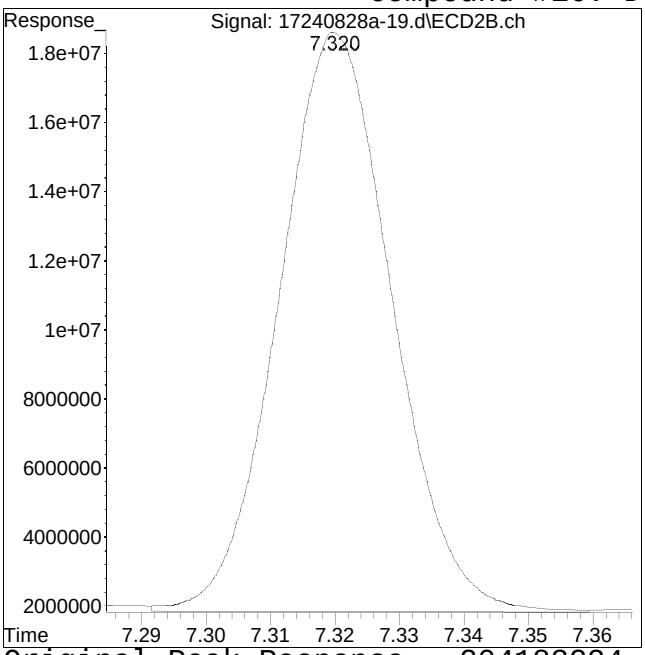


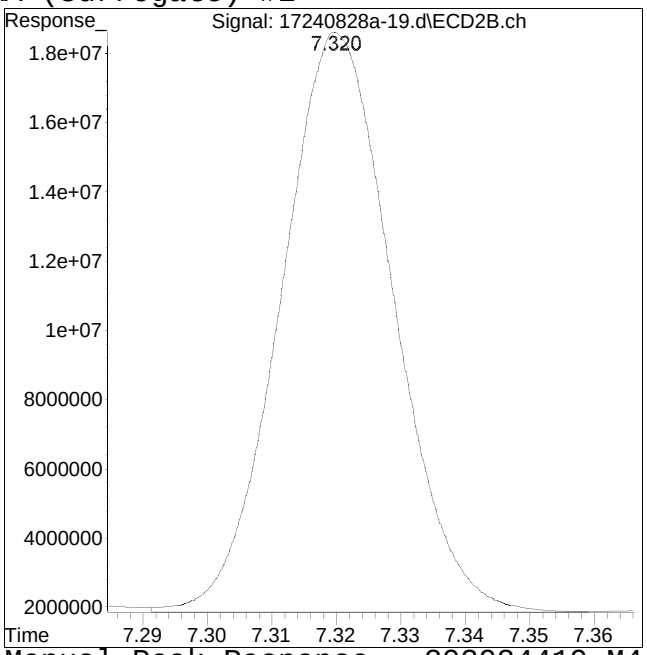
Original Peak Response = 199449471 Manual Peak Response = 199345802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-19.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:06 Instrument : Pest 17
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:08 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 204183224 Manual Peak Response = 202924419 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:25
Operator : PEST17:mmg
Sample : L2447890-06,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:02 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-18.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.414	8.399	468.4E6	450.3E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 685492287				Recovery =	68.34%	
	Standard Area 1 : #2 = 657288444				Recovery =	68.50%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.320	209.6E6	213.9E6	0.681M3	0.582M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	136.20%	116.40%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

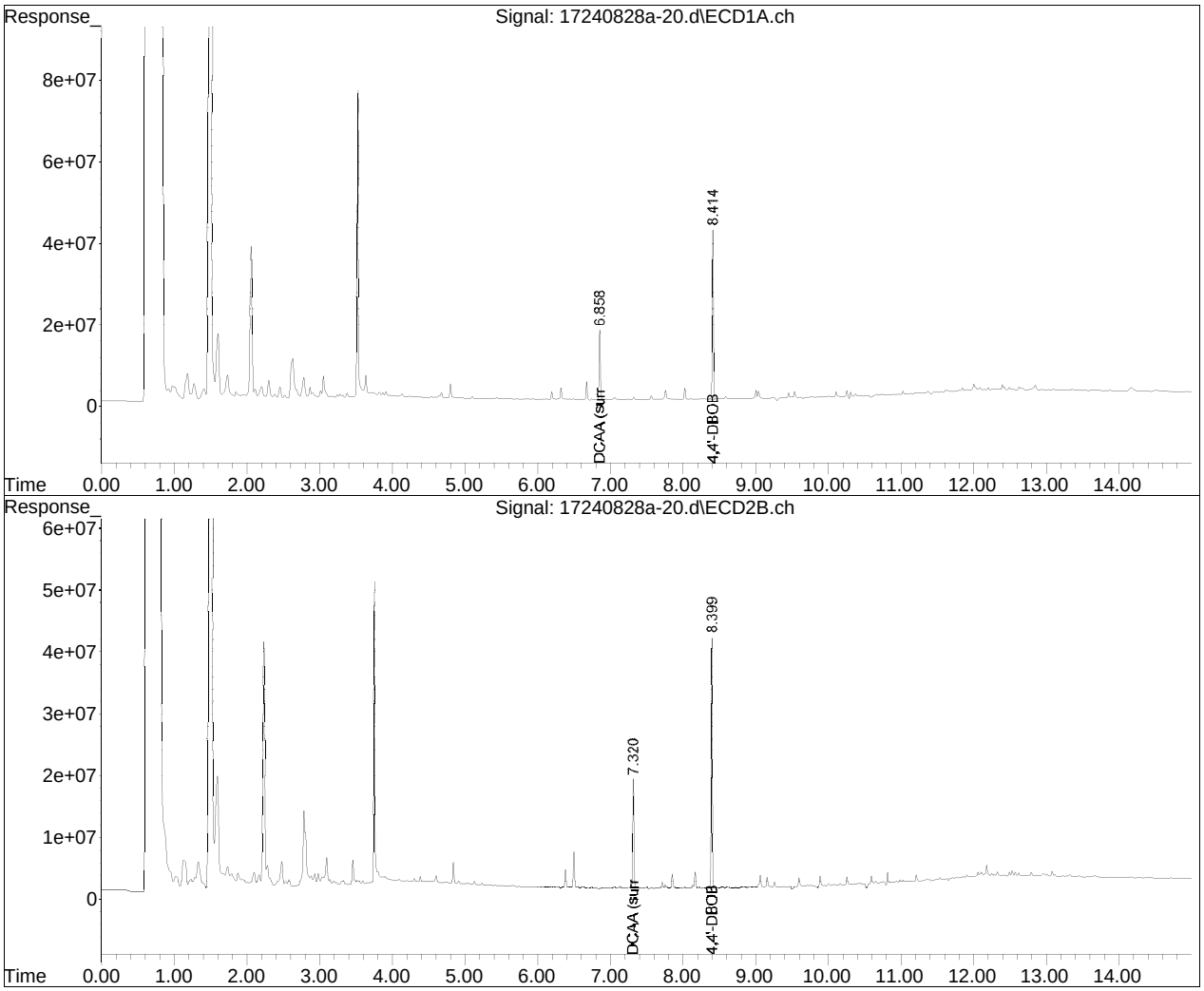
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-18.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:25
Operator : PEST17:mmg
Sample : L2447890-06,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:02 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

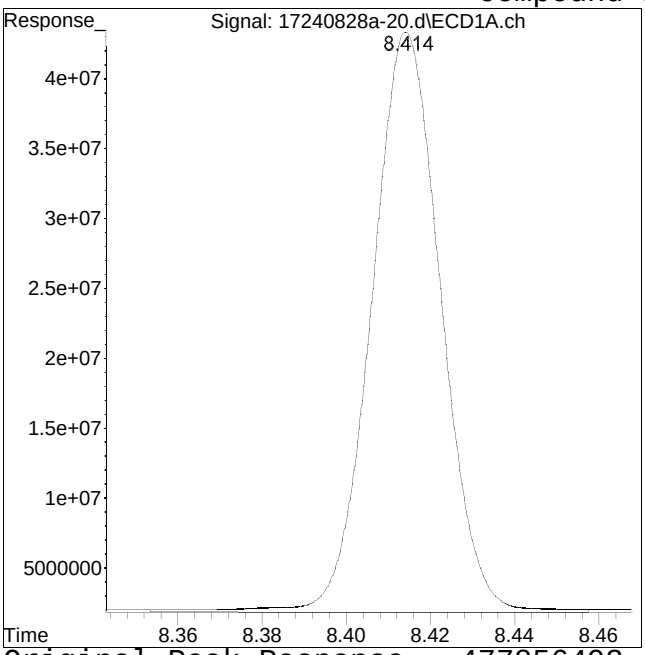
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

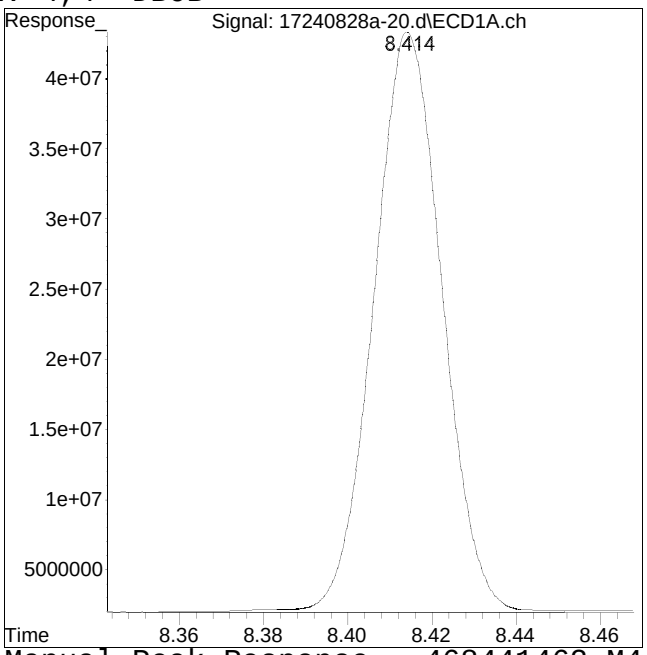


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-20.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:25 Instrument : Pest 17
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:08 am

Compound #1: 4,4'-DBOB



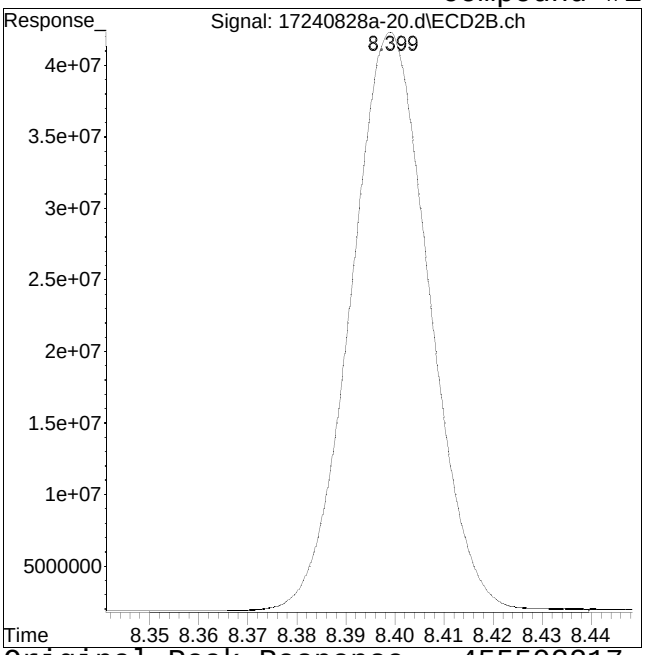


Original Peak Response = 477856493 Manual Peak Response = 468441462 M4
M4 = Poor automated baseline construction.

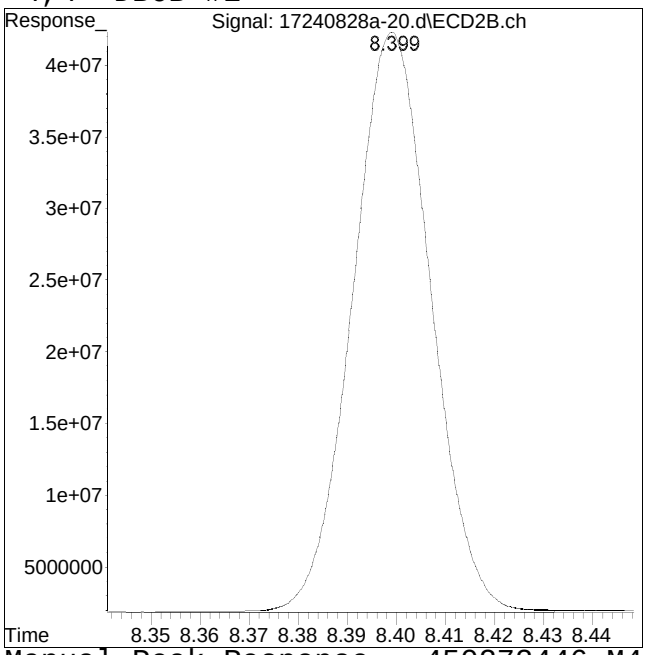
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-20.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:25 Instrument : Pest 17
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:08 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 455502217



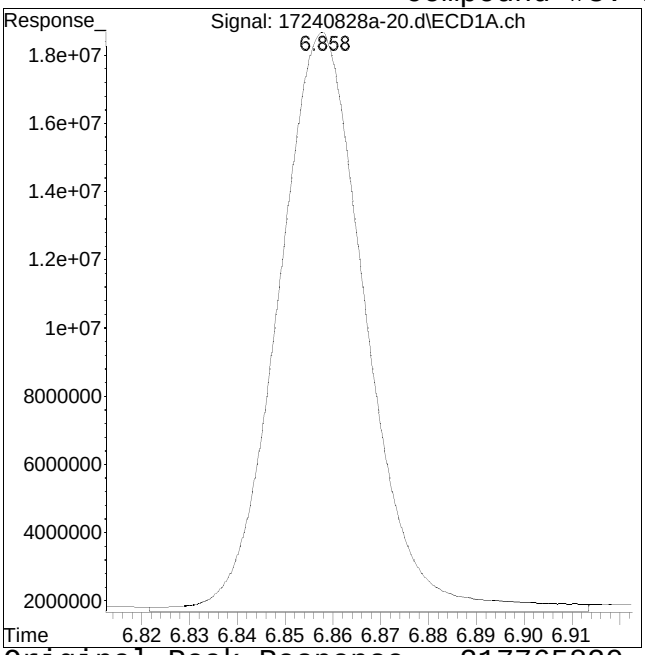
Manual Peak Response = 450272446 M4

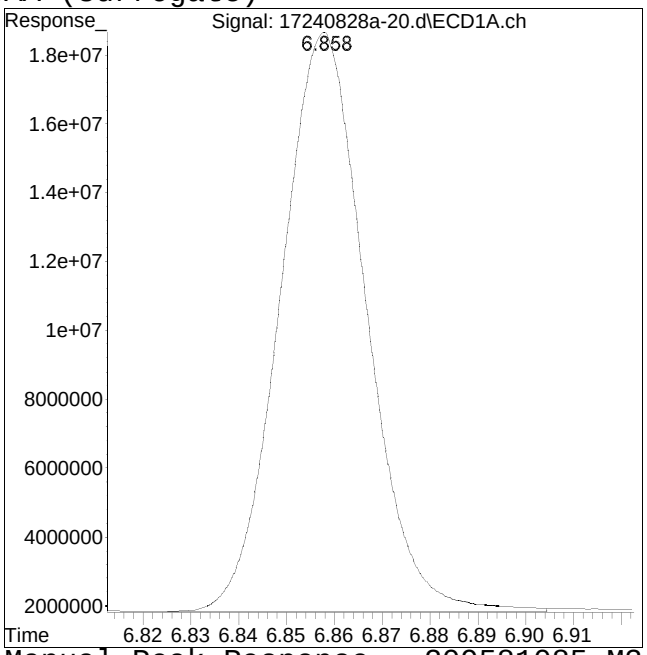
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-20.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:25 Instrument : Pest 17
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:08 am

Compound #3: DCAA (surrogate)



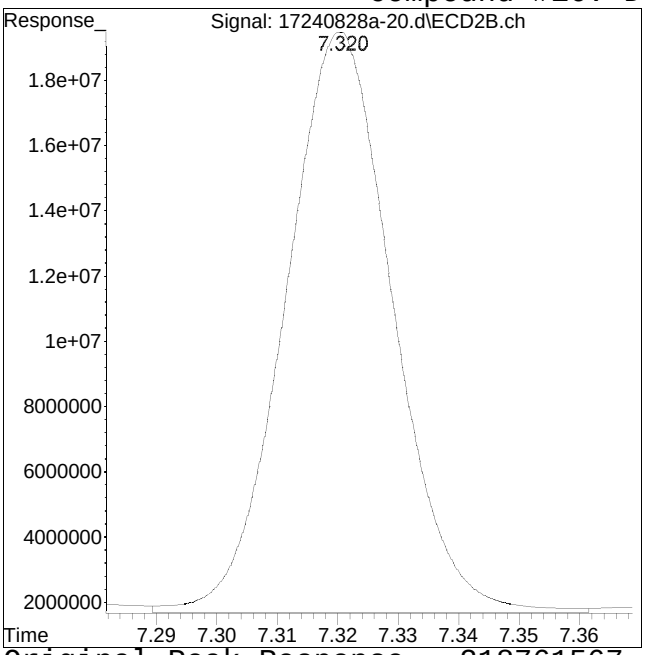


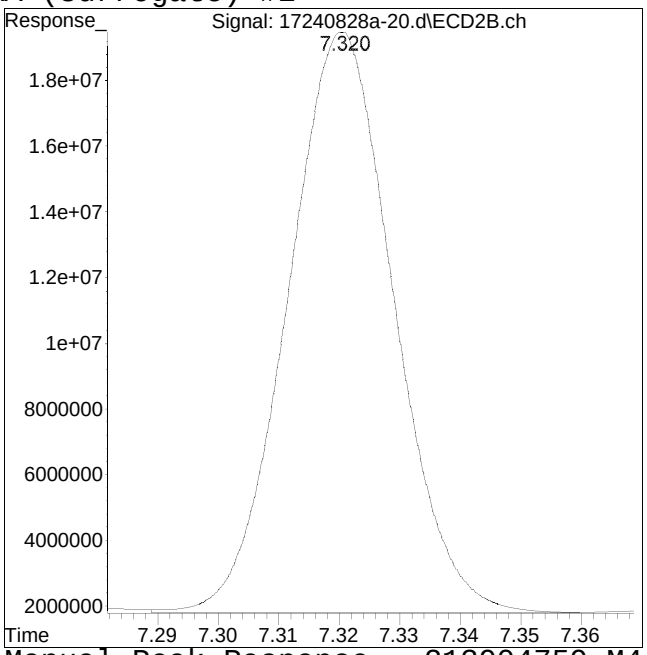
Original Peak Response = 217765820 Manual Peak Response = 209581085 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-20.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:25 Instrument : Pest 17
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:08 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 218761567 Manual Peak Response = 213904759 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:43
Operator : PEST17:mmg
Sample : L2447890-07,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:03 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-18.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.414	8.399	450.8E6	434.3E6	0.250M3	0.250M3
Standard Area 1 : #1 = 685492287				Recovery =	65.76%	
Standard Area 1 : #2 = 657288444				Recovery =	66.08%	
System Monitoring Compounds						
3) s DCAA (surrog	6.857	7.320	233.2E6	235.4E6	0.788M4	0.664M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	157.60%#	132.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

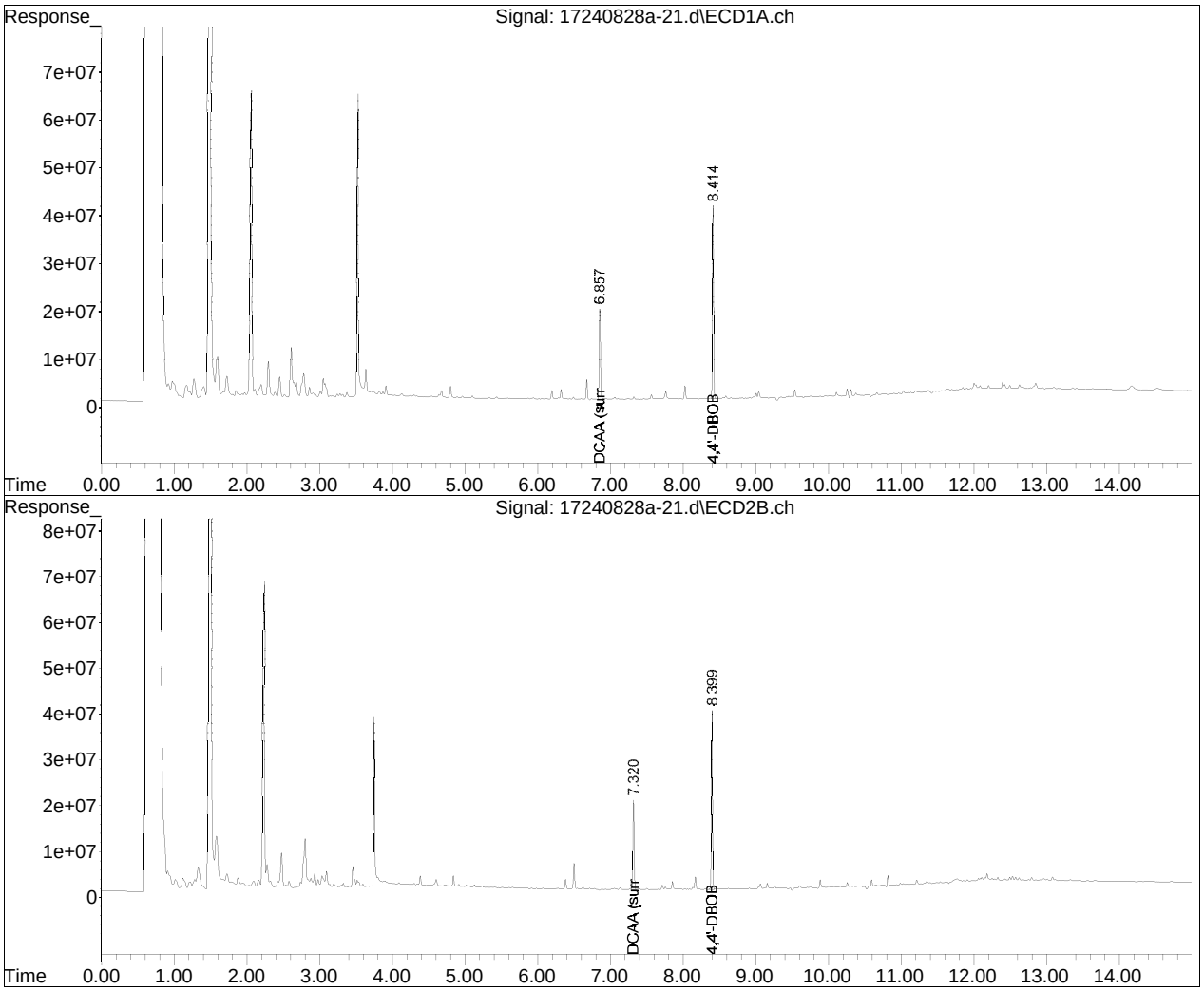
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-18.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 16:43
Operator : PEST17:mmg
Sample : L2447890-07,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:03 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

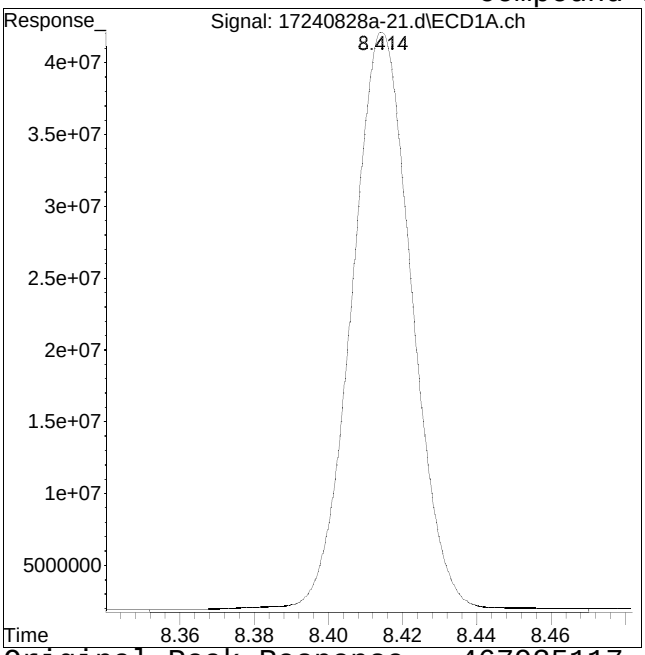
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

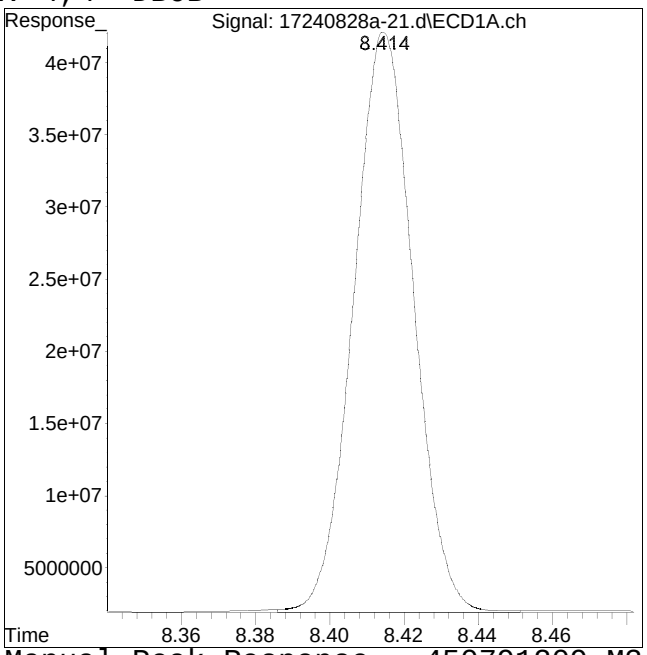


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-21.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:43 Instrument : Pest 17
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:08 am

Compound #1: 4,4'-DBOB



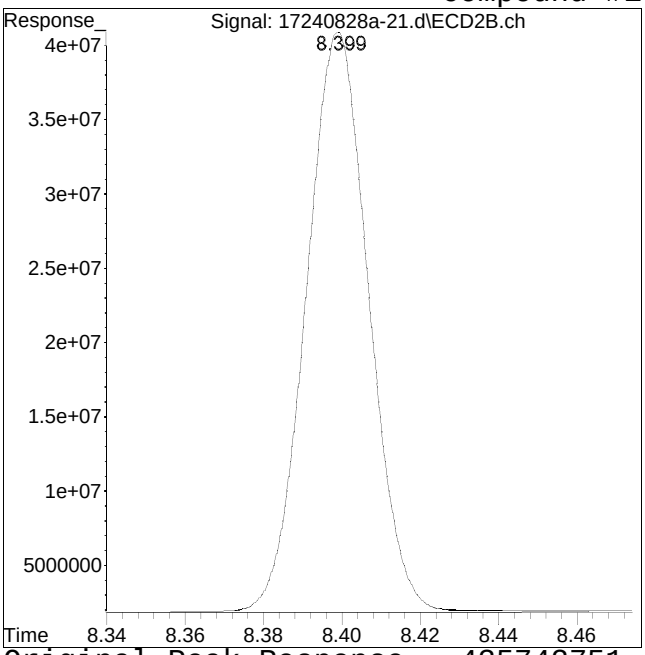


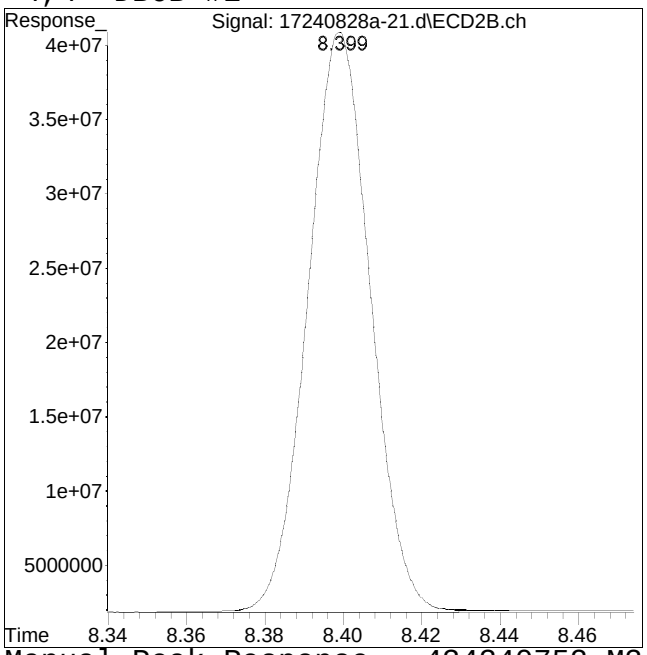
Original Peak Response = 467935117 Manual Peak Response = 450791209 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-21.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:43 Instrument : Pest 17
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:08 am

Compound #14: 4,4'-DBOB #2



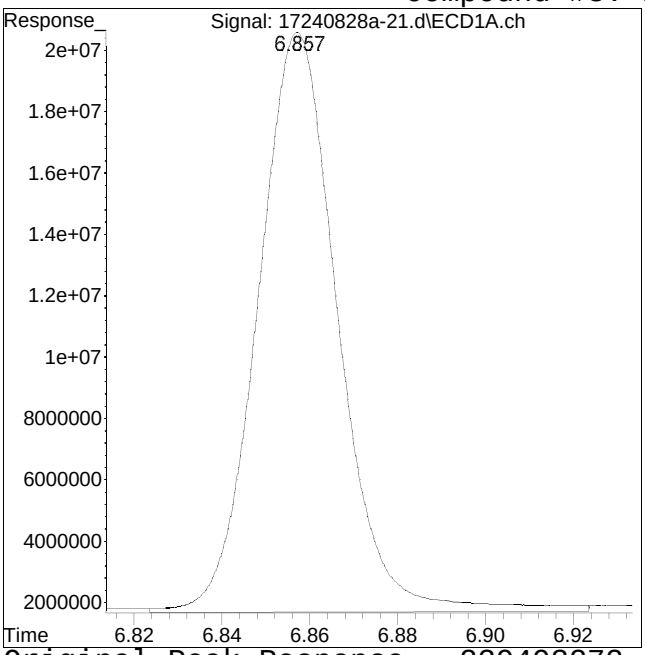


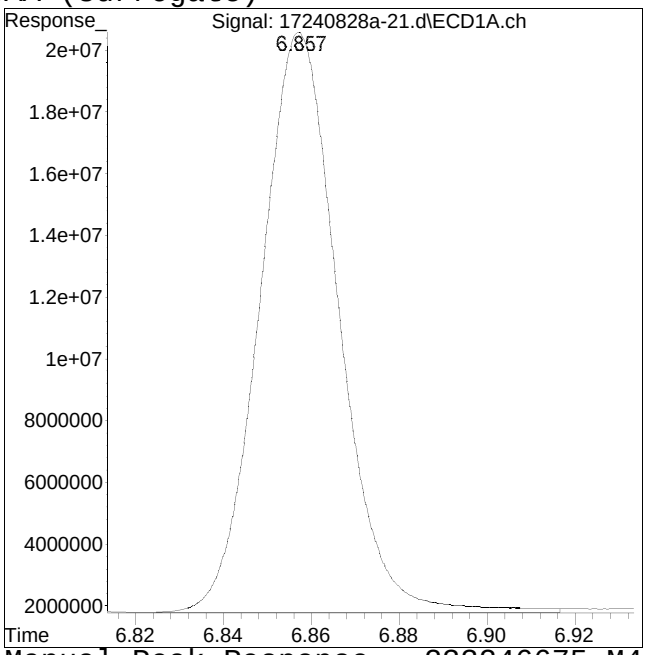
Original Peak Response = 435742751 Manual Peak Response = 434340752 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-21.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:43 Instrument : Pest 17
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:08 am

Compound #3: DCAA (surrogate)



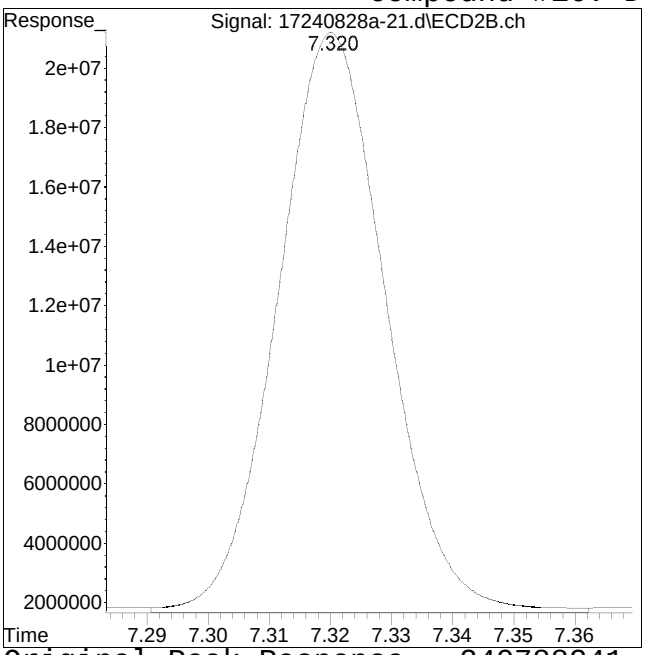


Original Peak Response = 239493272 Manual Peak Response = 233246675 M4
M4 = Poor automated baseline construction.

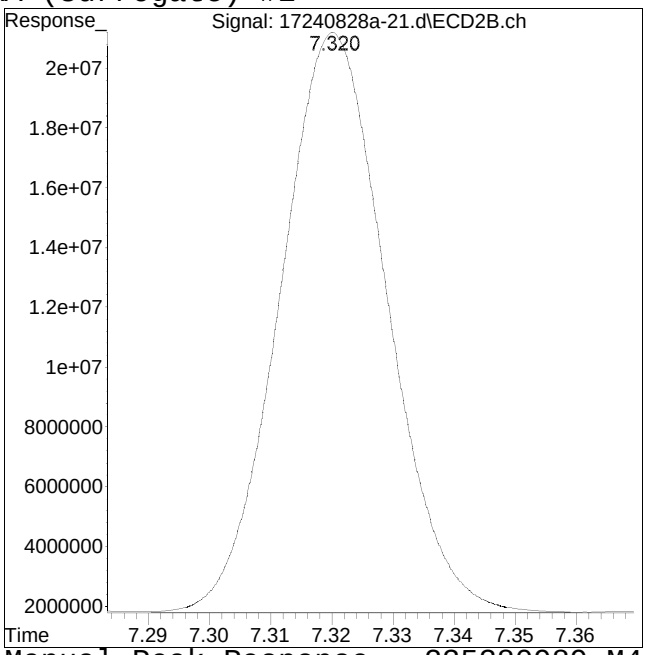
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-21.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 16:43 Instrument : Pest 17
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:08 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 240788241



Manual Peak Response = 235380989 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 17:02
Operator : PEST17:mmg
Sample : L2447890-08,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:05 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-18.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.414	8.399	461.1E6	445.0E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 685492287				Recovery =	67.27%	
	Standard Area 1 : #2 = 657288444				Recovery =	67.70%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.320	225.0E6	229.9E6	0.743M4	0.633M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	148.60%	126.60%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

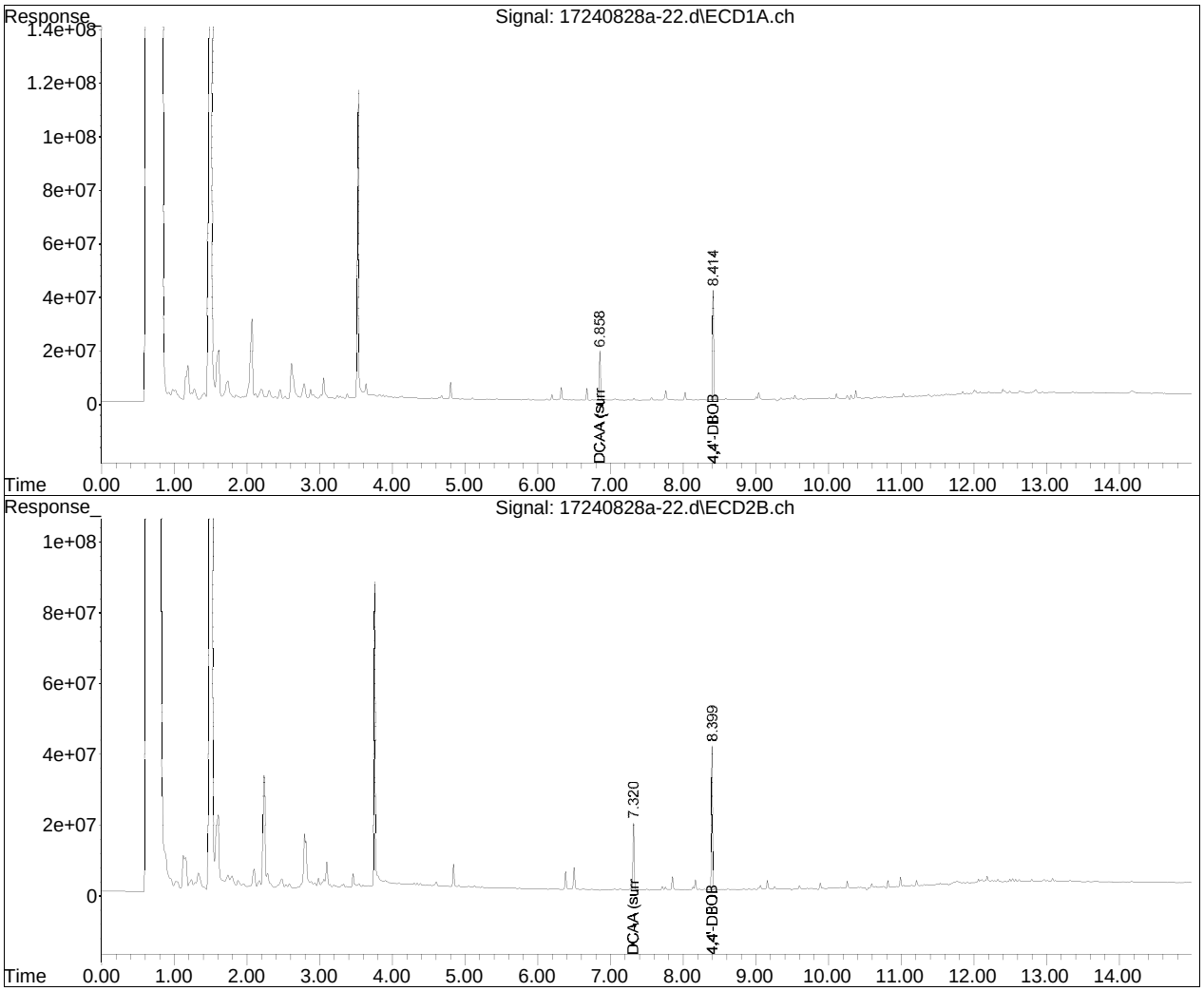
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-18.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 17:02
Operator : PEST17:mmg
Sample : L2447890-08,42,,
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 08:08:05 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:02 2024
Response via : Initial Calibration
Integrator: ChemStation

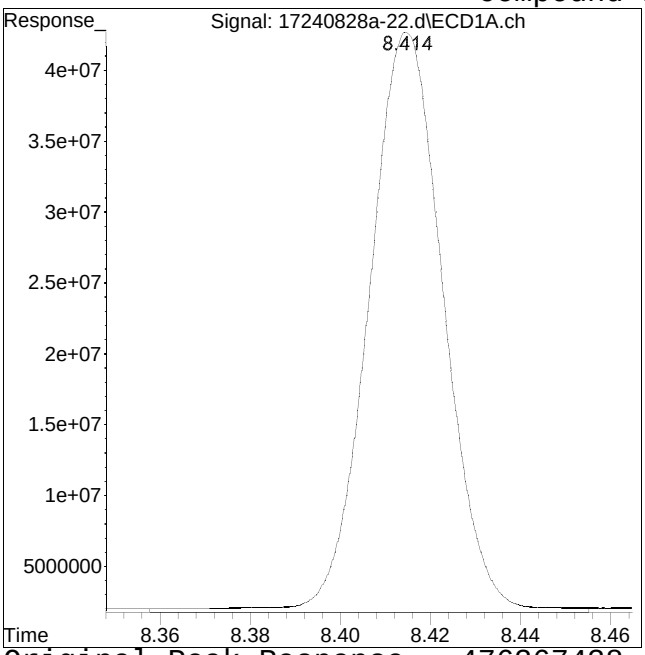
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

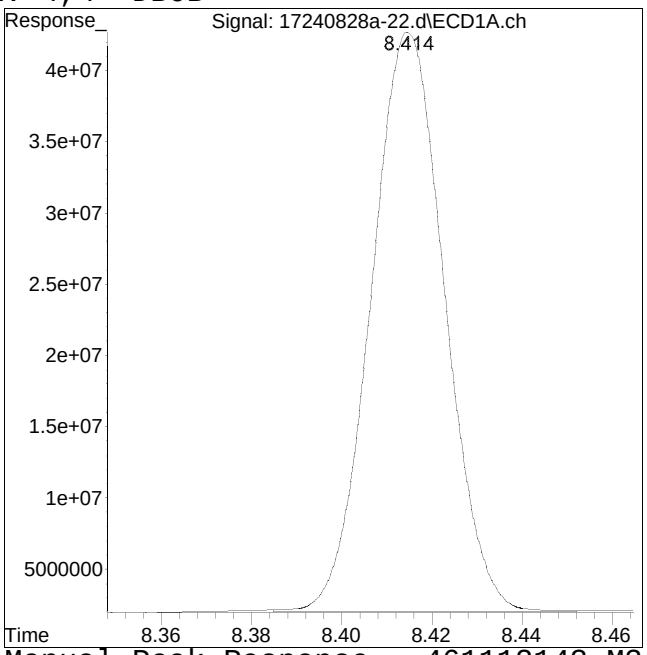


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-22.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 17:02 Instrument : Pest 17
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:08 am

Compound #1: 4,4'-DBOB



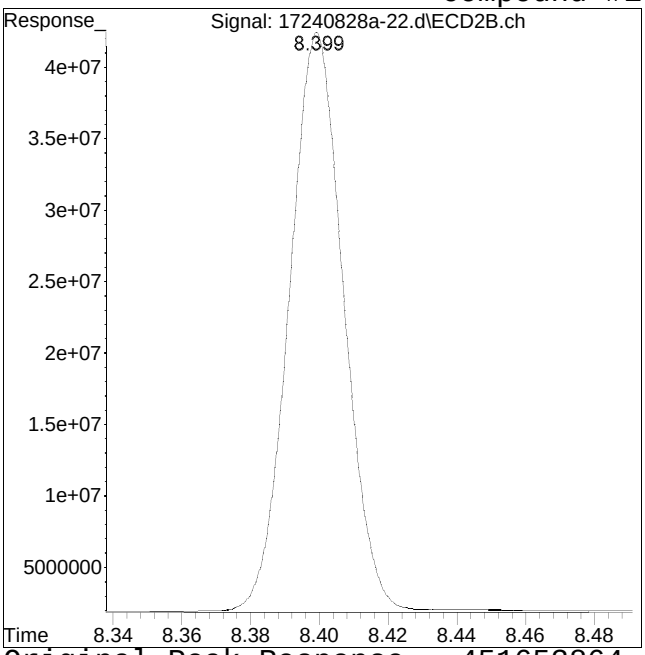


Original Peak Response = 476367438 Manual Peak Response = 461112143 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

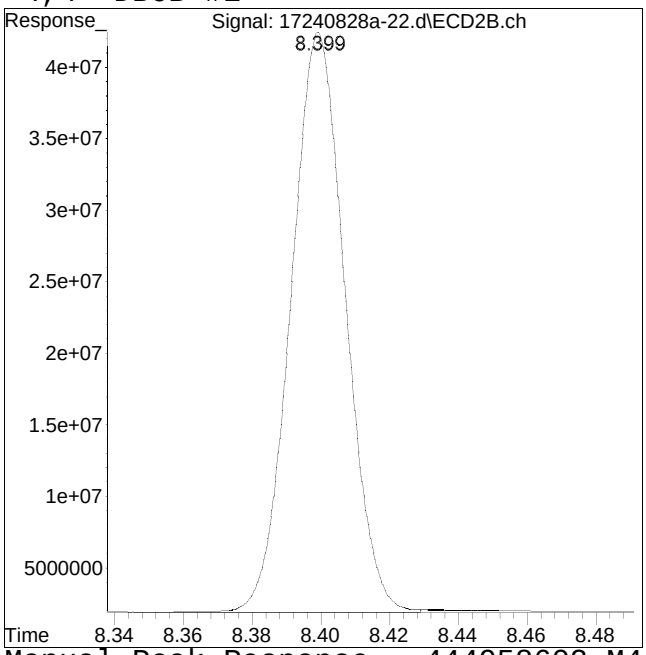
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-22.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 17:02 Instrument : Pest 17
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:08 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 451653864



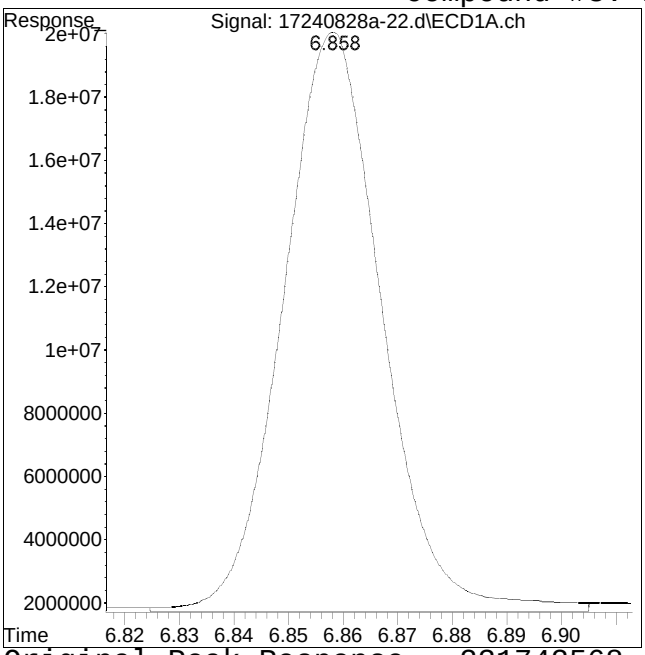
Manual Peak Response = 444958602 M4

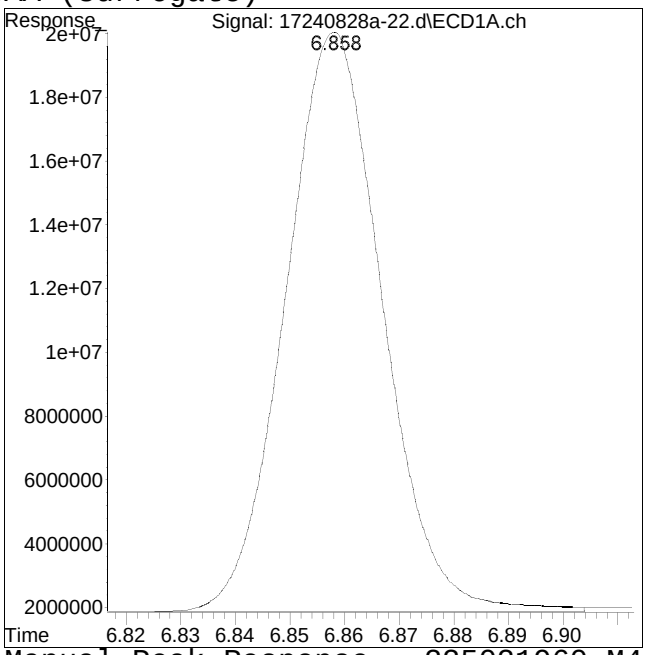
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-22.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 17:02 Instrument : Pest 17
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:08 am

Compound #3: DCAA (surrogate)



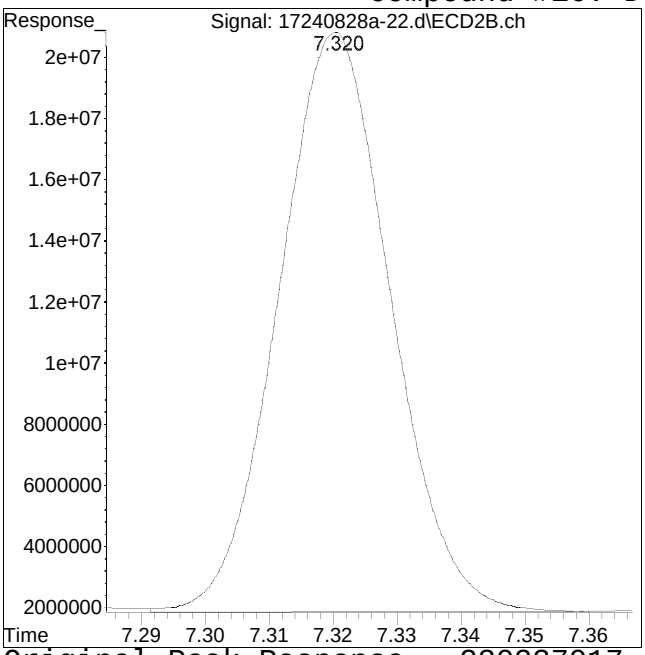


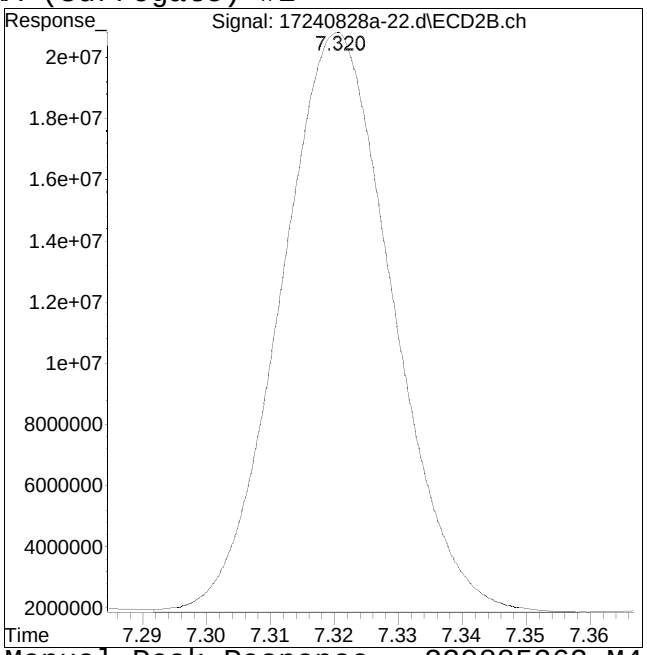
Original Peak Response = 231742568 Manual Peak Response = 225021960 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-22.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 17:02 Instrument : Pest 17
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:08 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 230337917 Manual Peak Response = 229885262 M4
M4 = Poor automated baseline construction.

Herbicides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21289**
Calibration dates	**: 07/12/24 14:41 07/12/24 16:13**		

Calibration Files

1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d

6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.183	0.159	0.147	0.137	0.127	0.127	0.147	14.60
3)	s	DCAA (surrogate)	0.205	0.183	0.169	0.147	0.141	0.140	0.164	15.99
4)	t	Dicamba	0.616	0.577	0.550	0.518	0.509	0.512	0.547	7.88
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	11.03
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9966
7)	t	Dichloroprop	0.182	0.165	0.151	0.140	0.139	0.140	0.153	11.32
8)	t	2,4-D	0.207	0.188	0.174	0.161	0.160	0.163	0.176	10.51
9)	t	2,4,5-TP (Silvex)	0.699	0.674	0.658	0.634	0.643	0.656	0.661	3.52
10)	t	2,4,5-T	0.646	0.617	0.600	0.577	0.590	0.611	0.607	3.95
11)	t	2,4-DB	0.115	0.106	0.100	0.092	0.092	0.093	0.100	9.21
12)	t	Dinoseb	0.329	0.303	0.283	0.260	0.253	0.249	0.280	11.36

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21289**
Calibration dates	**: 07/12/24 14:41 07/12/24 16:13**		

Signal #2 Calibration Files

1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d

6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.269	0.228	0.202	0.186	0.173	0.173	0.205	18.31
3)	s	DCAA (surrogate)	0.258	0.231	0.209	0.184	0.173	0.169	0.204	17.43
4)	t	Dicamba	0.692	0.645	0.605	0.559	0.541	0.540	0.597	10.35
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	9.40
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9983
7)	t	Dichloroprop	0.237	0.214	0.193	0.170	0.162	0.158	0.189	16.66
8)	t	2,4-D	0.273	0.258	0.234	0.209	0.203	0.201	0.230	13.32
9)	t	2,4,5-TP (Sil	0.914	0.873	0.843	0.783	0.770	0.772	0.826	7.30
10)	t	2,4,5-T	0.881	0.838	0.798	0.745	0.741	0.743	0.791	7.46
11)	t	2,4-DB	0.152	0.142	0.131	0.120	0.118	0.119	0.130	10.94
12)	t	Dinoseb	0.541	0.512	0.482	0.448	0.445	0.446	0.479	8.41

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Calibration Files

1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D

6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Silvex)	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Signal #2 Calibration Files

1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D

6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41
12)	t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

Response Factor Report Pest 17

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024
Response Via : Initial Calibration

Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.183	0.159	0.147	0.137	0.127	0.127	0.147	14.60
3)	s	DCAA (surrogate)	0.205	0.183	0.169	0.147	0.141	0.140	0.164	15.99
4)	t	Dicamba	0.616	0.577	0.550	0.518	0.509	0.512	0.547	7.88
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	11.03
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9966
7)	t	Dichloroprop	0.182	0.165	0.151	0.140	0.139	0.140	0.153	11.32
8)	t	2,4-D	0.207	0.188	0.174	0.161	0.160	0.163	0.176	10.51
9)	t	2,4,5-TP (Sil...	0.699	0.674	0.658	0.634	0.643	0.656	0.661	3.52
10)	t	2,4,5-T	0.646	0.617	0.600	0.577	0.590	0.611	0.607	3.95
11)	t	2,4-DB	0.115	0.106	0.100	0.092	0.092	0.093	0.100	9.21
12)	t	Dinoseb	0.329	0.303	0.283	0.260	0.253	0.249	0.280	11.36

Signal #2 Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.269	0.228	0.202	0.186	0.173	0.173	0.205	18.31
3)	s	DCAA (surrogate)	0.258	0.231	0.209	0.184	0.173	0.169	0.204	17.43
4)	t	Dicamba	0.692	0.645	0.605	0.559	0.541	0.540	0.597	10.35
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	9.40
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9983
7)	t	Dichloroprop	0.237	0.214	0.193	0.170	0.162	0.158	0.189	16.66
8)	t	2,4-D	0.273	0.258	0.234	0.209	0.203	0.201	0.230	13.32
9)	t	2,4,5-TP (Sil...	0.914	0.873	0.843	0.783	0.770	0.772	0.826	7.30
10)	t	2,4,5-T	0.881	0.838	0.798	0.745	0.741	0.743	0.791	7.46
11)	t	2,4-DB	0.152	0.142	0.131	0.120	0.118	0.119	0.130	10.94

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024
Response Via : Initial Calibration

Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.541	0.512	0.482	0.448	0.445	0.446	0.479	8.41

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.435	8.420	522.8E6	562.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.878	7.341	20152394	27325418	0.059M4	0.059M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		11.80%#	11.80%#
		Target Compounds						
2)	t	Dalapon	1.899	1.922	17381182	27571565	0.057M4	0.060
4)	t	Dicamba	7.062	7.521	60576811	73194730	0.053M4	0.054M4
5)	t	MCPP	7.269	7.635	7769878	8625730	4.821M4	5.155M3
6)	t	MCPA	7.414	7.862	19766620	18317017	6.920M4	6.250M4
7)	t	Dichloroprop	7.768	8.181	17841666	25036833	0.056M4	0.059M4
8)	t	2,4-D	7.978	8.458	20321370	28931503	0.055M4	0.057M4
9)	t	2,4,5-TP (Si	8.703	9.121	69429786	97769689	0.050M4	0.053M4
10)	t	2,4,5-T	8.921	9.411	64164338	94227943	0.051M4	0.053M4
11)	t	2,4-DB	9.331	9.774	11510375	16456275	0.055M4	0.056M4
12)	t	Dinoseb	10.088	9.998	32694824	57819552	0.056M4	0.054M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

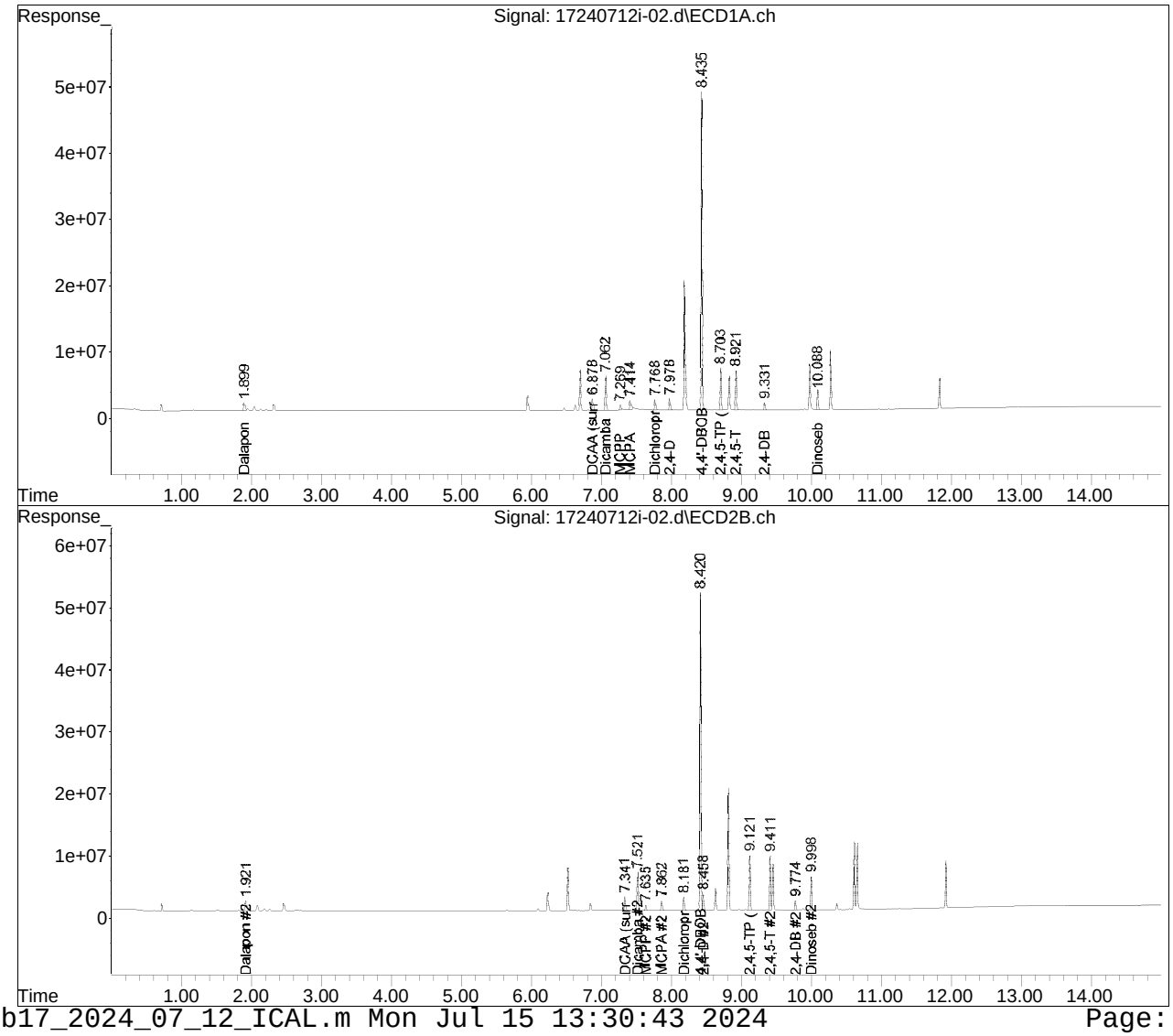
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

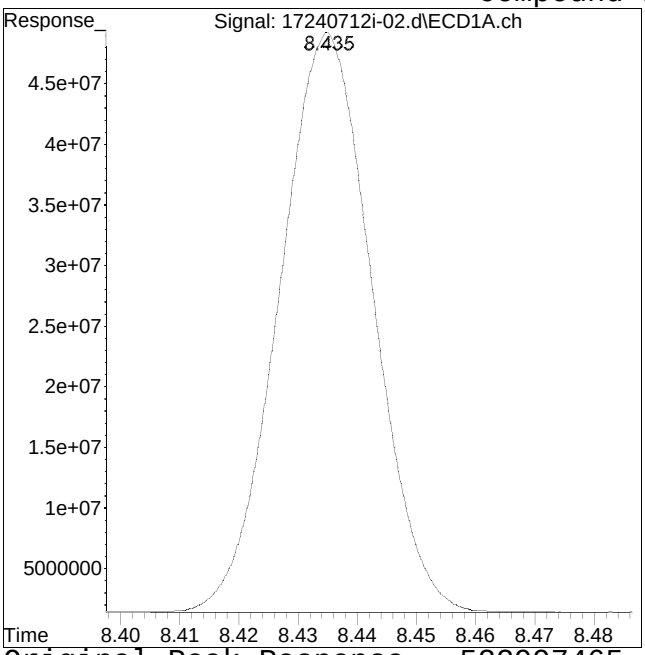
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

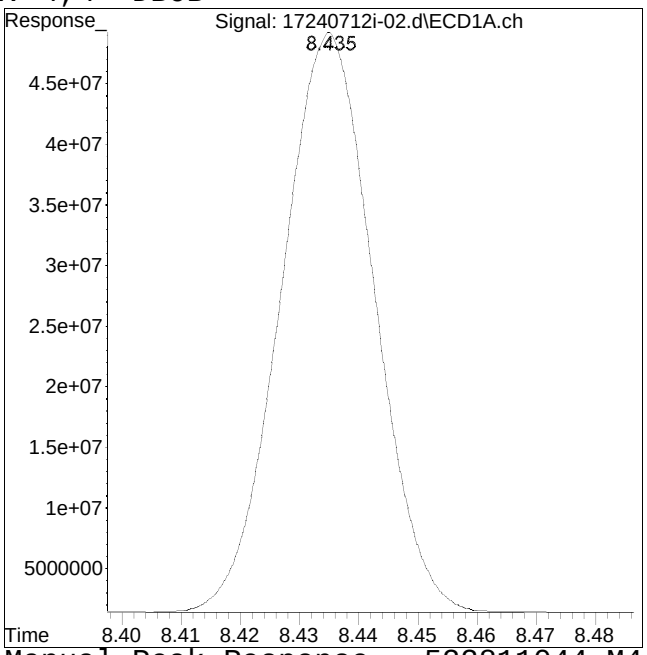


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #1: 4,4'-DBOB



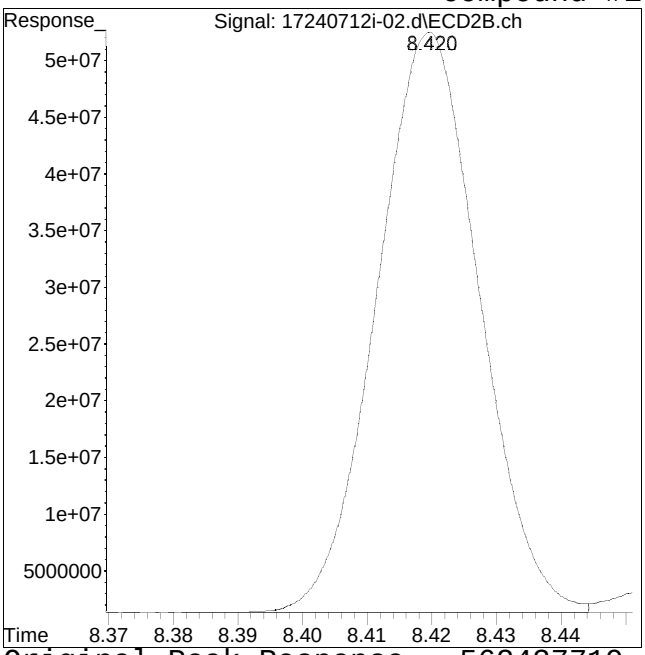


Original Peak Response = 522997465 Manual Peak Response = 522811044 M4
M4 = Poor automated baseline construction.

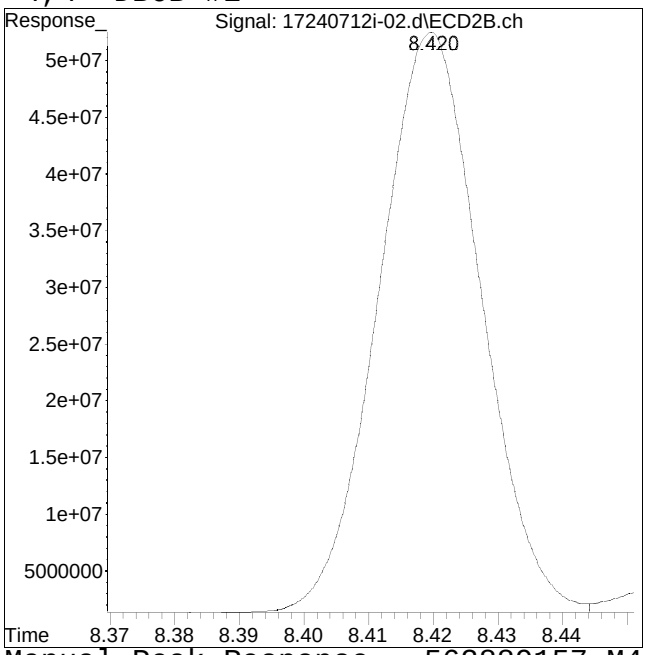
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 562437719

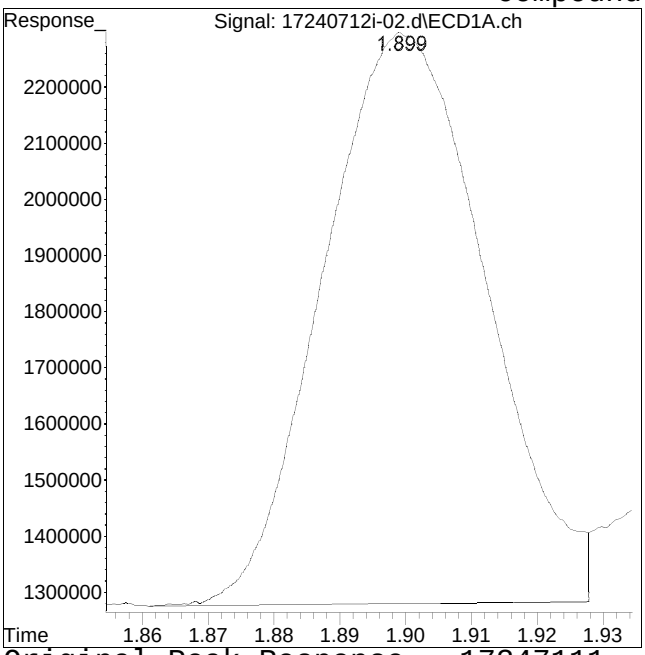


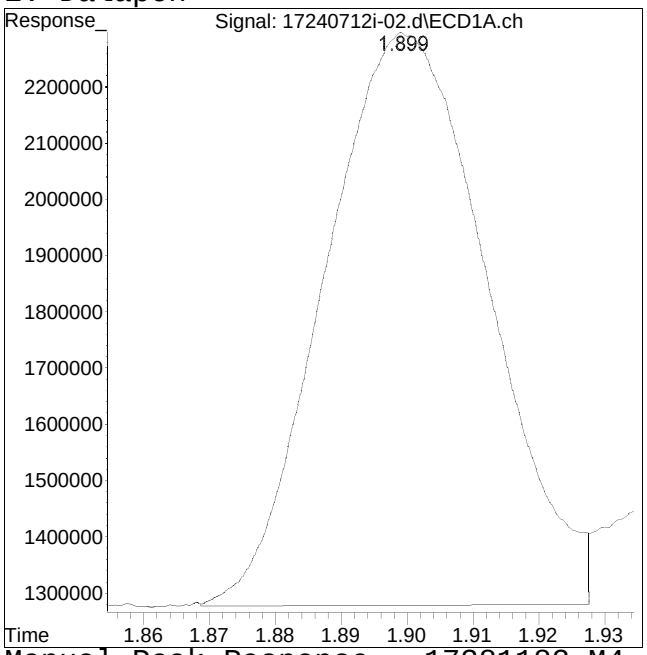
Manual Peak Response = 562889157 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #2: Dalapon



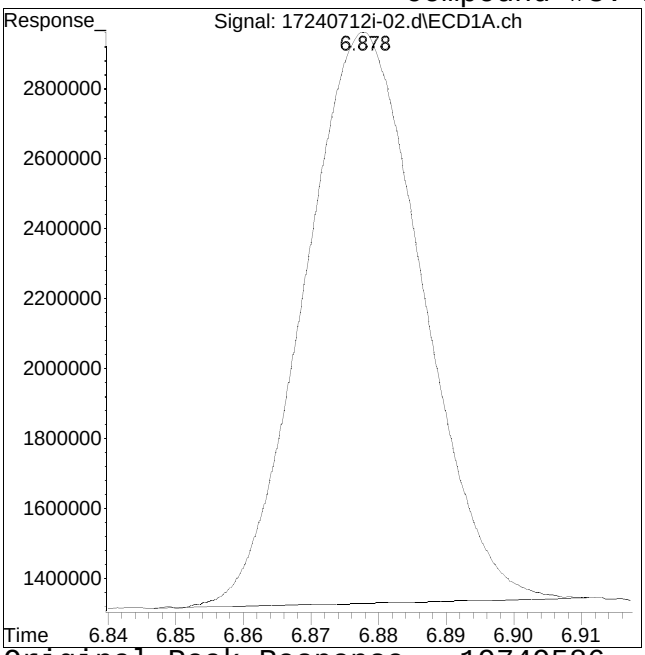


Original Peak Response = 17347111 Manual Peak Response = 17381182 M4
M4 = Poor automated baseline construction.

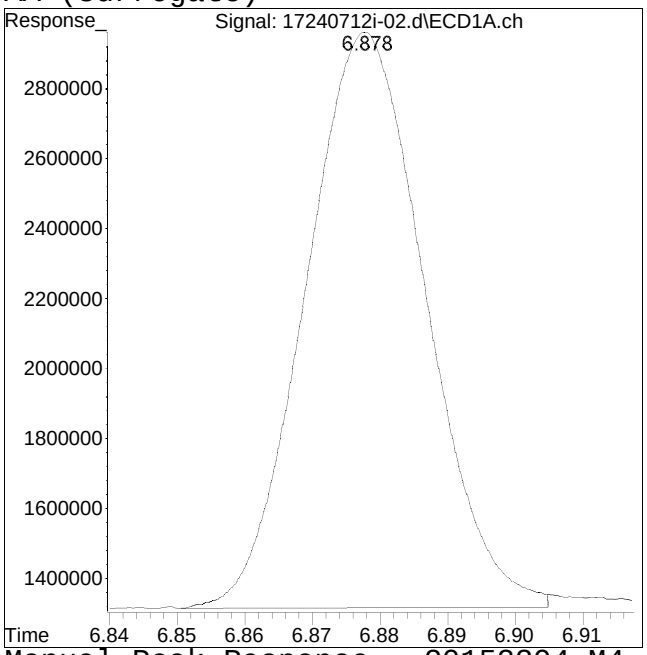
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #3: DCAA (surrogate)



Original Peak Response = 19749586



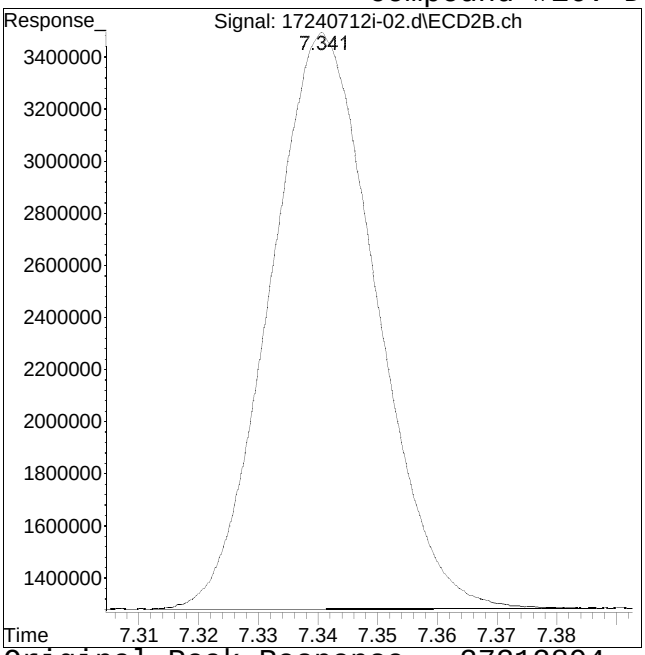
Manual Peak Response = 20152394 M4

M4 = Poor automated baseline construction.

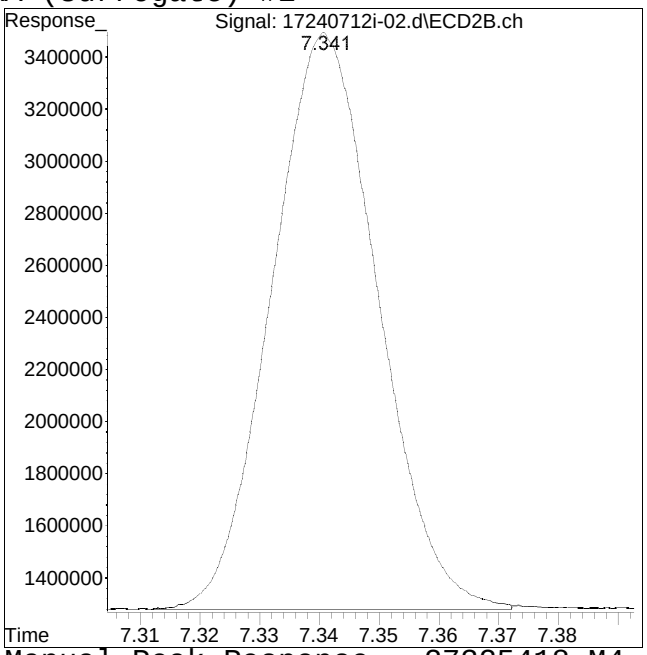
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 27312894



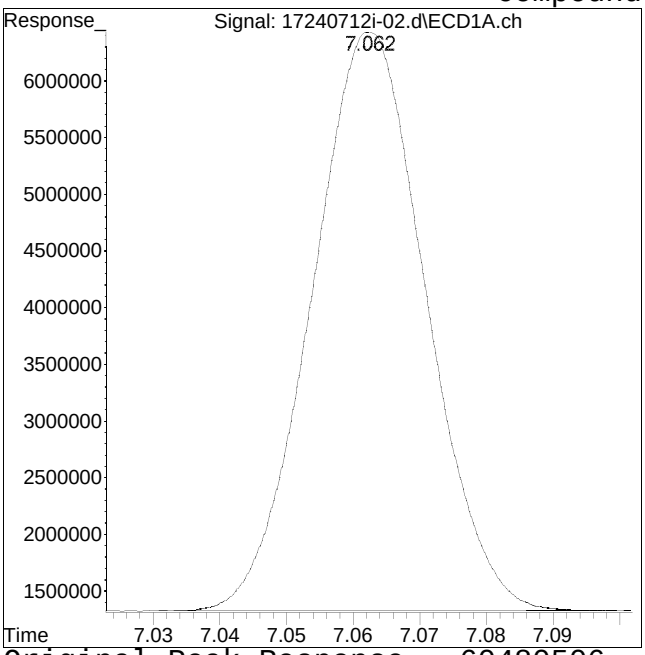
Manual Peak Response = 27325418 M4

M4 = Poor automated baseline construction.

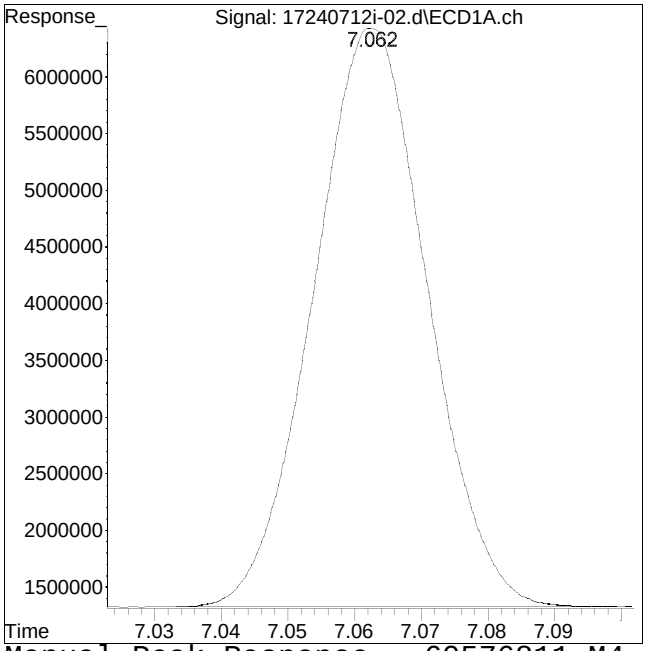
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #4: Dicamba



Original Peak Response = 60480506



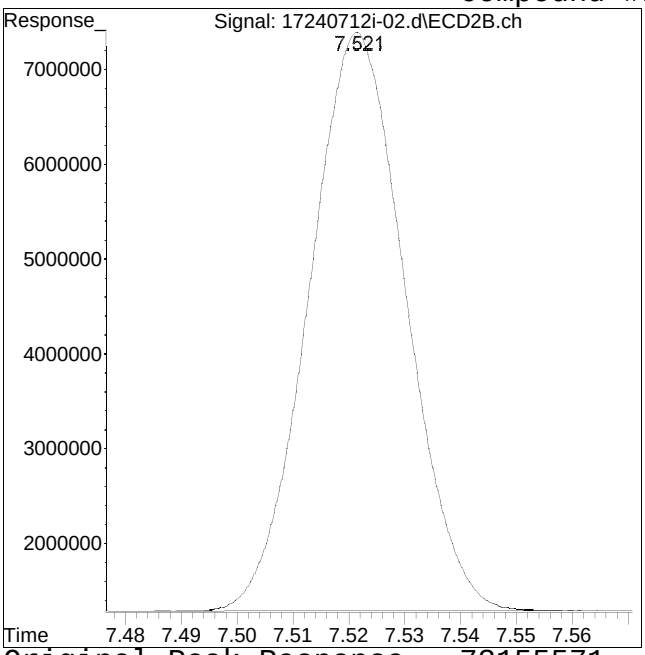
Manual Peak Response = 60576811 M4

M4 = Poor automated baseline construction.

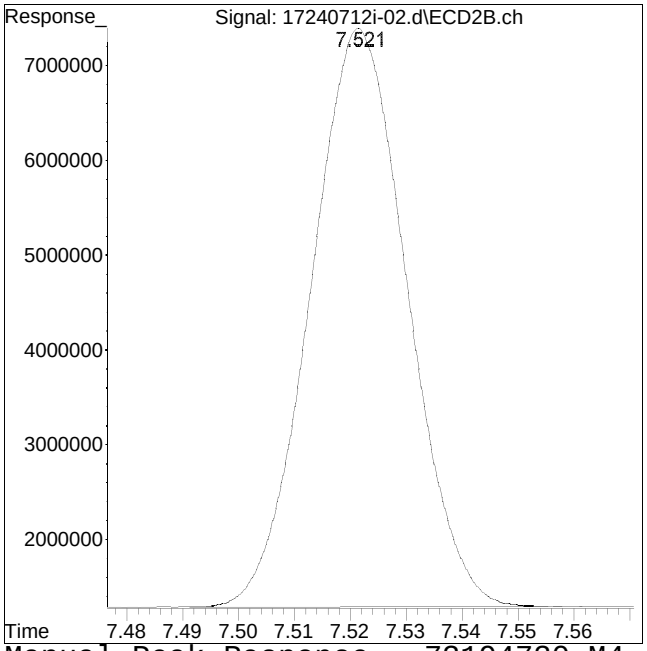
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #17: Dicamba #2



Original Peak Response = 73155571



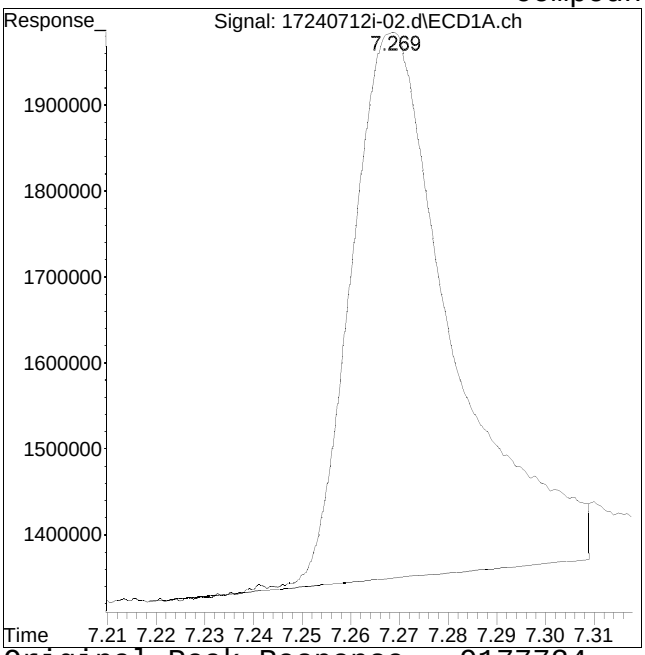
Manual Peak Response = 73194730 M4

M4 = Poor automated baseline construction.

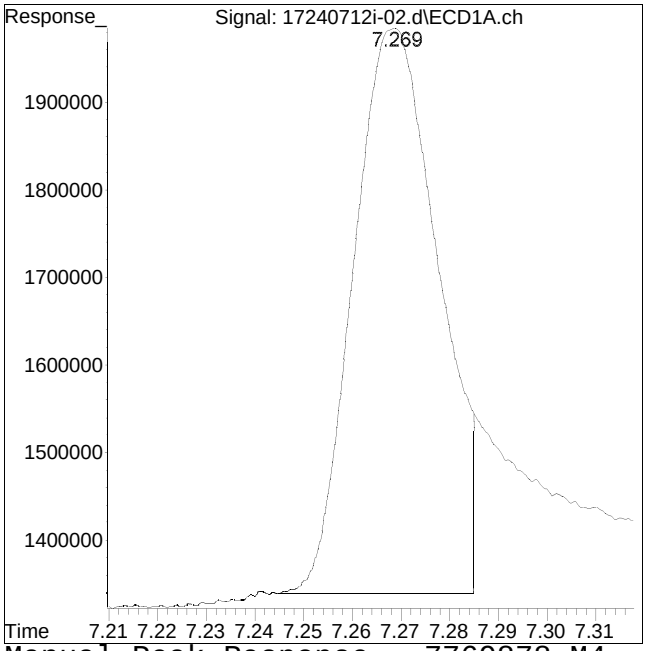
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #5: MCPP



Original Peak Response = 9177724



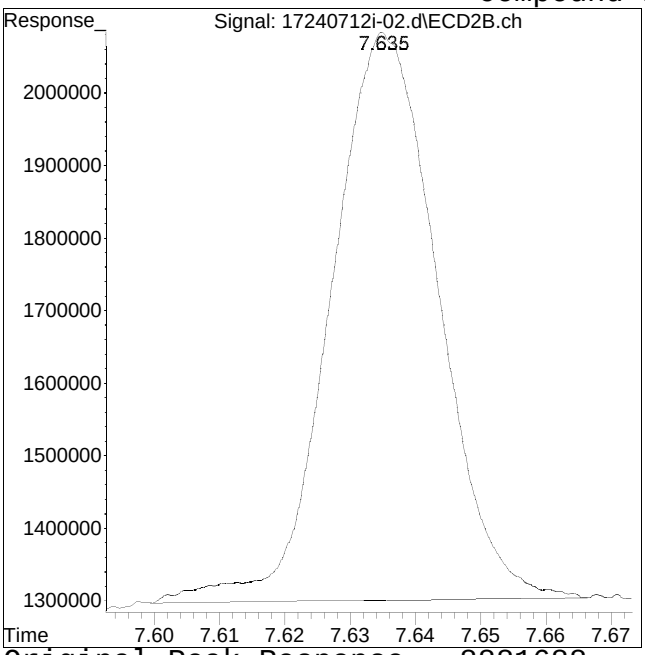
Manual Peak Response = 7769878 M4

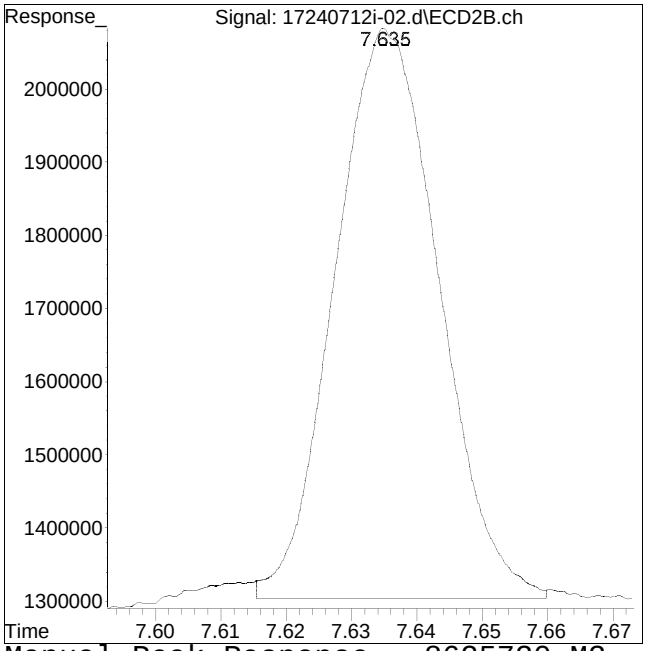
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #18: MCPP #2



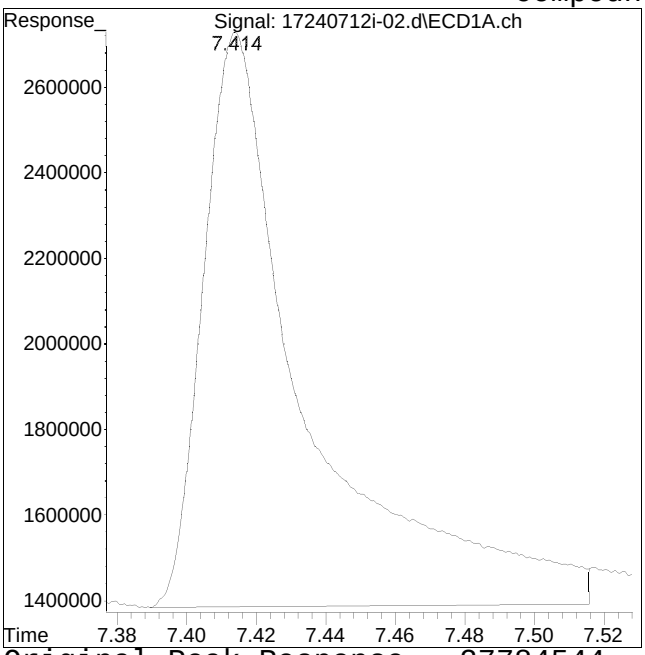


Original Peak Response = 8881688 Manual Peak Response = 8625730 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

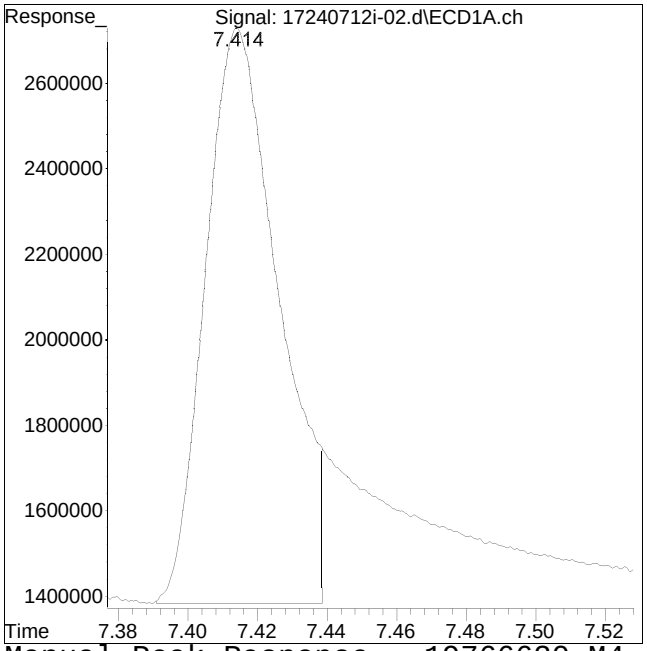
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #6: MCPA



Original Peak Response = 27784544

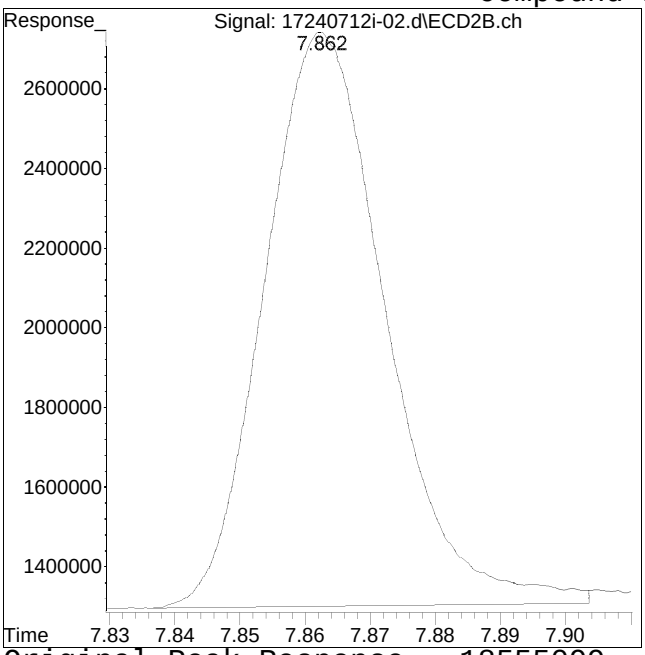


Manual Peak Response = 19766620 M4
M4 = Poor automated baseline construction.

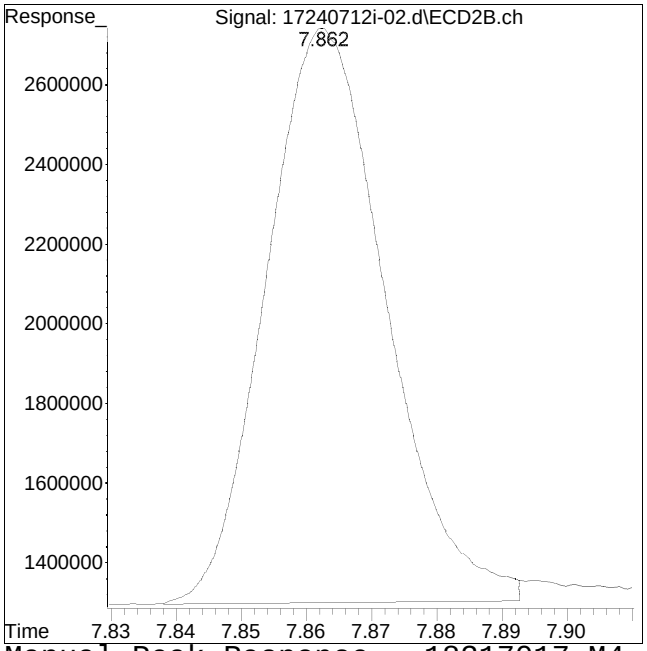
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #19: MCPA #2



Original Peak Response = 18555099



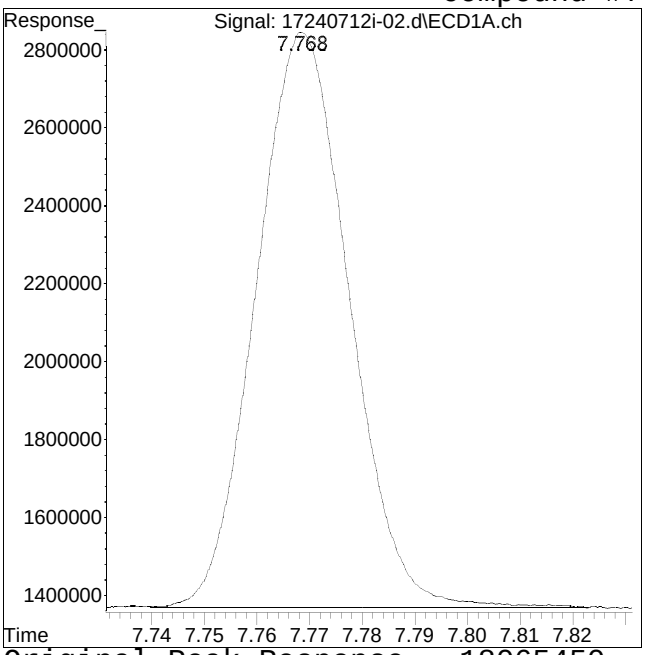
Manual Peak Response = 18317017 M4

M4 = Poor automated baseline construction.

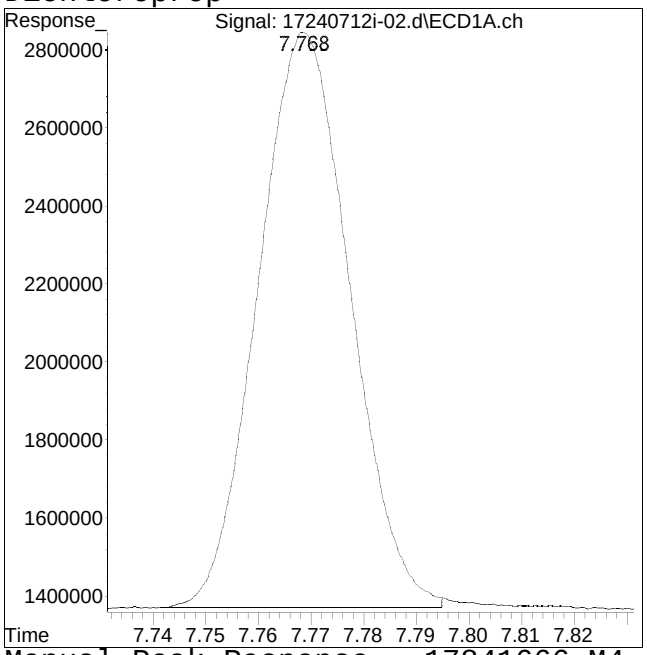
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #7: Dichloroprop



Original Peak Response = 18065450



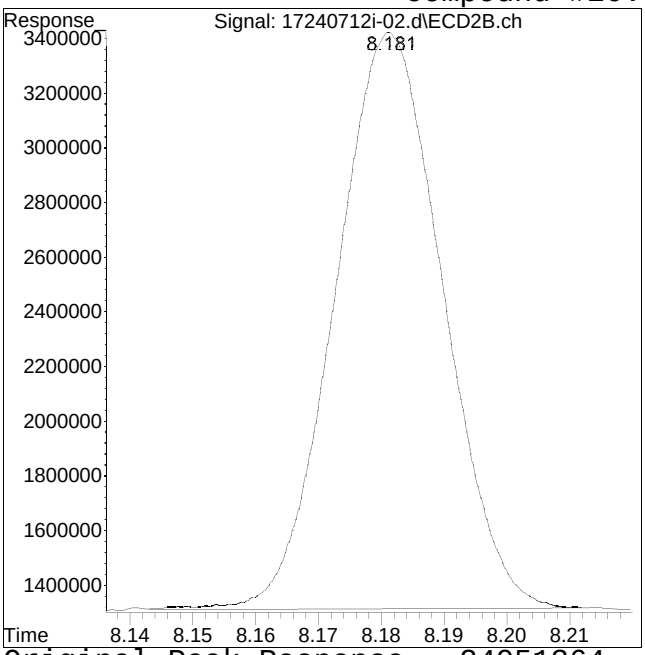
Manual Peak Response = 17841666 M4

M4 = Poor automated baseline construction.

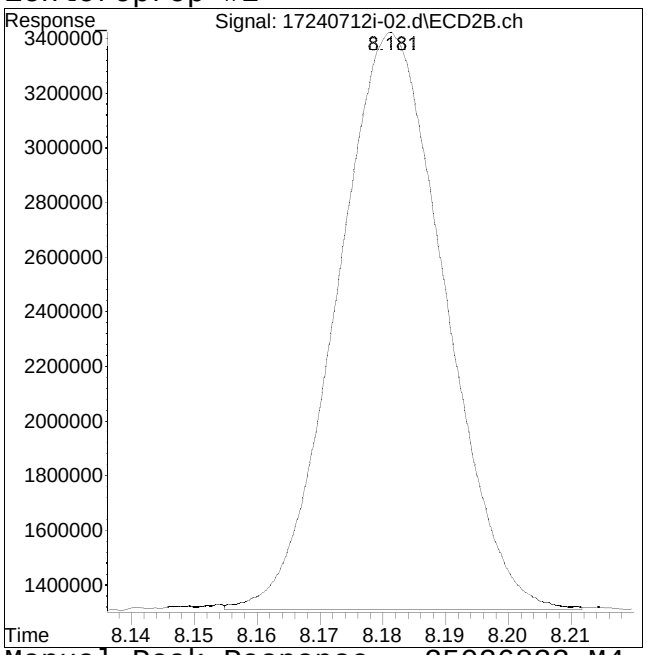
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #20: Dichloroprop #2



Original Peak Response = 24951364



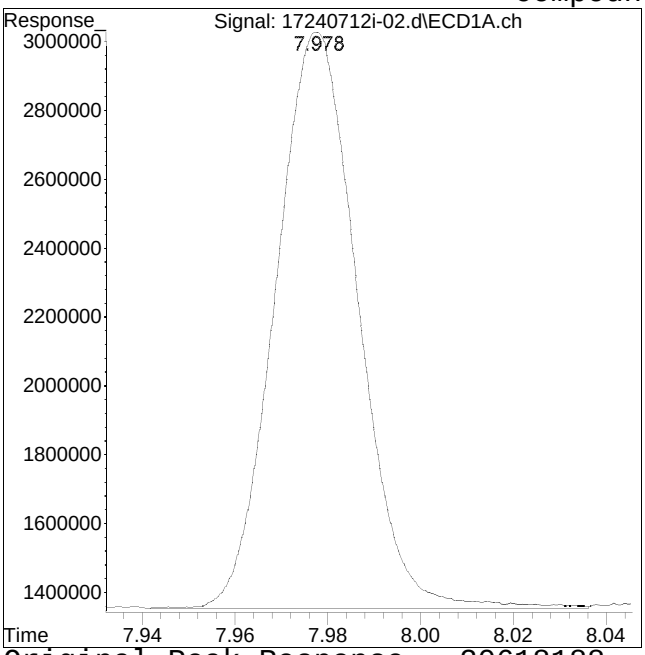
Manual Peak Response = 25036833 M4

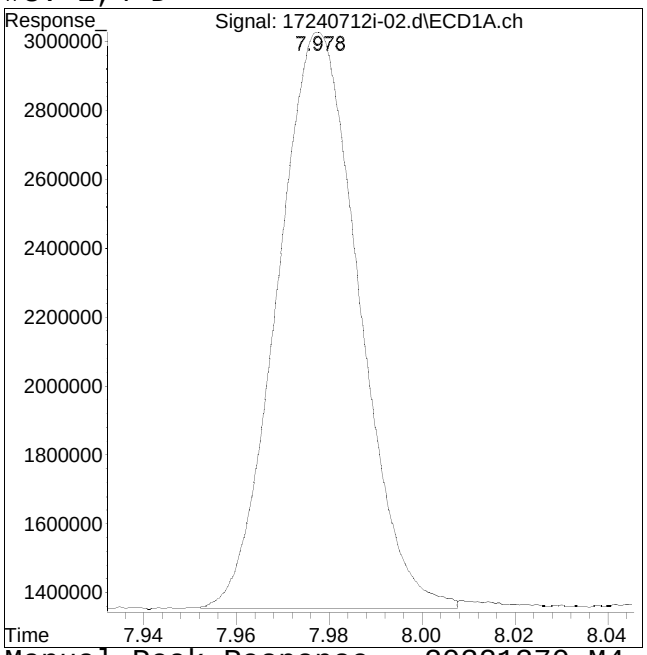
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #8: 2,4-D



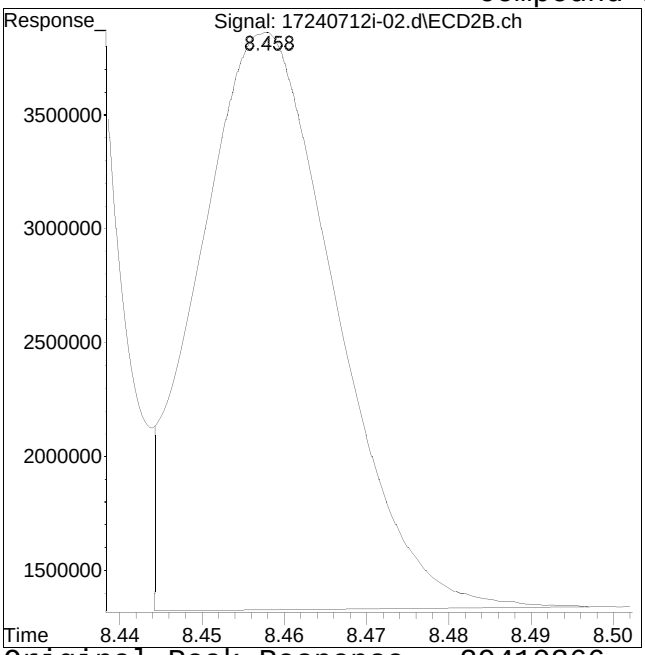


Original Peak Response = 20618188 Manual Peak Response = 20321370 M4
M4 = Poor automated baseline construction.

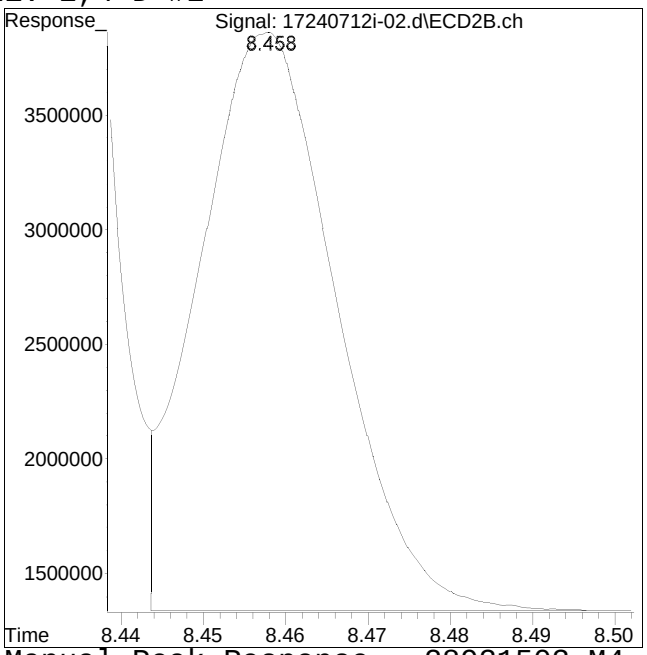
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #21: 2,4-D #2



Original Peak Response = 29410366



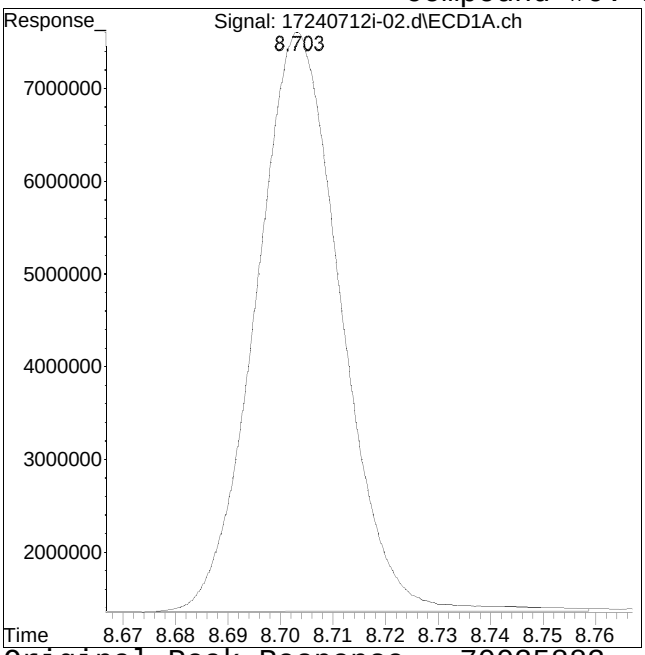
Manual Peak Response = 28931503 M4

M4 = Poor automated baseline construction.

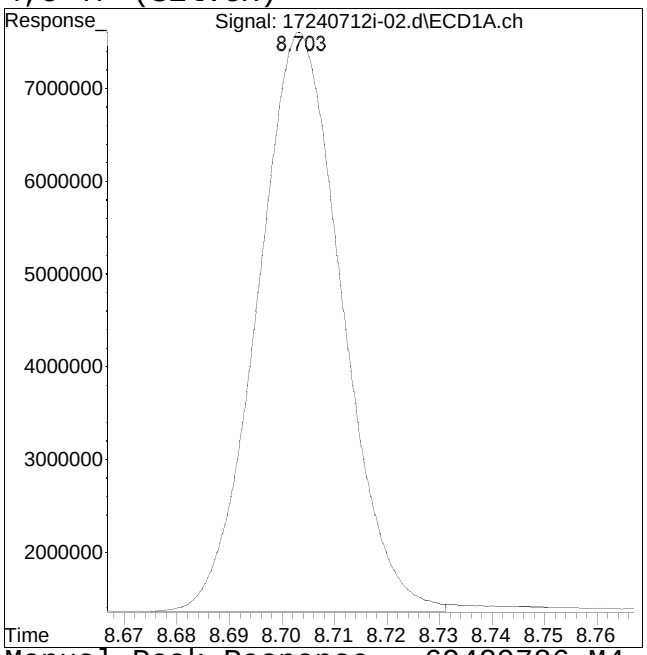
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 70035883



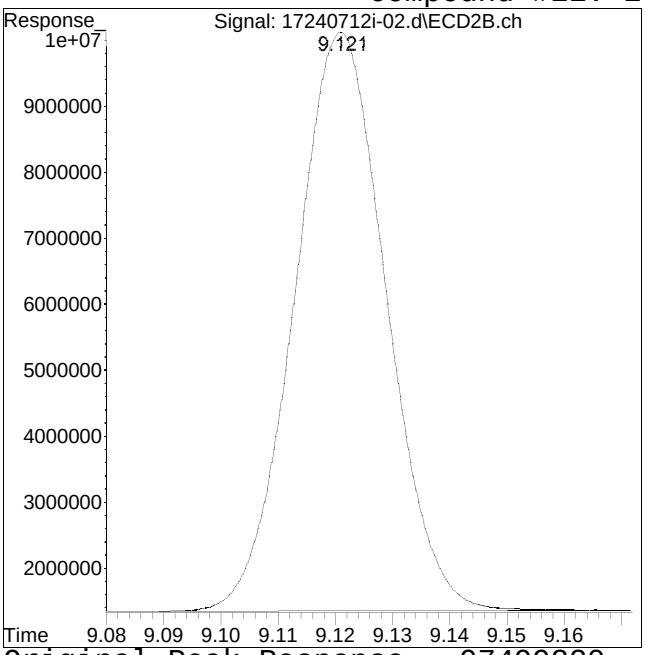
Manual Peak Response = 69429786 M4

M4 = Poor automated baseline construction.

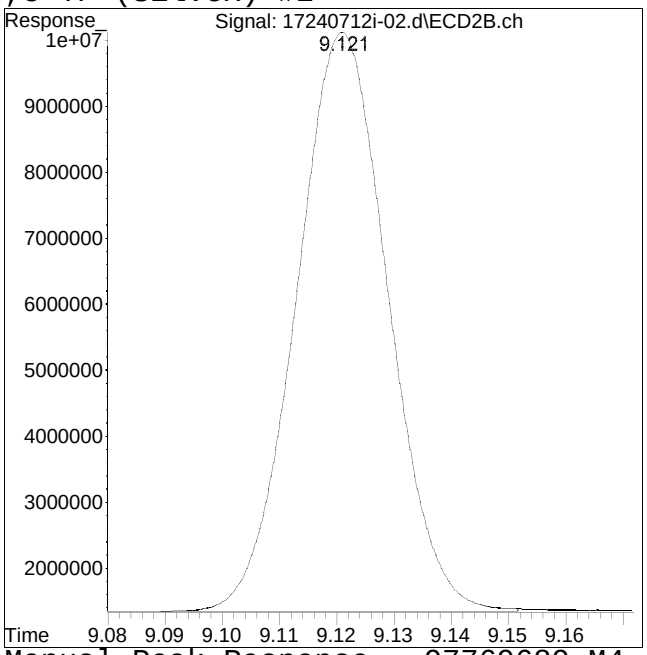
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 97499220



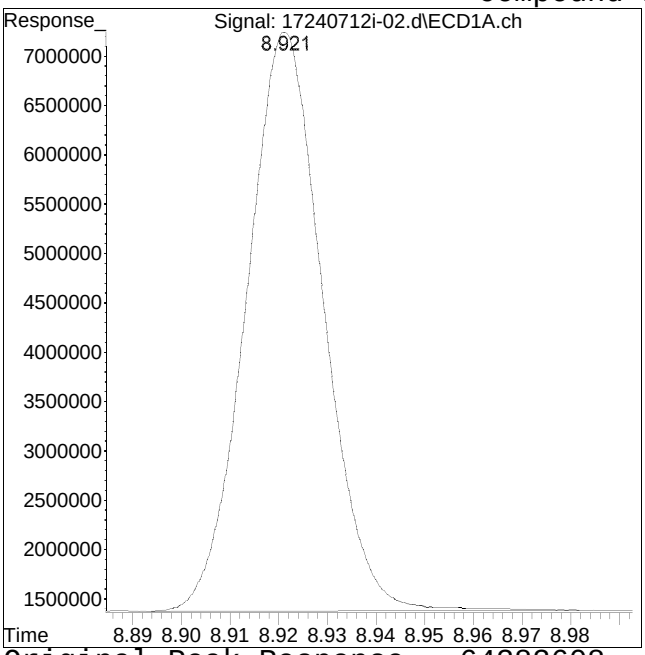
Manual Peak Response = 97769689 M4

M4 = Poor automated baseline construction.

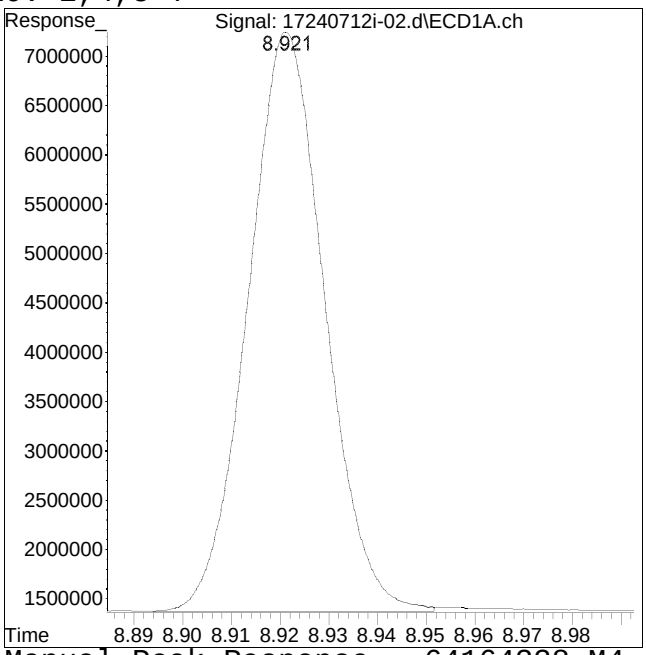
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #10: 2,4,5-T



Original Peak Response = 64383608



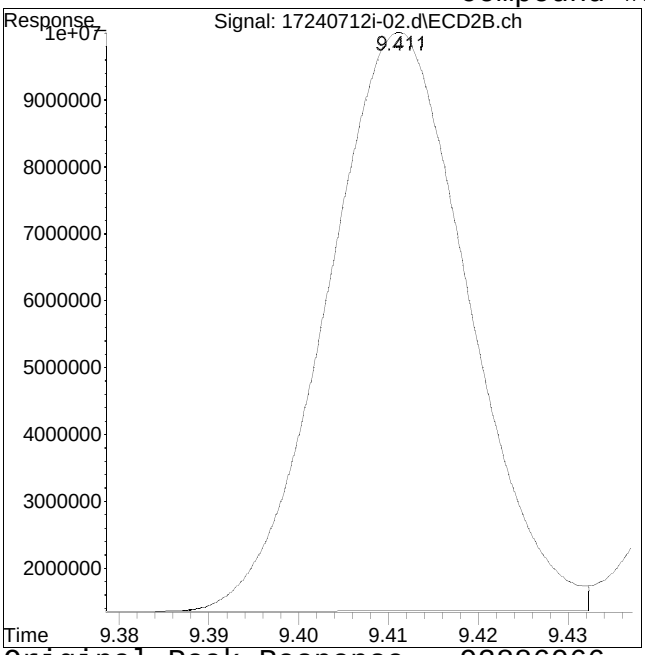
Manual Peak Response = 64164338 M4

M4 = Poor automated baseline construction.

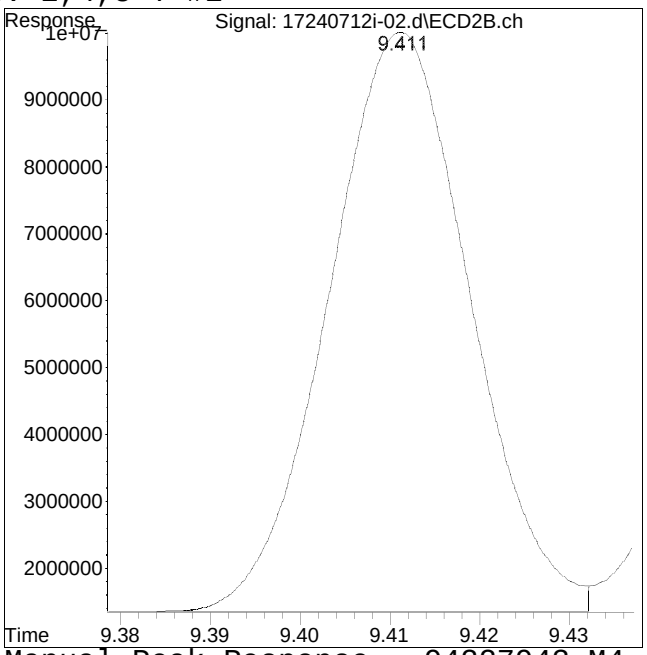
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #23: 2,4,5-T #2



Original Peak Response = 93886066

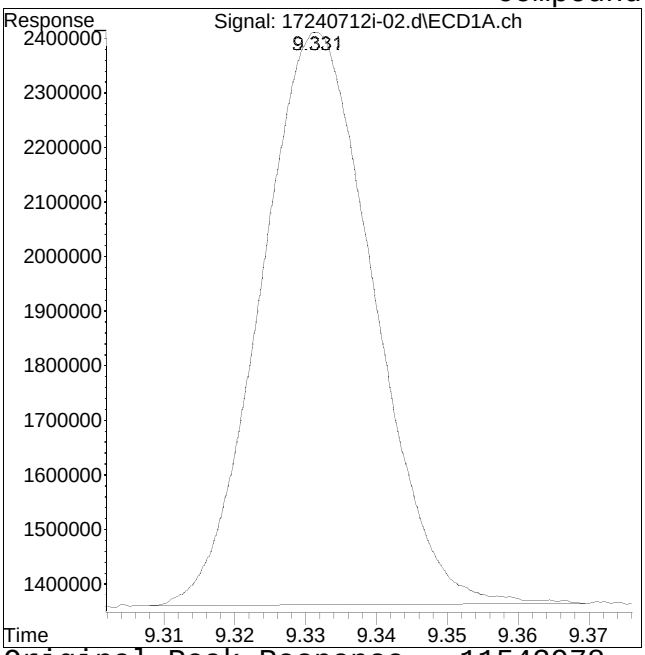


Manual Peak Response = 94227943 M4
M4 = Poor automated baseline construction.

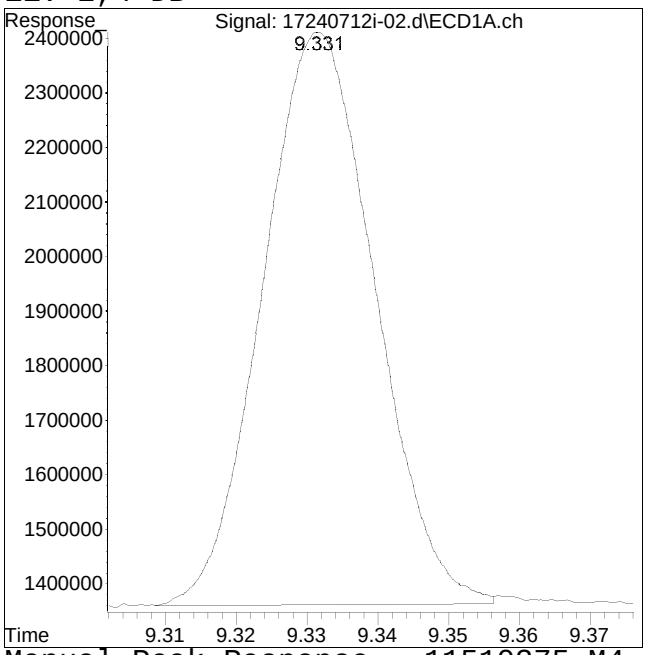
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #11: 2,4-DB



Original Peak Response = 11543978

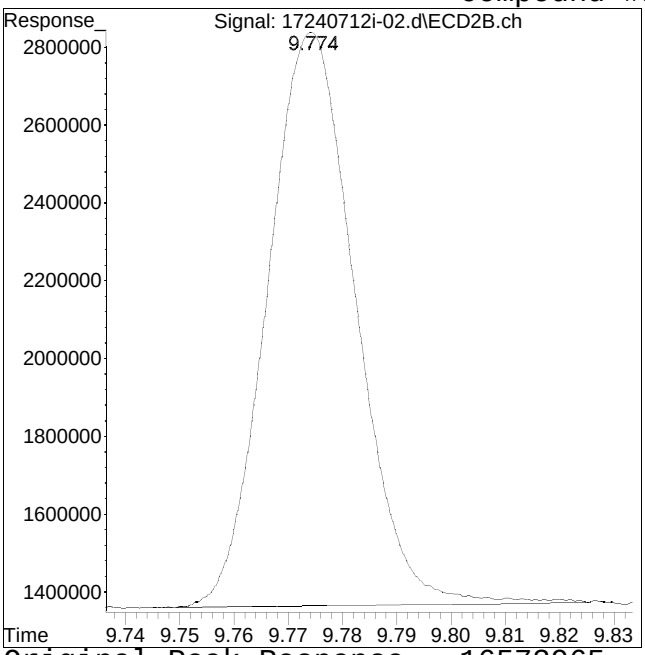


Manual Peak Response = 11510375 M4
M4 = Poor automated baseline construction.

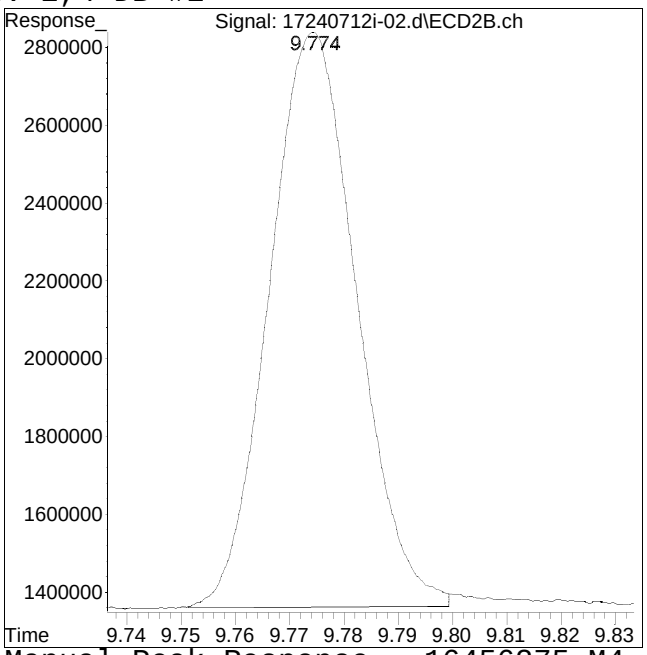
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #24: 2,4-DB #2



Original Peak Response = 16573965



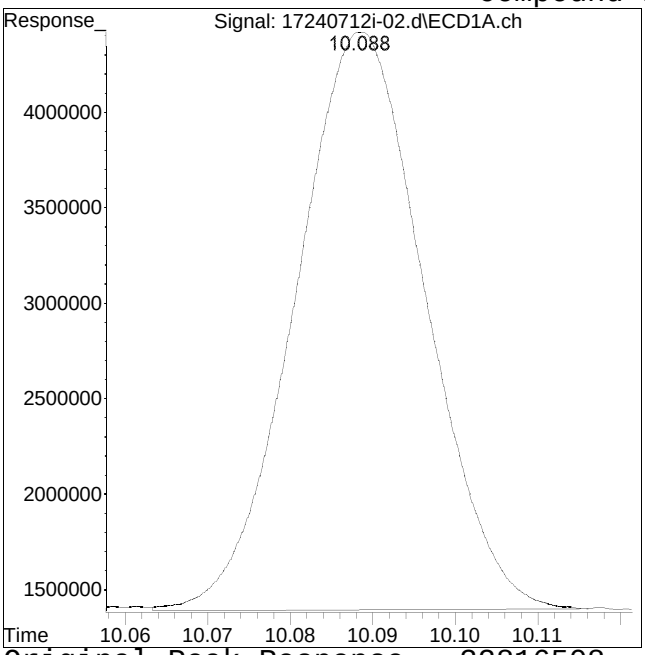
Manual Peak Response = 16456275 M4

M4 = Poor automated baseline construction.

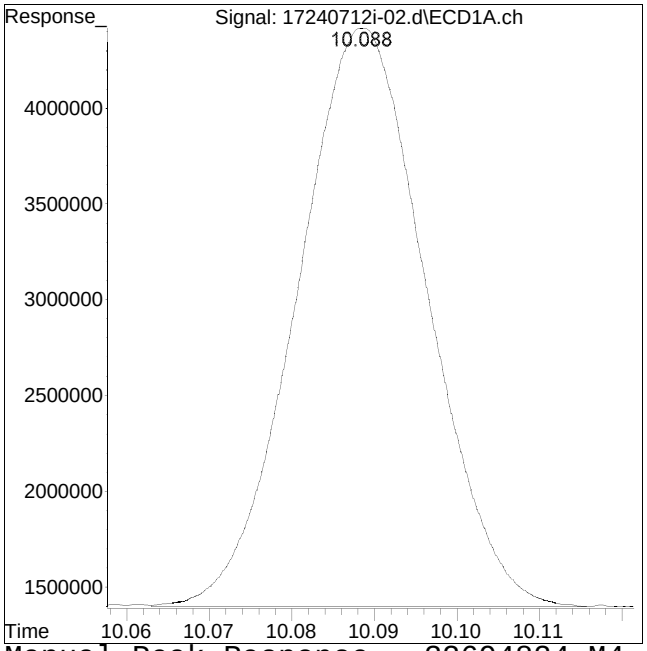
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #12: Dinoseb



Original Peak Response = 32816508



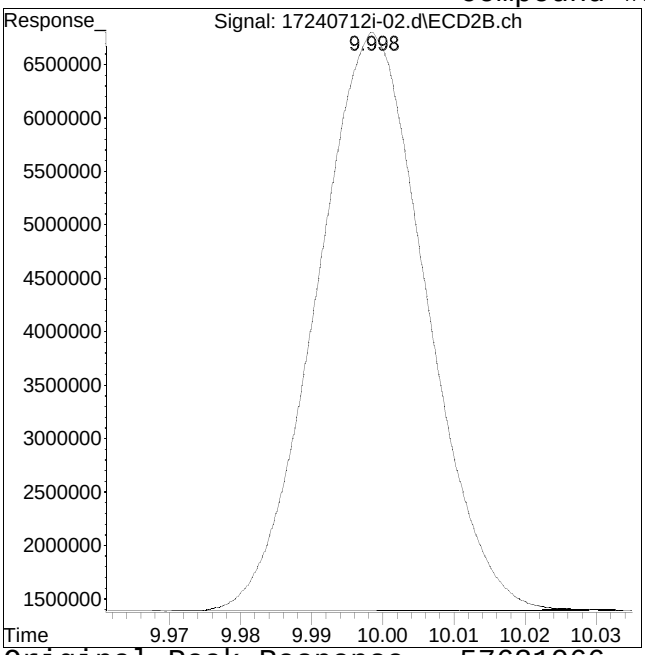
Manual Peak Response = 32694824 M4

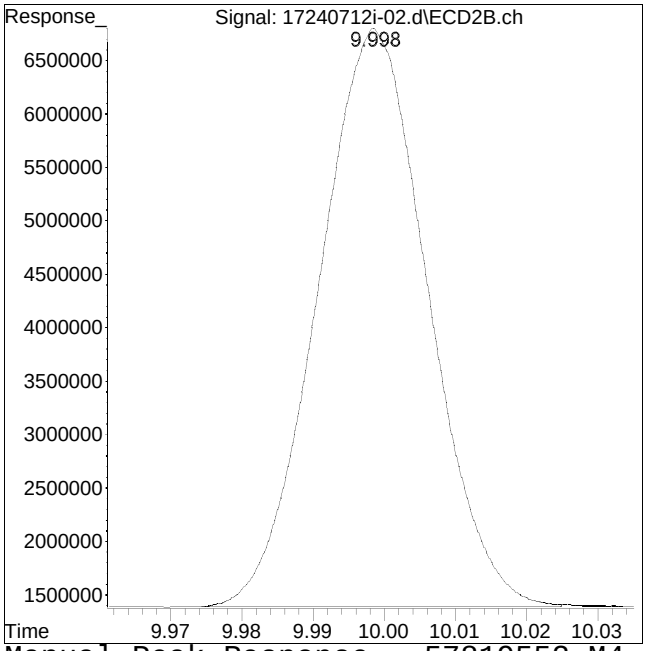
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #25: Dinoseb #2





Original Peak Response = 57631066 Manual Peak Response = 57819552 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.419	558.5E6	591.1E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.340	38447856	51367957	0.110M4	0.112M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	22.00%#	22.40%#
		Target Compounds						
2)	t	Dalapon	1.899	1.922	32330733	48995358	0.104M4	0.108M4
4)	t	Dicamba	7.061	7.521	121.2E6	143.3E6	0.102M4	0.105M4
5)	t	MCPP	7.267	7.635	18783491	18354827	10.968M4	10.652M3
6)	t	MCPA	7.412	7.862	35304359	33696672	12.823M4	11.759M4
7)	t	Dichloroprop	7.766	8.181	34637890	47562773	0.105M4	0.112M4
8)	t	2,4-D	7.975	8.457	39411355	57422212	0.104M4	0.111M4
9)	t	2,4,5-TP (Si	8.702	9.121	143.1E6	196.1E6	0.098M4	0.103M4
10)	t	2,4,5-T	8.920	9.410	131.0E6	188.3E6	0.098M4	0.103M4
11)	t	2,4-DB	9.330	9.773	22835554	32242869	0.106M4	0.108M4
12)	t	Dinoseb	10.087	9.997	64348355	115.1E6	0.107M4	0.104M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

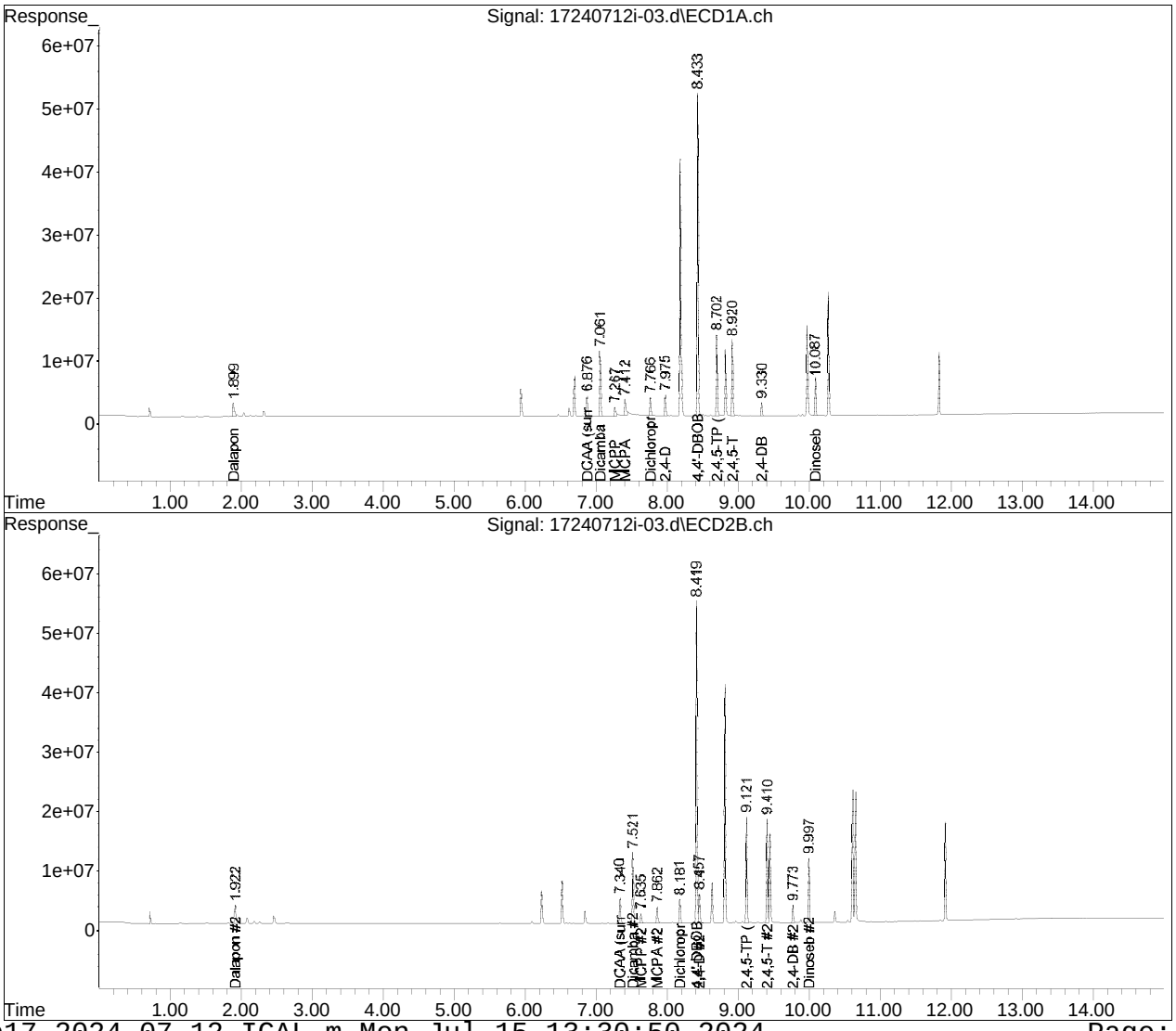
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

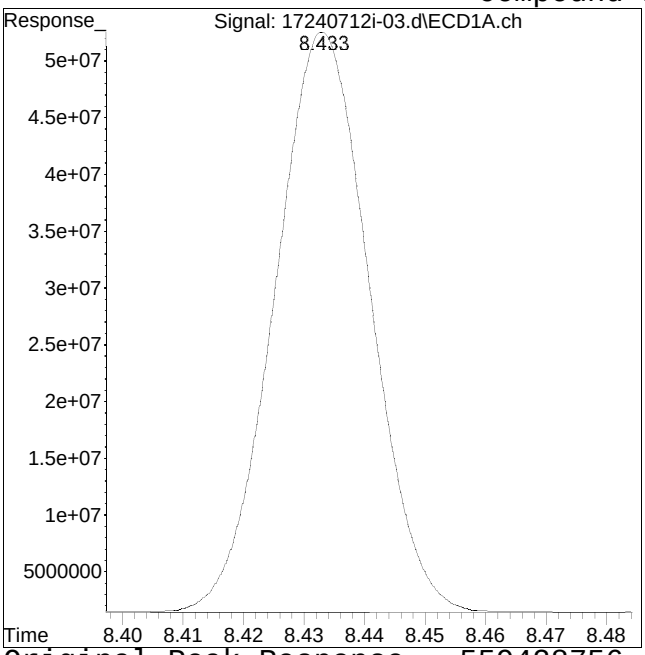
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



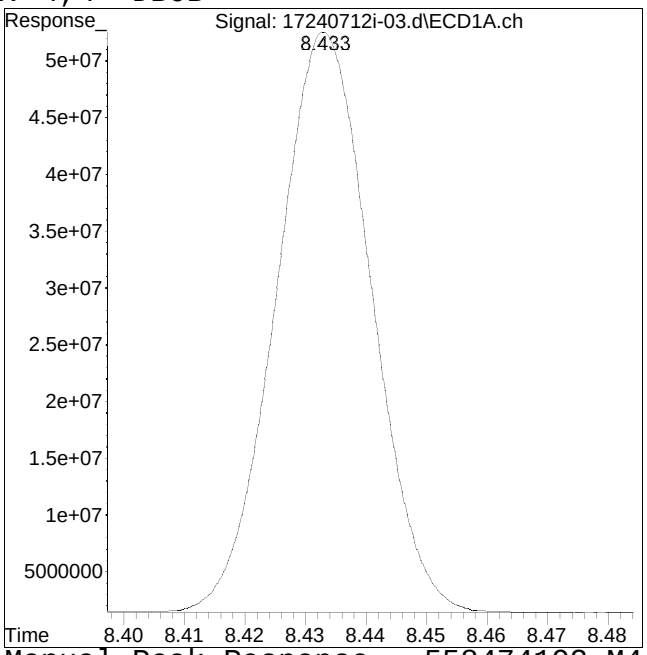
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #1: 4,4'-DBOB



Original Peak Response = 559428756

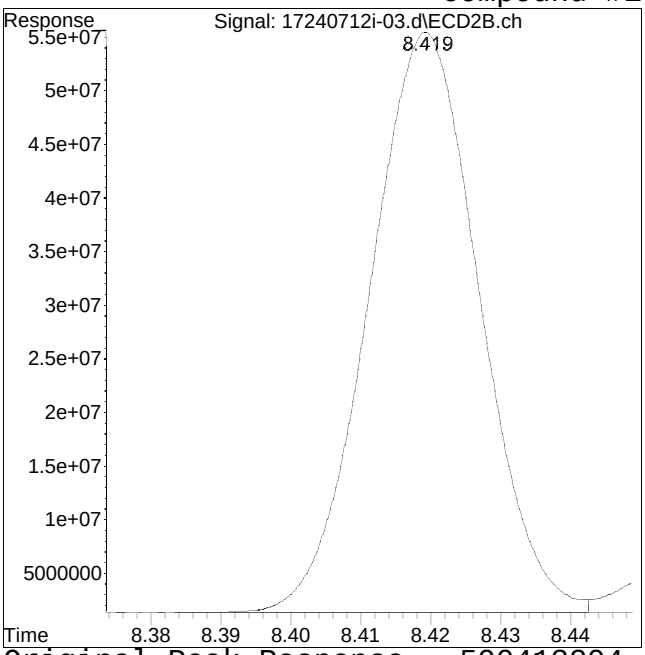


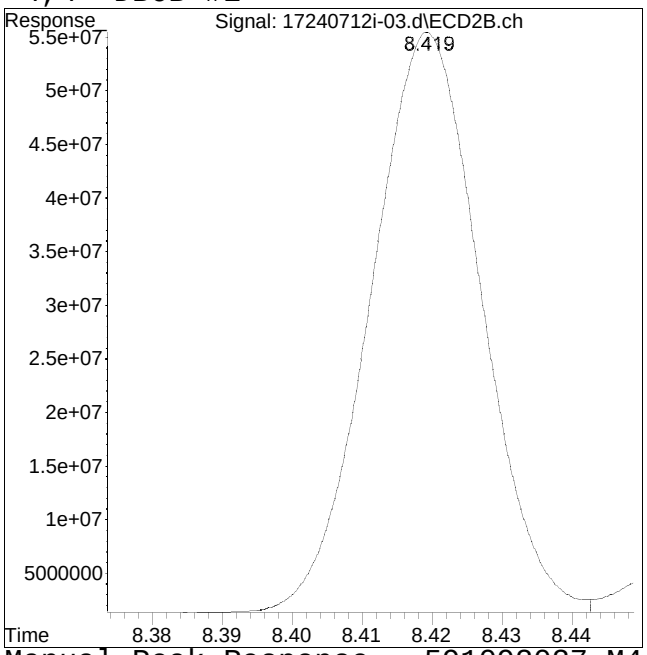
Manual Peak Response = 558474192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #14: 4,4'-DBOB #2



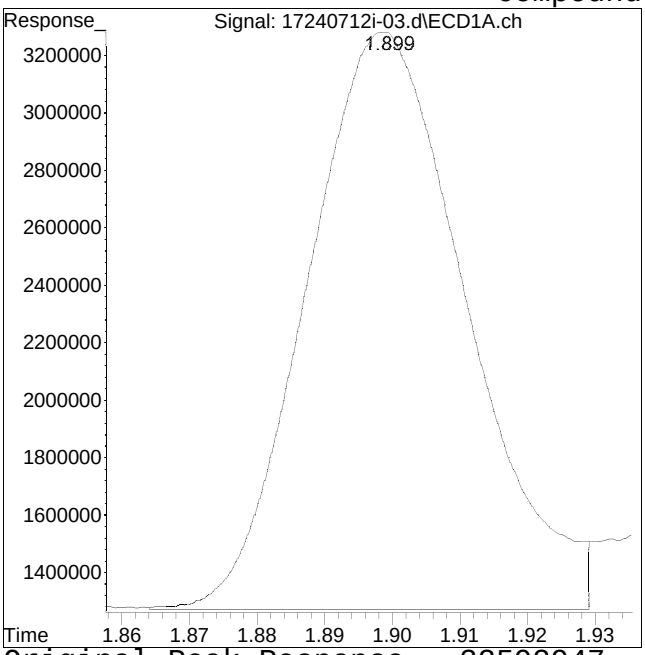


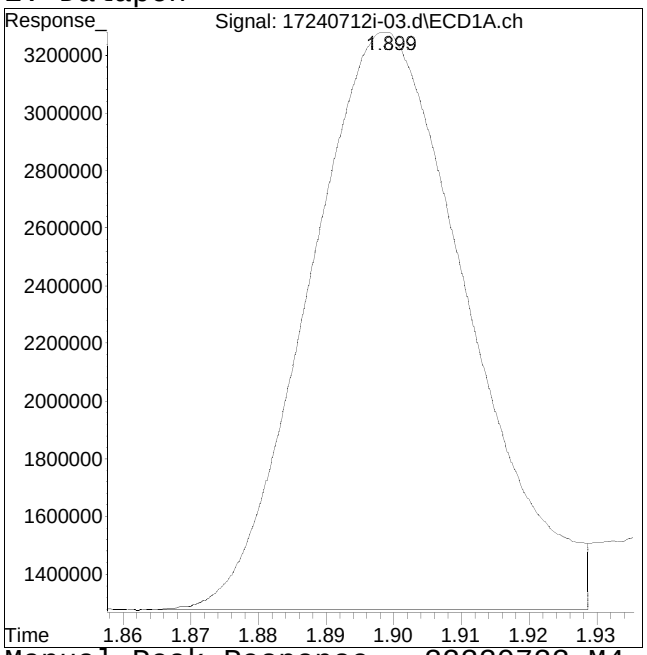
Original Peak Response = 590413204 Manual Peak Response = 591092027 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #2: Dalapon



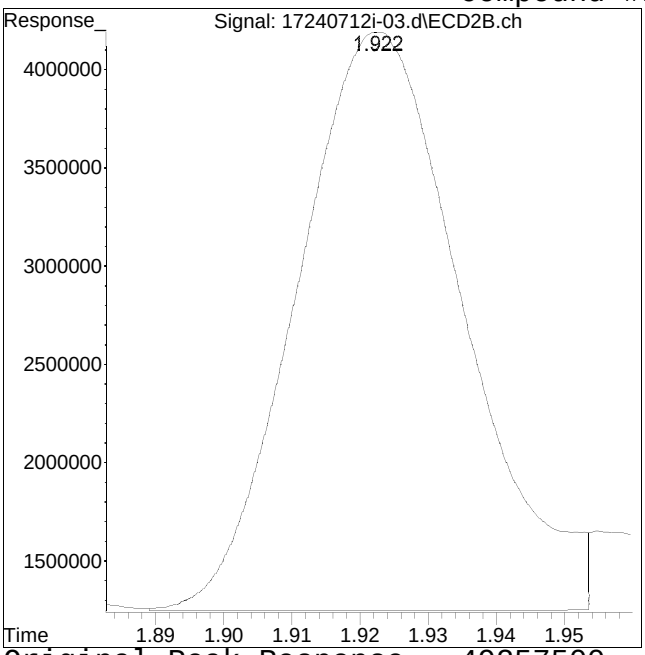


Original Peak Response = 32592947 Manual Peak Response = 32330733 M4
M4 = Poor automated baseline construction.

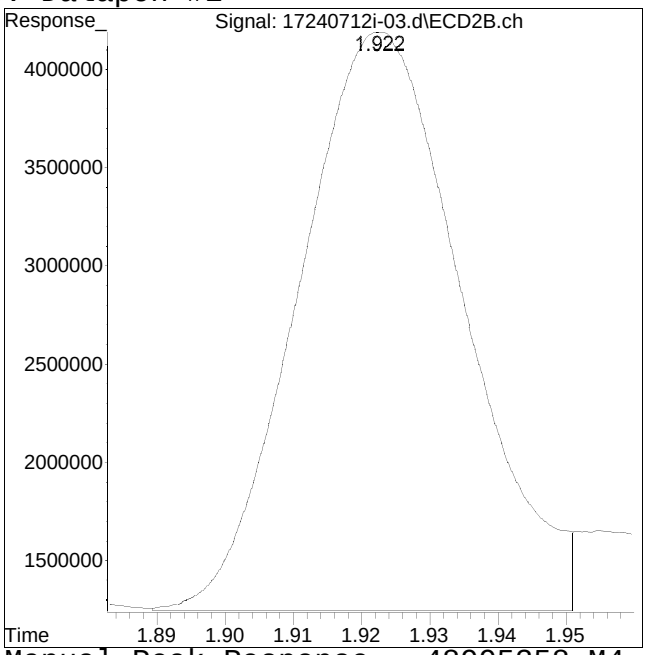
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #15: Dalapon #2



Original Peak Response = 49257500



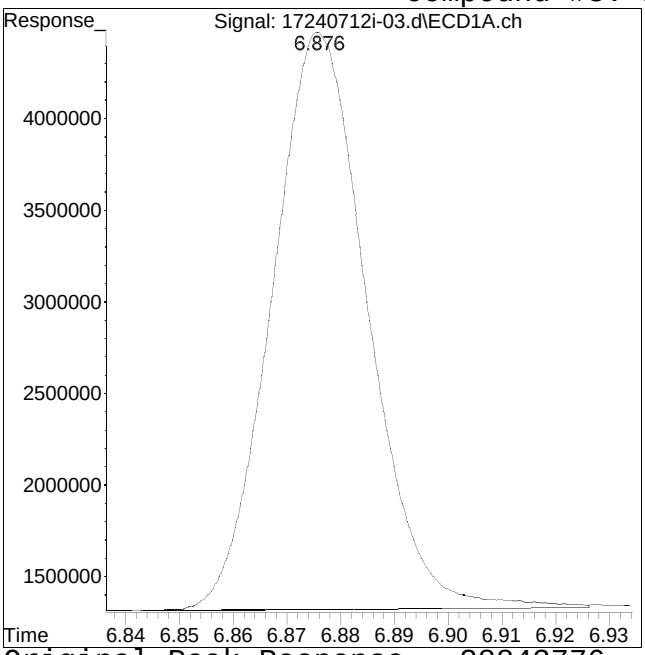
Manual Peak Response = 48995358 M4

M4 = Poor automated baseline construction.

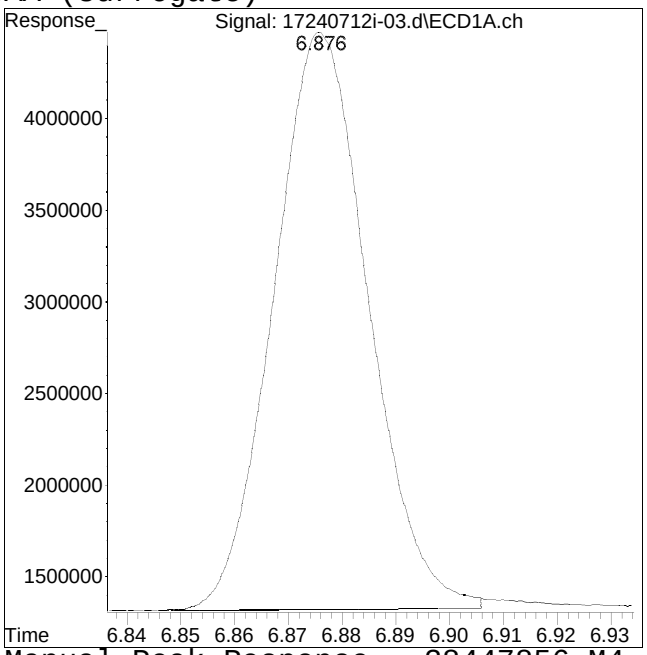
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #3: DCAA (surrogate)



Original Peak Response = 38843776

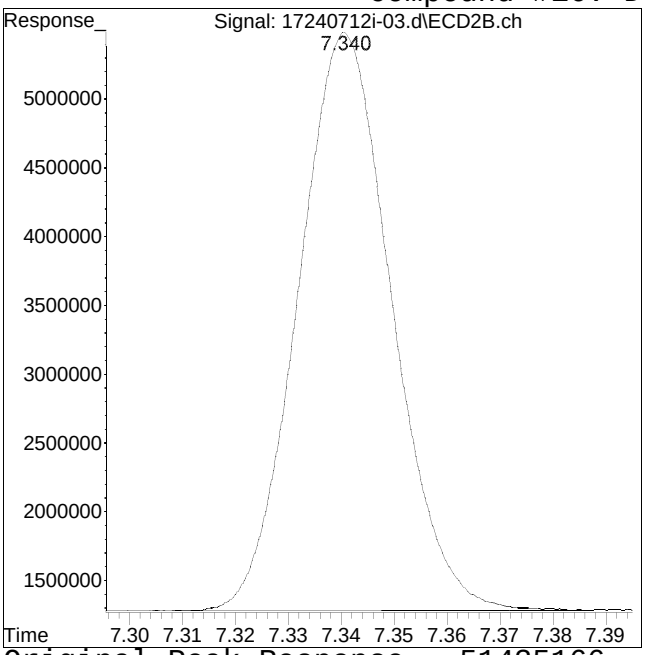


Manual Peak Response = 38447856 M4
M4 = Poor automated baseline construction.

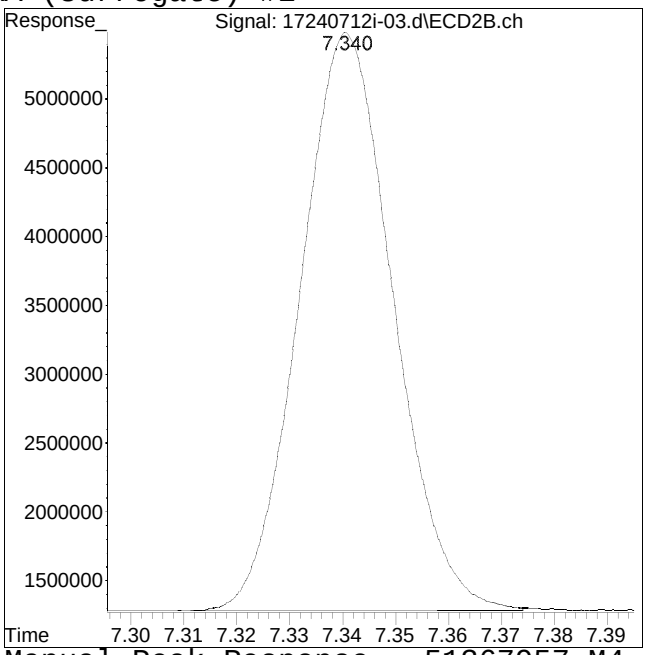
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 51435166



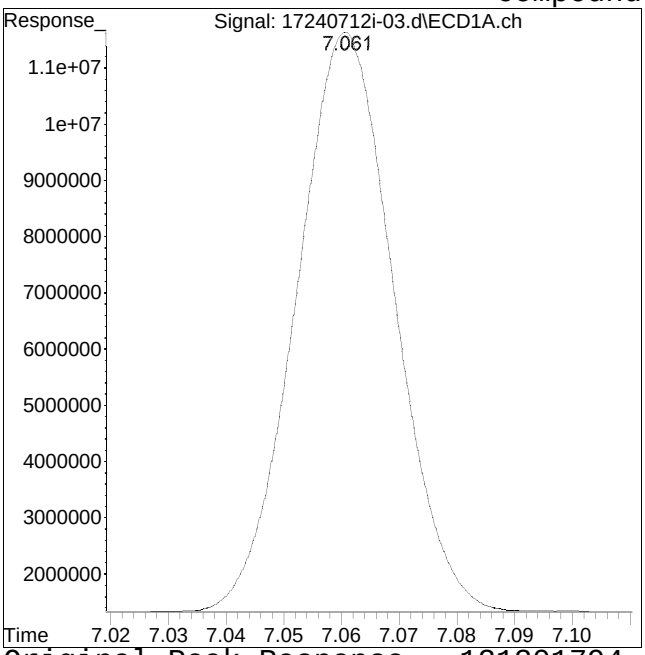
Manual Peak Response = 51367957 M4

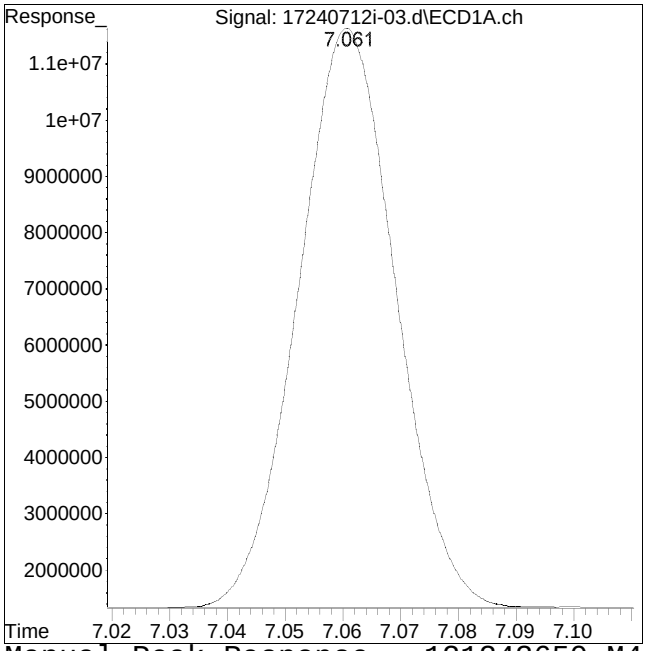
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #4: Dicamba



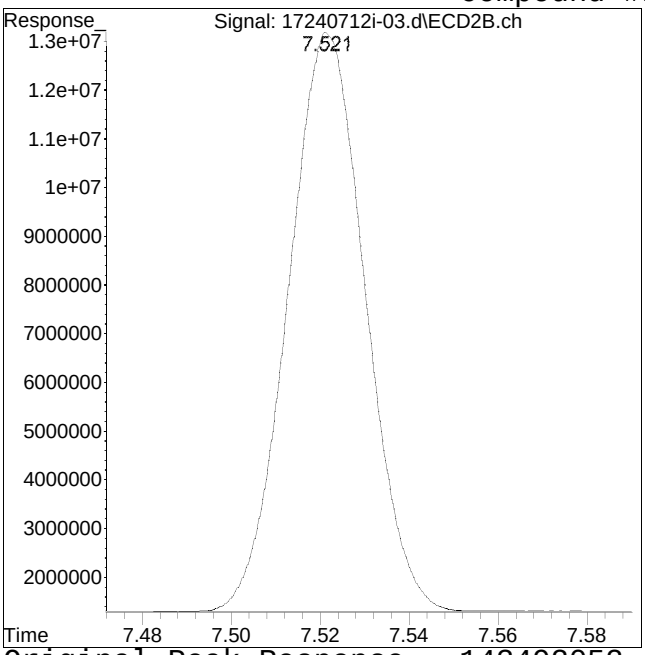


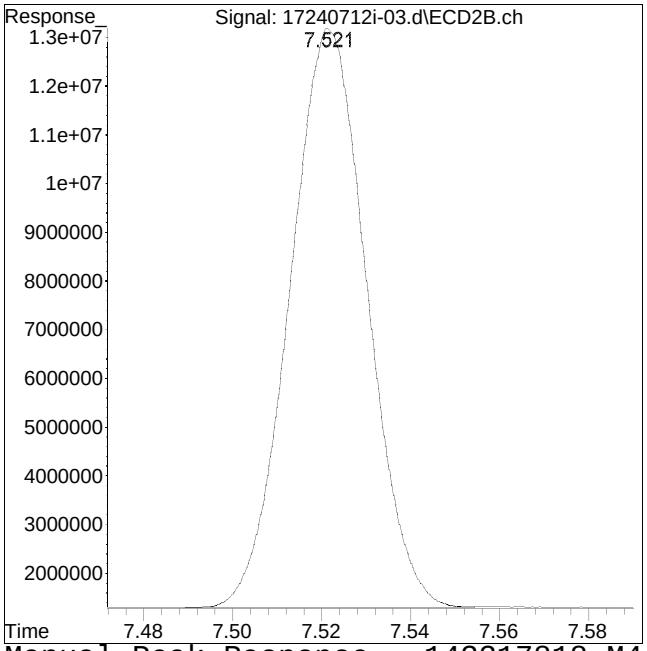
Original Peak Response = 121301794 Manual Peak Response = 121243650 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #17: Dicamba #2



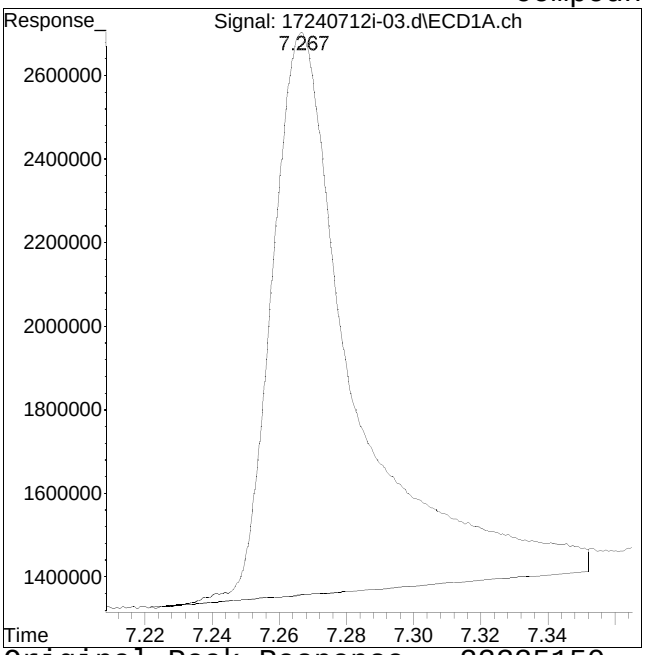


Original Peak Response = 143492052 Manual Peak Response = 143317818 M4
M4 = Poor automated baseline construction.

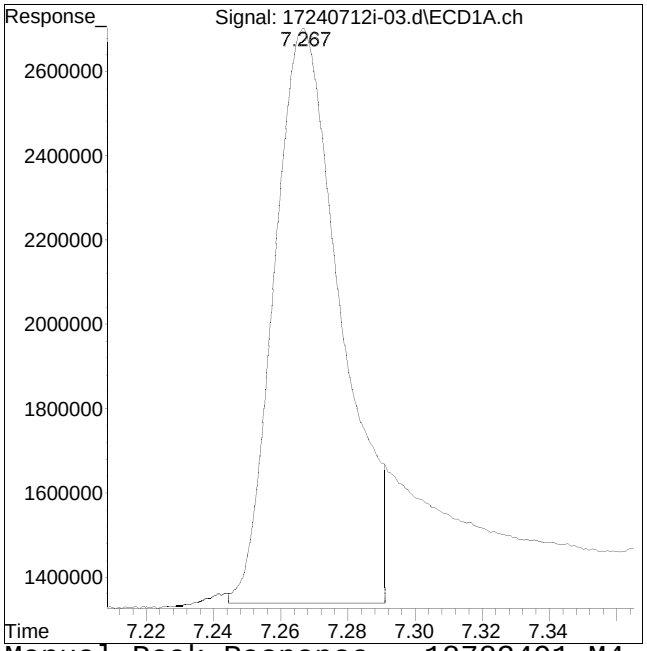
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #5: MCPP



Original Peak Response = 23335150



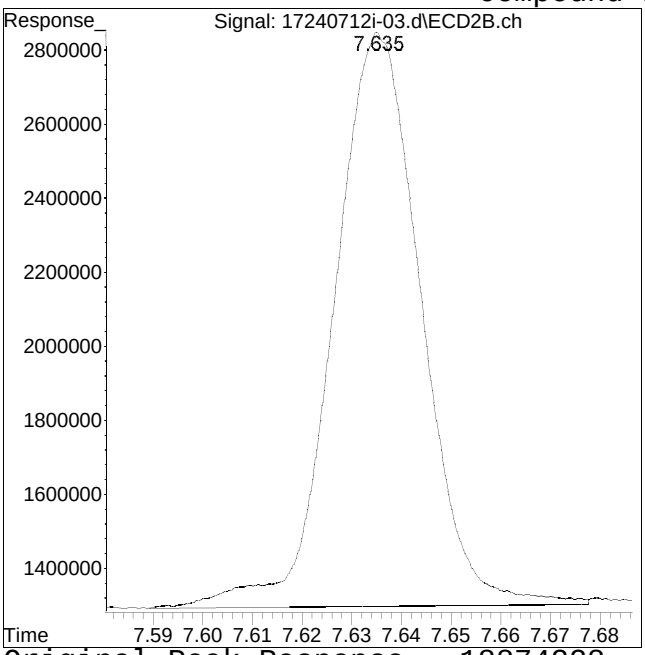
Manual Peak Response = 18783491 M4

M4 = Poor automated baseline construction.

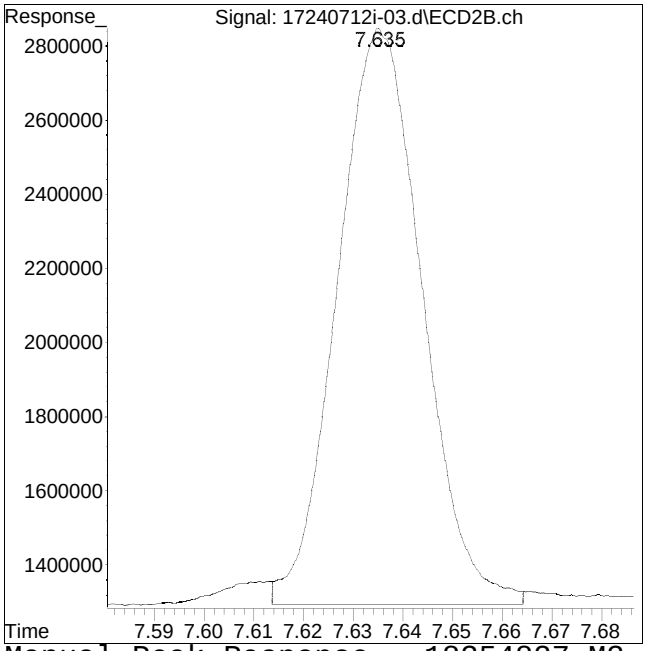
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #18: MCPP #2



Original Peak Response = 18874228



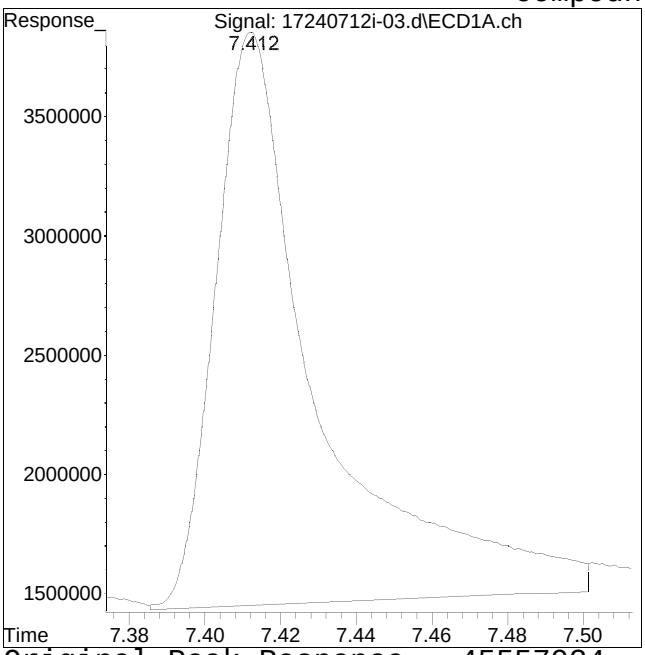
Manual Peak Response = 18354827 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

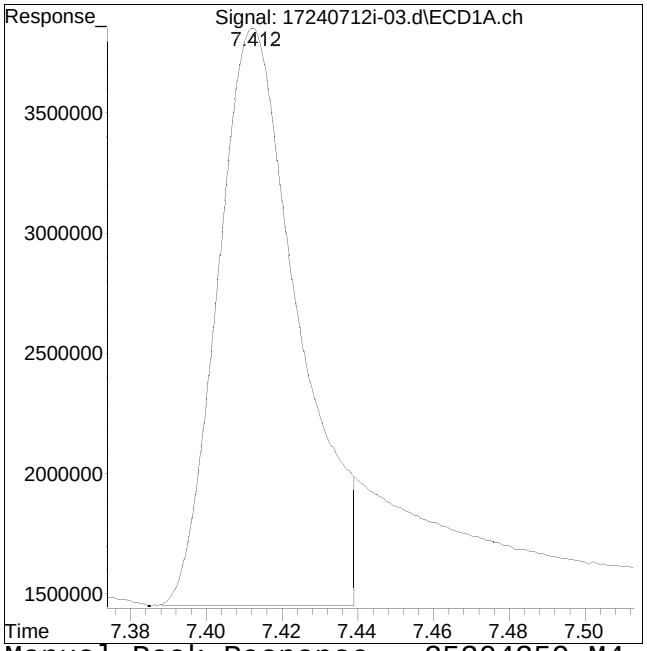
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #6: MCPA



Original Peak Response = 45557934



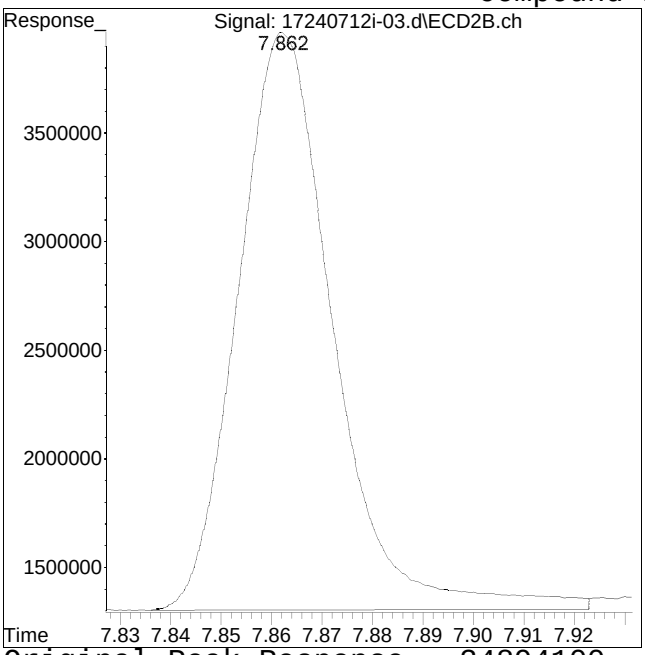
Manual Peak Response = 35304359 M4

M4 = Poor automated baseline construction.

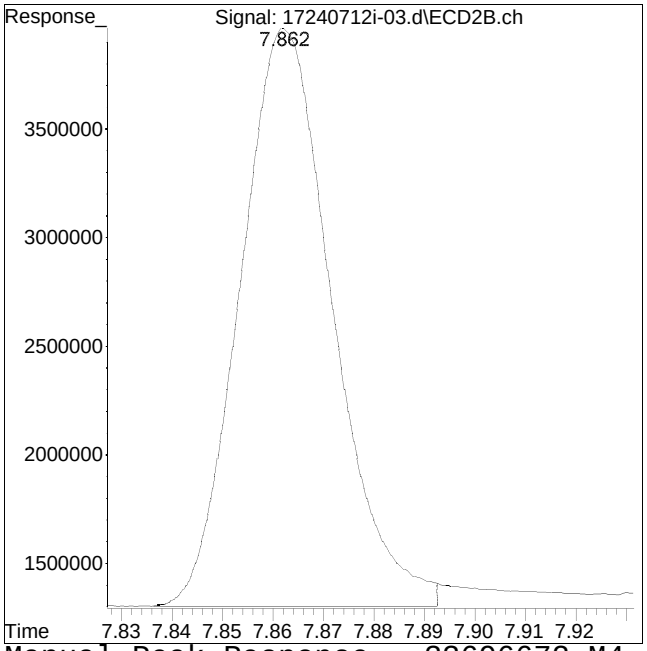
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #19: MCPA #2



Original Peak Response = 34894100

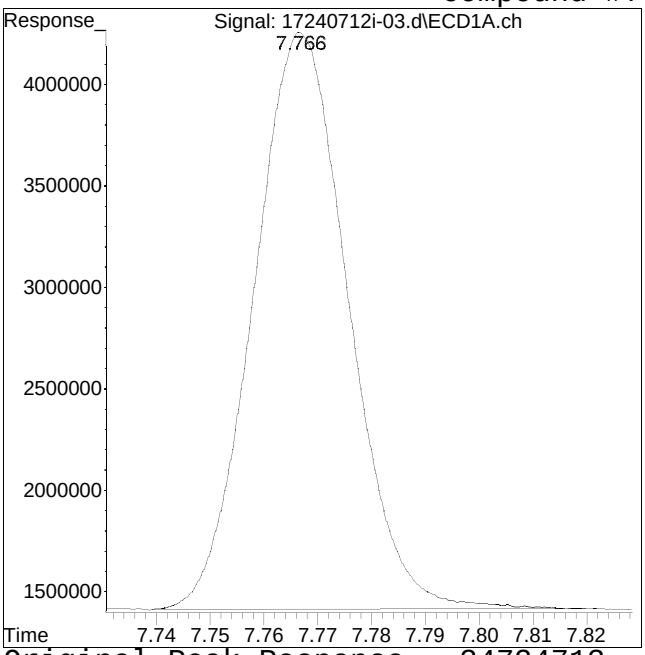


Manual Peak Response = 33696672 M4
M4 = Poor automated baseline construction.

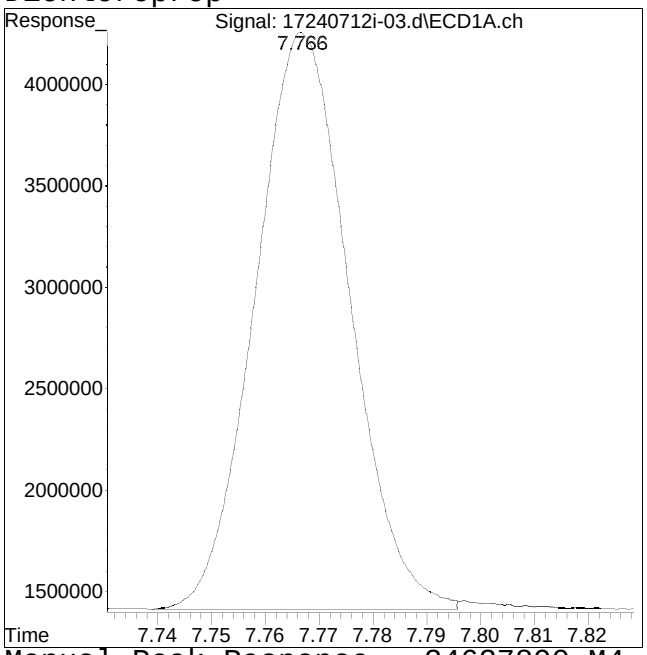
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #7: Dichloroprop



Original Peak Response = 34724713



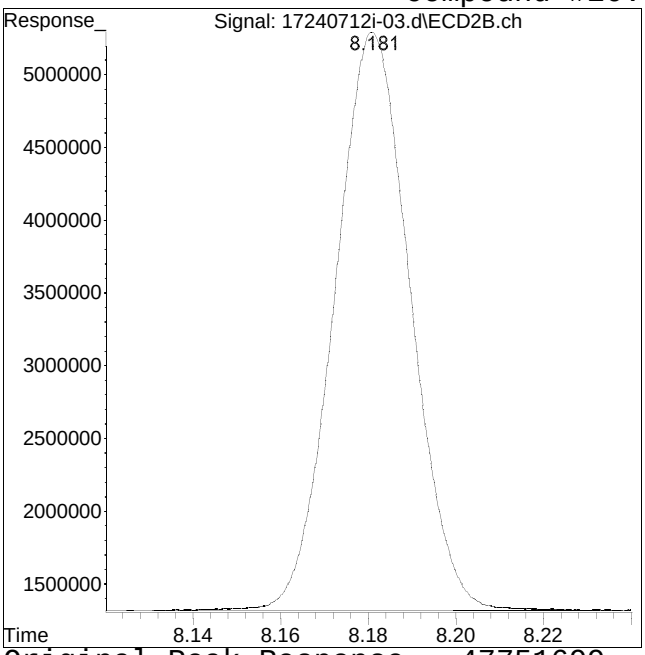
Manual Peak Response = 34637890 M4

M4 = Poor automated baseline construction.

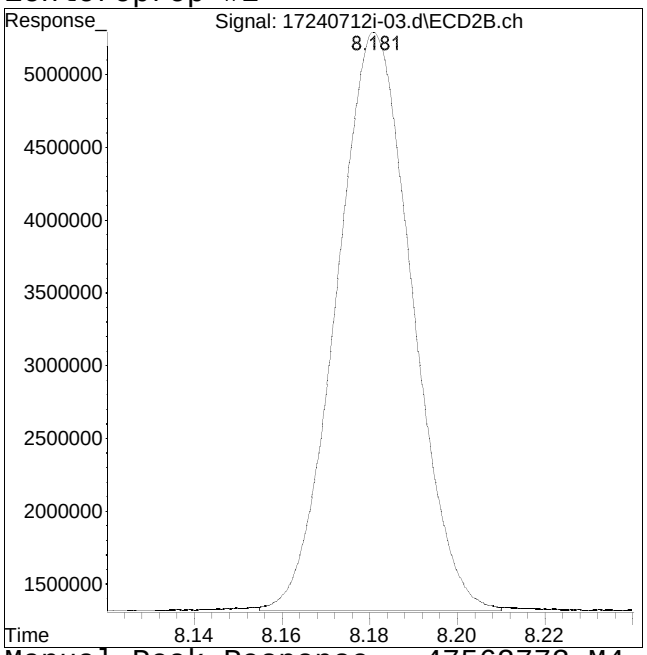
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #20: Dichloroprop #2



Original Peak Response = 47751699



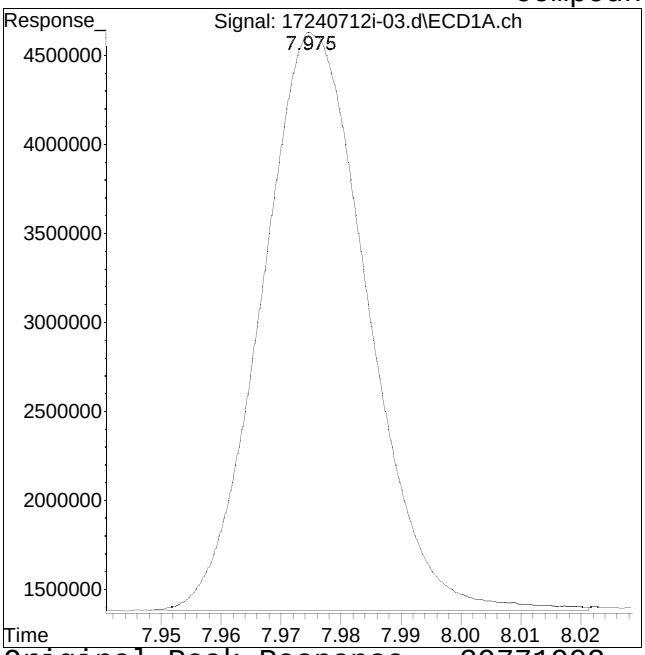
Manual Peak Response = 47562773 M4

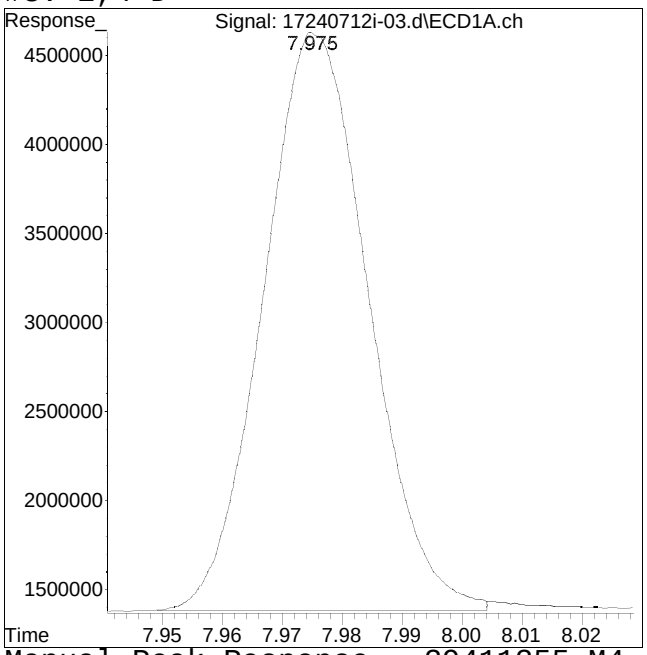
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #8: 2,4-D



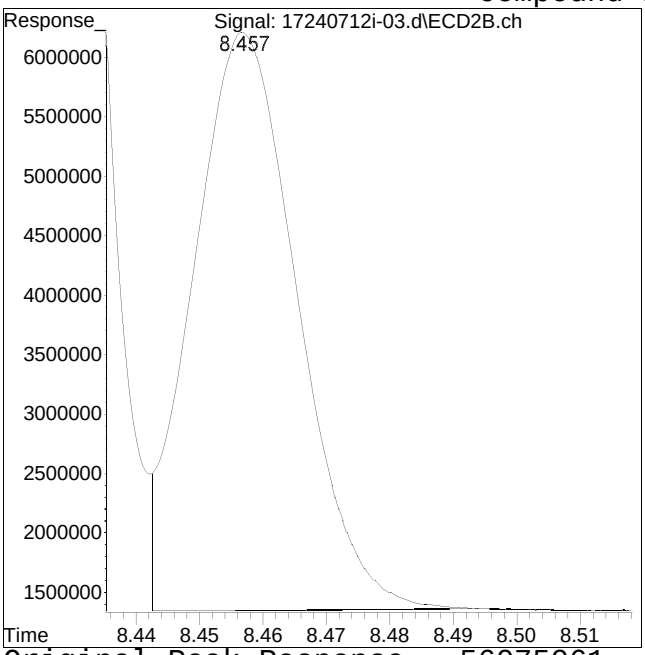


Original Peak Response = 39771992 Manual Peak Response = 39411355 M4
M4 = Poor automated baseline construction.

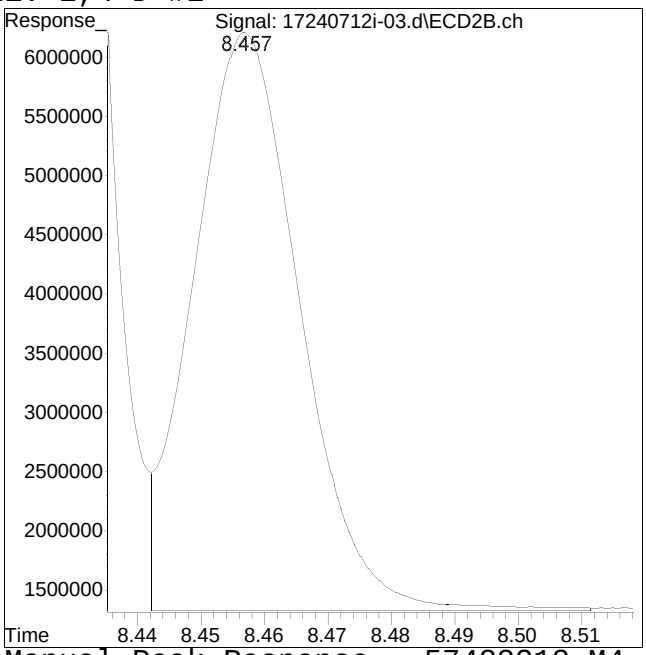
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #21: 2,4-D #2



Original Peak Response = 56075061



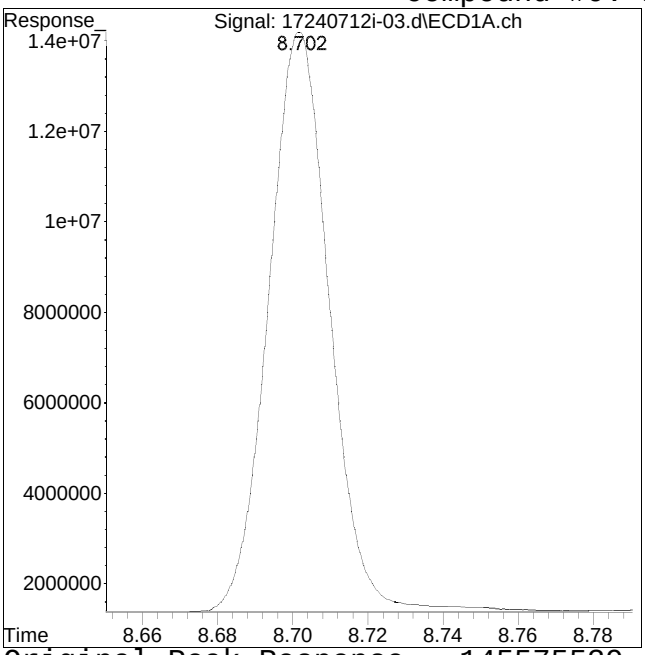
Manual Peak Response = 57422212 M4

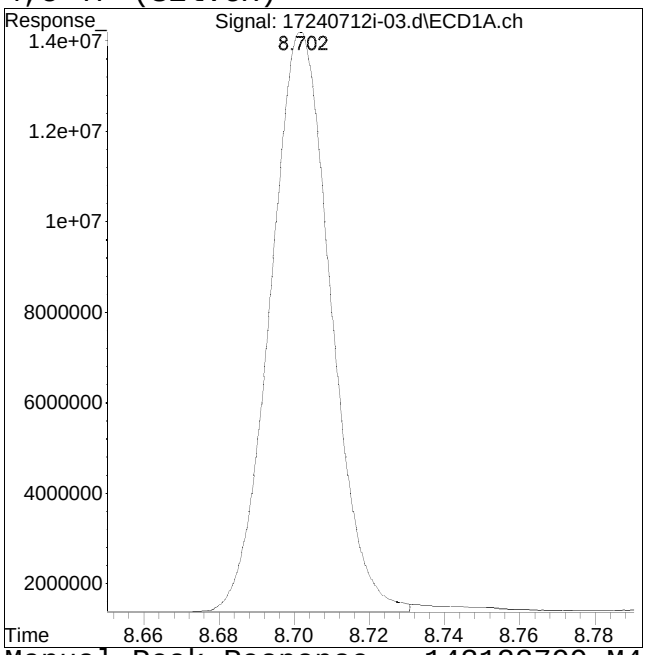
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #9: 2,4,5-TP (Silvex)



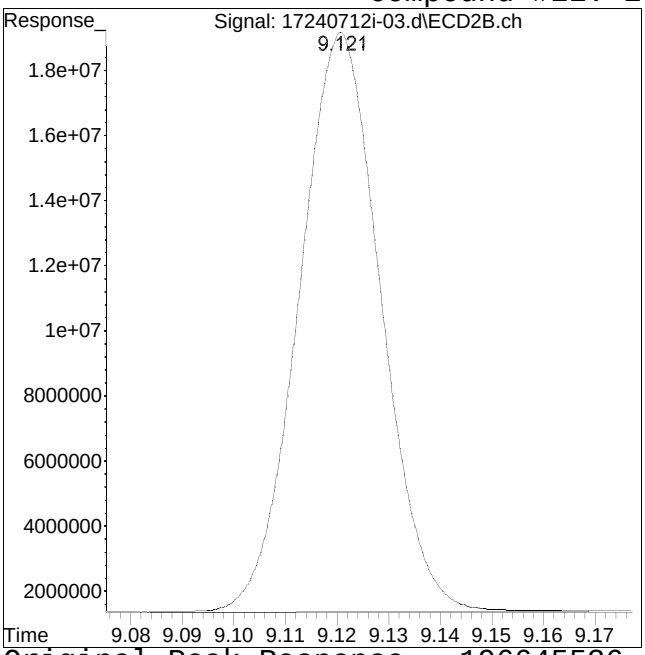


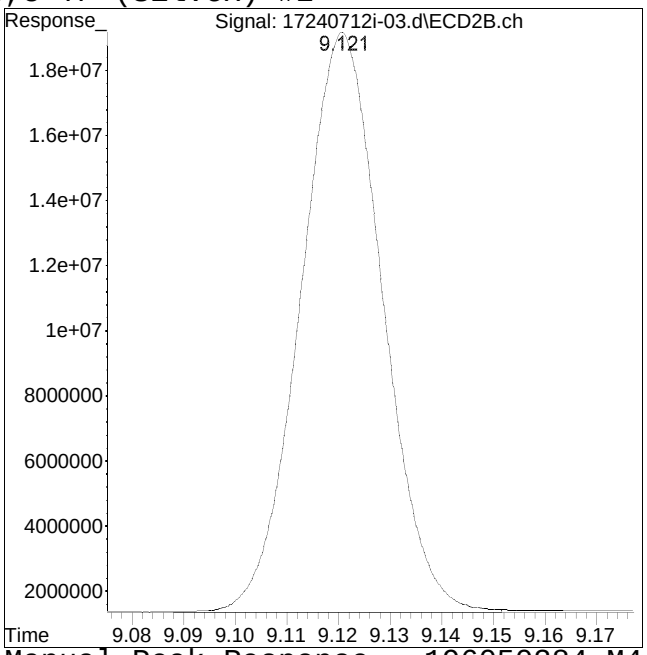
Original Peak Response = 145575539 Manual Peak Response = 143123799 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #22: 2,4,5-TP (Silvex) #2



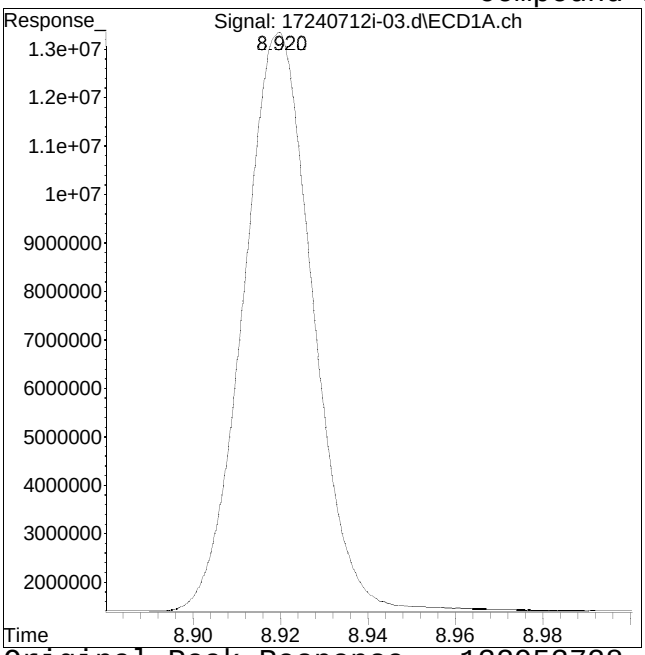


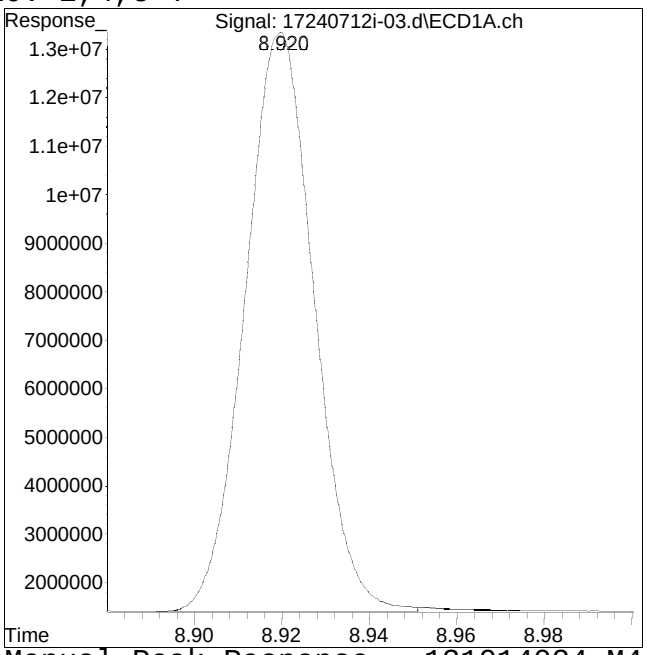
Original Peak Response = 196645536 Manual Peak Response = 196050384 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #10: 2,4,5-T



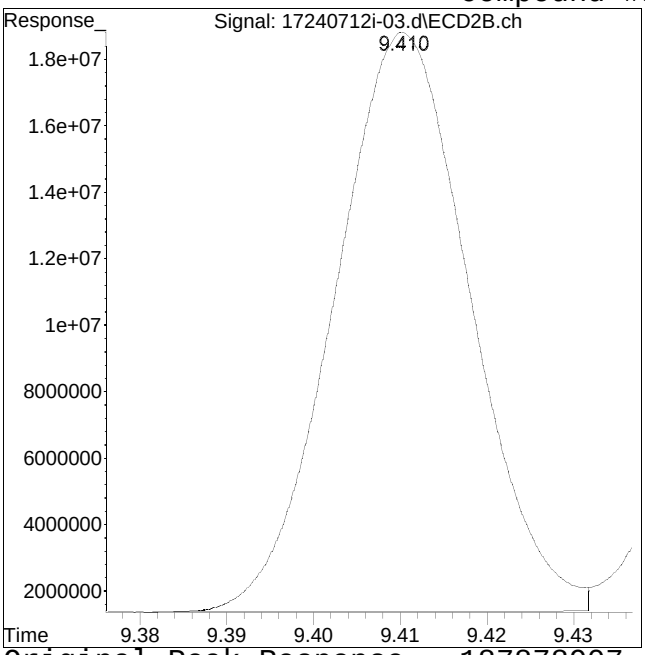


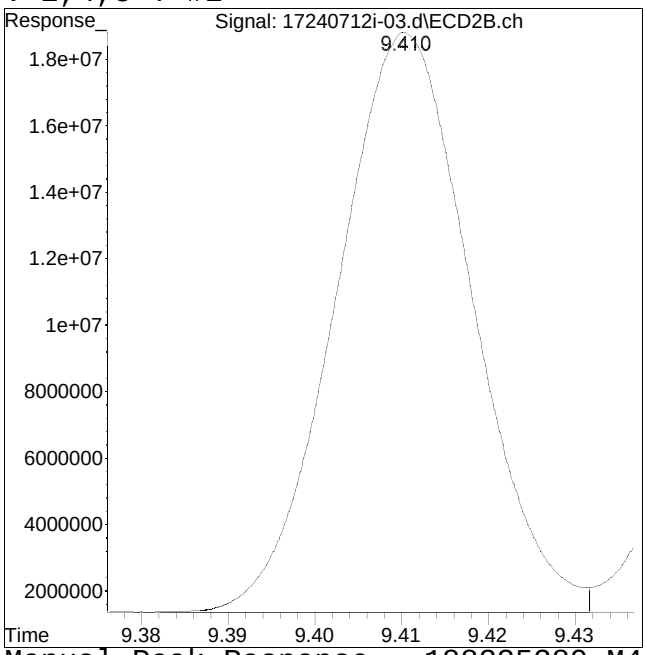
Original Peak Response = 132953728 Manual Peak Response = 131014024 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #23: 2,4,5-T #2



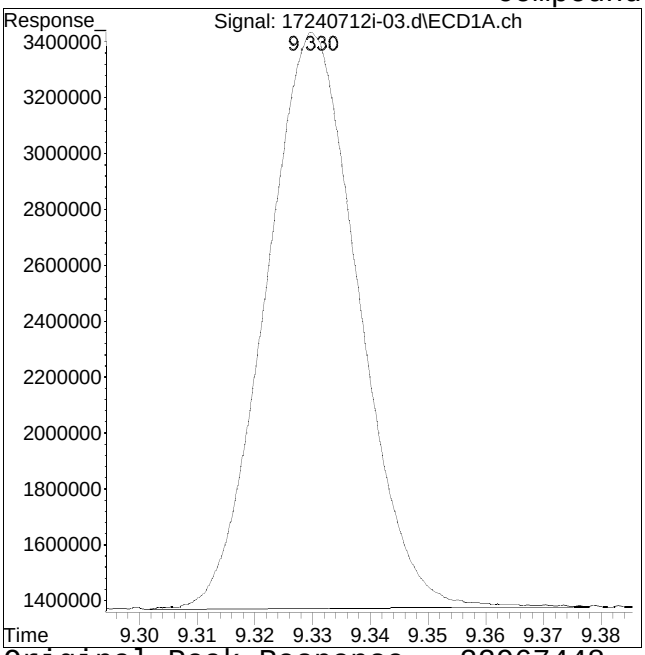


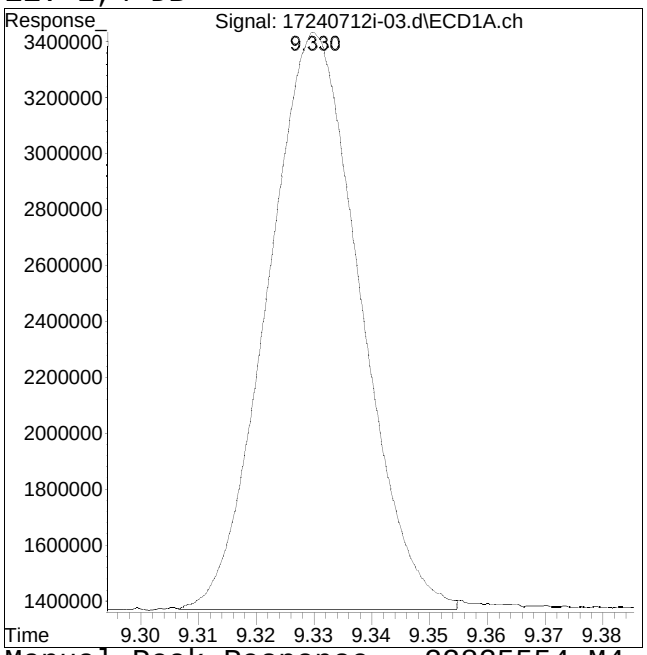
Original Peak Response = 187878907 Manual Peak Response = 188335380 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #11: 2,4-DB



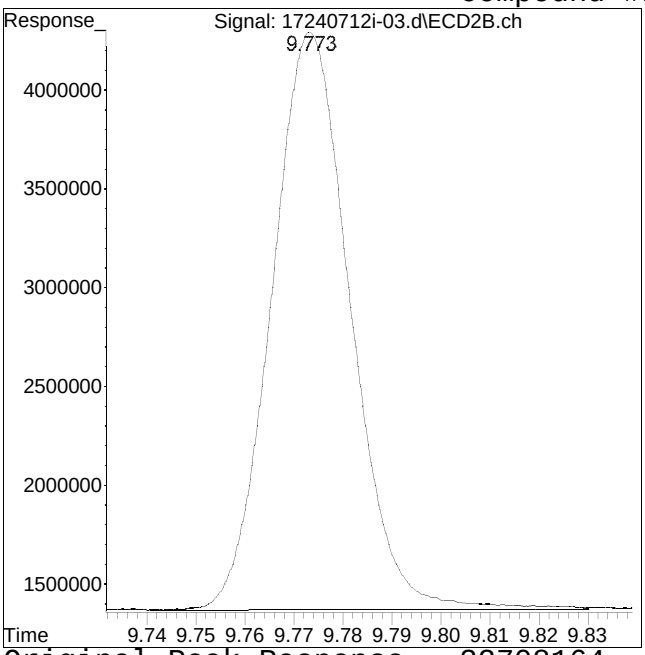


Original Peak Response = 22967448 Manual Peak Response = 22835554 M4
M4 = Poor automated baseline construction.

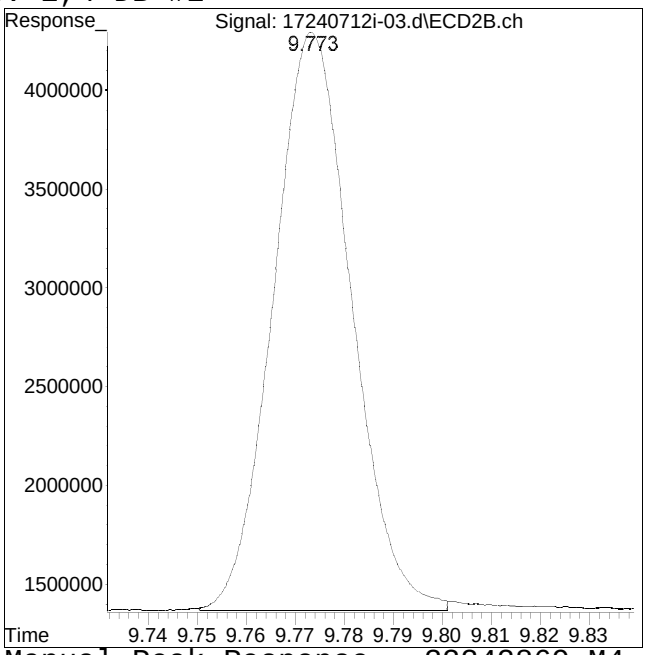
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #24: 2,4-DB #2



Original Peak Response = 32708164



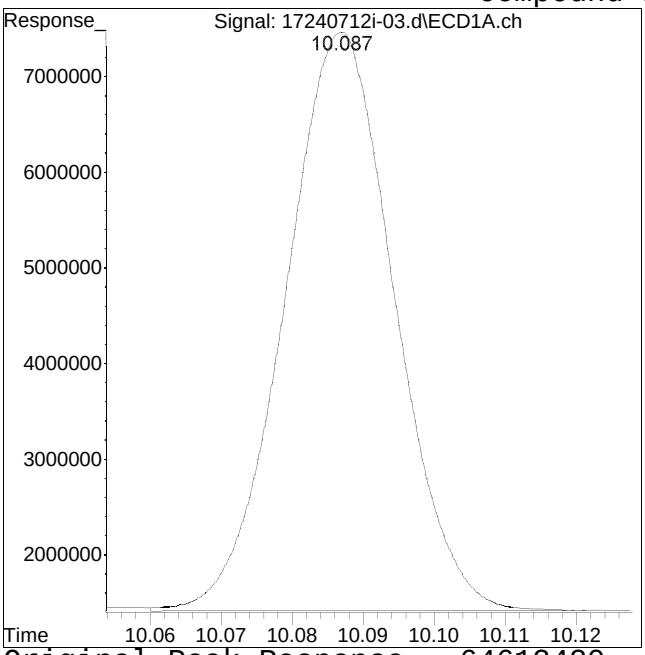
Manual Peak Response = 32242869 M4

M4 = Poor automated baseline construction.

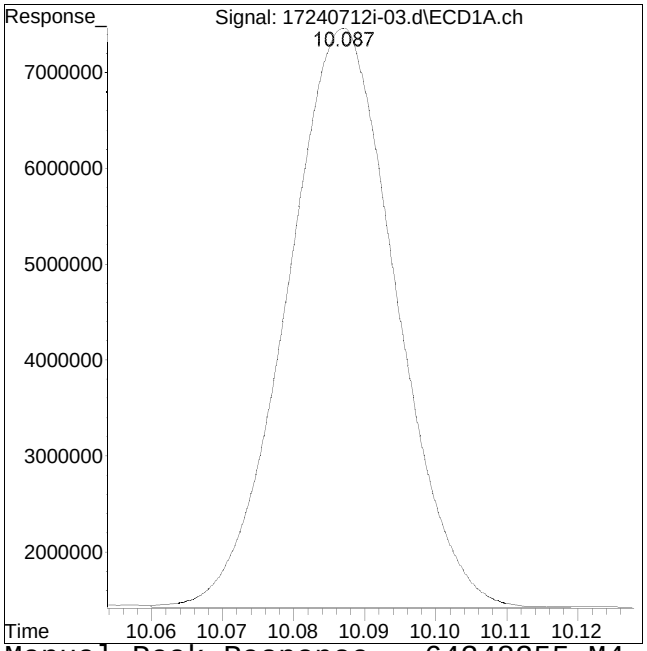
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #12: Dinoseb



Original Peak Response = 64612420



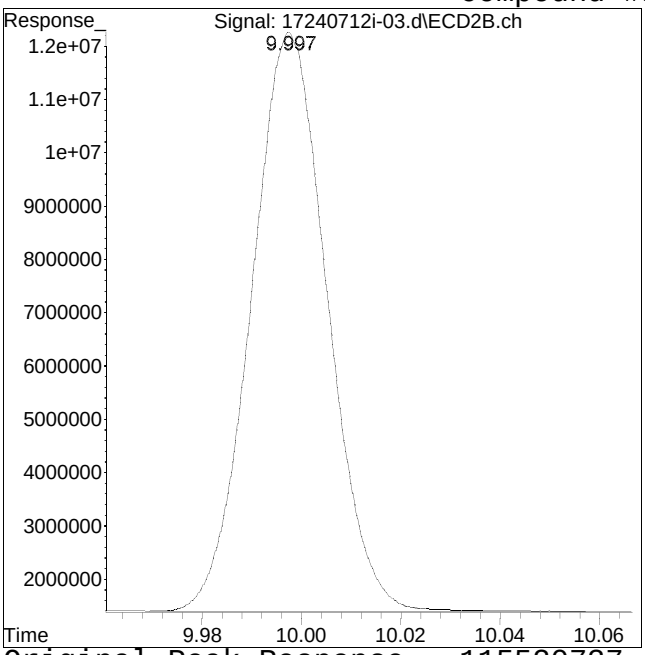
Manual Peak Response = 64348355 M4

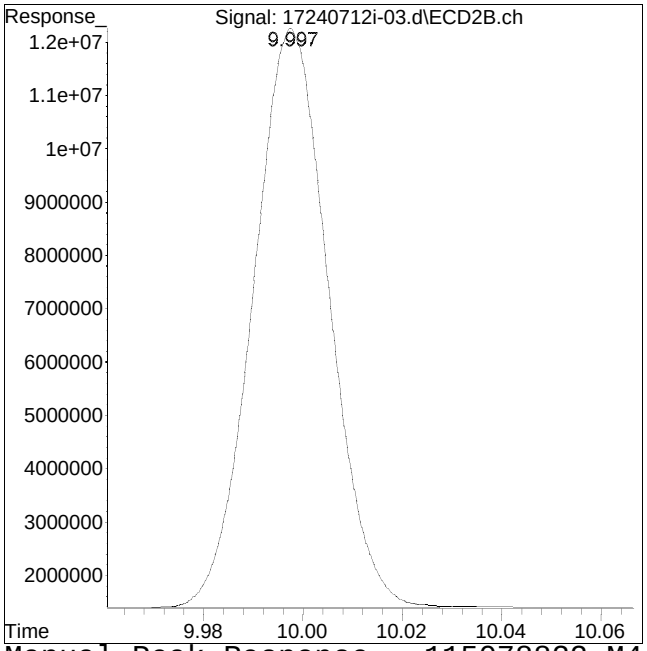
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #25: Dinoseb #2





Original Peak Response = 115520737 Manual Peak Response = 115078822 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.419	584.3E6	613.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.340	74045778	96697218	0.188M4	0.188M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		37.60%	37.60%
		Target Compounds						
2)	t	Dalapon	1.893	1.918	62530327	90327697	0.182M3	0.182M3
4)	t	Dicamba	7.061	7.521	241.6E6	279.1E6	0.188	0.188M4
5)	t	MCPP	7.267	7.635	36613773	35600766	18.800M4	18.800M3
6)	t	MCPA	7.412	7.862	60243143	60936515	18.600M4	18.600M4
7)	t	Dichloroprop	7.767	8.181	66518311	89023766	0.188M4	0.188M4
8)	t	2,4-D	7.975	8.457	76448114	108.1E6	0.188M4	0.191M4
9)	t	2,4,5-TP (Si	8.701	9.120	292.4E6	393.4E6	0.190M4	0.190M4
10)	t	2,4,5-T	8.919	9.410	266.4E6	372.3E6	0.190M4	0.190M4
11)	t	2,4-DB	9.328	9.774	44681136	61936033	0.192M4	0.192
12)	t	Dinoseb	10.086	9.998	125.9E6	224.9E6	0.190M4	0.190M4
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

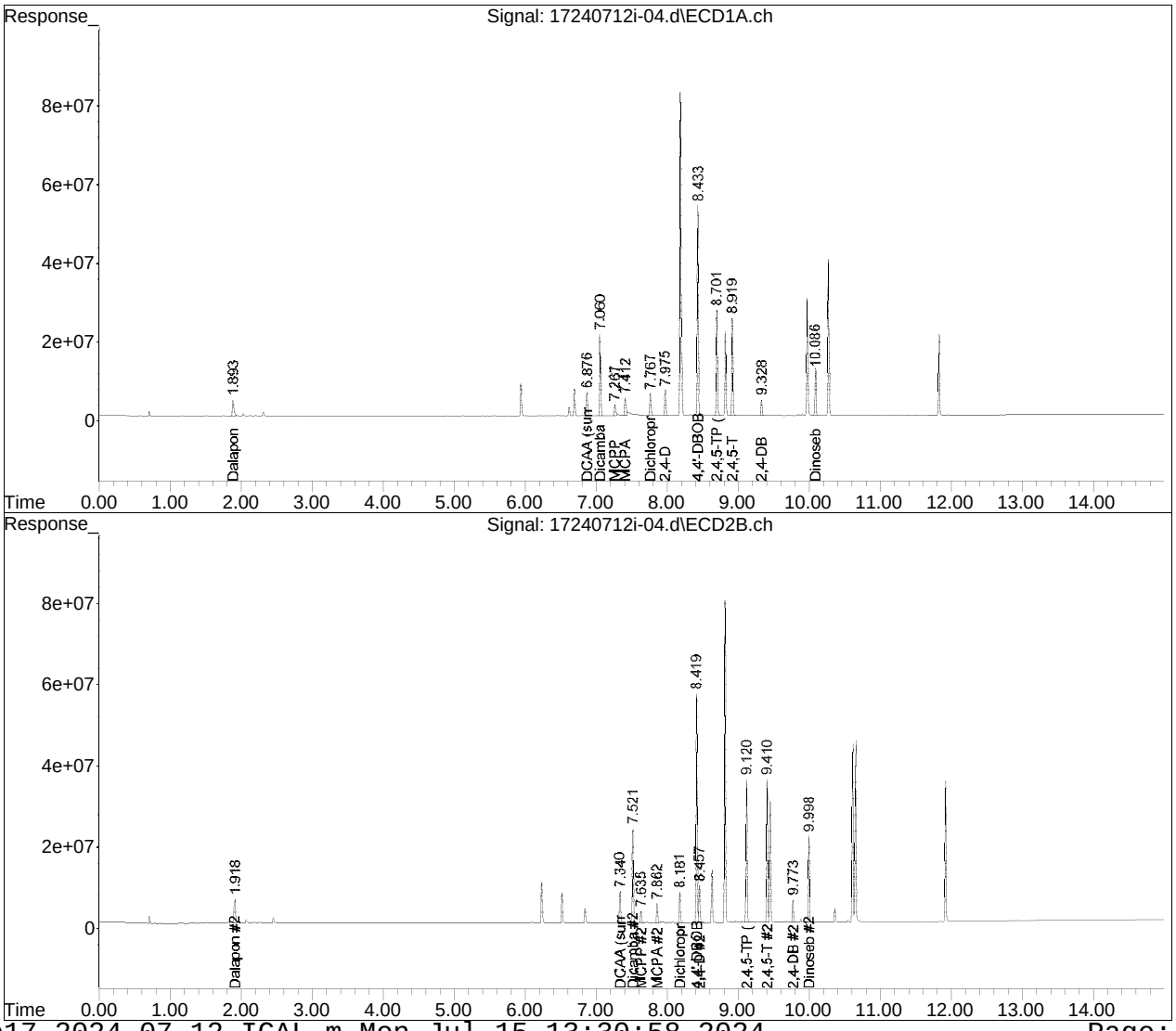
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

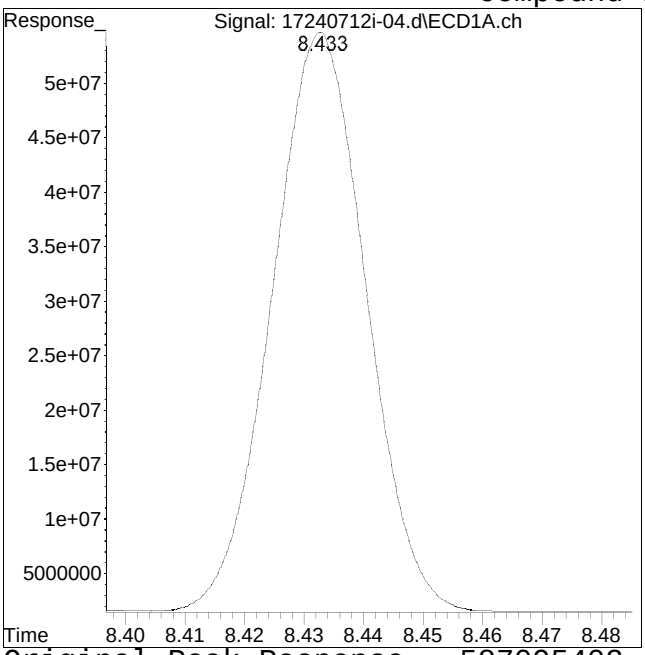
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

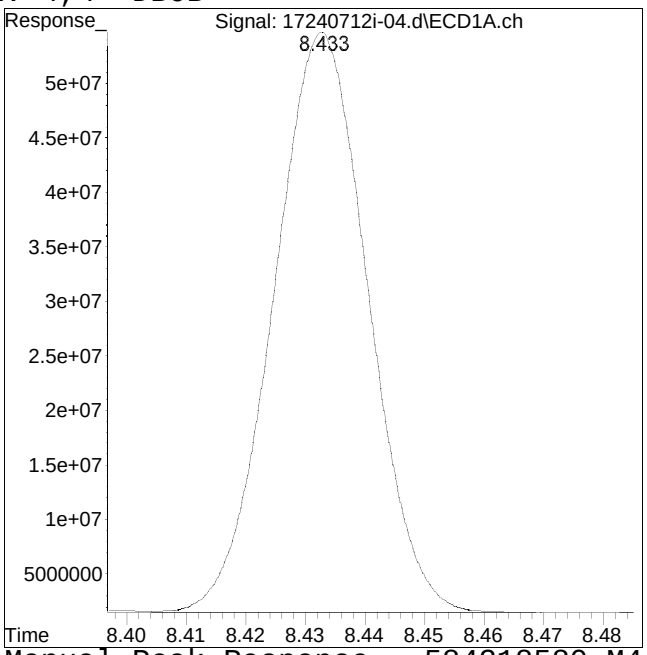


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #1: 4,4'-DBOB



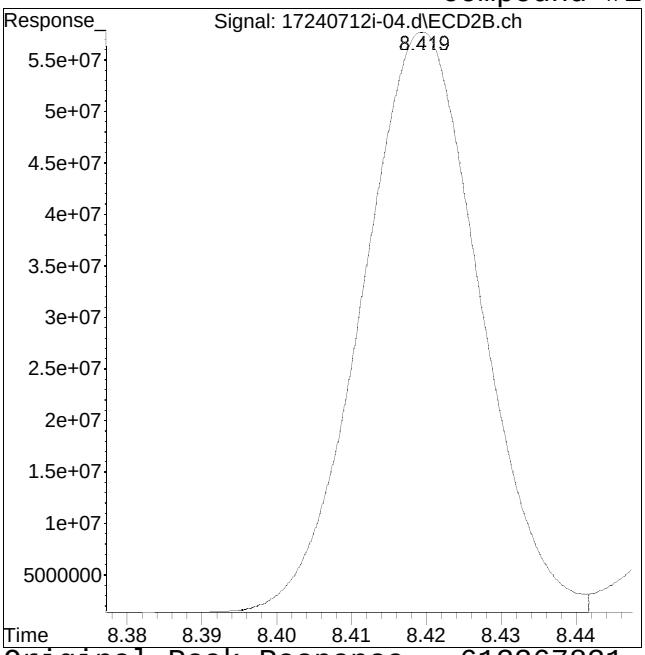


Original Peak Response = 587095402 Manual Peak Response = 584318580 M4
M4 = Poor automated baseline construction.

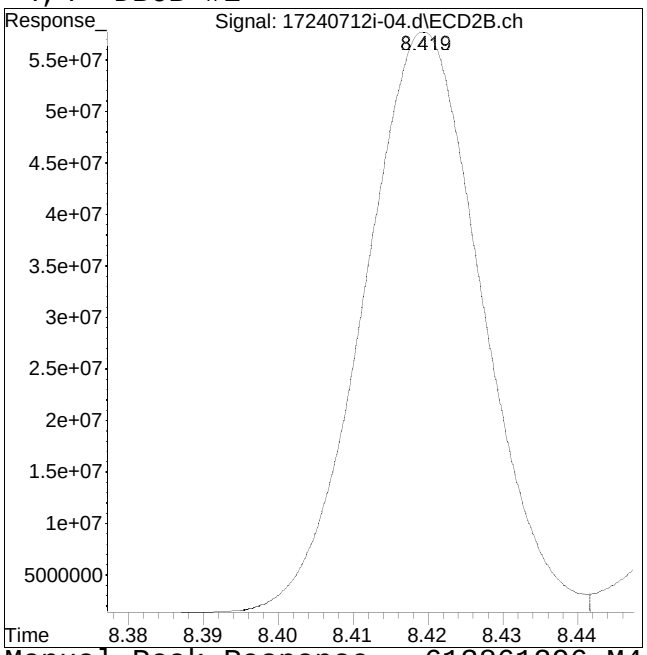
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 613367831



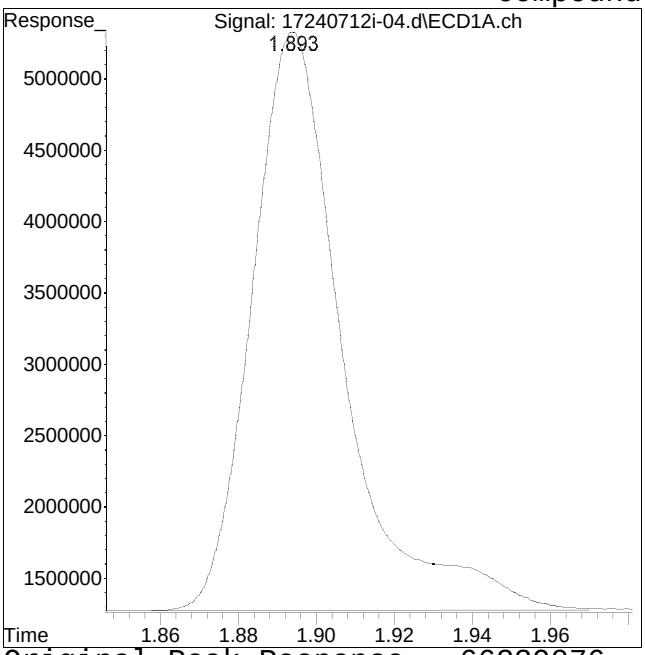
Manual Peak Response = 613861296 M4

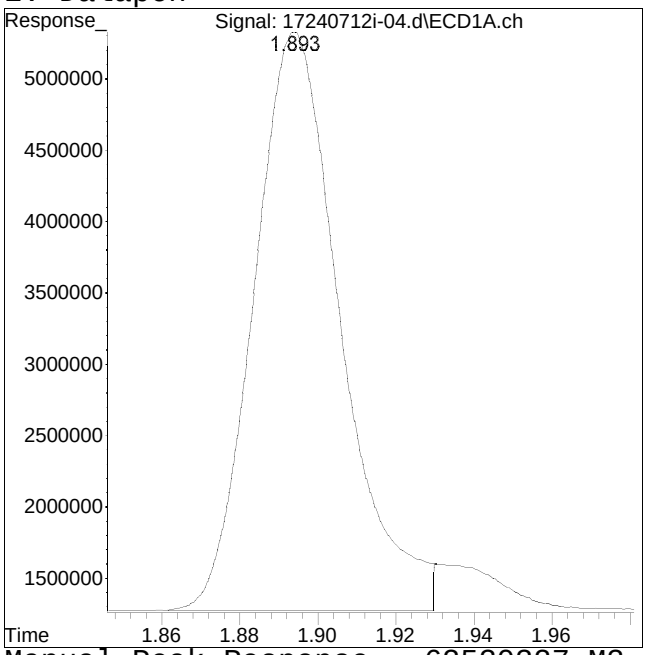
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #2: Dalapon



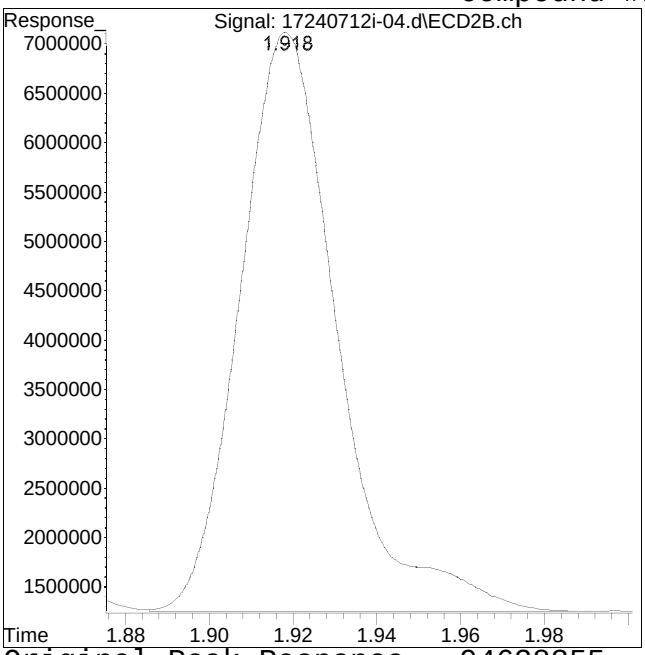


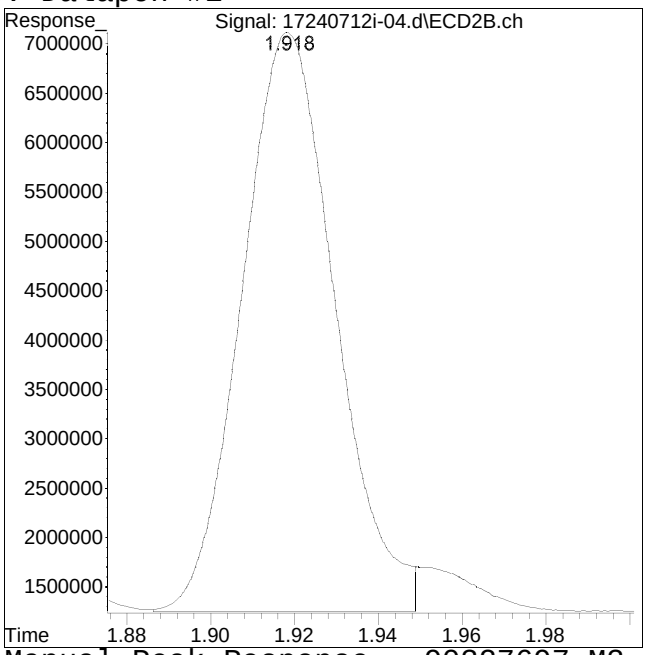
Original Peak Response = 66239076 Manual Peak Response = 62530327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #15: Dalapon #2



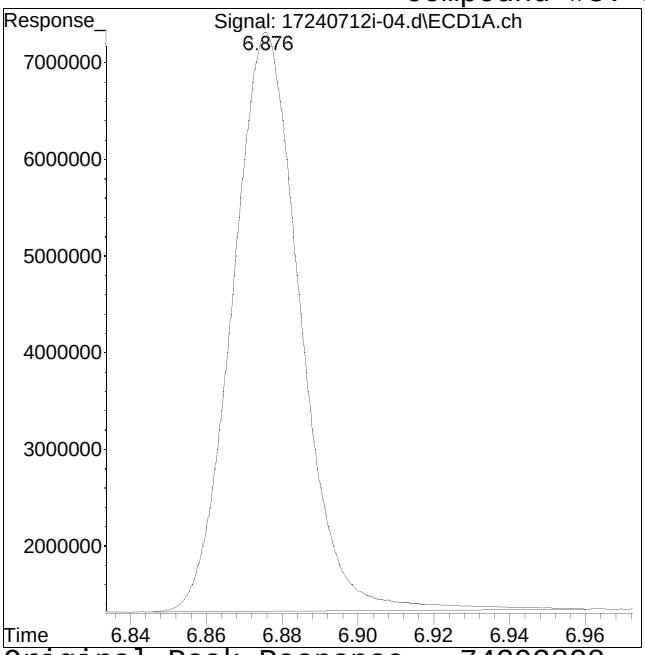


Original Peak Response = 94638355 Manual Peak Response = 90327697 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

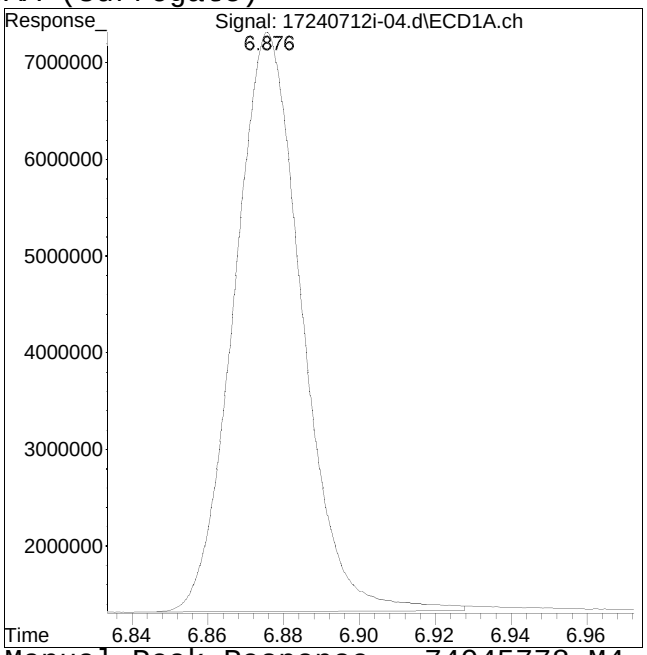
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #3: DCAA (surrogate)



Original Peak Response = 74393828



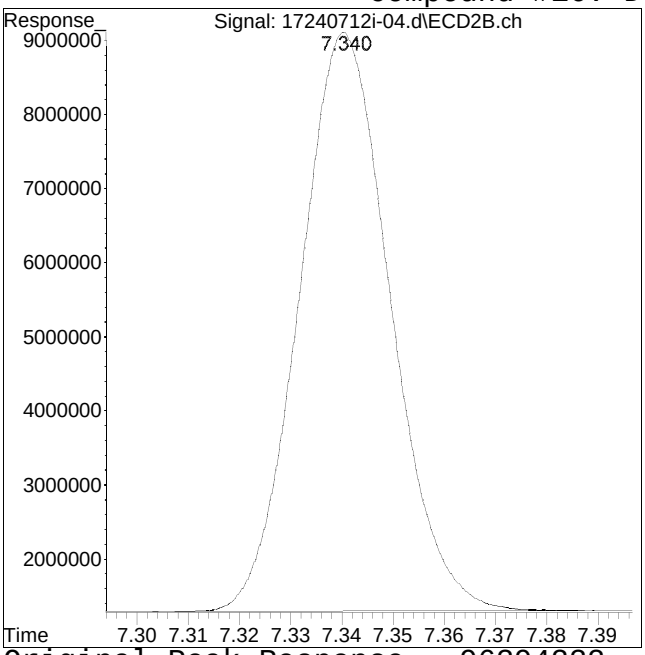
Manual Peak Response = 74045778 M4

M4 = Poor automated baseline construction.

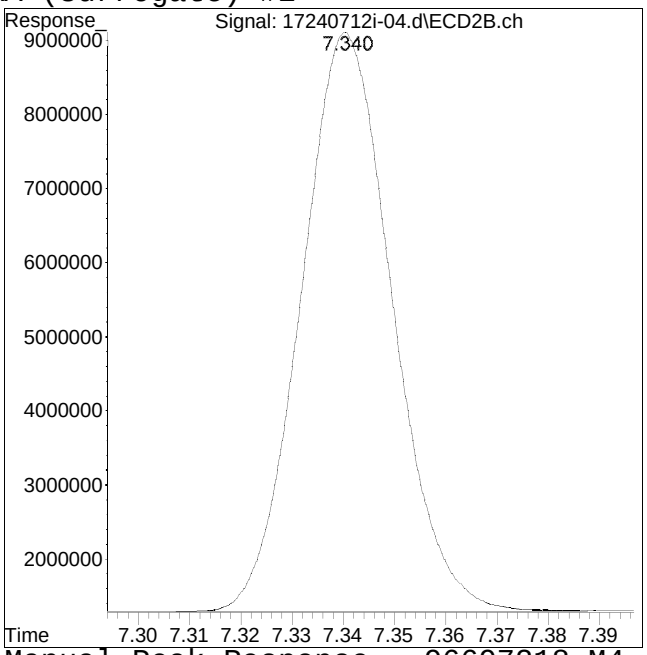
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 96394232



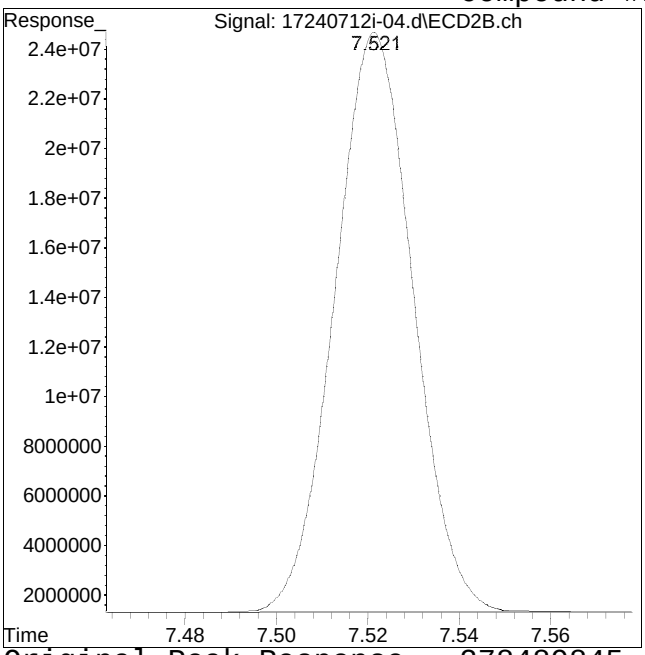
Manual Peak Response = 96697218 M4

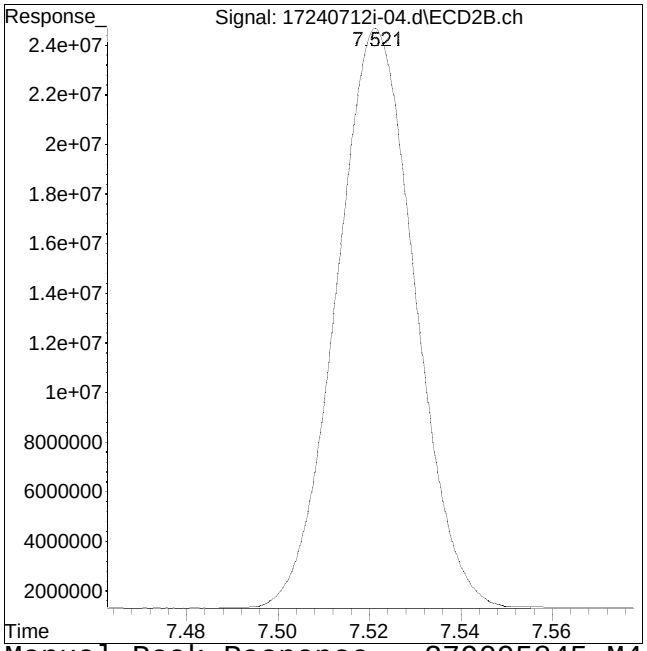
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #17: Dicamba #2



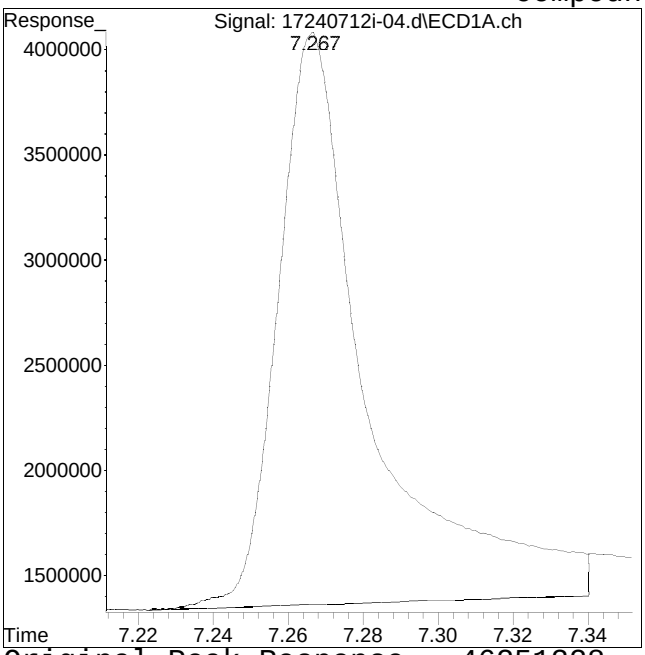


Original Peak Response = 278489845 Manual Peak Response = 279095845 M4
M4 = Poor automated baseline construction.

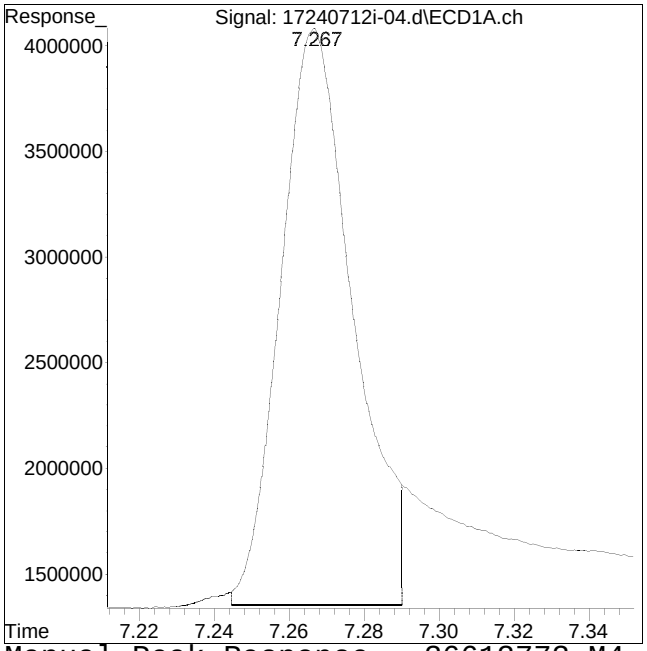
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #5: MCPP



Original Peak Response = 46251228



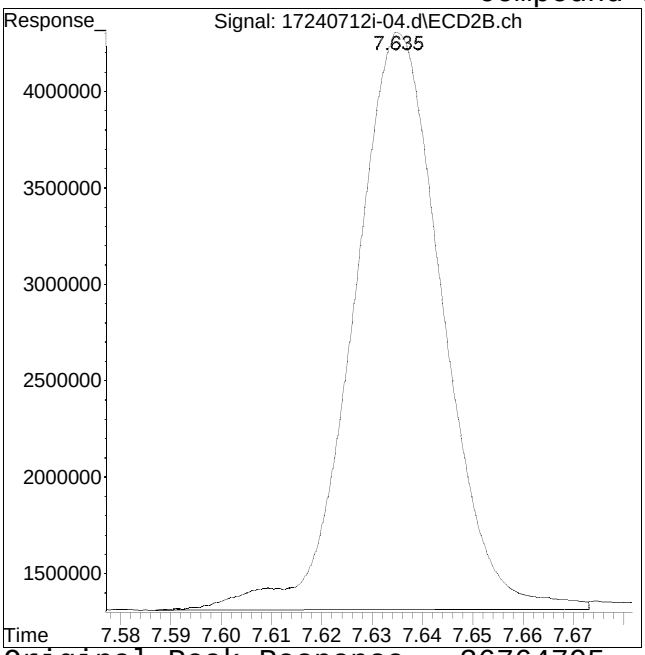
Manual Peak Response = 36613773 M4

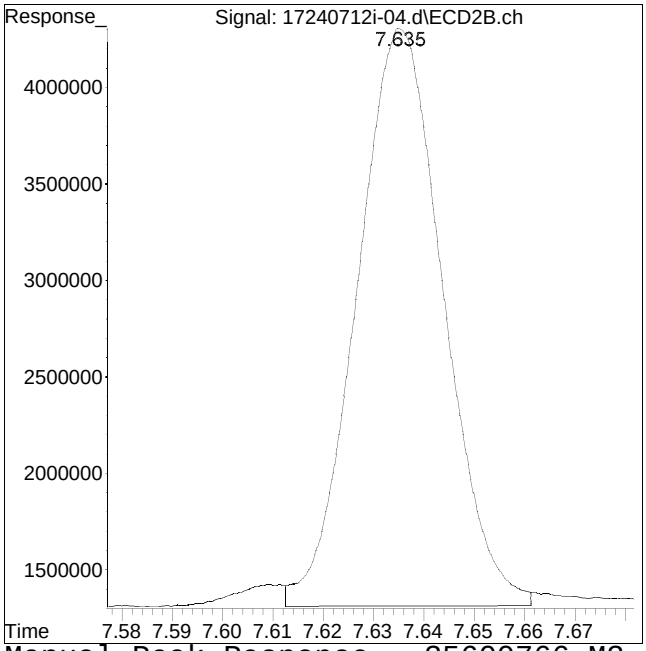
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #18: MCPP #2



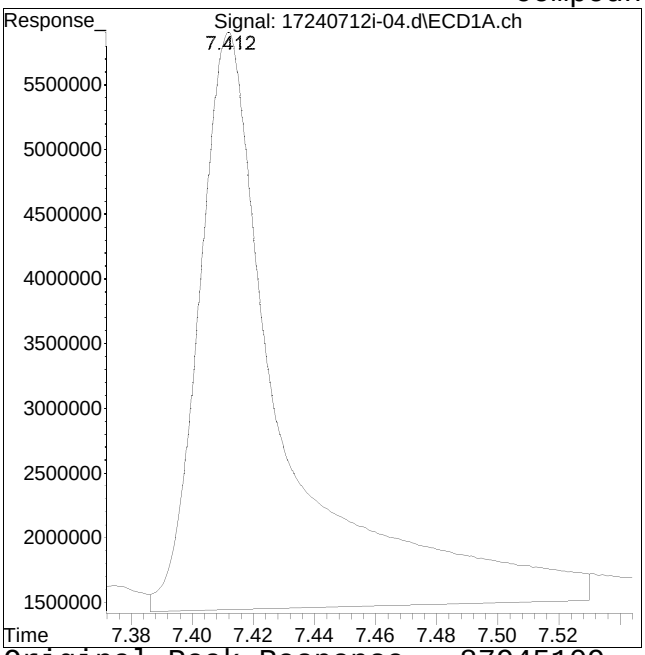


Original Peak Response = 36764795 Manual Peak Response = 35600766 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

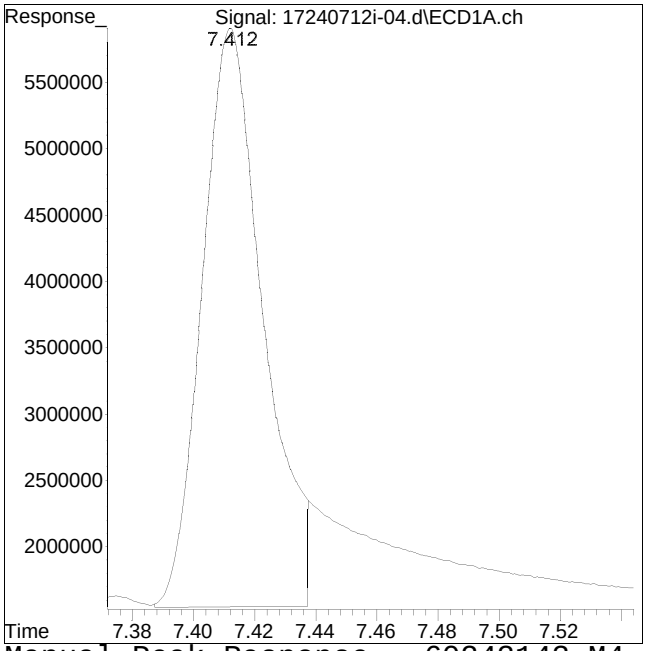
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #6: MCPA



Original Peak Response = 87945109



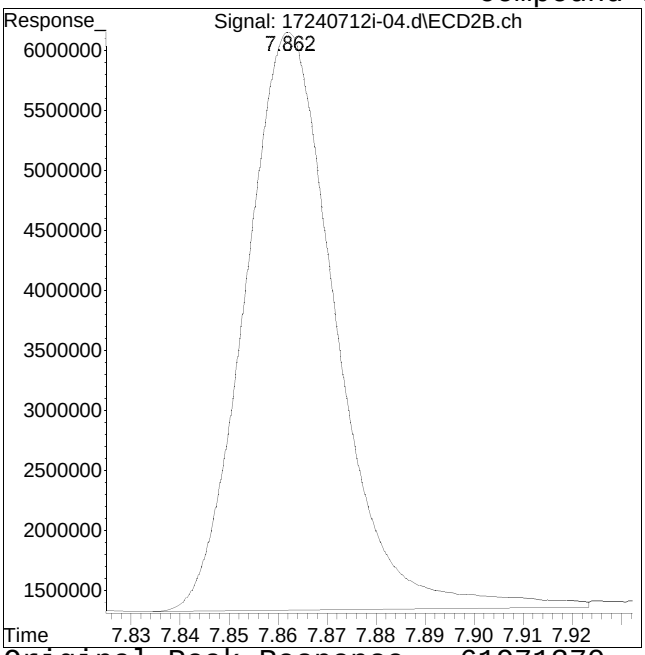
Manual Peak Response = 60243143 M4

M4 = Poor automated baseline construction.

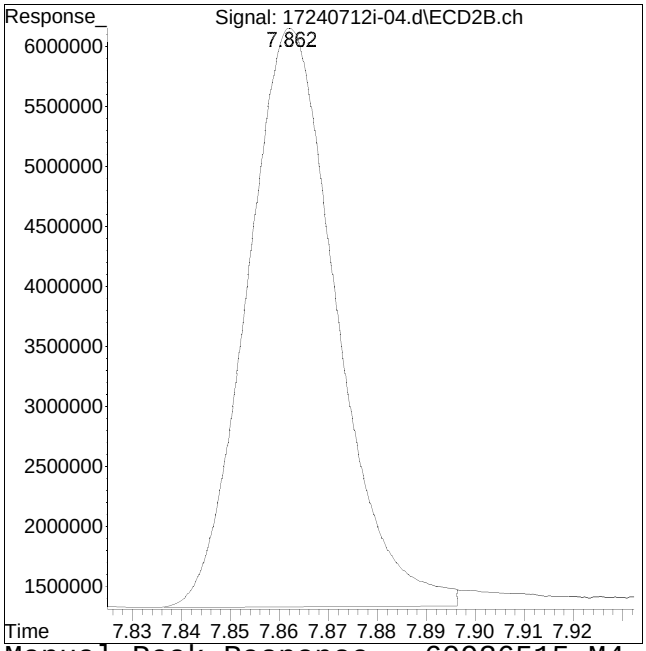
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #19: MCPA #2



Original Peak Response = 61971370



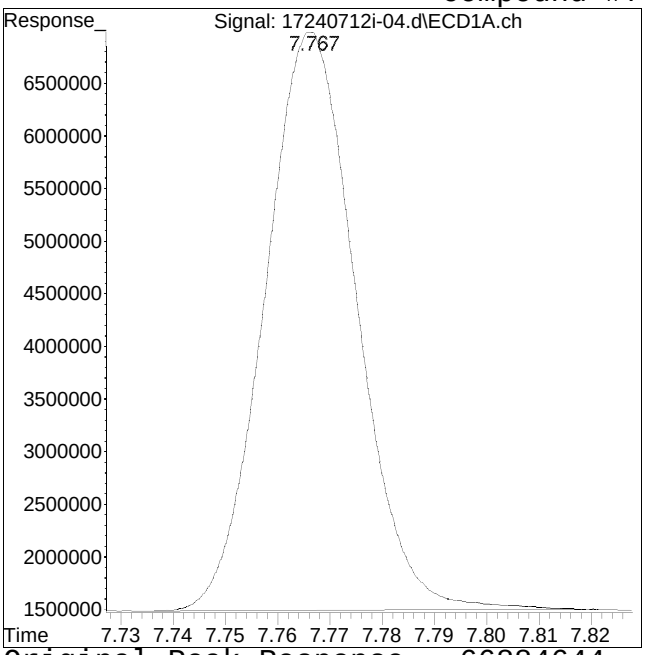
Manual Peak Response = 60936515 M4

M4 = Poor automated baseline construction.

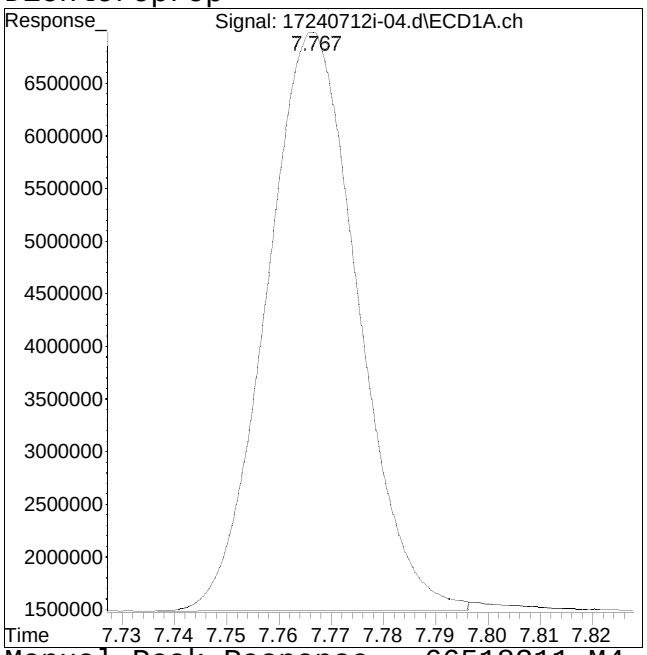
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #7: Dichloroprop



Original Peak Response = 66884644



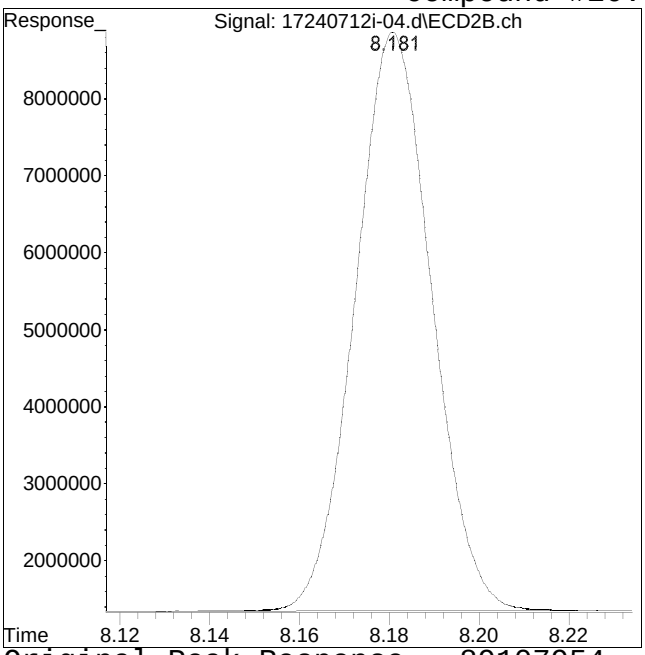
Manual Peak Response = 66518311 M4

M4 = Poor automated baseline construction.

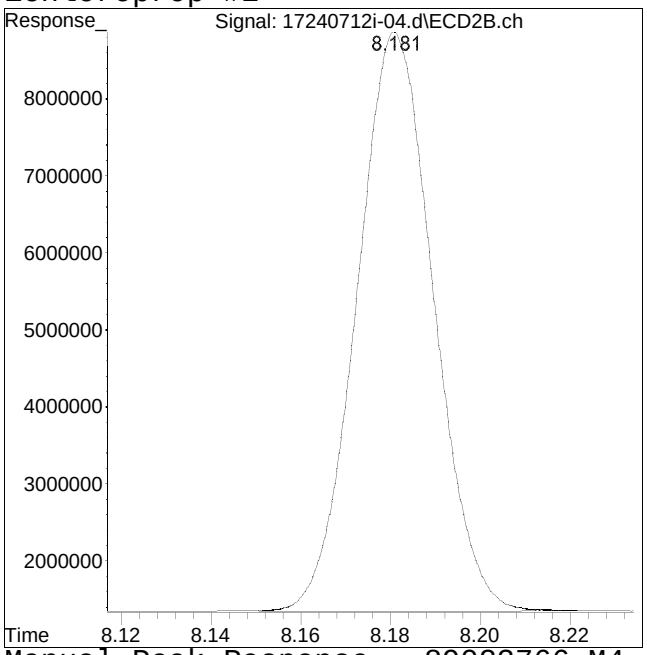
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #20: Dichloroprop #2



Original Peak Response = 89107954



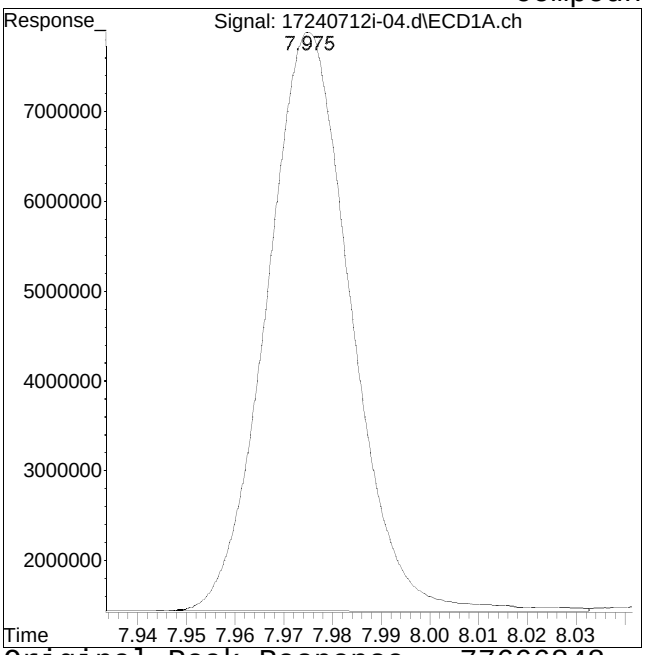
Manual Peak Response = 89023766 M4

M4 = Poor automated baseline construction.

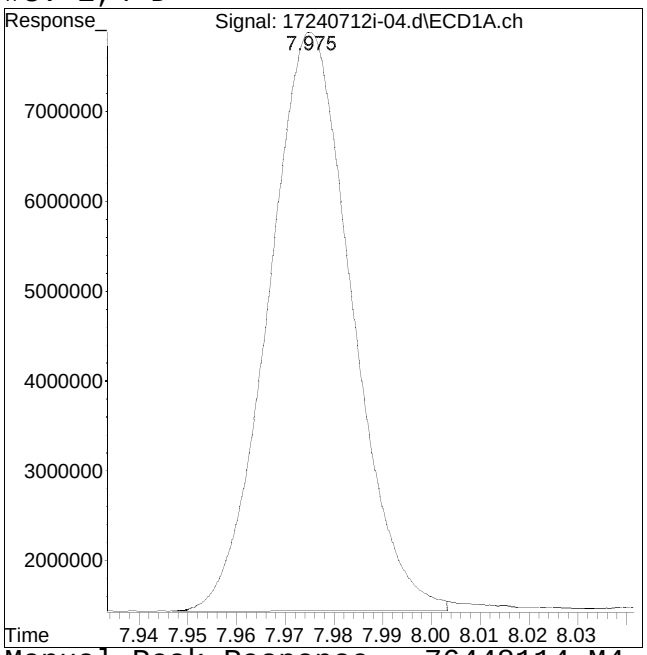
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #8: 2,4-D



Original Peak Response = 77666848



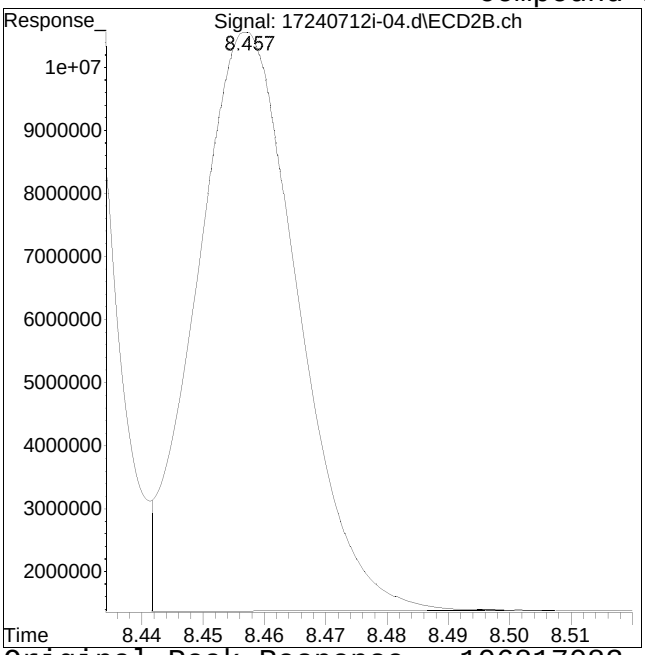
Manual Peak Response = 76448114 M4

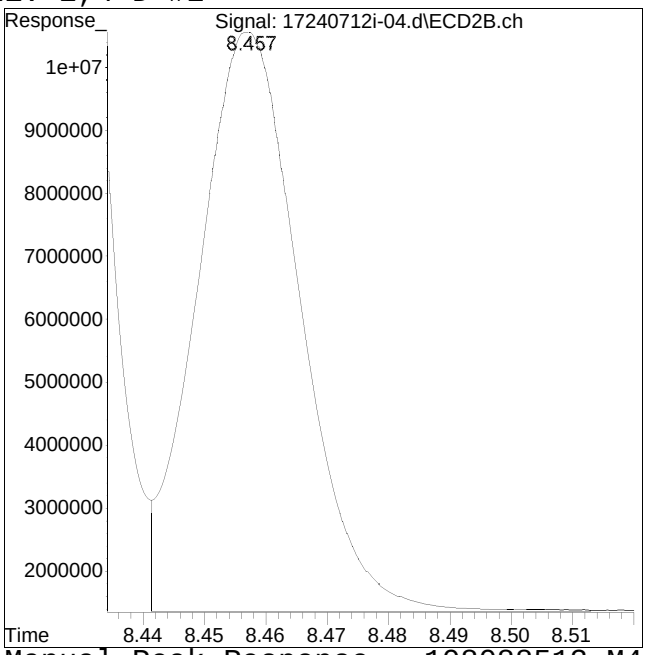
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #21: 2,4-D #2



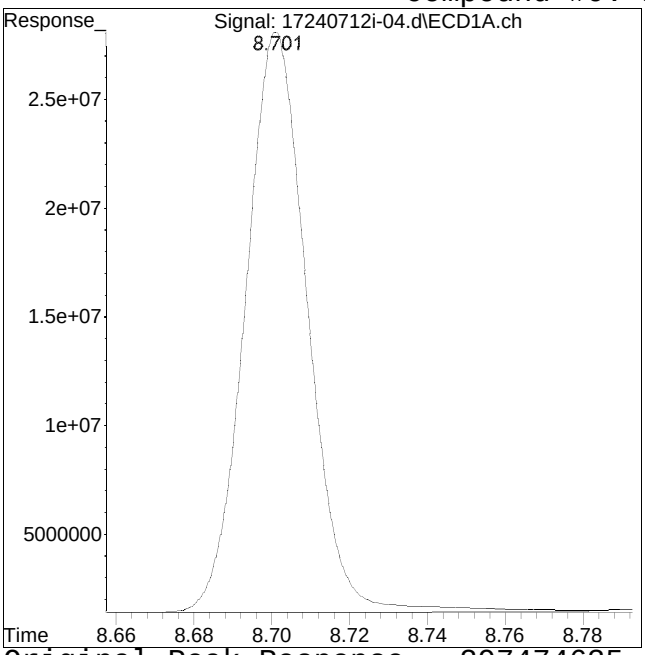


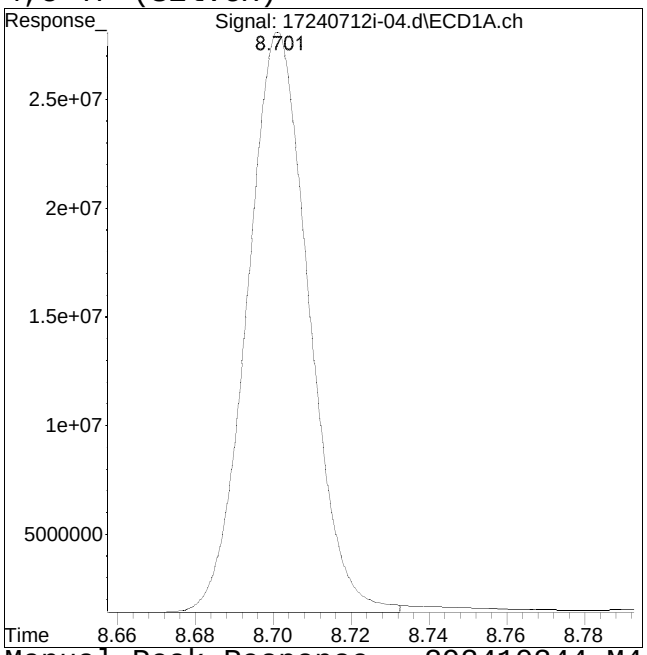
Original Peak Response = 106817083 Manual Peak Response = 108088513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #9: 2,4,5-TP (Silvex)



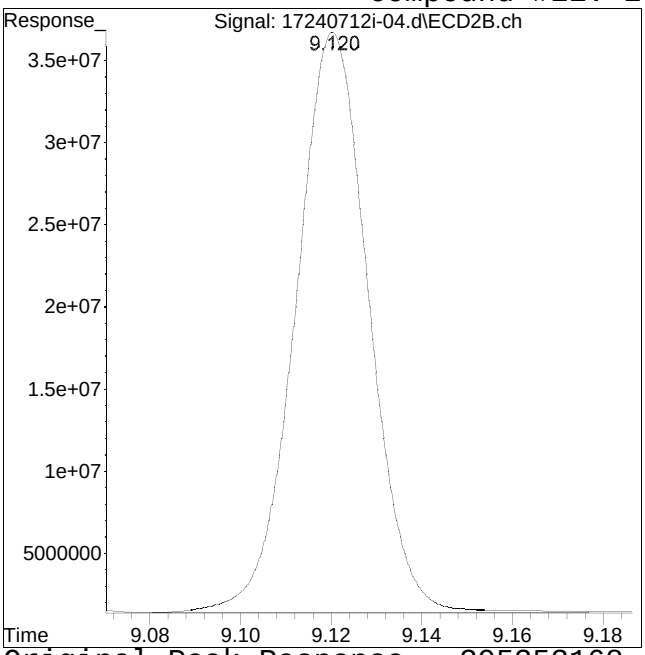


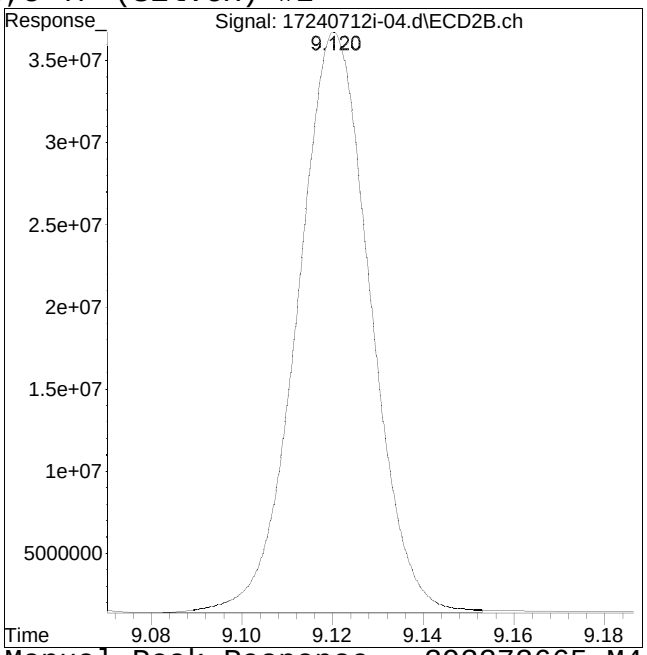
Original Peak Response = 297474635 Manual Peak Response = 292410344 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #22: 2,4,5-TP (Silvex) #2



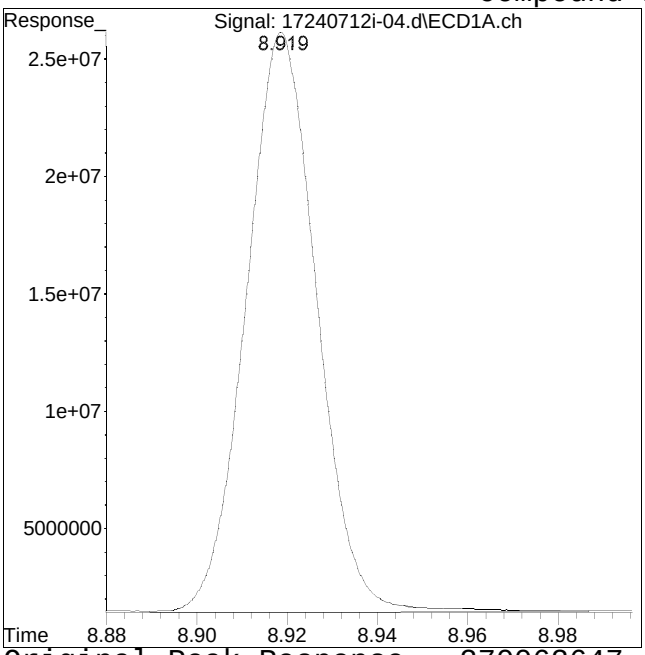


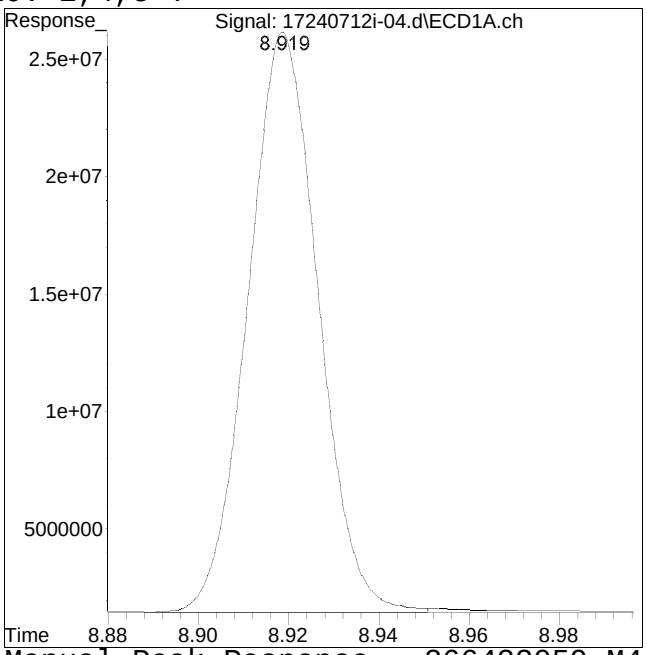
Original Peak Response = 395353168 Manual Peak Response = 393373665 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #10: 2,4,5-T



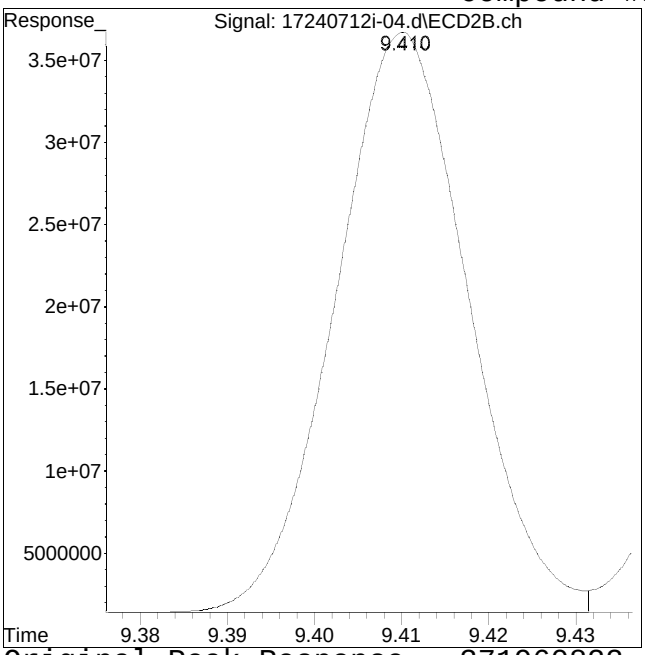


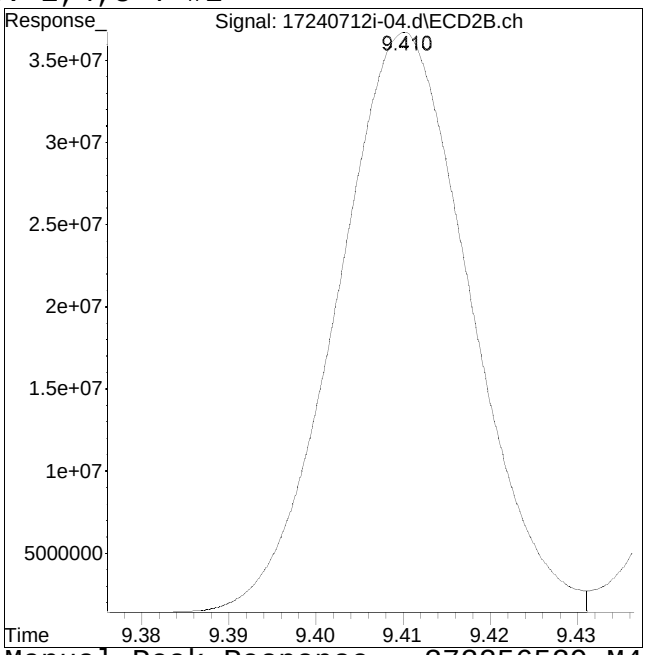
Original Peak Response = 270062647 Manual Peak Response = 266422059 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #23: 2,4,5-T #2



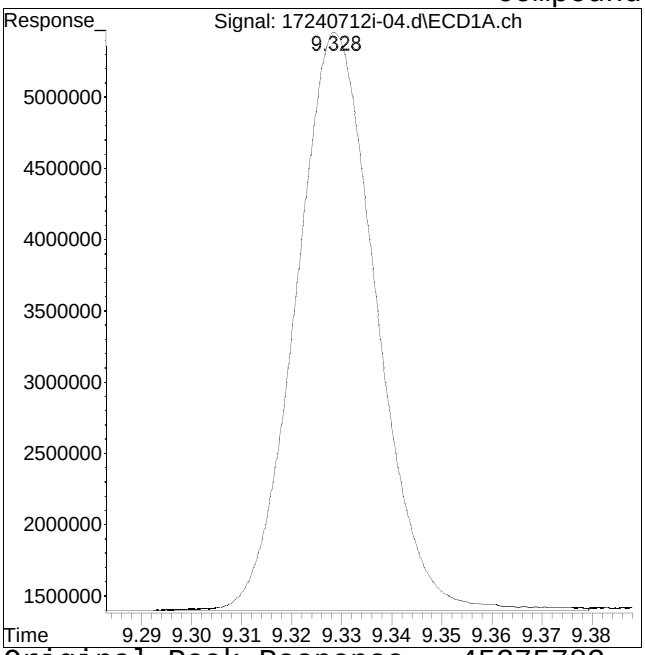


Original Peak Response = 371960822 Manual Peak Response = 372256529 M4
M4 = Poor automated baseline construction.

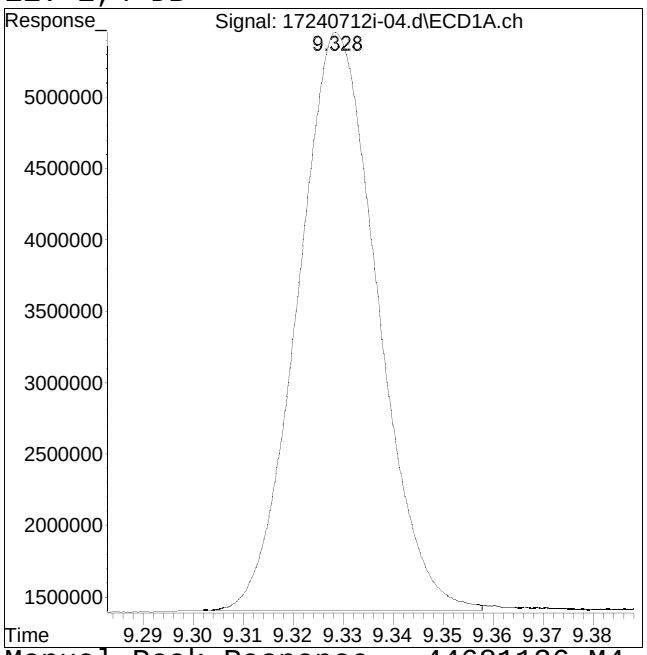
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #11: 2,4-DB



Original Peak Response = 45375783



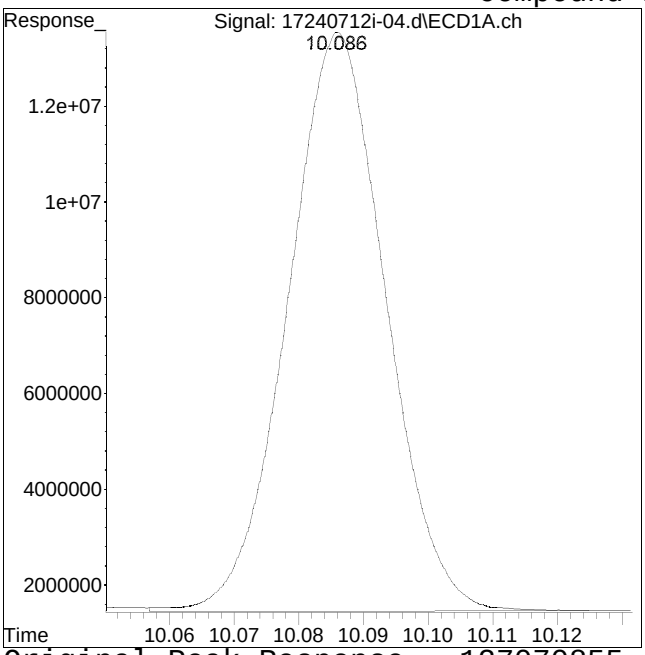
Manual Peak Response = 44681136 M4

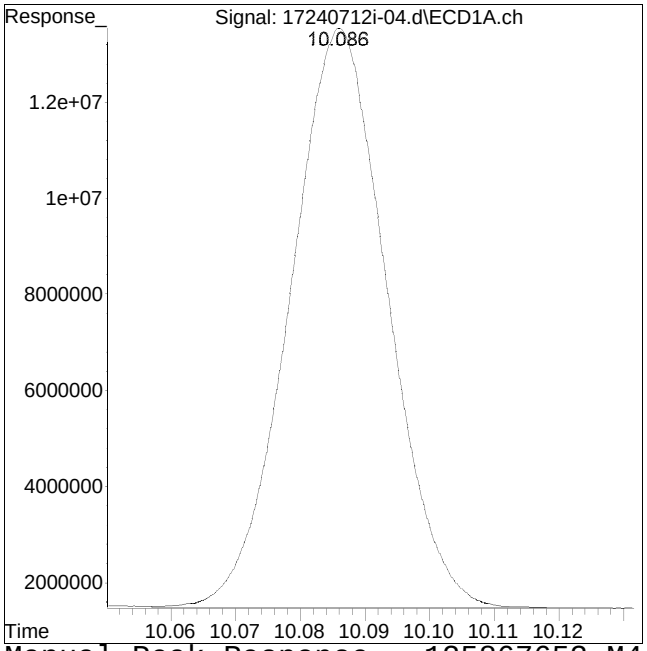
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #12: Dinoseb



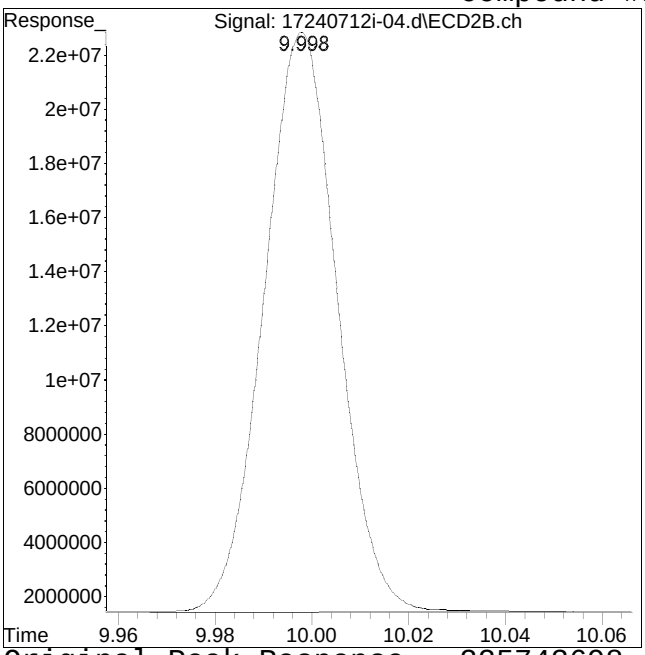


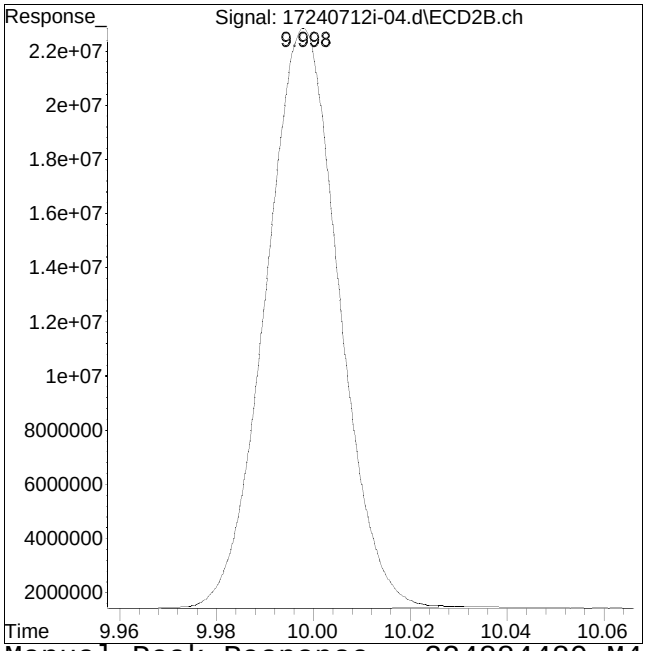
Original Peak Response = 127070855 Manual Peak Response = 125867653 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #25: Dinoseb #2





Original Peak Response = 225743698 Manual Peak Response = 224884480 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	610.9E6	634.9E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.875	7.340	169.3E6	219.8E6	0.439M4	0.440M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	87.80%	88.00%
		Target Compounds						
2)	t	Dalapon	1.894	1.918	152.5E6	214.9E6	0.439	0.436
4)	t	Dicamba	7.060	7.521	594.5E6	667.5E6	0.456M4	0.452M4
5)	t	MCPP	7.266	7.636	84711533	83546682	44.140M4	44.722M4
6)	t	MCPA	7.412	7.863	128.4E6	133.9E6	41.768M4	42.721M4
7)	t	Dichloroprop	7.767	8.181	161.0E6	203.3E6	0.452M4	0.441
8)	t	2,4-D	7.975	8.457	185.4E6	249.9E6	0.452M4	0.449M4
9)	t	2,4,5-TP (Si	8.702	9.120	735.5E6	944.5E6	0.466M4	0.457M4
10)	t	2,4,5-T	8.919	9.411	669.5E6	898.5E6	0.466M4	0.459
11)	t	2,4-DB	9.329	9.773	108.2E6	145.9E6	0.462M4	0.458M4
12)	t	Dinoseb	10.086	9.998	301.3E6	540.6E6	0.454M4	0.458M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

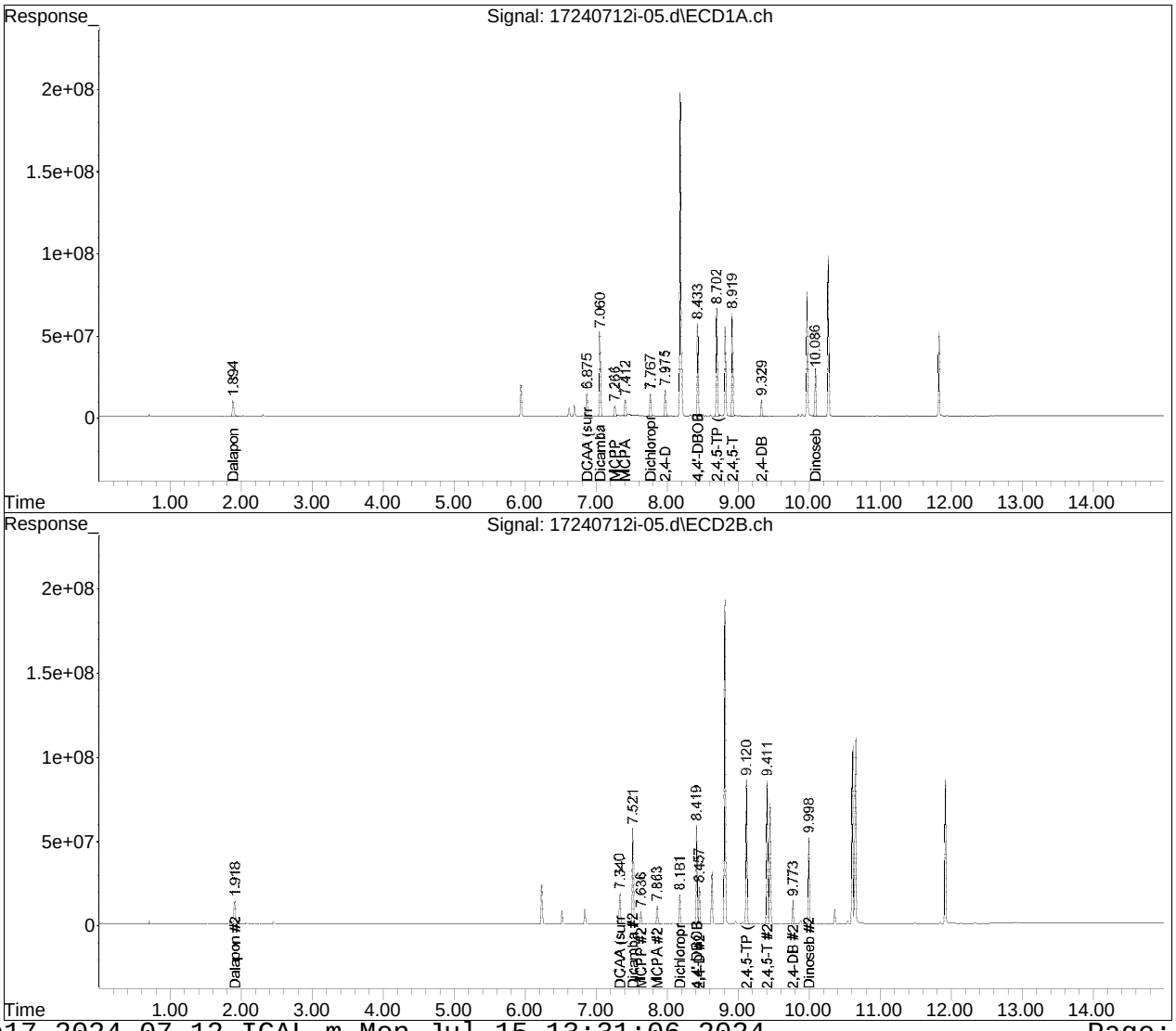
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

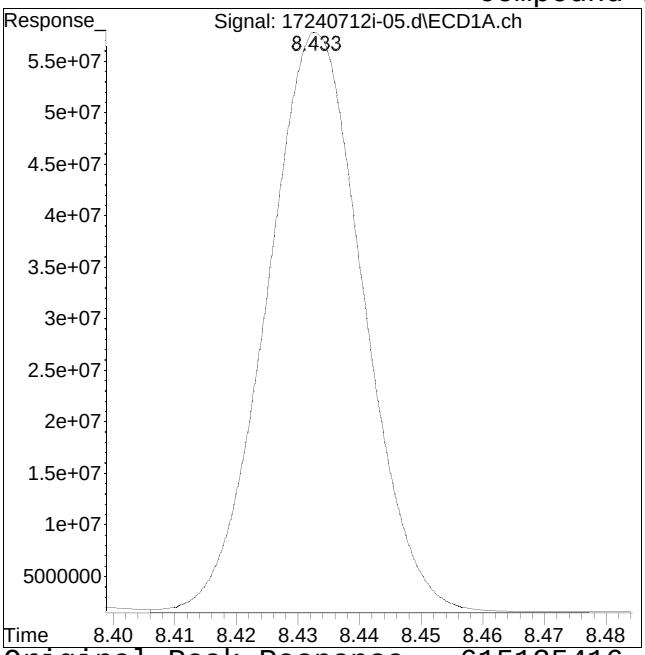
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

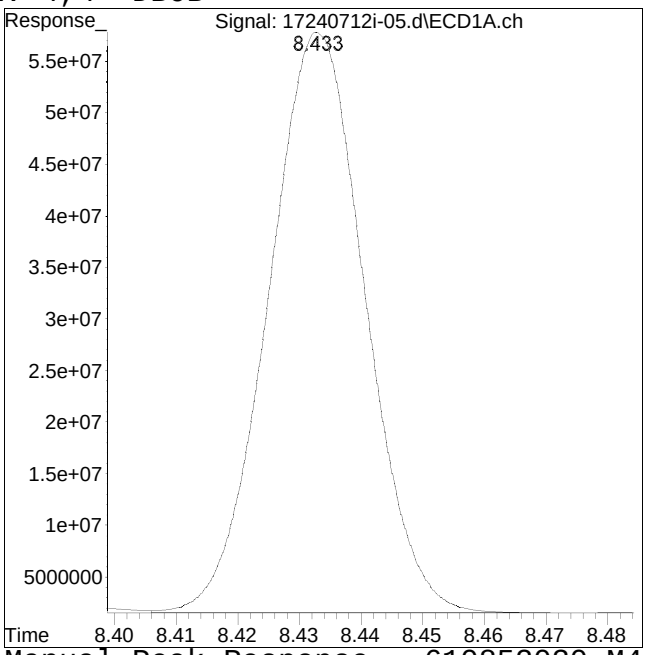


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #1: 4,4'-DBOB



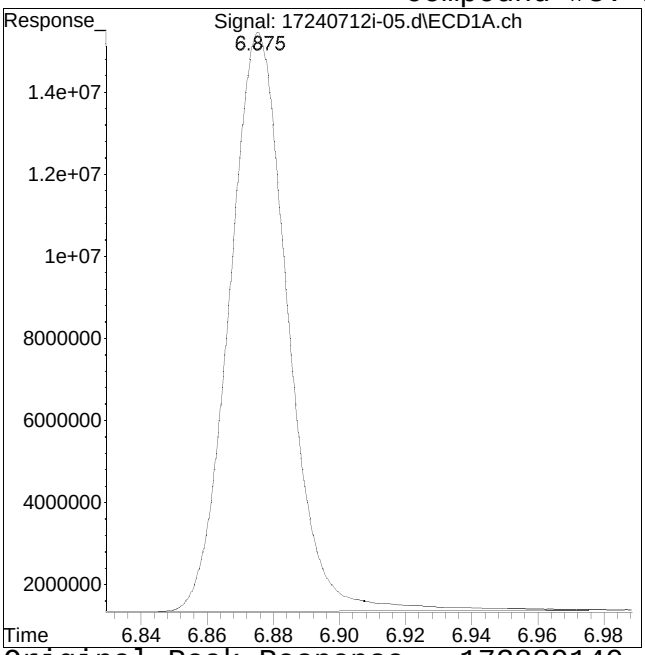


Original Peak Response = 615125416 Manual Peak Response = 610852030 M4
M4 = Poor automated baseline construction.

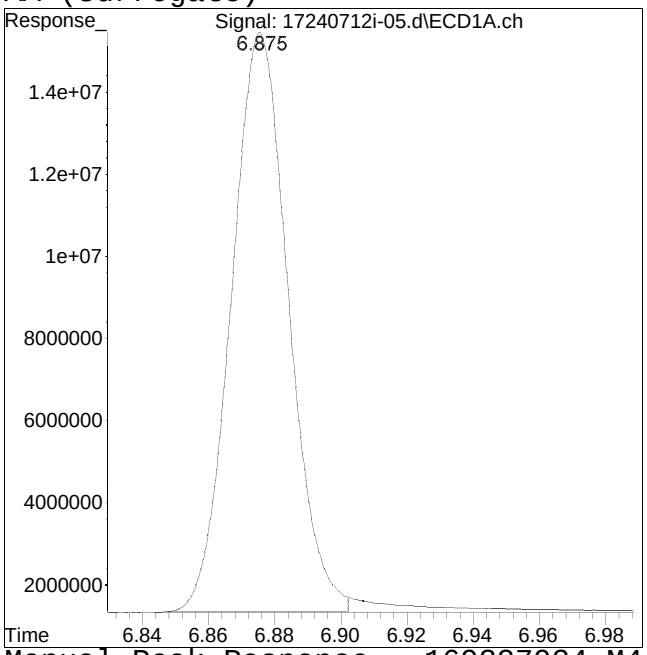
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #3: DCAA (surrogate)



Original Peak Response = 173839140

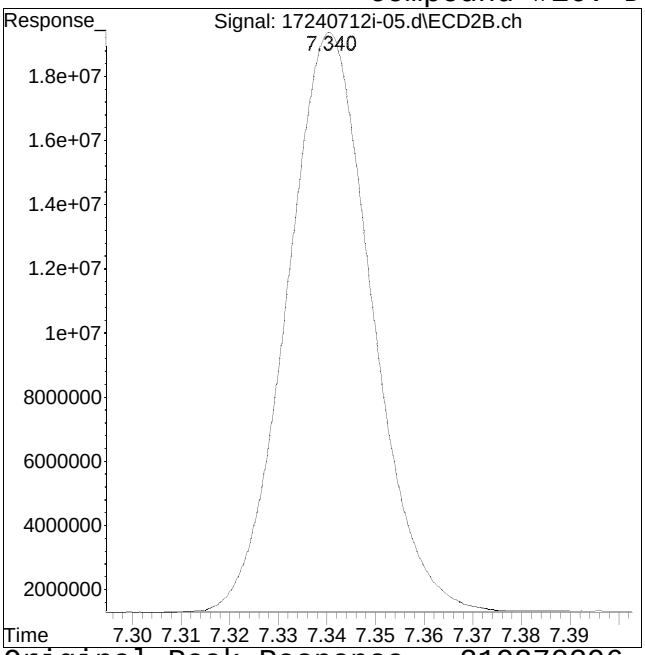


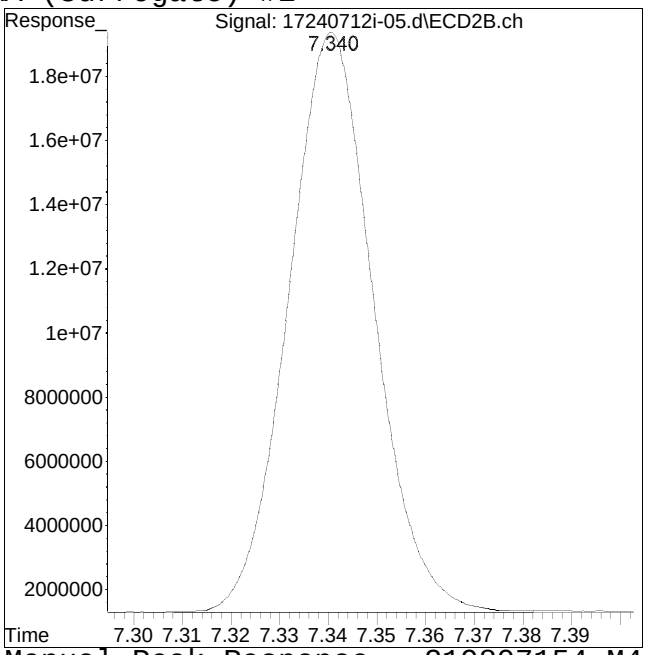
Manual Peak Response = 169327924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #16: DCAA (surrogate) #2



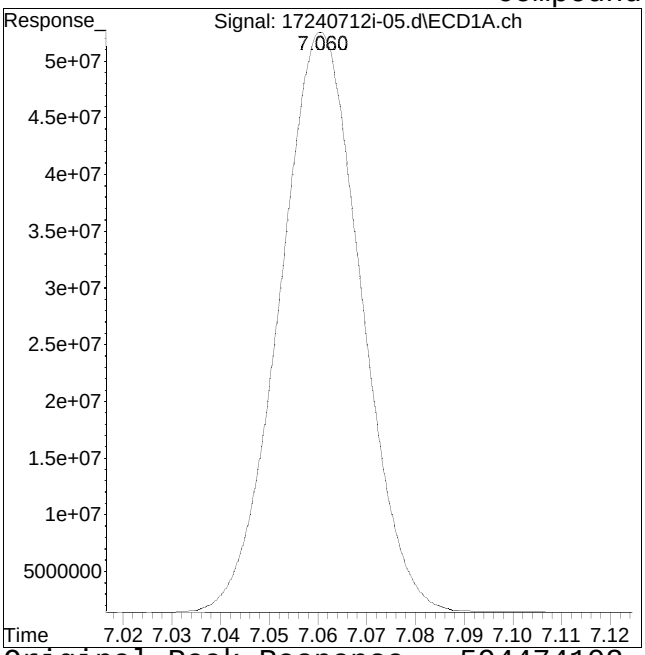


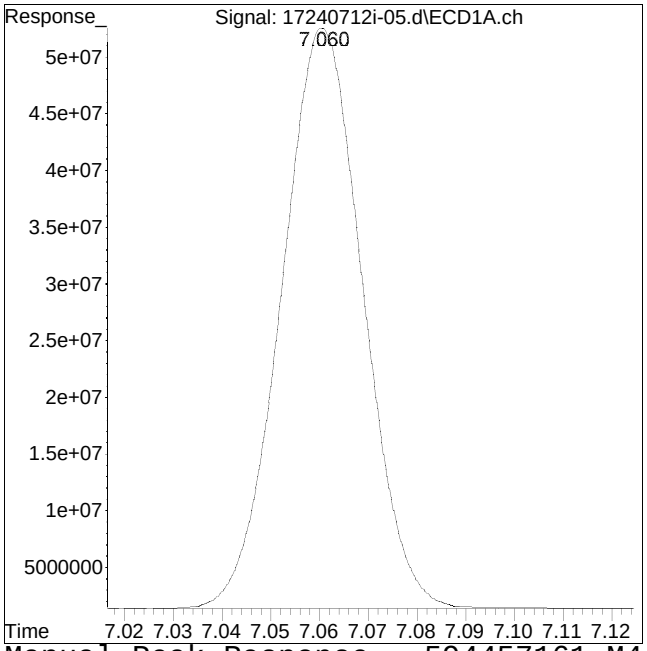
Original Peak Response = 219270396 Manual Peak Response = 219807154 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #4: Dicamba



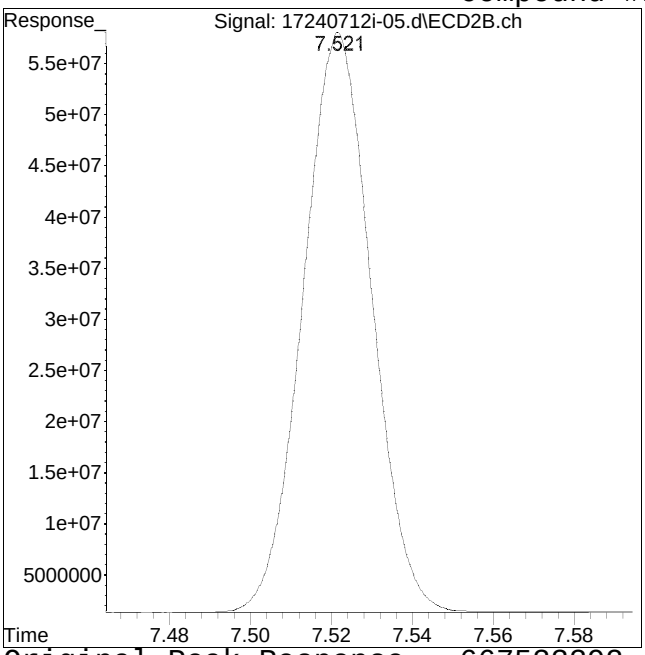


Original Peak Response = 594474102 Manual Peak Response = 594457161 M4
M4 = Poor automated baseline construction.

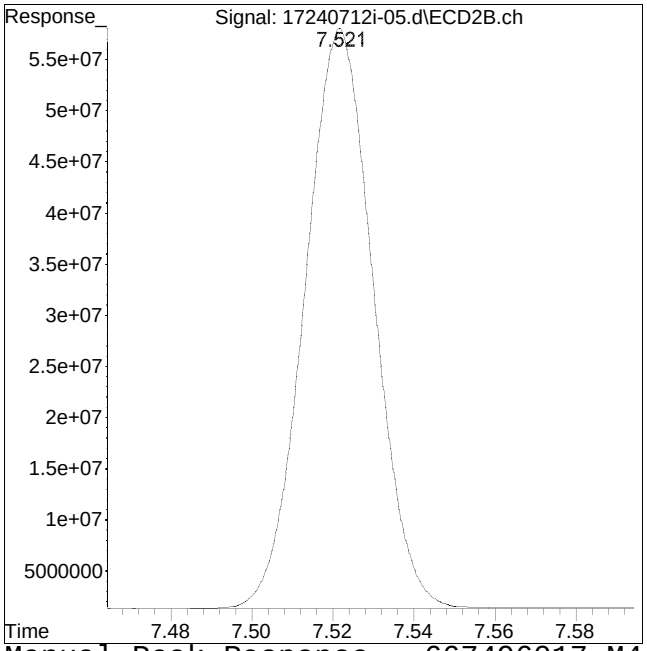
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #17: Dicamba #2



Original Peak Response = 667533392

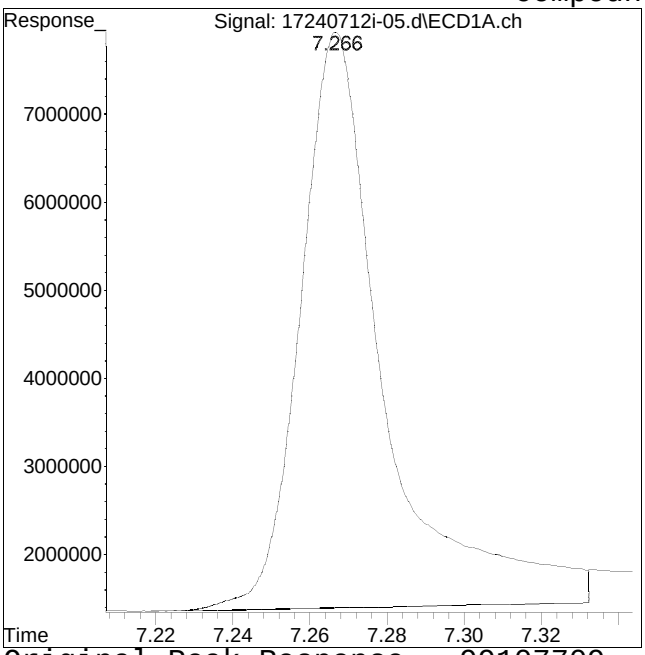


Manual Peak Response = 667496017 M4
M4 = Poor automated baseline construction.

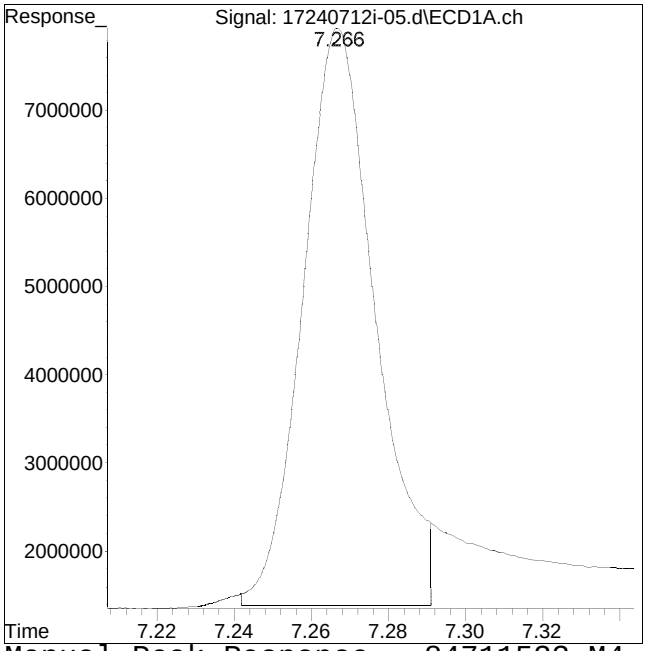
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #5: MCPP



Original Peak Response = 99107709



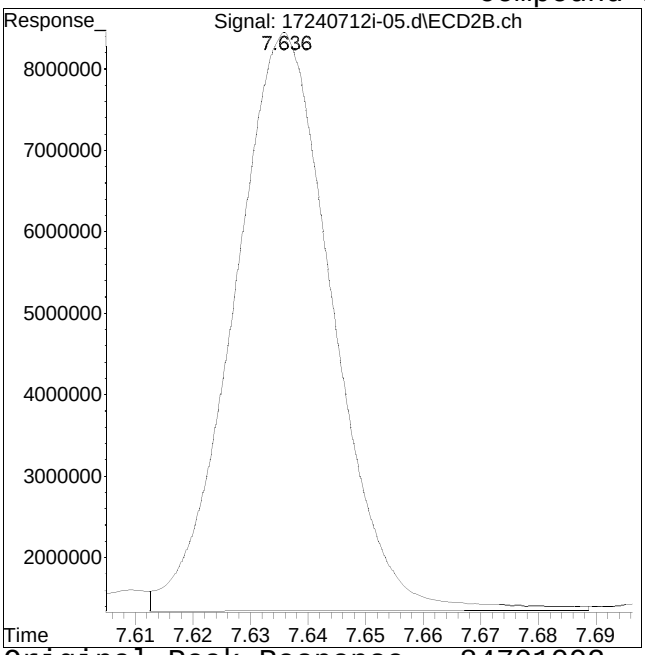
Manual Peak Response = 84711533 M4

M4 = Poor automated baseline construction.

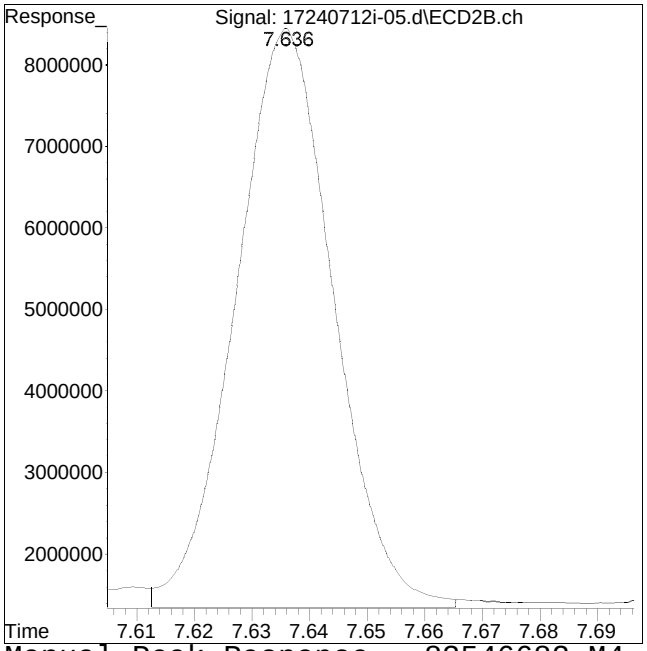
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #18: MCPP #2



Original Peak Response = 84701092



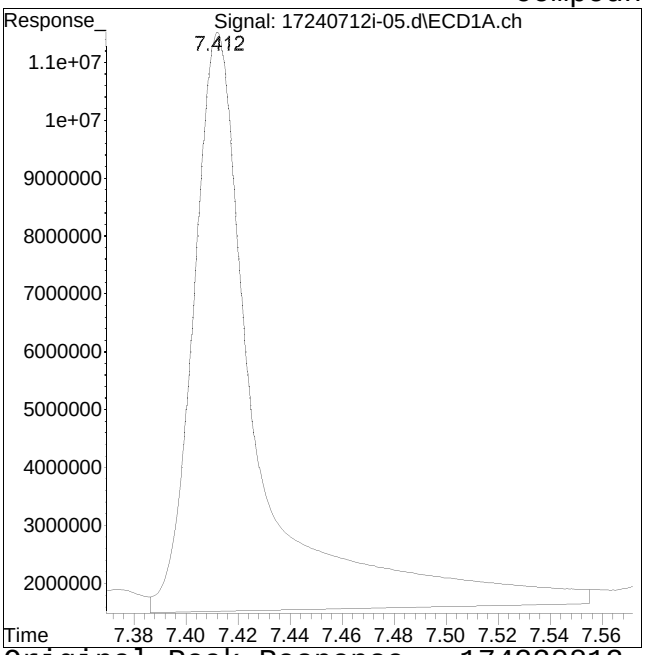
Manual Peak Response = 83546682 M4

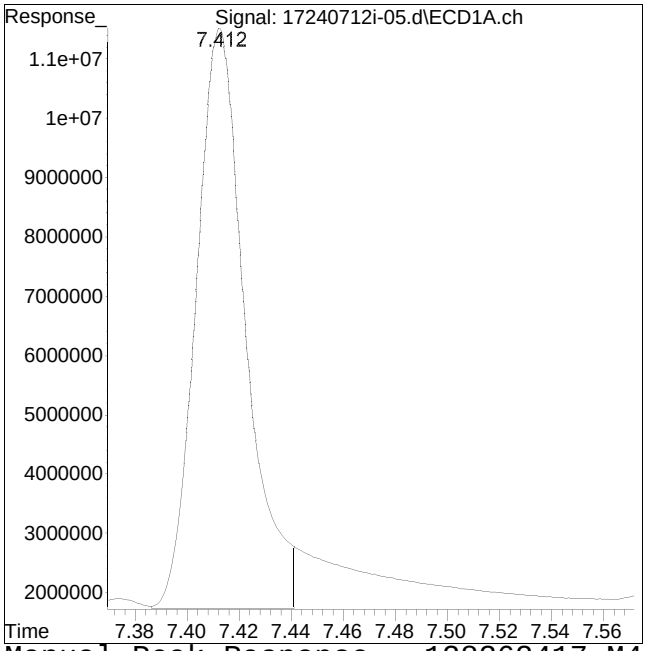
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #6: MCPA



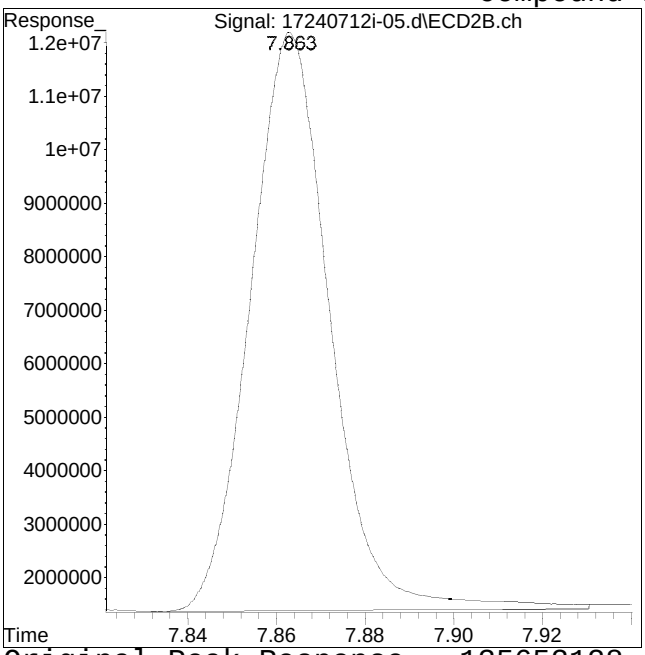


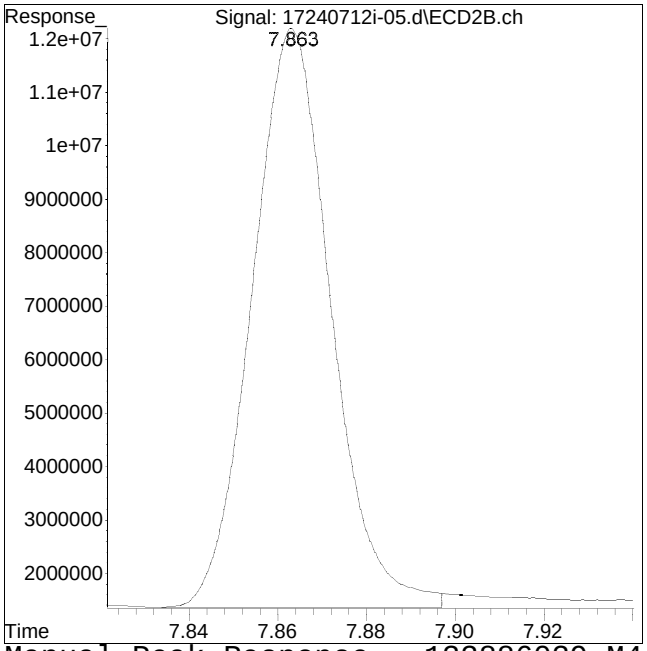
Original Peak Response = 174220812 Manual Peak Response = 128362417 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #19: MCPA #2



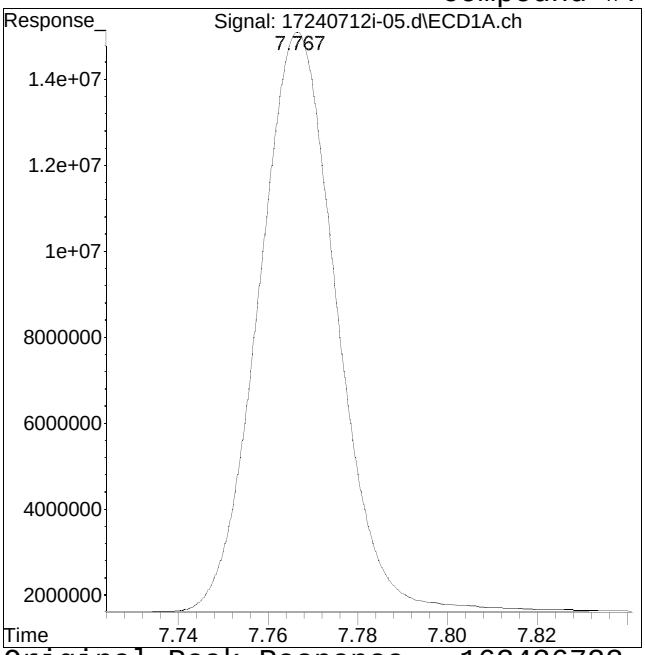


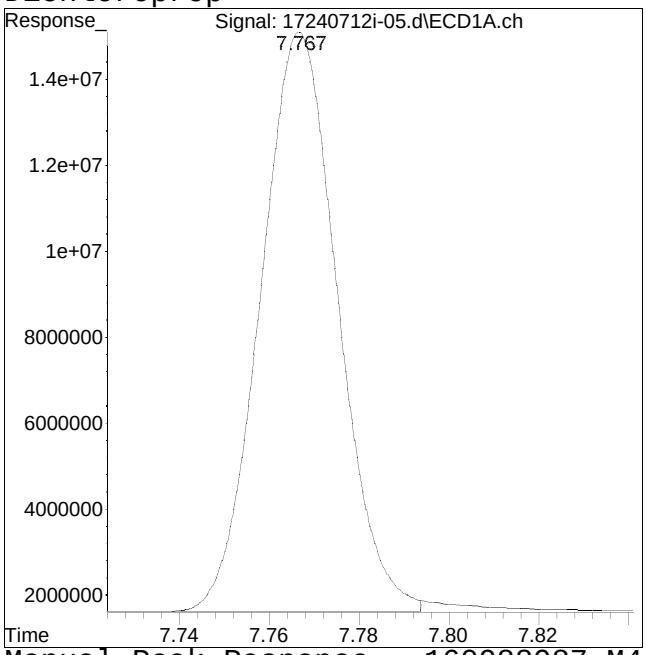
Original Peak Response = 135652128 Manual Peak Response = 133886039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #7: Dichloroprop



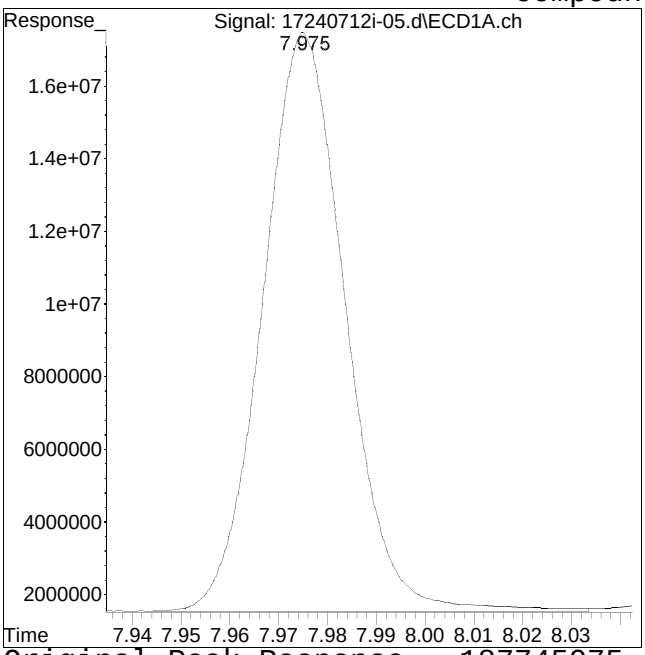


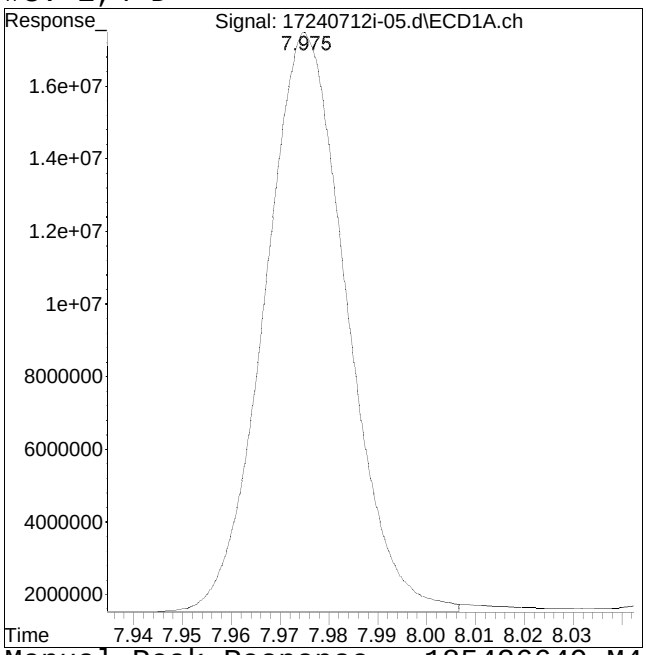
Original Peak Response = 163436723 Manual Peak Response = 160988987 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #8: 2,4-D



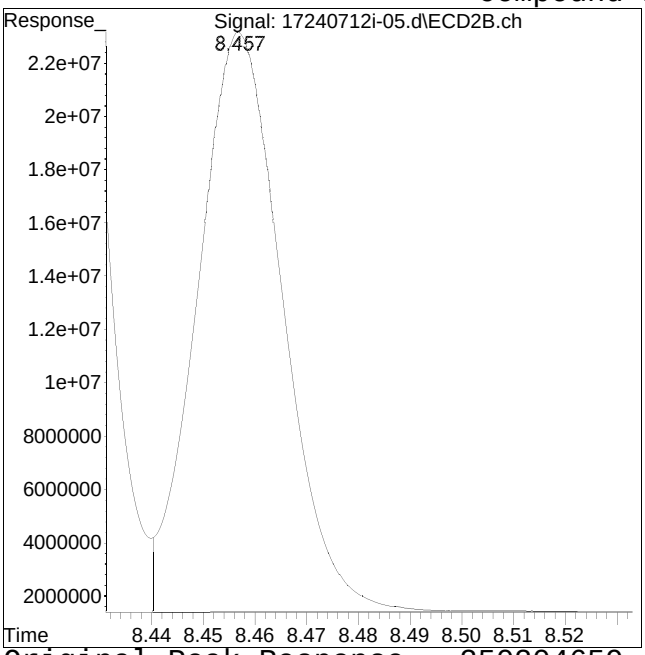


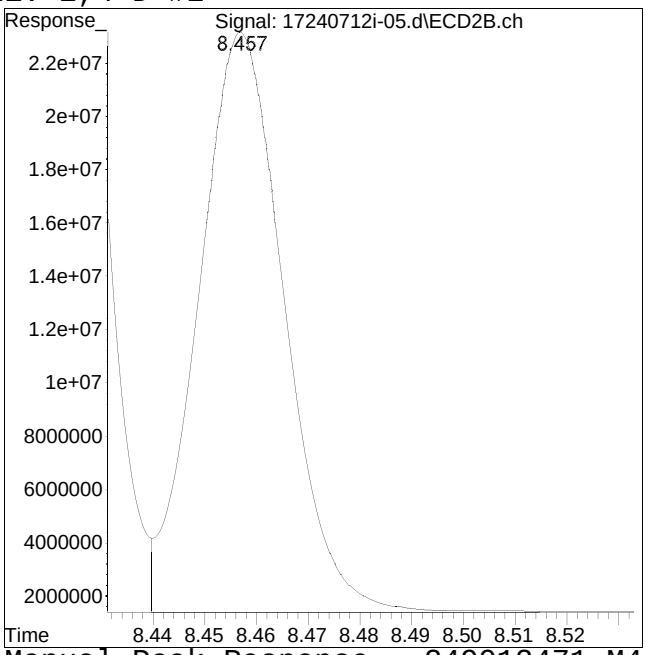
Original Peak Response = 187745975 Manual Peak Response = 185426649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #21: 2,4-D #2



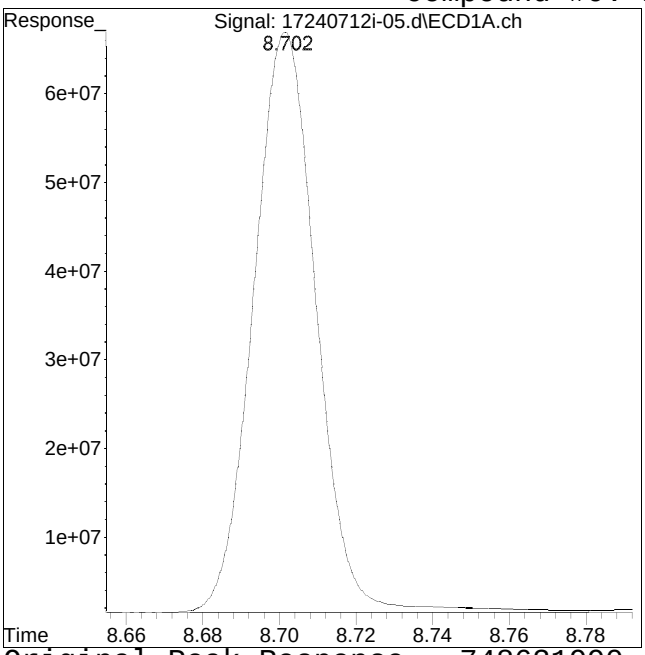


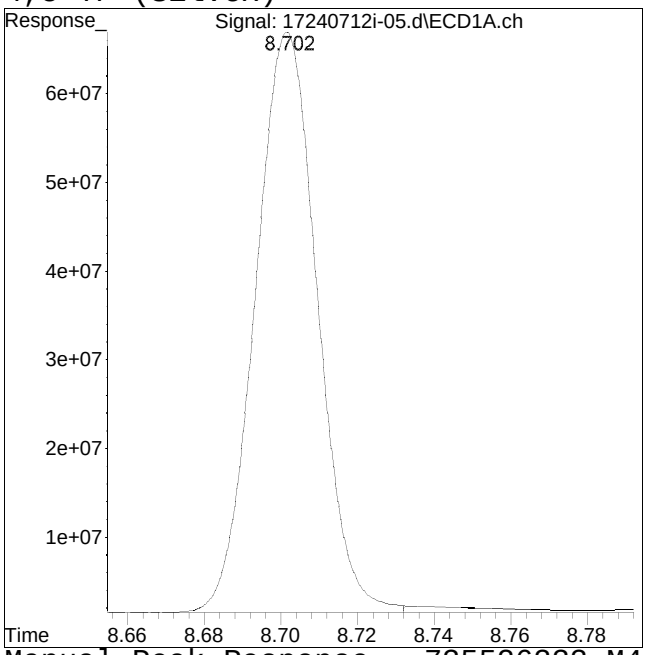
Original Peak Response = 250204659 Manual Peak Response = 249912471 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #9: 2,4,5-TP (Silvex)



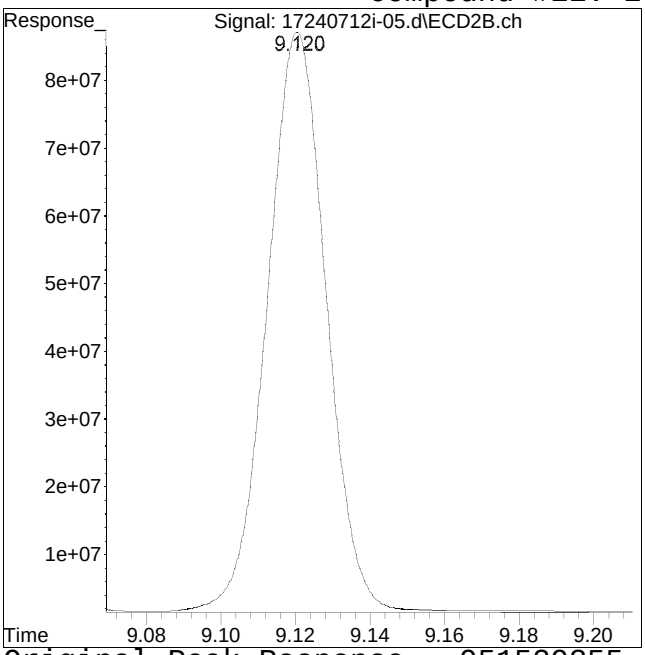


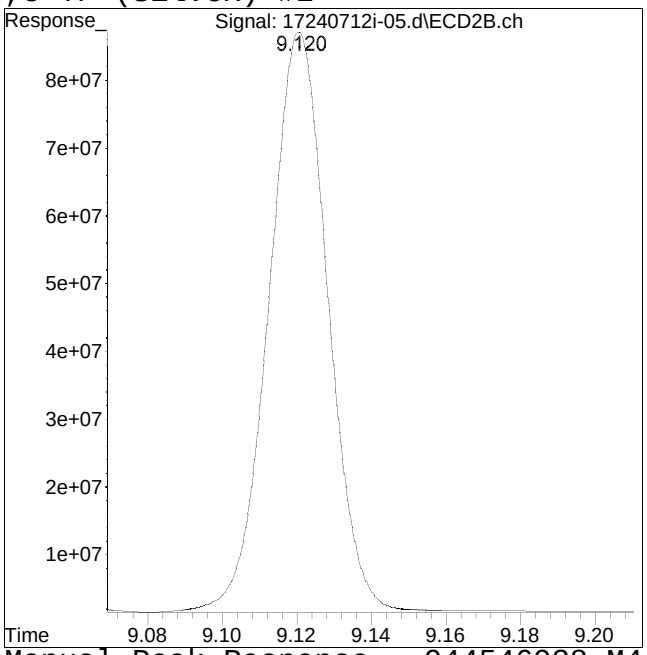
Original Peak Response = 748631990 Manual Peak Response = 735526333 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #22: 2,4,5-TP (Silvex) #2



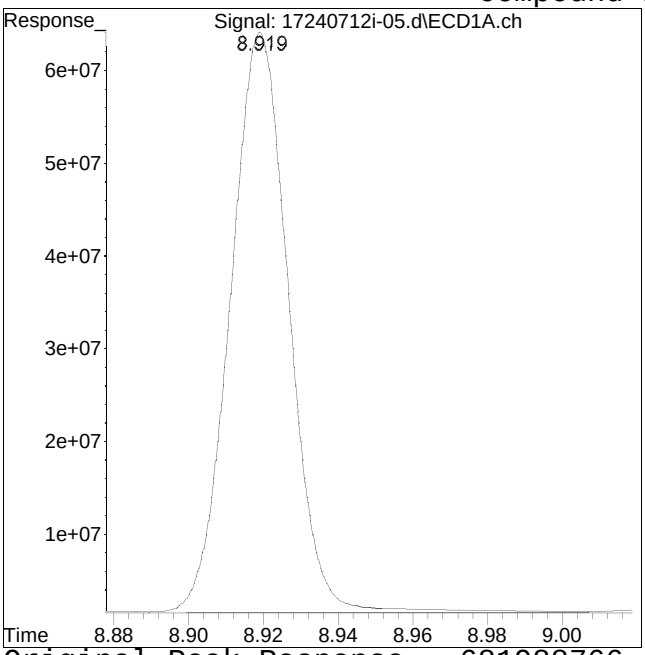


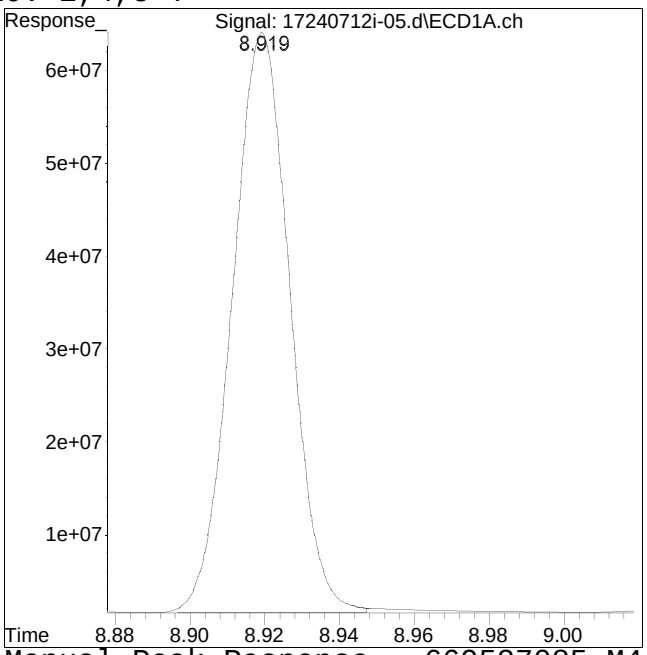
Original Peak Response = 951529355 Manual Peak Response = 944546938 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #10: 2,4,5-T



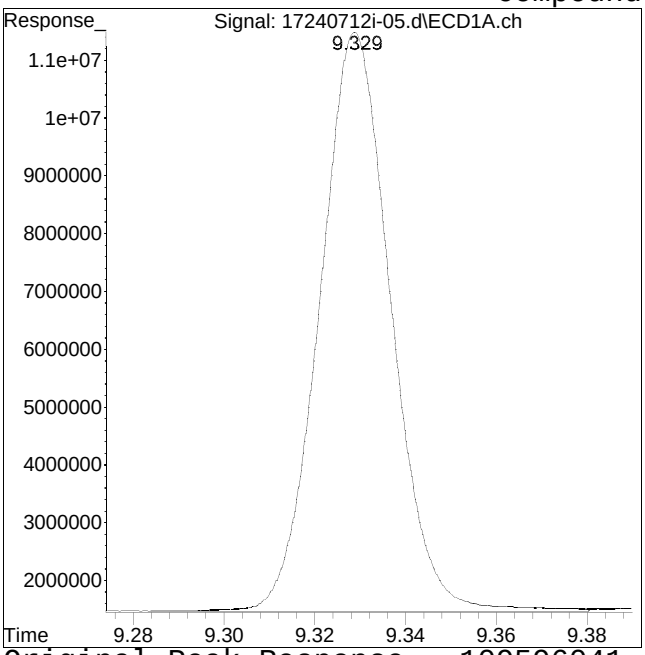


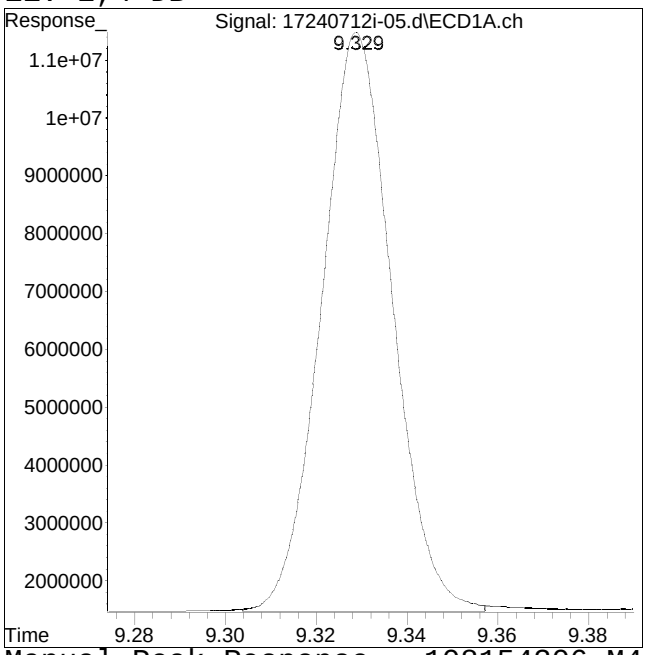
Original Peak Response = 681988766 Manual Peak Response = 669527085 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #11: 2,4-DB



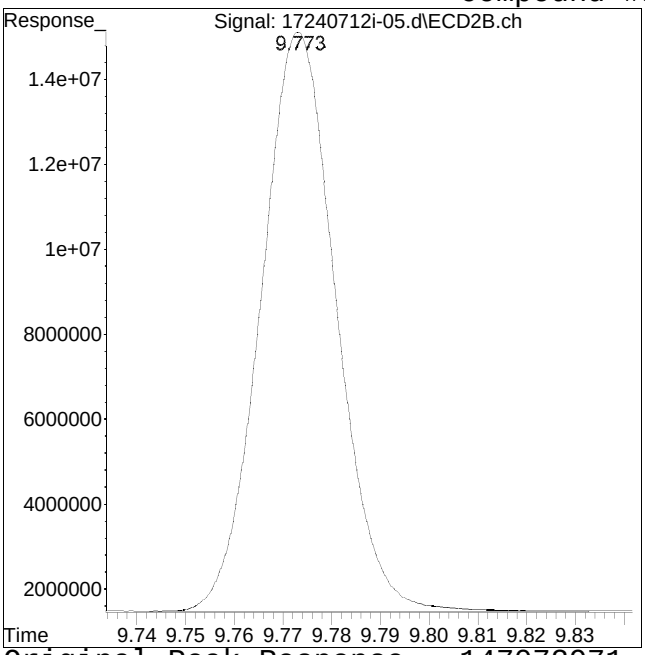


Original Peak Response = 109596041 Manual Peak Response = 108154306 M4
M4 = Poor automated baseline construction.

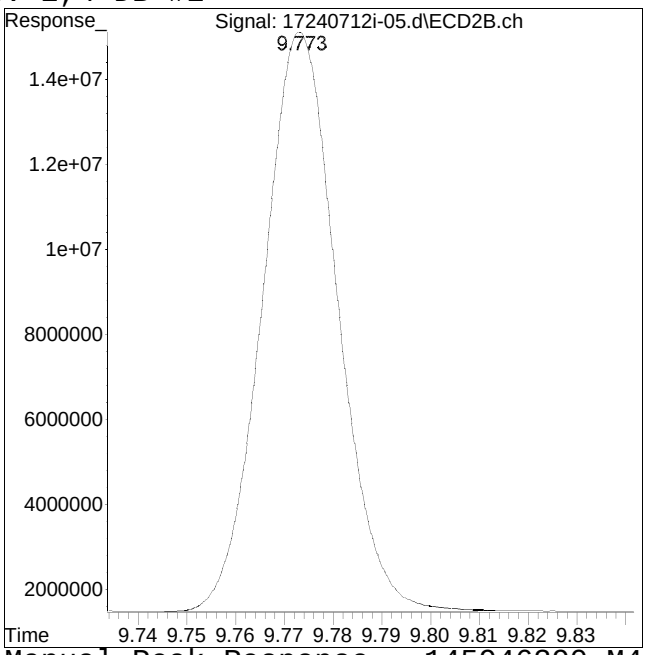
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #24: 2,4-DB #2



Original Peak Response = 147072971



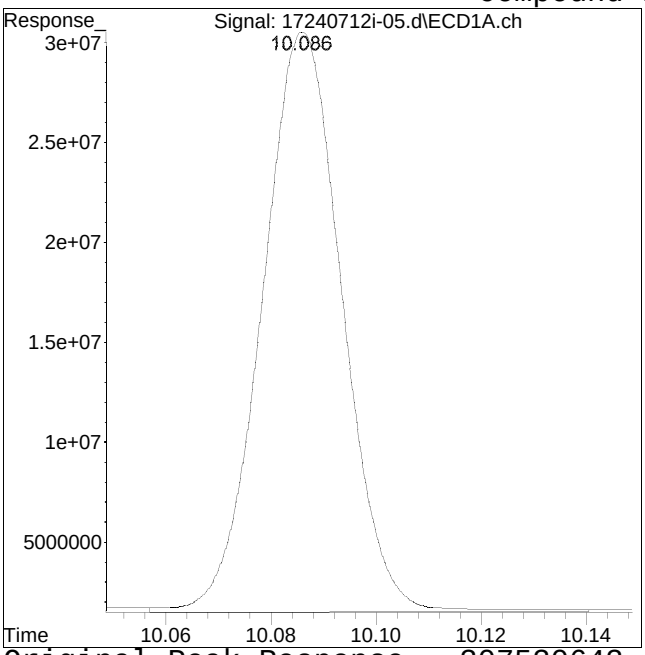
Manual Peak Response = 145946390 M4

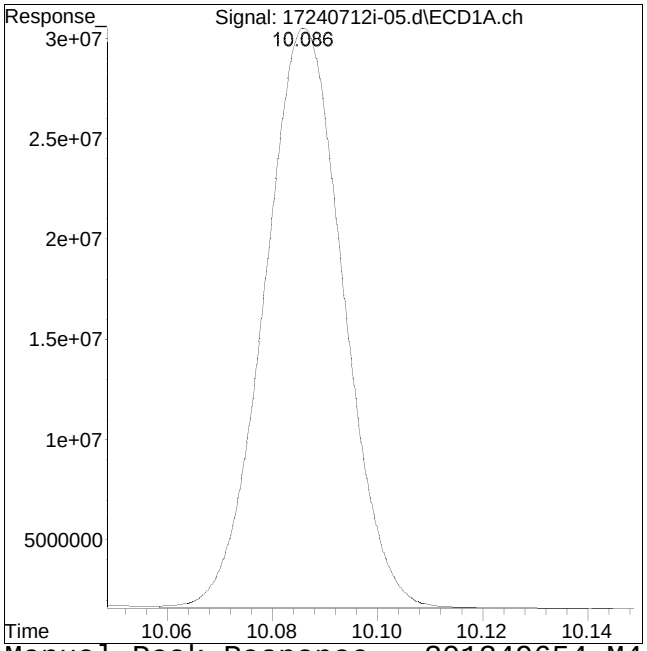
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #12: Dinoseb



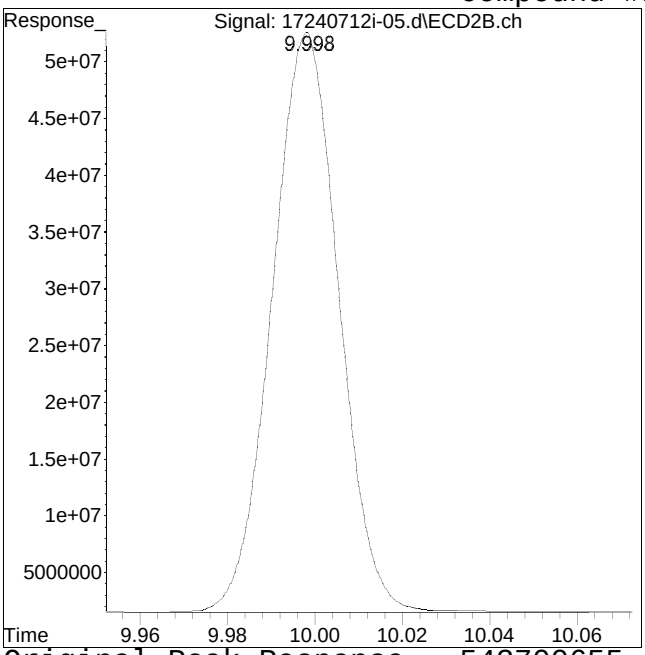


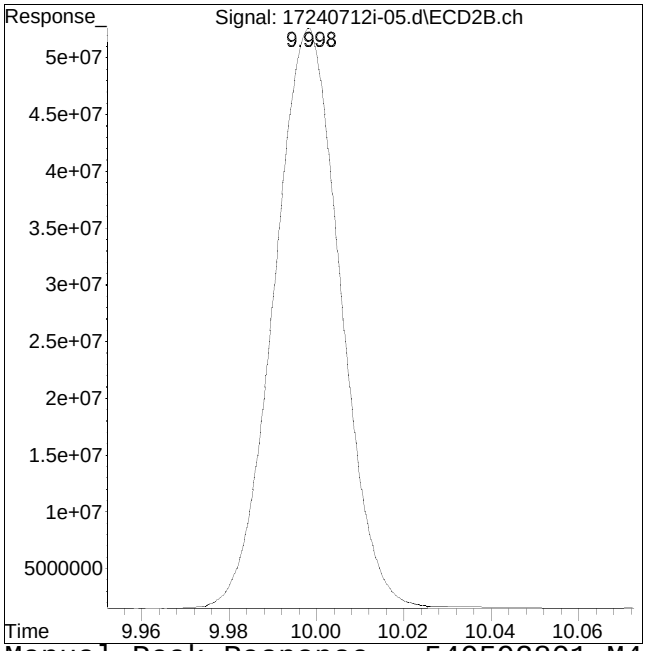
Original Peak Response = 307530643 Manual Peak Response = 301349654 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #25: Dinoseb #2





Original Peak Response = 543700655 Manual Peak Response = 540592801 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	678.4E6	695.0E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	359.2E6	451.0E6	0.869M4	0.860M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		173.80%#	172.00%#
		Target Compounds						
2)	t	Dalapon	1.897	1.921	314.5E6	436.5E6	0.845	0.840
4)	t	Dicamba	7.060	7.522	1297.5E6	1413.7E6	0.910M4	0.895M4
5)	t	MCPP	7.267	7.637	177.6E6	176.2E6	86.608M4	88.623M4
6)	t	MCPA	7.414	7.865	250.2E6	269.8E6	78.873M4	82.912M4
7)	t	Dichloroprop	7.766	8.181	353.5E6	422.3E6	0.908M4	0.868M4
8)	t	2,4-D	7.975	8.457	408.9E6	529.9E6	0.912M4	0.894M4
9)	t	2,4,5-TP (Si	8.701	9.121	1658.6E6	2034.6E6	0.947M4	0.916M4
10)	t	2,4,5-T	8.919	9.410	1521.9E6	1956.4E6	0.952M4	0.925M4
11)	t	2,4-DB	9.328	9.773	240.2E6	315.8E6	0.935M4	0.922M4
12)	t	Dinoseb	10.086	9.998	653.5E6	1175.2E6	0.907M4	0.922M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

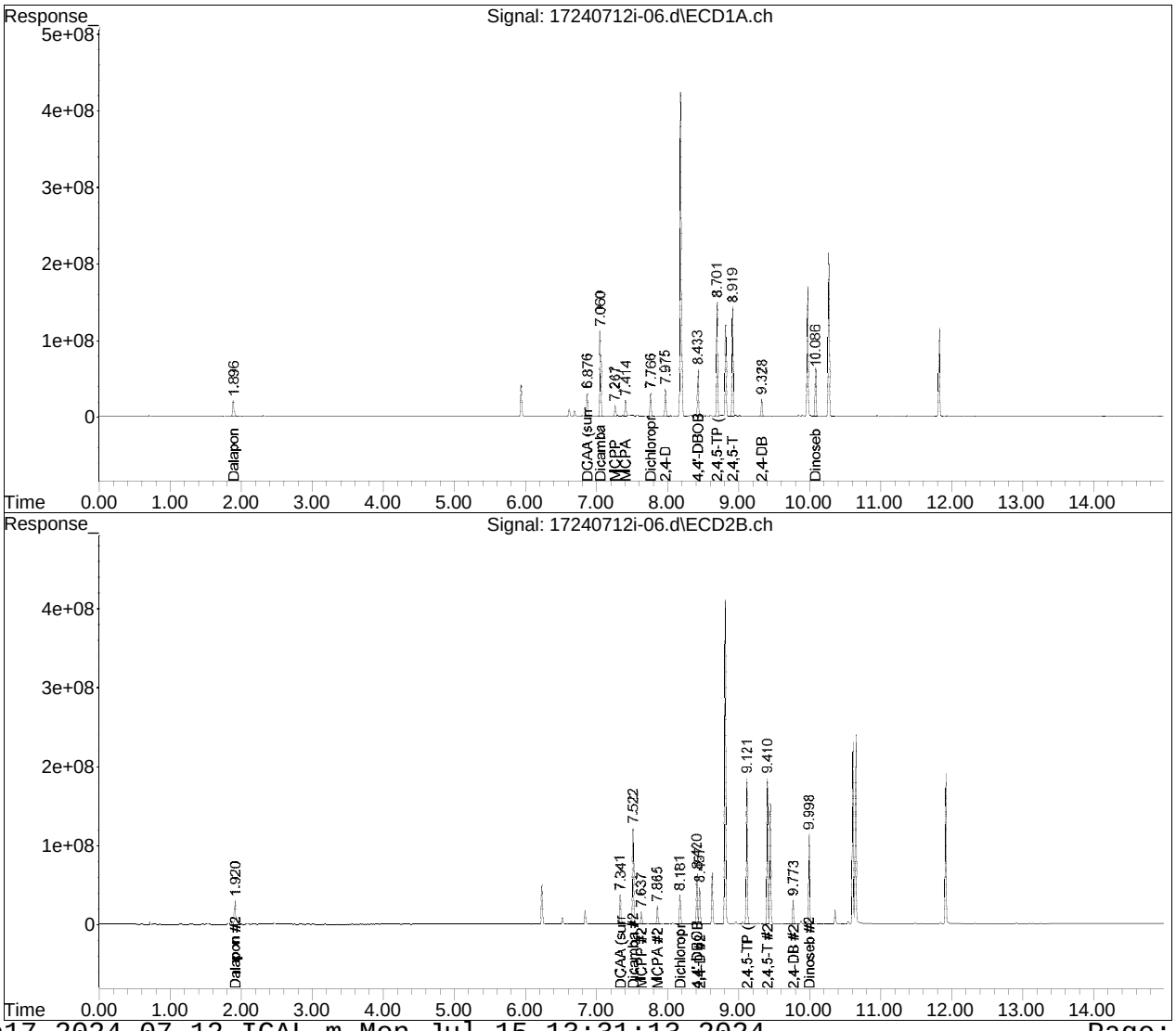
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

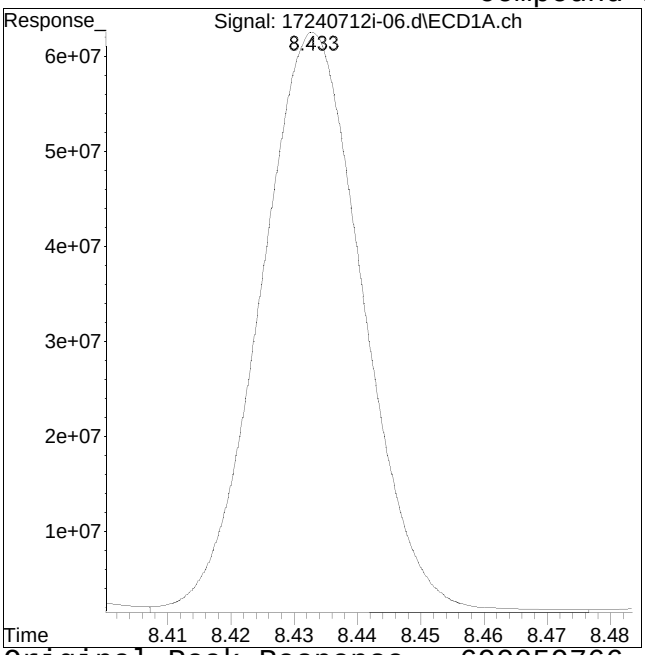
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



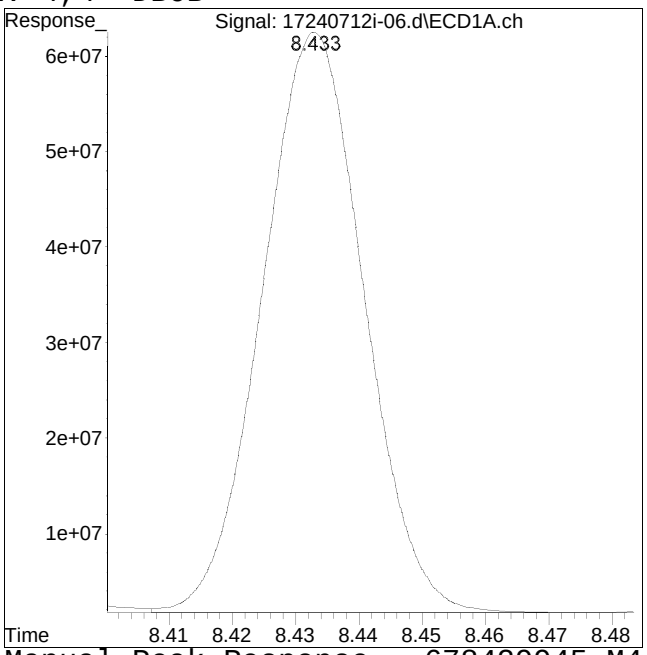
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #1: 4,4'-DBOB



Original Peak Response = 690059766



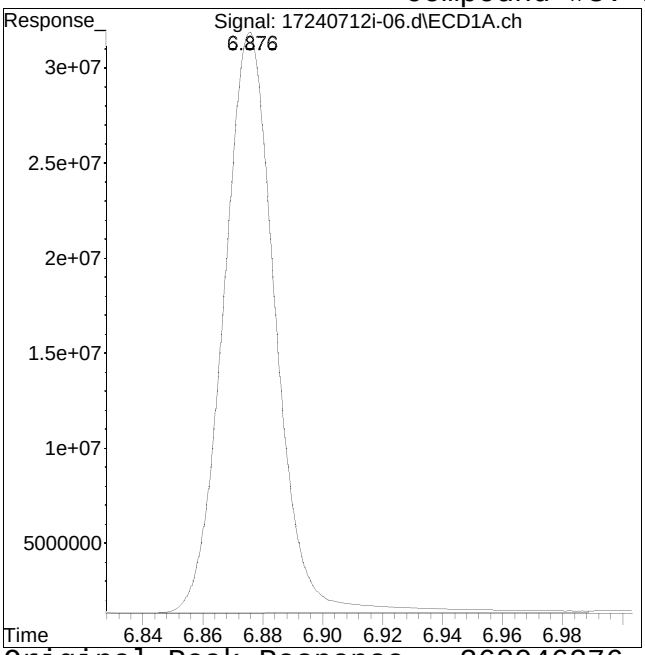
Manual Peak Response = 678429945 M4

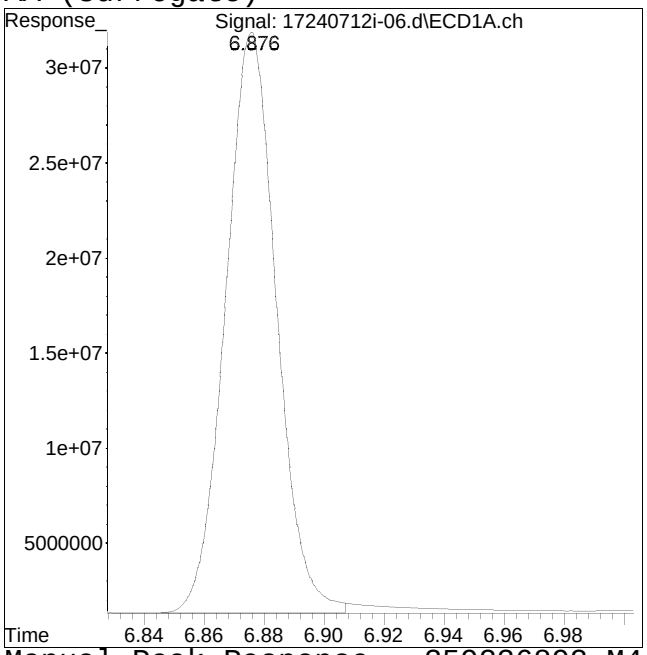
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #3: DCAA (surrogate)



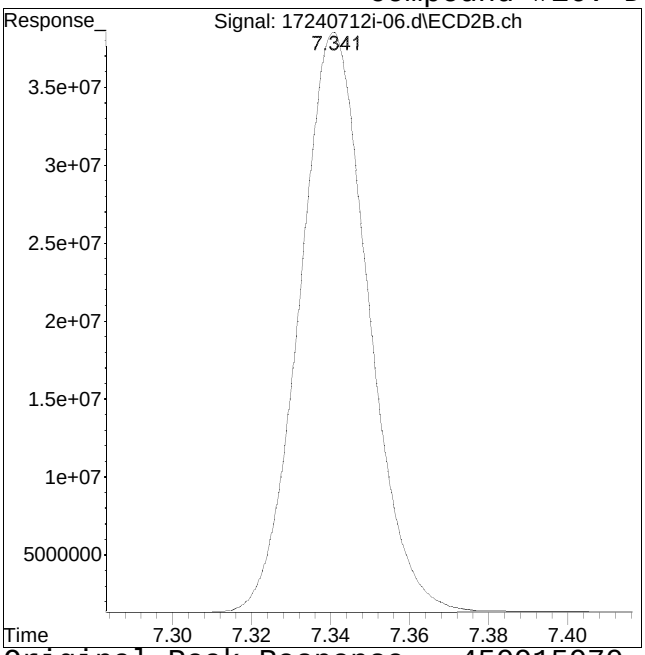


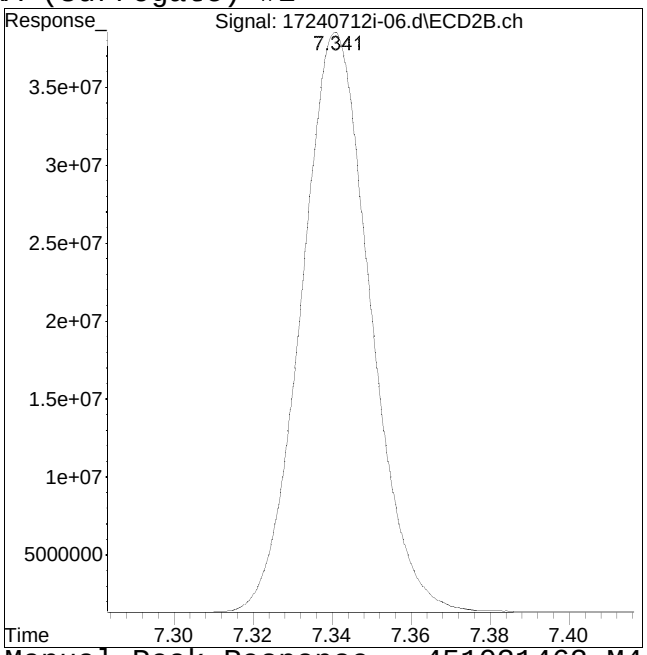
Original Peak Response = 368046276 Manual Peak Response = 359236892 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #16: DCAA (surrogate) #2



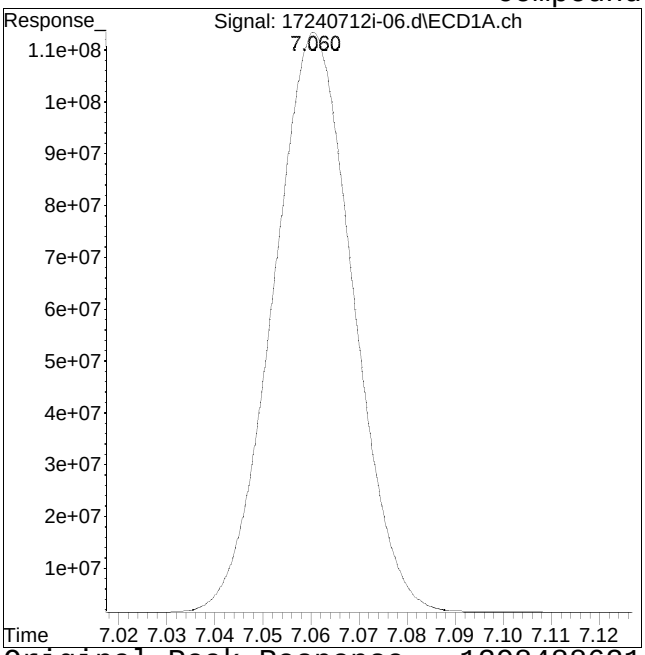


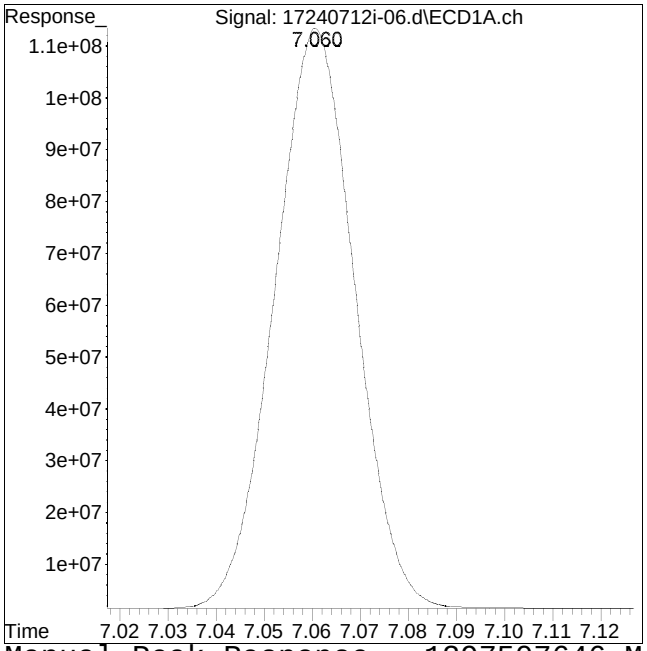
Original Peak Response = 450915970 Manual Peak Response = 451031462 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #4: Dicamba



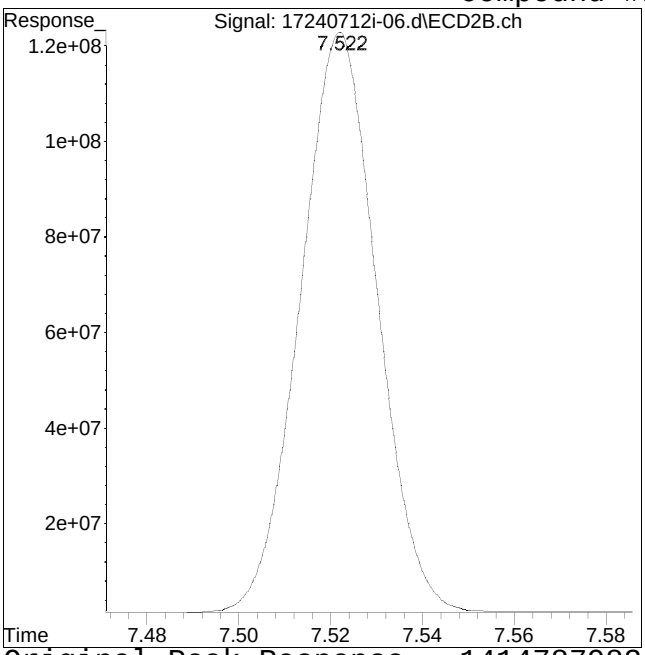


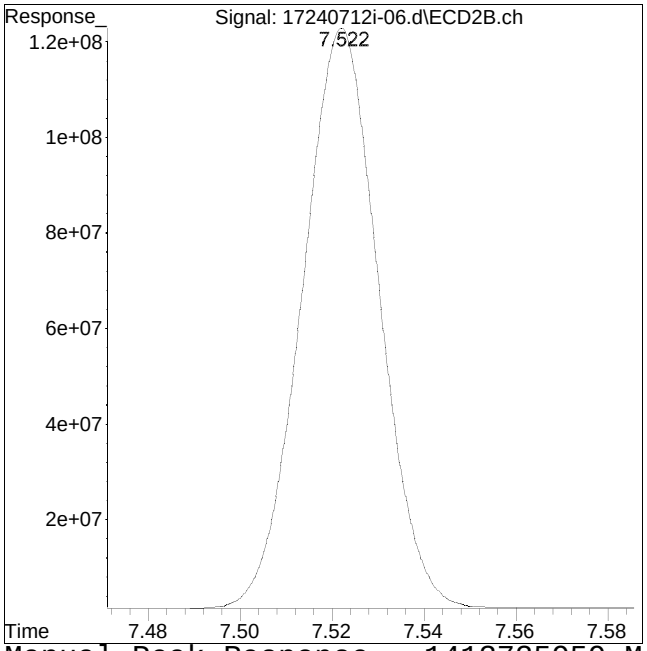
Original Peak Response = 1298488621 Manual Peak Response = 1297507646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #17: Dicamba #2



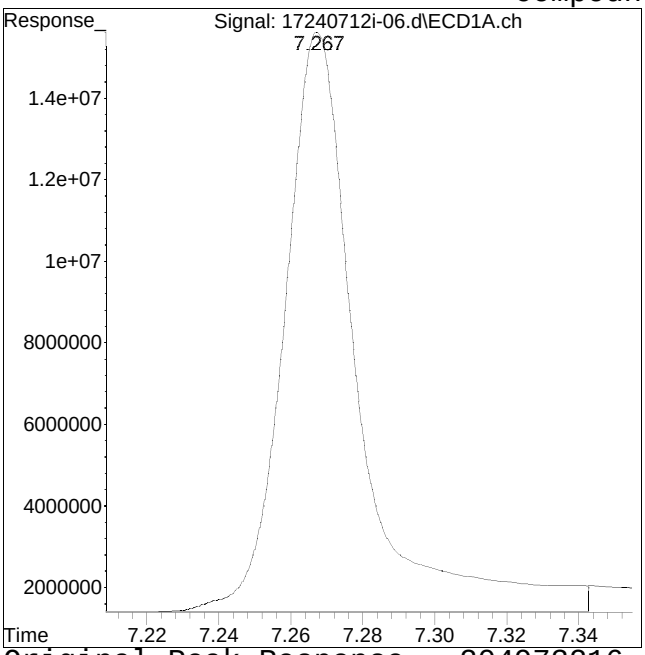


Original Peak Response = 1414787983 Manual Peak Response = 1413735959 M4
M4 = Poor automated baseline construction.

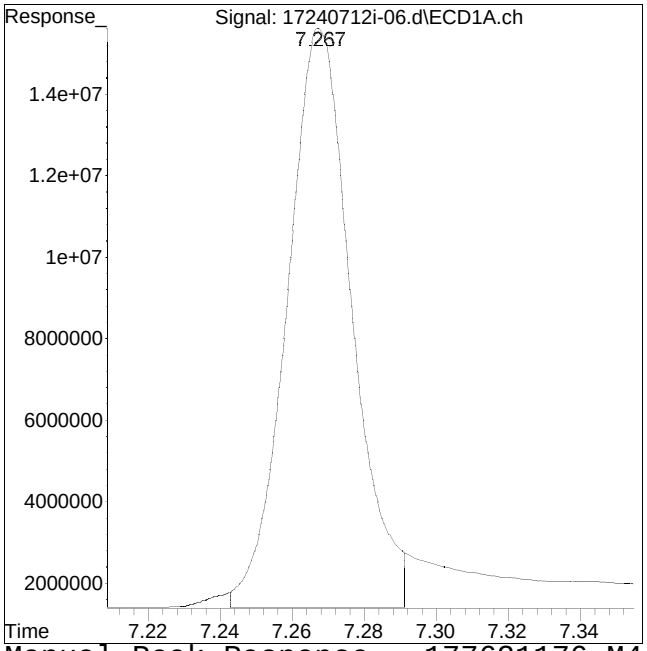
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #5: MCPP



Original Peak Response = 204973216

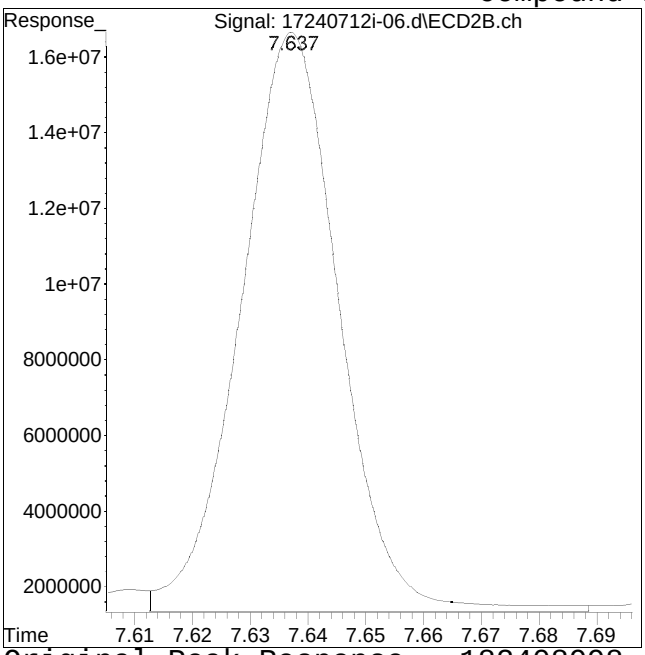


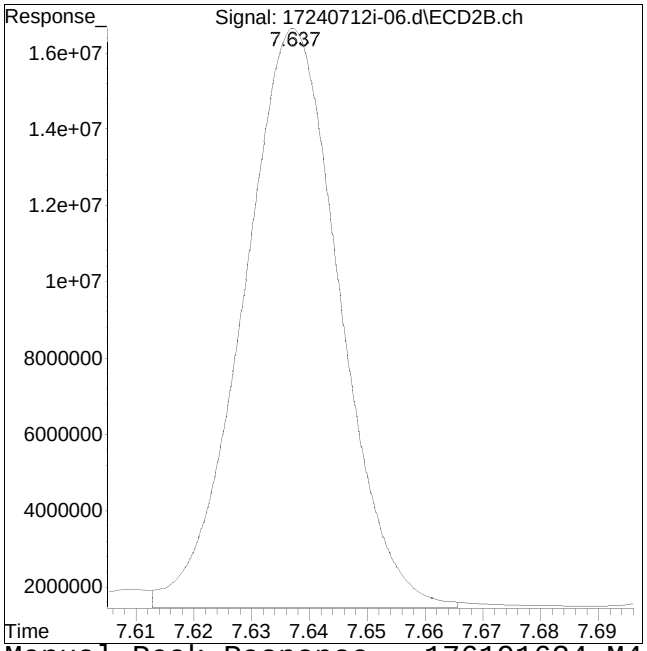
Manual Peak Response = 177621176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #18: MCPP #2



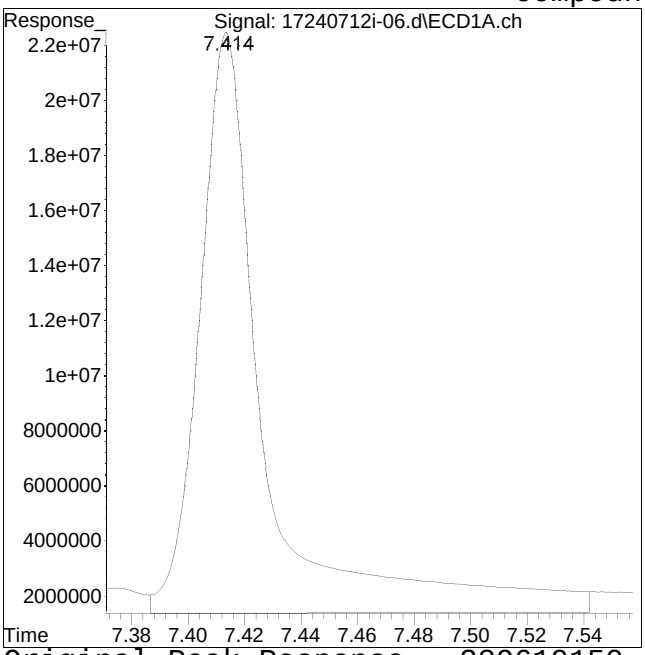


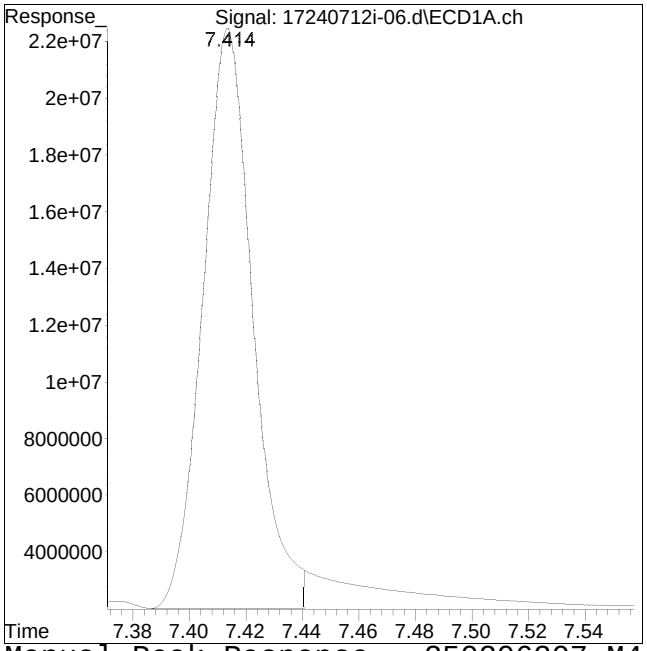
Original Peak Response = 182408998 Manual Peak Response = 176191624 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #6: MCPA



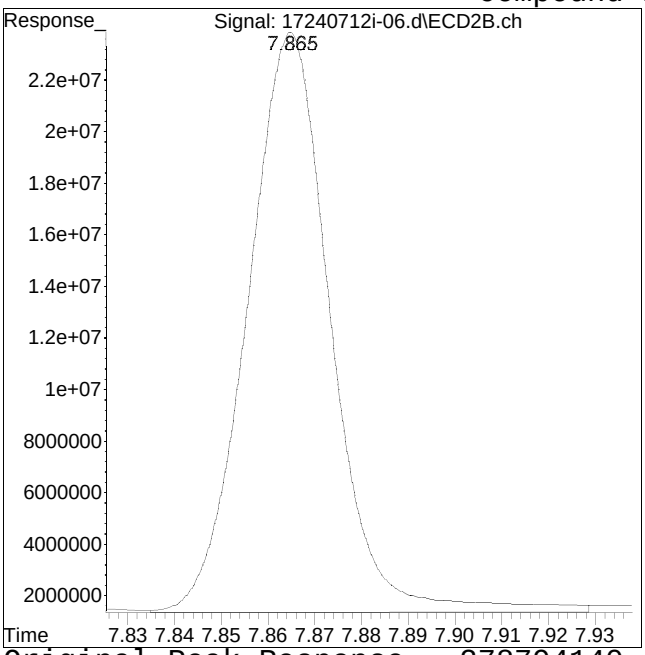


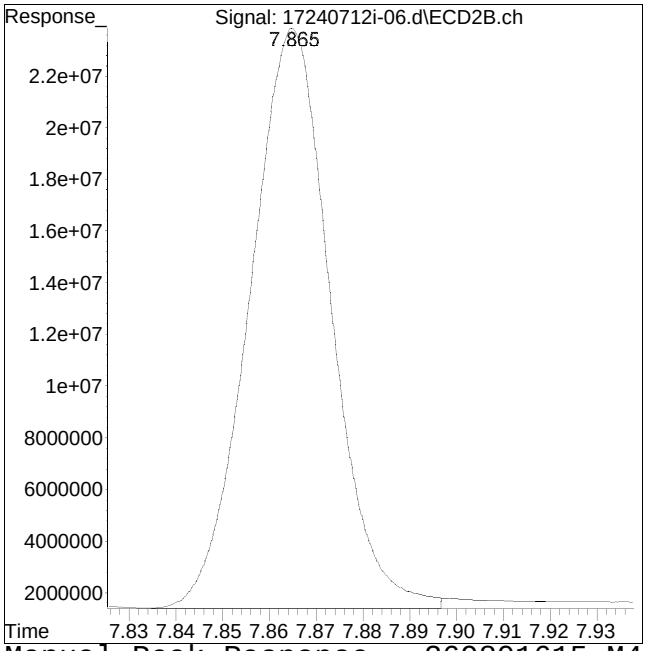
Original Peak Response = 339619150 Manual Peak Response = 250206207 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #19: MCPA #2



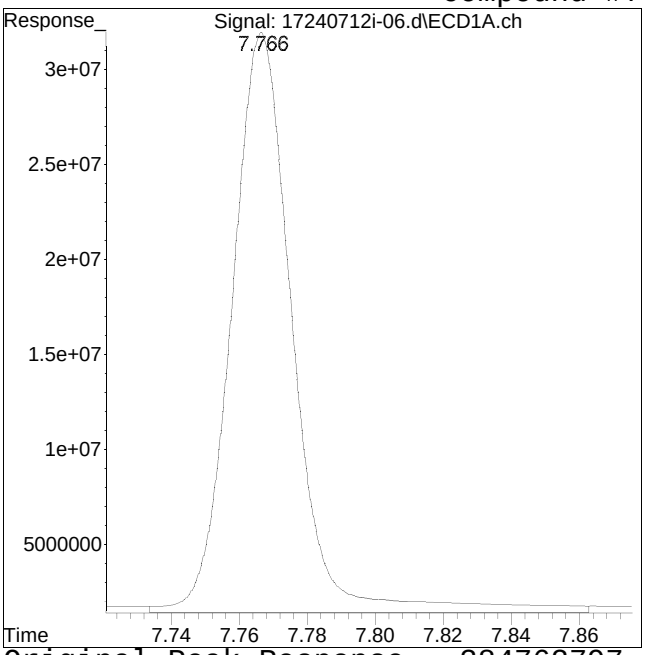


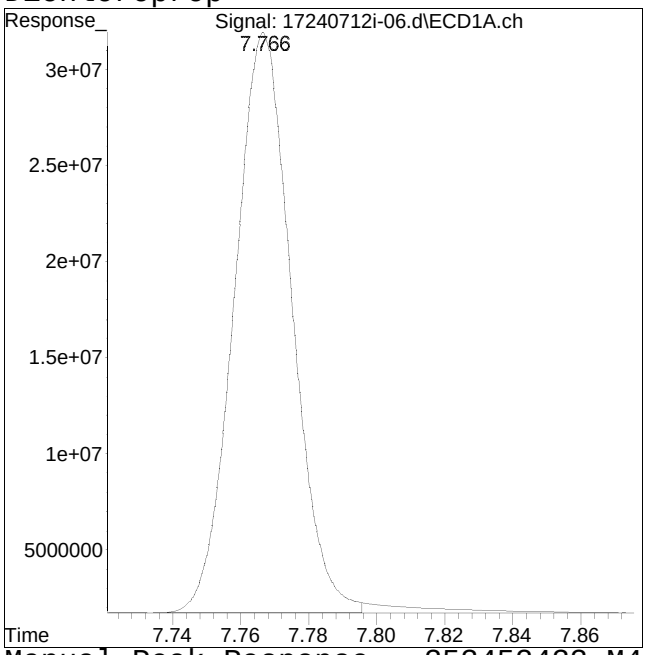
Original Peak Response = 278794140 Manual Peak Response = 269801615 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #7: Dichloroprop



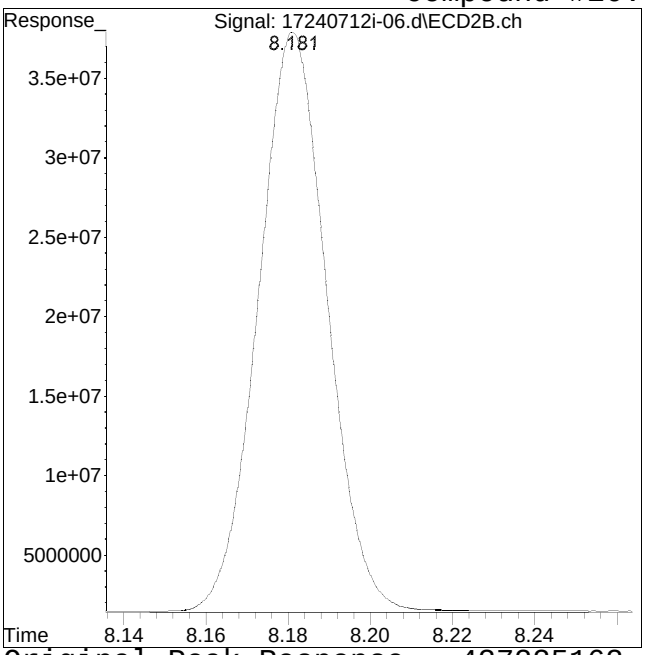


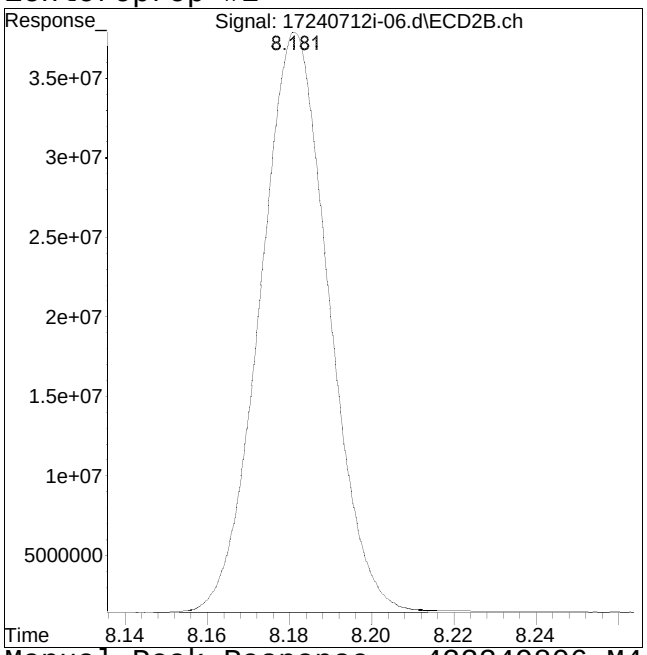
Original Peak Response = 384762797 Manual Peak Response = 353452433 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #20: Dichloroprop #2



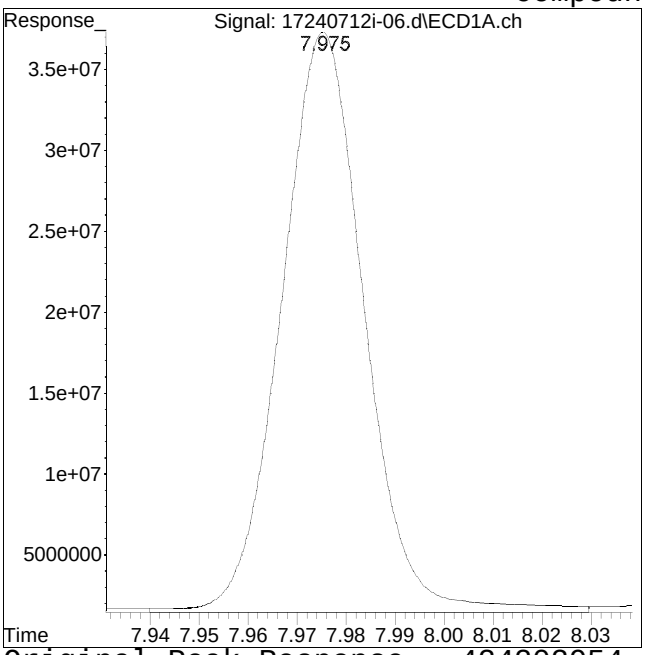


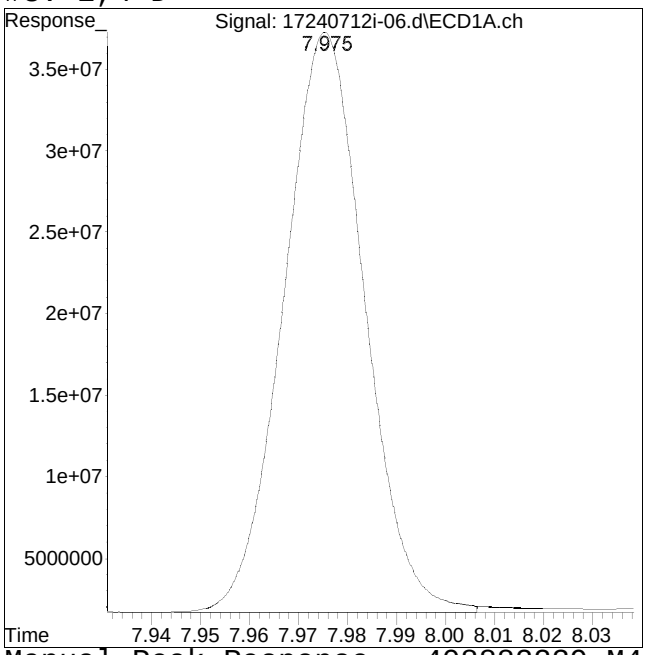
Original Peak Response = 427225162 Manual Peak Response = 422349806 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #8: 2,4-D



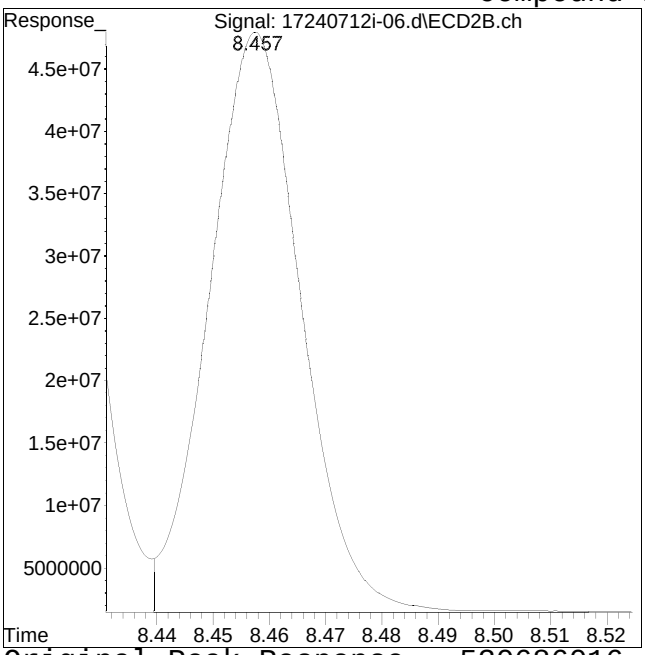


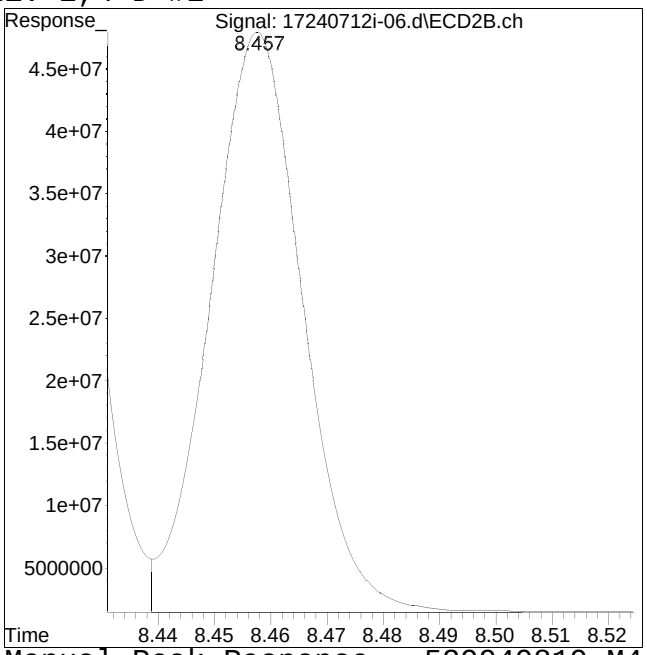
Original Peak Response = 424202954 Manual Peak Response = 408882239 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #21: 2,4-D #2



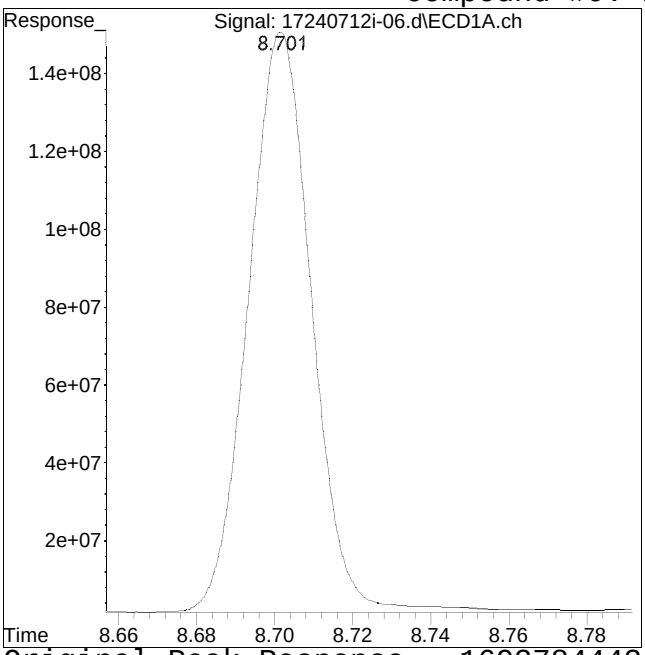


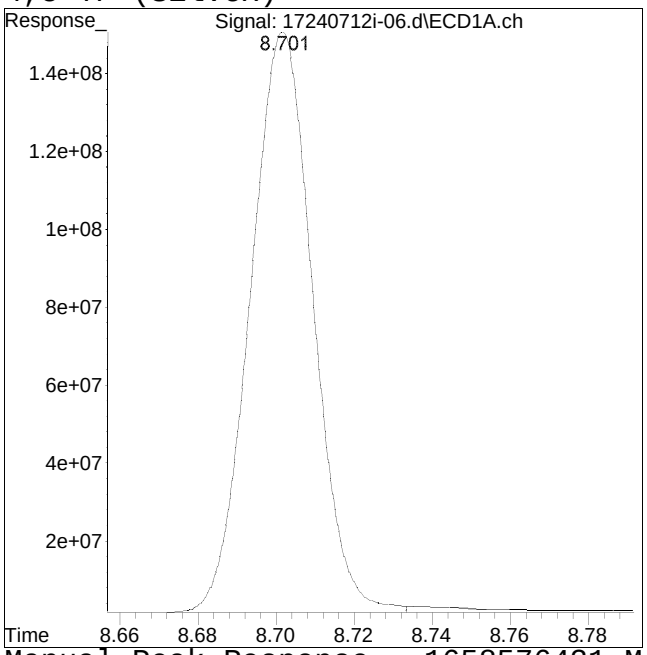
Original Peak Response = 530686016 Manual Peak Response = 529949819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #9: 2,4,5-TP (Silvex)



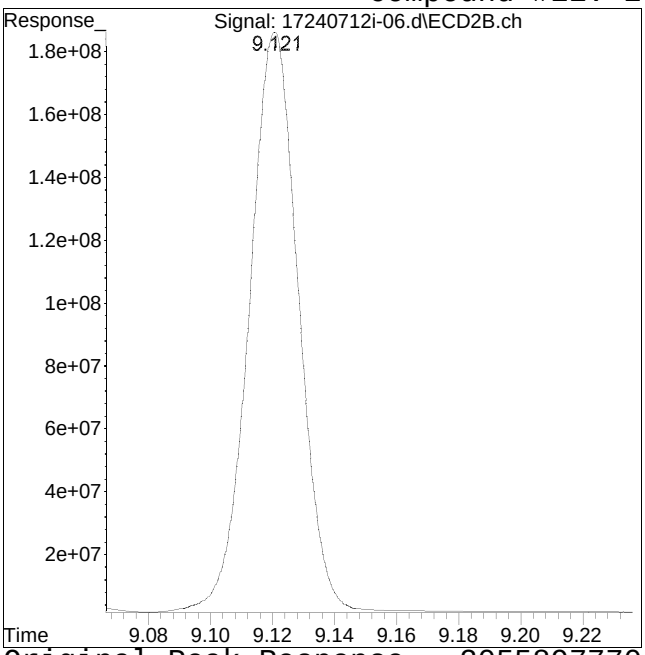


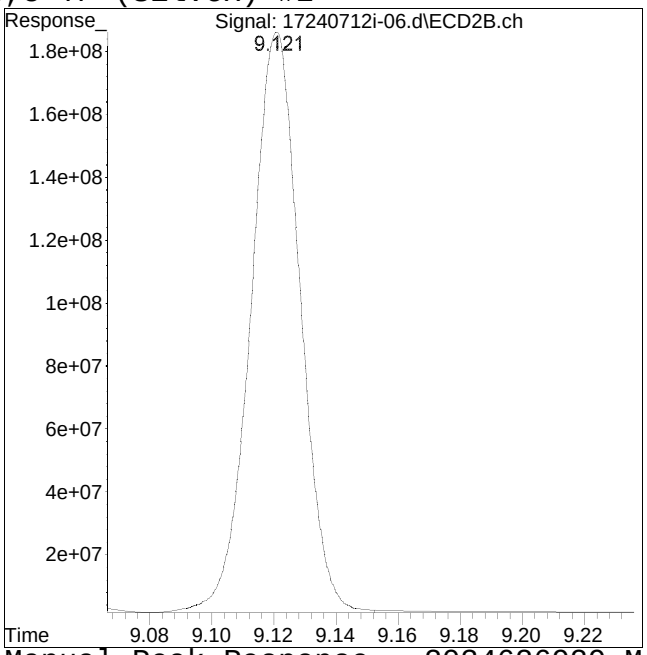
Original Peak Response = 1693784443 Manual Peak Response = 1658576431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #22: 2,4,5-TP (Silvex) #2



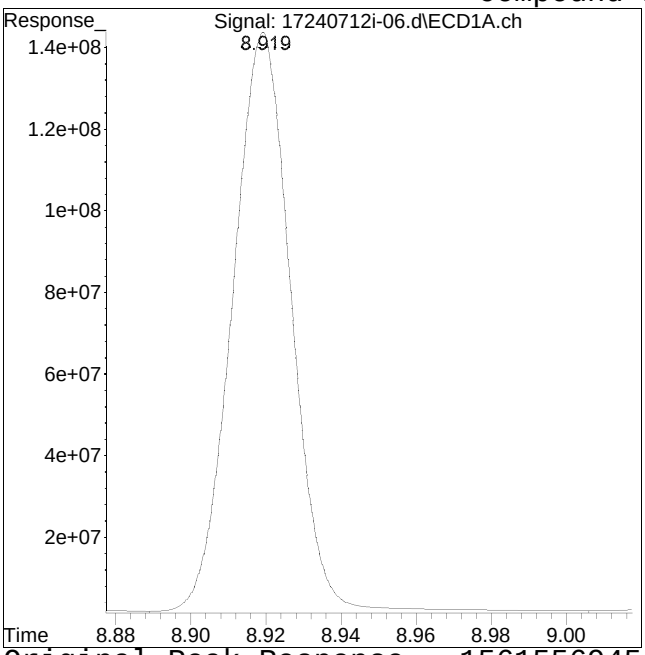


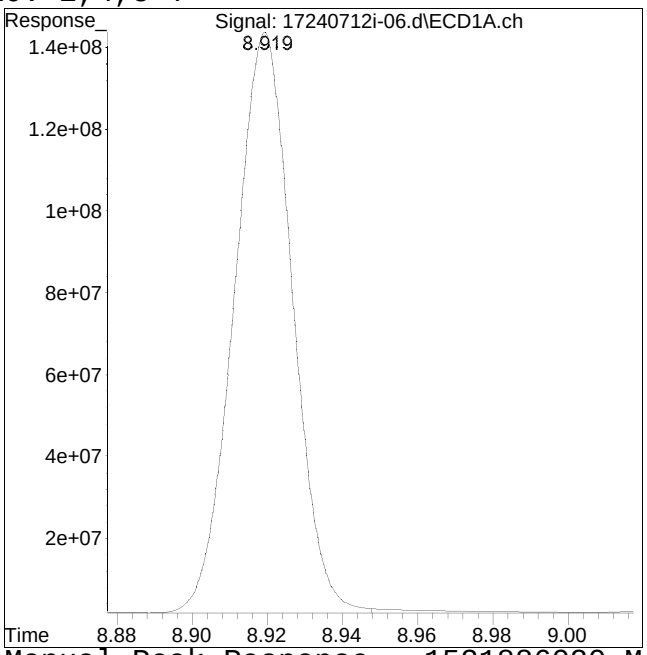
Original Peak Response = 2055897770 Manual Peak Response = 2034626929 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #10: 2,4,5-T



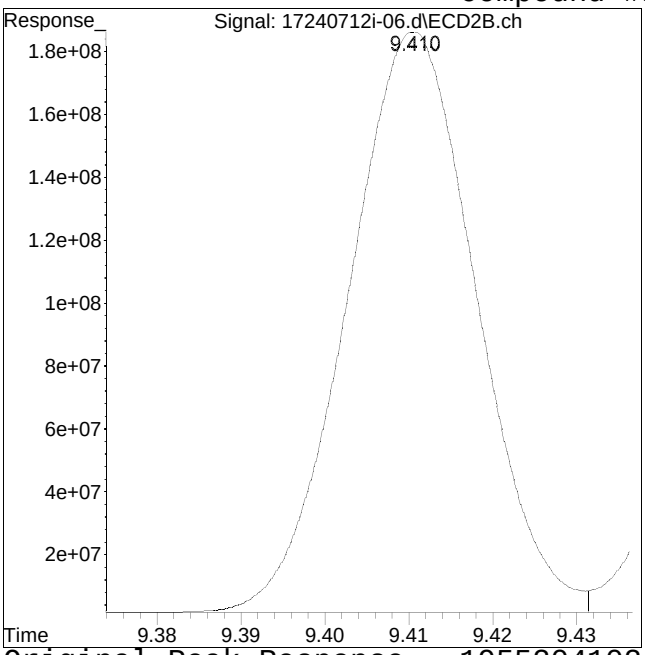


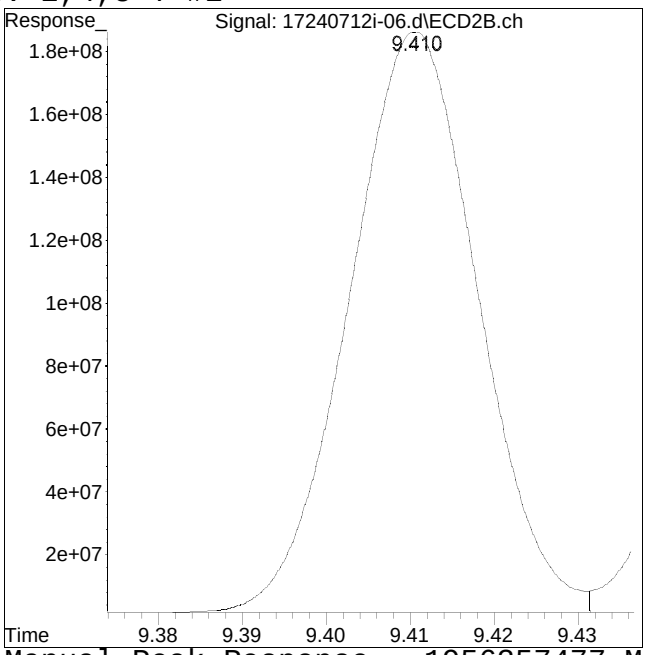
Original Peak Response = 1561556945 Manual Peak Response = 1521886020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #23: 2,4,5-T #2



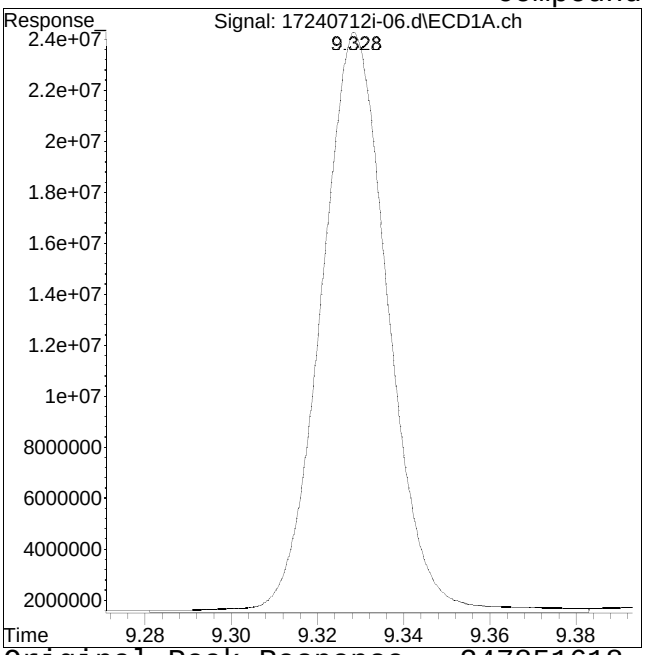


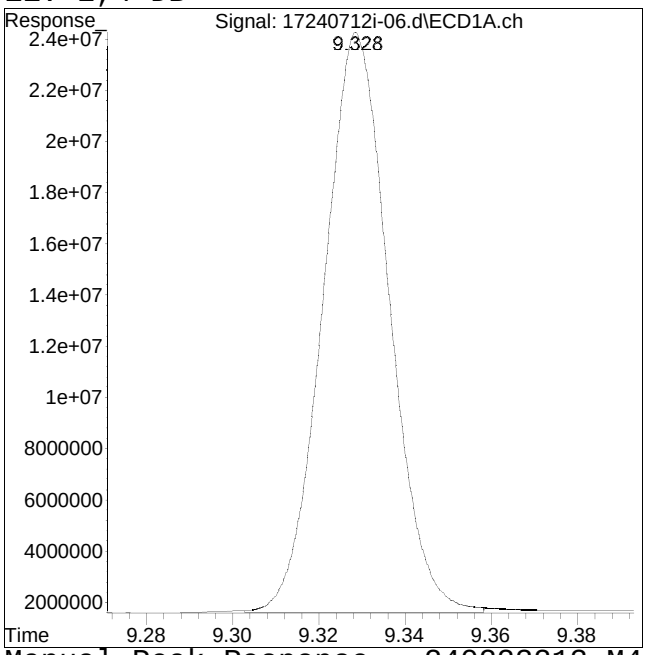
Original Peak Response = 1955204102 Manual Peak Response = 1956357477 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #11: 2,4-DB



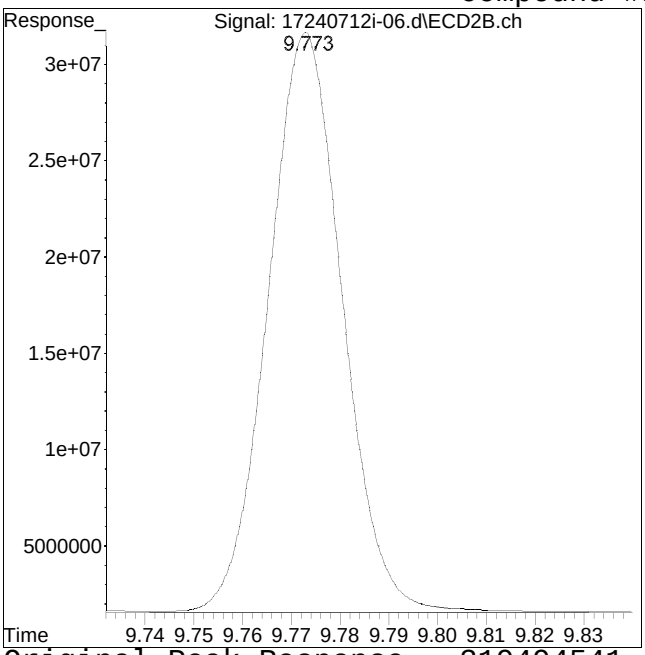


Original Peak Response = 247851618 Manual Peak Response = 240223213 M4
M4 = Poor automated baseline construction.

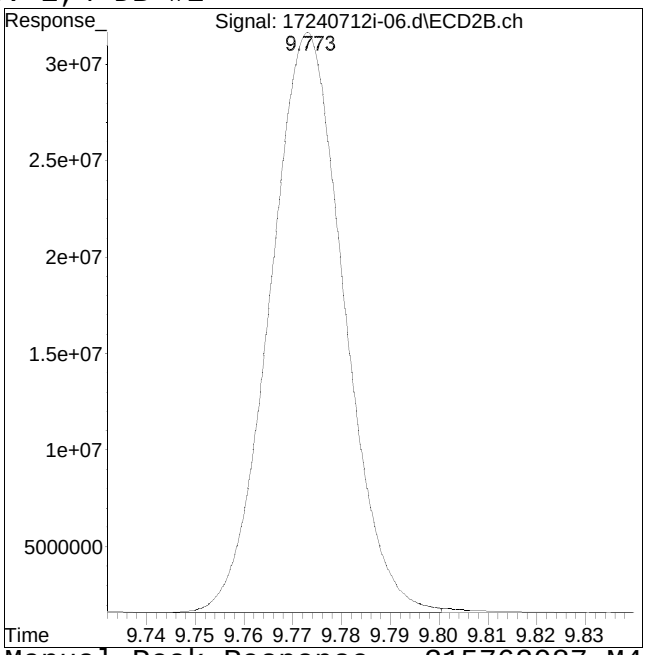
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #24: 2,4-DB #2



Original Peak Response = 319494541

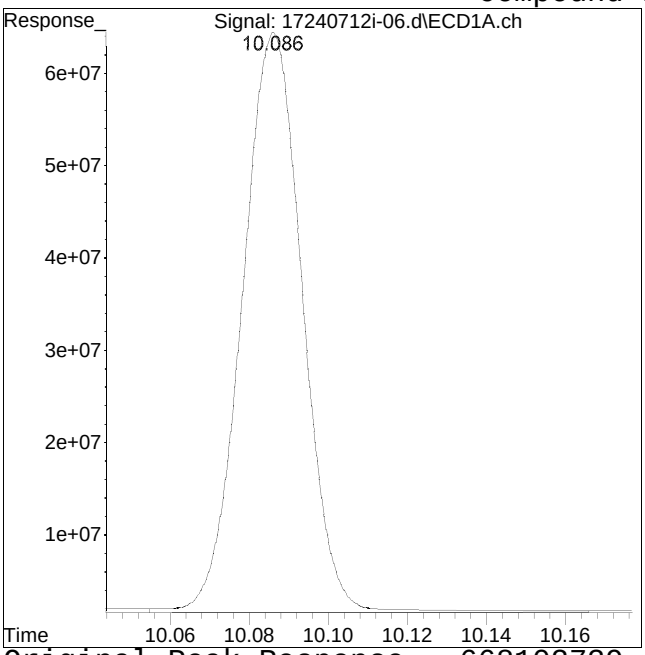


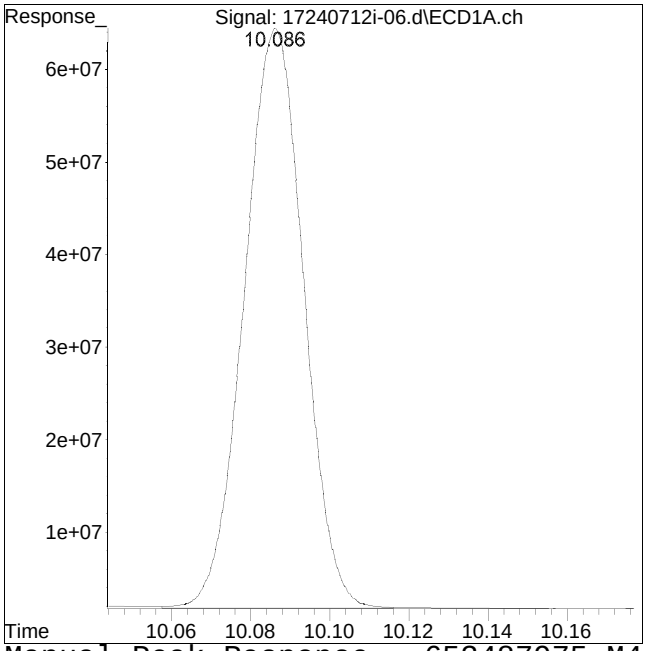
Manual Peak Response = 315762087 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #12: Dinoseb



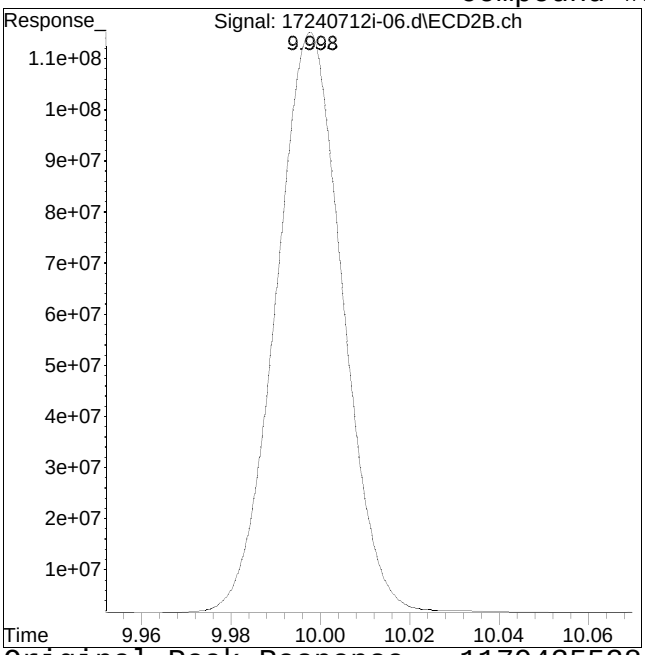


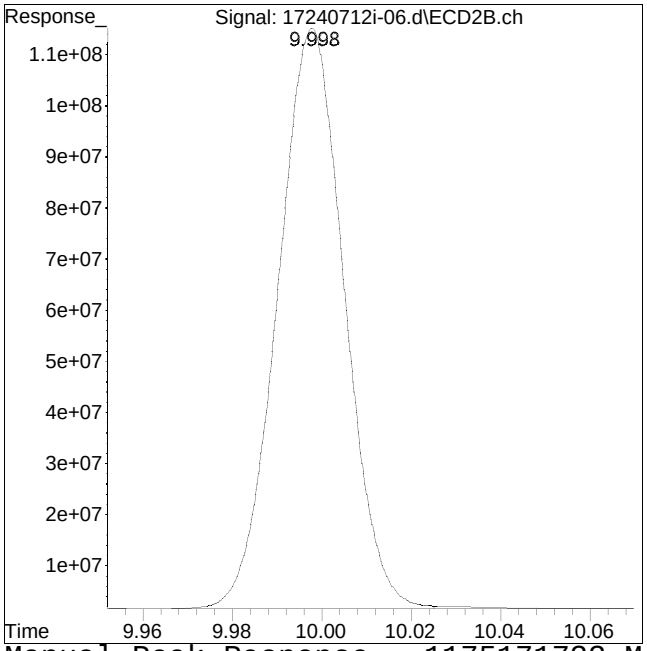
Original Peak Response = 668102739 Manual Peak Response = 653487975 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #25: Dinoseb #2





Original Peak Response = 1179435528 Manual Peak Response = 1175171733 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	634.2E6	637.7E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	668.5E6	809.4E6	1.766M4	1.727M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	353.20%#	345.40%#
		Target Compounds						
2)	t	Dalapon	1.897	1.921	586.8E6	804.7E6	1.718	1.719
4)	t	Dicamba	7.061	7.522	2441.8E6	2591.5E6	1.844M4	1.810M4
5)	t	MCPP	7.270	7.639	320.2E6	322.6E6	171.813M4	179.513M4
6)	t	MCPA	7.416	7.867	451.2E6	482.2E6	159.396M4	166.994M4
7)	t	Dichloroprop	7.767	8.181	668.7E6	758.4E6	1.849M4	1.742M4
8)	t	2,4-D	7.975	8.457	779.3E6	966.0E6	1.864M4	1.803M4
9)	t	2,4,5-TP (Si	8.702	9.121	3164.3E6	3739.8E6	1.925M4	1.851M4
10)	t	2,4,5-T	8.920	9.411	2946.8E6	3598.7E6	1.953M4	1.865M4
11)	t	2,4-DB	9.329	9.773	454.9E6	580.4E6	1.901M4	1.865M4
12)	t	Dinoseb	10.086	9.998	1199.8E6	2161.8E6	1.809M4	1.861M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

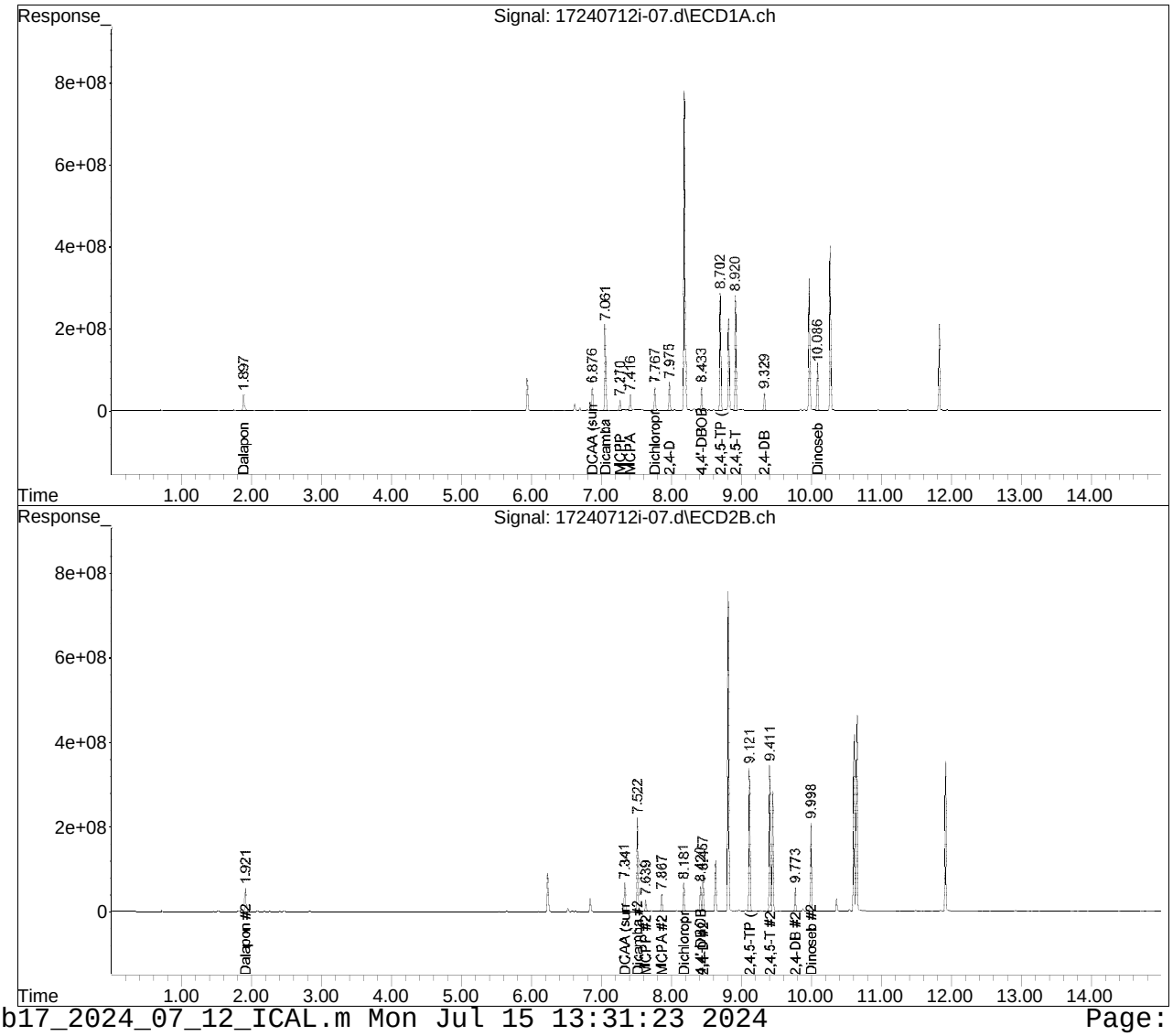
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

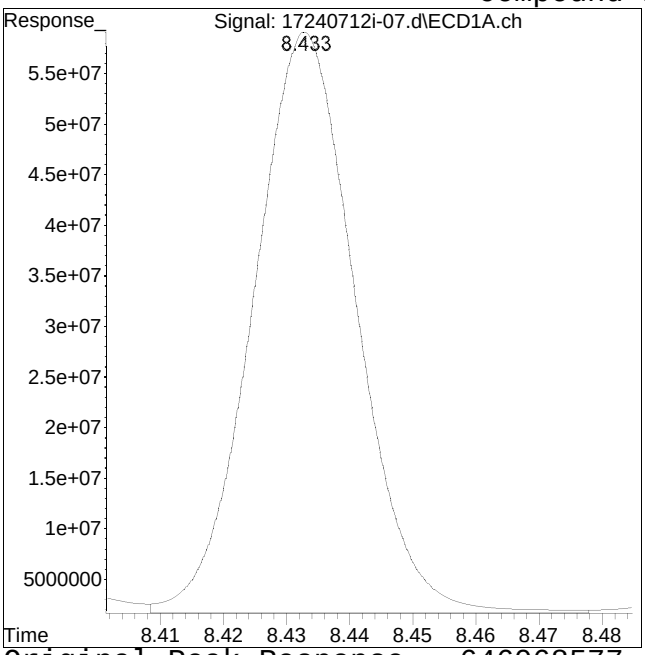
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

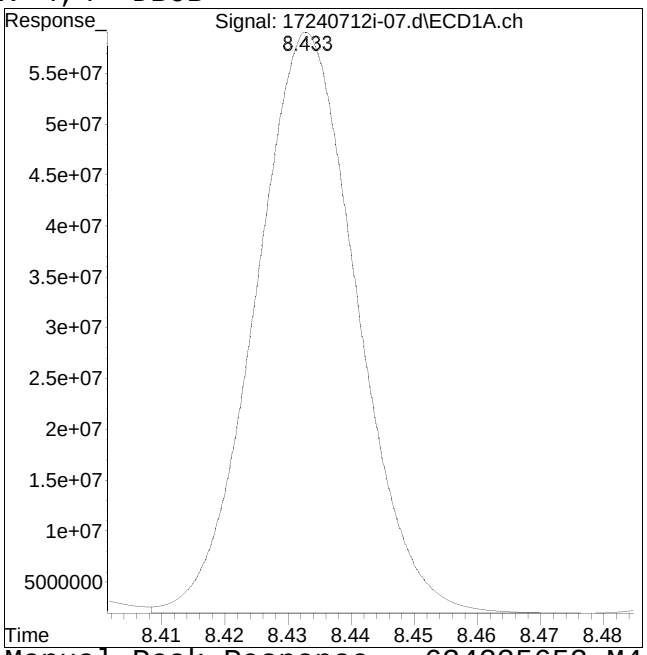


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #1: 4,4'-DBOB



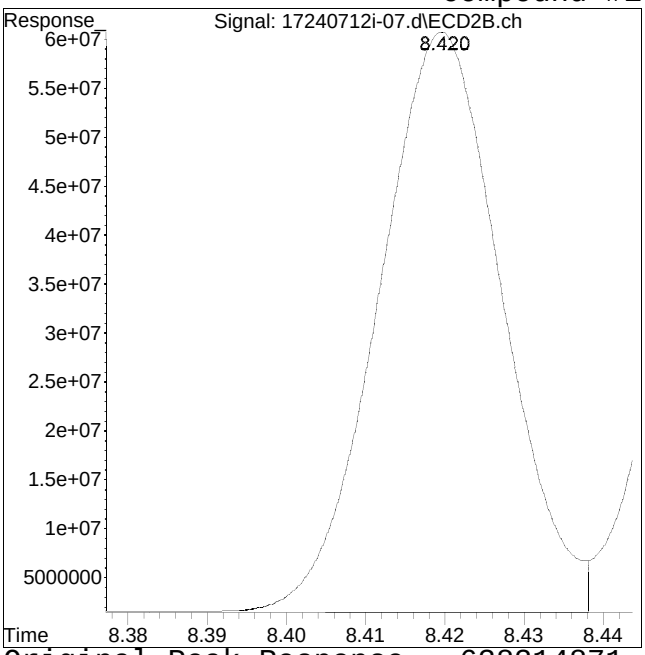


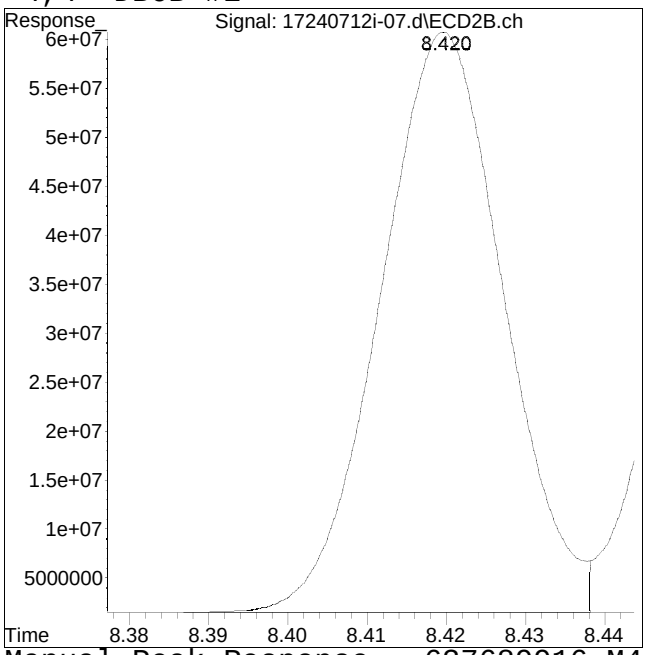
Original Peak Response = 646068577 Manual Peak Response = 634235652 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #14: 4,4'-DBOB #2



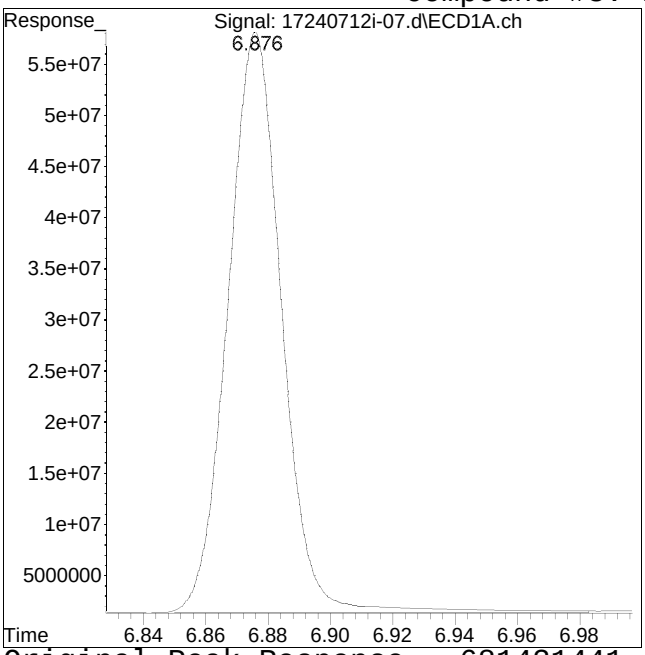


Original Peak Response = 638314871 Manual Peak Response = 637689916 M4
M4 = Poor automated baseline construction.

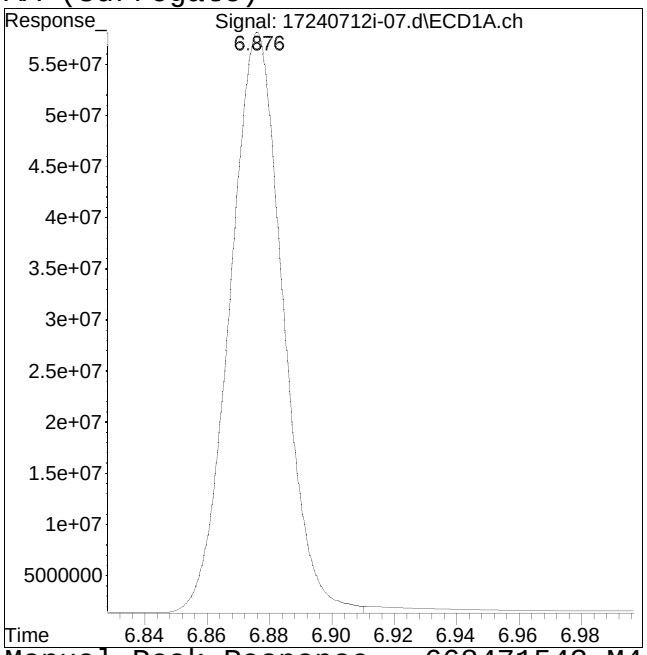
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #3: DCAA (surrogate)



Original Peak Response = 681431441



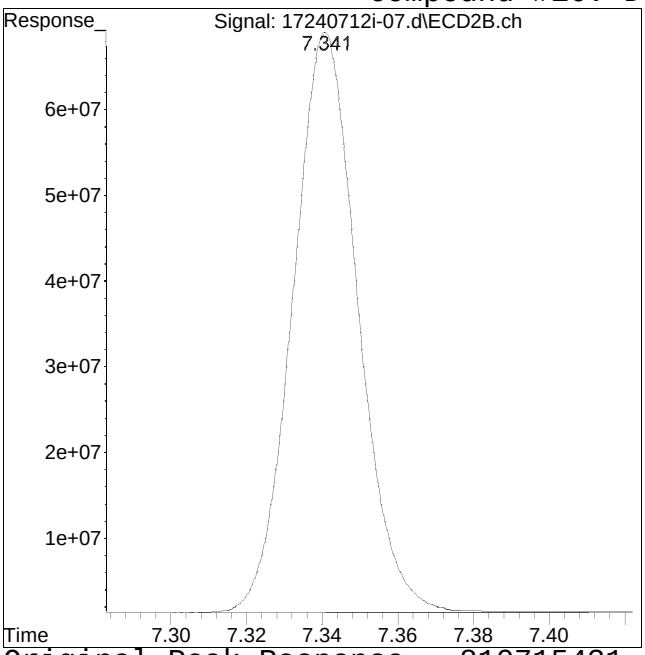
Manual Peak Response = 668471543 M4

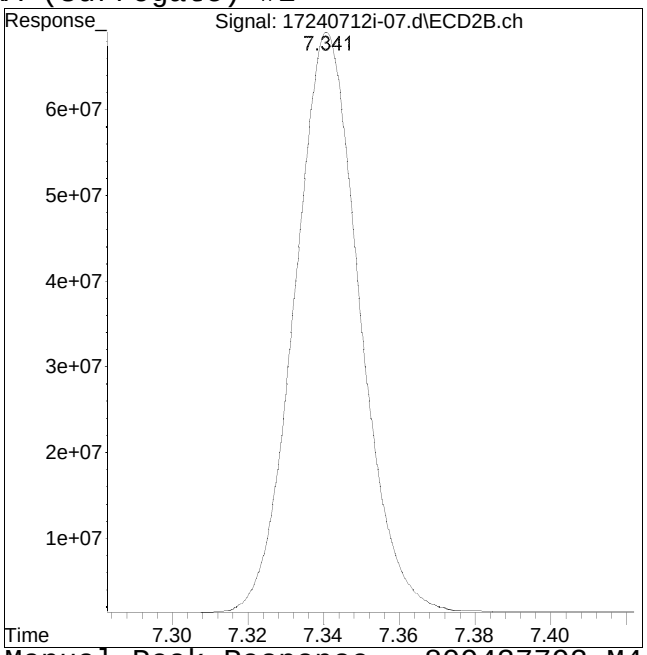
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #16: DCAA (surrogate) #2



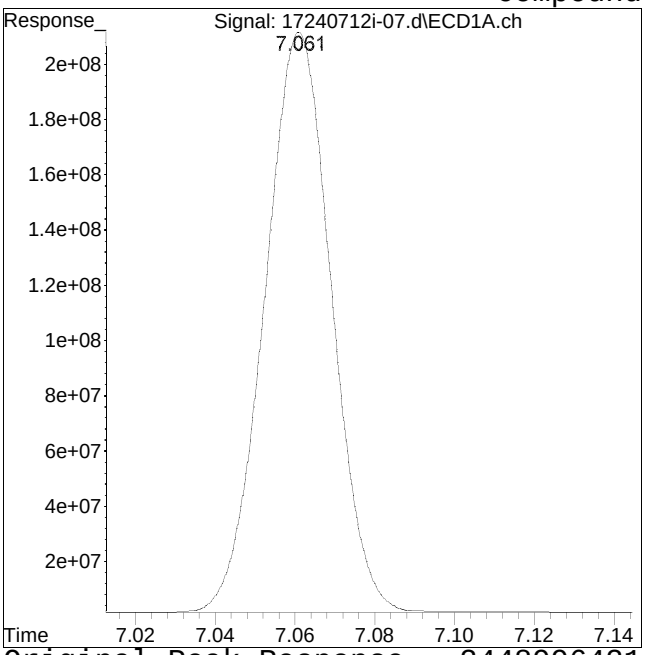


Original Peak Response = 810715431 Manual Peak Response = 809437792 M4
M4 = Poor automated baseline construction.

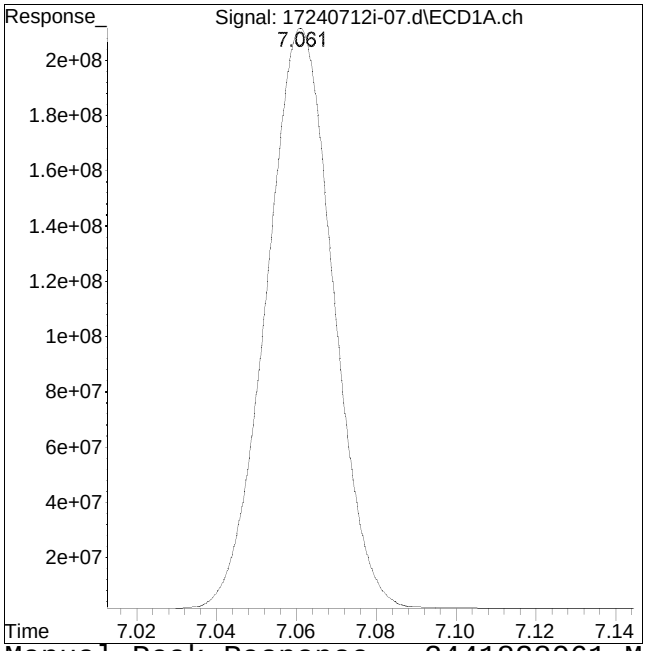
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #4: Dicamba



Original Peak Response = 2448996421



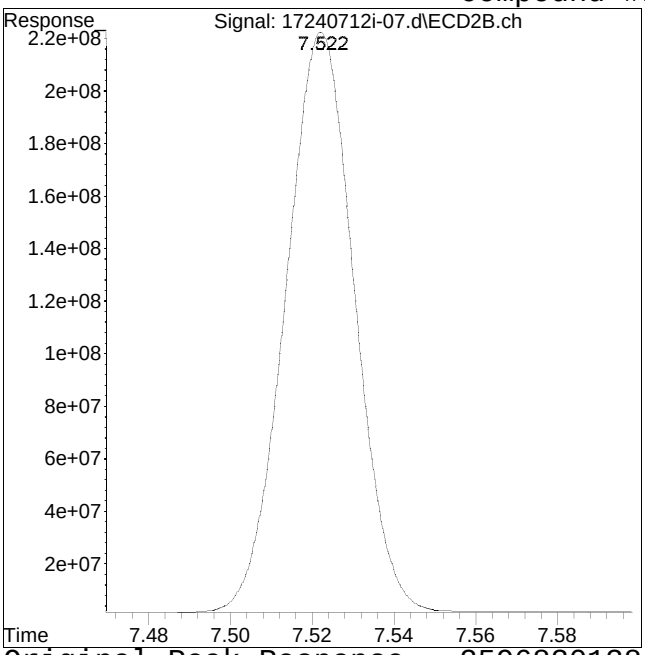
Manual Peak Response = 2441838061 M4

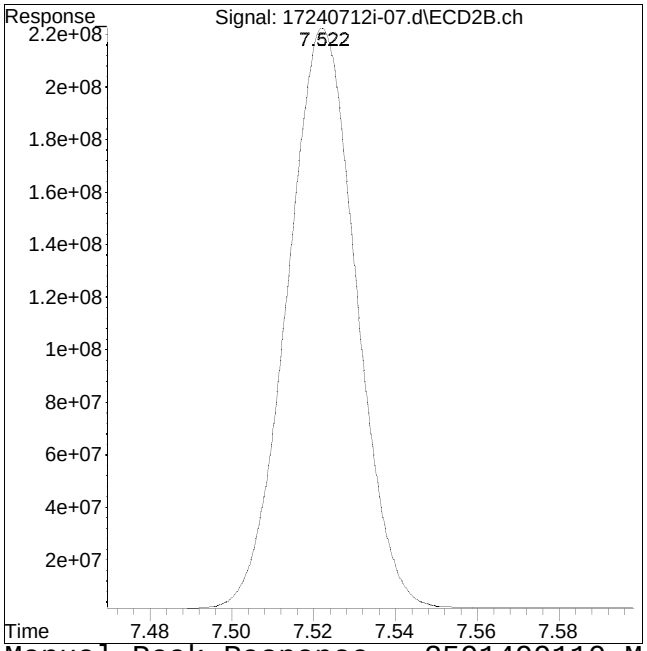
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #17: Dicamba #2



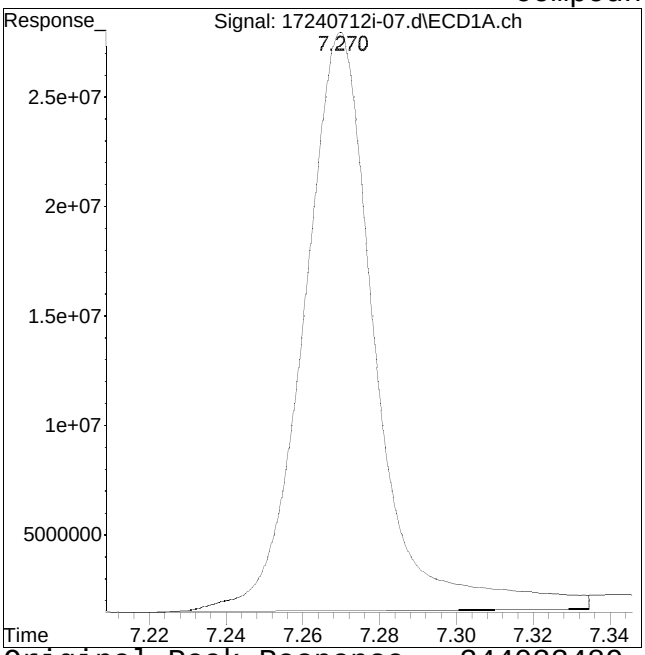


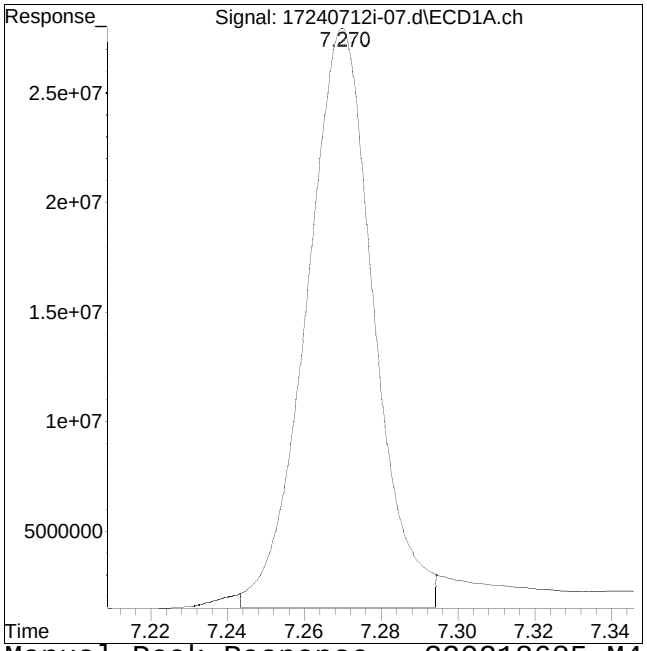
Original Peak Response = 2596830138 Manual Peak Response = 2591499110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #5: MCPP



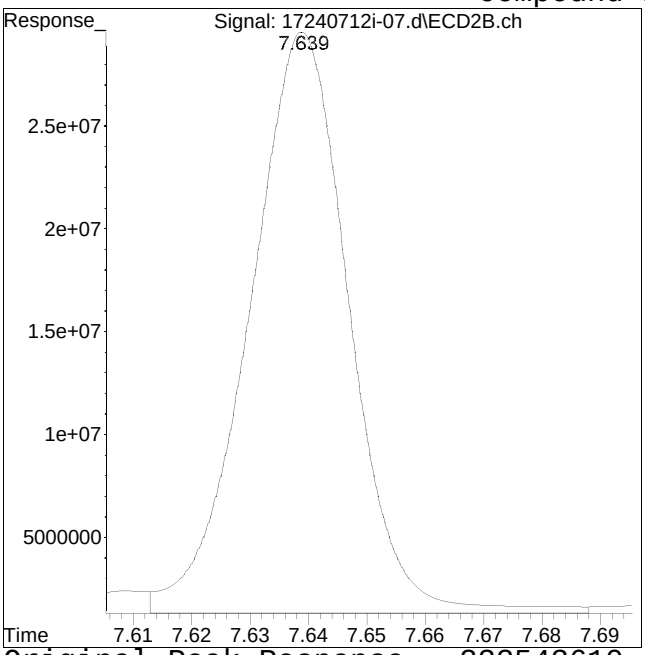


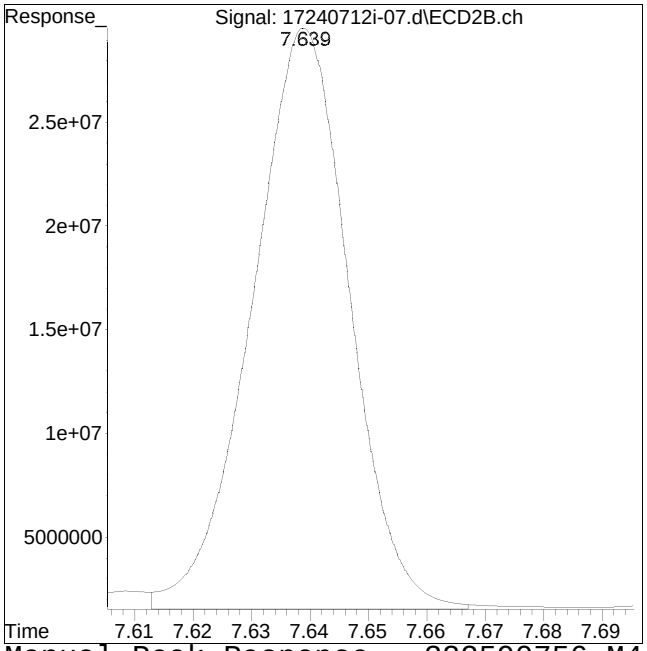
Original Peak Response = 344033489 Manual Peak Response = 320218685 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #18: MCPP #2



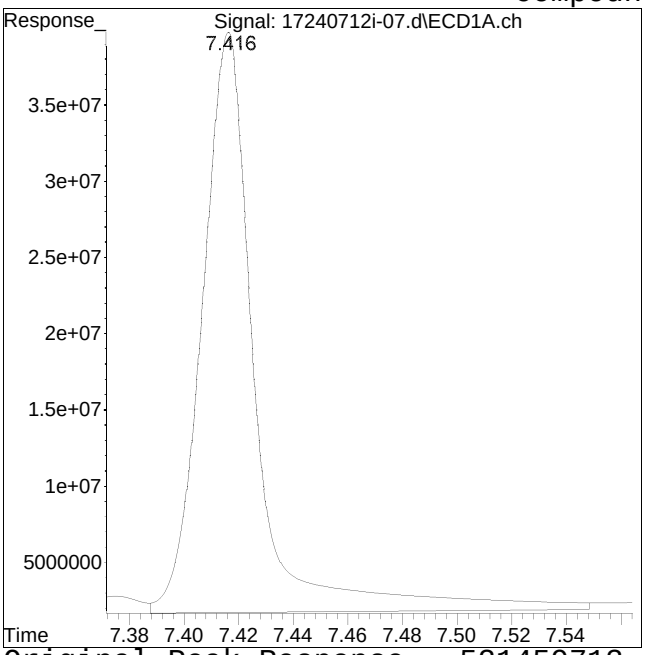


Original Peak Response = 333543610 Manual Peak Response = 322590756 M4
M4 = Poor automated baseline construction.

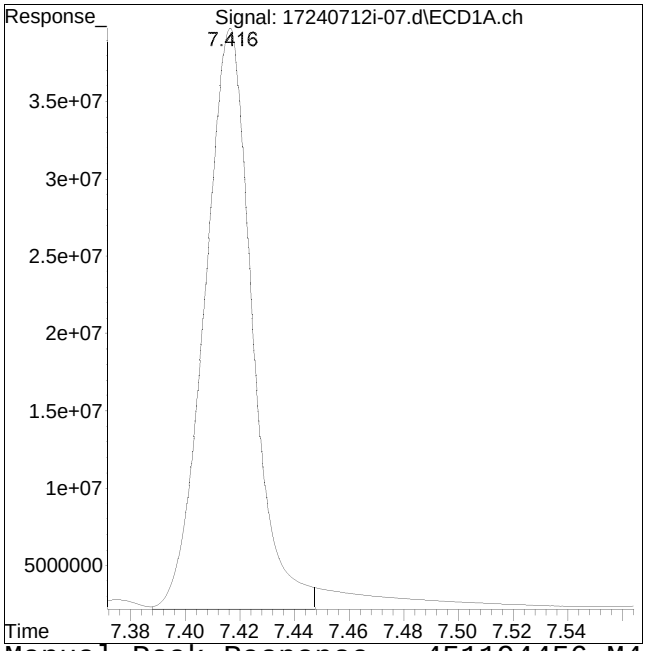
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #6: MCPA



Original Peak Response = 521459713



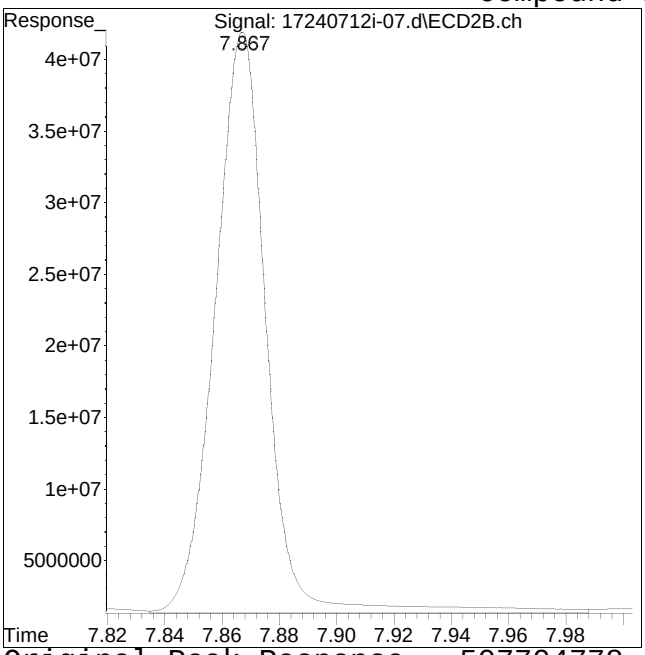
Manual Peak Response = 451194456 M4

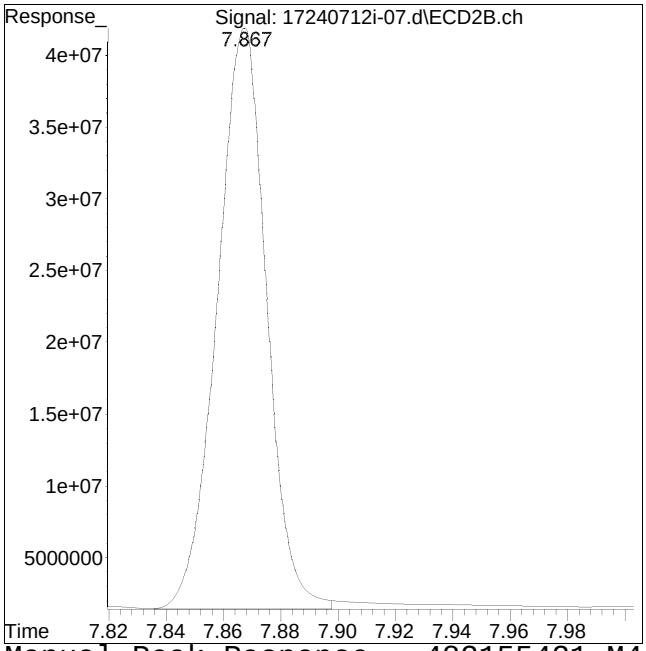
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #19: MCPA #2



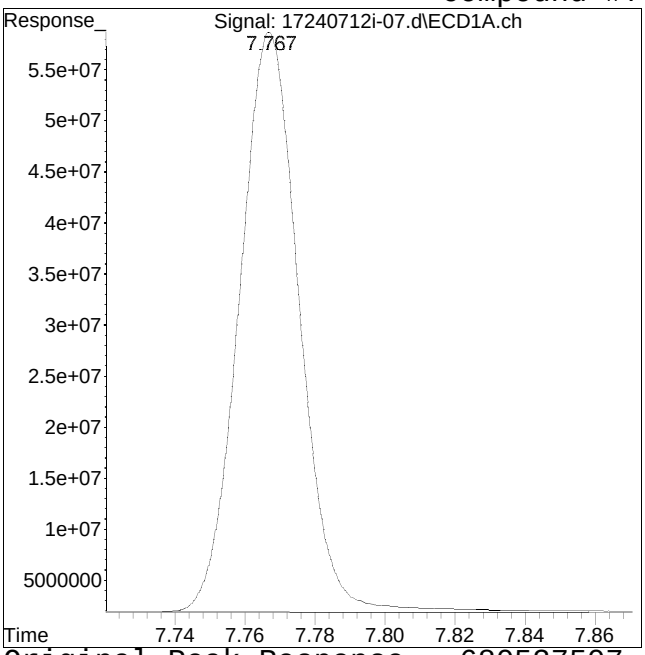


Original Peak Response = 507704778 Manual Peak Response = 482155421 M4
M4 = Poor automated baseline construction.

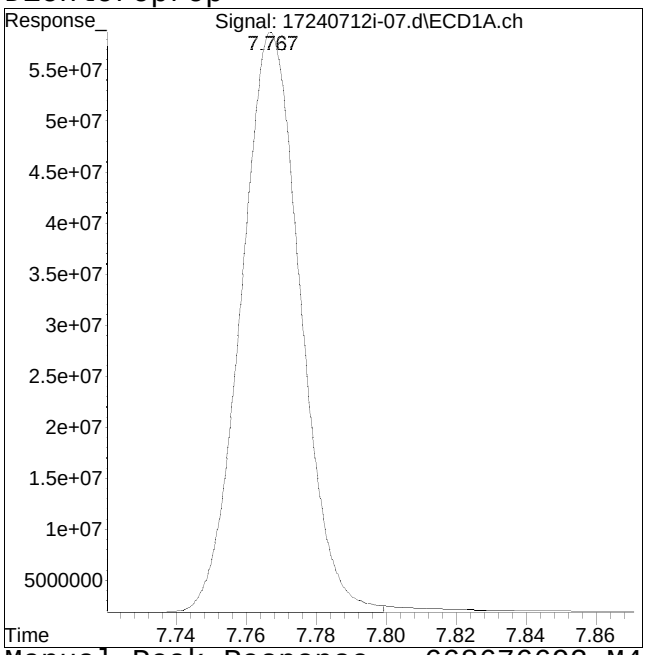
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #7: Dichloroprop



Original Peak Response = 680537507



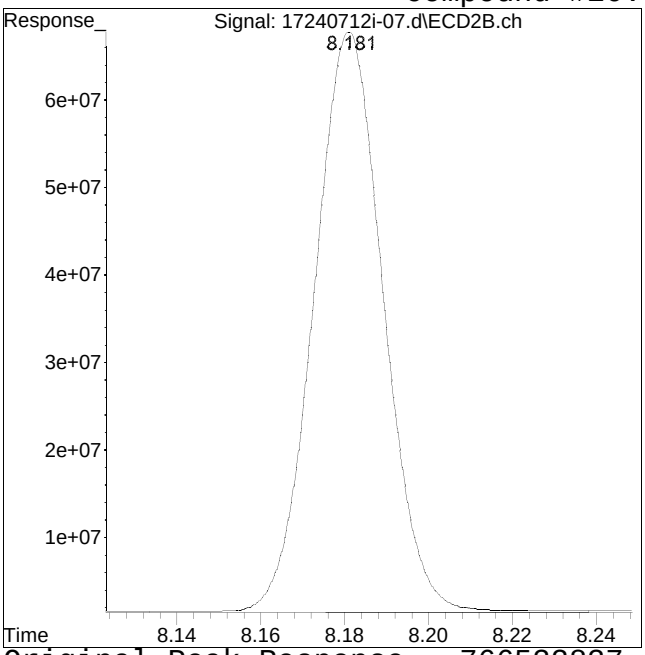
Manual Peak Response = 668676692 M4

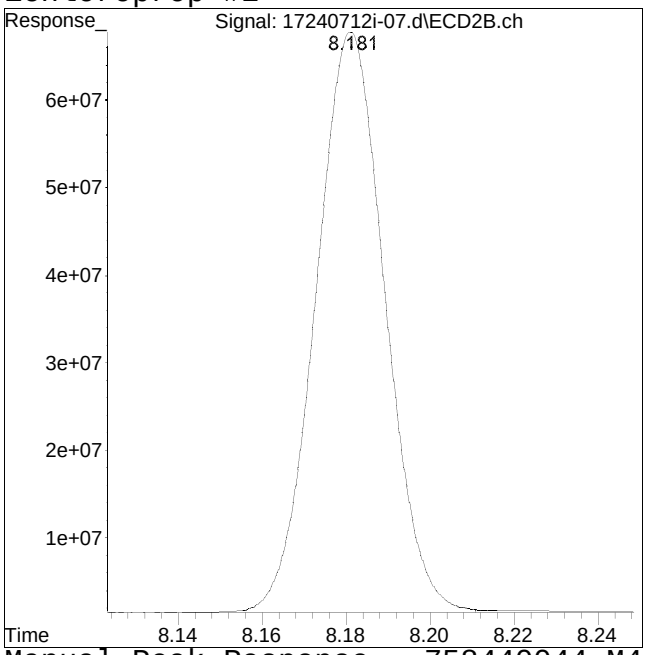
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #20: Dichloroprop #2



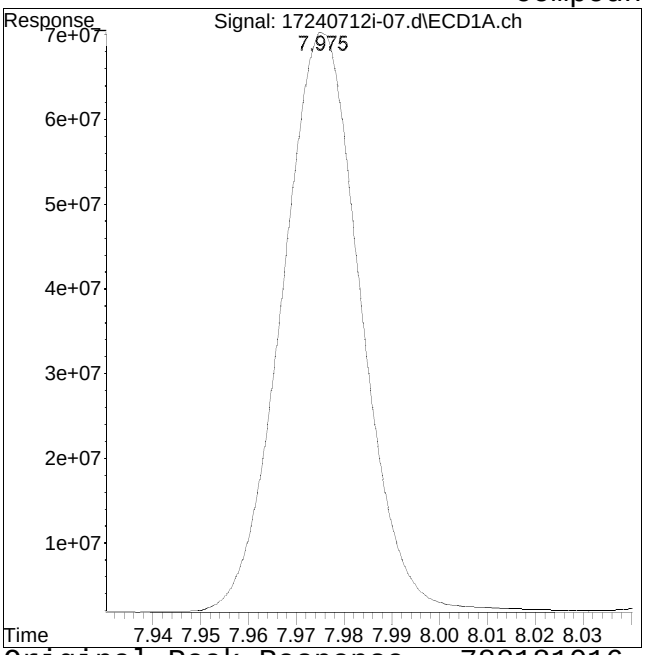


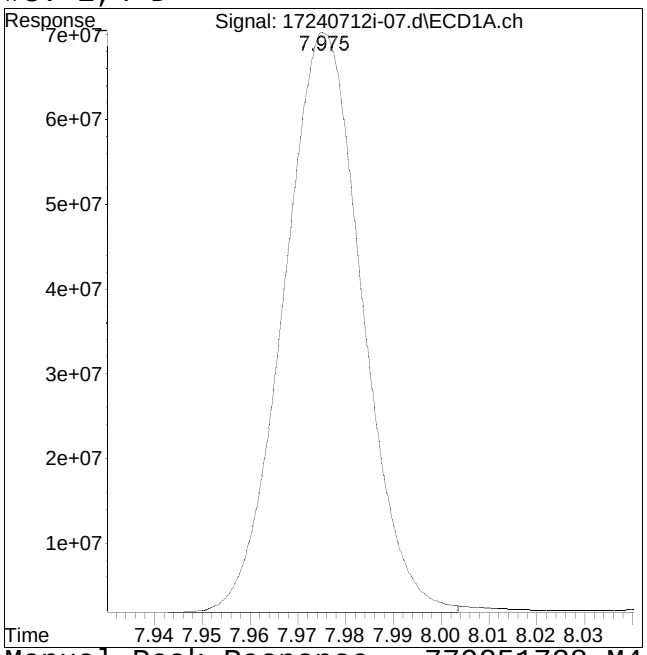
Original Peak Response = 766532837 Manual Peak Response = 758440044 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #8: 2,4-D



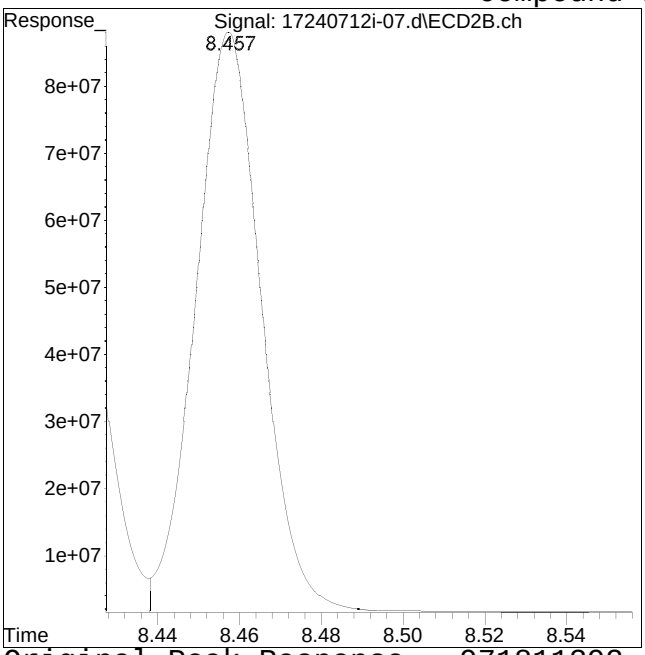


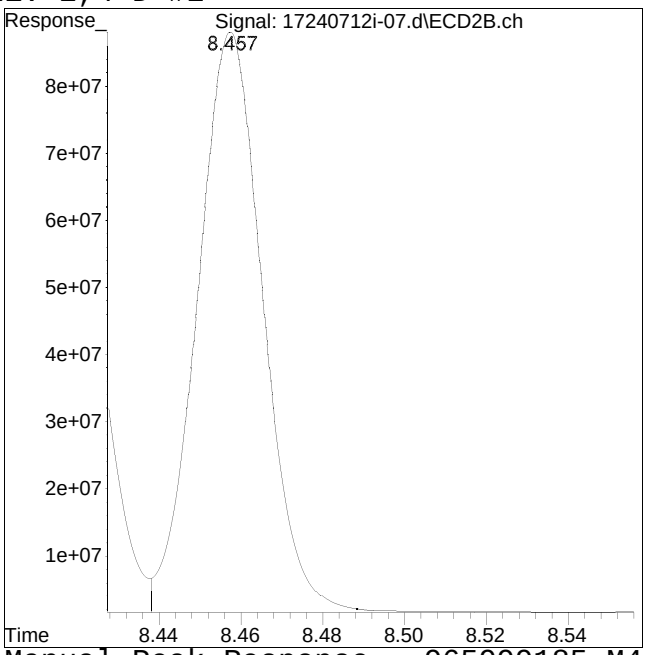
Original Peak Response = 788181016 Manual Peak Response = 779251728 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #21: 2,4-D #2



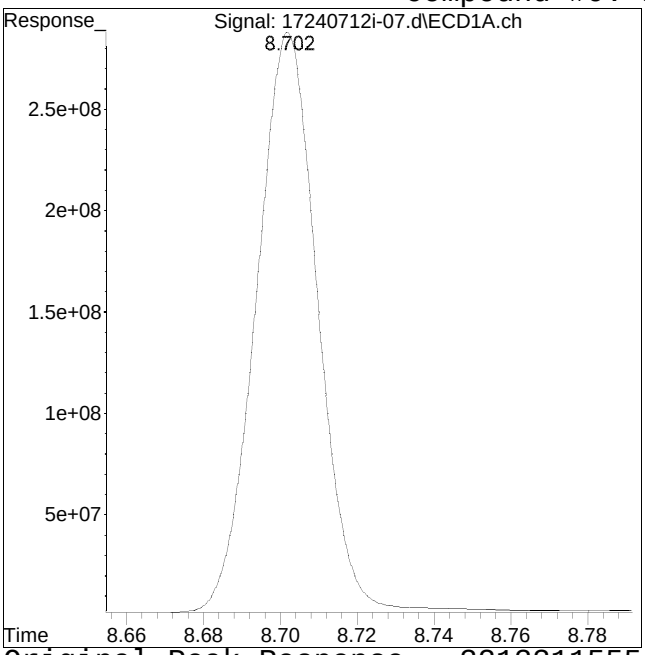


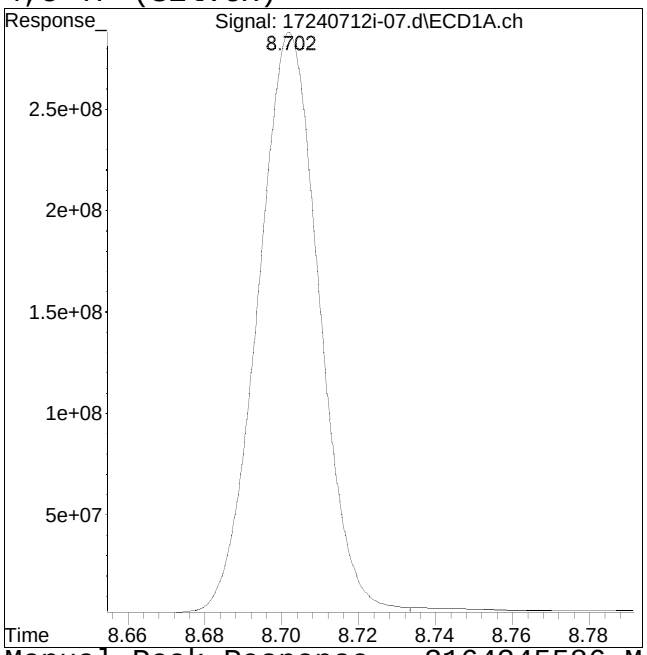
Original Peak Response = 971811392 Manual Peak Response = 965999185 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #9: 2,4,5-TP (Silvex)



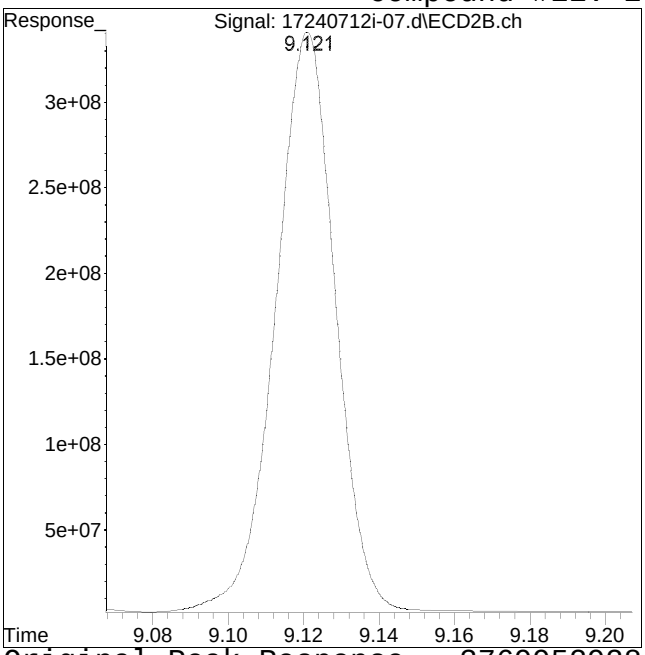


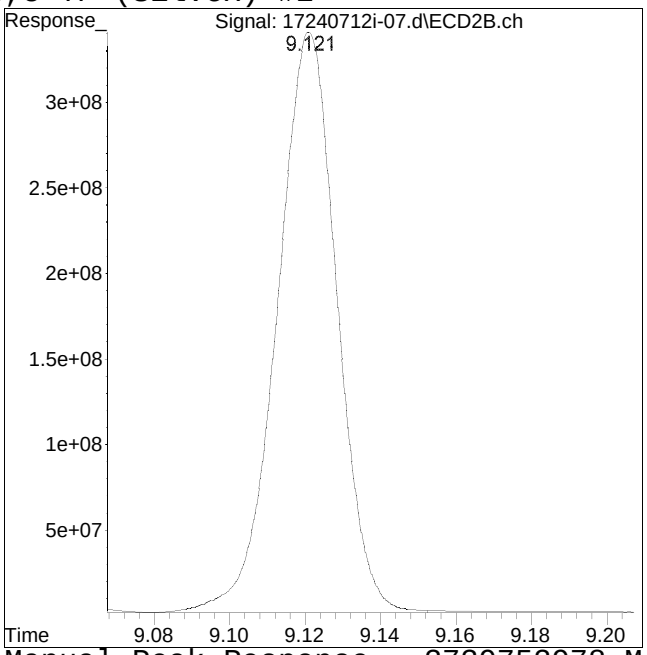
Original Peak Response = 3213311555 Manual Peak Response = 3164345586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #22: 2,4,5-TP (Silvex) #2



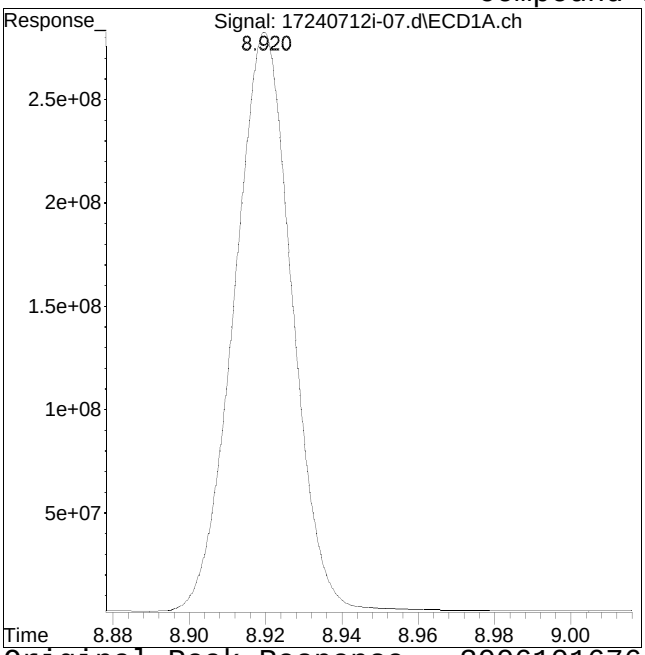


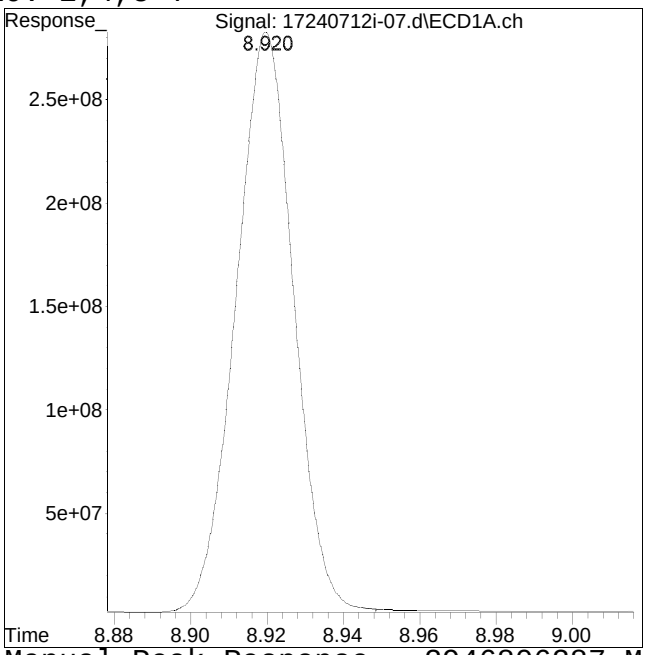
Original Peak Response = 3769952928 Manual Peak Response = 3739753978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #10: 2,4,5-T



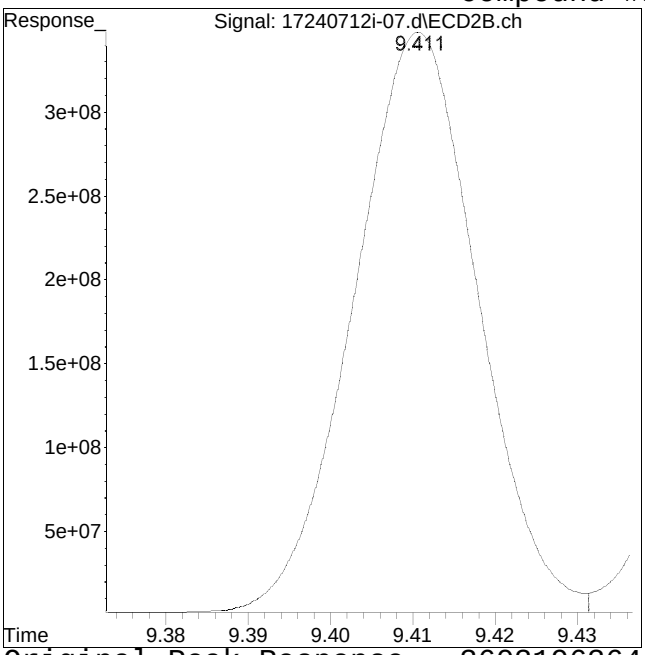


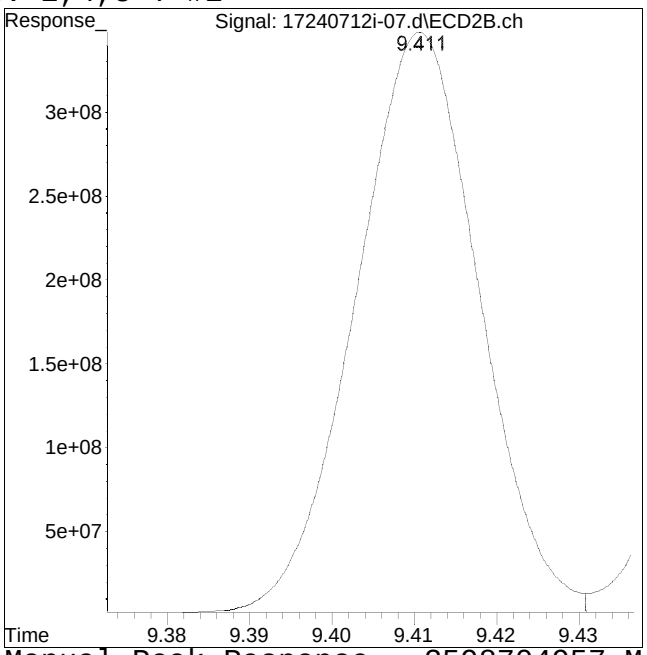
Original Peak Response = 3006101676 Manual Peak Response = 2946806287 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #23: 2,4,5-T #2



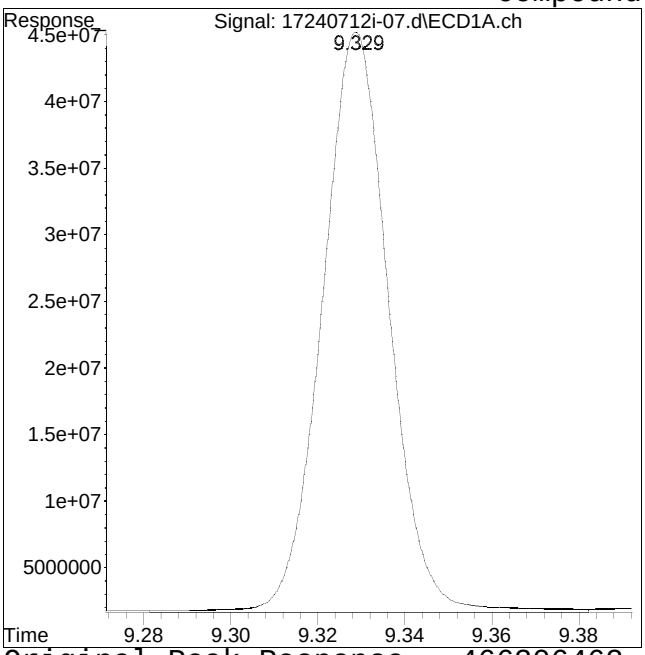


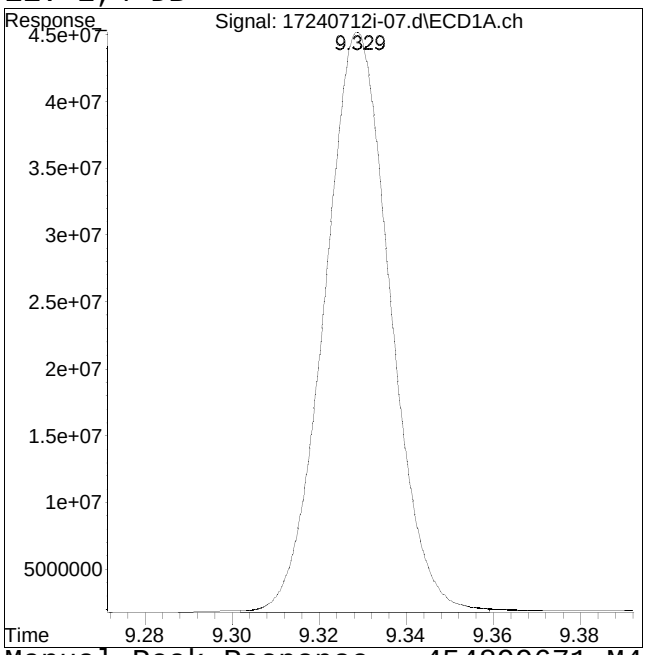
Original Peak Response = 3603196364 Manual Peak Response = 3598704957 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #11: 2,4-DB



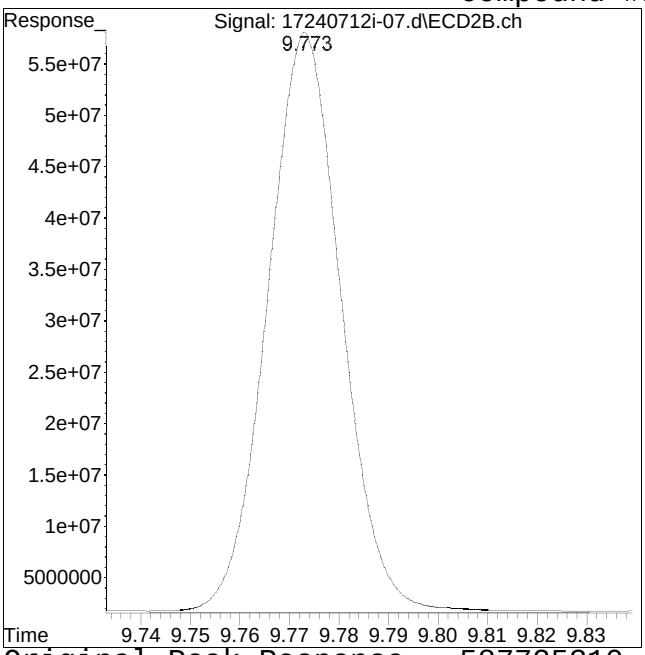


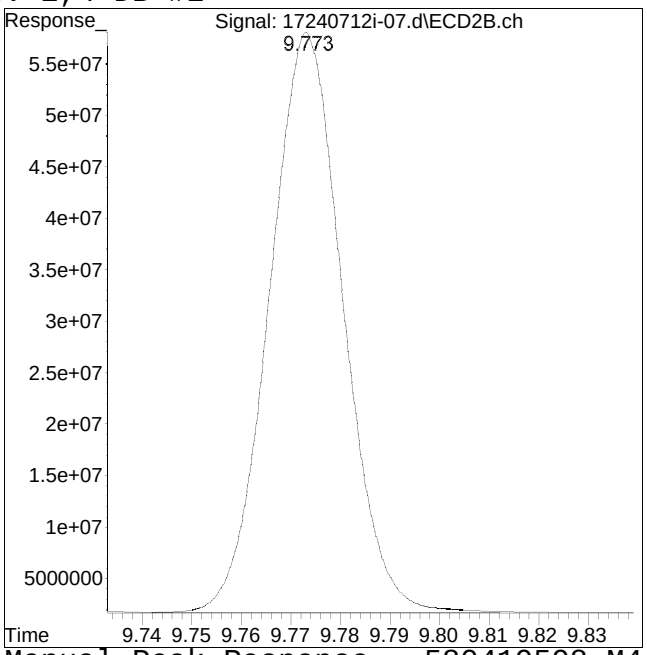
Original Peak Response = 466306462 Manual Peak Response = 454899671 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #24: 2,4-DB #2



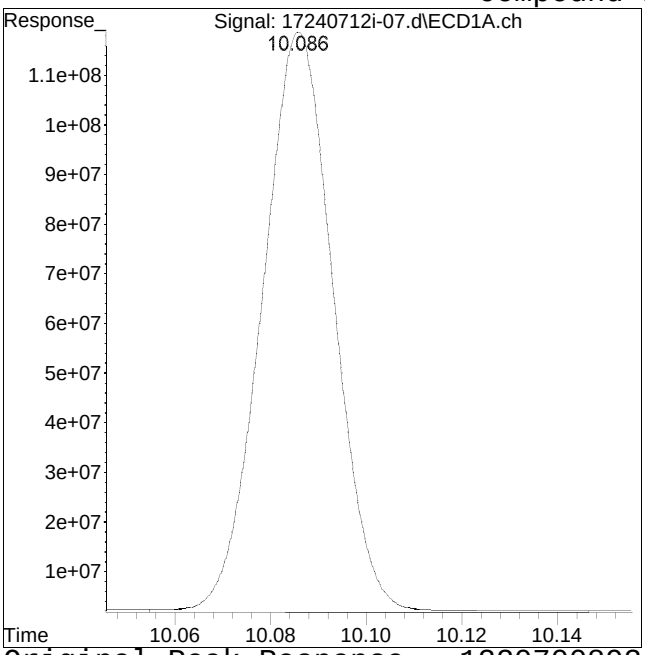


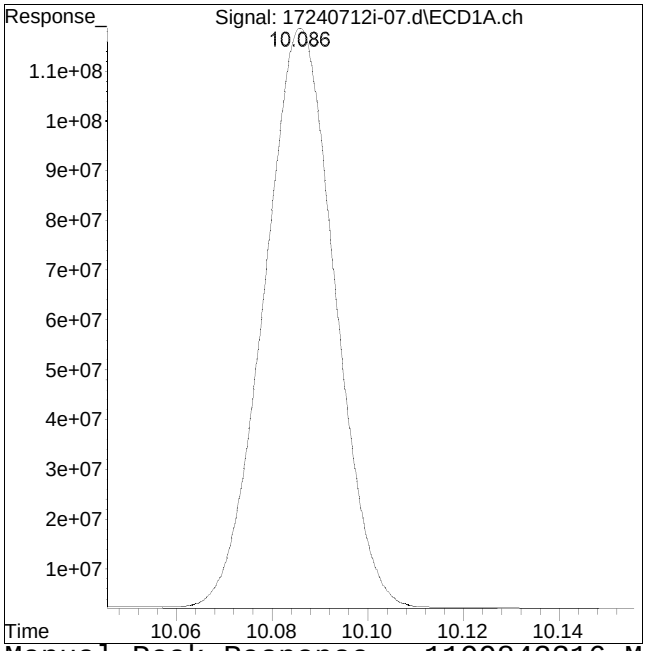
Original Peak Response = 587725310 Manual Peak Response = 580419598 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #12: Dinoseb



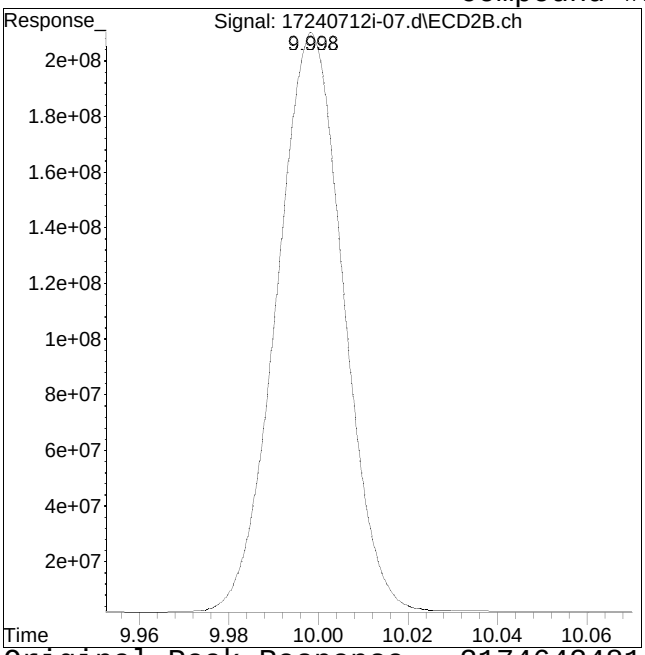


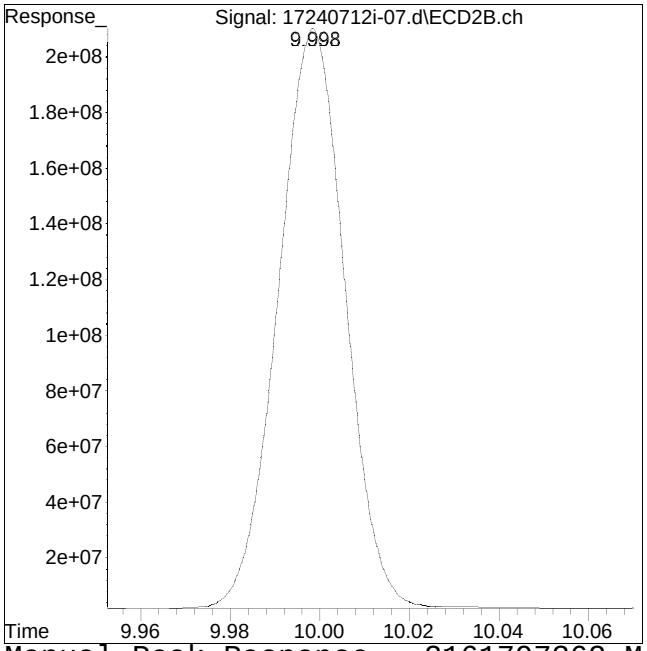
Original Peak Response = 1220700893 Manual Peak Response = 1199842316 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #25: Dinoseb #2





Original Peak Response = 2174642481 Manual Peak Response = 2161797362 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 12 Jul 2024   4:31 pm
Operator : PEST17:peg
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947140,
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	93	0.00
2	t	Dalapon		0.147	0.141	4.1	91	0.00
3	s	DCAA (surrogate)		0.164	0.163	0.6	92	0.00
4	t	Dicamba		0.547	0.545	0.4	94	0.00
5	t	MCPP		0.00077	0.00082	-6.5	94	0.00
6	t	MCPA	*	18.600	20.476	-10.1	94	0.00
7	t	Dichloroprop		0.153	0.159	-3.9	100	0.00
8	t	2,4-D		0.176	0.171	2.8	94	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.625	5.4	90	0.00
10	t	2,4,5-T		0.607	0.582	4.1	92	0.00
11	t	2,4-DB		0.100	0.094	6.0	90	0.00
12	t	Dinoseb		0.280	0.278	0.7	93	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	92	0.00
2	t	Dalapon		0.205	0.203	1.0	94	0.00
3	s	DCAA (surrogate)		0.204	0.209	-2.5	93	0.00
4	t	Dicamba		0.597	0.586	1.8	91	0.00
5	t	MCPP		0.00074	0.00076	-2.7	92	0.00
6	t	MCPA	*	18.600	19.737	-6.1	91	0.00
7	t	Dichloroprop		0.189	0.200	-5.8	97	0.00
8	t	2,4-D		0.230	0.224	2.6	90	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.789	4.5	87	0.00
10	t	2,4,5-T		0.791	0.765	3.3	90	0.00
11	t	2,4-DB		0.130	0.123	5.4	87	0.00
12	t	Dinoseb		0.479	0.478	0.2	93	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 12 Jul 2024   4:31 pm
Operator : PEST17:peg
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947140,
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.432	8.419	556.5E6	573.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	68232865	90013933	0.187M4	0.192
		Spiked Amount	0.500	Range 30 - 150		Recovery =	37.40%	38.40%
		Target Compounds						
2)	t	Dalapon	1.899	1.922	56979675	84839674	0.174	0.180M3
4)	t	Dicamba	7.060	7.522	227.9E6	252.6E6	0.187M4	0.184M3
5)	t	MCPP	7.267	7.636	34413564	32918279	20.061M4	19.311M4
6)	t	MCPA	7.411	7.862	56586787	55375336	20.476M4	19.737M4
7)	t	Dichloroprop	7.766	8.182	66699637	86443672	0.196M3	0.199M4
8)	t	2,4-D	7.975	8.457	71586557	96805080	0.183M4	0.184M4
9)	t	2,4,5-TP (Si	8.701	9.120	264.3E6	343.9E6	0.180M4	0.182M4
10)	t	2,4,5-T	8.919	9.410	246.0E6	333.5E6	0.182M4	0.184M4
11)	t	2,4-DB	9.329	9.774	40191709	54155626	0.181M4	0.181M4
12)	t	Dinoseb	10.085	9.998	117.4E6	208.2E6	0.189M4	0.190M4
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

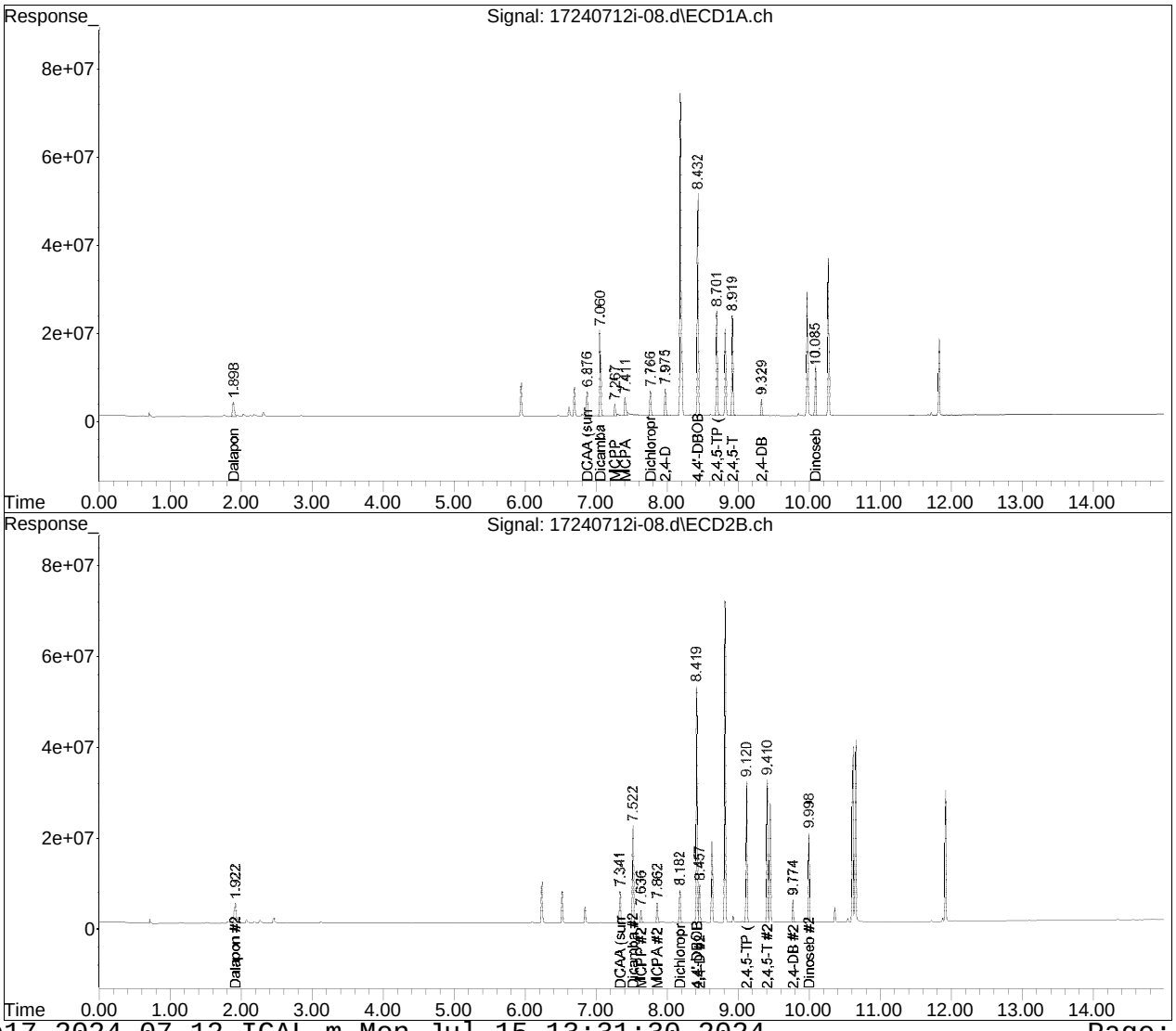
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

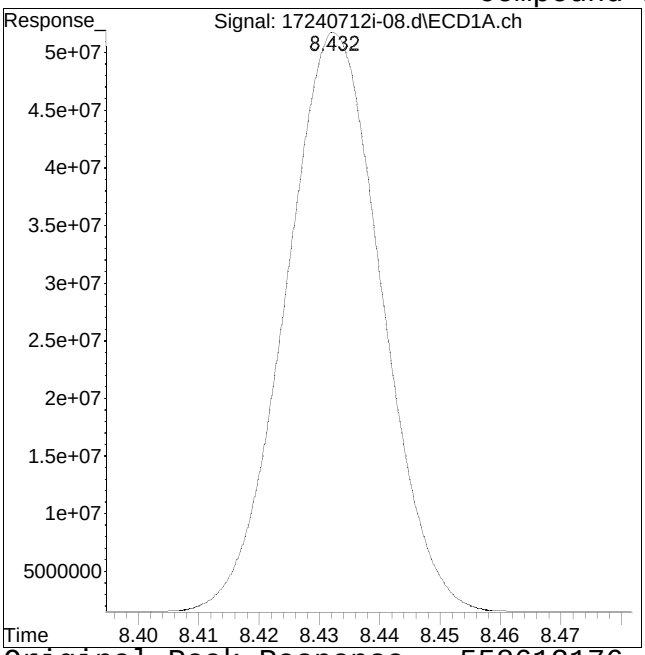
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

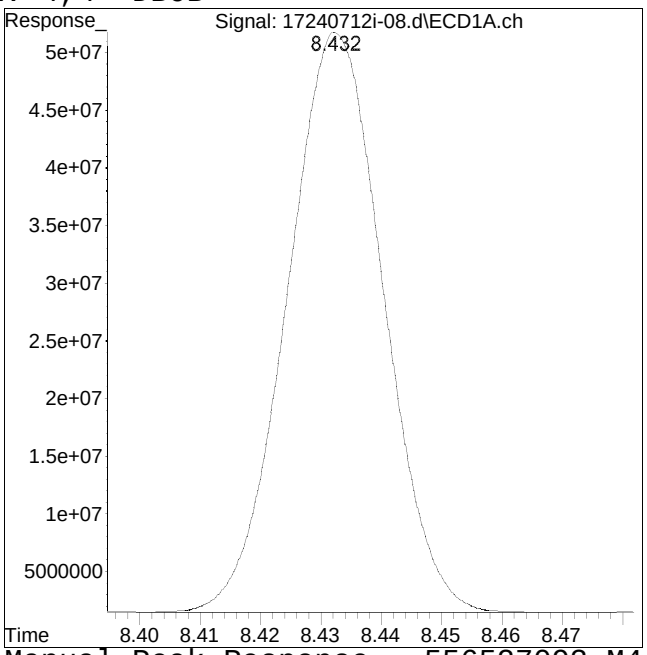


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #1: 4,4'-DBOB



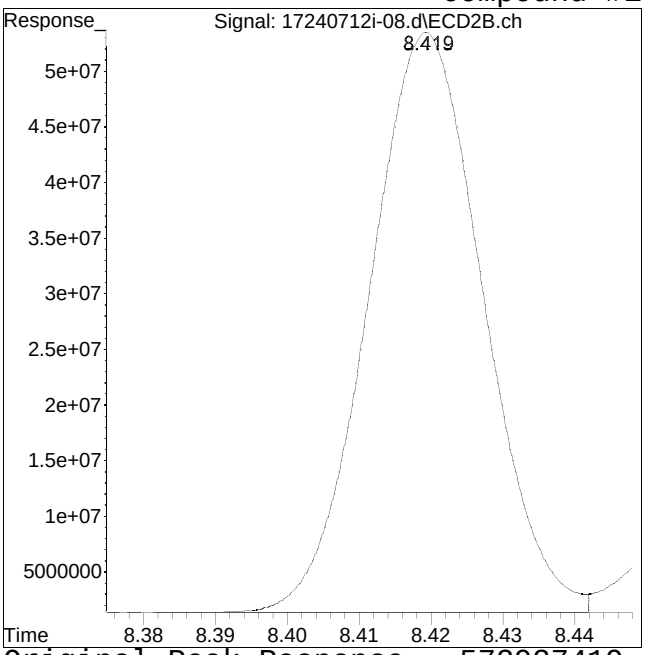


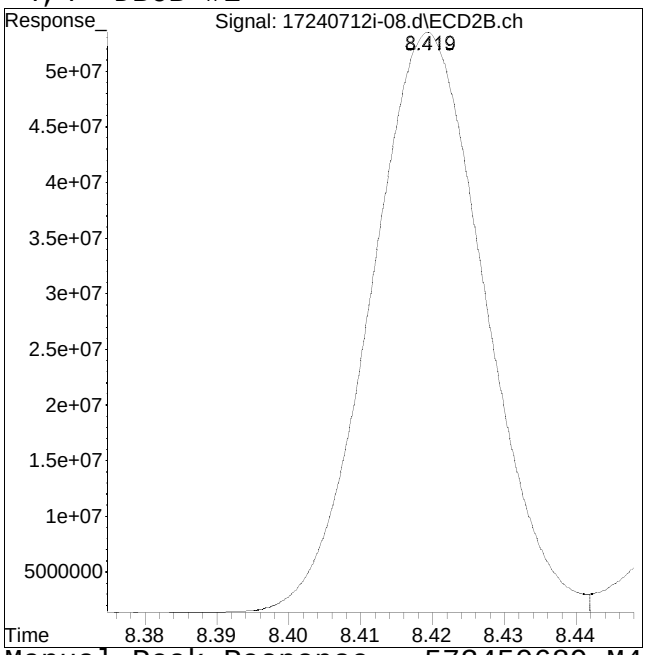
Original Peak Response = 558612176 Manual Peak Response = 556527093 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #14: 4,4'-DBOB #2



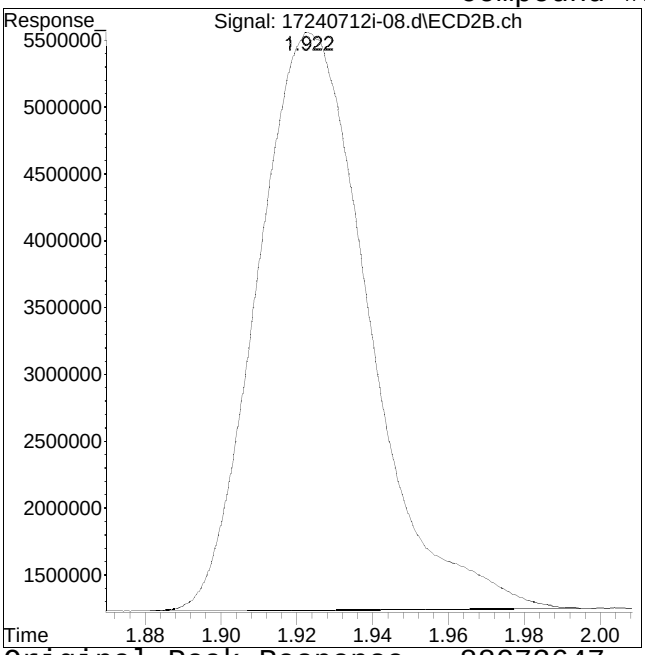


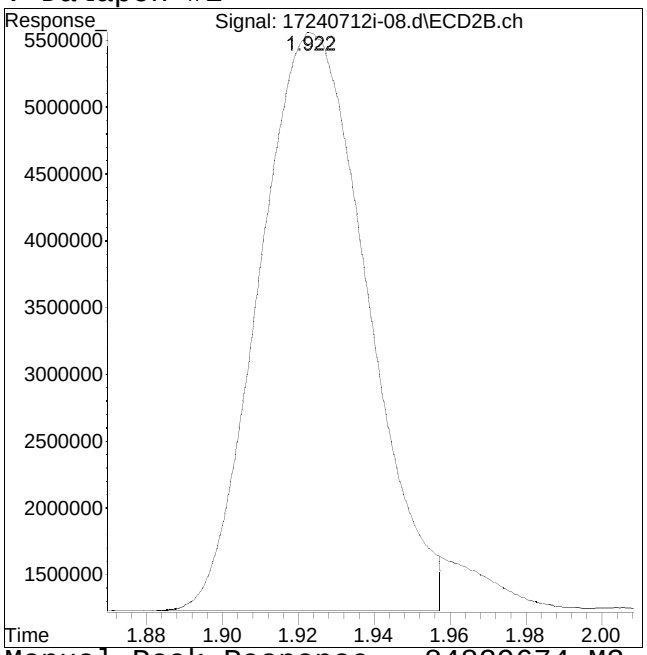
Original Peak Response = 572927419 Manual Peak Response = 573450689 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #15: Dalapon #2



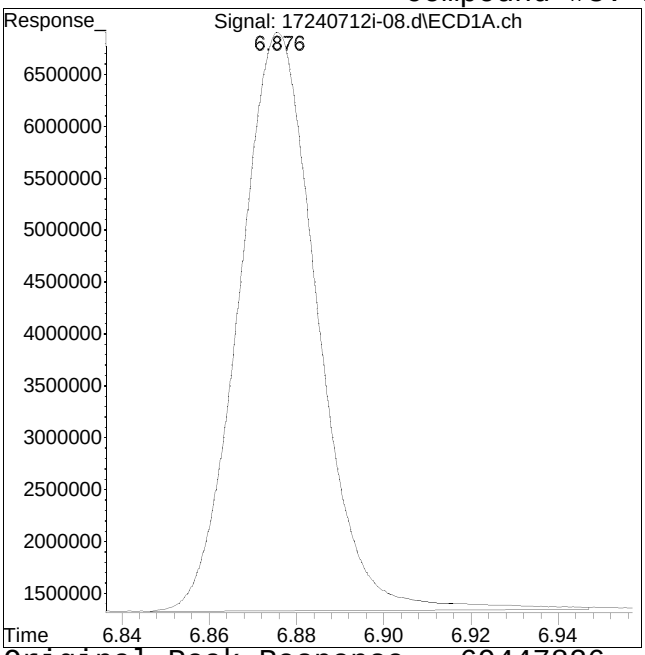


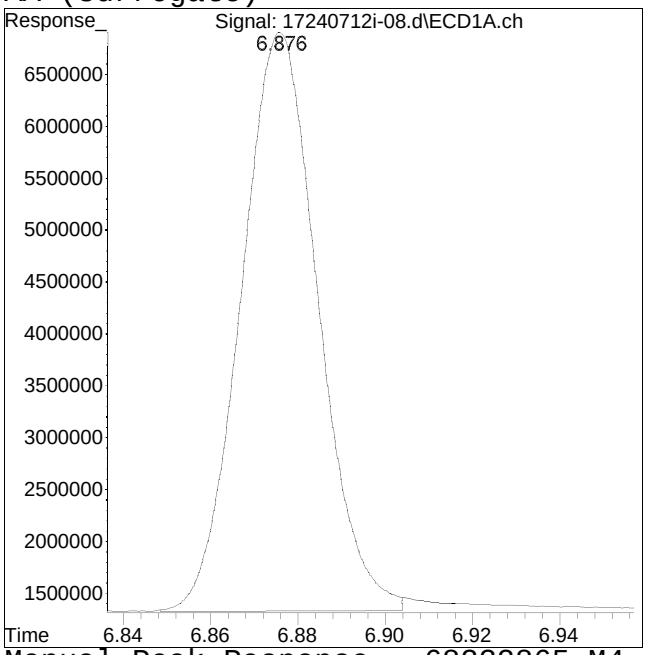
Original Peak Response = 88073647 Manual Peak Response = 84839674 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #3: DCAA (surrogate)



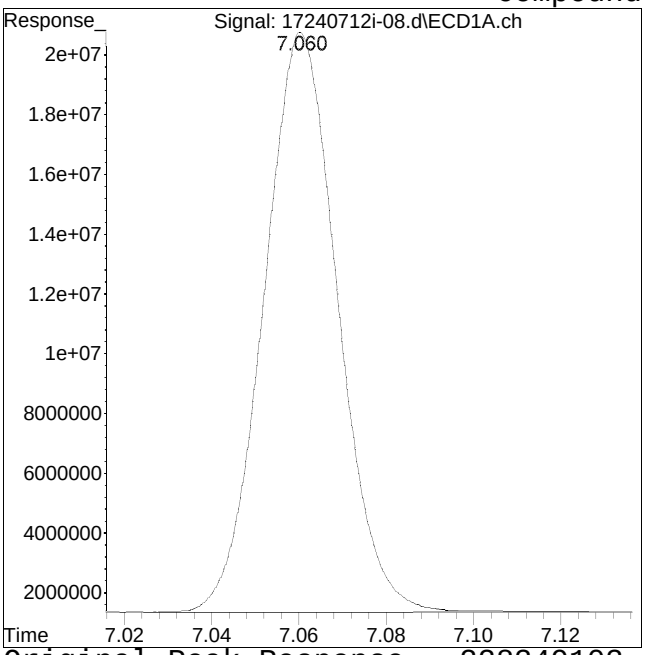


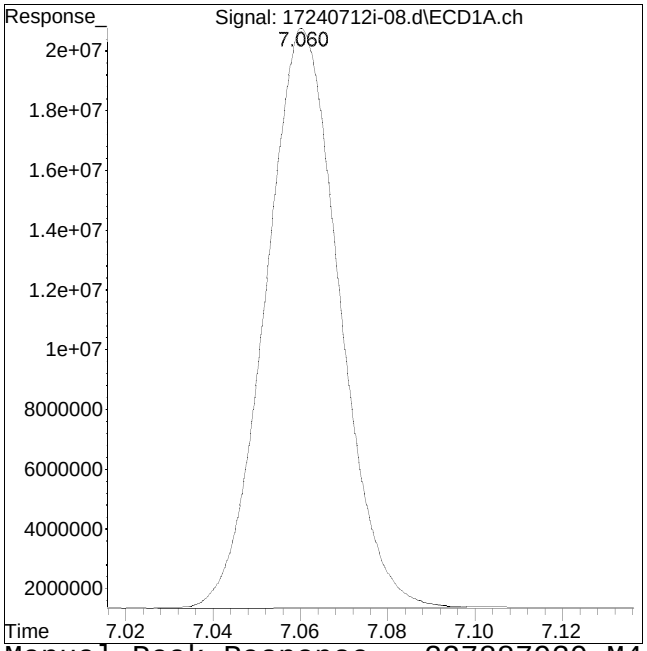
Original Peak Response = 69447826 Manual Peak Response = 68232865 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #4: Dicamba



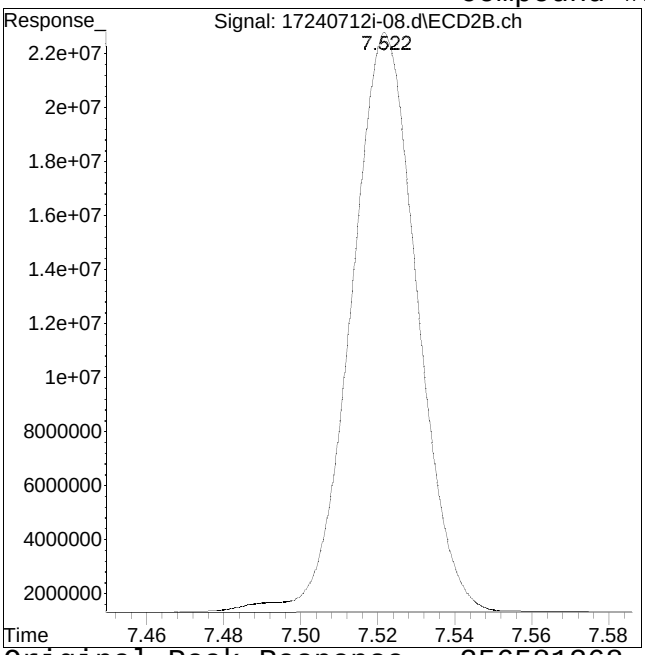


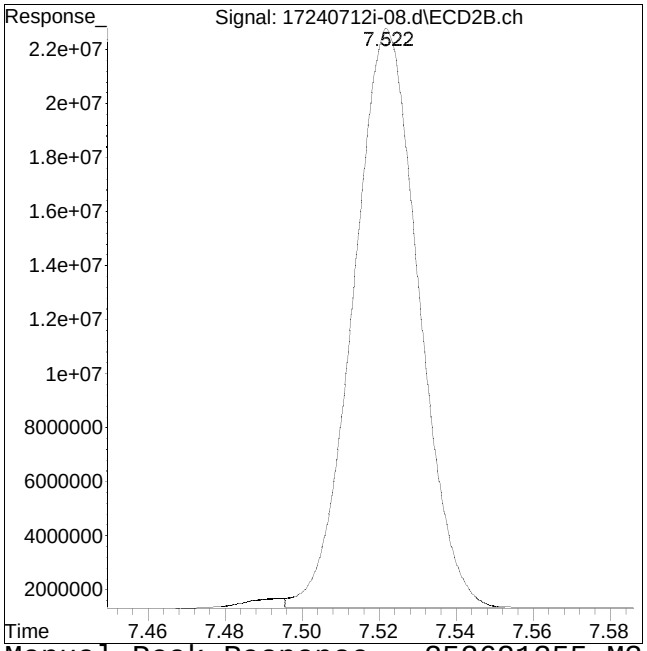
Original Peak Response = 228349103 Manual Peak Response = 227887930 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #17: Dicamba #2



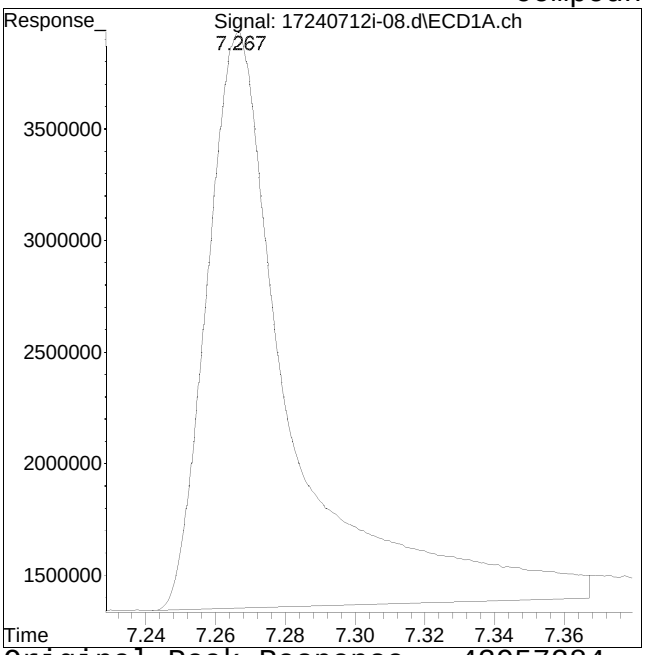


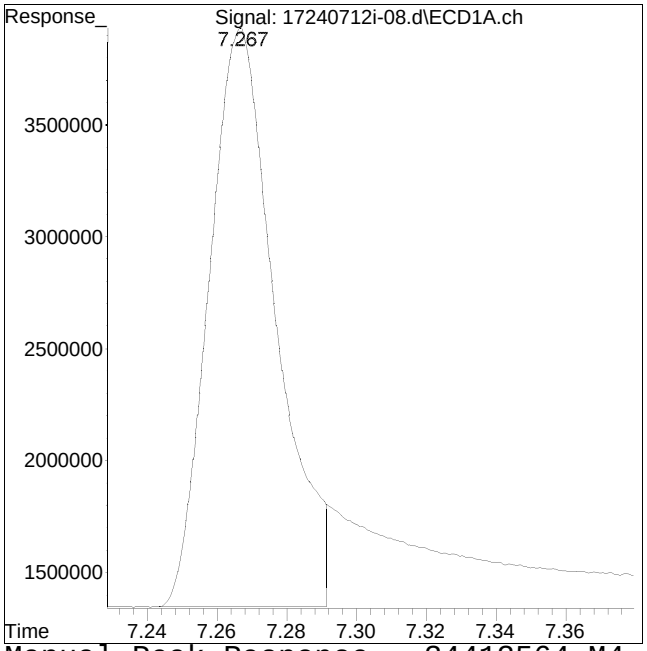
Original Peak Response = 256581368 Manual Peak Response = 252621355 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #5: MCPP



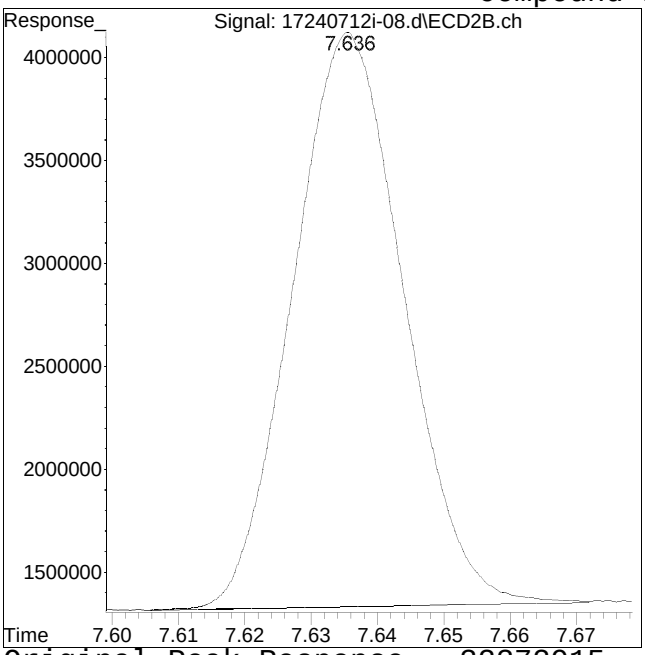


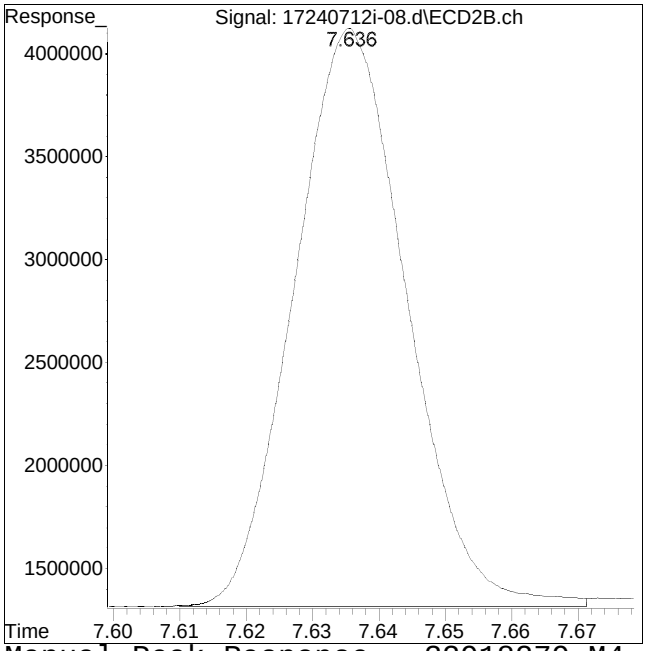
Original Peak Response = 43957284 Manual Peak Response = 34413564 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #18: MCPP #2



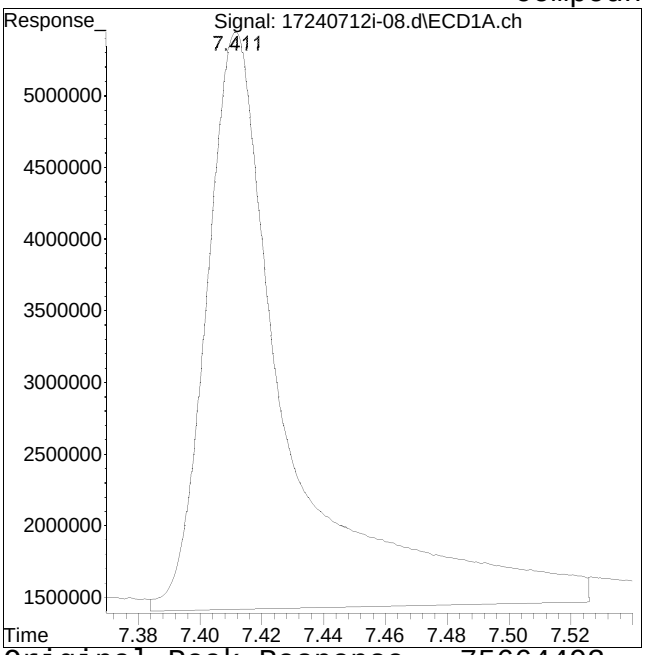


Original Peak Response = 32372915 Manual Peak Response = 32918279 M4
M4 = Poor automated baseline construction.

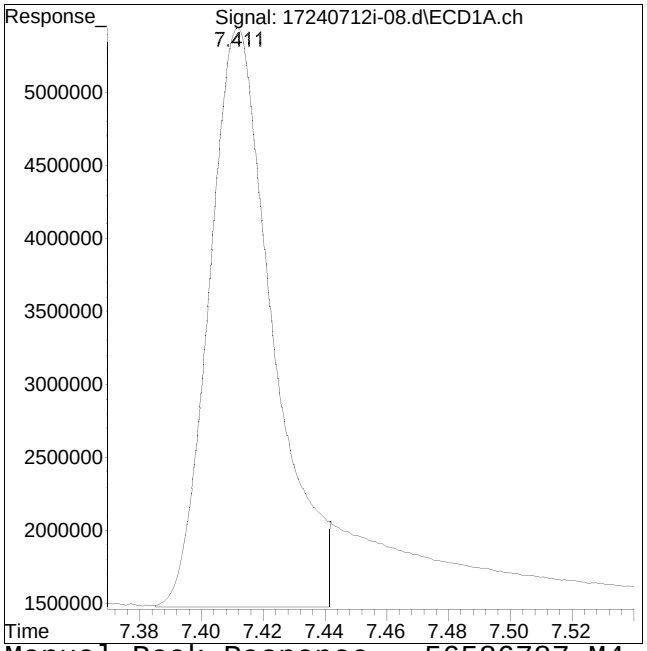
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #6: MCPA



Original Peak Response = 75664493



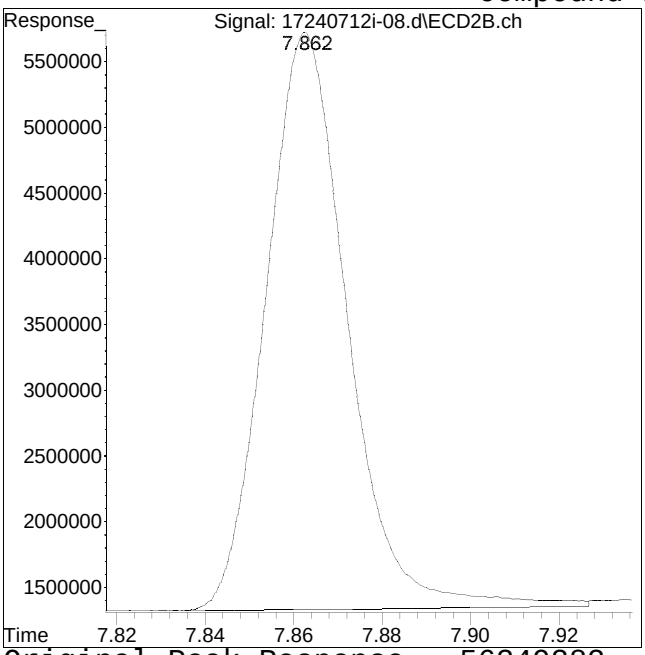
Manual Peak Response = 56586787 M4

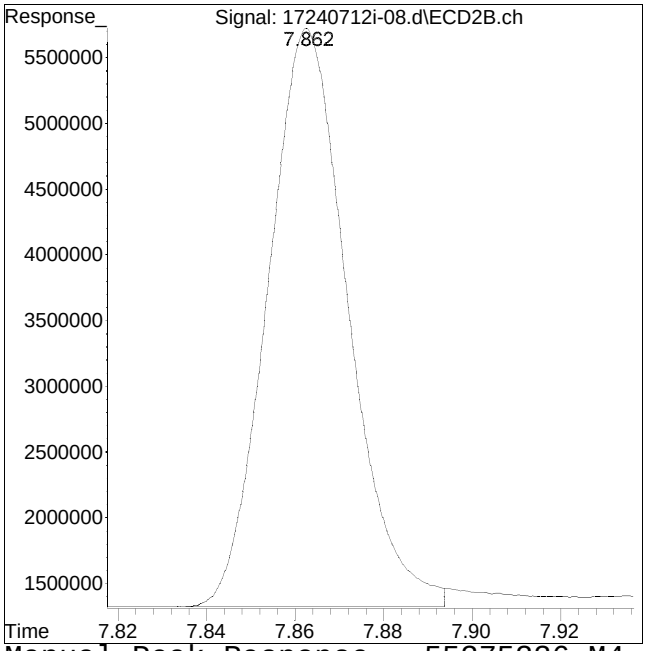
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #19: MCPA #2



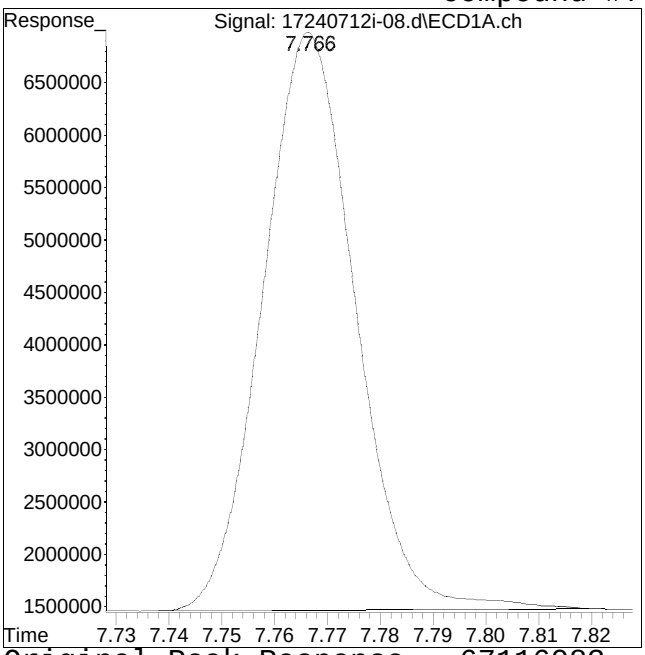


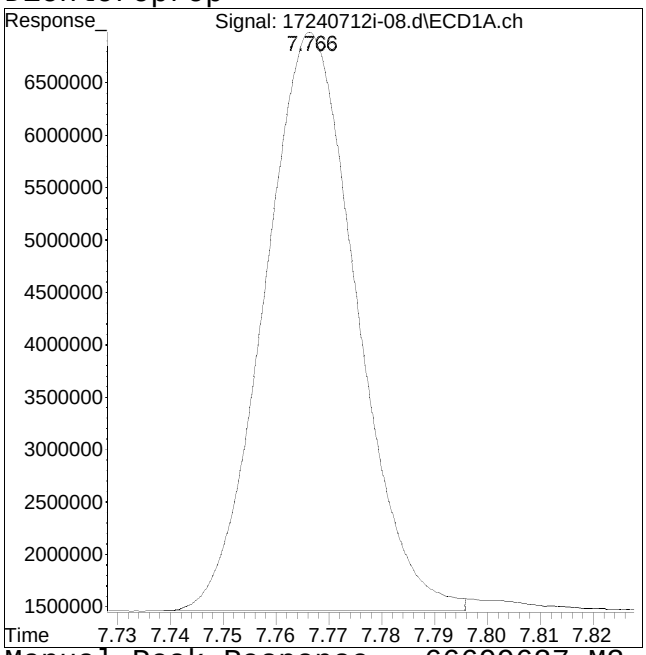
Original Peak Response = 56349282 Manual Peak Response = 55375336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #7: Dichloroprop



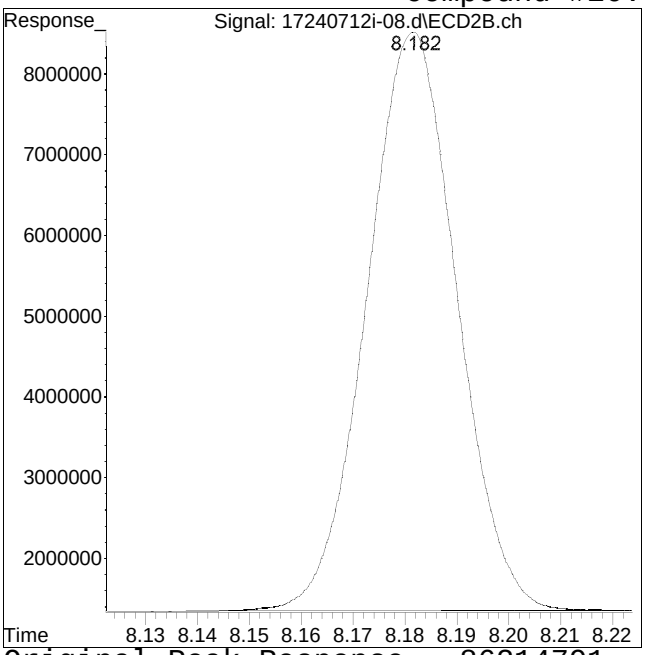


Original Peak Response = 67116083 Manual Peak Response = 66699637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

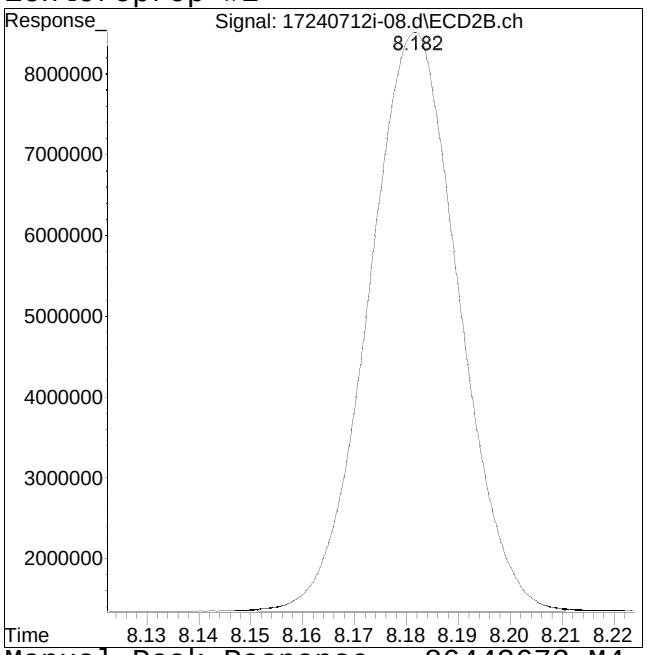
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #20: Dichloroprop #2



Original Peak Response = 86214791



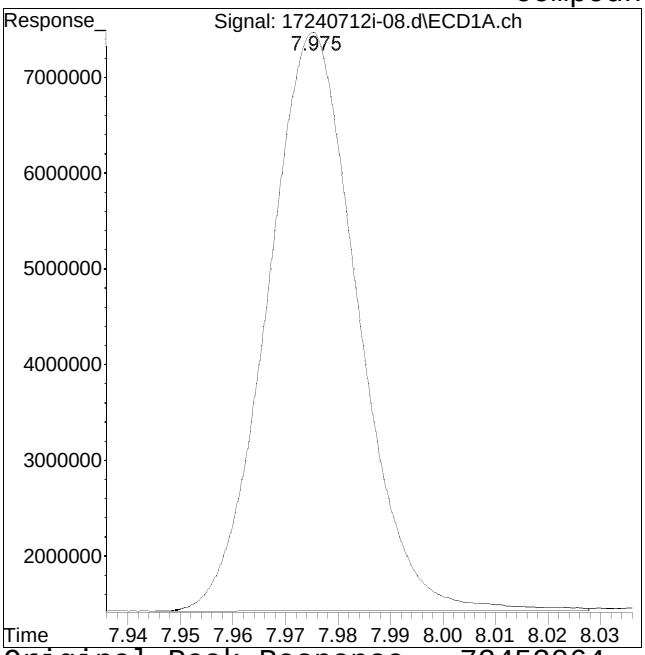
Manual Peak Response = 86443672 M4

M4 = Poor automated baseline construction.

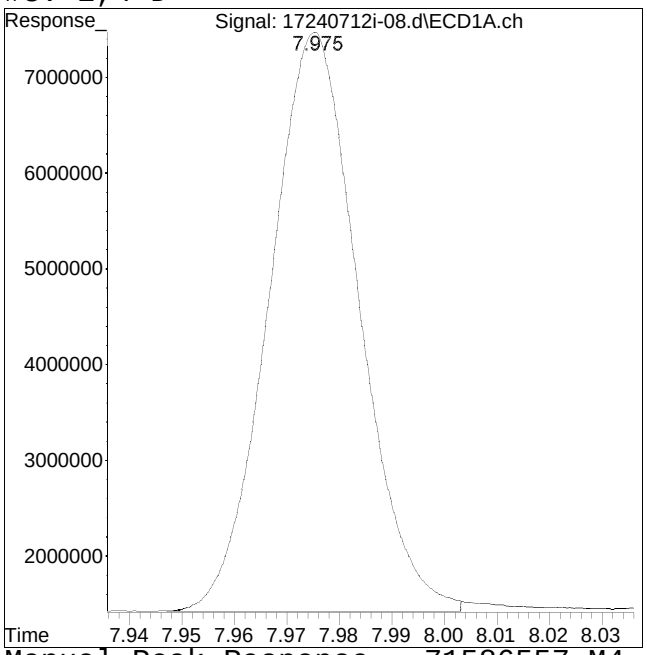
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #8: 2,4-D



Original Peak Response = 72453064



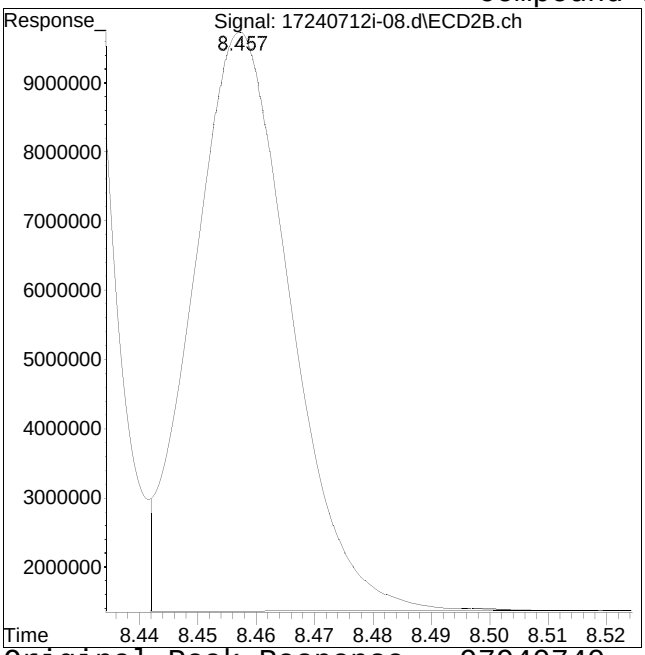
Manual Peak Response = 71586557 M4

M4 = Poor automated baseline construction.

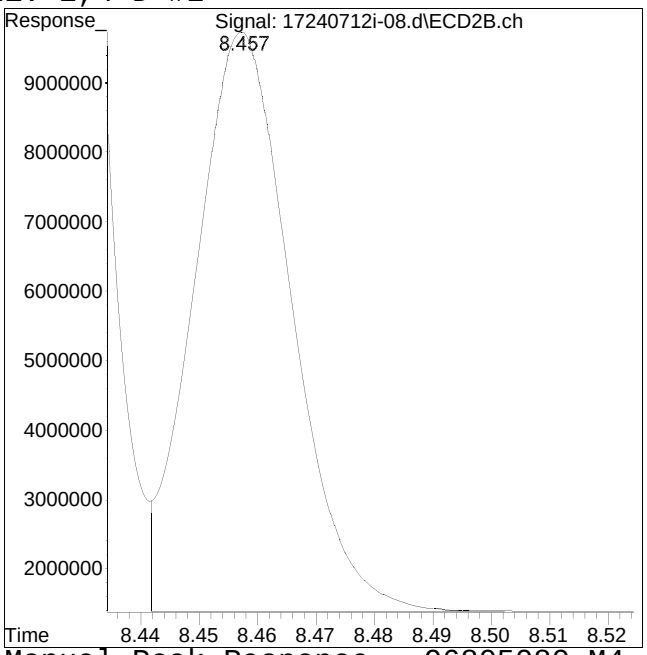
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #21: 2,4-D #2



Original Peak Response = 97940740



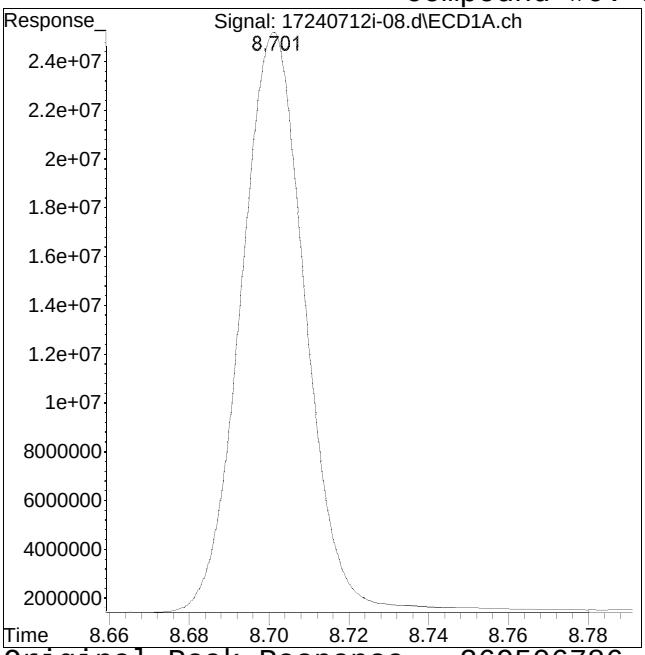
Manual Peak Response = 96805080 M4

M4 = Poor automated baseline construction.

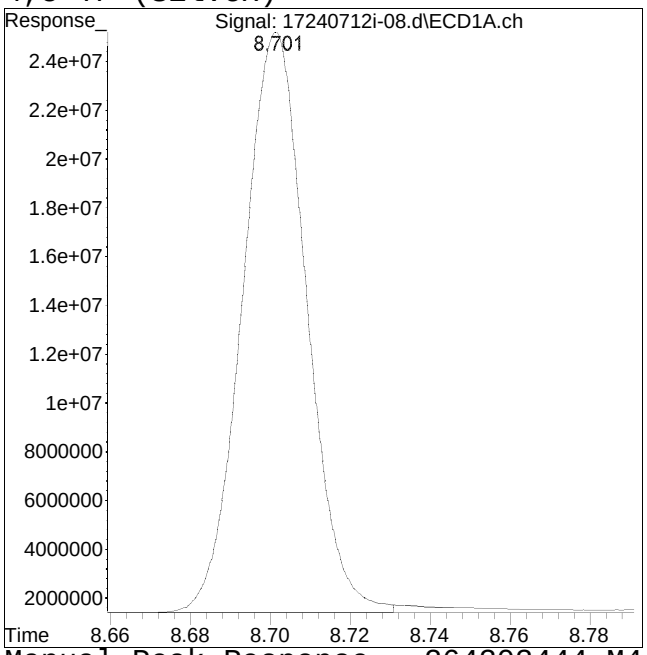
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 269506786

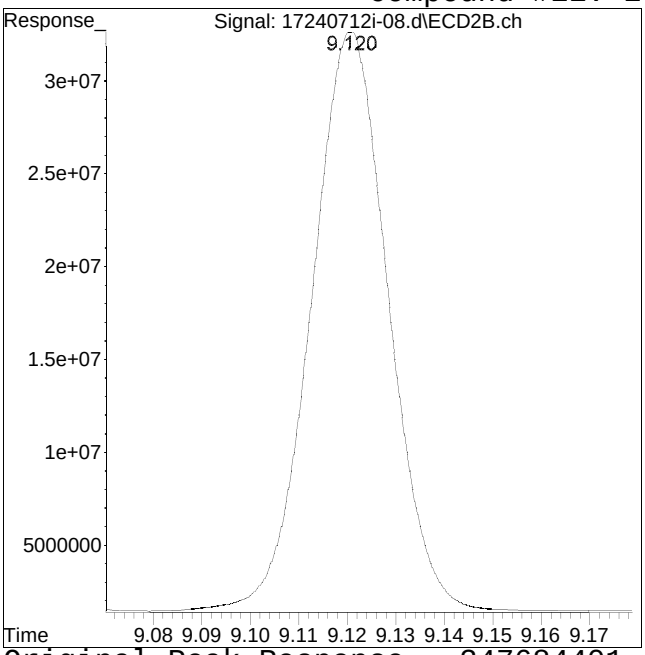


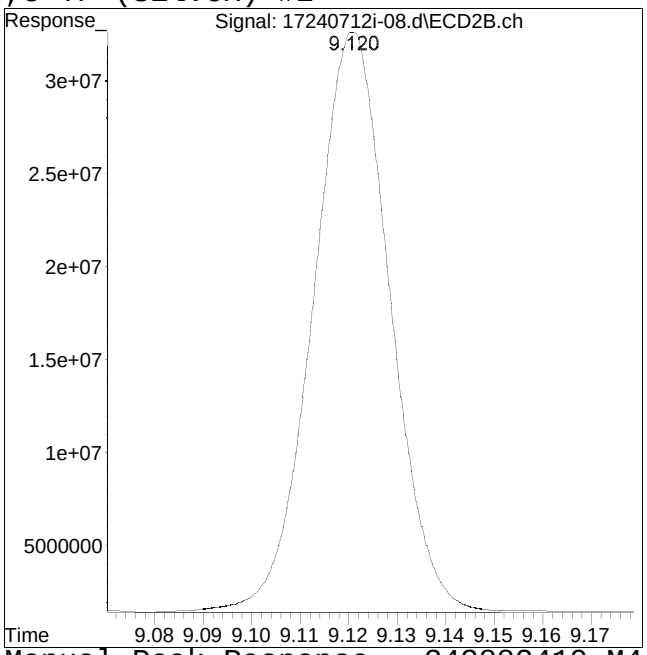
Manual Peak Response = 264303444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #22: 2,4,5-TP (Silvex) #2



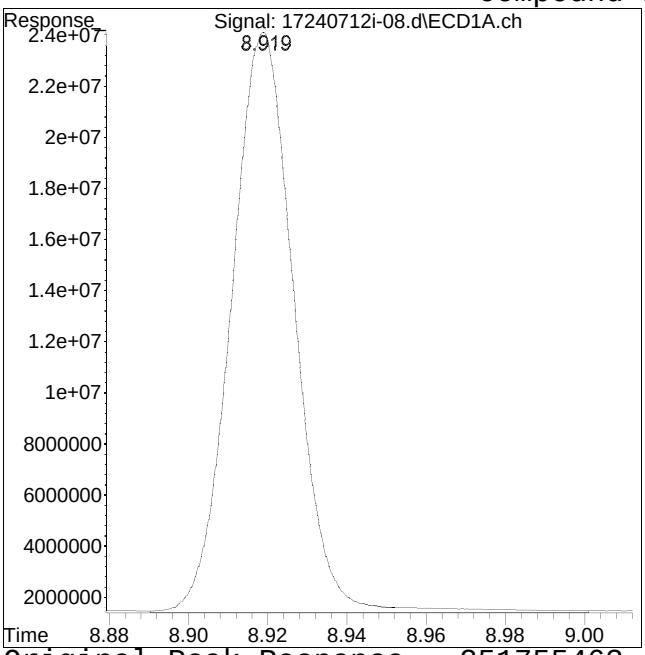


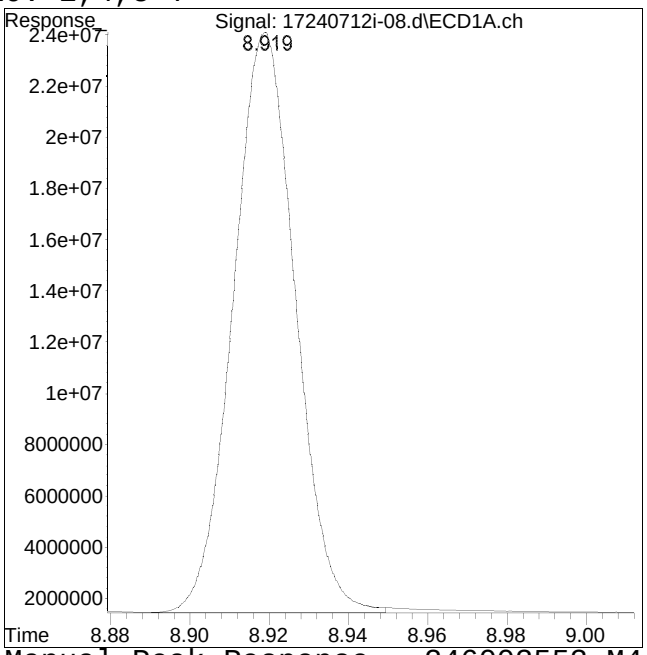
Original Peak Response = 347684401 Manual Peak Response = 343882419 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #10: 2,4,5-T



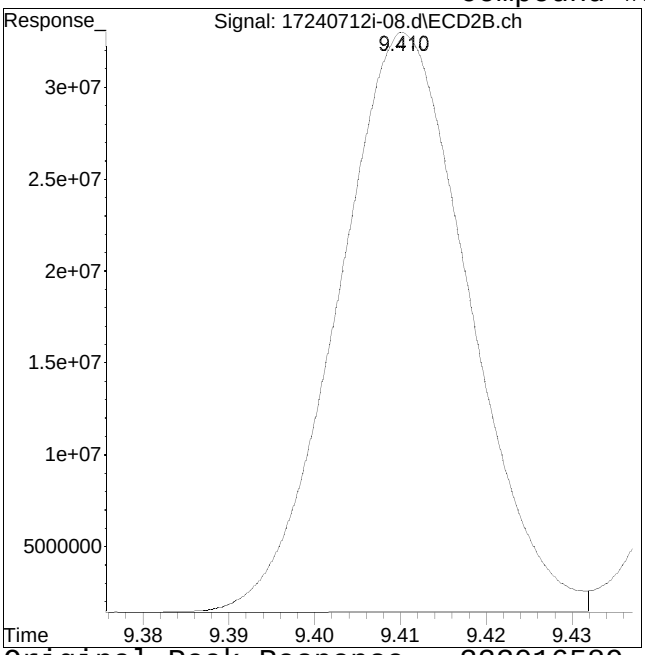


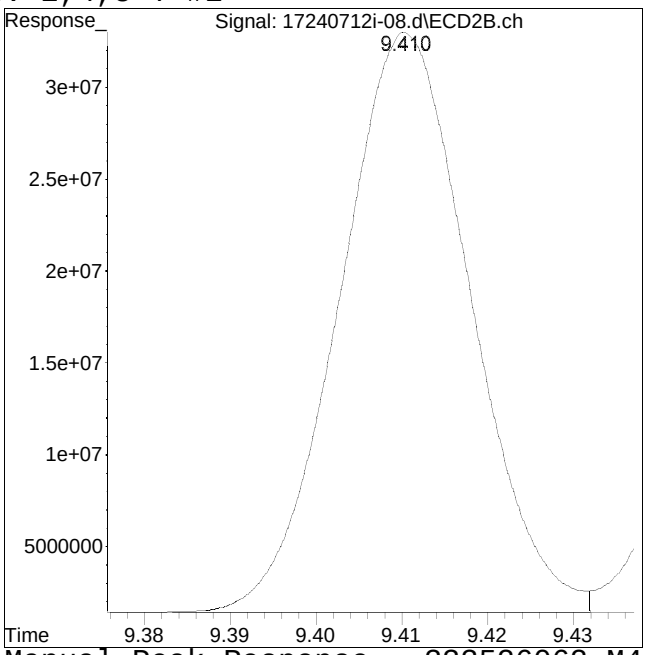
Original Peak Response = 251755463 Manual Peak Response = 246003553 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #23: 2,4,5-T #2



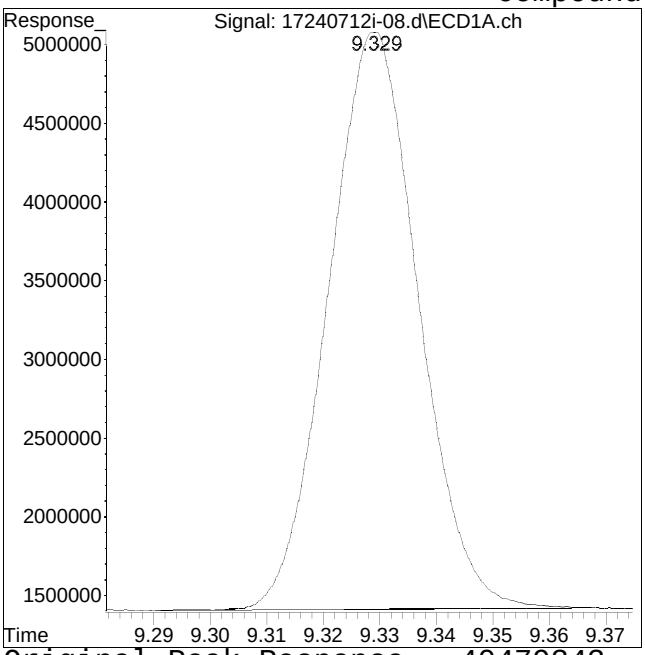


Original Peak Response = 333016589 Manual Peak Response = 333526062 M4
M4 = Poor automated baseline construction.

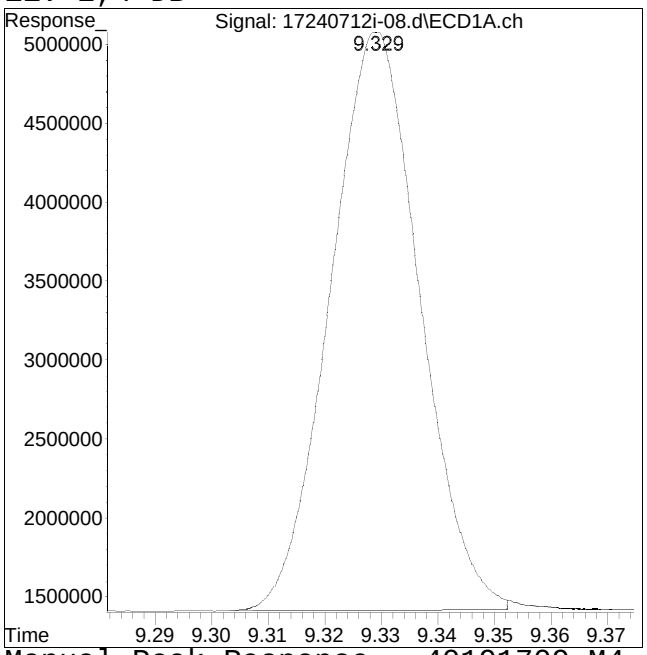
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #11: 2,4-DB



Original Peak Response = 40479343



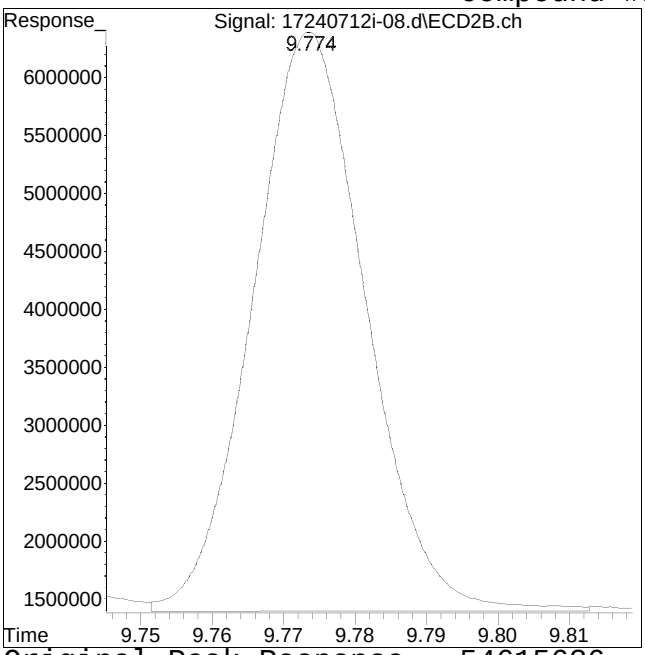
Manual Peak Response = 40191709 M4

M4 = Poor automated baseline construction.

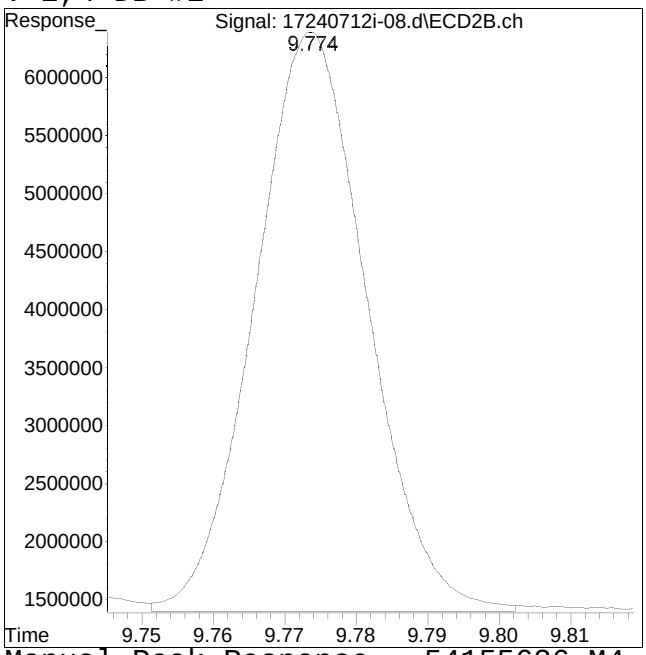
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #24: 2,4-DB #2



Original Peak Response = 54615636



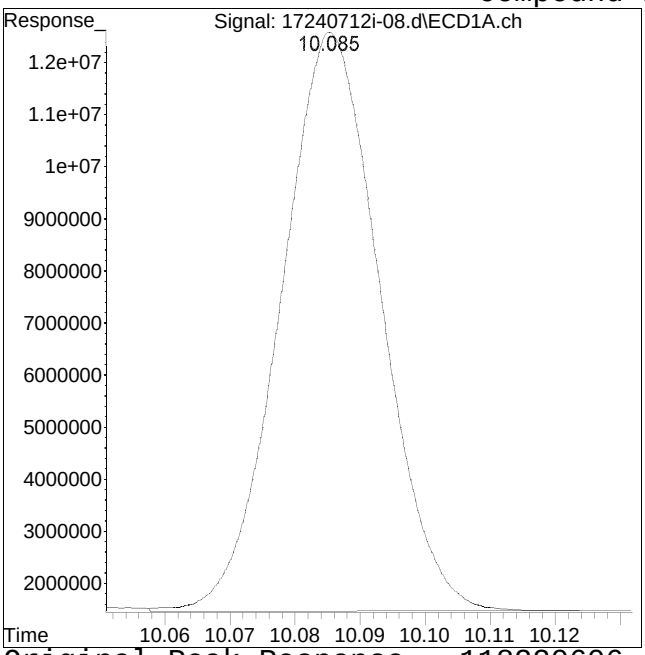
Manual Peak Response = 54155626 M4

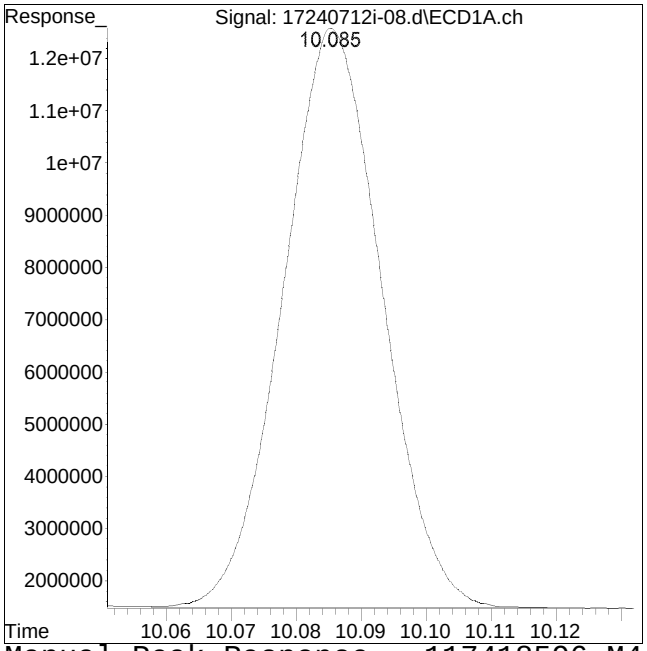
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #12: Dinoseb



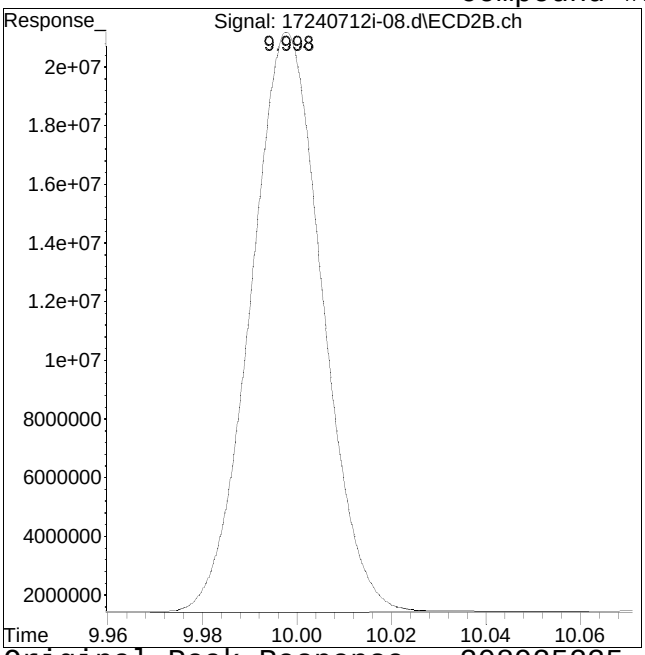


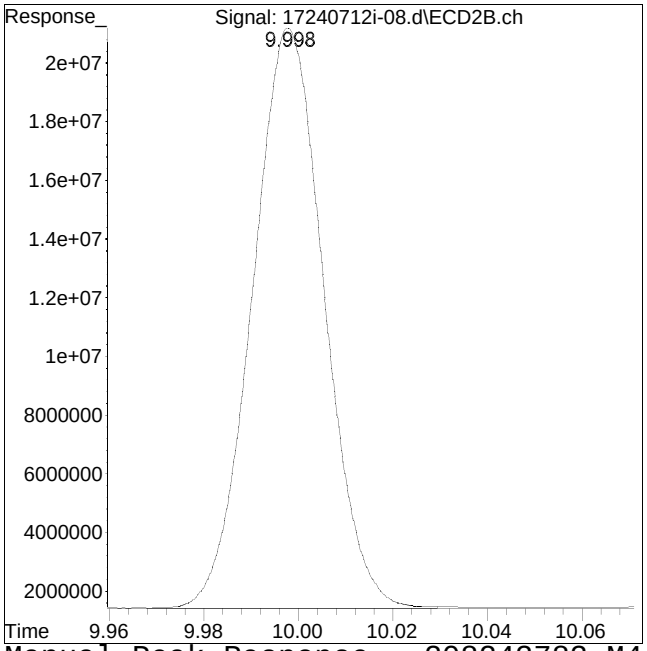
Original Peak Response = 118220606 Manual Peak Response = 117418596 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #25: Dinoseb #2





Original Peak Response = 208925235 Manual Peak Response = 208243783 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 17

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	T MCPA	L	mg/l	18.6	20.854	12.1	4.65	3.490	-24.9
19	T MCPA #2	L	mg/l	18.6	20.408	9.7	4.65	3.831	-17.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	T MCPA	Linear	0.996637	0.000000	0.000940056	0.0246855
19	T MCPA #2	Linear	0.998322	0.000000	0.00100632	0.0171195

Response Factor Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Sil...	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Signal #2 Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil...	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.547	8.526	942.8E6	960.8E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.010	7.459	41107994	42517010	0.058M4	0.059M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	11.60%#	11.80%#
		Target Compounds						
2)	t	Dalapon	2.415	2.403	44957471	51485046	0.054M4	0.064M3
4)	t	Dicamba	7.190	7.639	116.6E6	118.8E6	0.057M4	0.056M4
5)	t	MCPP	7.391	7.750	5765282	9094615	3.261M4	3.936M4
6)	t	MCPA	7.536	7.976	16321263	22297917	5.115M4	5.707M4
7)	t	Dichloroprop	7.894	8.293	39000105	39065191	0.060M4	0.059M4
8)	t	2,4-D	8.112	8.567	44380572	64259446	0.056M3	0.069M3
9)	t	2,4,5-TP (Si	8.820	9.223	161.2E6	168.5E6	0.054M4	0.055M4
10)	t	2,4,5-T	9.044	9.511	161.7E6	158.6E6	0.054M4	0.055M4
11)	t	2,4-DB	9.451	9.871	24386246	27904577	0.056M3	0.057M4
12)	t	Dinoseb	10.192	10.094	122.4E6	108.9E6	0.058M3	0.056M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

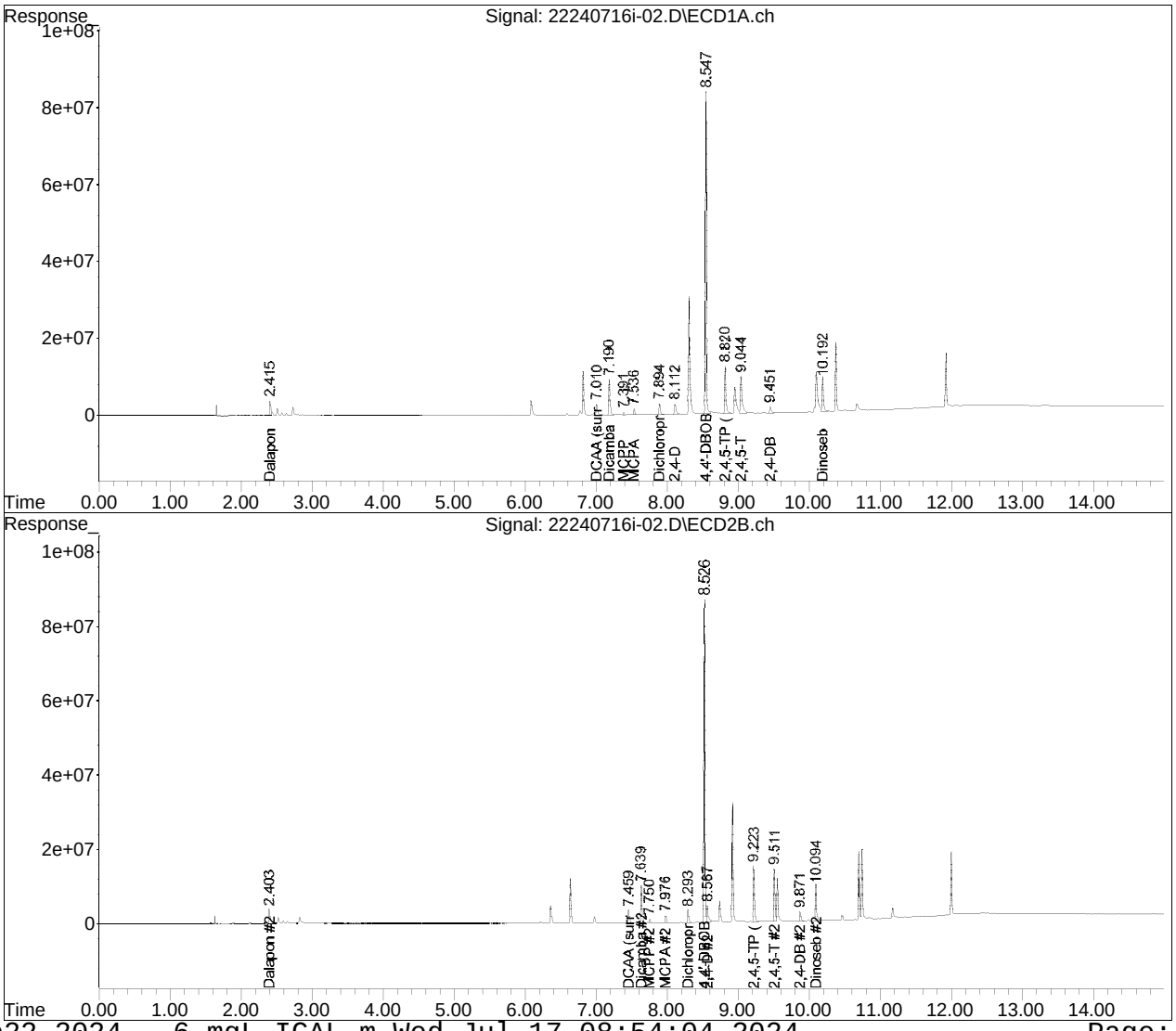
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

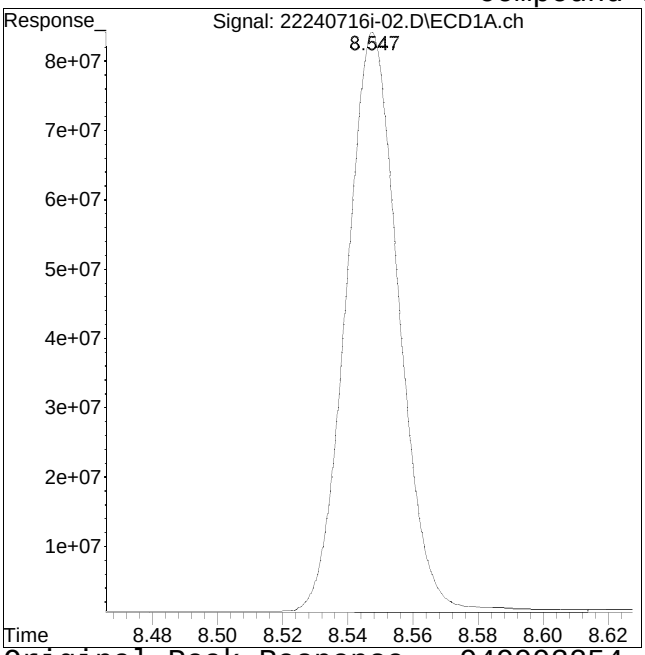
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

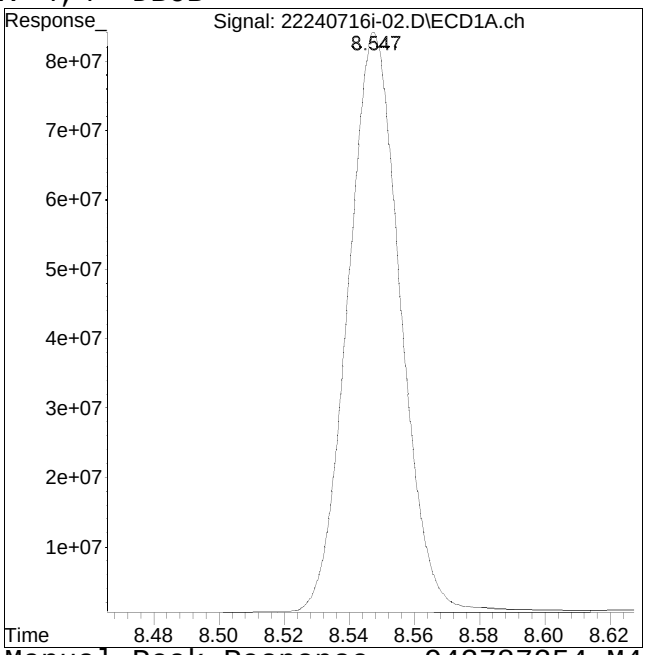


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #1: 4,4'-DBOB



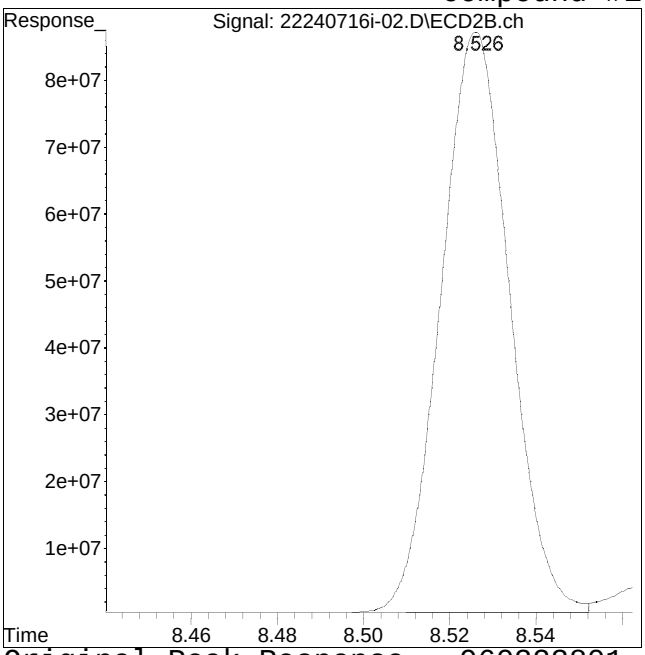


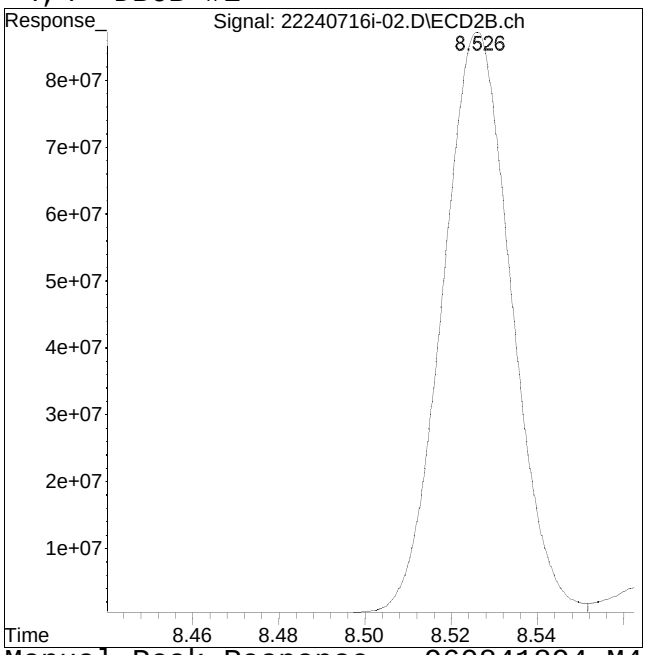
Original Peak Response = 949993254 Manual Peak Response = 942787254 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #14: 4,4'-DBOB #2



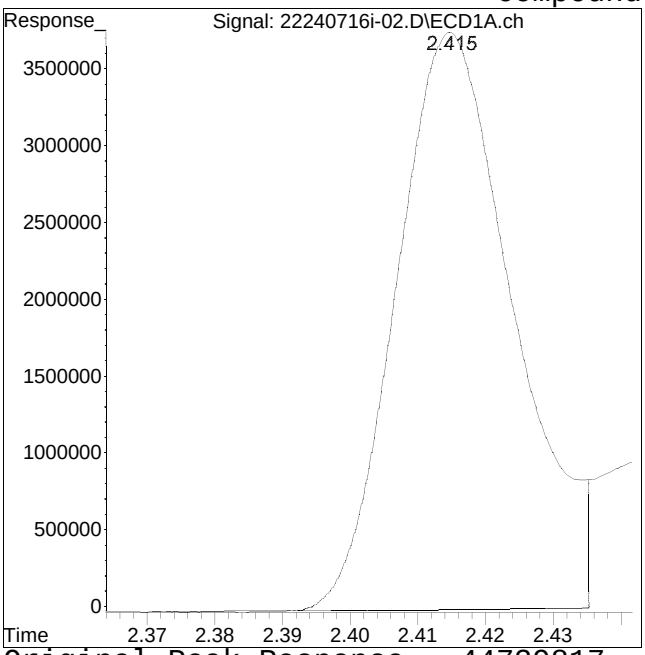


Original Peak Response = 960323801 Manual Peak Response = 960841894 M4
M4 = Poor automated baseline construction.

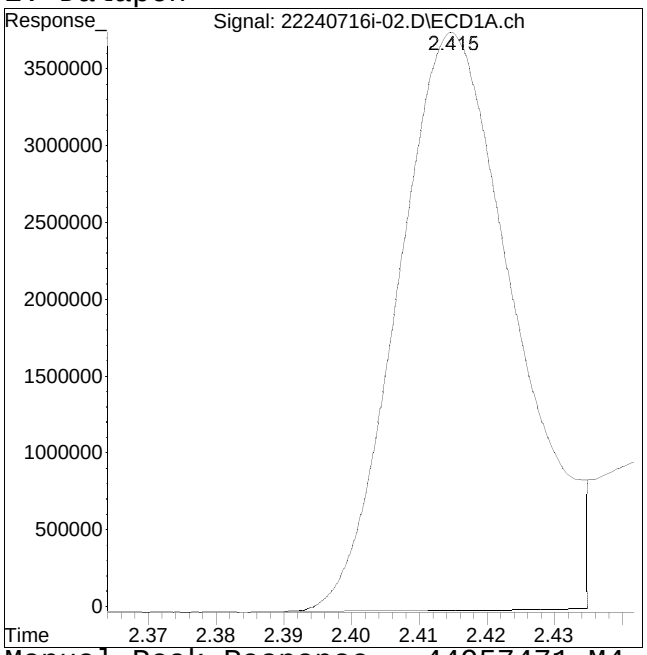
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #2: Dalapon



Original Peak Response = 44739817



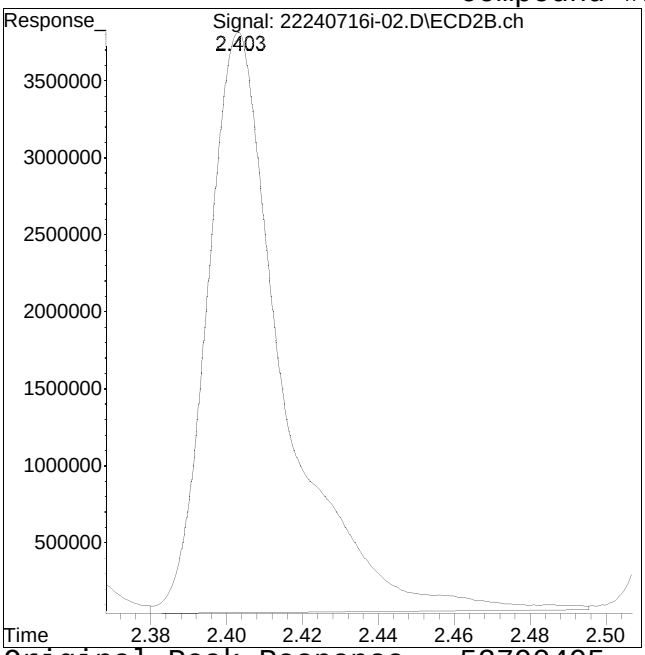
Manual Peak Response = 44957471 M4

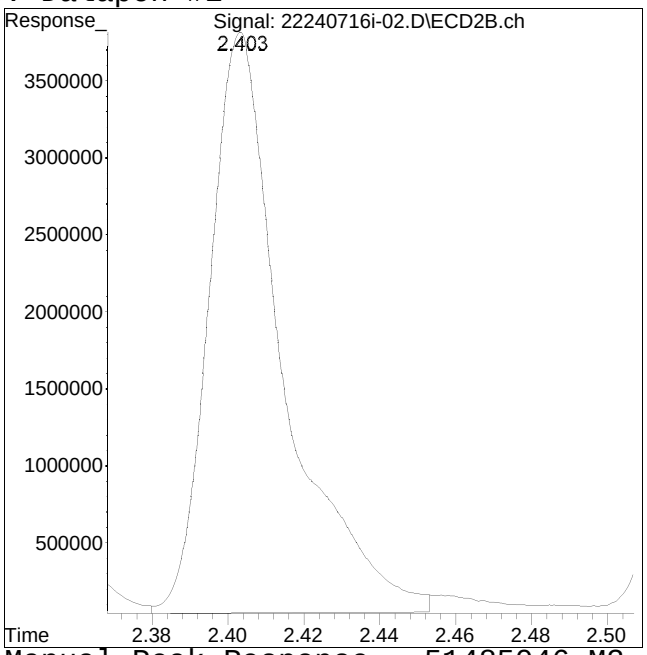
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #15: Dalapon #2



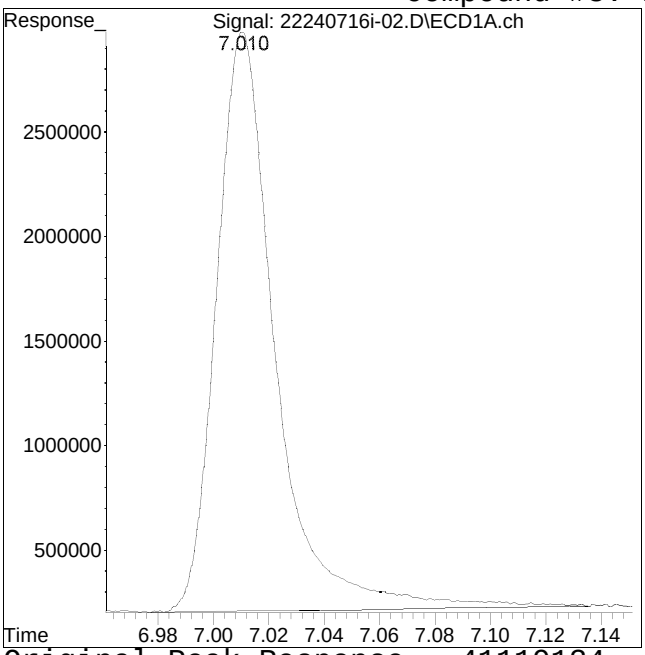


Original Peak Response = 52790495 Manual Peak Response = 51485046 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

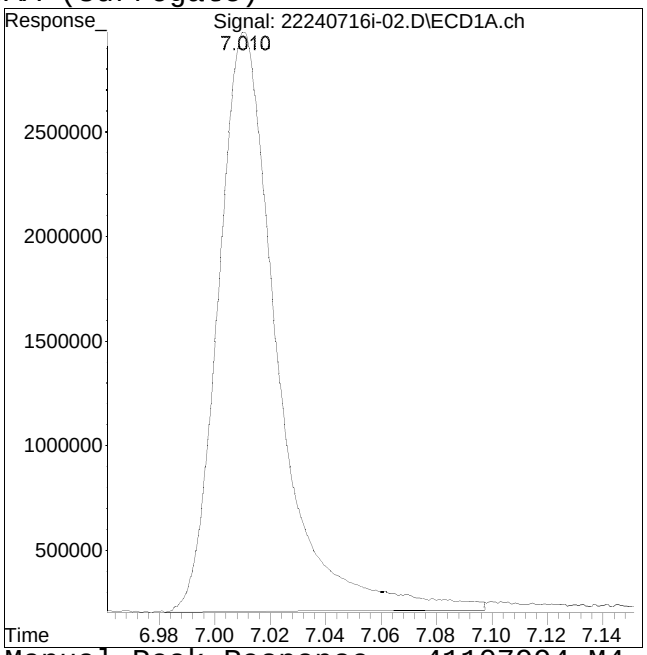
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 41119134



Manual Peak Response = 41107994 M4

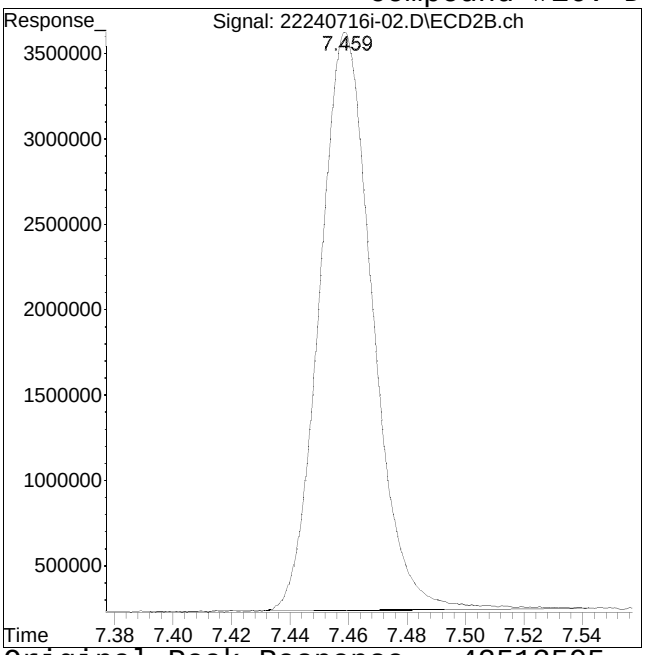
M4 = Poor automated baseline construction.

Manual Integration Report

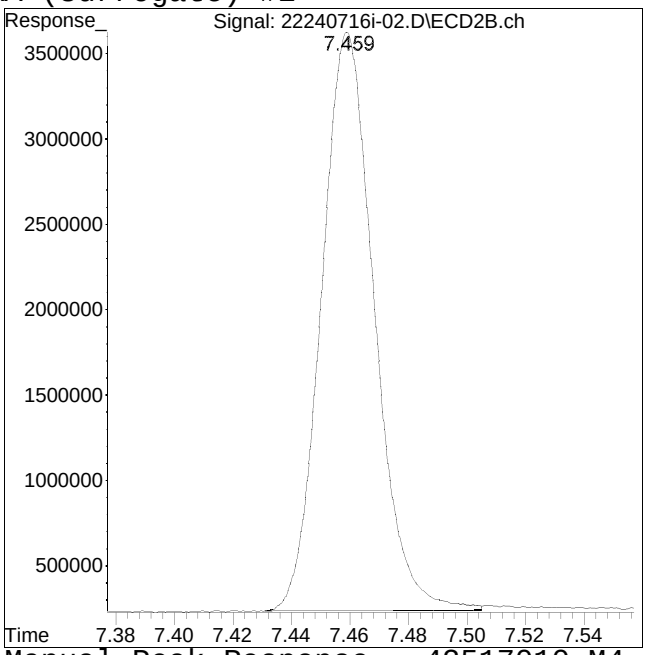
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 42513595



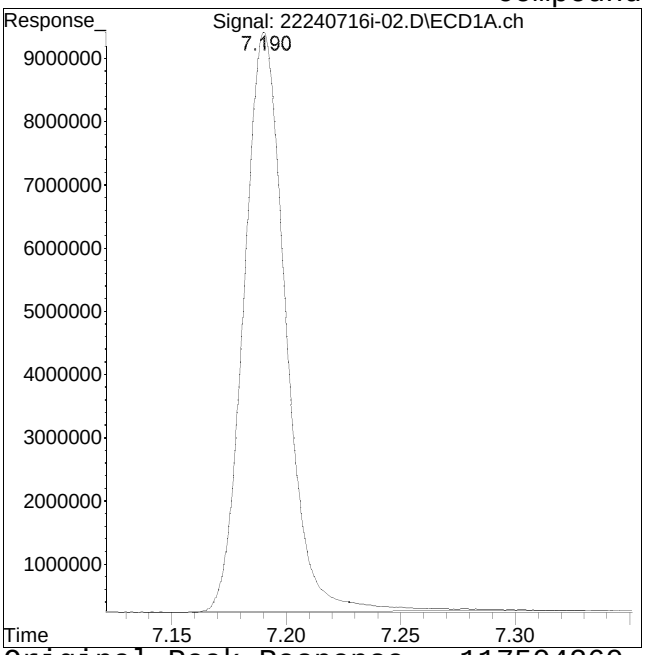
Manual Peak Response = 42517010 M4

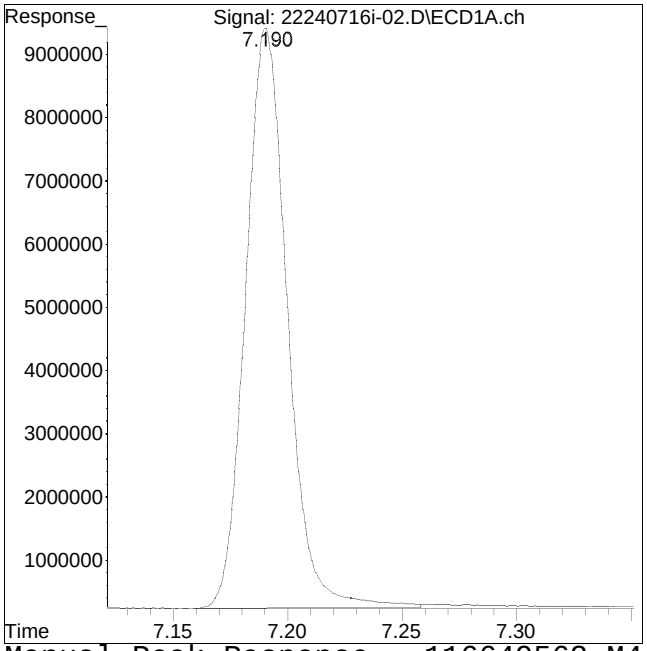
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #4: Dicamba



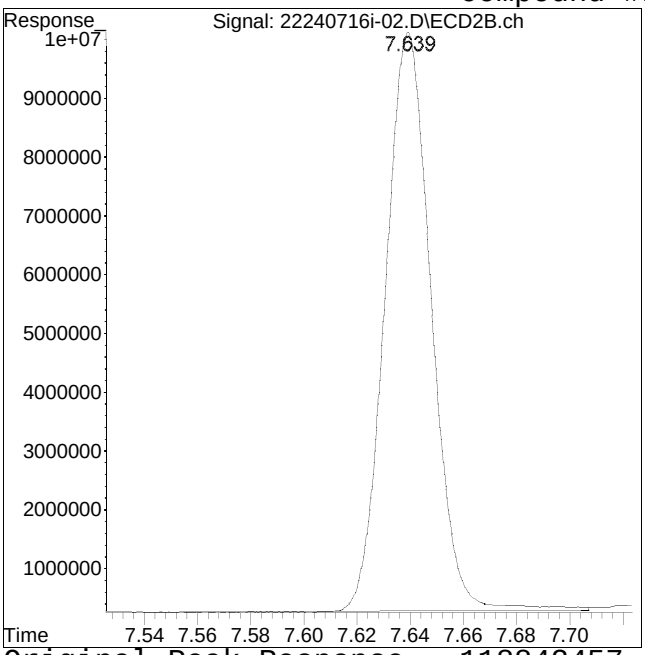


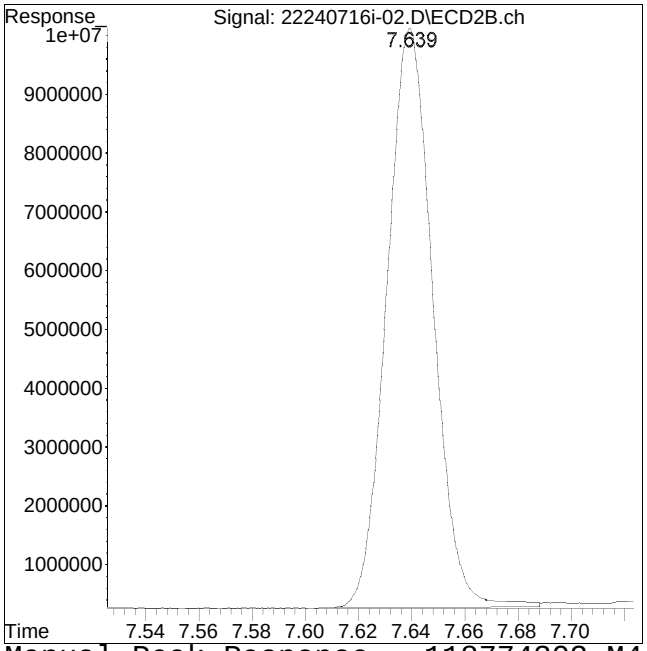
Original Peak Response = 117504260 Manual Peak Response = 116649562 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #17: Dicamba #2



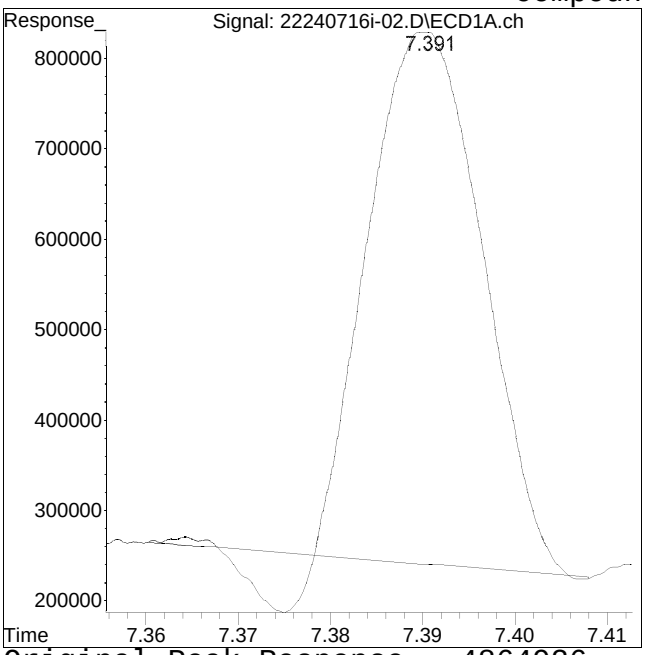


Original Peak Response = 118842457 Manual Peak Response = 118774303 M4
M4 = Poor automated baseline construction.

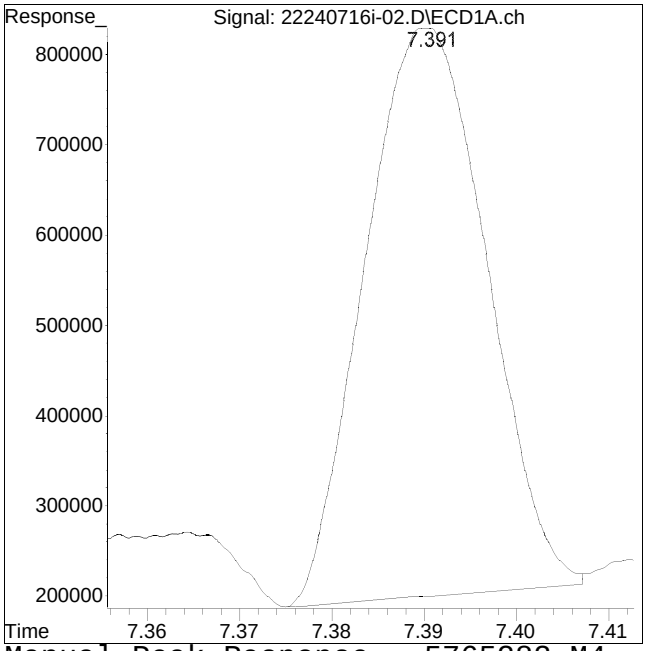
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #5: MCPP



Original Peak Response = 4864926



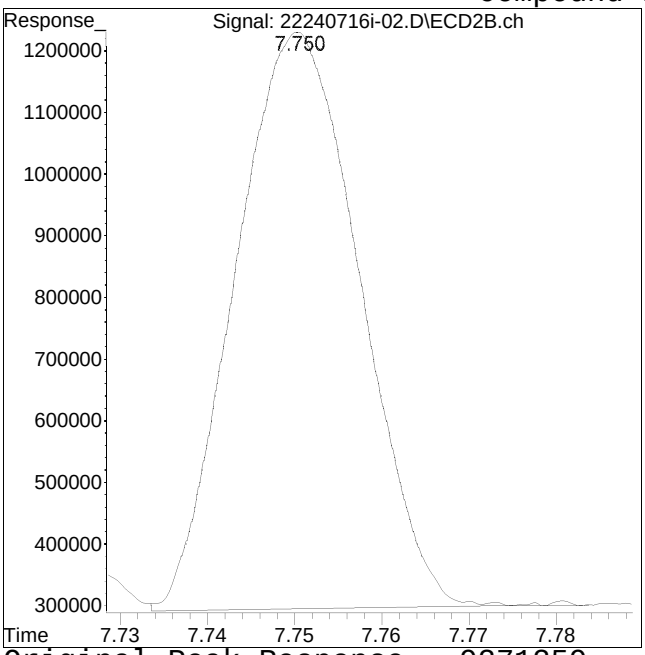
Manual Peak Response = 5765282 M4

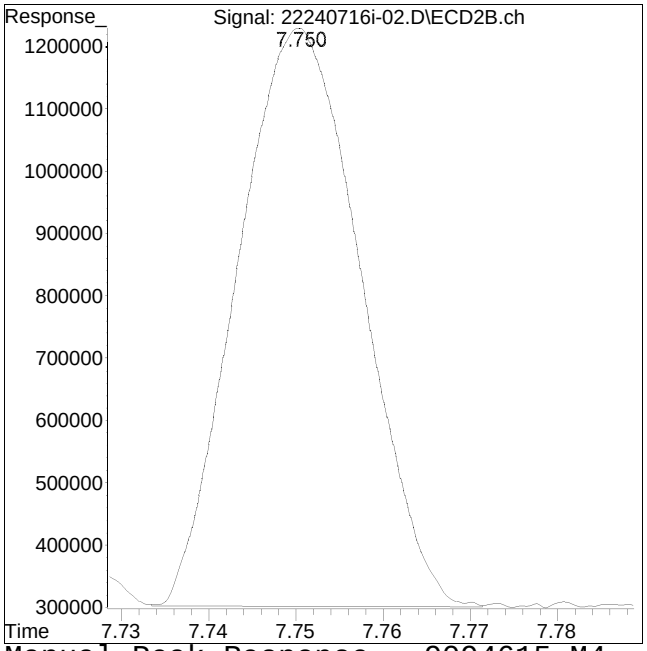
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #18: MCPP #2





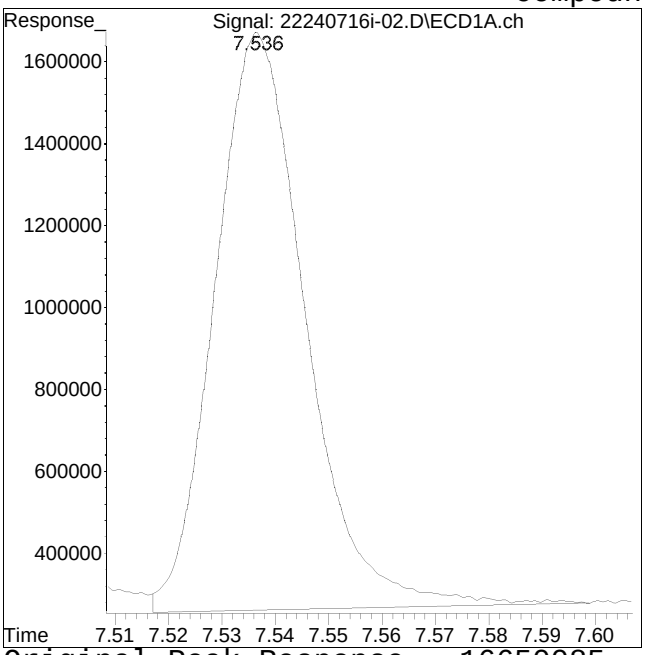
Original Peak Response = 9271259 Manual Peak Response = 9094615 M4
M4 = Poor automated baseline construction.

Manual Integration Report

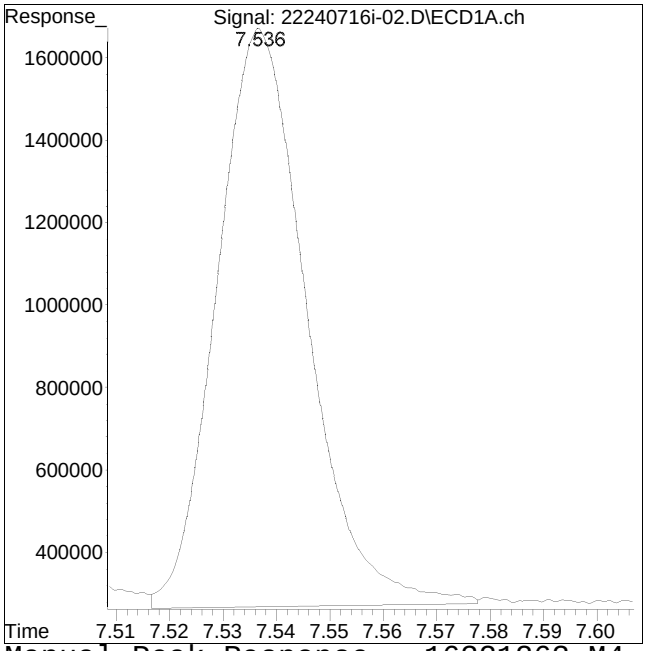
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #6: MCPA



Original Peak Response = 16650085



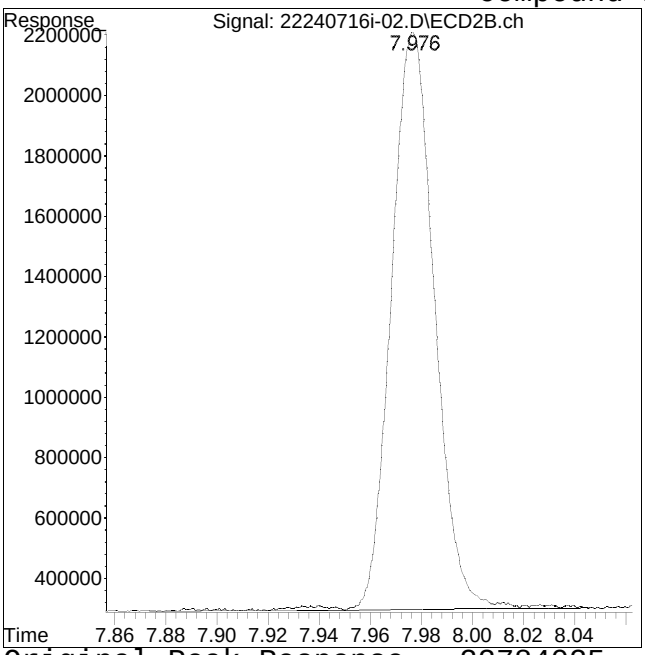
Manual Peak Response = 16321263 M4

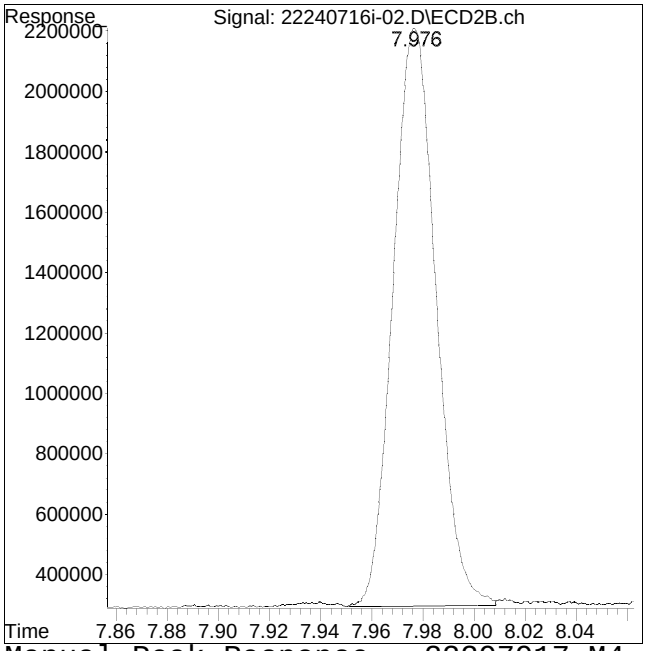
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #19: MCPA #2



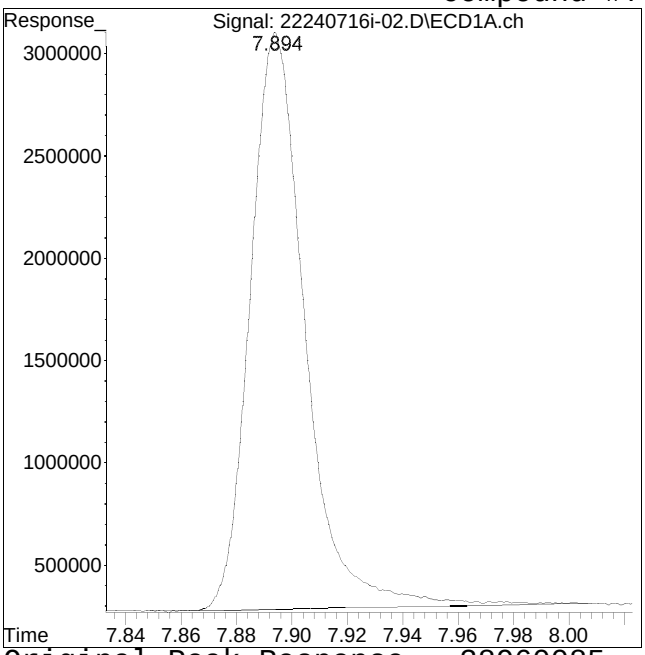


Original Peak Response = 22784025 Manual Peak Response = 22297917 M4
M4 = Poor automated baseline construction.

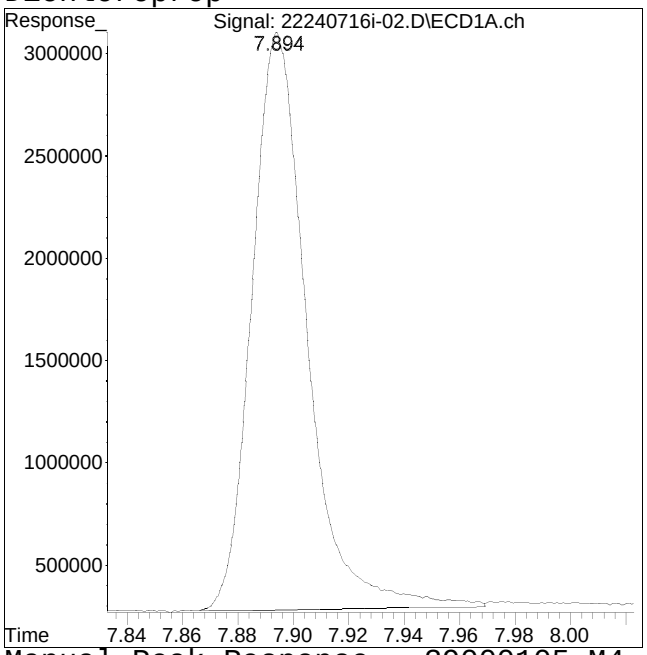
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #7: Dichloroprop



Original Peak Response = 38960085



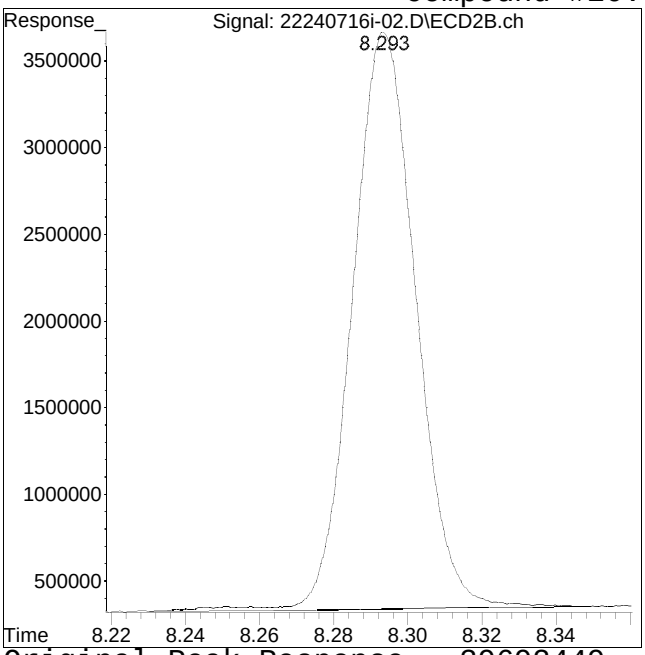
Manual Peak Response = 39000105 M4

M4 = Poor automated baseline construction.

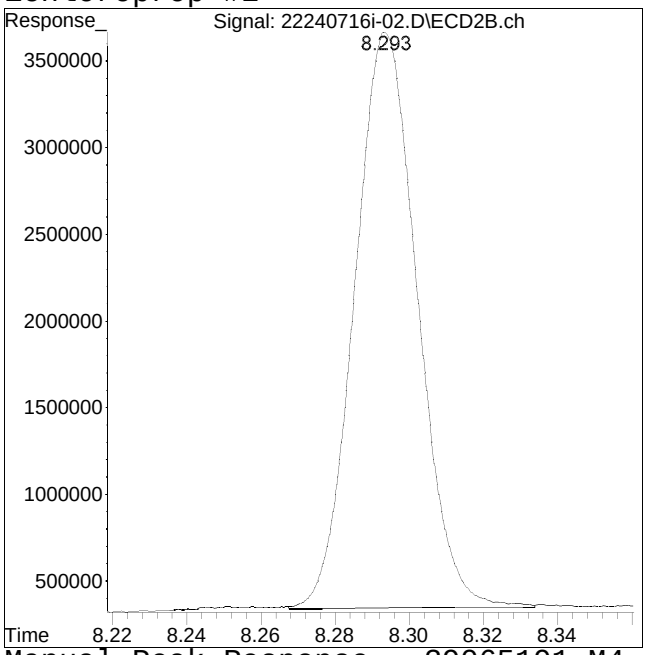
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #20: Dichloroprop #2



Original Peak Response = 39692449



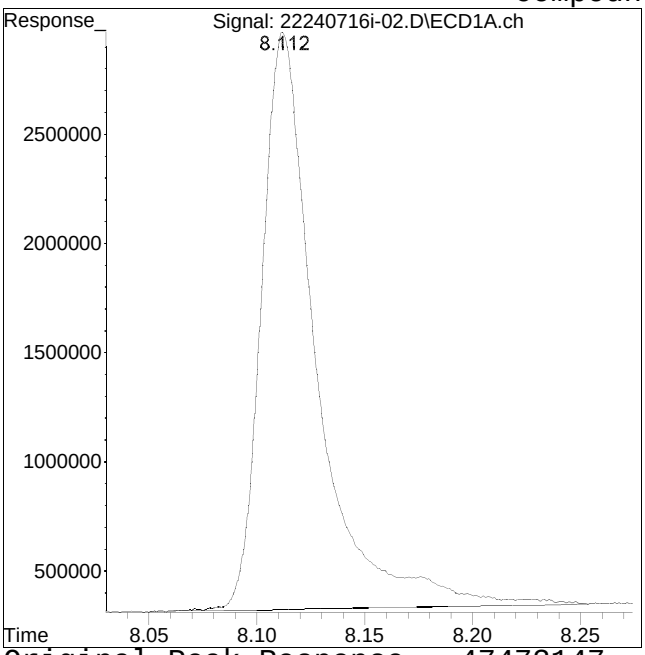
Manual Peak Response = 39065191 M4

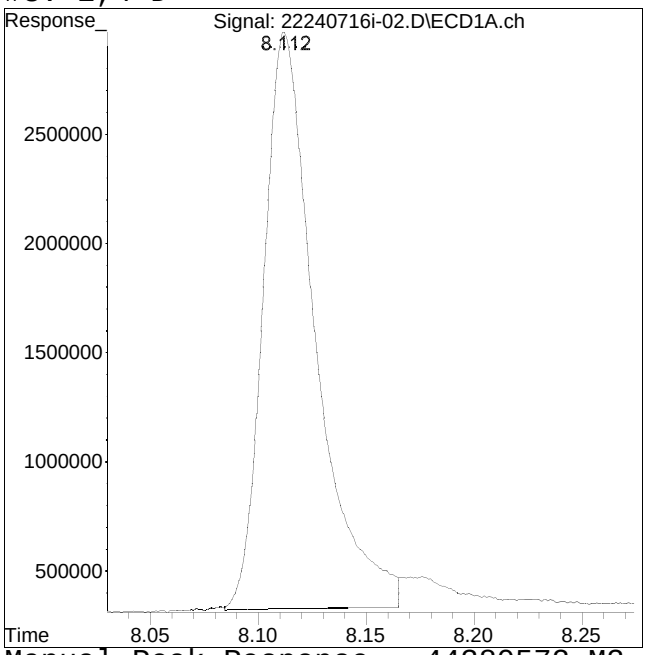
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #8: 2,4-D



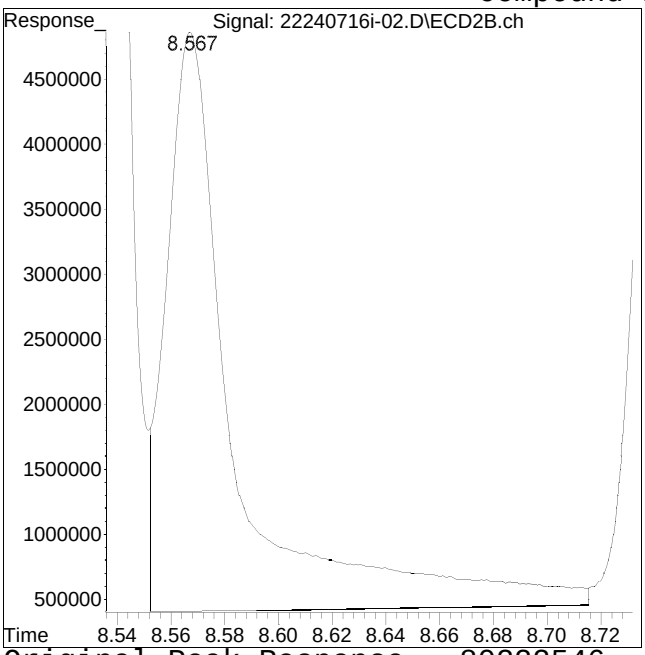


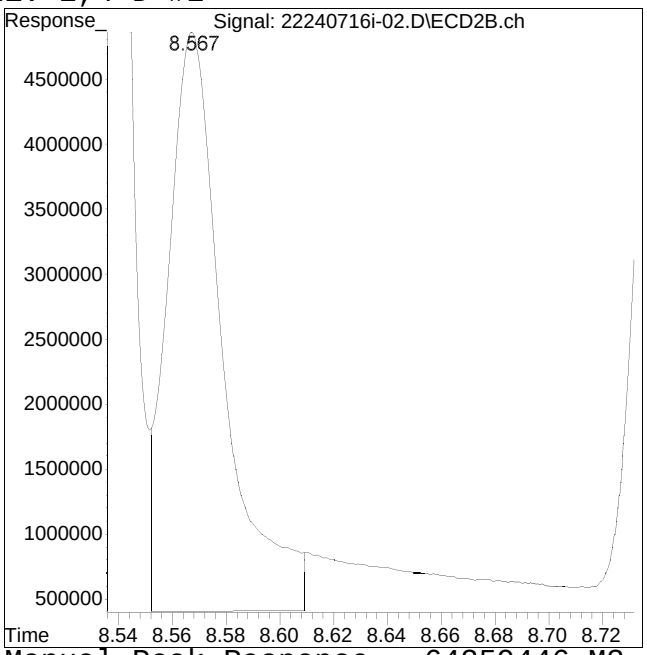
Original Peak Response = 47473147 Manual Peak Response = 44380572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #21: 2,4-D #2



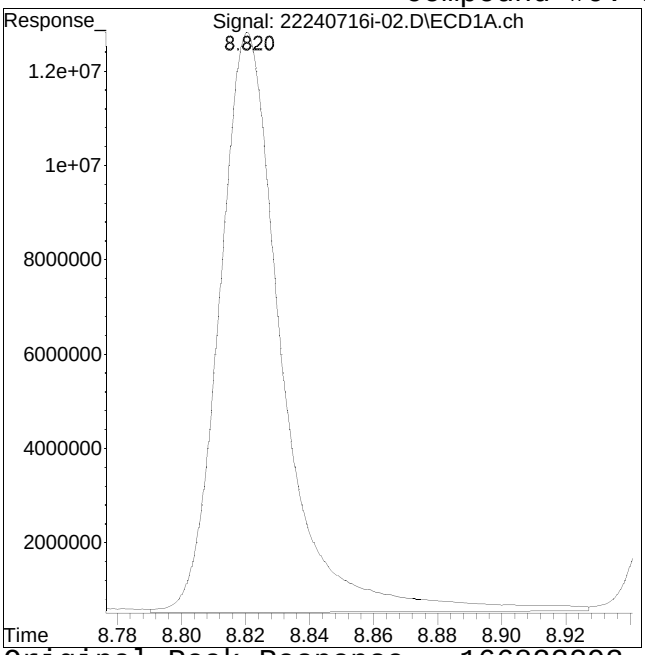


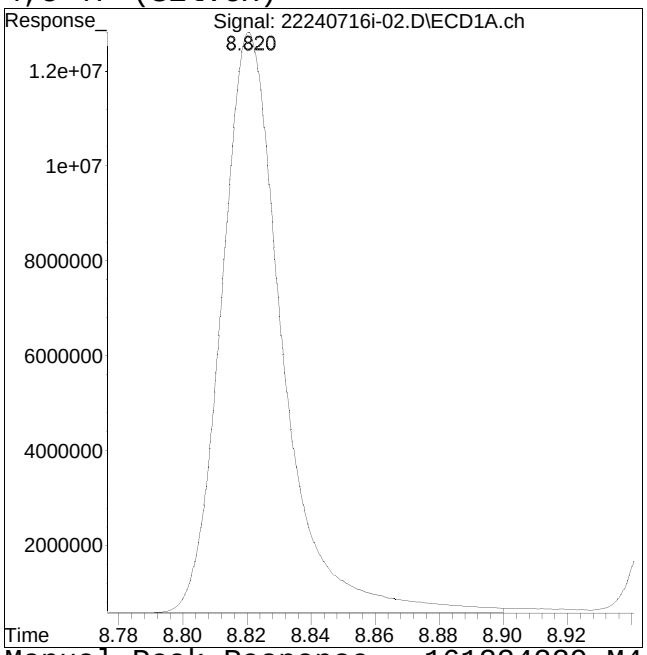
Original Peak Response = 80222546 Manual Peak Response = 64259446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #9: 2,4,5-TP (Silvex)



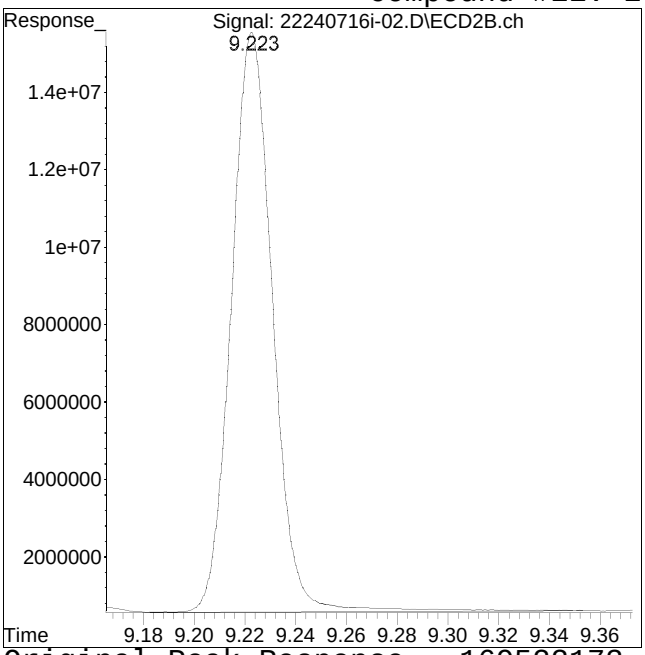


Original Peak Response = 166823293 Manual Peak Response = 161224229 M4
M4 = Poor automated baseline construction.

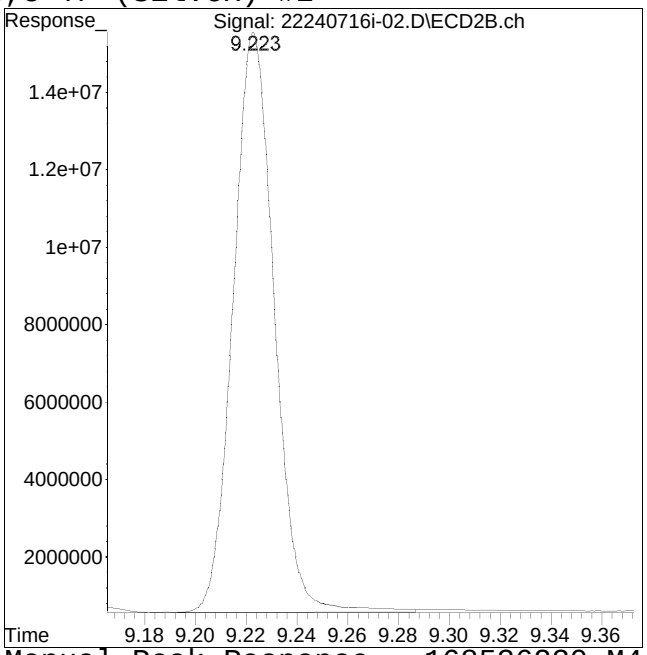
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 169522173



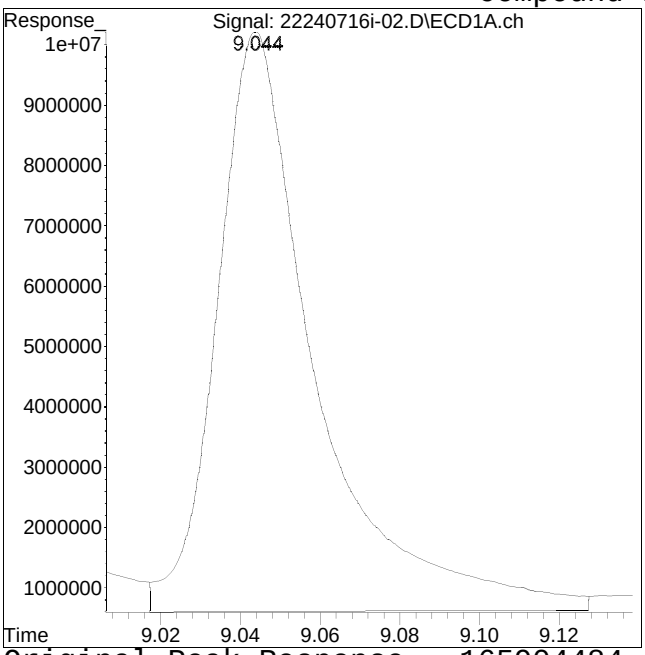
Manual Peak Response = 168536230 M4

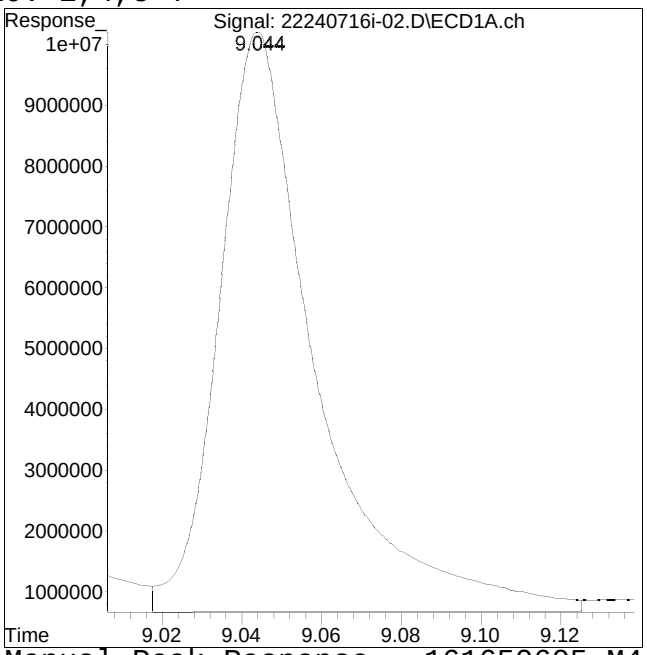
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #10: 2,4,5-T



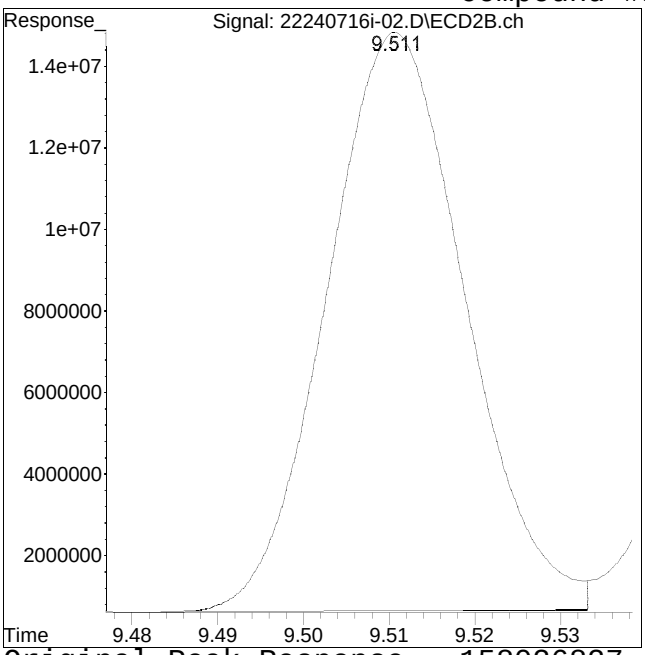


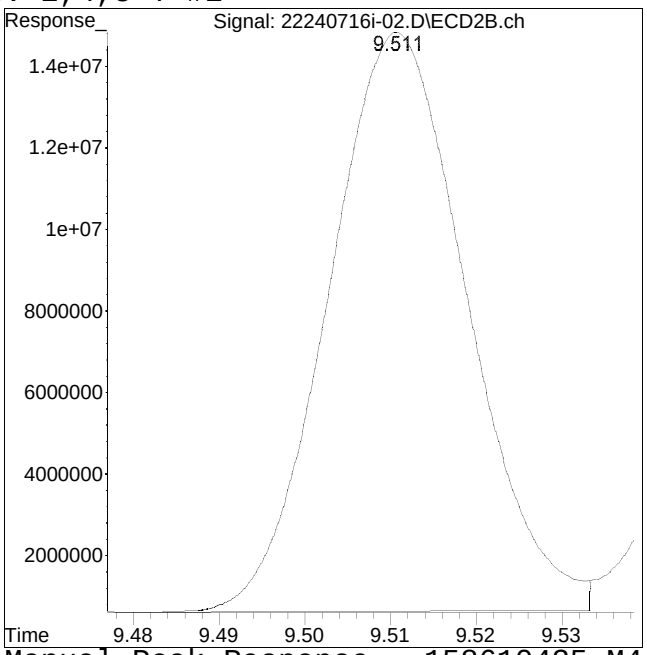
Original Peak Response = 165904484 Manual Peak Response = 161650605 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #23: 2,4,5-T #2



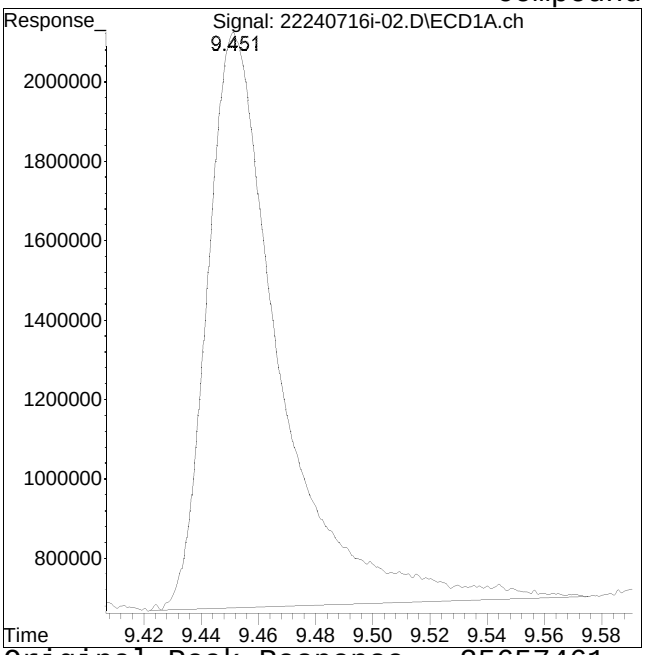


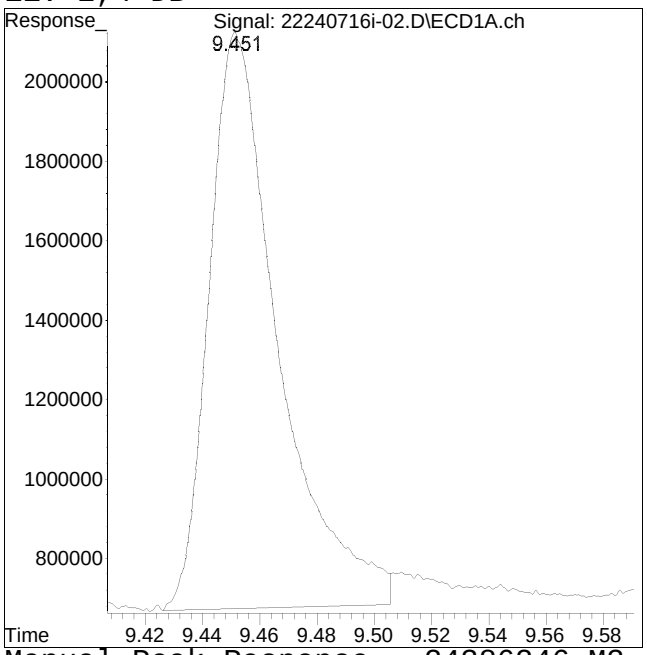
Original Peak Response = 158026827 Manual Peak Response = 158610435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #11: 2,4-DB



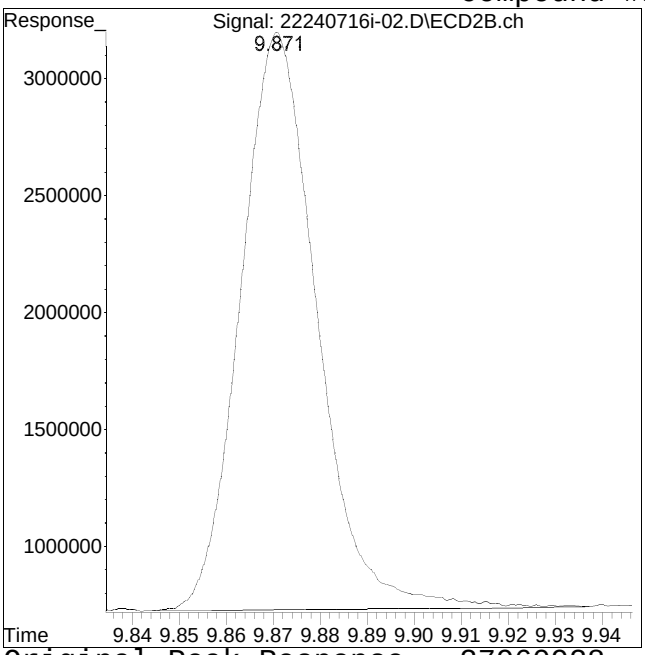


Original Peak Response = 25657461 Manual Peak Response = 24386246 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

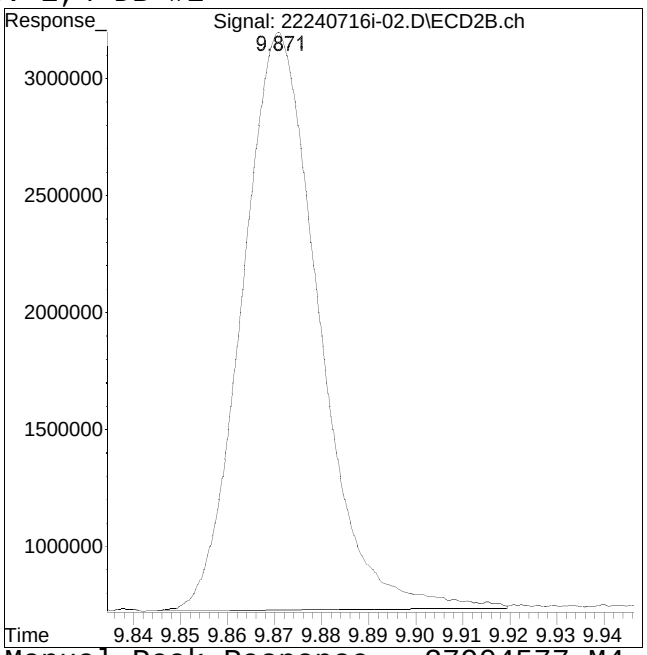
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #24: 2,4-DB #2



Original Peak Response = 27960928



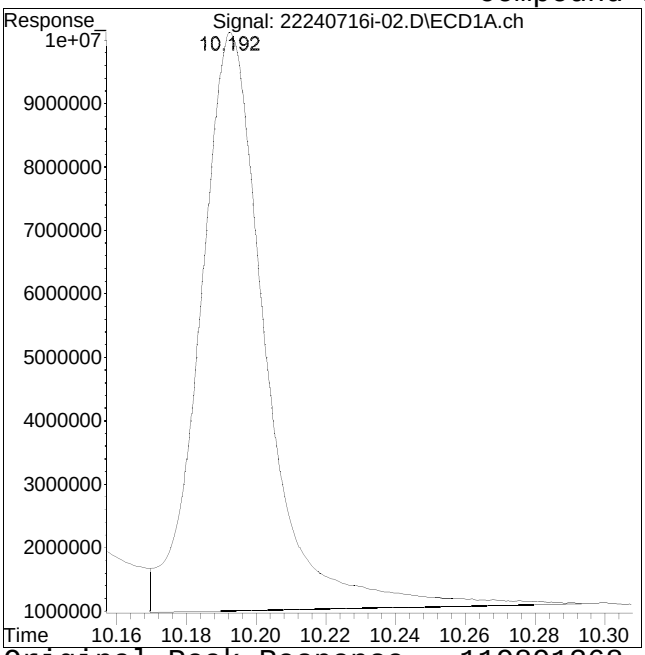
Manual Peak Response = 27904577 M4

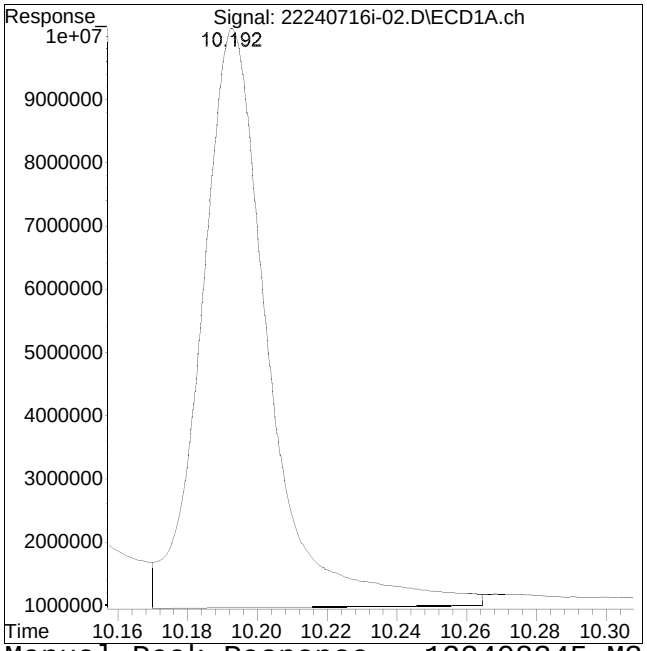
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #12: Dinoseb



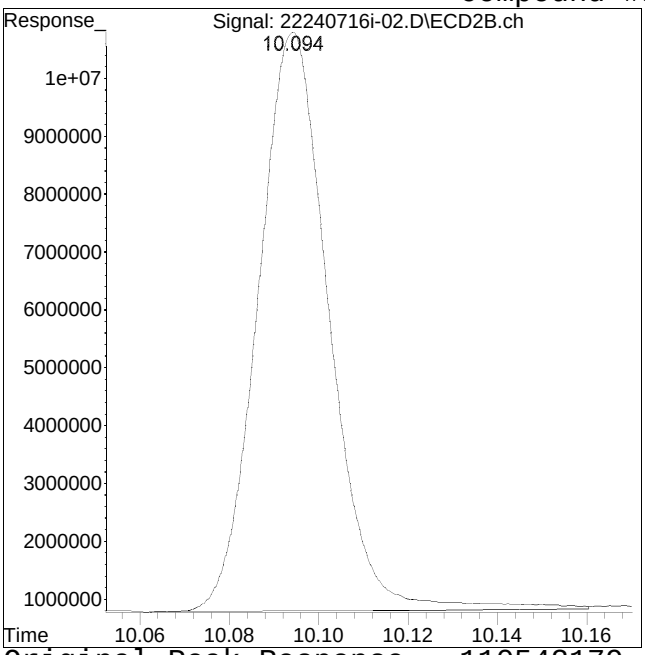


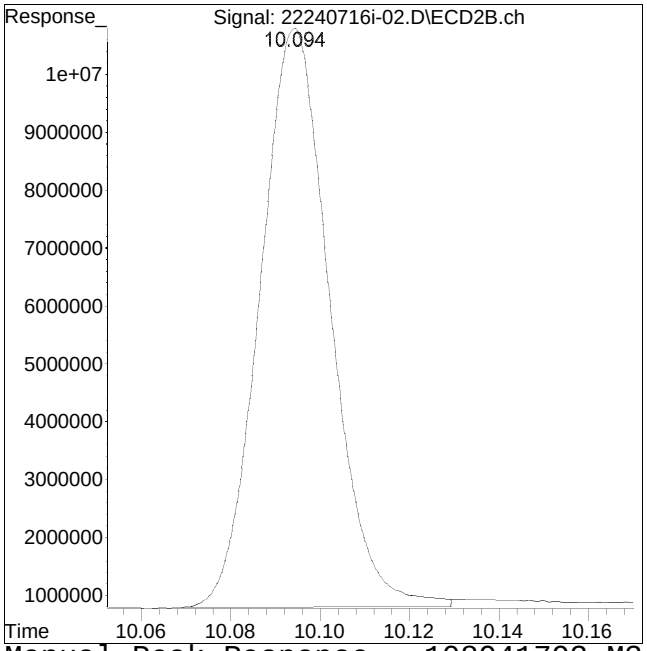
Original Peak Response = 119891368 Manual Peak Response = 122408345 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #25: Dinoseb #2





Original Peak Response = 110542179 Manual Peak Response = 108941793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.546	8.526	918.5E6	936.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.007	7.459	75863528	78124435	0.116M4	0.118M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	23.20%#	23.60%#
		Target Compounds						
2)	t	Dalapon	2.414	2.402	85745829	88051472	0.111M3	0.119M3
4)	t	Dicamba	7.188	7.639	220.0E6	223.3E6	0.115M4	0.112M4
5)	t	MCPP	7.388	7.750	14143065	20270945	7.959	8.901M4
6)	t	MCPA	7.534	7.976	32410581	40968503	10.750M4	11.191M4
7)	t	Dichloroprop	7.891	8.294	71294841	71521276	0.119M4	0.115M4
8)	t	2,4-D	8.107	8.567	84022340	117.4E6	0.113M4	0.143M3
9)	t	2,4,5-TP (Si	8.818	9.223	309.7E6	319.6E6	0.111M4	0.111M3
10)	t	2,4,5-T	9.040	9.511	312.6E6	301.3E6	0.111M3	0.110
11)	t	2,4-DB	9.448	9.871	46810778	51679888	0.115M4	0.113
12)	t	Dinoseb	10.191	10.094	229.0E6	206.3E6	0.116M3	0.112M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

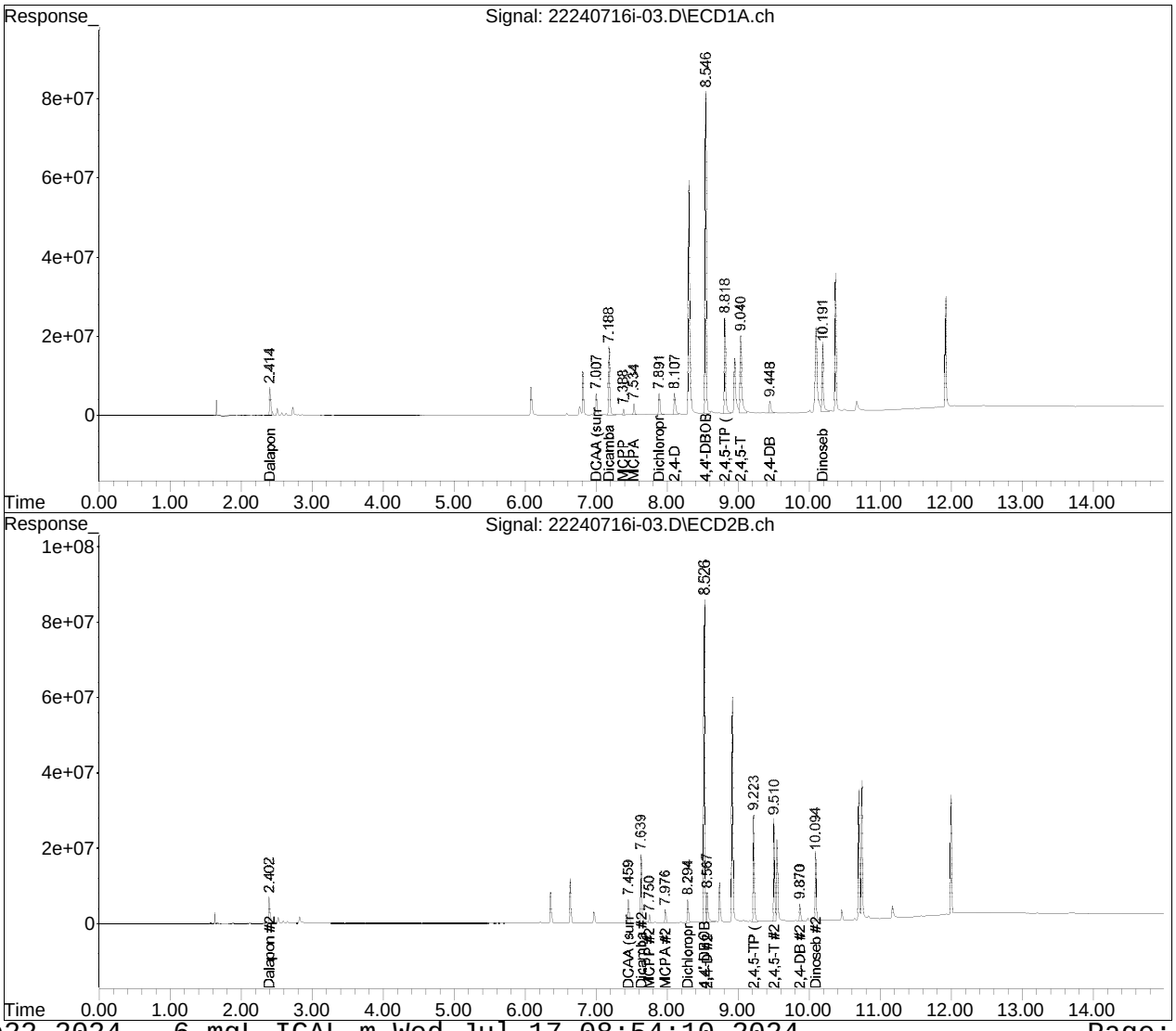
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

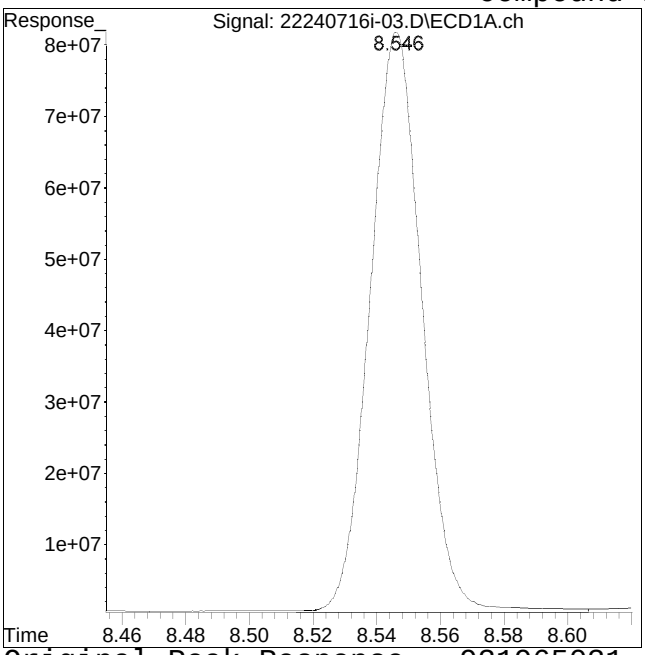
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

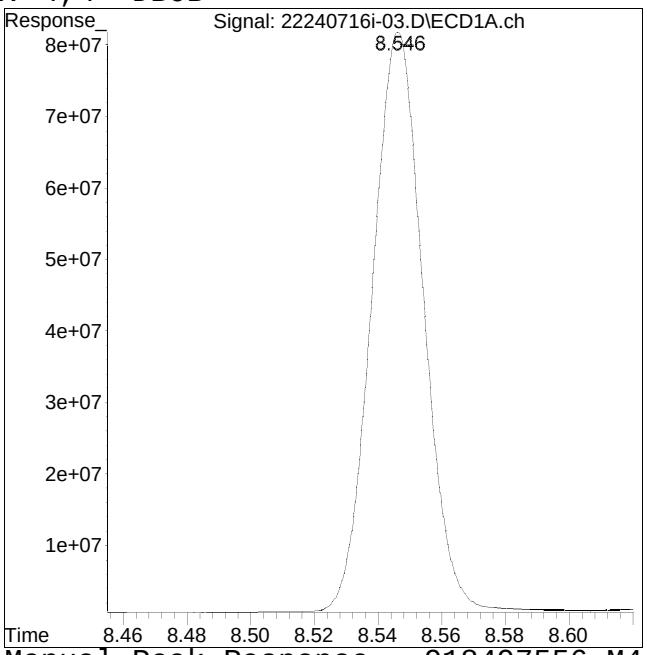


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #1: 4,4'-DBOB



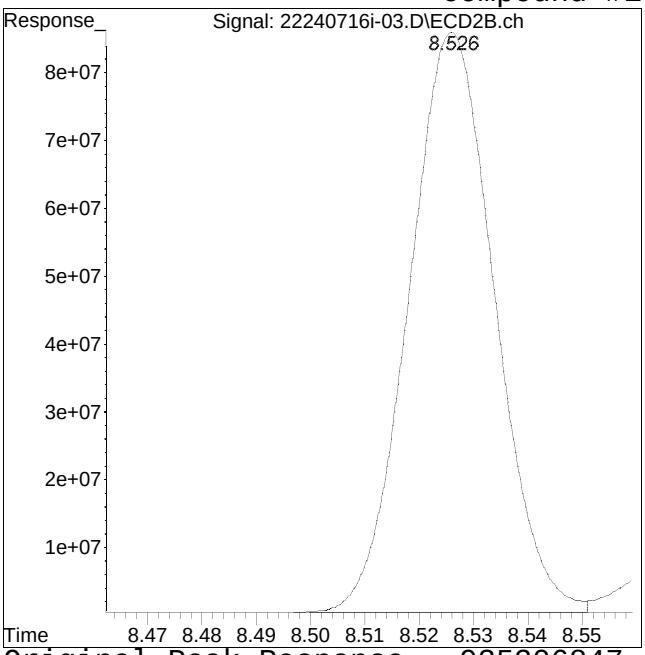


Original Peak Response = 931965031 Manual Peak Response = 918497556 M4
M4 = Poor automated baseline construction.

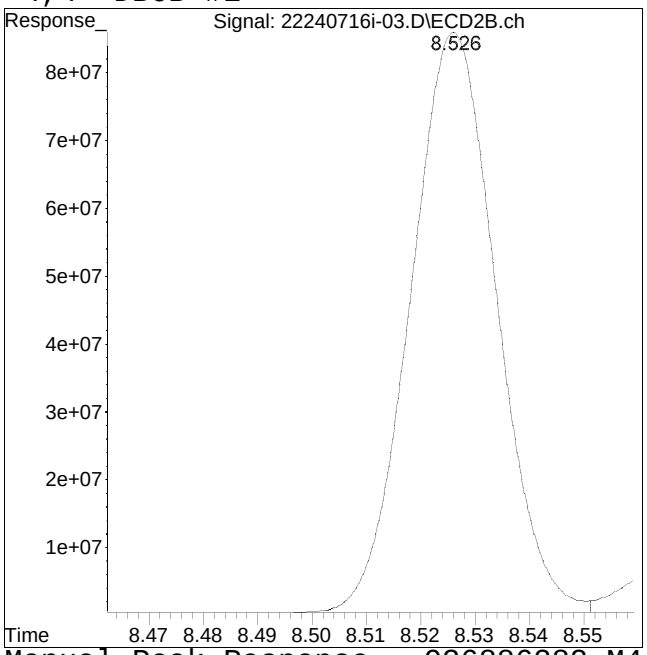
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 935306847



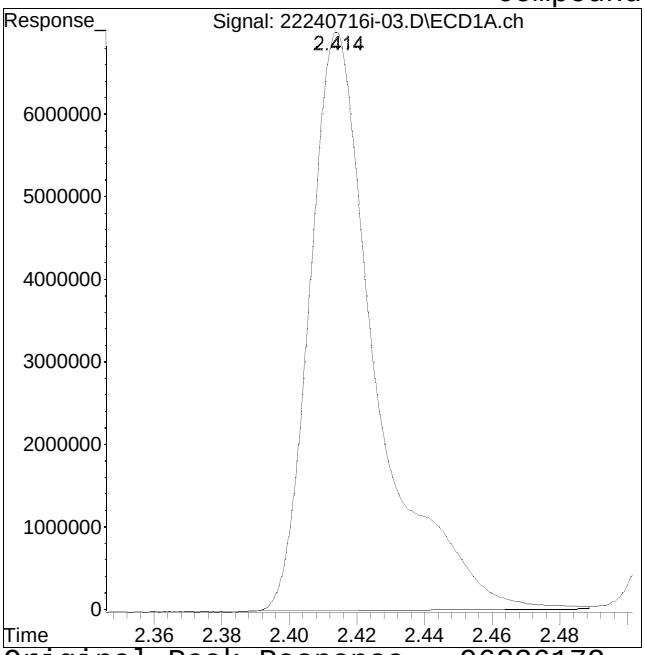
Manual Peak Response = 936886282 M4

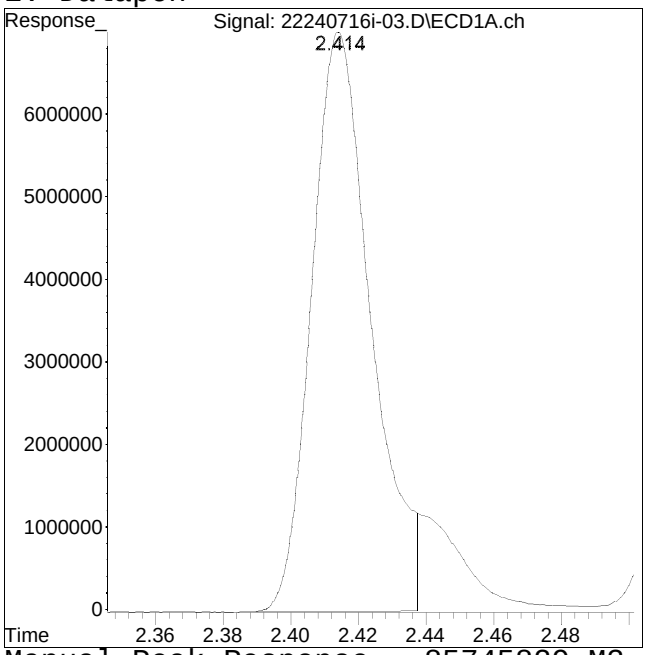
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #2: Dalapon



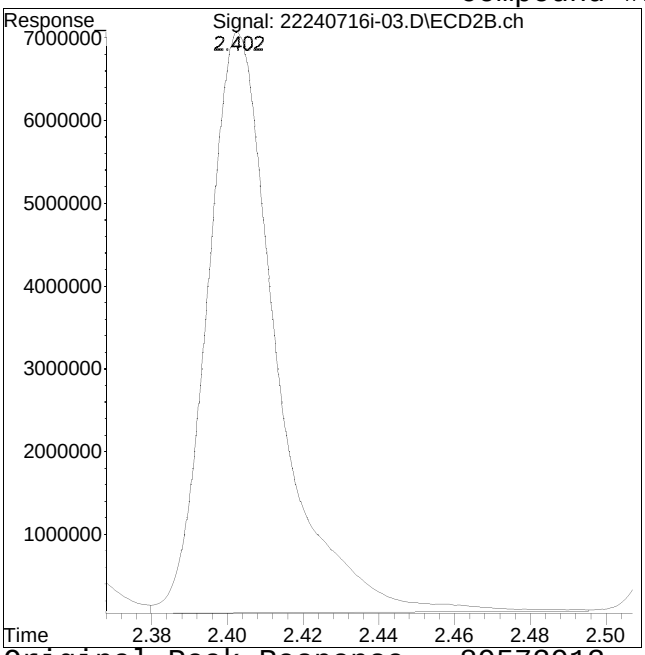


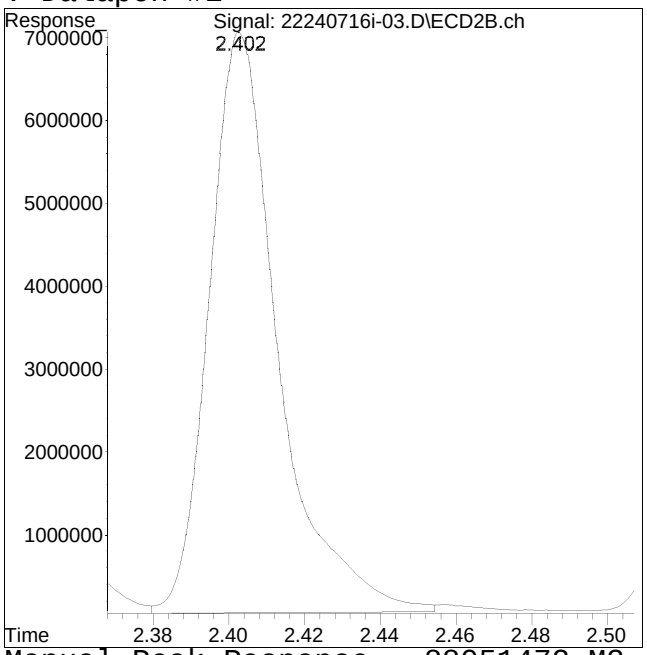
Original Peak Response = 96236172 Manual Peak Response = 85745829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #15: Dalapon #2



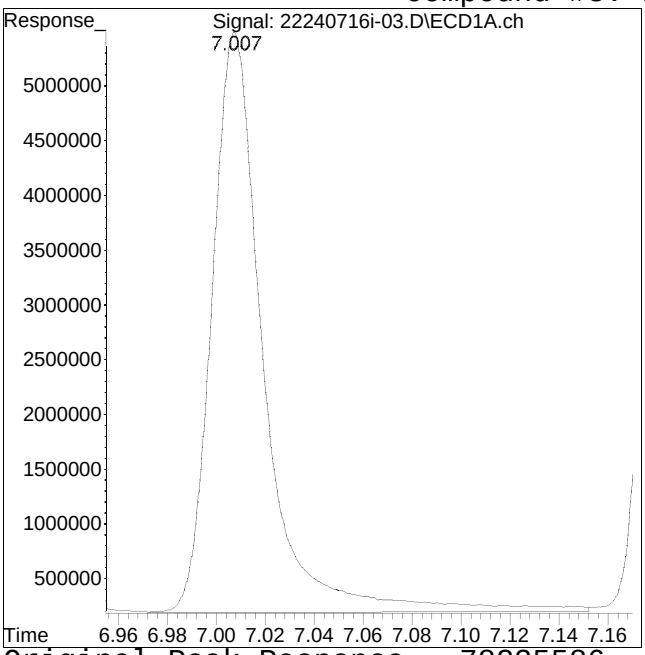


Original Peak Response = 89573913 Manual Peak Response = 88051472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

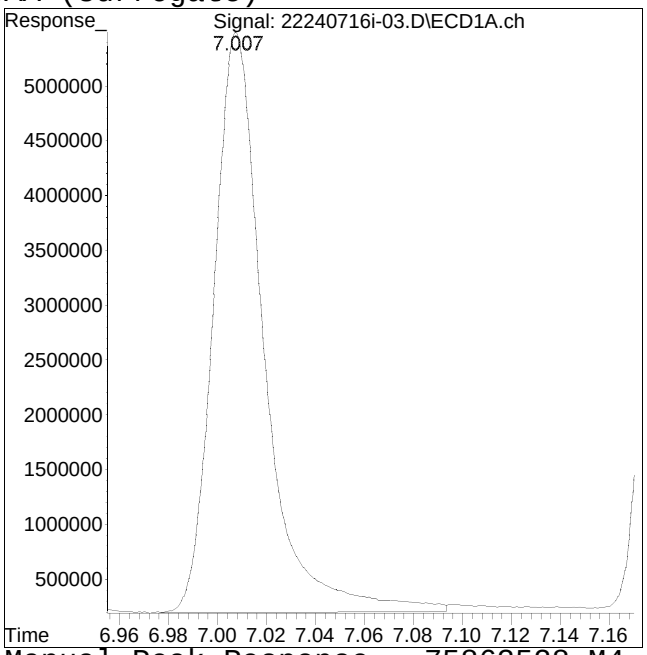
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 78235586



Manual Peak Response = 75863528 M4

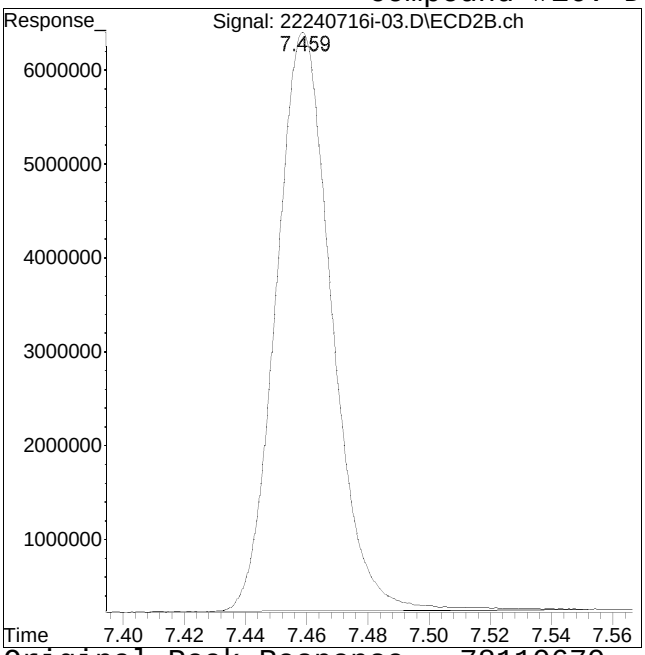
M4 = Poor automated baseline construction.

Manual Integration Report

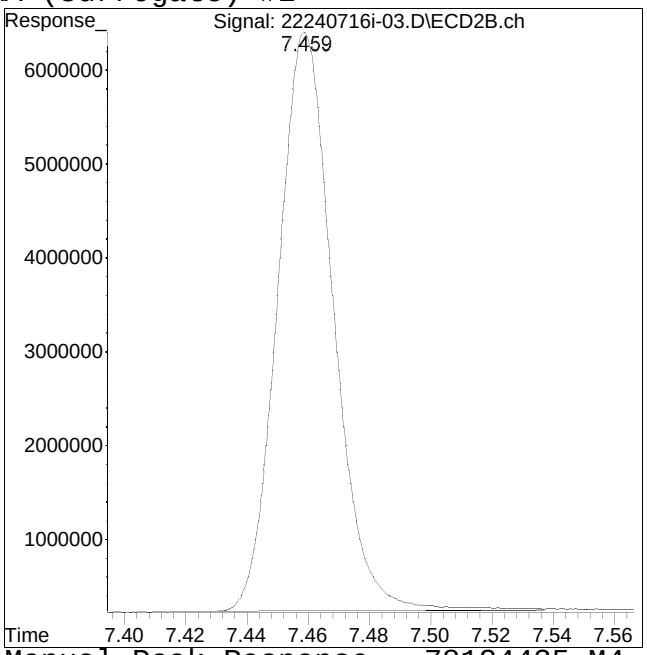
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 78110670



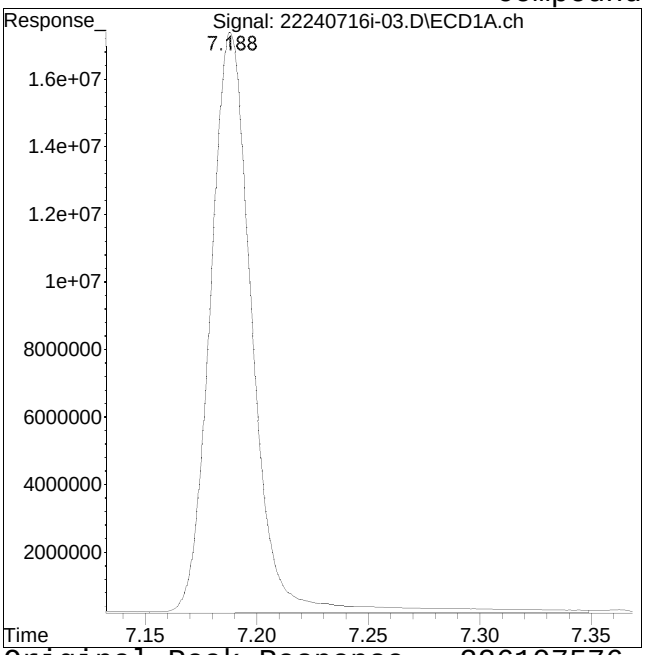
Manual Peak Response = 78124435 M4

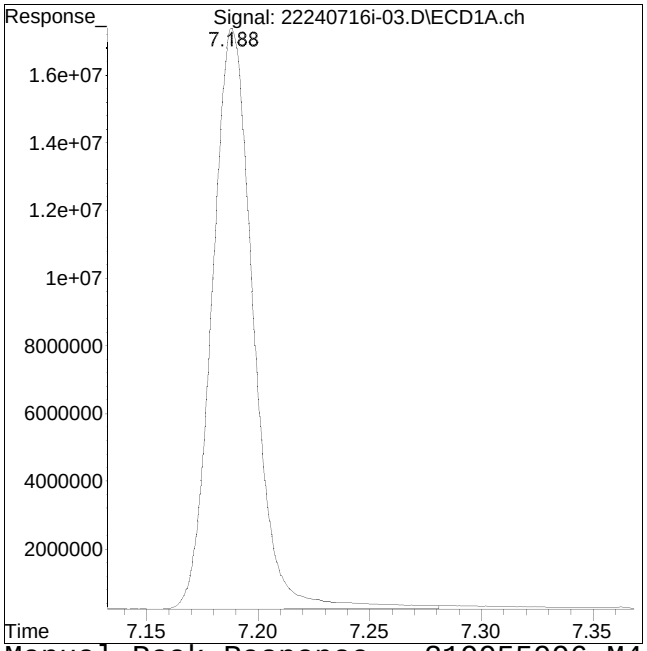
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #4: Dicamba



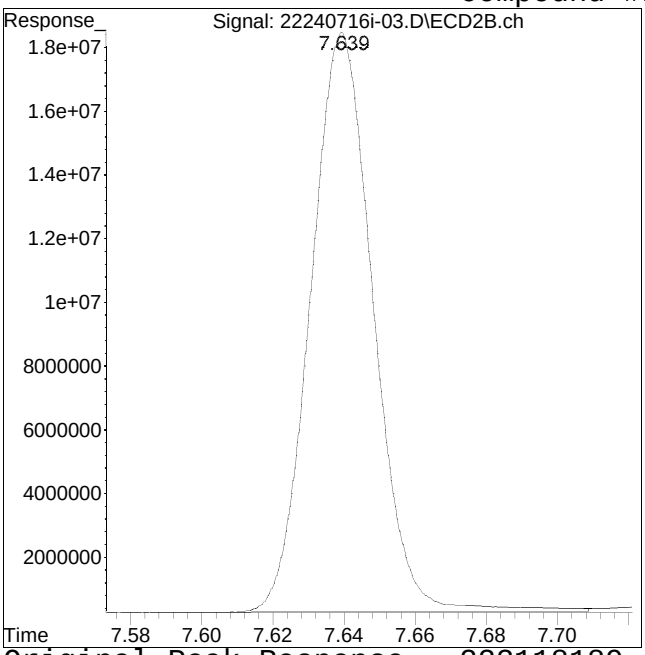


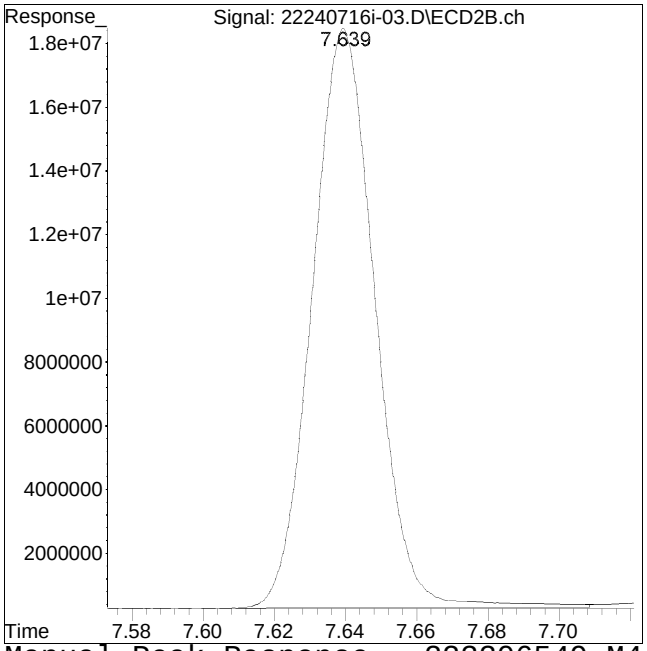
Original Peak Response = 226107576 Manual Peak Response = 219955996 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #17: Dicamba #2



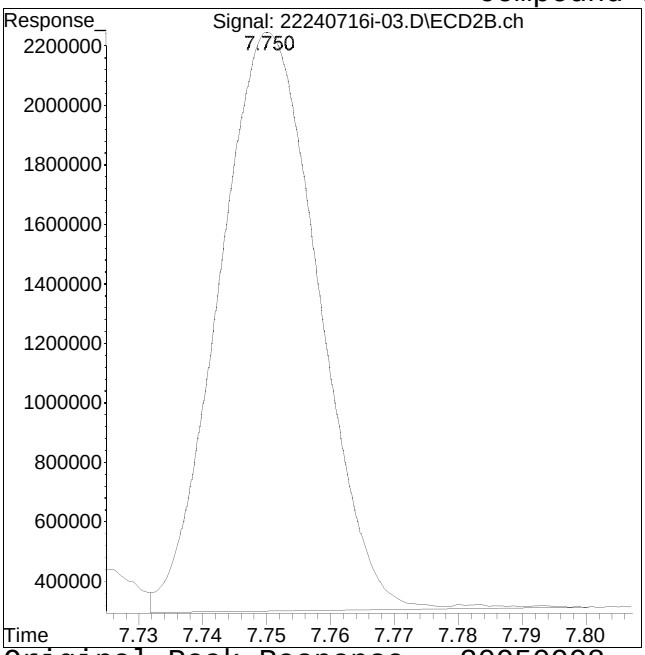


Original Peak Response = 223118189 Manual Peak Response = 223306549 M4
M4 = Poor automated baseline construction.

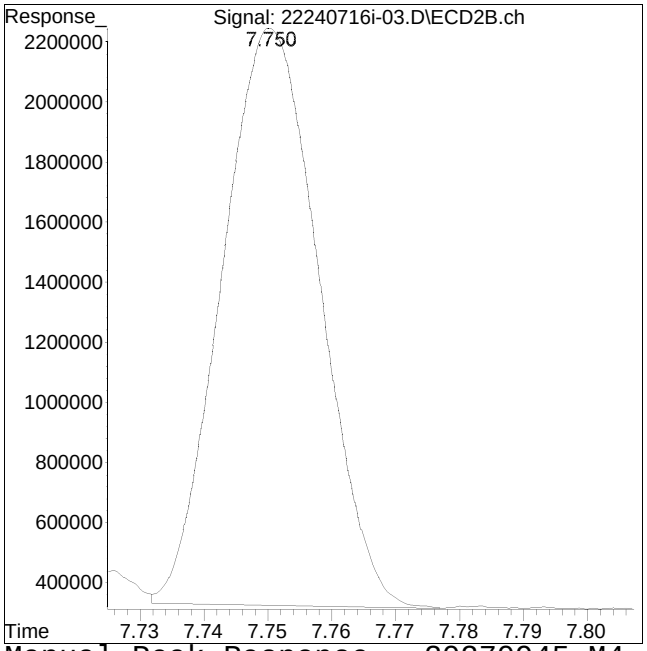
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #18: MCPP #2



Original Peak Response = 20950998



Manual Peak Response = 20270945 M4

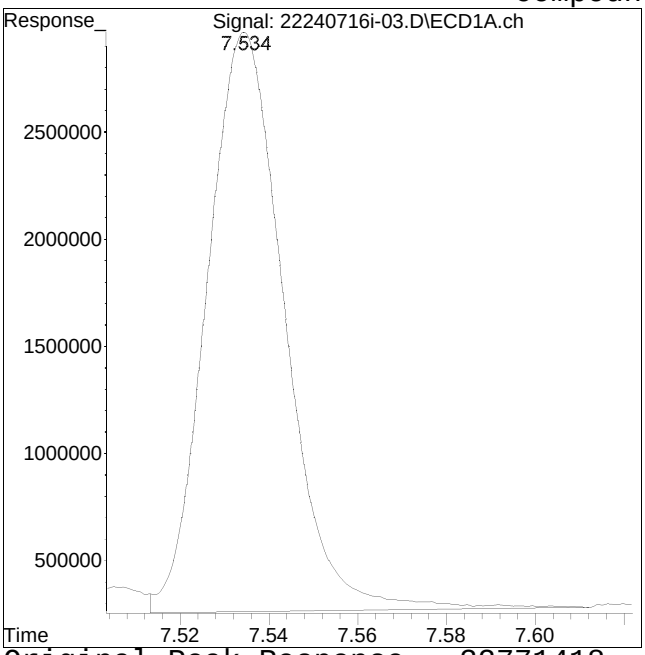
M4 = Poor automated baseline construction.

Manual Integration Report

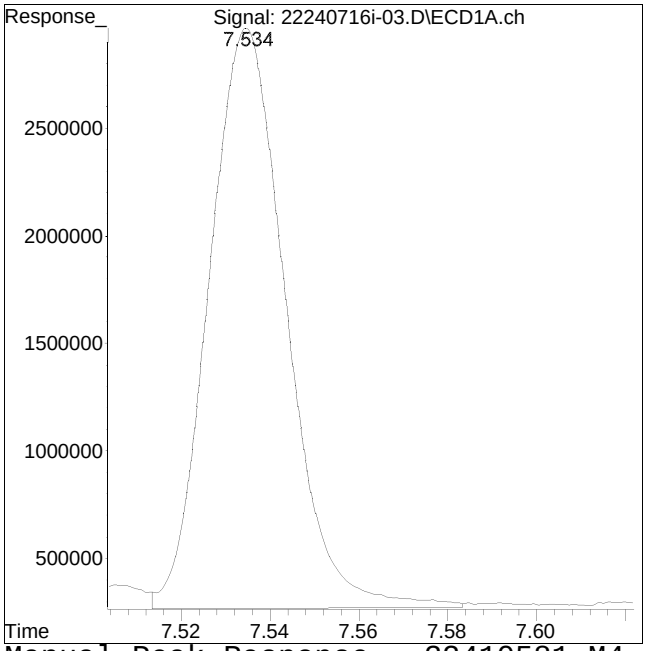
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #6: MCPA



Original Peak Response = 32771418



Manual Peak Response = 32410581 M4

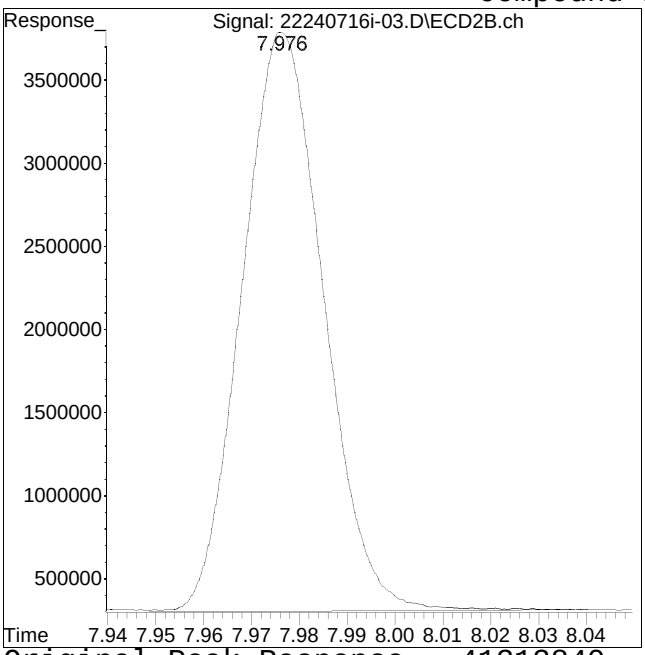
M4 = Poor automated baseline construction.

Manual Integration Report

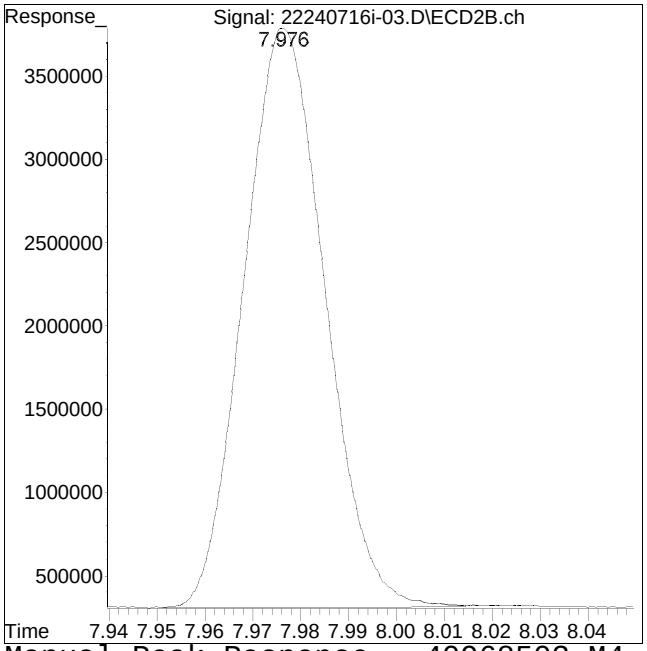
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #19: MCPA #2



Original Peak Response = 41313840



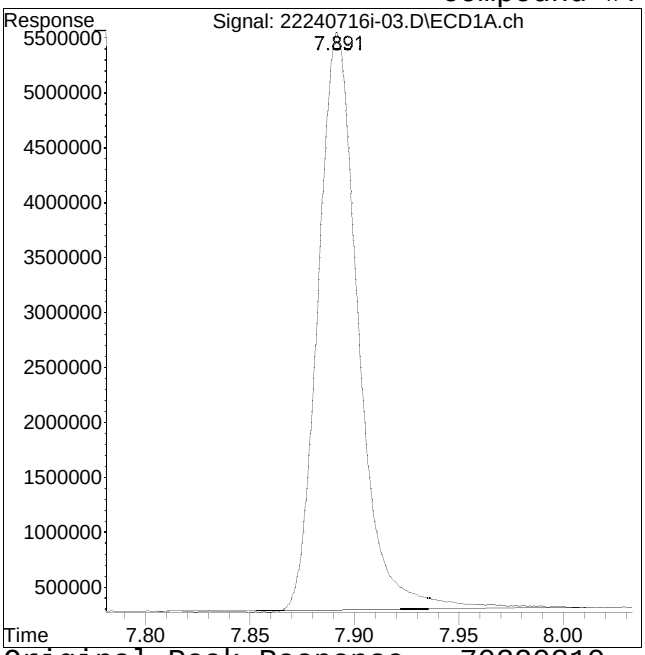
Manual Peak Response = 40968503 M4

M4 = Poor automated baseline construction.

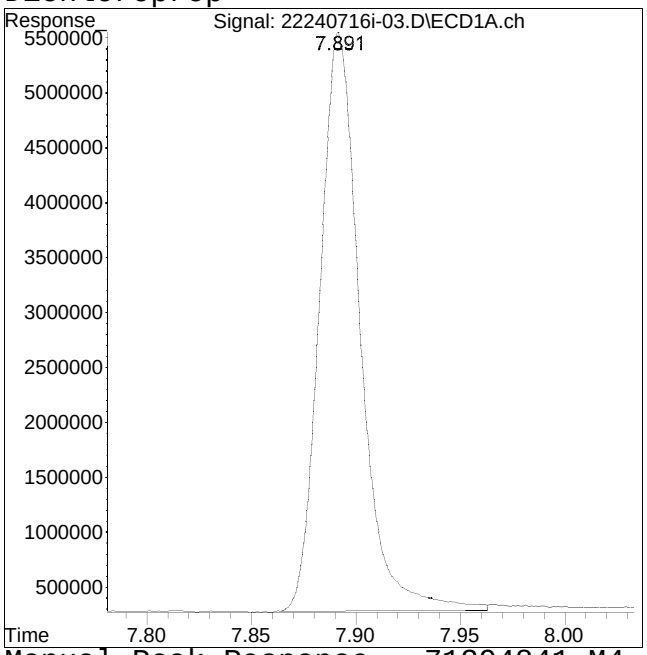
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #7: Dichloroprop



Original Peak Response = 70320310



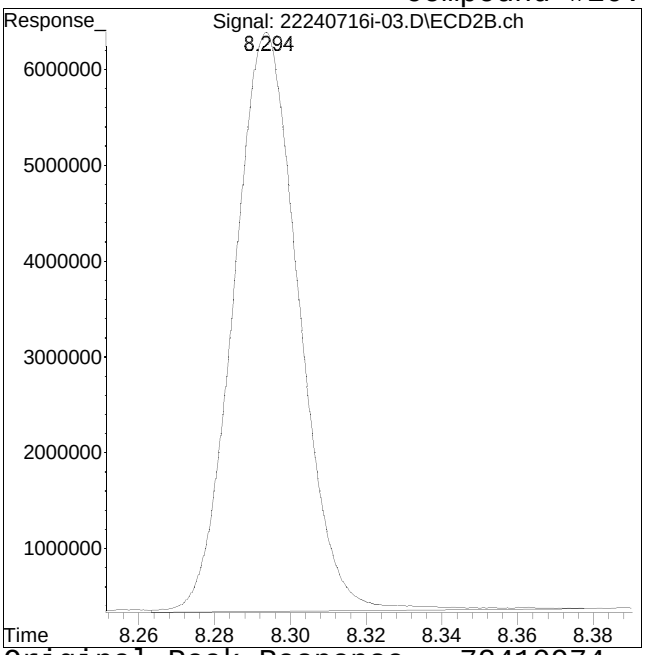
Manual Peak Response = 71294841 M4

M4 = Poor automated baseline construction.

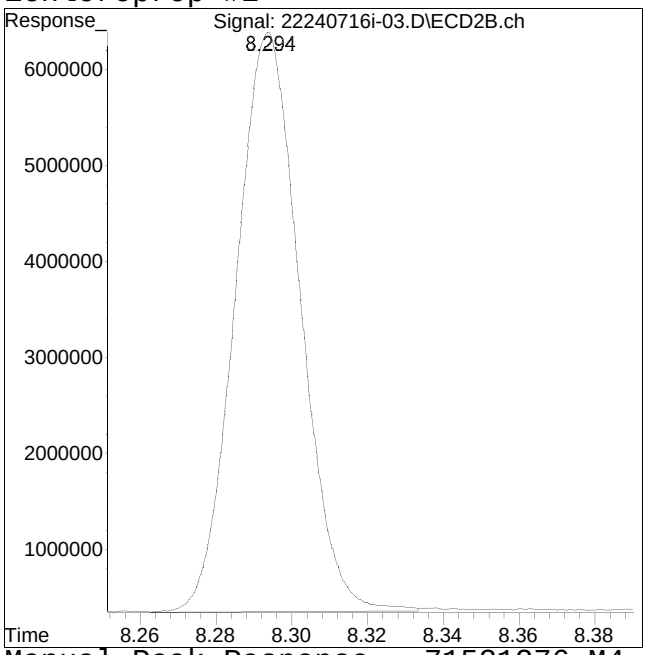
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #20: Dichloroprop #2



Original Peak Response = 72410974



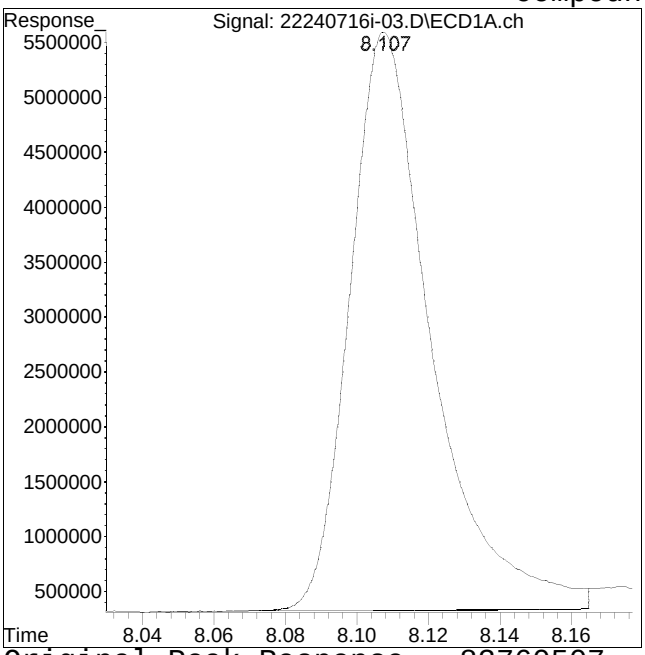
Manual Peak Response = 71521276 M4

M4 = Poor automated baseline construction.

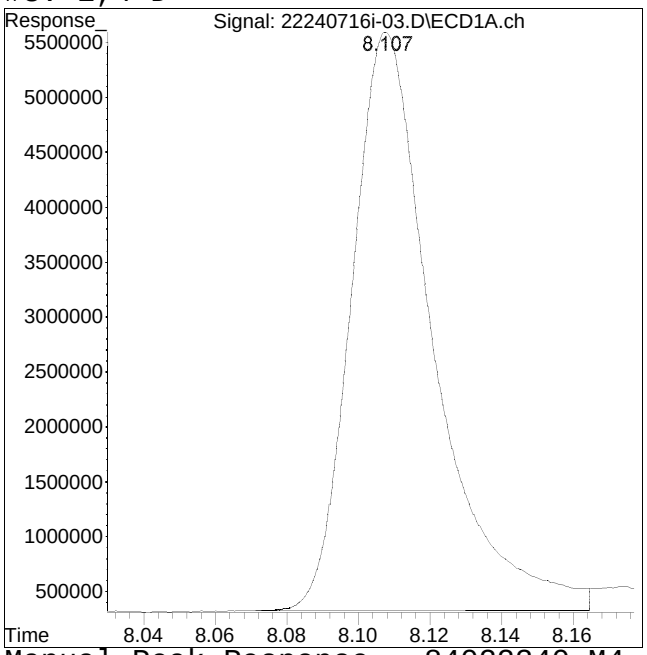
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #8: 2,4-D



Original Peak Response = 83760507



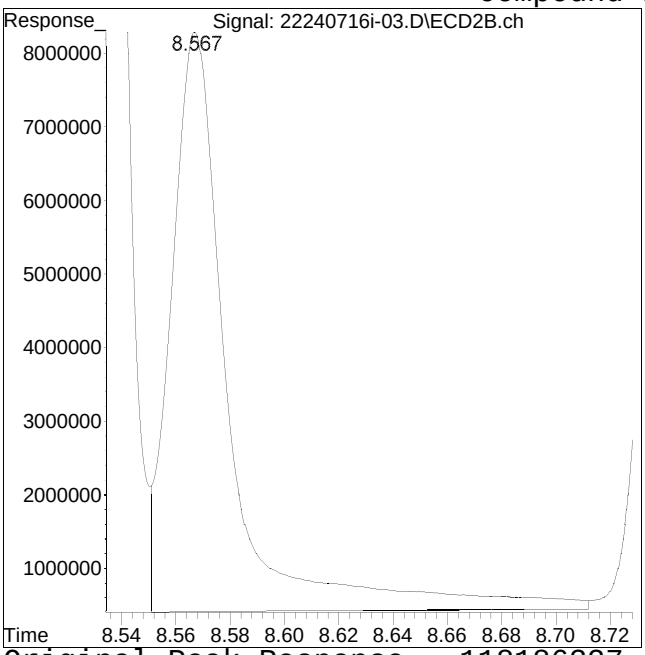
Manual Peak Response = 84022340 M4

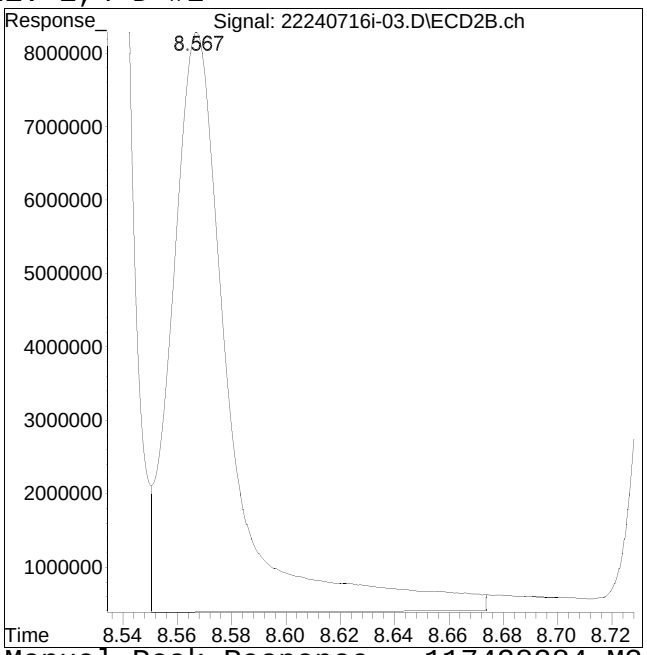
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #21: 2,4-D #2



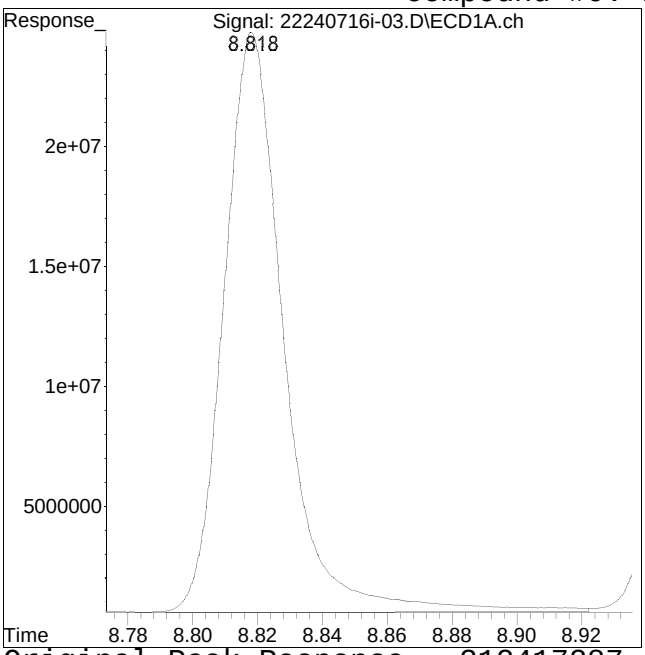


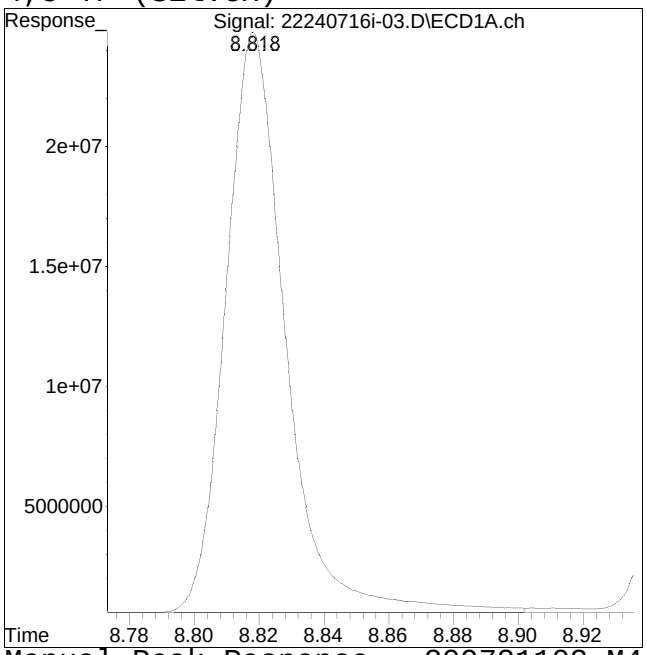
Original Peak Response = 118186327 Manual Peak Response = 117428284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #9: 2,4,5-TP (Silvex)



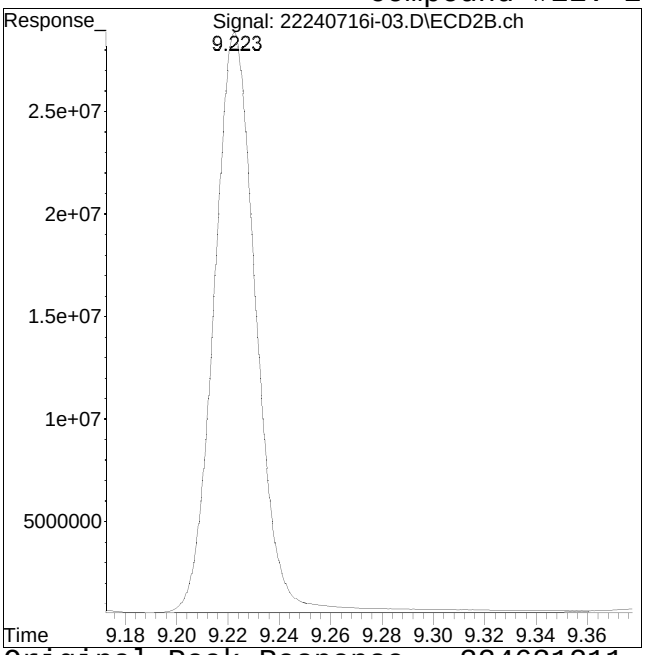


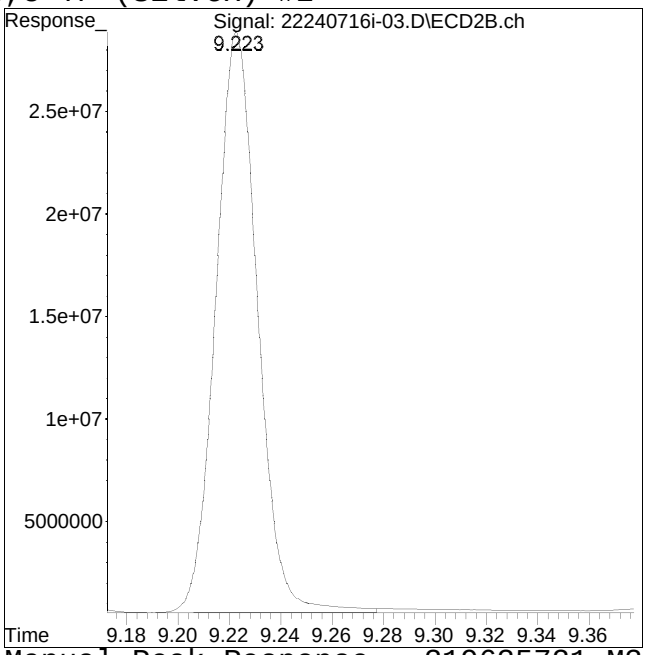
Original Peak Response = 312417287 Manual Peak Response = 309721102 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #22: 2,4,5-TP (Silvex) #2



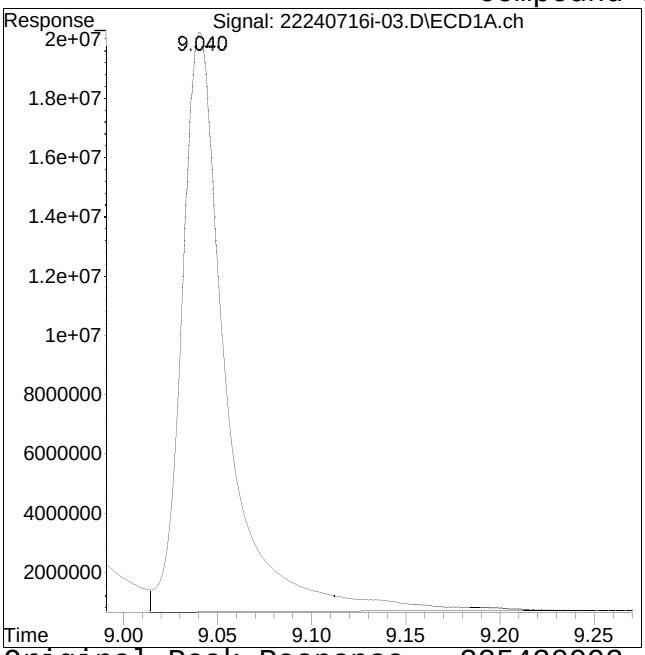


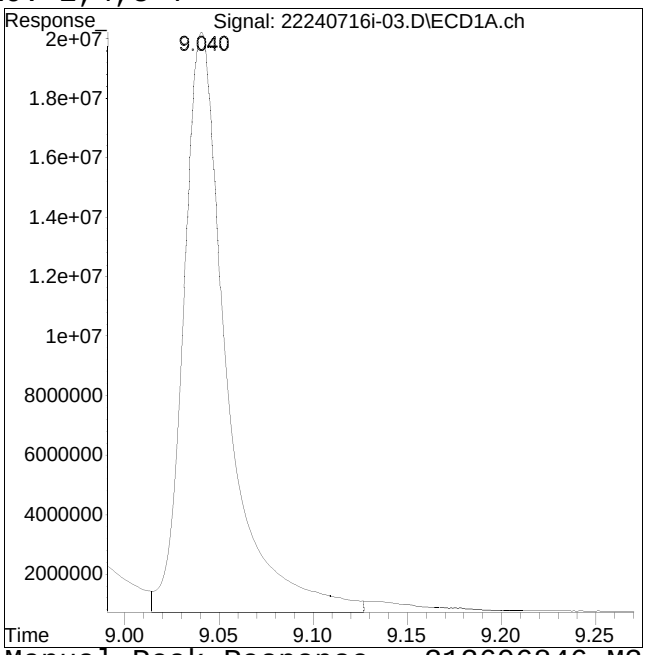
Original Peak Response = 324631211 Manual Peak Response = 319635721 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #10: 2,4,5-T



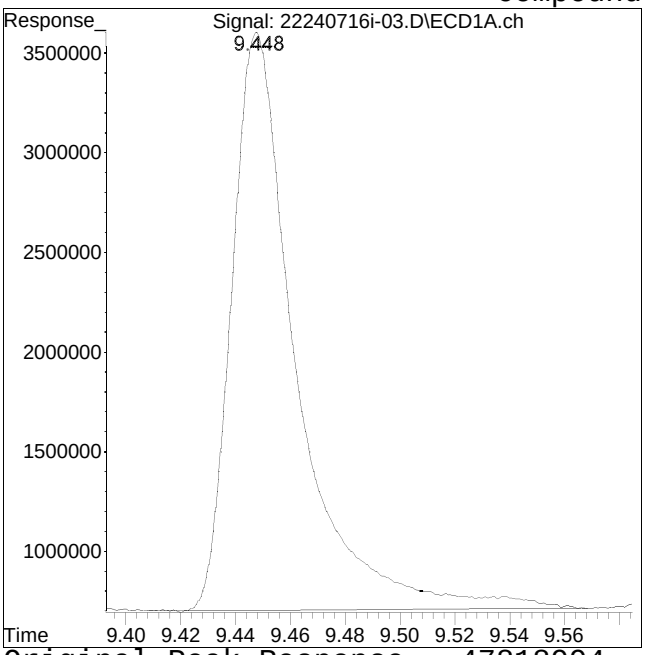


Original Peak Response = 325430993 Manual Peak Response = 312606846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

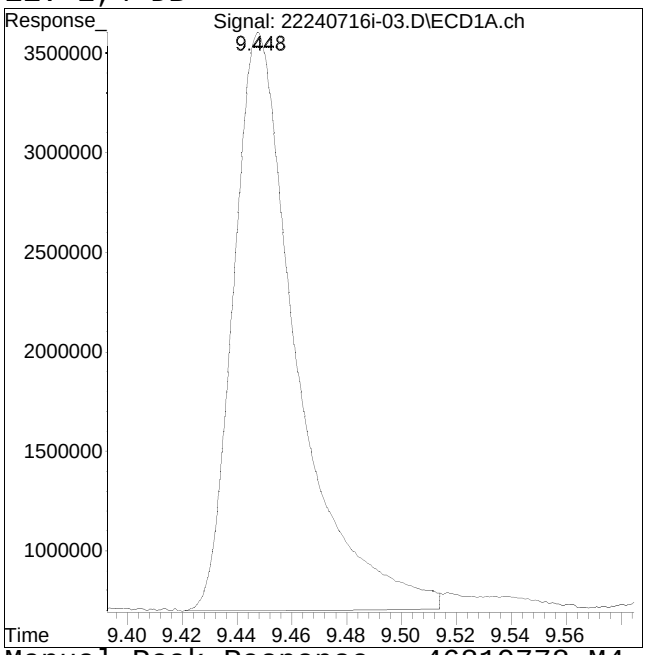
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #11: 2,4-DB



Original Peak Response = 47818994



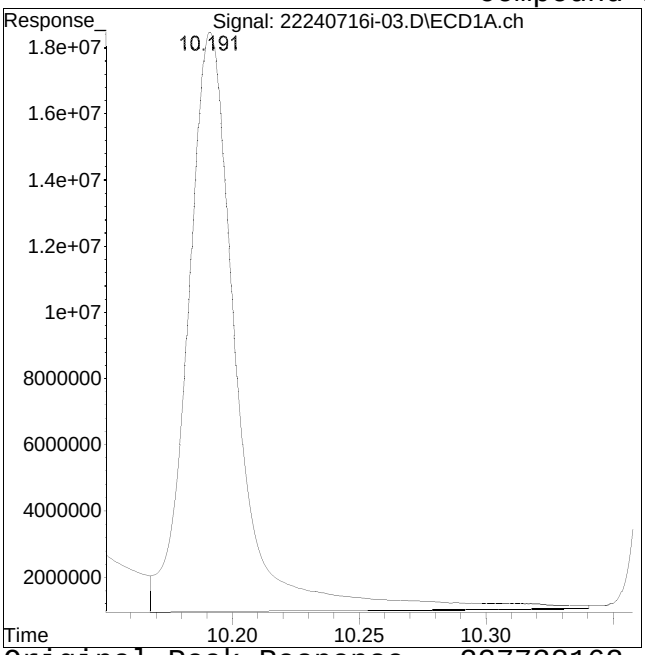
Manual Peak Response = 46810778 M4

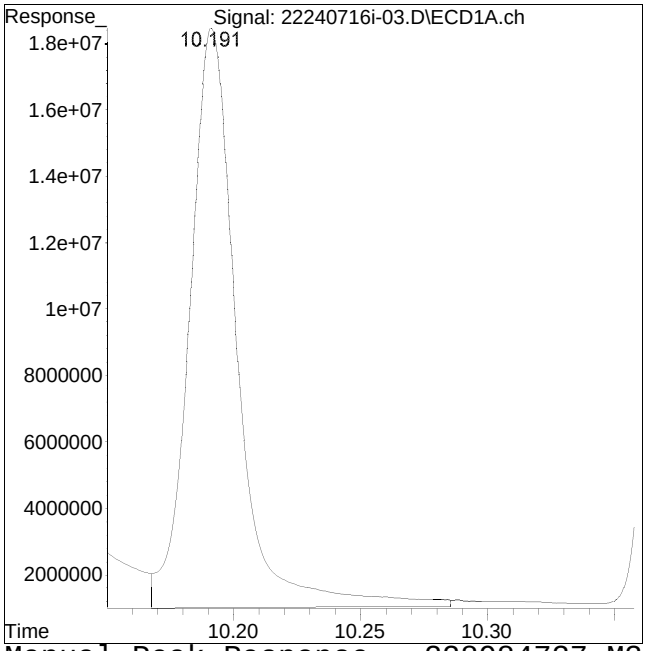
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #12: Dinoseb



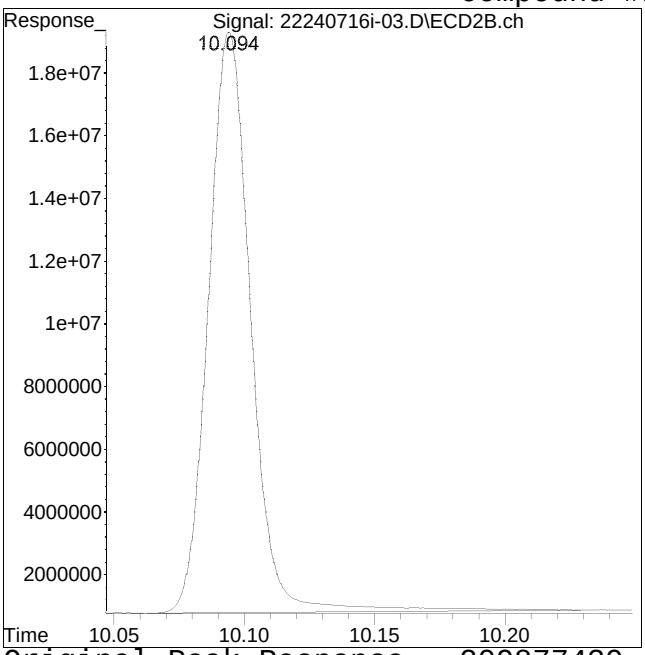


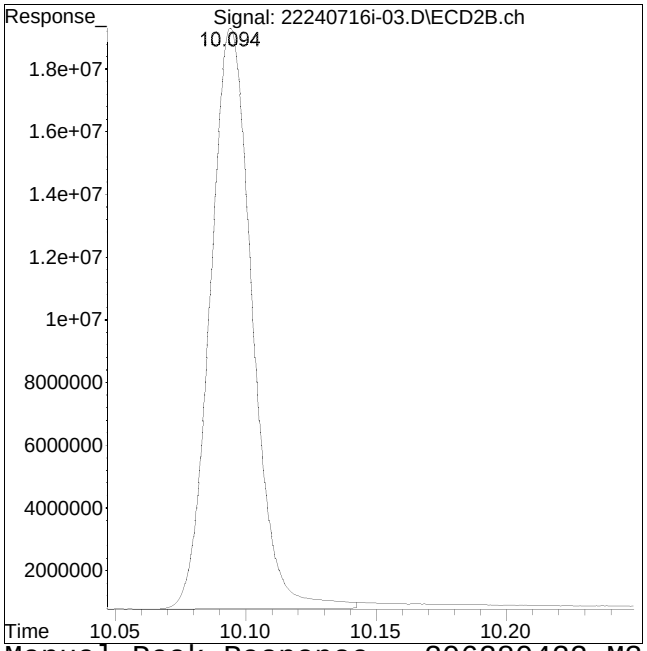
Original Peak Response = 237732162 Manual Peak Response = 228984737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #25: Dinoseb #2





Original Peak Response = 209877439 Manual Peak Response = 206280422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	950.2E6	964.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.006	7.458	148.3E6	148.6E6	NoCal	NoCal M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	173.9E6	161.0E6	NoCal M4	NoCal M3
4)	t	Dicamba	7.187	7.639	425.9E6	434.9E6	NoCal M3	NoCal M4
5)	t	MCPP	7.387	7.750	32672630	43905059	NoCal M4	NoCal M4
6)	t	MCPA	7.534	7.976	63845570	78249368	NoCal	NoCal
7)	t	Dichloroprop	7.890	8.293	135.5E6	137.5E6	NoCal M4	NoCal M3
8)	t	2,4-D	8.104	8.566	163.1E6	188.2E6	NoCal M4	NoCal M3
9)	t	2,4,5-TP (Si	8.817	9.223	612.7E6	623.0E6	NoCal M4	NoCal M3
10)	t	2,4,5-T	9.038	9.511	612.7E6	586.0E6	NoCal M4	NoCal
11)	t	2,4-DB	9.444	9.871	91548913	99152864	NoCal M4	NoCal
12)	t	Dinoseb	10.190	10.094	438.9E6	403.5E6	NoCal M3	NoCal M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

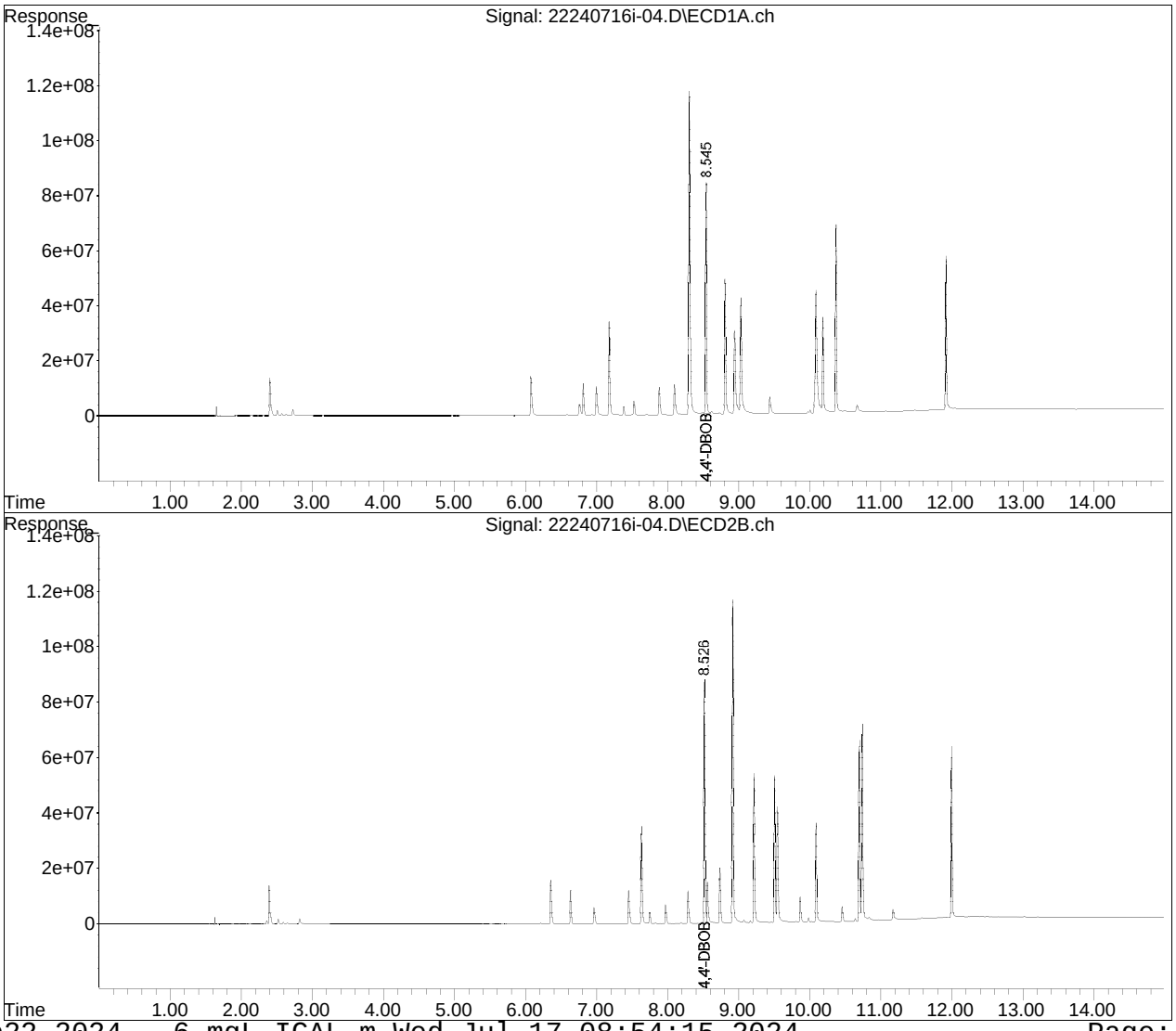
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

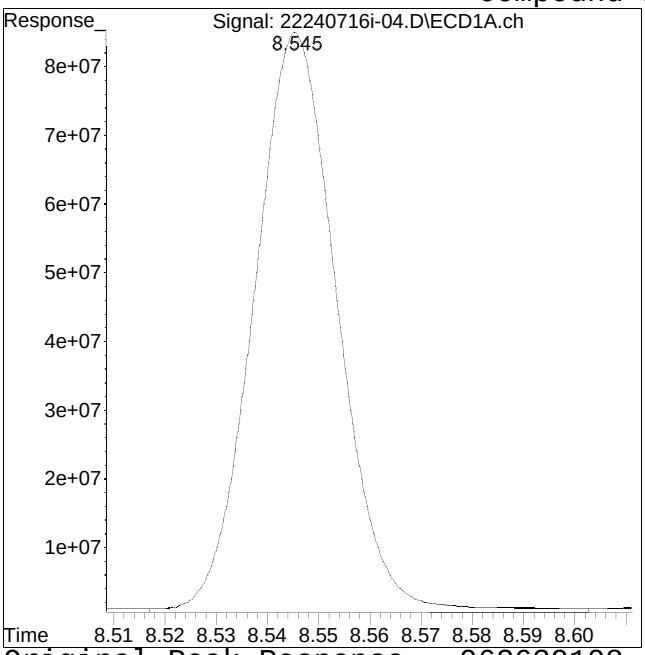


Manual Integration Report

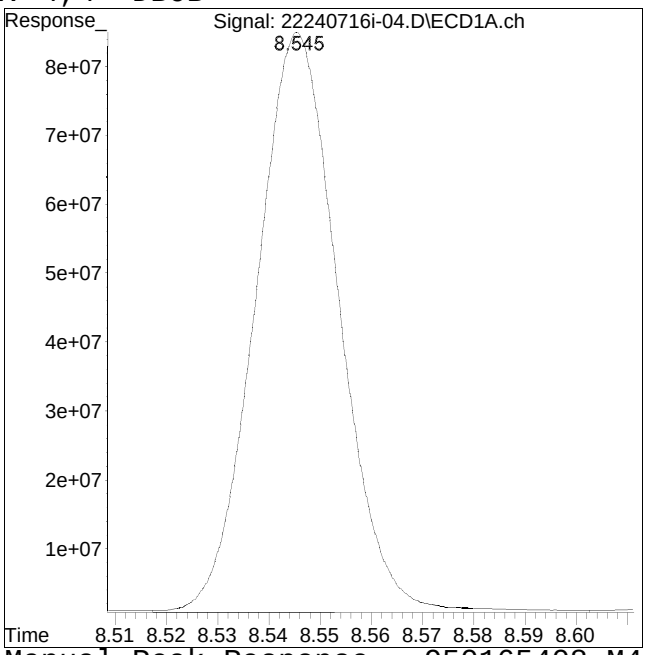
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 962639108



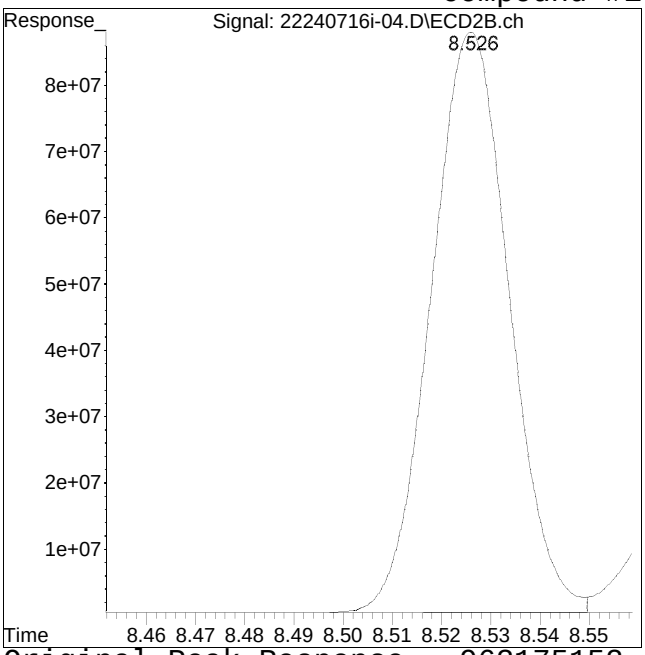
Manual Peak Response = 950165408 M4

M4 = Poor automated baseline construction.

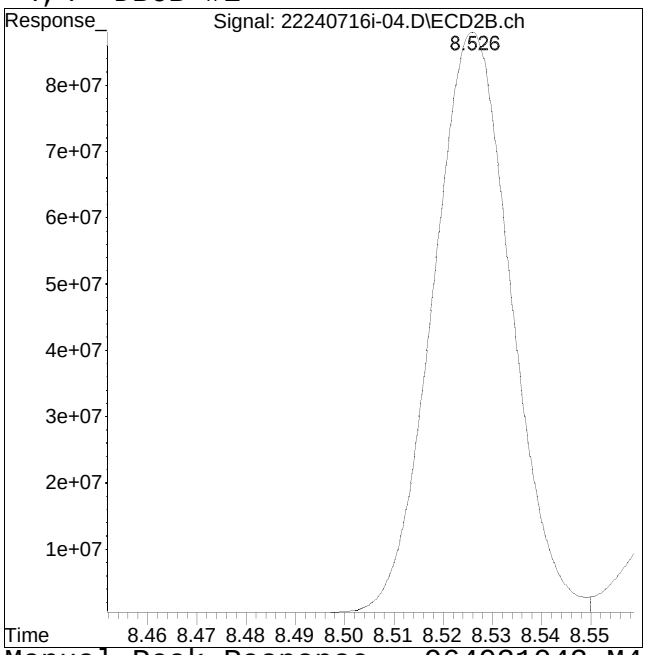
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 963175152



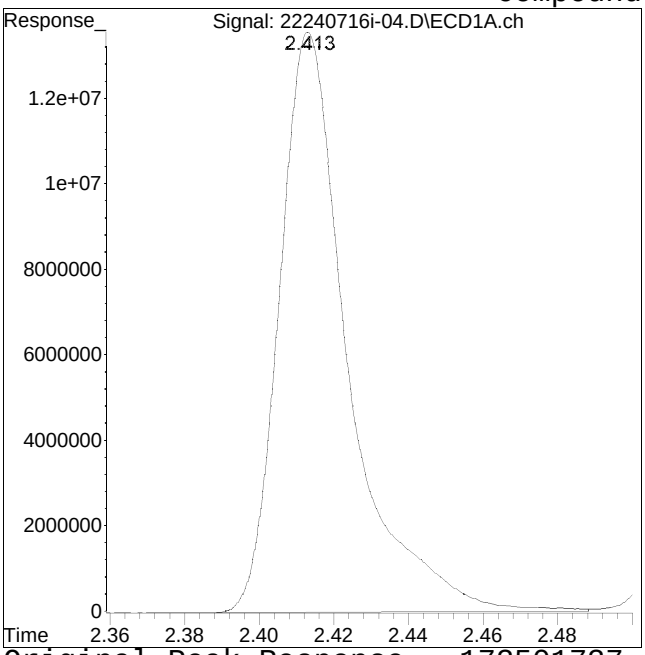
Manual Peak Response = 964931042 M4

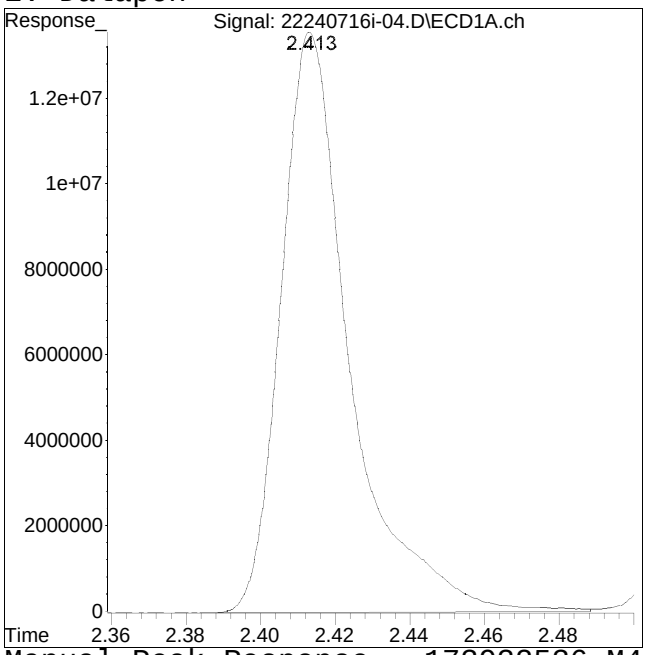
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #2: Dalapon



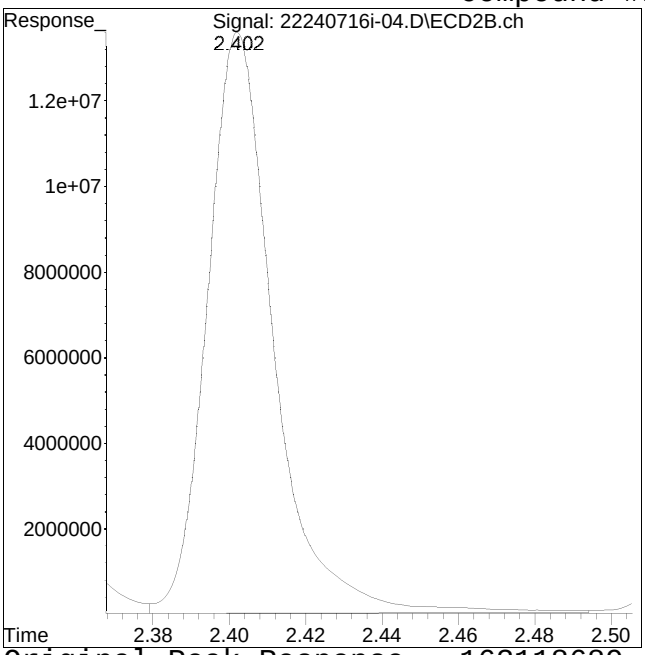


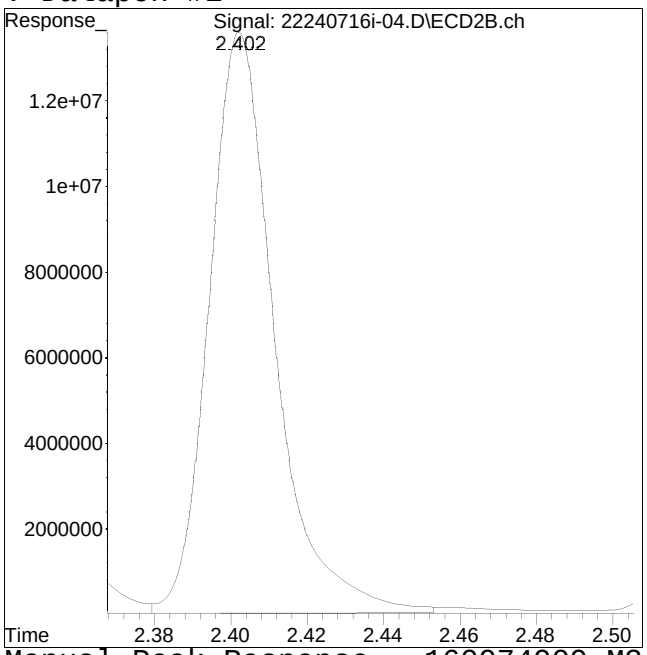
Original Peak Response = 173501737 Manual Peak Response = 173932536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #15: Dalapon #2



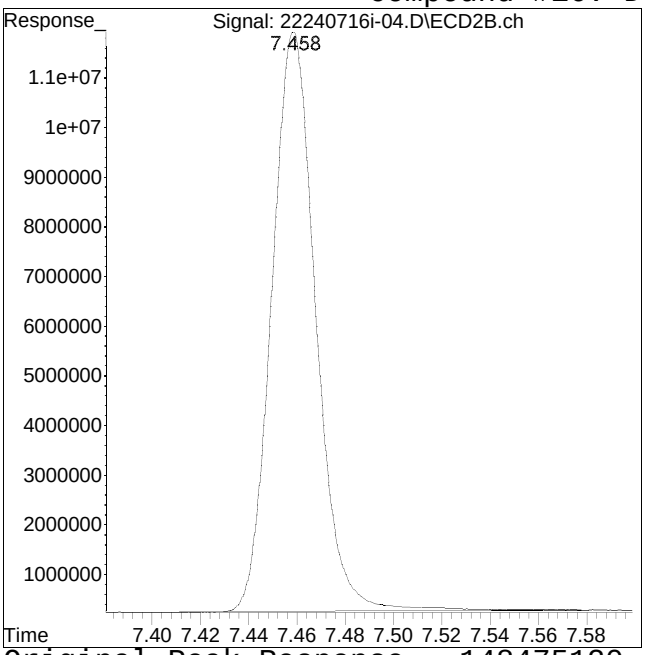


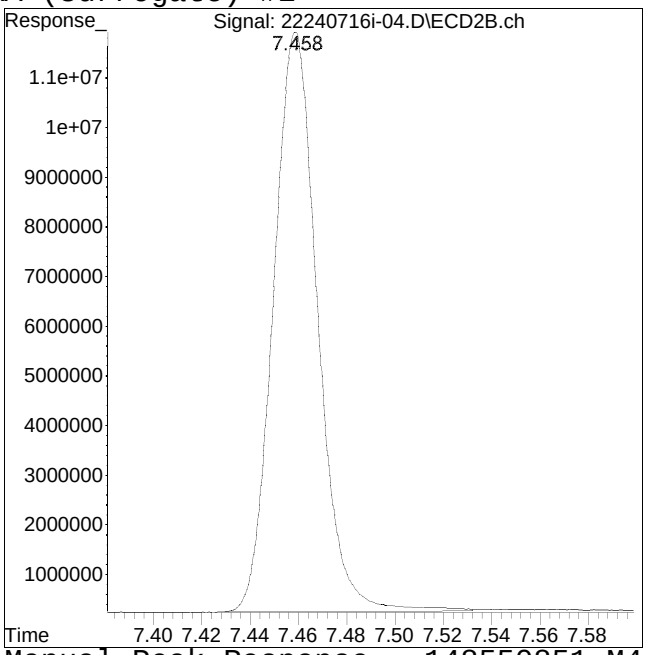
Original Peak Response = 163118689 Manual Peak Response = 160974909 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #16: DCAA (surrogate) #2



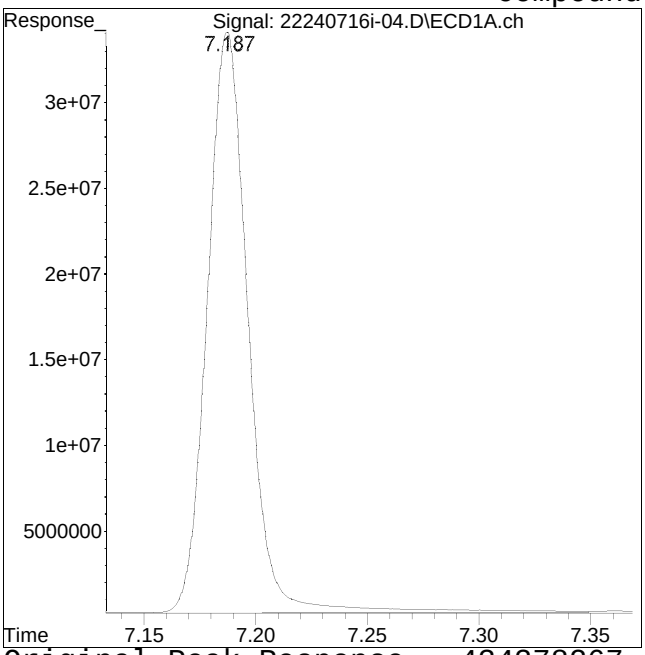


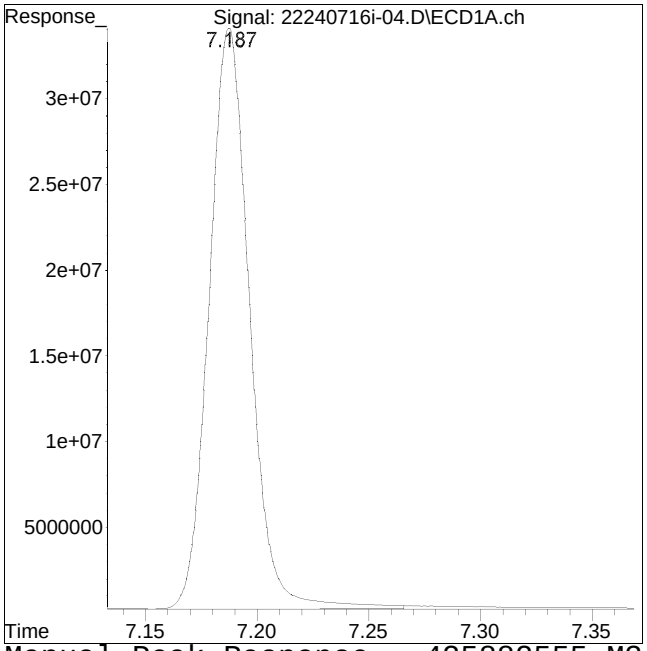
Original Peak Response = 148475120 Manual Peak Response = 148550851 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #4: Dicamba



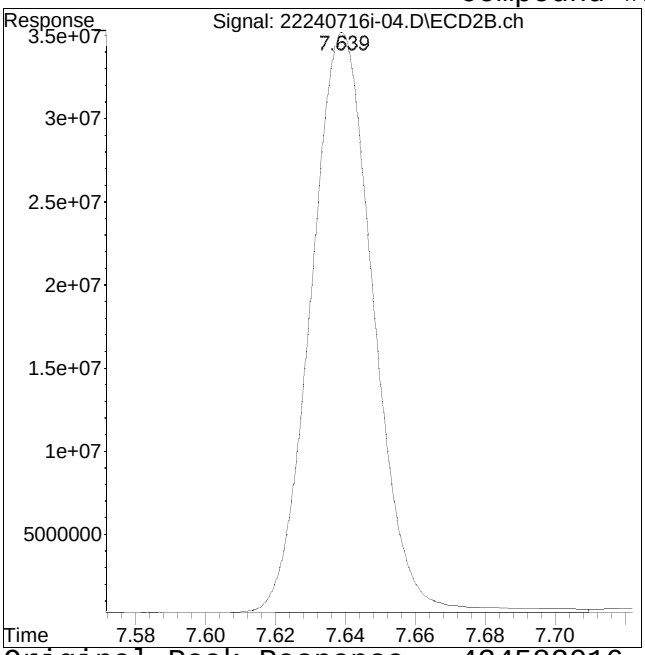


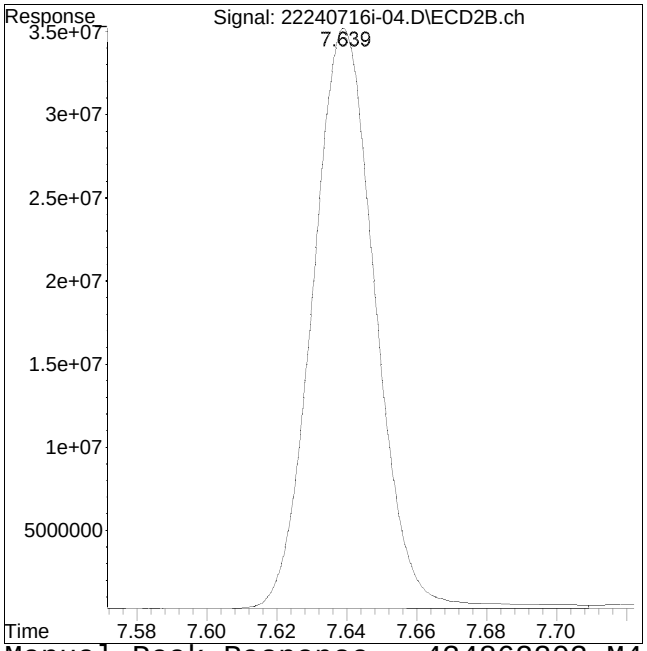
Original Peak Response = 434378267 Manual Peak Response = 425882555 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #17: Dicamba #2



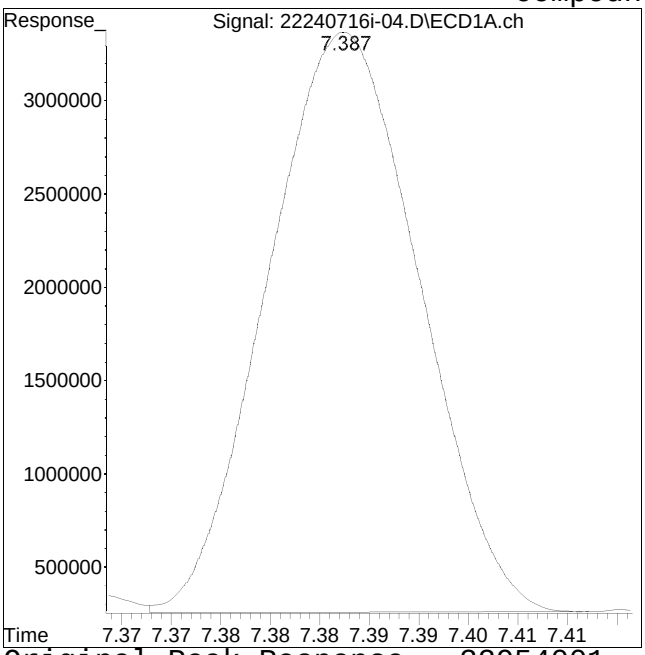


Original Peak Response = 434582016 Manual Peak Response = 434862203 M4
M4 = Poor automated baseline construction.

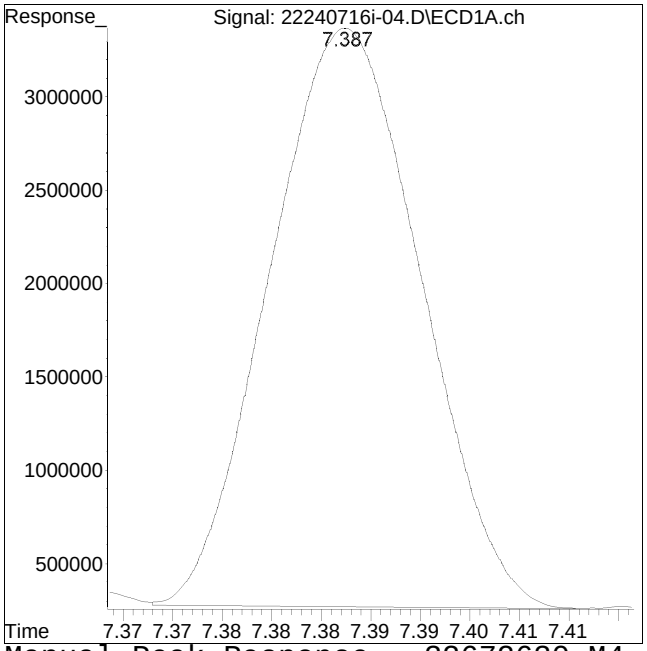
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #5: MCPP



Original Peak Response = 32954001



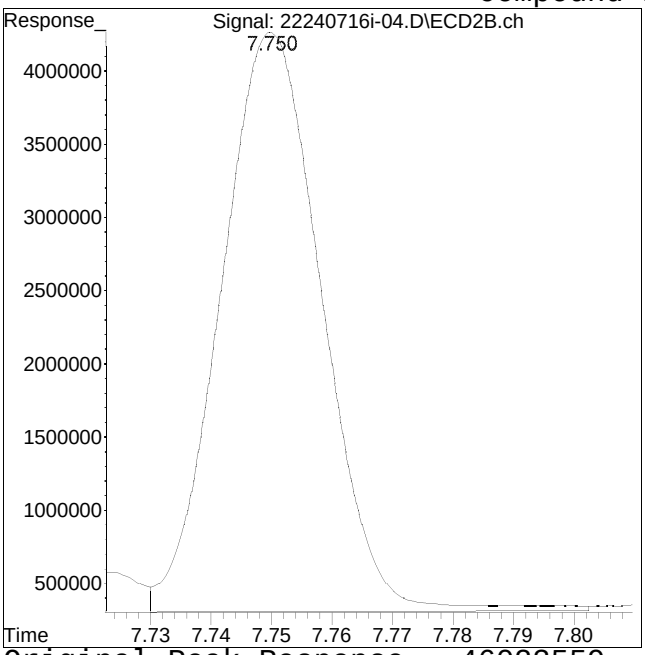
Manual Peak Response = 32672630 M4

M4 = Poor automated baseline construction.

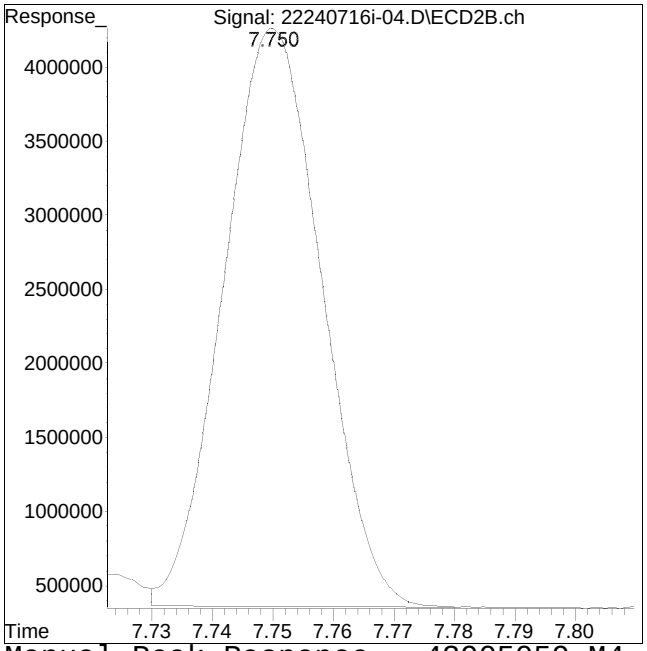
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #18: MCPP #2



Original Peak Response = 46023559



Manual Peak Response = 43905059 M4

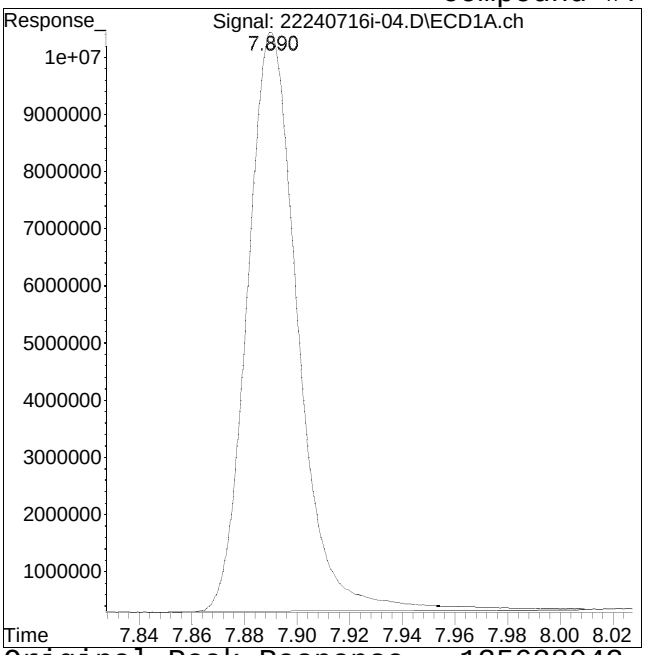
M4 = Poor automated baseline construction.

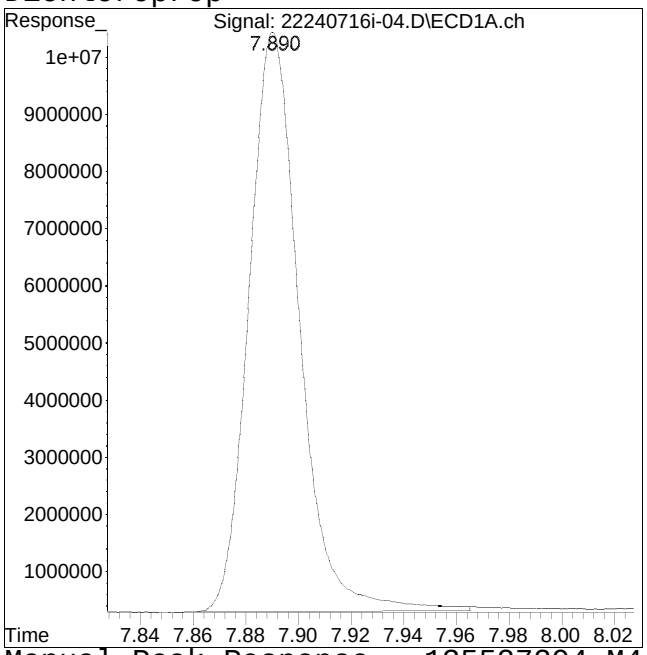
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #7: Dichloroprop



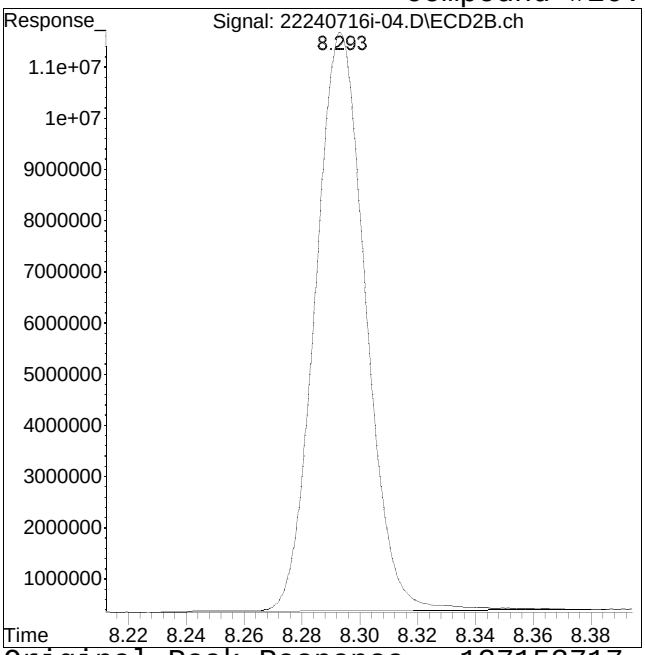


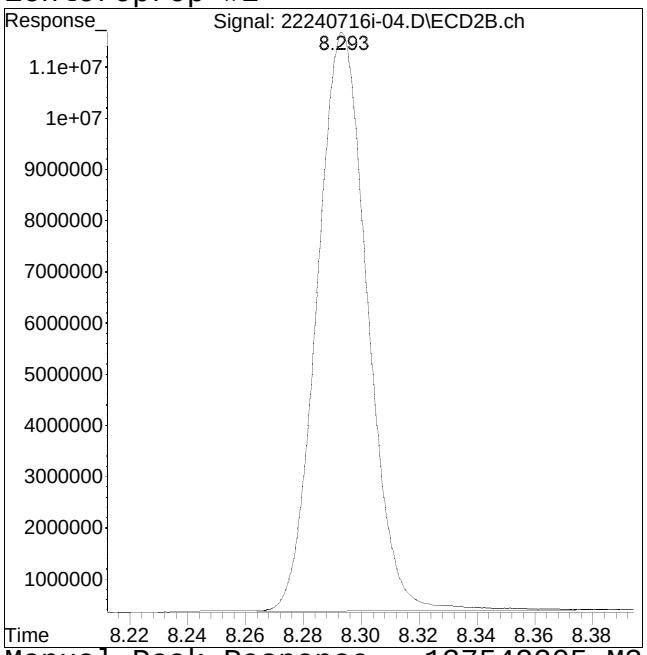
Original Peak Response = 135628942 Manual Peak Response = 135527294 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #20: Dichloroprop #2



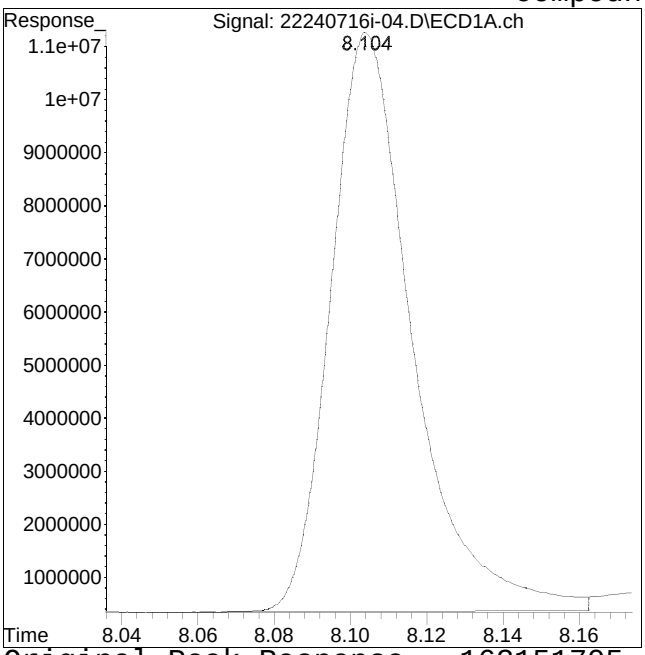


Original Peak Response = 137153717 Manual Peak Response = 137542205 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

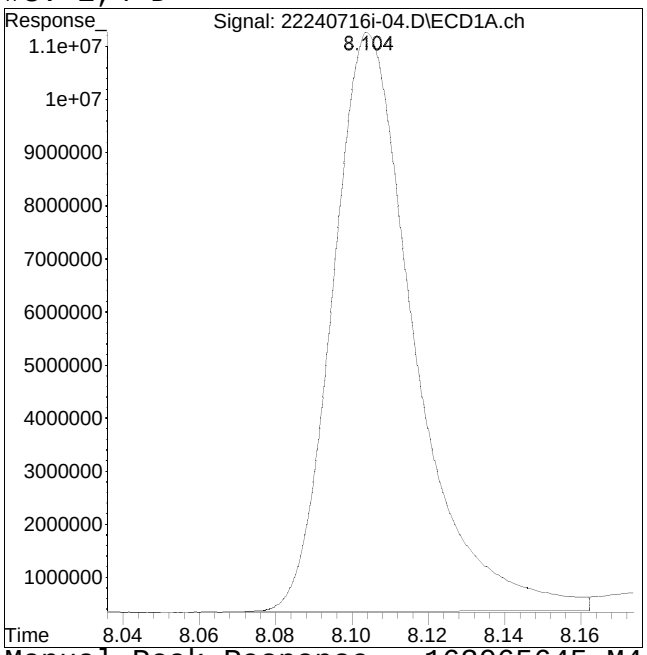
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #8: 2,4-D



Original Peak Response = 163151705

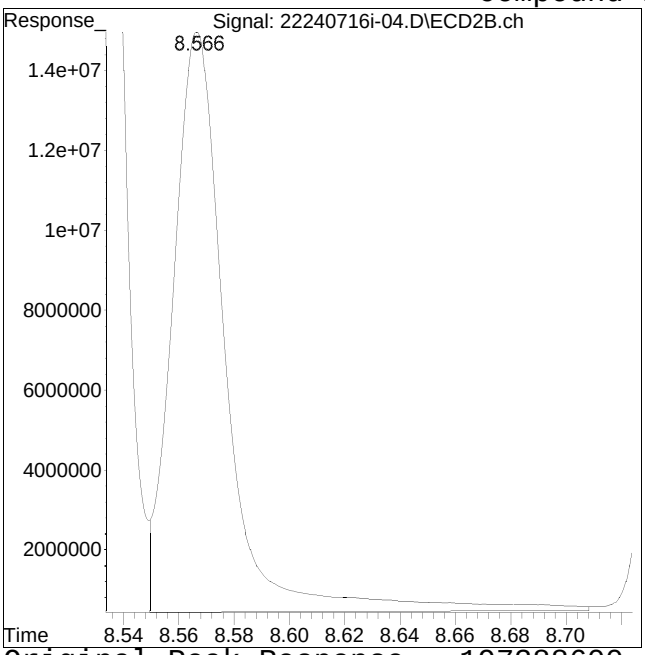


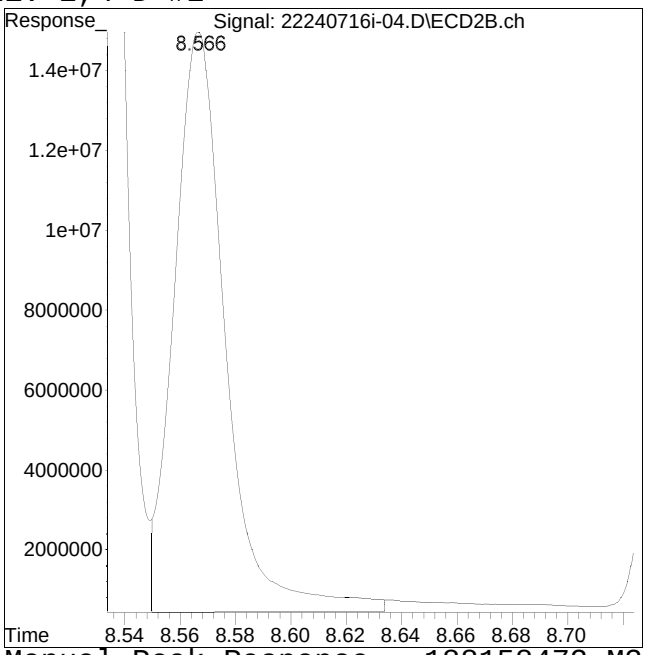
Manual Peak Response = 163065645 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #21: 2,4-D #2



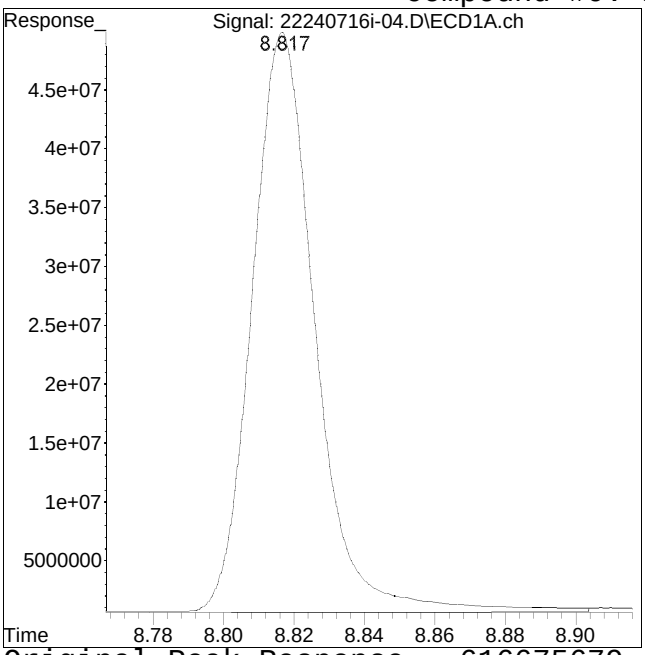


Original Peak Response = 197388600 Manual Peak Response = 188158472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

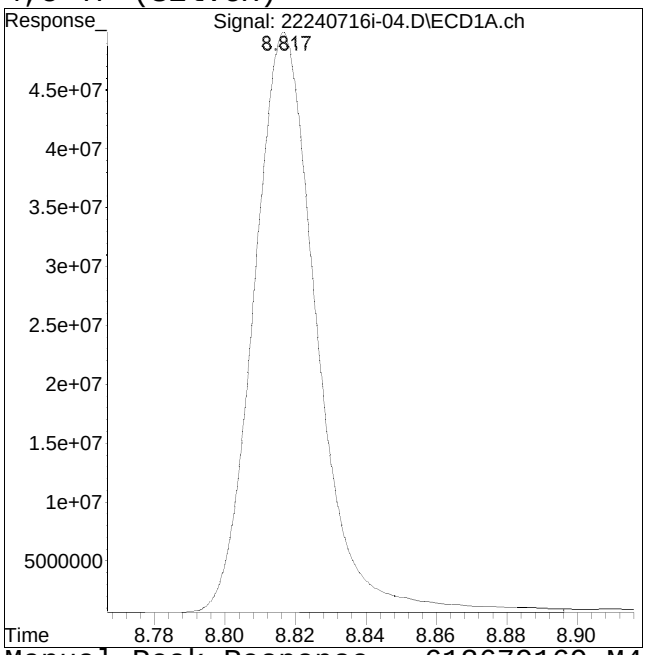
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 616675679



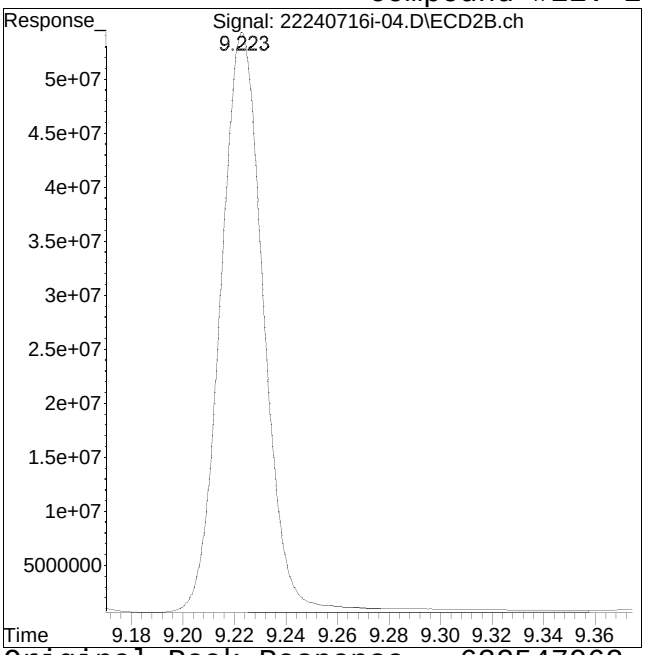
Manual Peak Response = 612679169 M4

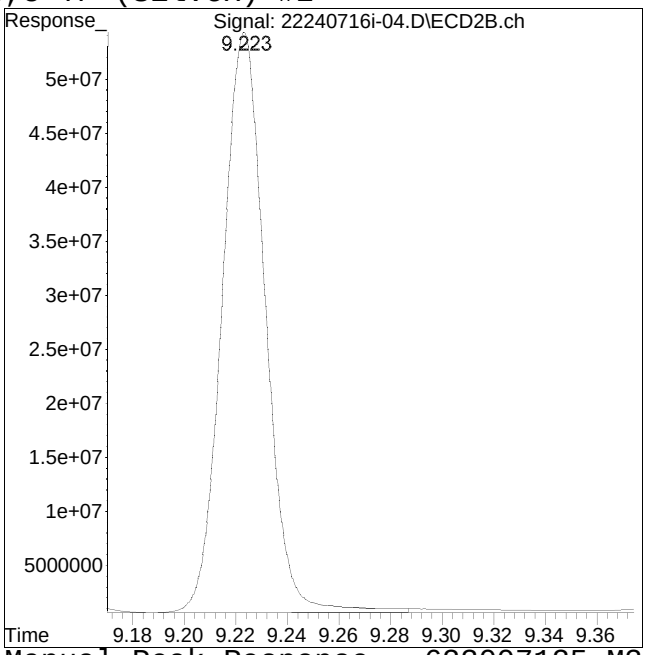
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #22: 2,4,5-TP (Silvex) #2



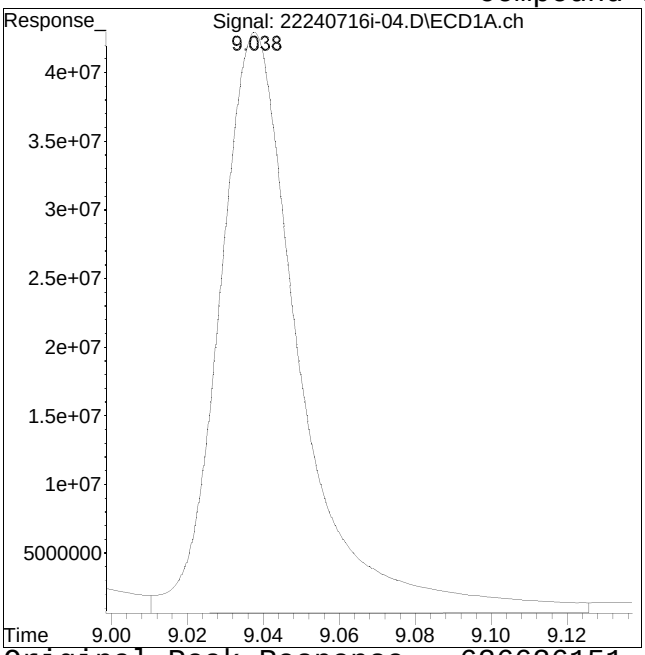


Original Peak Response = 632547962 Manual Peak Response = 623007125 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

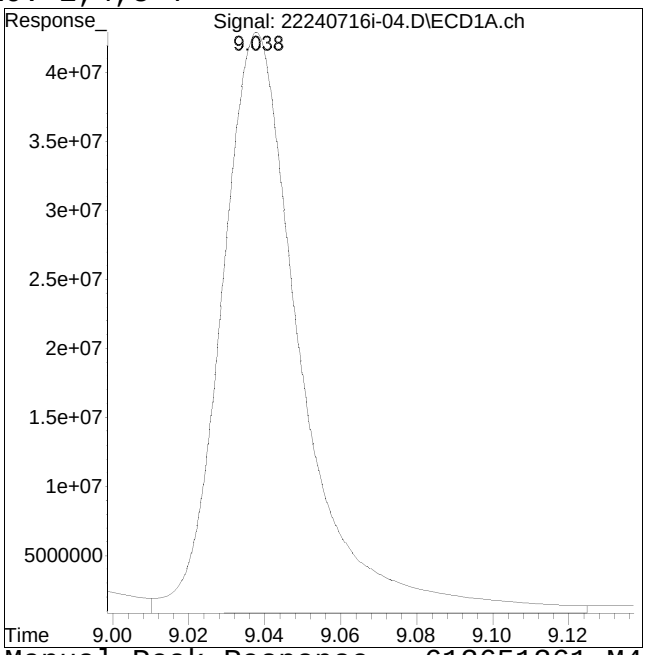
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #10: 2,4,5-T



Original Peak Response = 626626151



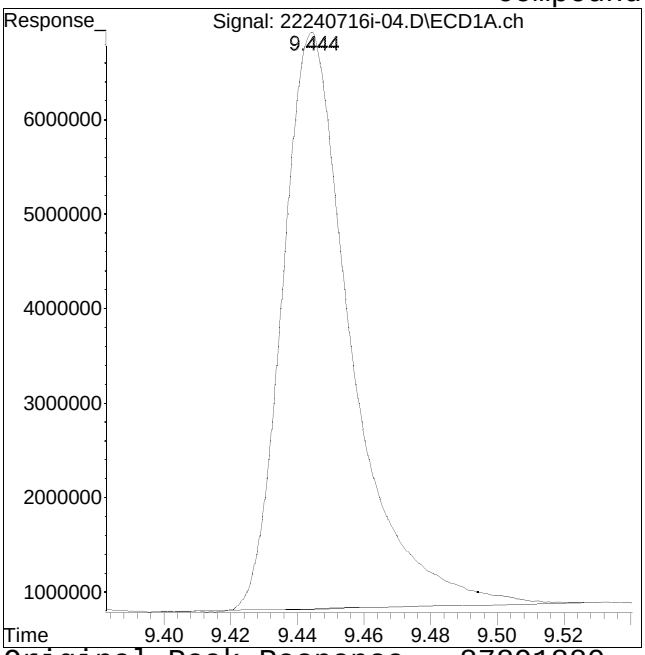
Manual Peak Response = 612651361 M4

M4 = Poor automated baseline construction.

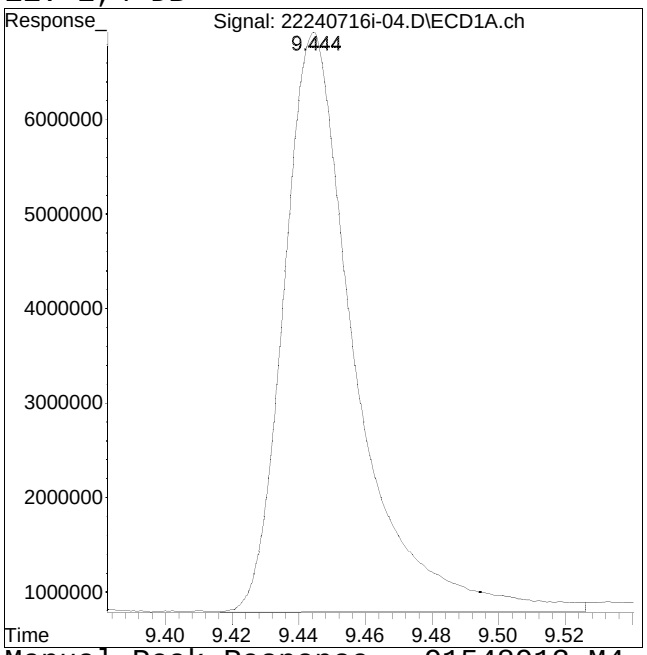
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #11: 2,4-DB



Original Peak Response = 87891880



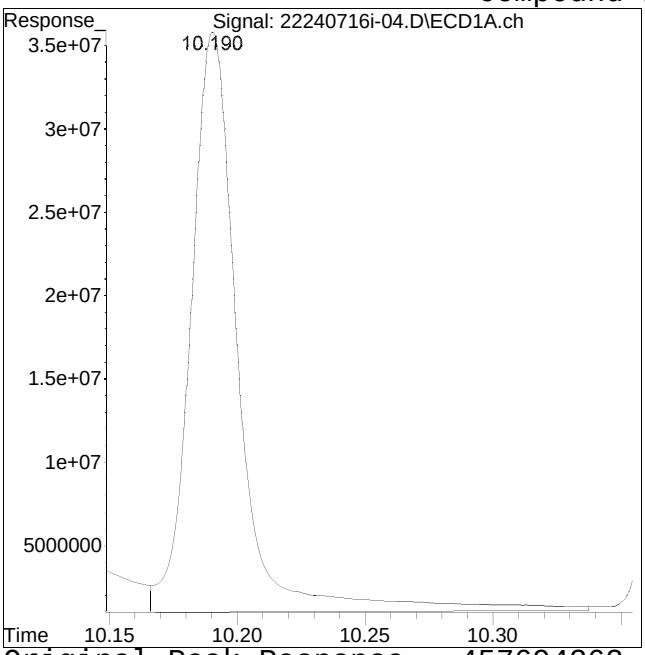
Manual Peak Response = 91548913 M4

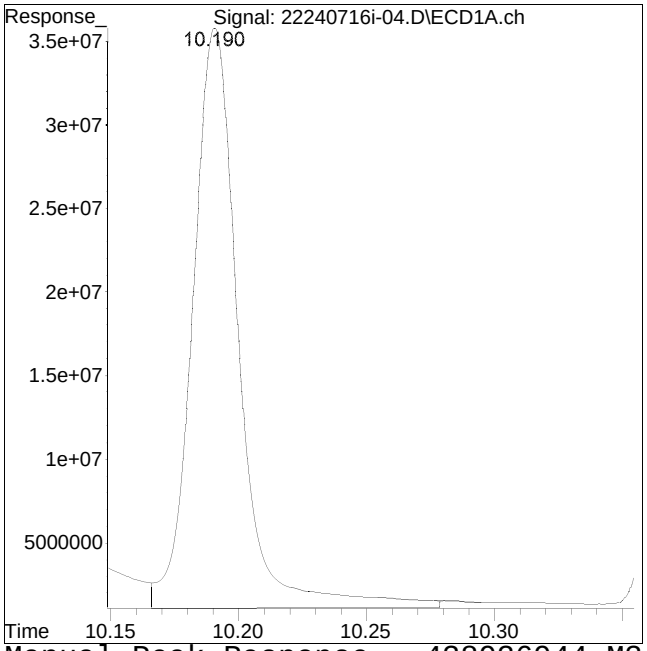
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #12: Dinoseb



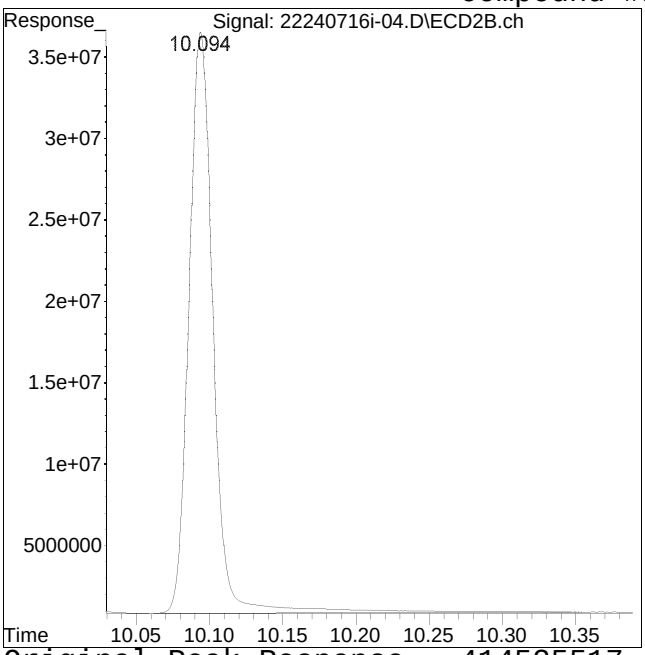


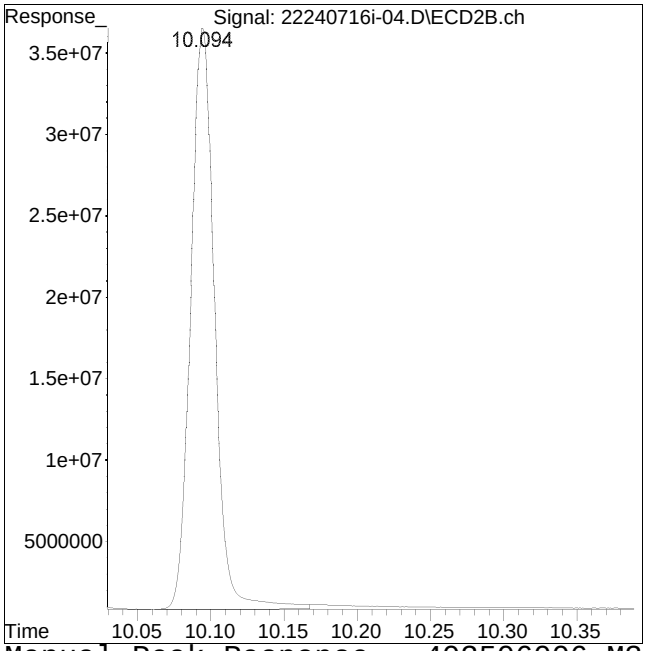
Original Peak Response = 457694262 Manual Peak Response = 438936944 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #25: Dinoseb #2





Original Peak Response = 414525517 Manual Peak Response = 403506006 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	979.7E6	983.1E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.004	7.458	332.3E6	329.3E6	0.408M4	0.409M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	81.60%	81.80%
		Target Compounds						
2)	t	Dalapon	2.414	2.402	381.6E6	353.8E6	0.387	0.393M3
4)	t	Dicamba	7.186	7.639	973.8E6	981.8E6	0.417M4	0.417
5)	t	MCPP	7.387	7.750	87375332	109.8E6	48.762M3	46.129M4
6)	t	MCPA	7.533	7.977	149.8E6	177.5E6	42.329M3	41.402
7)	t	Dichloroprop	7.889	8.293	306.5E6	308.3E6	0.412M4	0.414M4
8)	t	2,4-D	8.101	8.567	376.9E6	406.5E6	0.421M4	0.399
9)	t	2,4,5-TP (Si	8.815	9.223	1440.7E6	1434.9E6	0.433	0.430M3
10)	t	2,4,5-T	9.034	9.510	1440.4E6	1364.3E6	0.433M4	0.434
11)	t	2,4-DB	9.441	9.870	210.4E6	231.0E6	0.428M4	0.439M4
12)	t	Dinoseb	10.190	10.094	1012.2E6	919.6E6	0.425M3	0.425M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

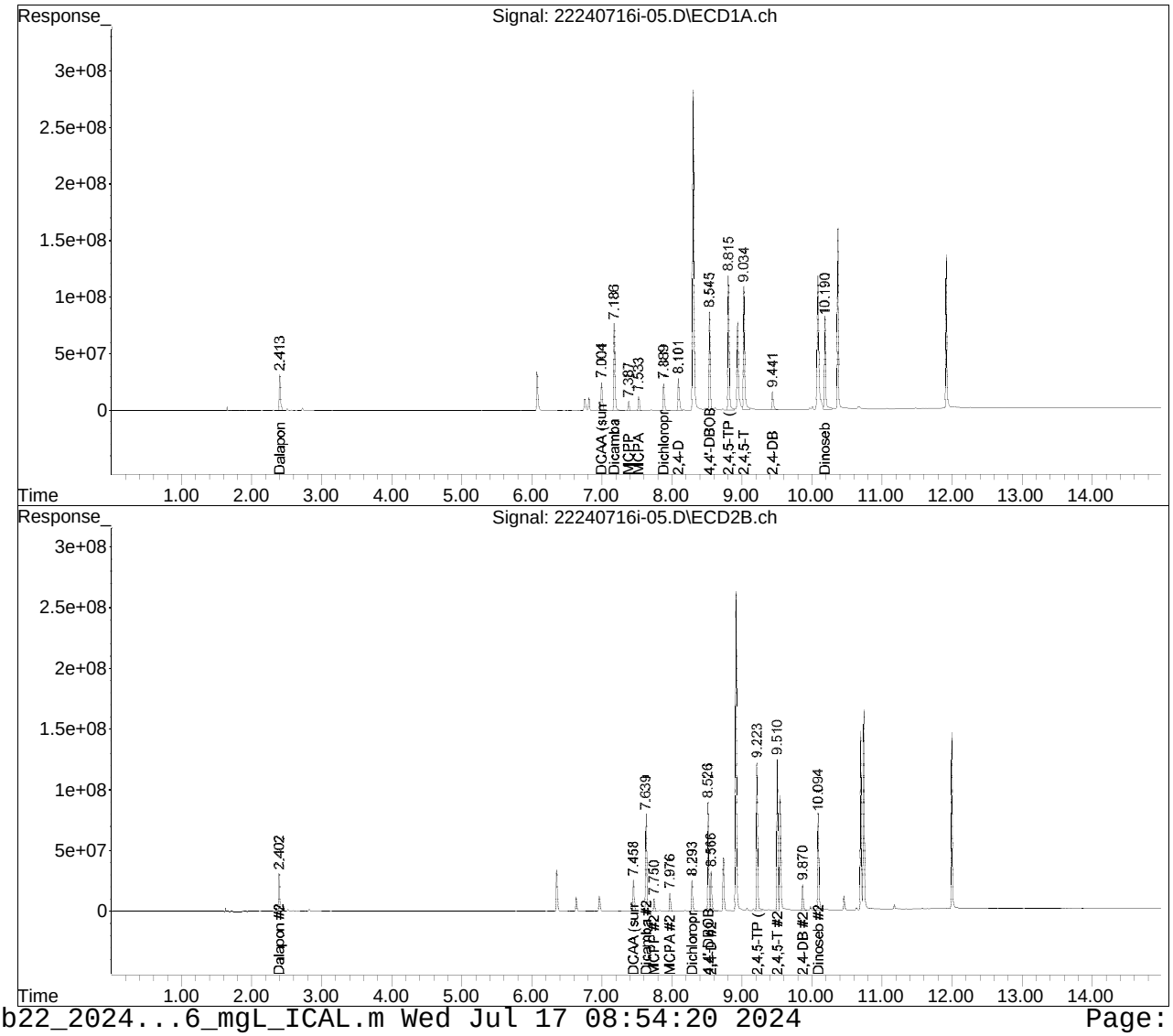
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

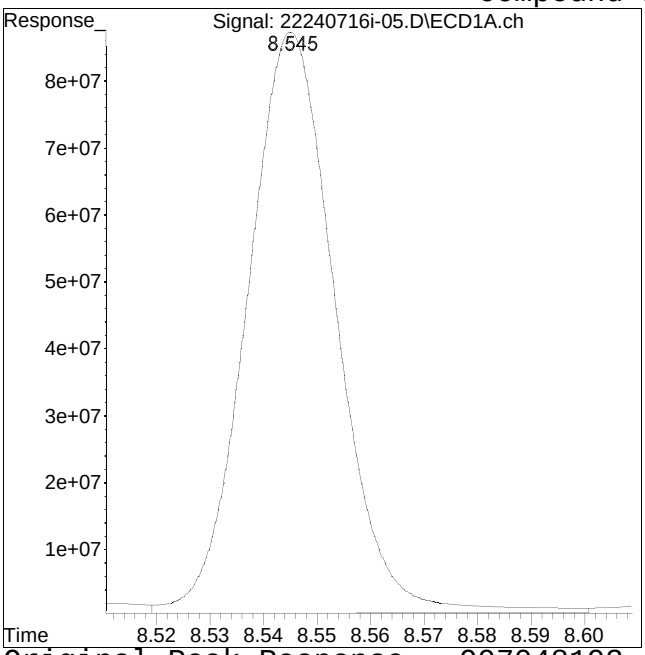
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

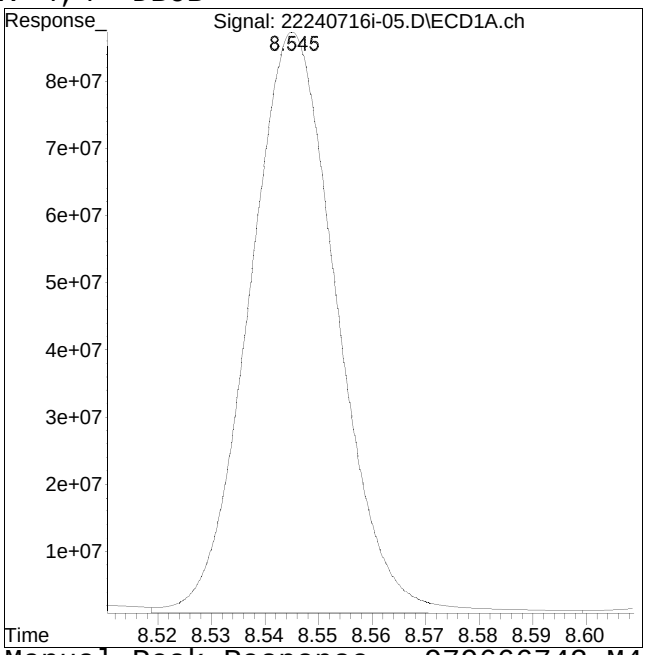


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #1: 4,4'-DBOB



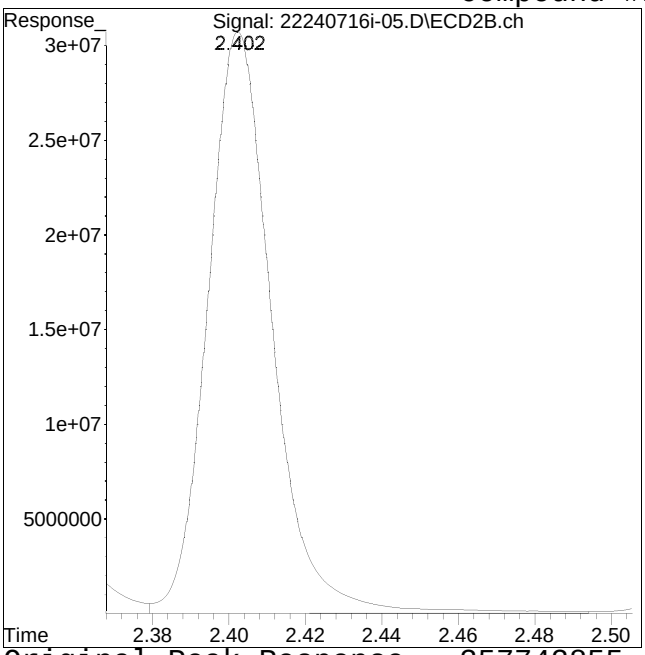


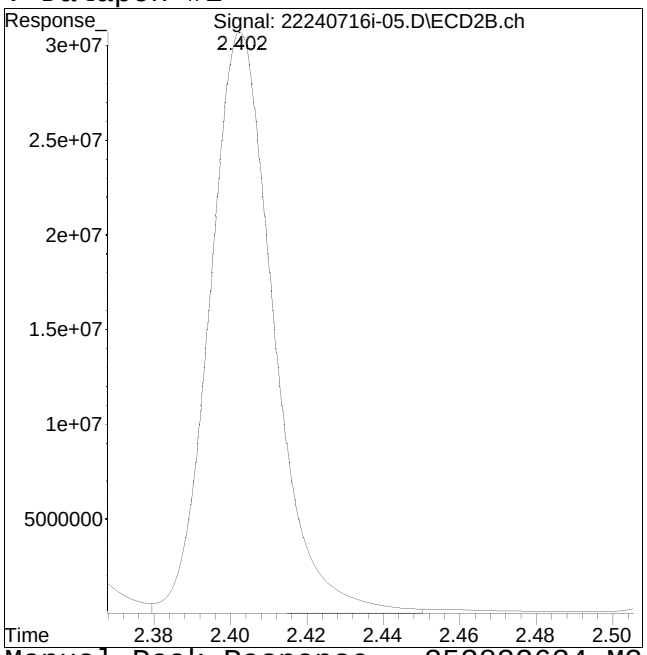
Original Peak Response = 997048193 Manual Peak Response = 979666742 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #15: Dalapon #2





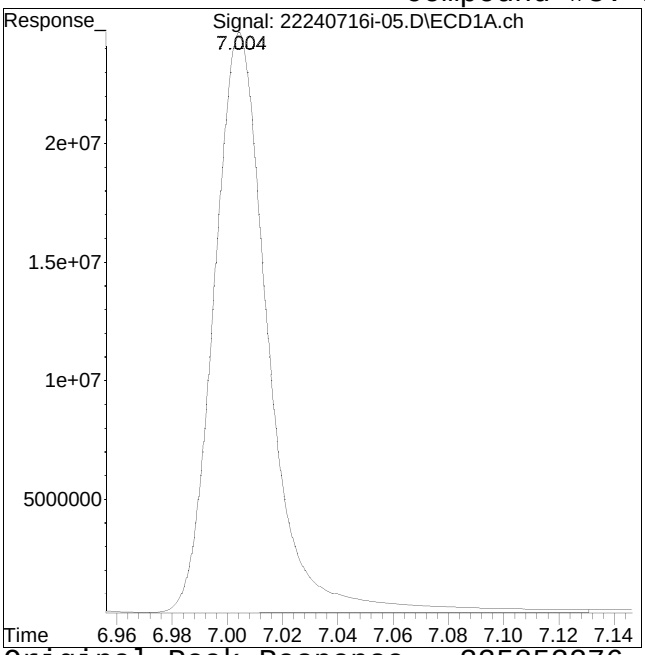
Original Peak Response = 357742855 Manual Peak Response = 353832634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

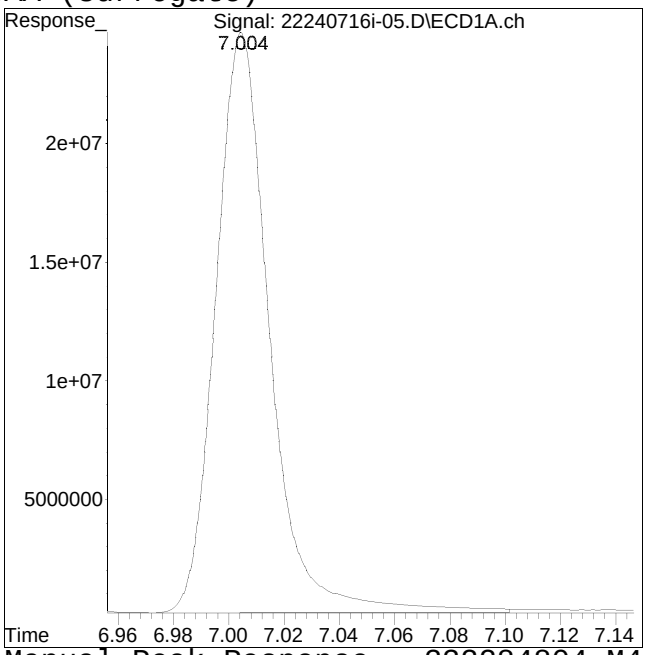
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-05.D
Date Inj'd : 7/16/2024 16:24
Sample : il4herb,42e,,pp 11630 L0.5

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:33 pm

Compound #3: DCAA (surrogate)



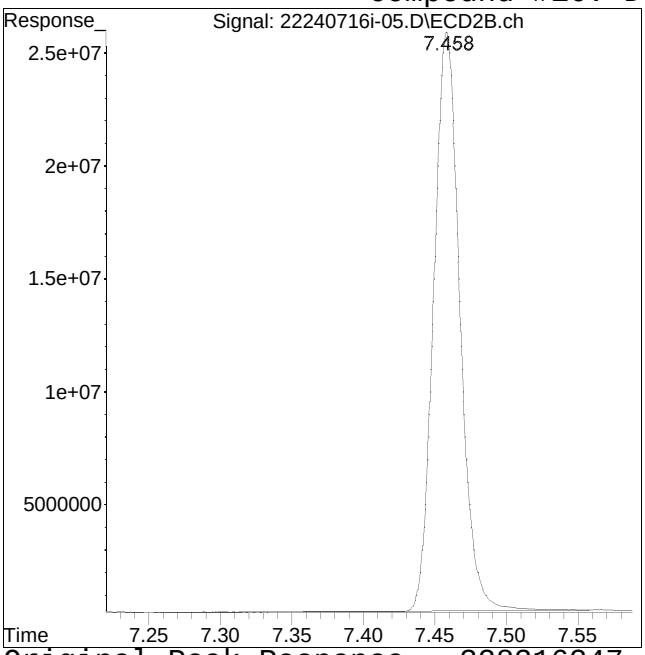


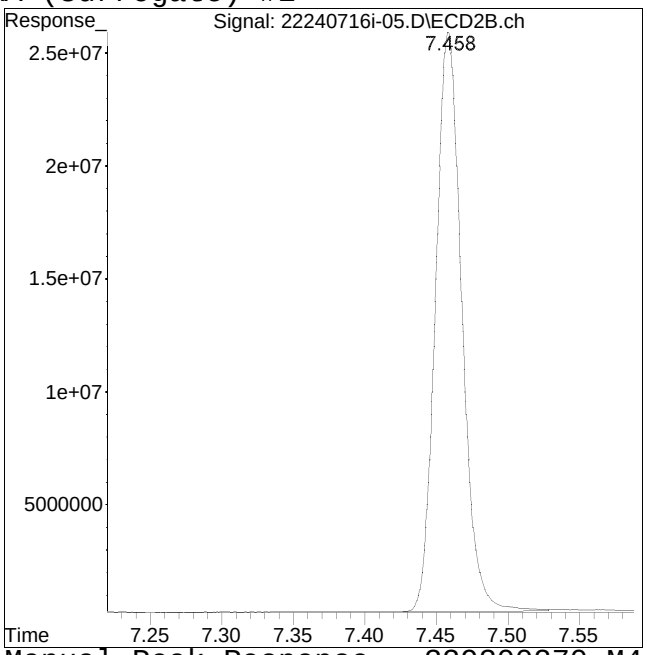
Original Peak Response = 335853376 Manual Peak Response = 332284804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #16: DCAA (surrogate) #2



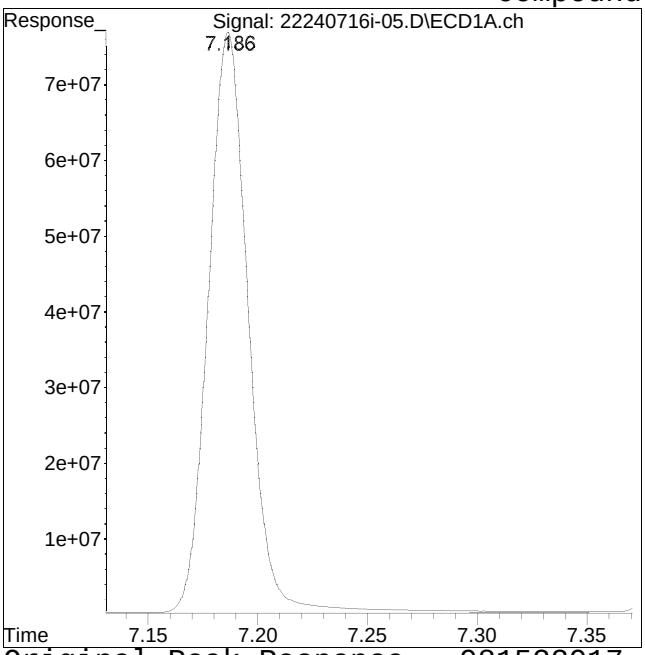


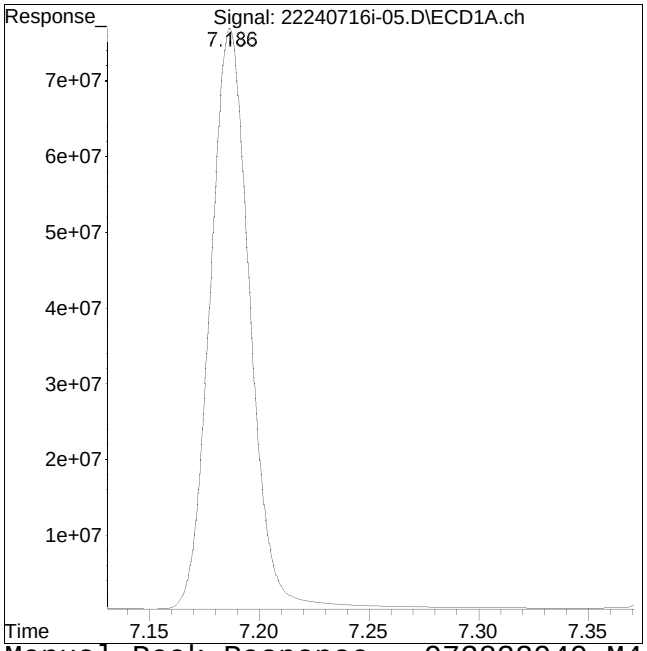
Original Peak Response = 328316247 Manual Peak Response = 329300270 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #4: Dicamba



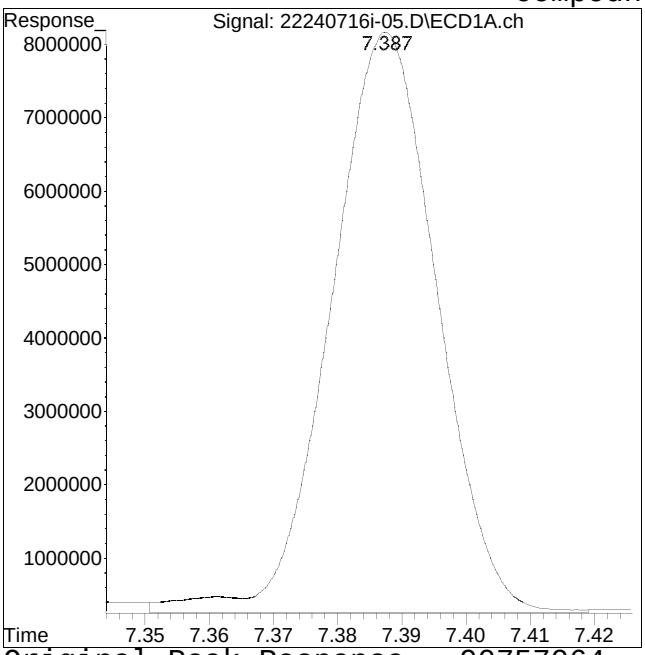


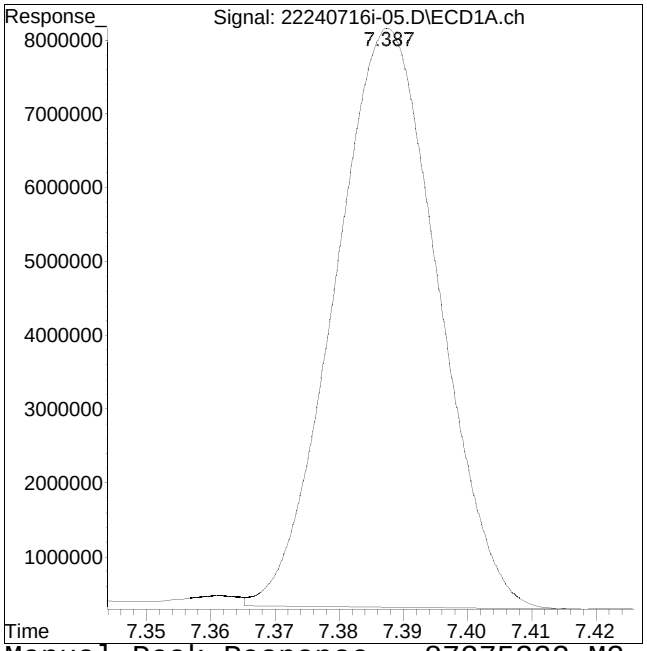
Original Peak Response = 981522917 Manual Peak Response = 973832940 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #5: MCPP



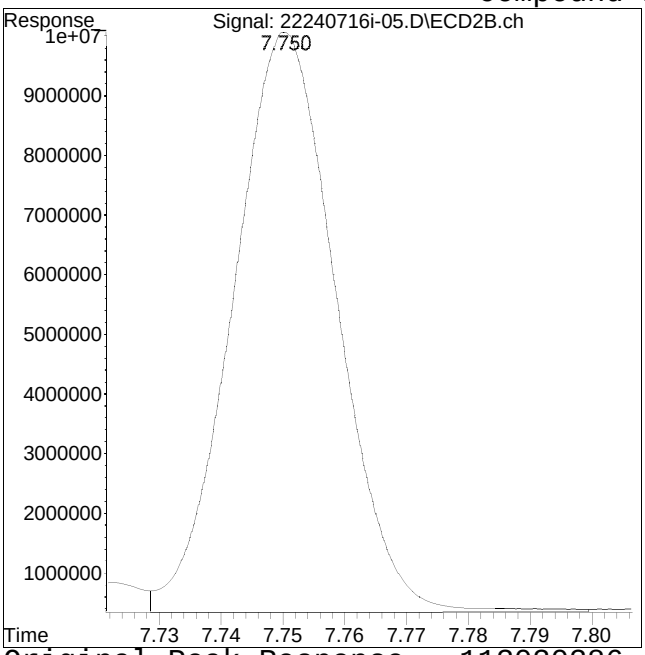


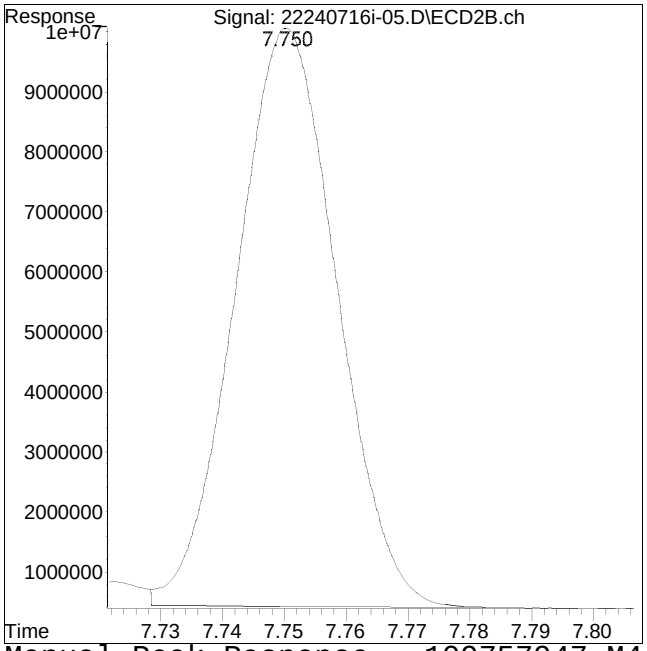
Original Peak Response = 90757064 Manual Peak Response = 87375332 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #18: MCPP #2



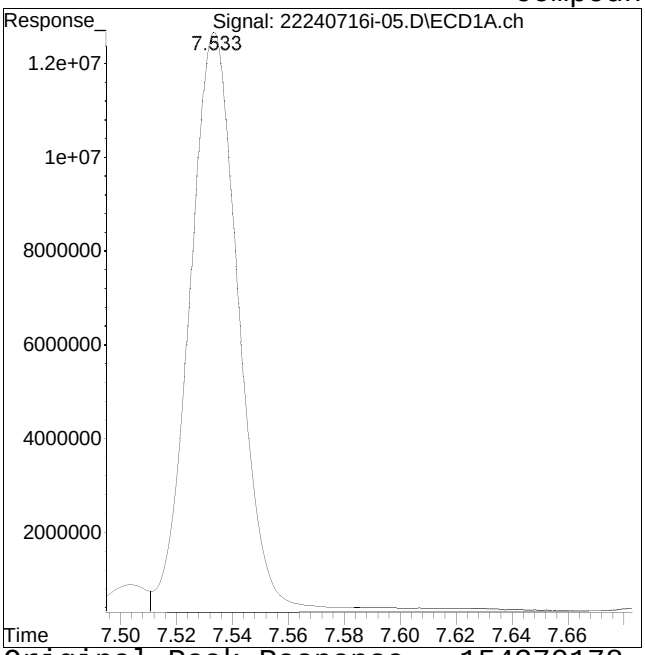


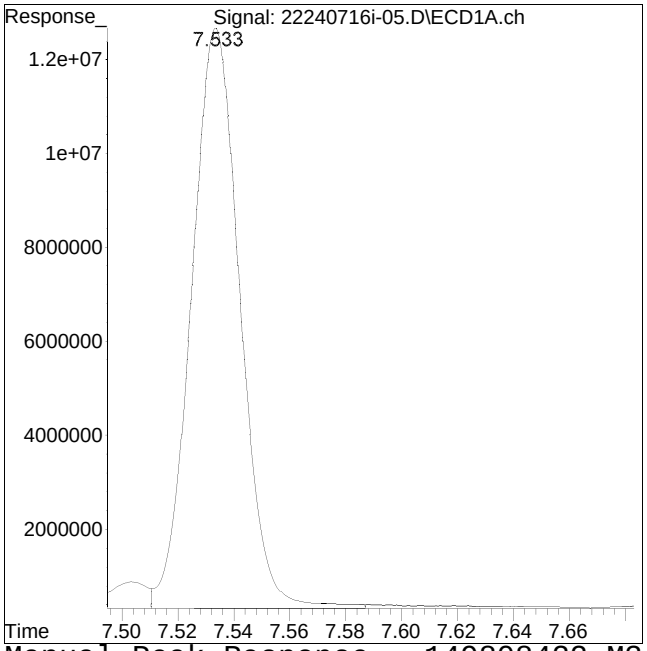
Original Peak Response = 113030386 Manual Peak Response = 109757947 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #6: MCPA



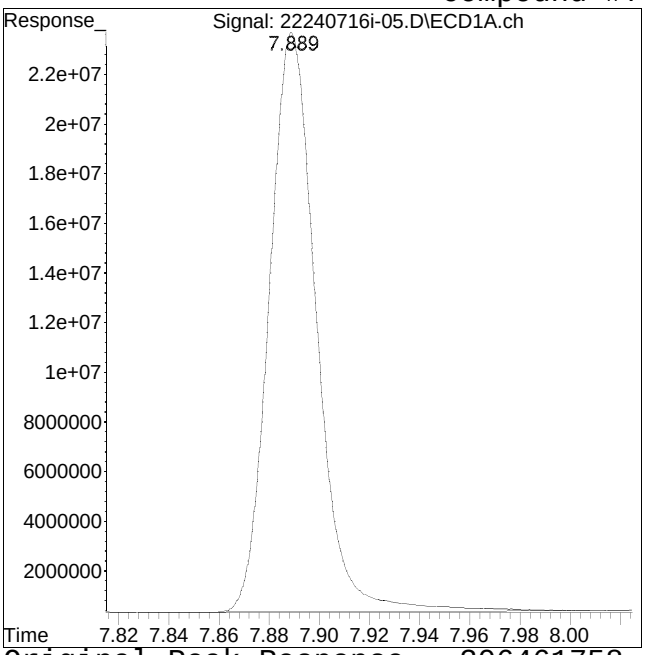


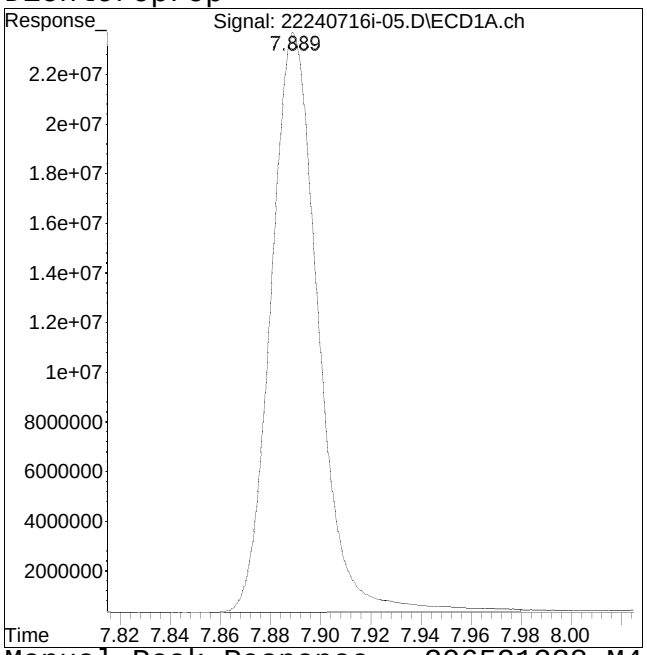
Original Peak Response = 154370178 Manual Peak Response = 149808422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #7: Dichloroprop



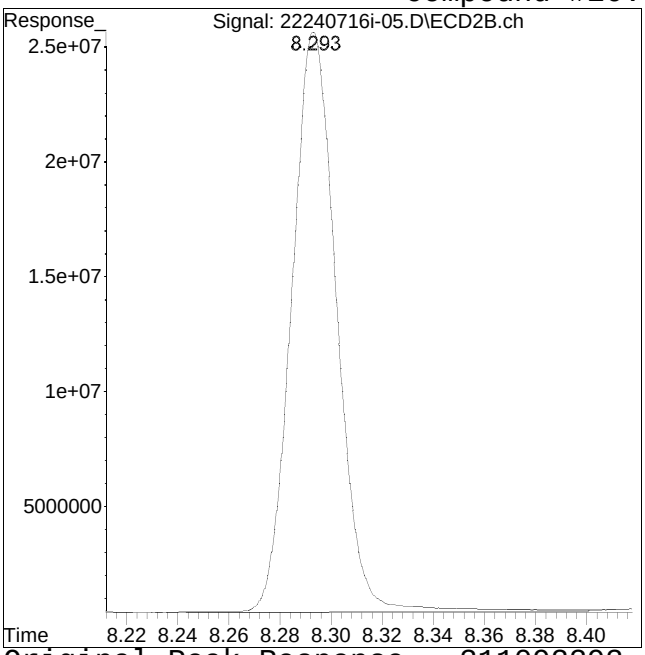


Original Peak Response = 306461758 Manual Peak Response = 306521238 M4
M4 = Poor automated baseline construction.

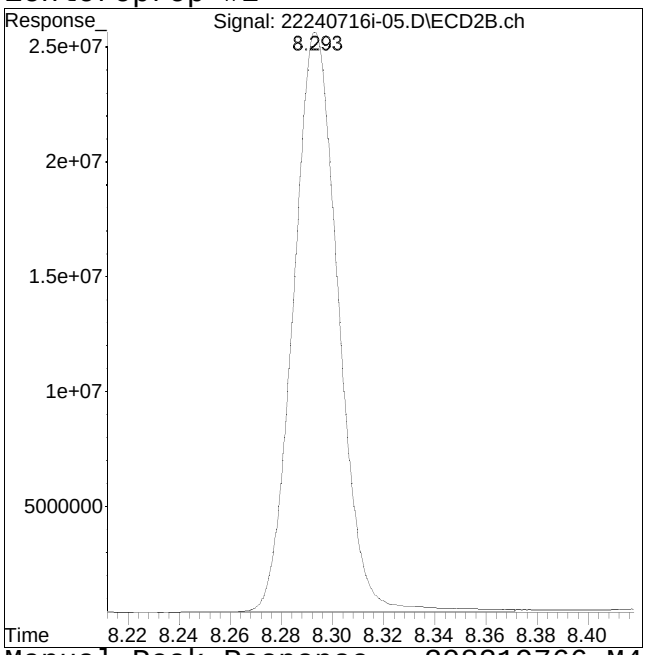
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #20: Dichloroprop #2



Original Peak Response = 311092393



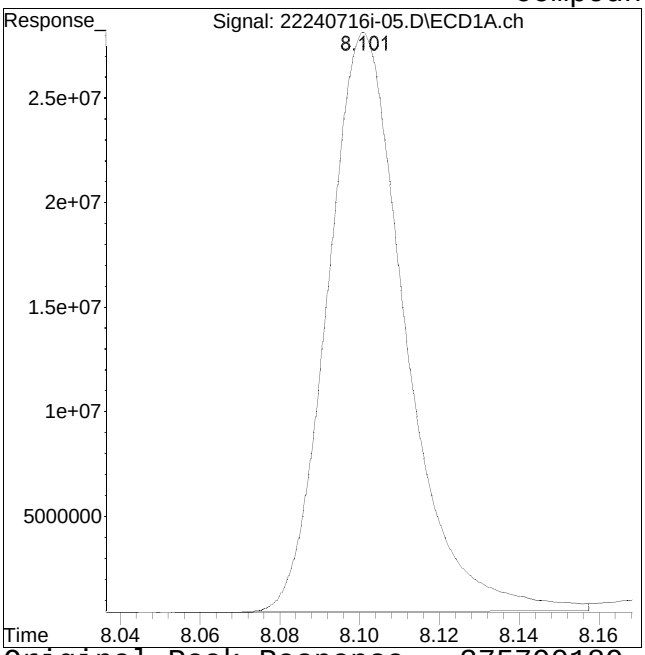
Manual Peak Response = 308319766 M4

M4 = Poor automated baseline construction.

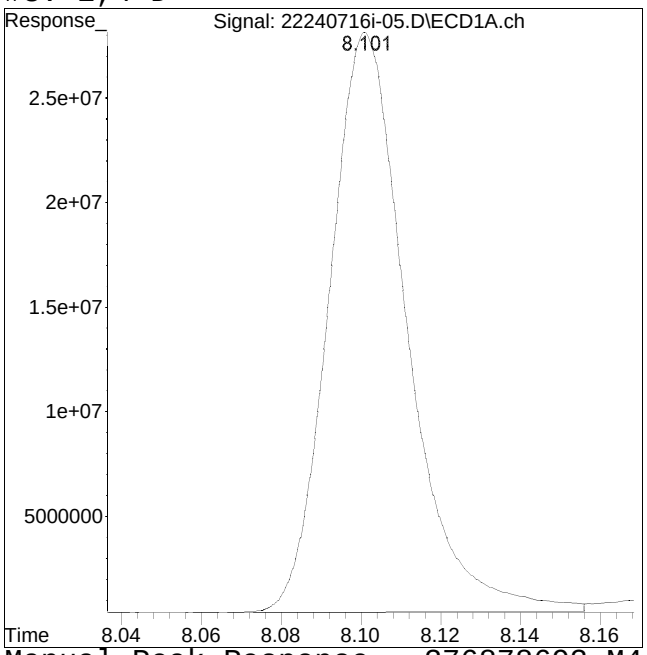
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #8: 2,4-D



Original Peak Response = 375790189

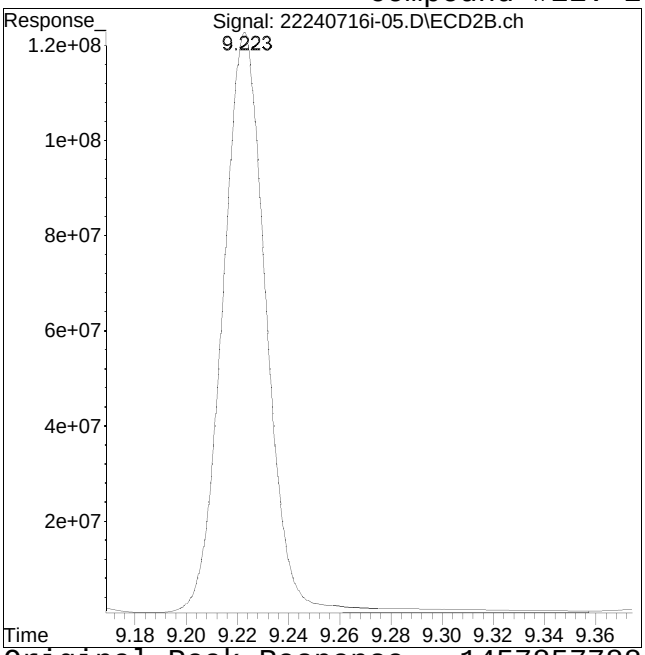


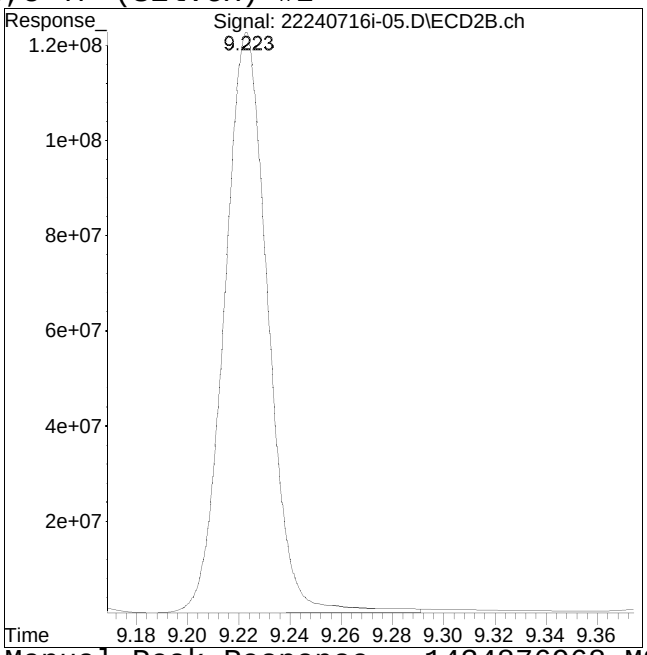
Manual Peak Response = 376878693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #22: 2,4,5-TP (Silvex) #2



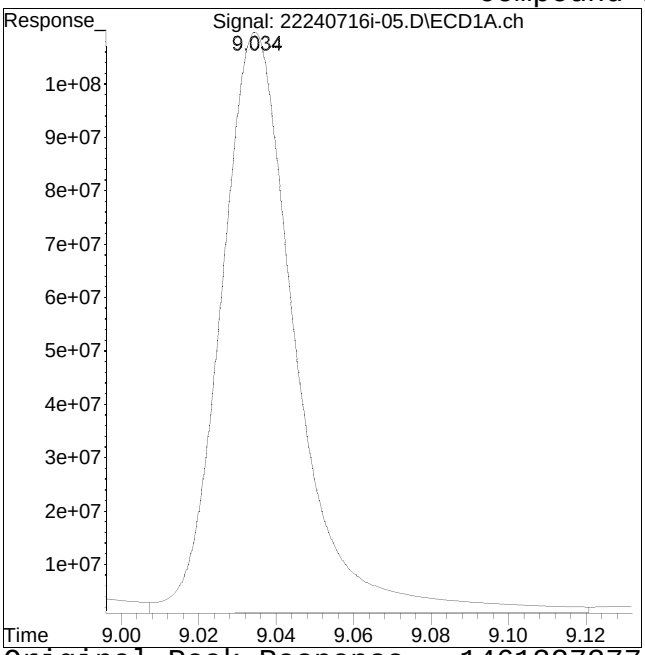


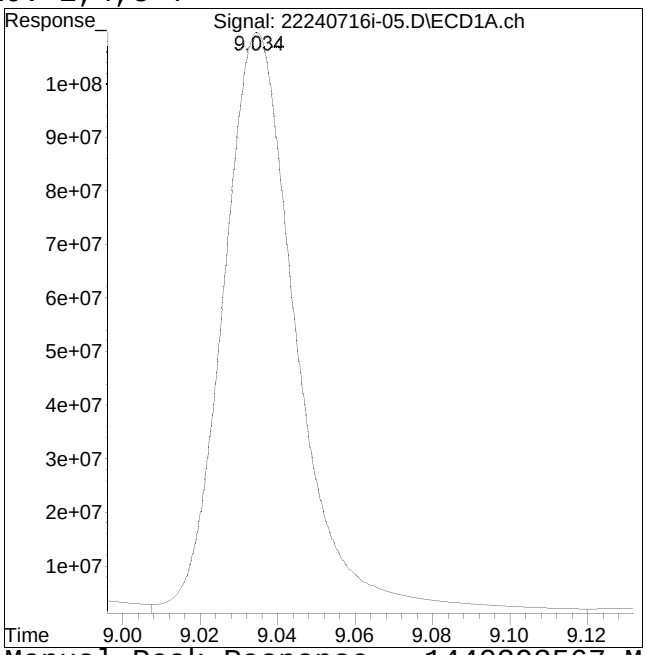
Original Peak Response = 1457857788 Manual Peak Response = 1434876968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #10: 2,4,5-T



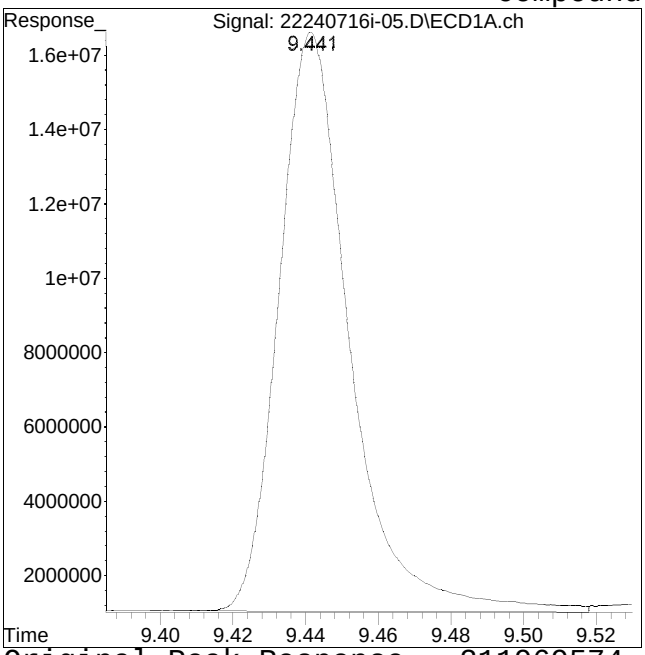


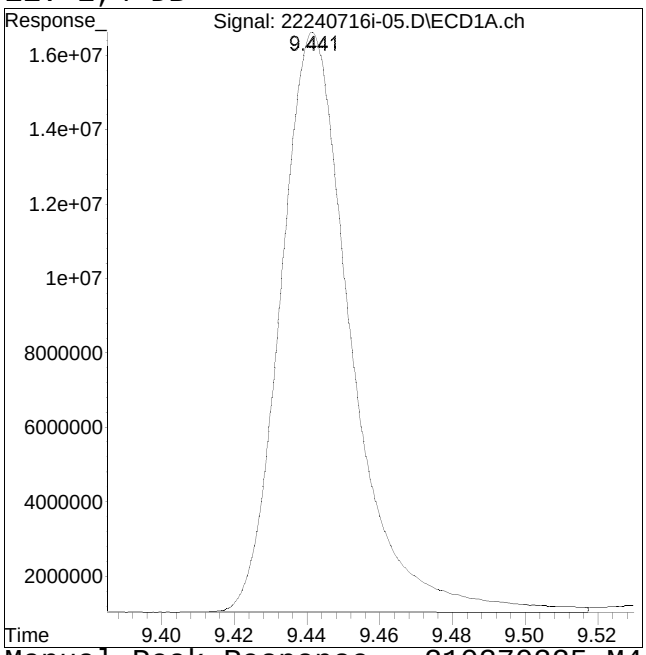
Original Peak Response = 1461327377 Manual Peak Response = 1440393567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #11: 2,4-DB



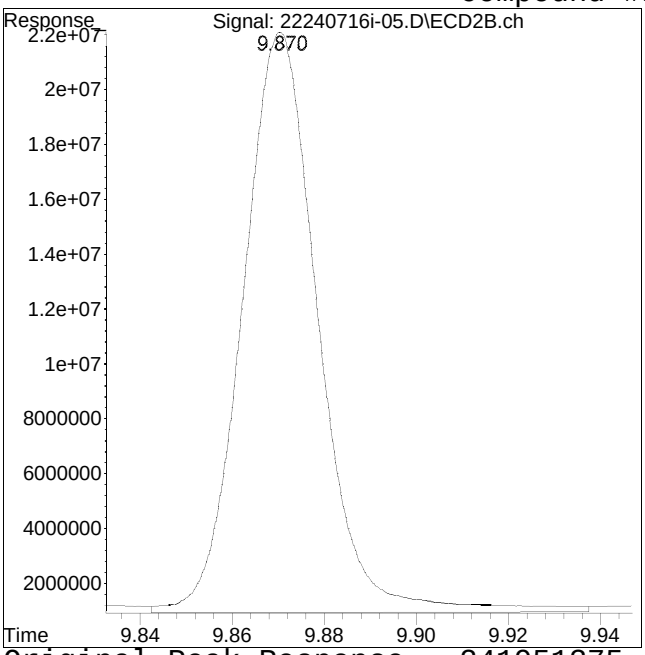


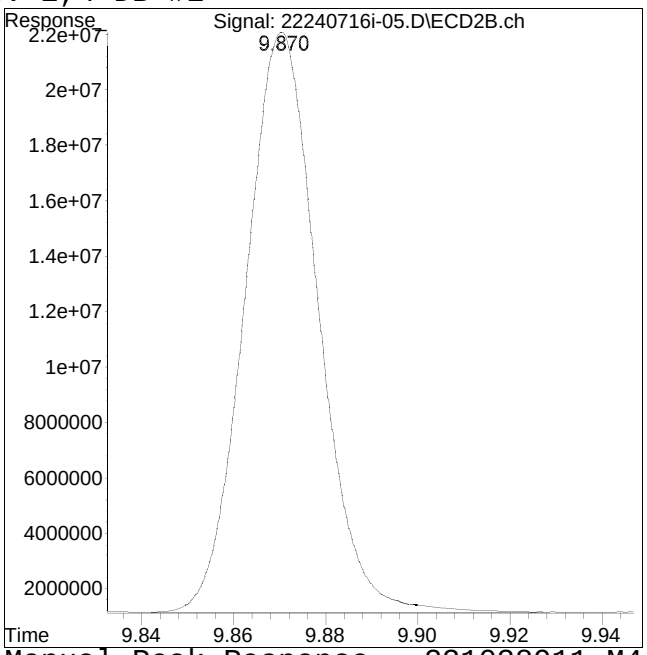
Original Peak Response = 211969574 Manual Peak Response = 210370325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #24: 2,4-DB #2



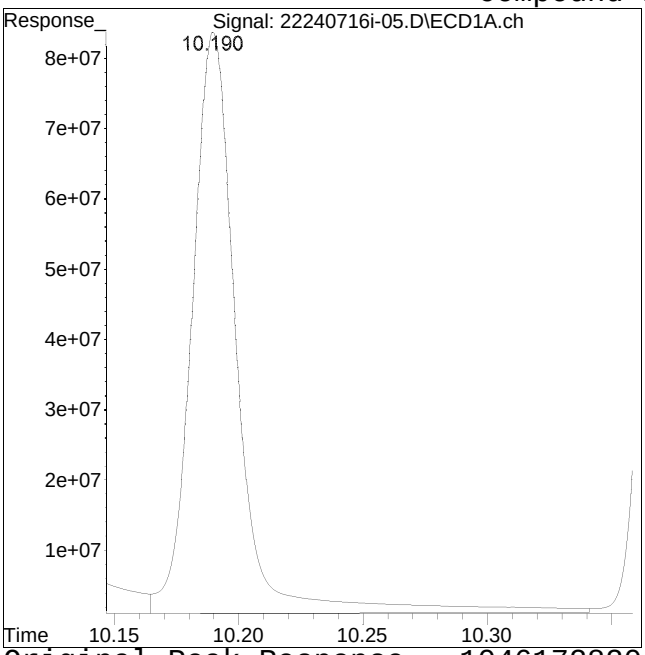


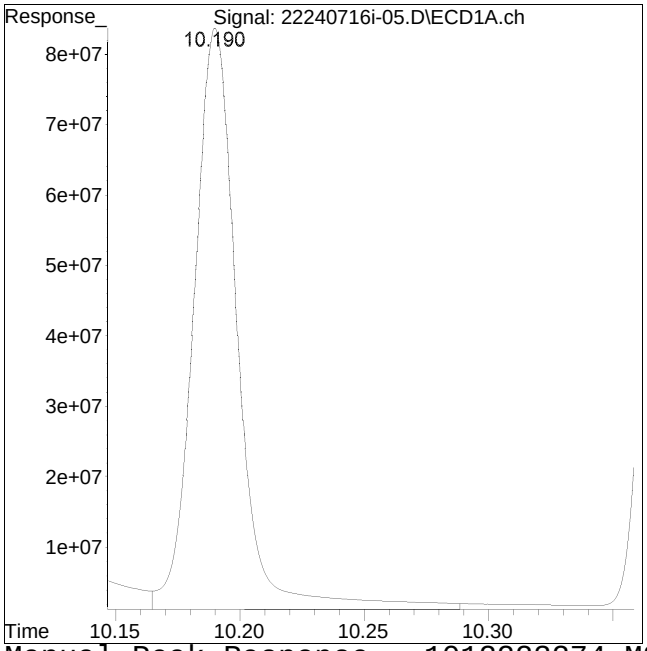
Original Peak Response = 241951375 Manual Peak Response = 231038911 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #12: Dinoseb



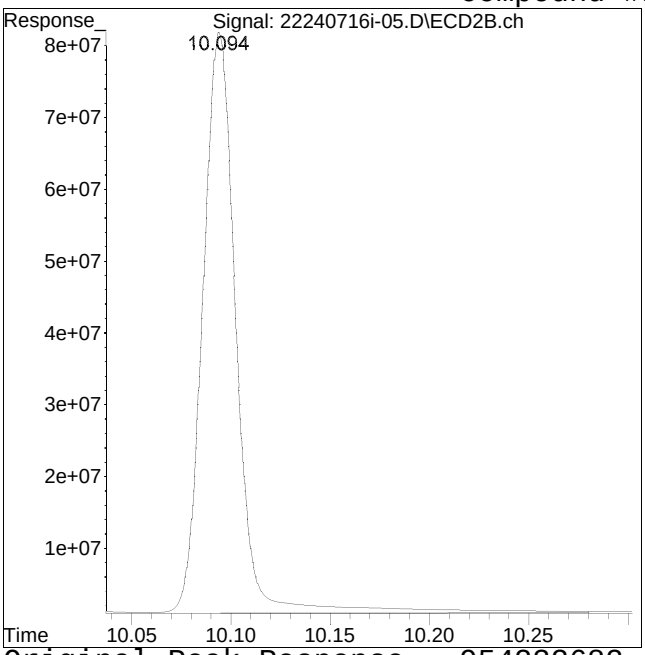


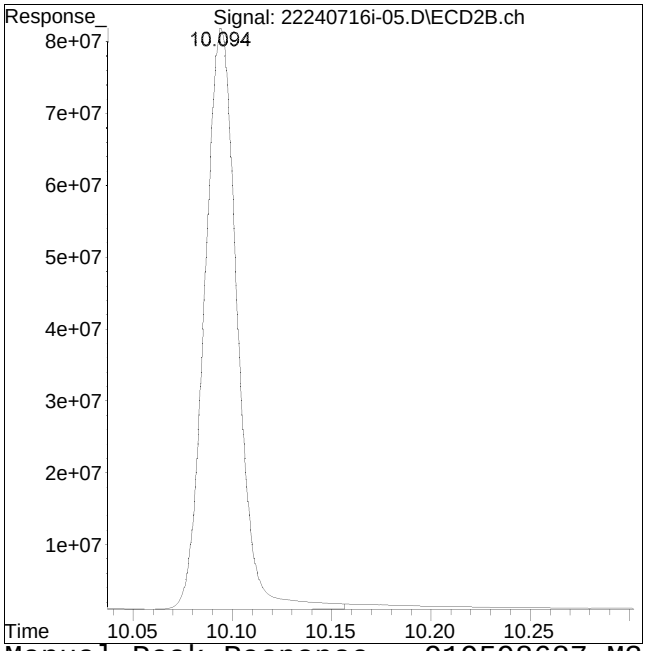
Original Peak Response = 1046172820 Manual Peak Response = 1012223274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #25: Dinoseb #2





Original Peak Response = 954232682 Manual Peak Response = 919598687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	1001.2E6	991.3E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.003	7.458	635.8E6	623.2E6	0.818M4	0.821M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	163.60%#	164.20%#
		Target Compounds						
2)	t	Dalapon	2.413	2.403	709.6E6	669.5E6	0.761	0.791
4)	t	Dicamba	7.186	7.639	1859.6E6	1884.5E6	0.826M4	0.841M4
5)	t	MCPP	7.388	7.751	185.9E6	226.4E6	99.650M3	95.269M4
6)	t	MCPA	7.534	7.977	293.8E6	344.6E6	85.044M4	84.353M4
7)	t	Dichloroprop	7.889	8.293	580.4E6	585.6E6	0.814	0.829M4
8)	t	2,4-D	8.099	8.566	724.4E6	758.5E6	0.836M4	0.798
9)	t	2,4,5-TP (Si	8.814	9.223	2789.0E6	2780.8E6	0.858M4	0.867M3
10)	t	2,4,5-T	9.033	9.510	2817.7E6	2661.5E6	0.867M4	0.878M4
11)	t	2,4-DB	9.439	9.870	404.8E6	449.4E6	0.852M4	0.885M4
12)	t	Dinoseb	10.190	10.094	1949.1E6	1799.9E6	0.845M3	0.871M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

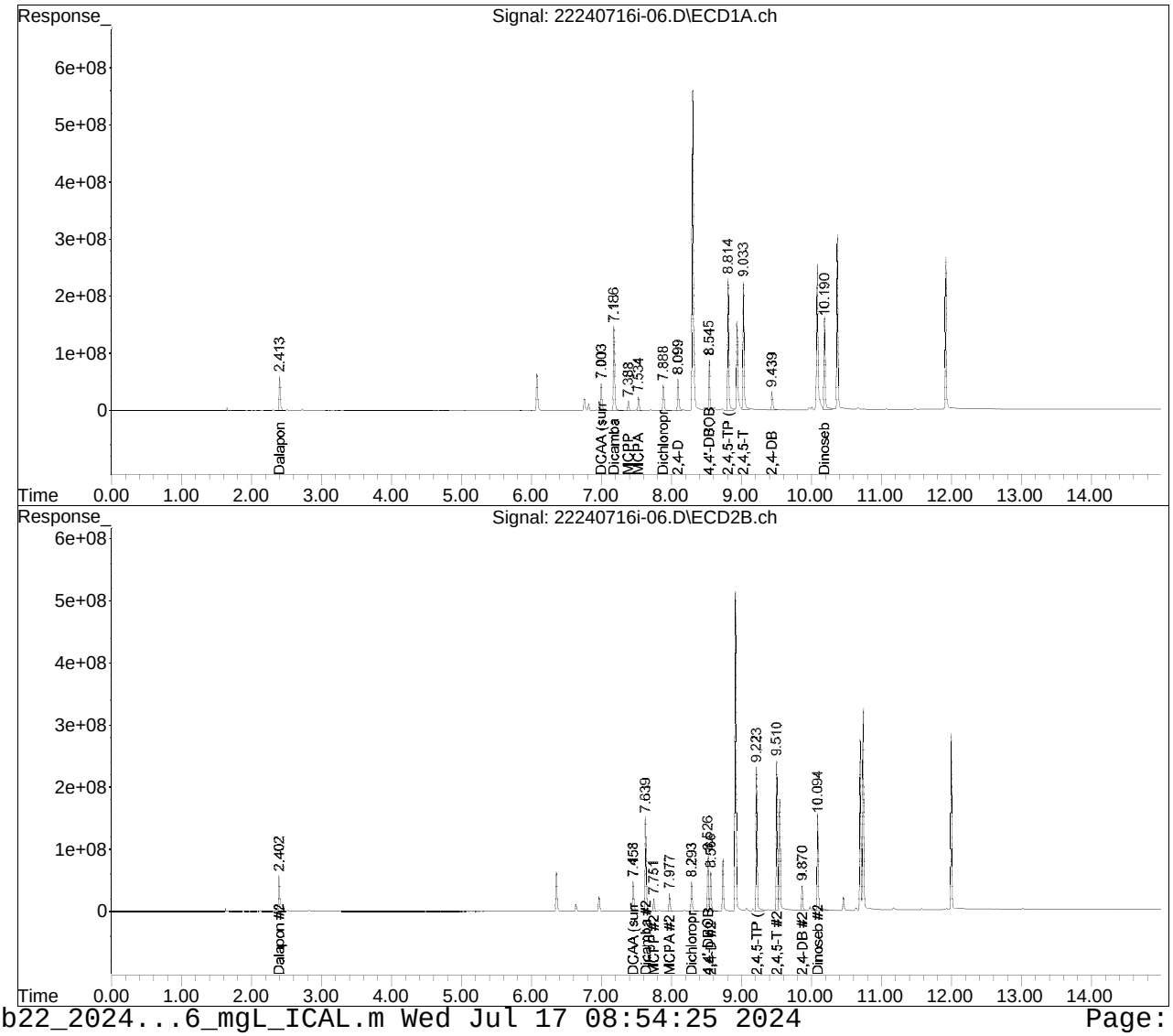
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

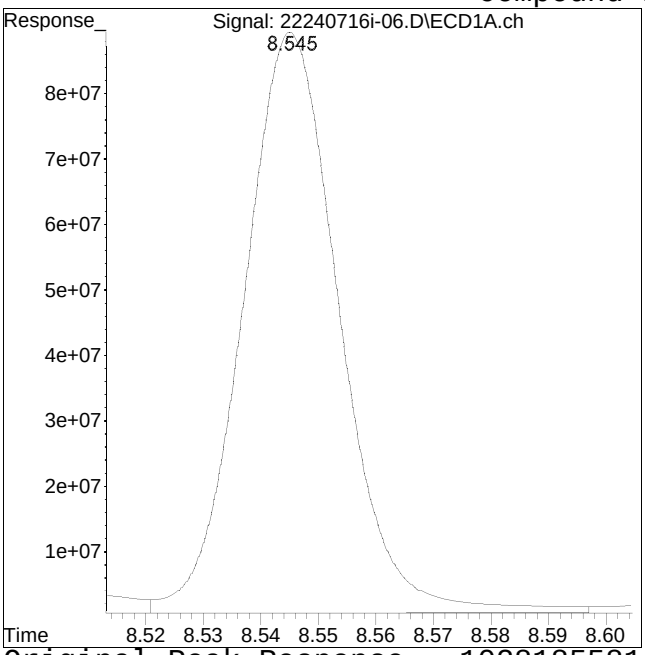
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

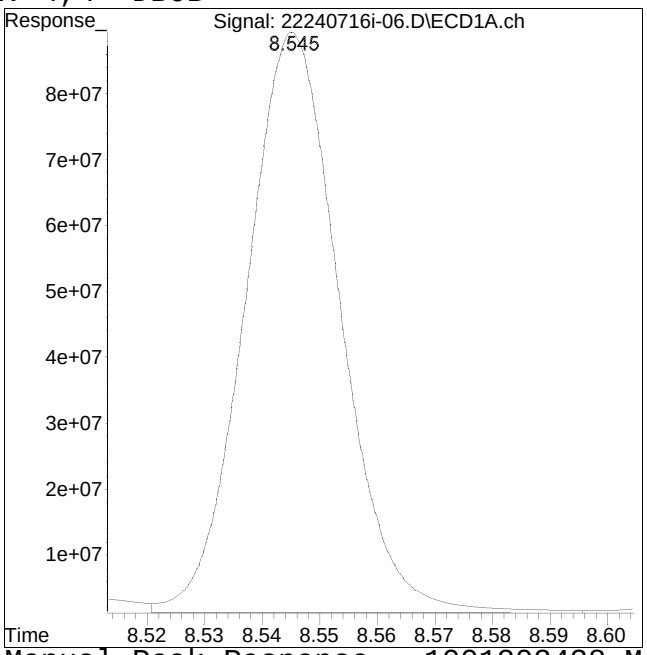


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #1: 4,4'-DBOB



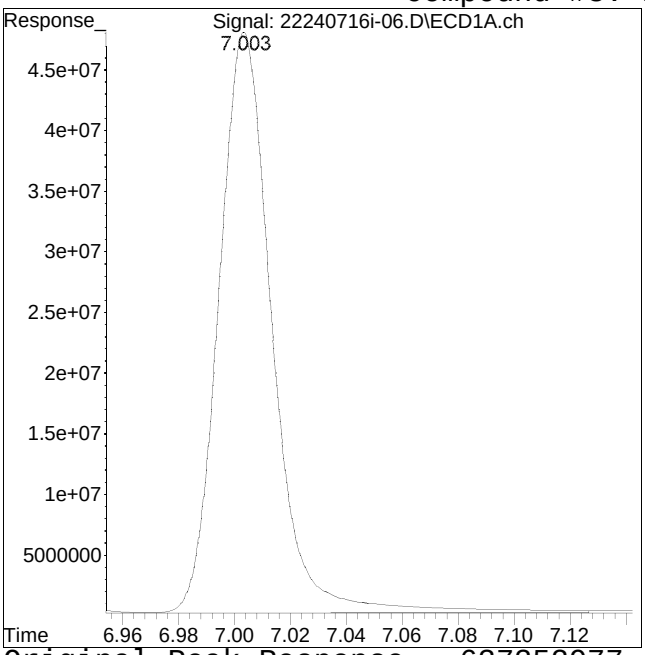


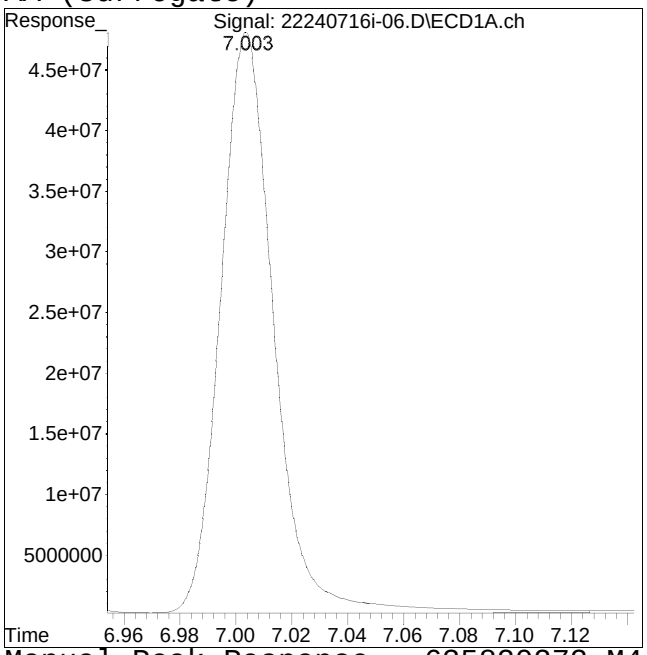
Original Peak Response = 1028185581 Manual Peak Response = 1001202438 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #3: DCAA (surrogate)



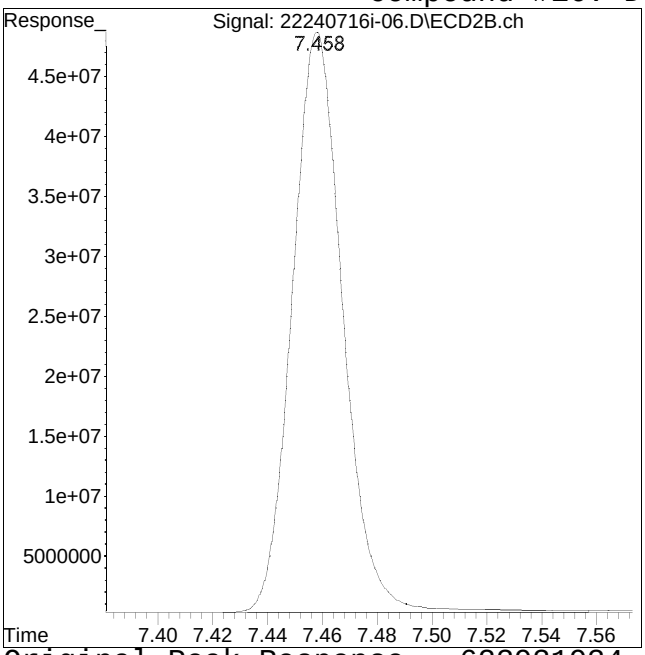


Original Peak Response = 637352977 Manual Peak Response = 635820272 M4
M4 = Poor automated baseline construction.

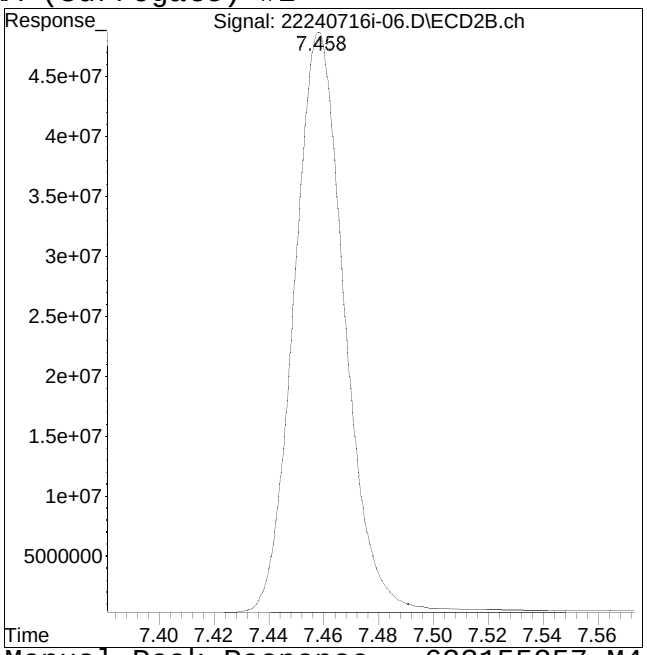
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 623931934



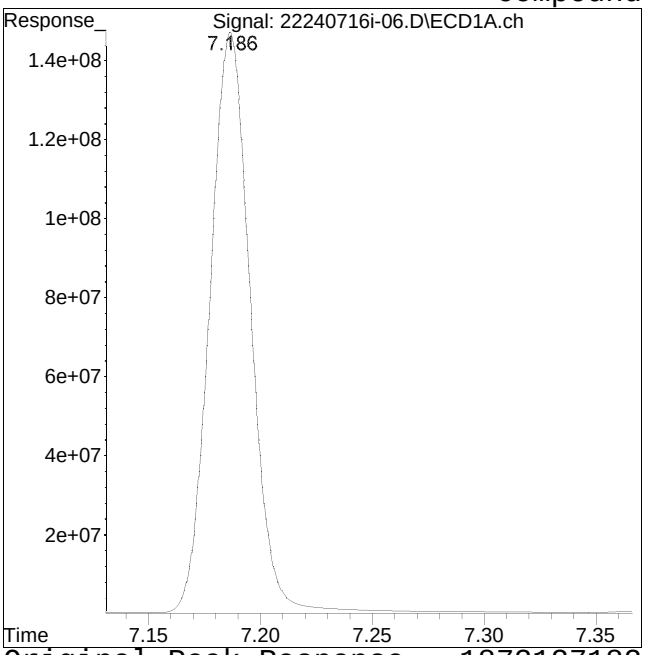
Manual Peak Response = 623155257 M4

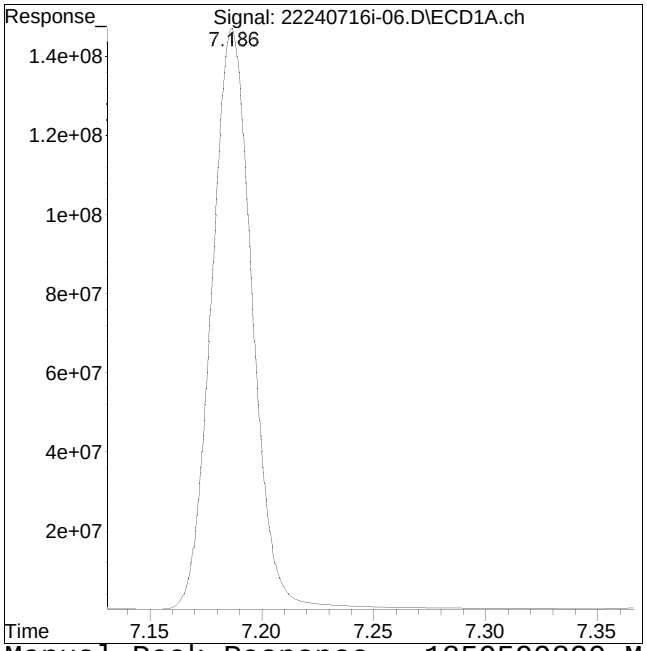
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #4: Dicamba



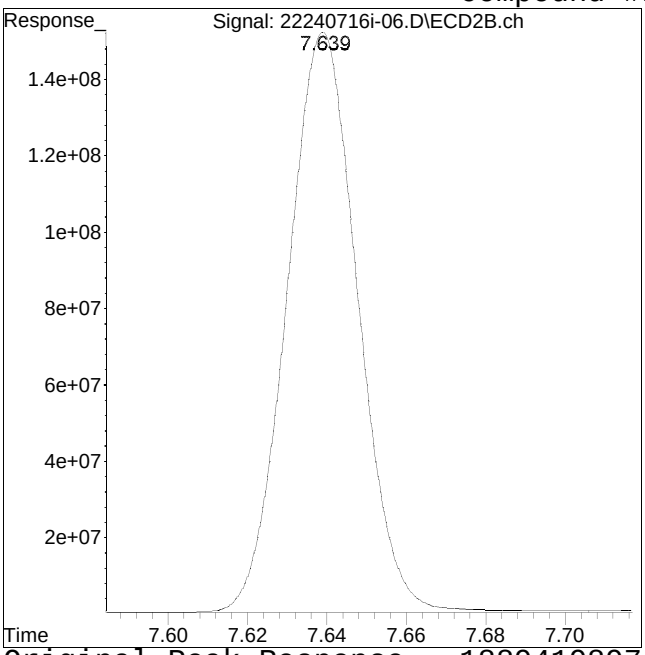


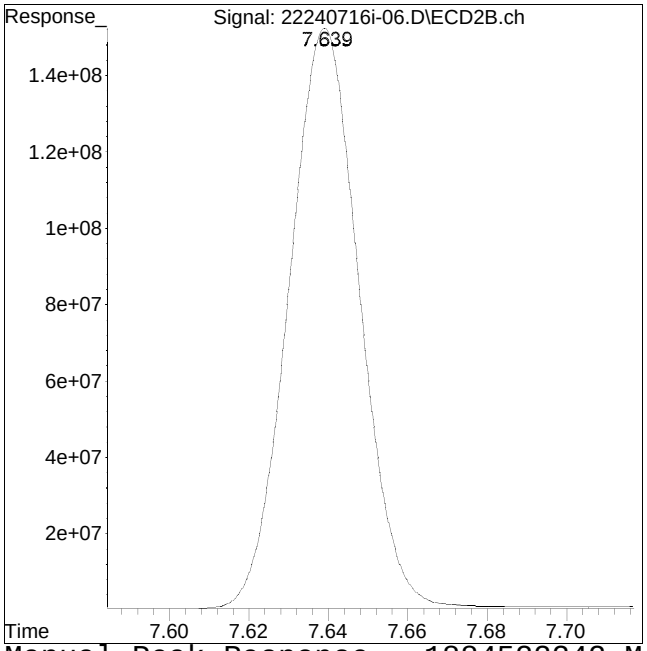
Original Peak Response = 1873127182 Manual Peak Response = 1859599820 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #17: Dicamba #2



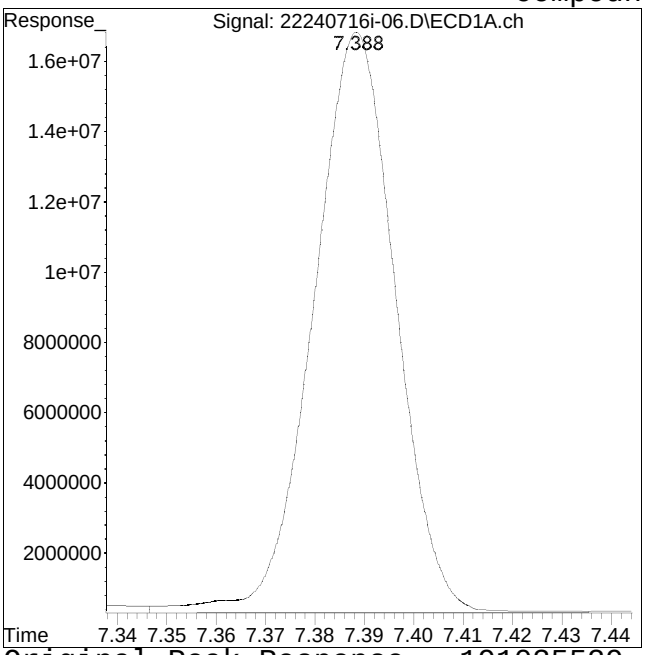


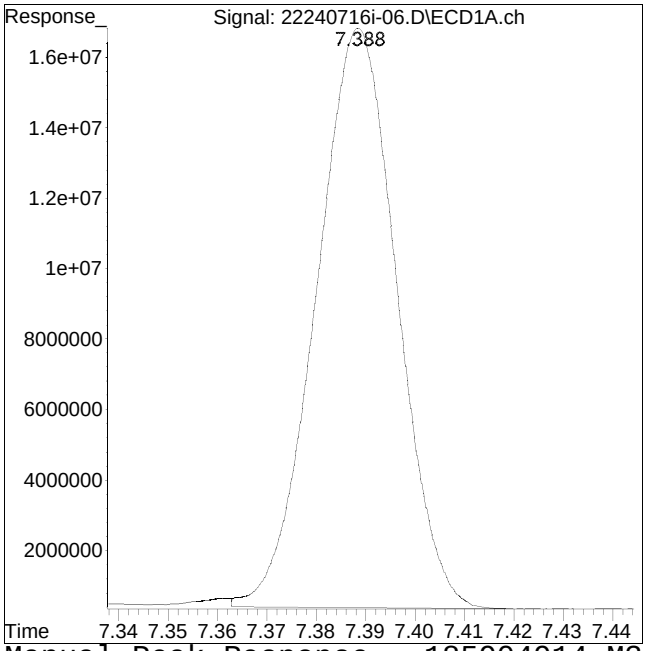
Original Peak Response = 1889419897 Manual Peak Response = 1884522242 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #5: MCPP





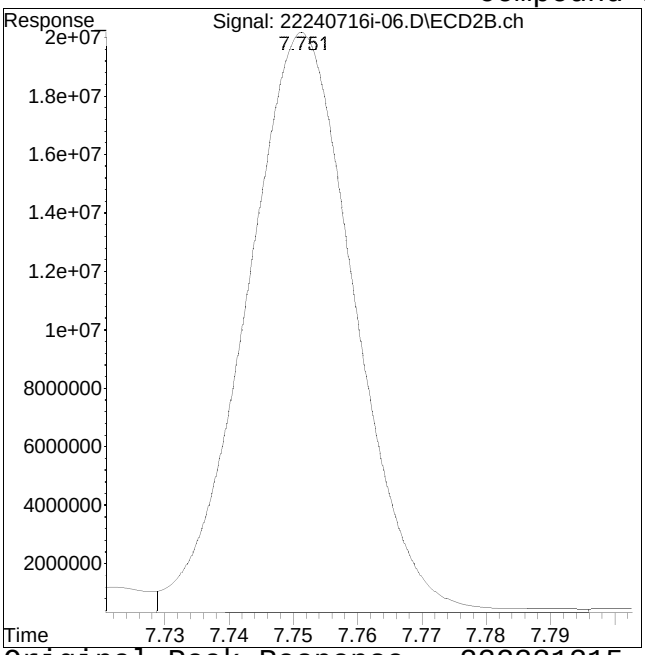
Original Peak Response = 191035529 Manual Peak Response = 185904914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

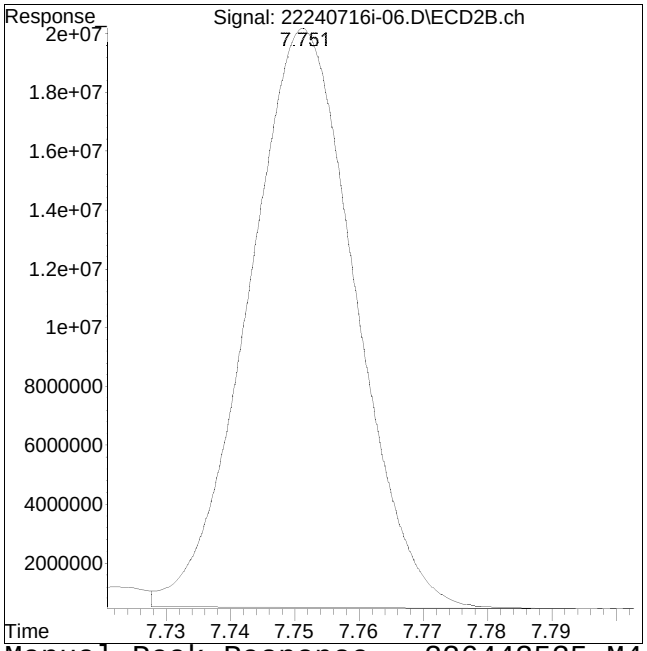
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-06.D
Date Inj'd : 7/16/2024 16:43
Sample : il5herb,42e,,pp 11629 L1/1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:35 pm

Compound #18: MCPP #2



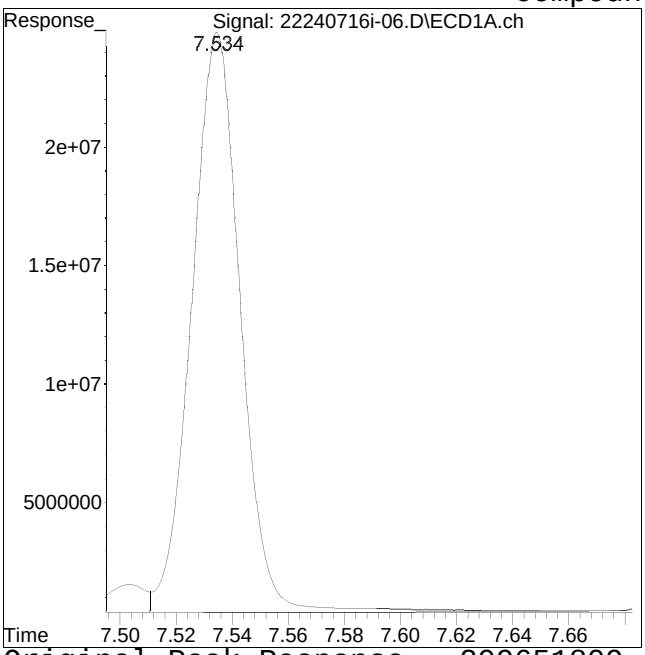


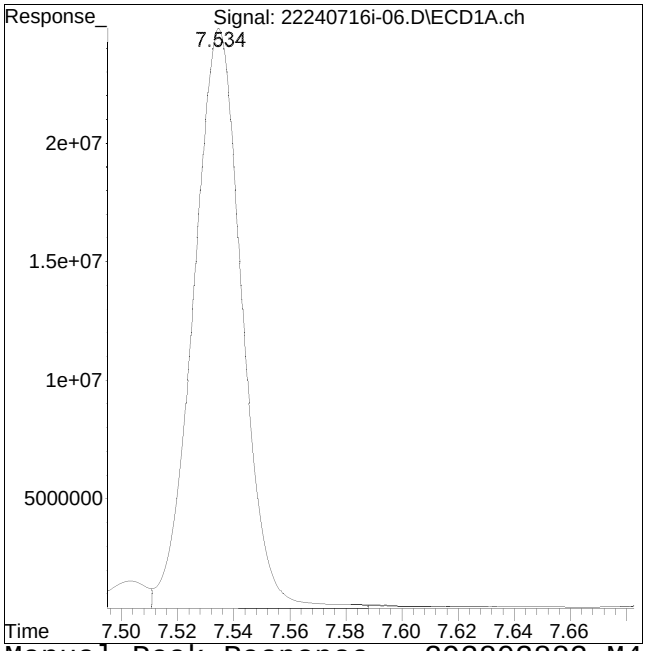
Original Peak Response = 232331315 Manual Peak Response = 226443535 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #6: MCPA



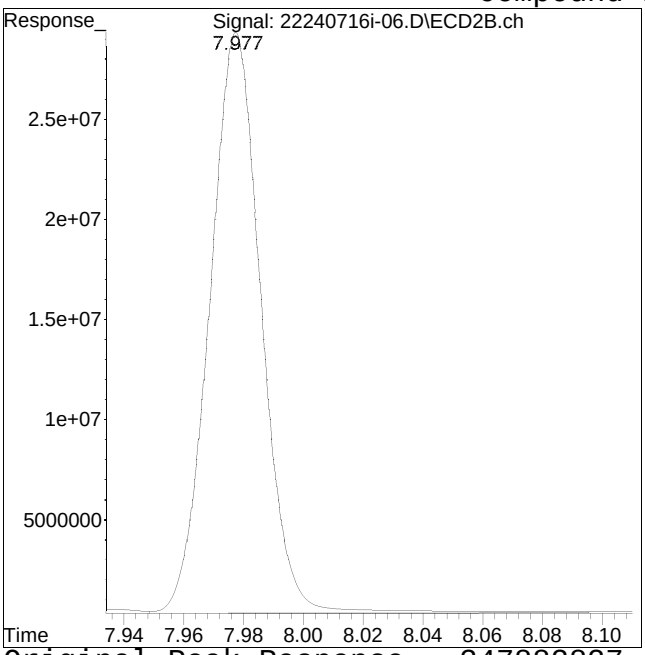


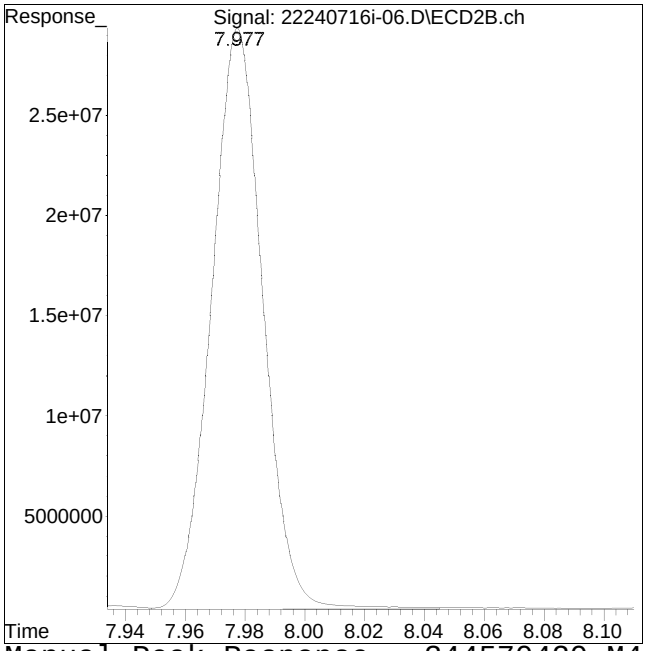
Original Peak Response = 299651809 Manual Peak Response = 293803883 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #19: MCPA #2



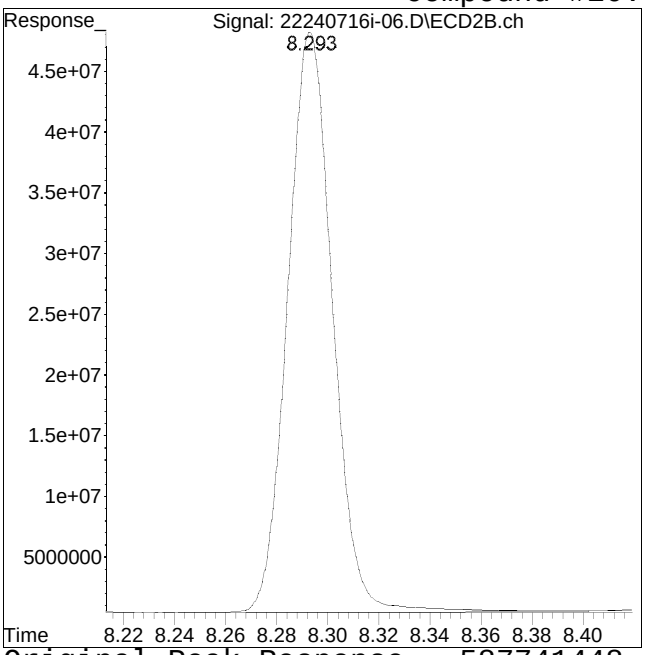


Original Peak Response = 347882827 Manual Peak Response = 344570420 M4
M4 = Poor automated baseline construction.

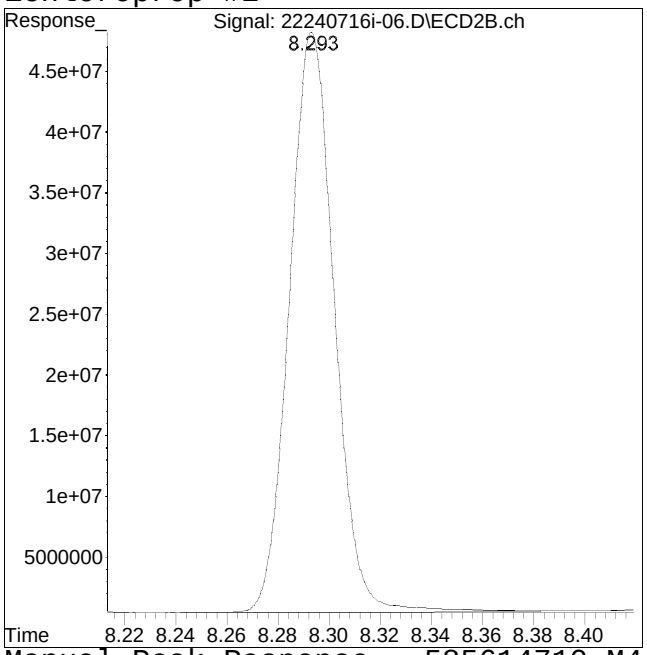
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #20: Dichloroprop #2



Original Peak Response = 587741448



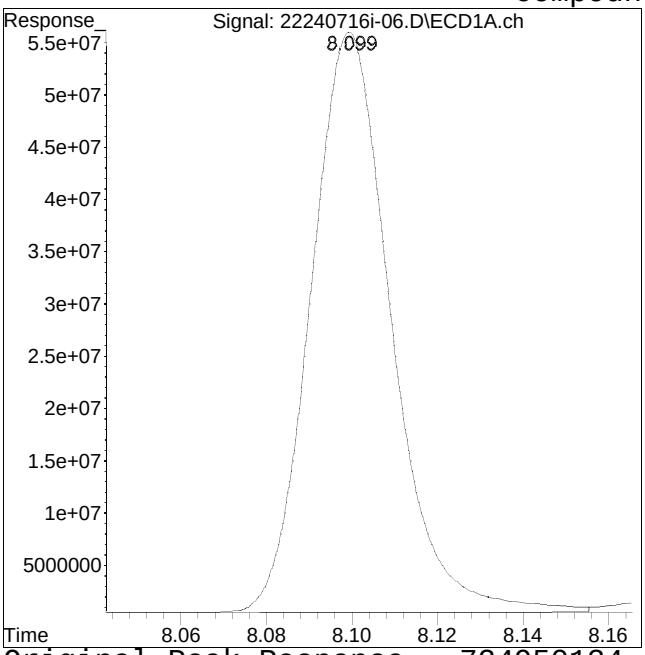
Manual Peak Response = 585614710 M4

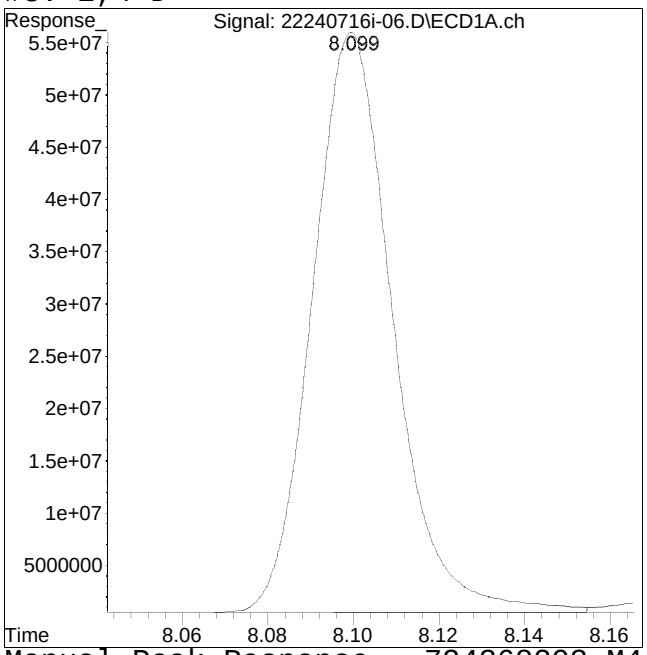
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #8: 2,4-D



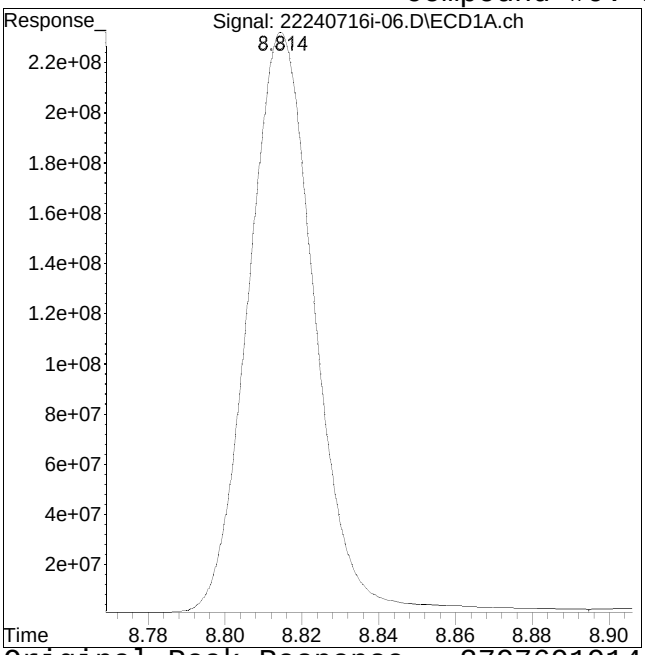


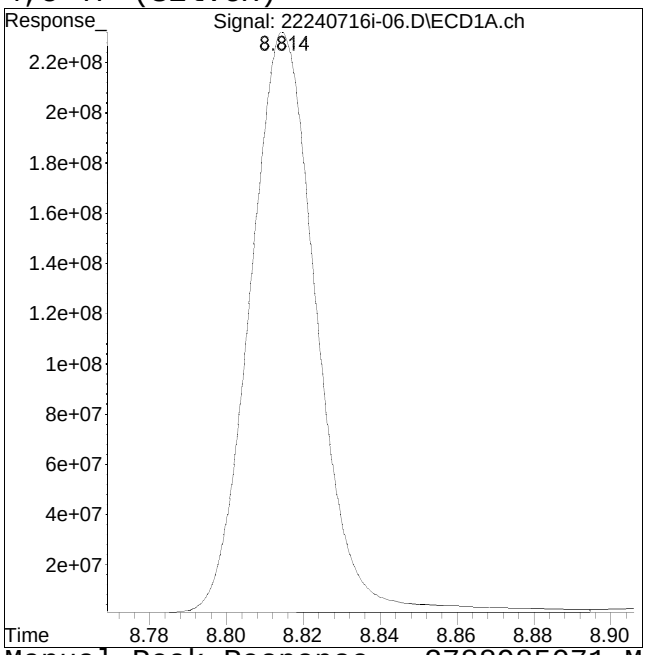
Original Peak Response = 724950134 Manual Peak Response = 724368293 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #9: 2,4,5-TP (Silvex)



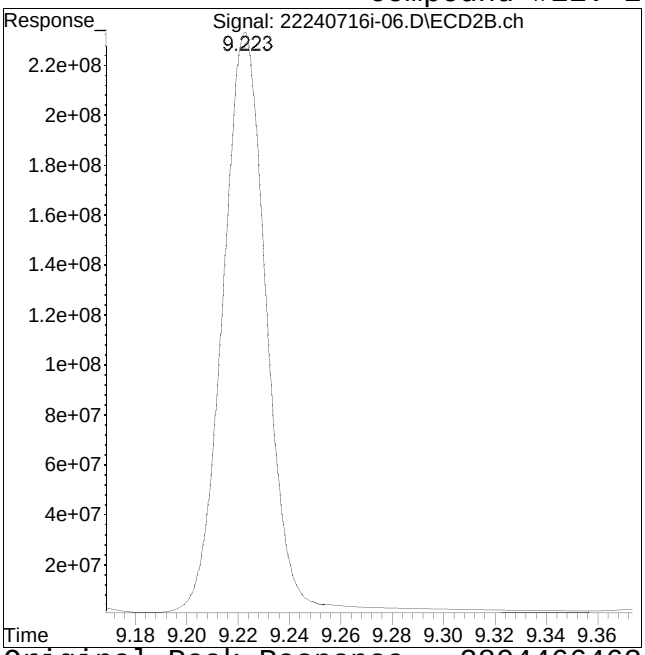


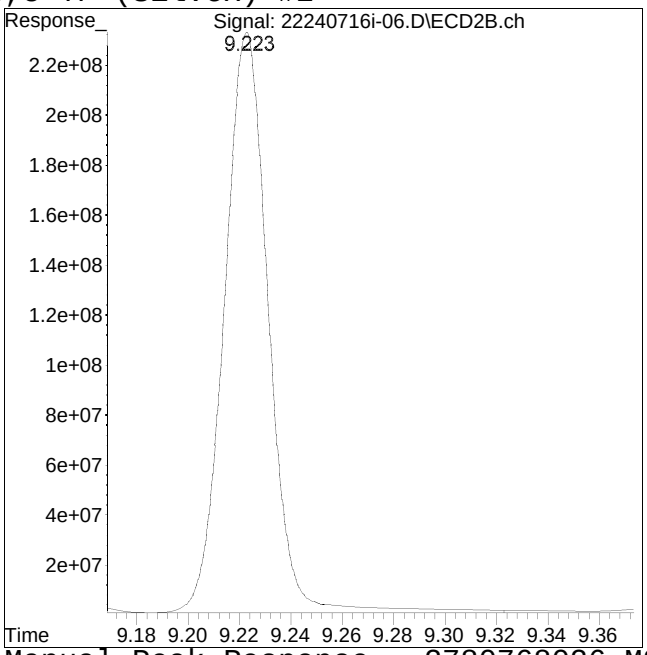
Original Peak Response = 2797691914 Manual Peak Response = 2788985071 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #22: 2,4,5-TP (Silvex) #2



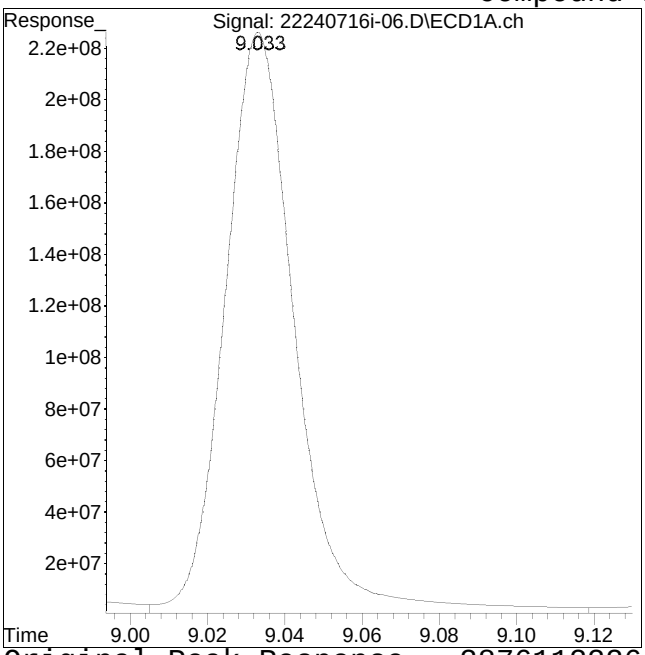


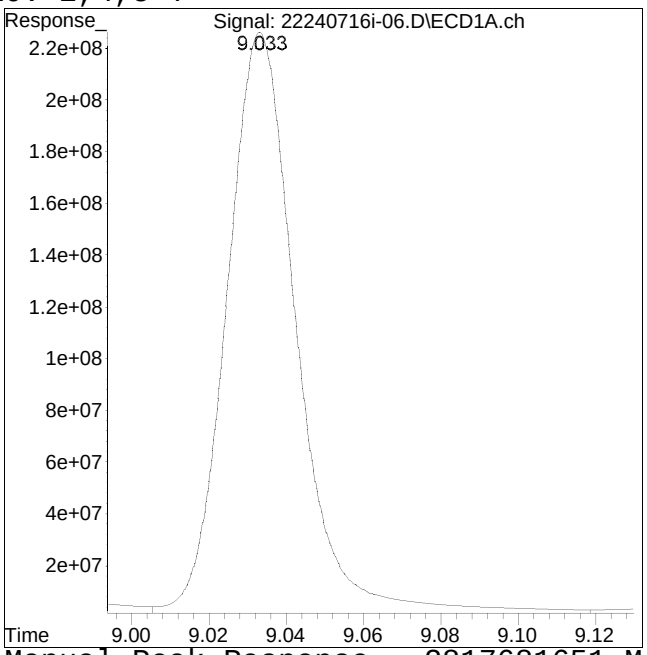
Original Peak Response = 2804466463 Manual Peak Response = 2780768026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #10: 2,4,5-T



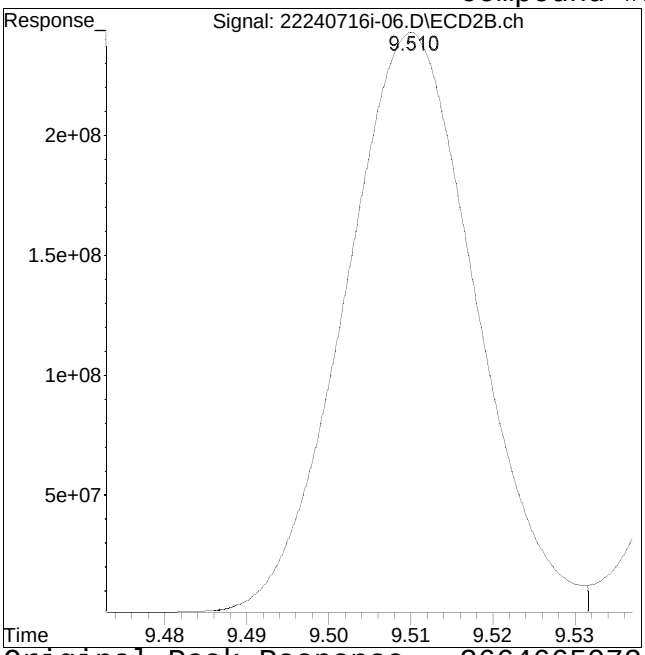


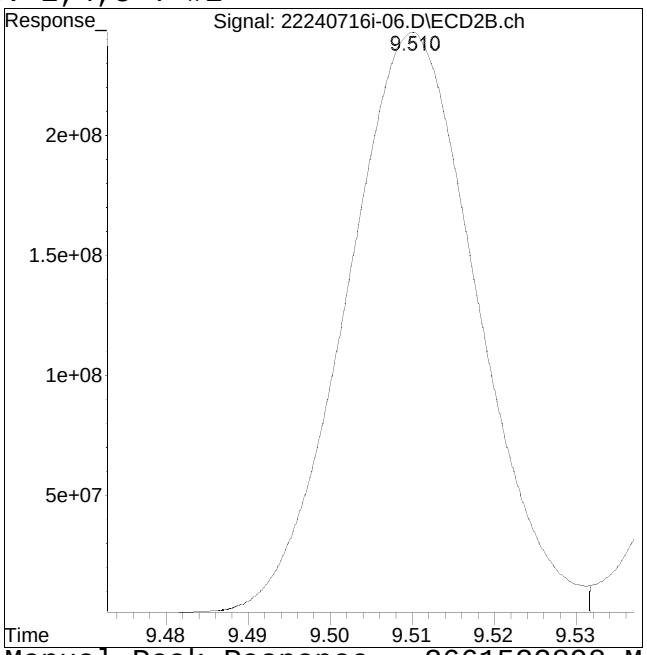
Original Peak Response = 2876112226 Manual Peak Response = 2817681651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #23: 2,4,5-T #2



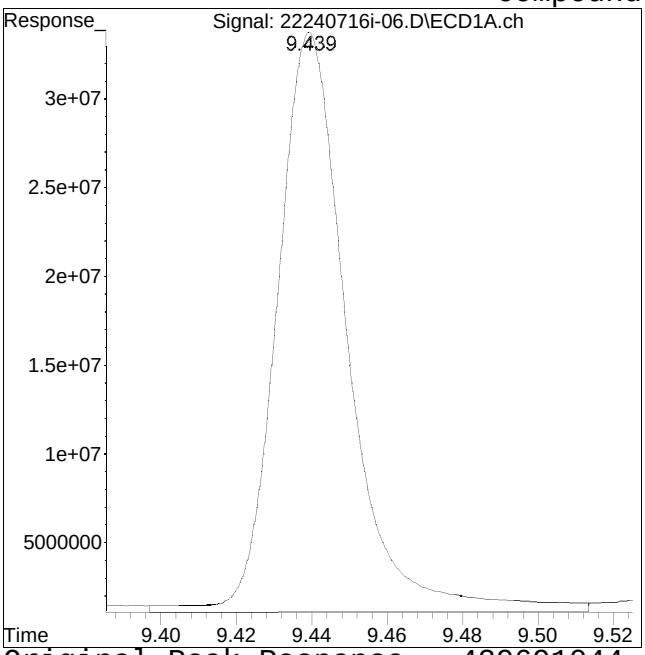


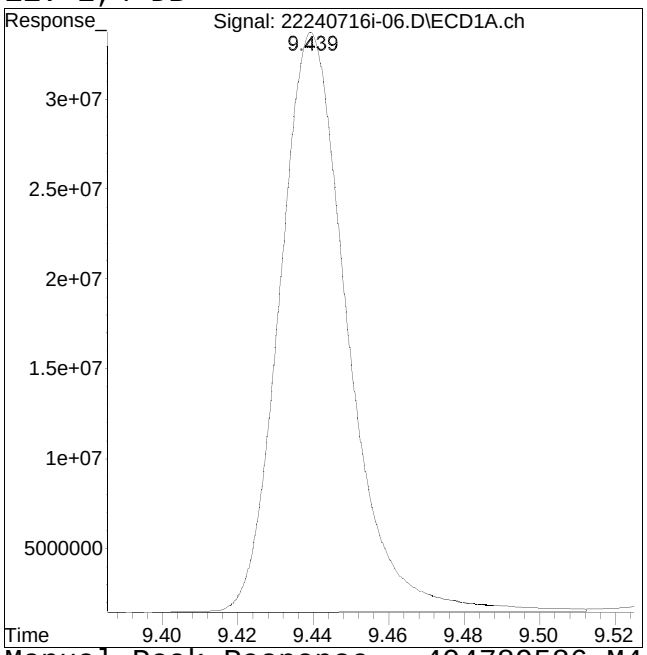
Original Peak Response = 2664665072 Manual Peak Response = 2661522898 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #11: 2,4-DB



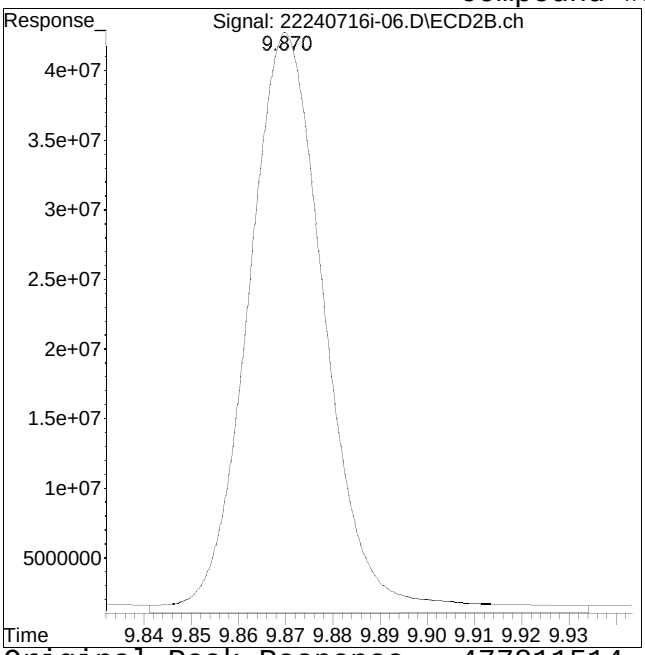


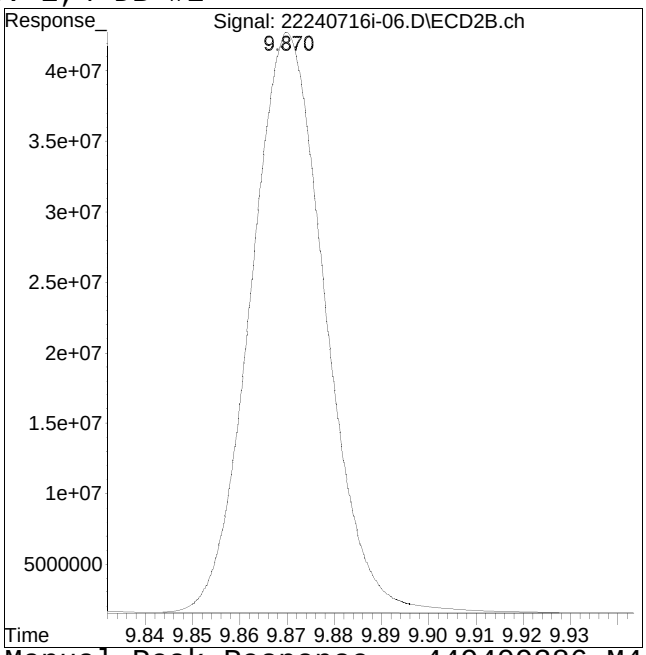
Original Peak Response = 429691044 Manual Peak Response = 404789586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #24: 2,4-DB #2



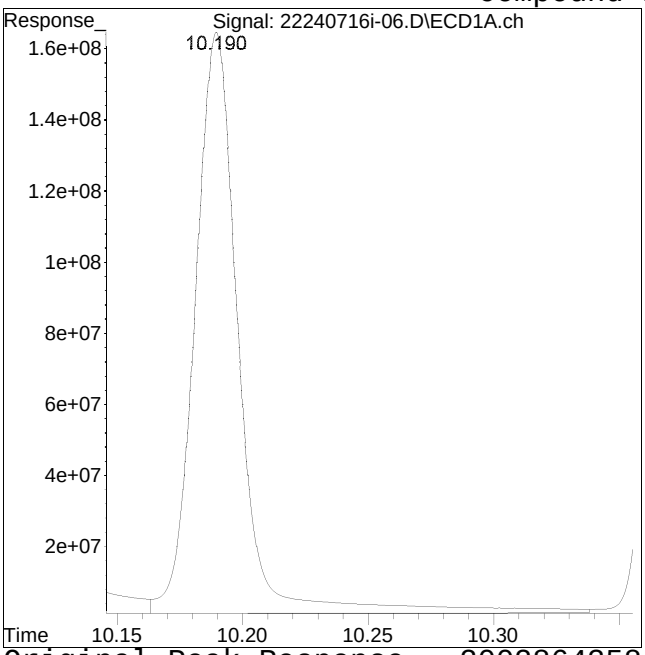


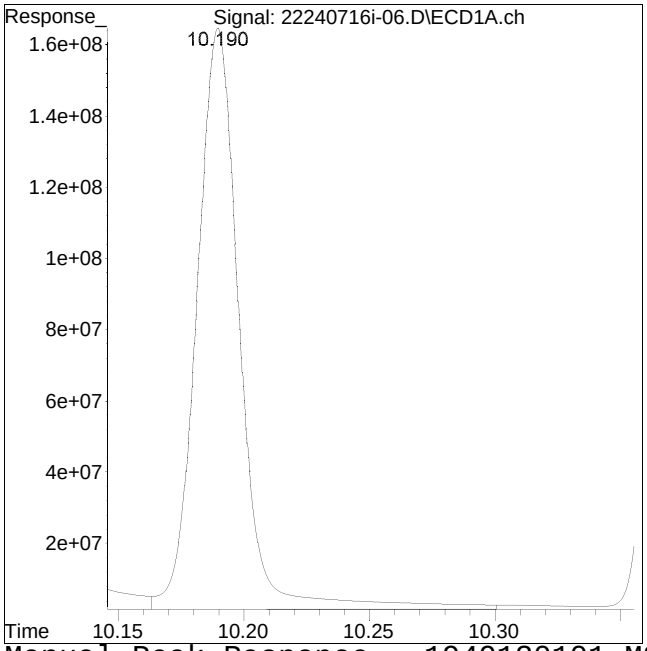
Original Peak Response = 477811514 Manual Peak Response = 449409386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #12: Dinoseb



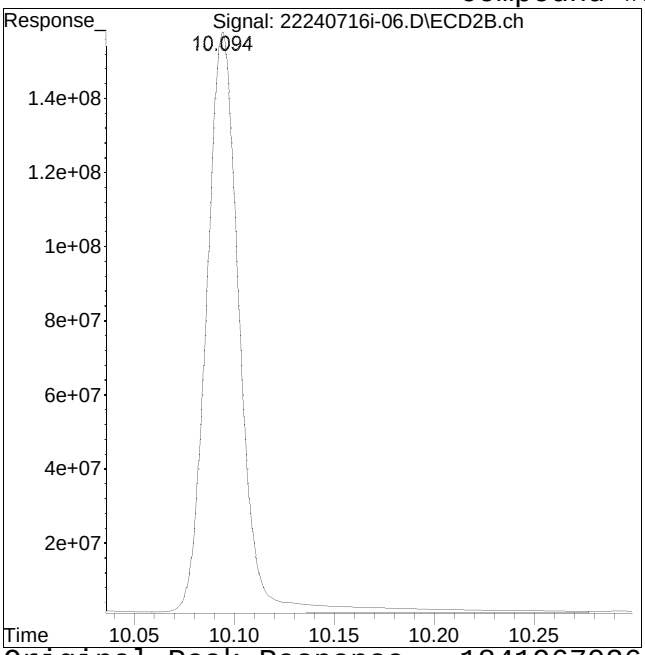


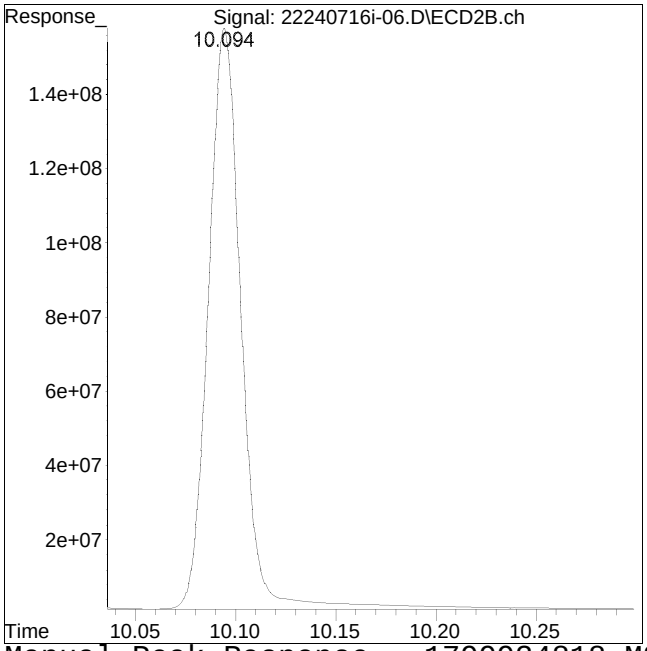
Original Peak Response = 2002864358 Manual Peak Response = 1949130101 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #25: Dinoseb #2





Original Peak Response = 1841967026 Manual Peak Response = 1799934818 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.527	1015.1E6	988.6E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.002	7.458	1192.1E6	1177.4E6	1.582M4	1.624M4
		Spiked Amount	0.500	Range	30 - 150	Recovery =	316.40%#	324.80%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	1332.9E6	1268.8E6	1.492	1.572
4)	t	Dicamba	7.186	7.639	3589.1E6	3642.6E6	1.638M3	1.689M4
5)	t	MCPP	7.390	7.753	388.6E6	464.1E6	201.430M3	194.893M4
6)	t	MCPA	7.536	7.980	580.1E6	671.2E6	170.499M4	170.043M4
7)	t	Dichloroprop	7.888	8.293	1082.7E6	1100.0E6	1.568	1.625M3
8)	t	2,4-D	8.098	8.566	1379.9E6	1448.4E6	1.631M4	1.609
9)	t	2,4,5-TP (Si	8.814	9.223	5330.5E6	5302.3E6	1.672M4	1.707M3
10)	t	2,4,5-T	9.032	9.510	5458.2E6	5216.8E6	1.707M4	1.770M4
11)	t	2,4-DB	9.438	9.870	774.6E6	865.0E6	1.671M4	1.754M4
12)	t	Dinoseb	10.189	10.094	3721.2E6	3387.5E6	1.652M3	1.690M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

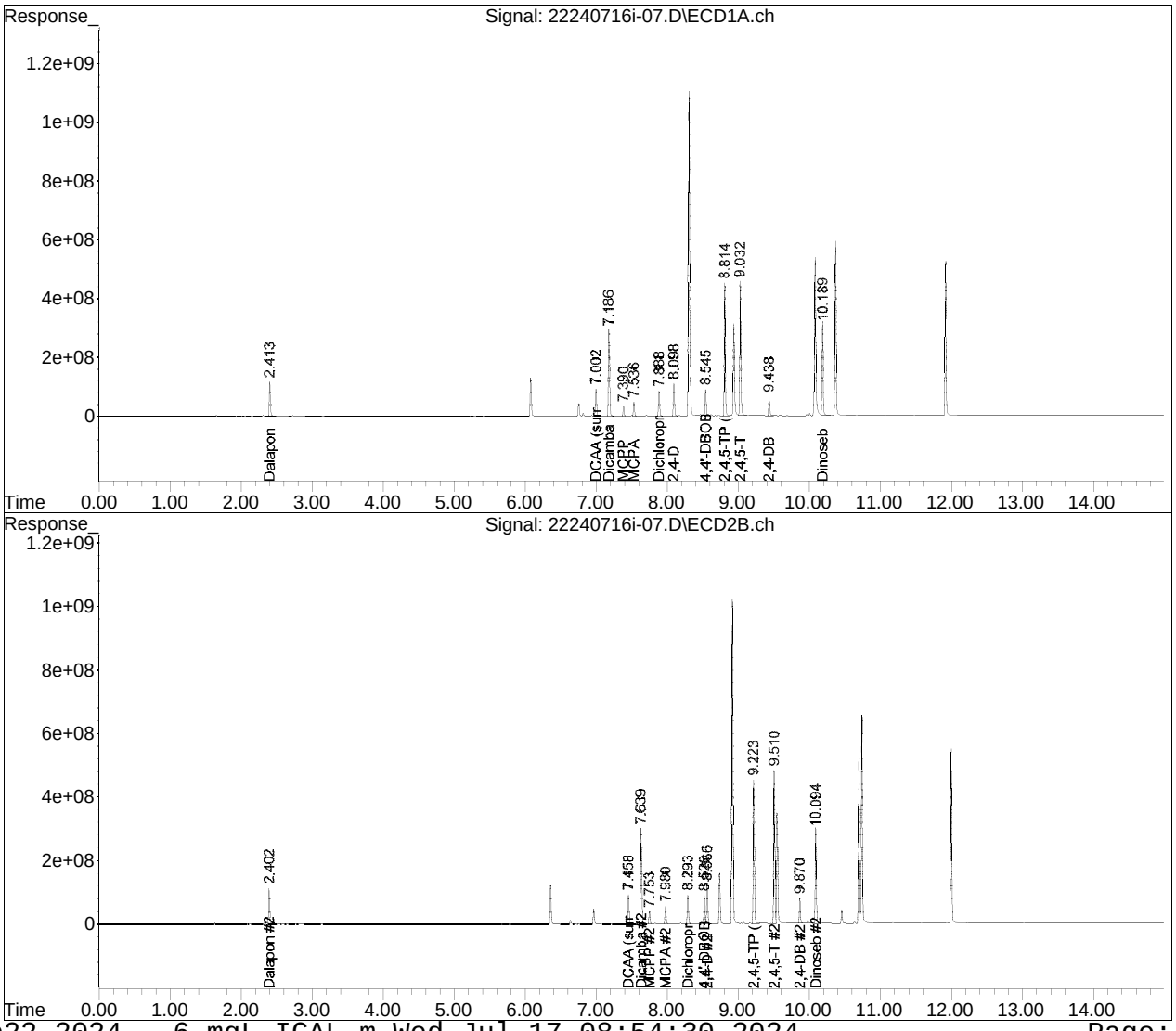
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

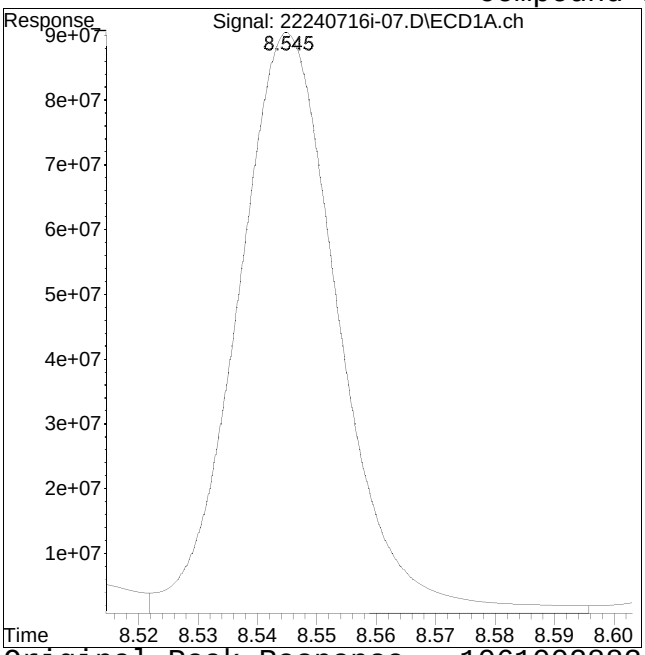
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

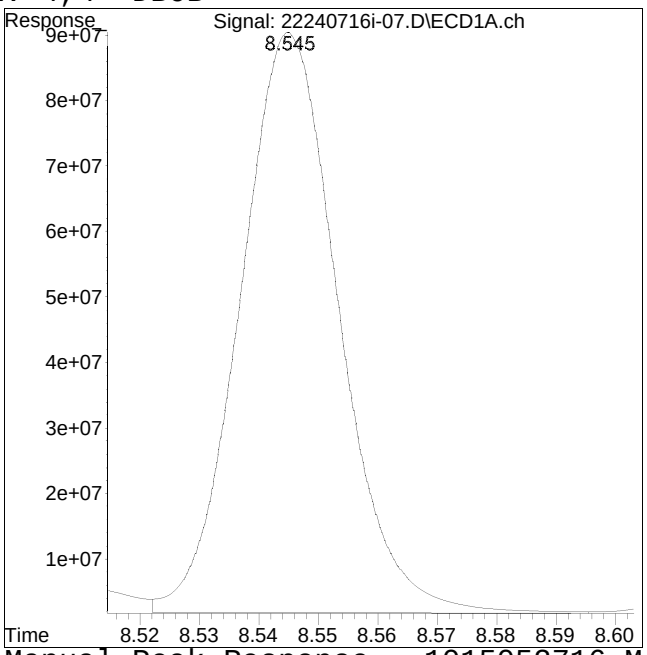


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #1: 4,4'-DBOB



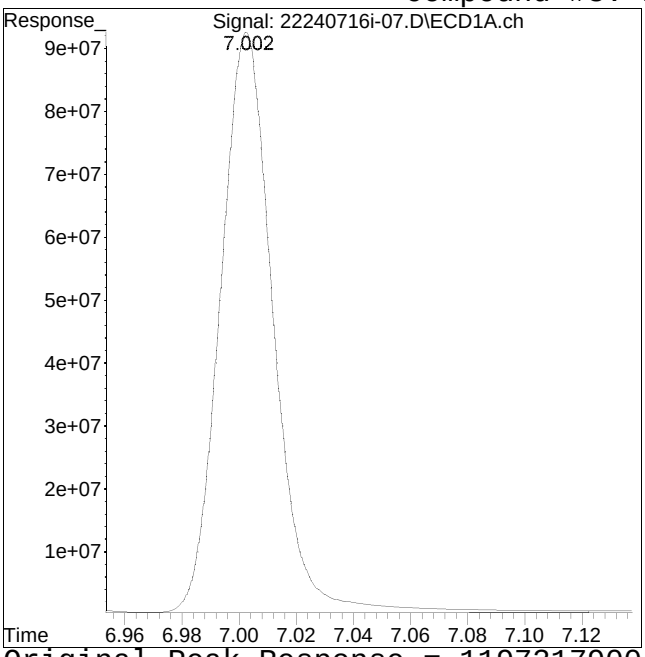


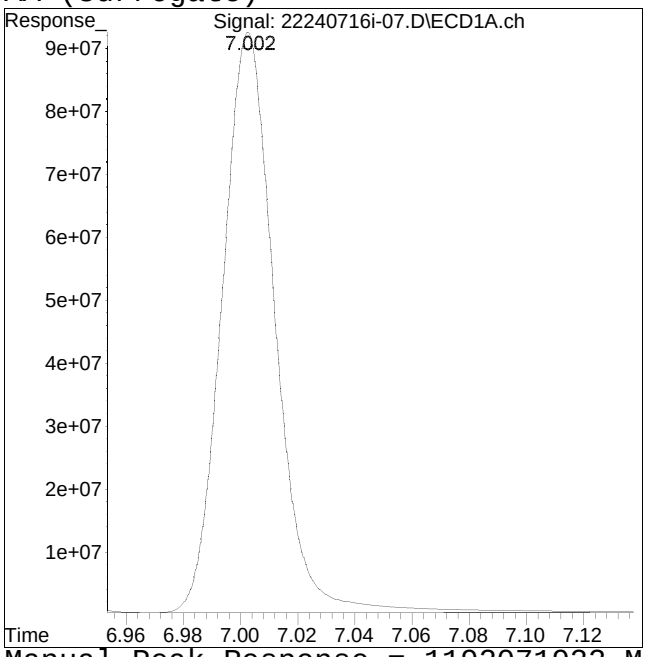
Original Peak Response = 1061002883 Manual Peak Response = 1015052716 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #3: DCAA (surrogate)



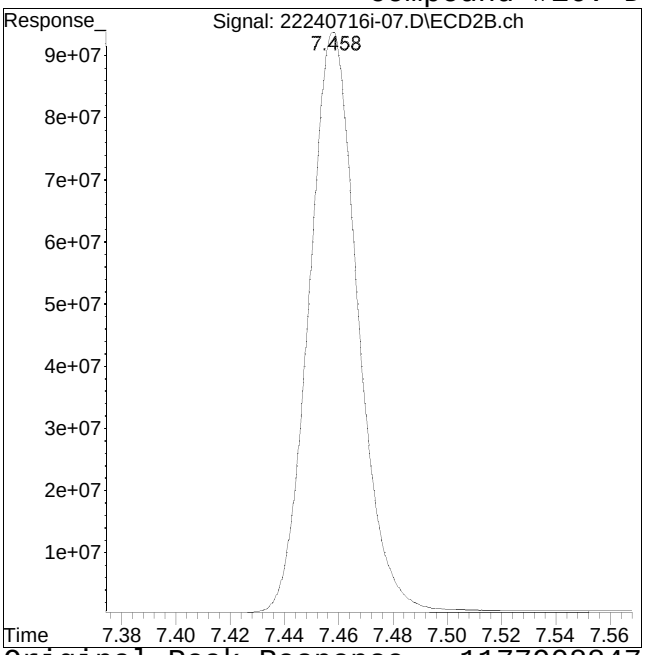


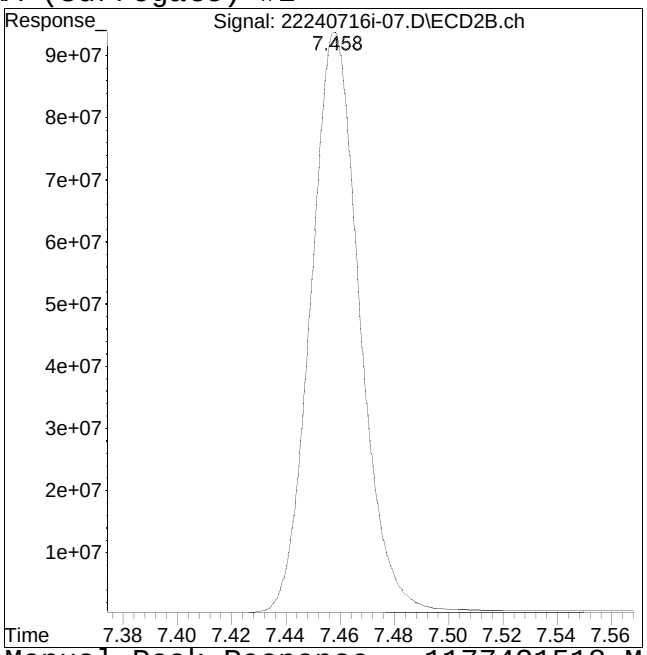
Original Peak Response = 1197317900 Manual Peak Response = 1192071922 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #16: DCAA (surrogate) #2



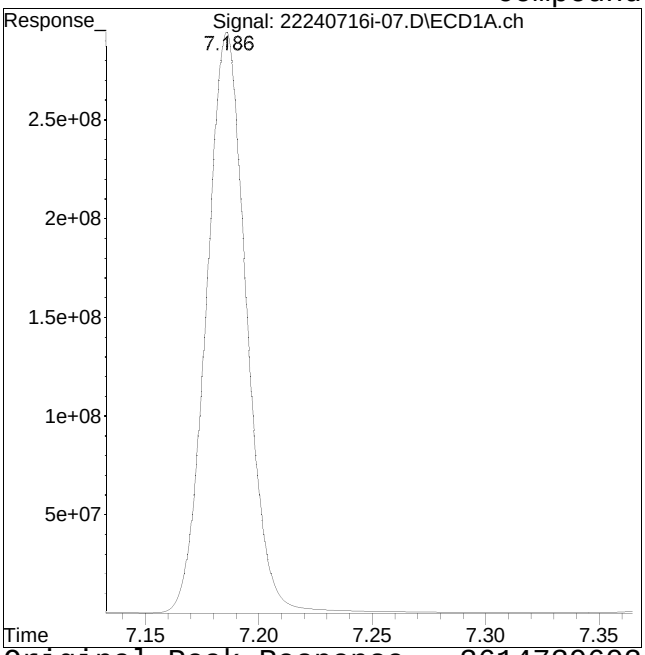


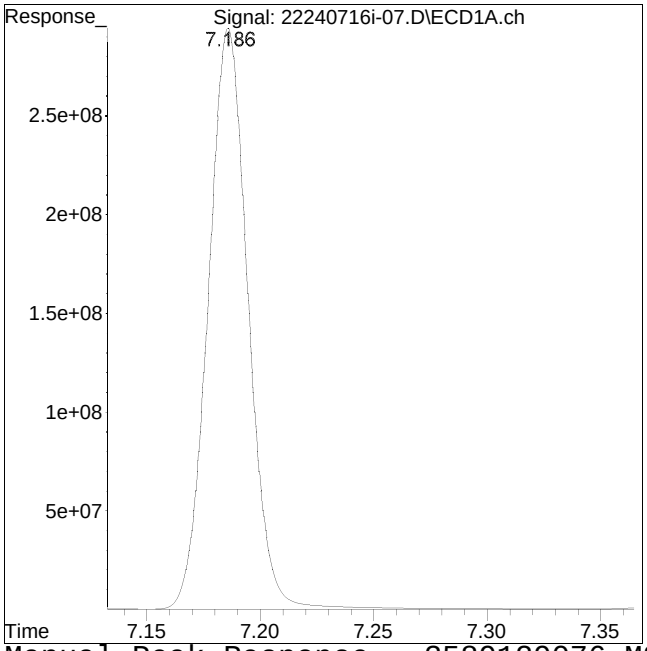
Original Peak Response = 1177908847 Manual Peak Response = 1177431518 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #4: Dicamba



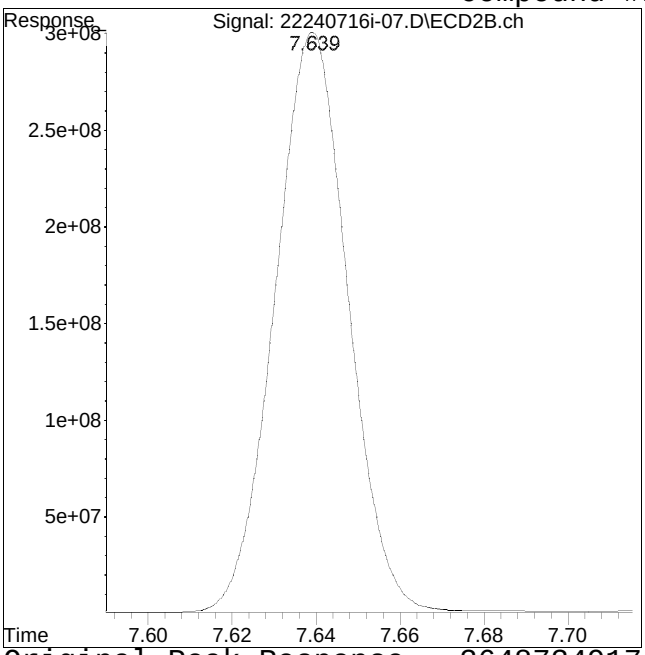


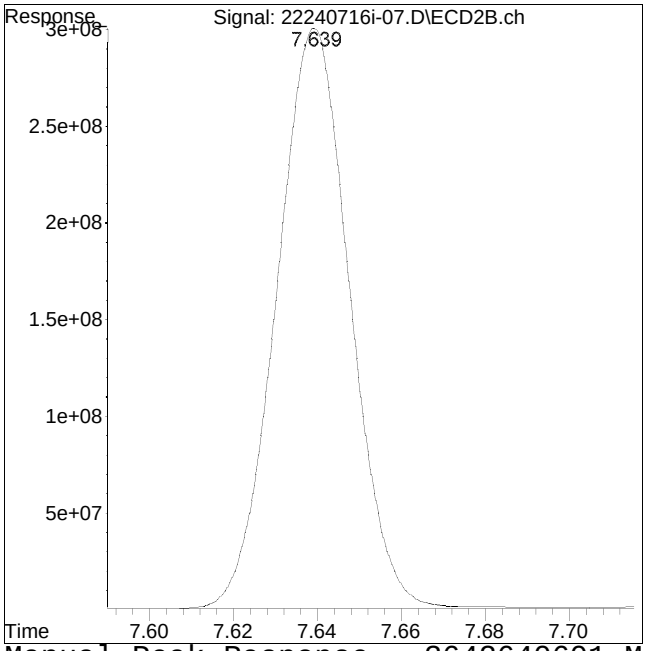
Original Peak Response = 3614739603 Manual Peak Response = 3589129076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #17: Dicamba #2



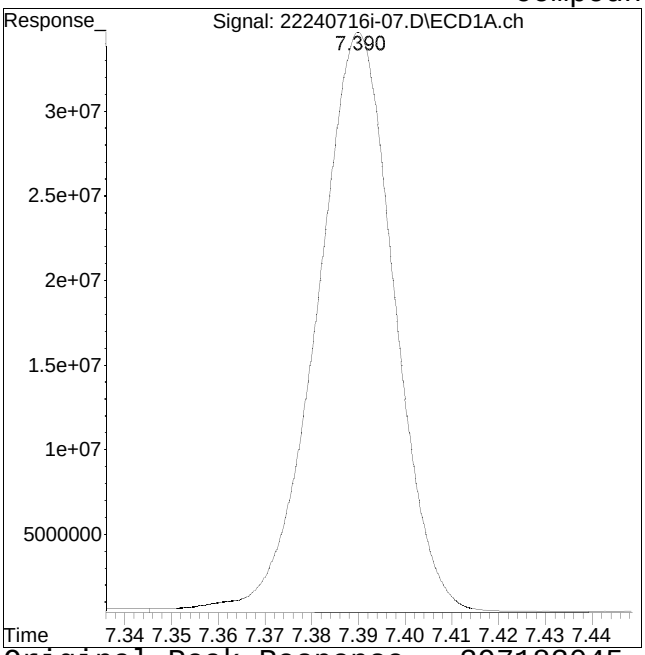


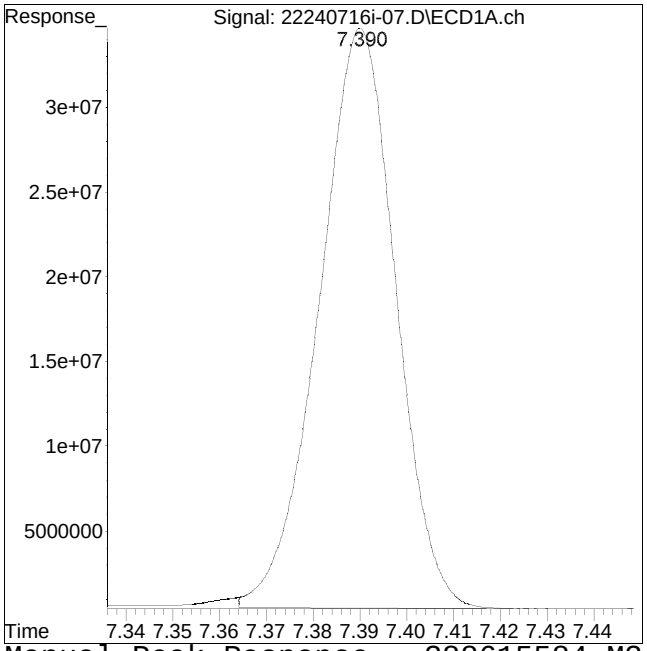
Original Peak Response = 3648734917 Manual Peak Response = 3642640601 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #5: MCPP



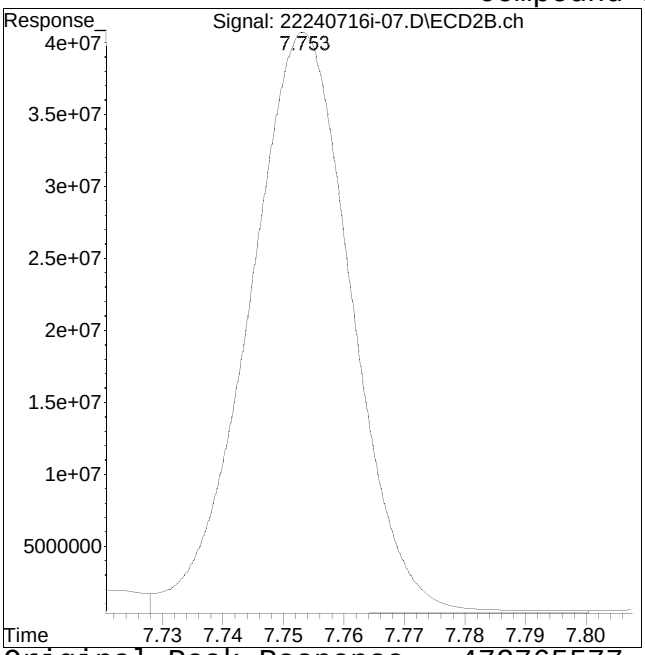


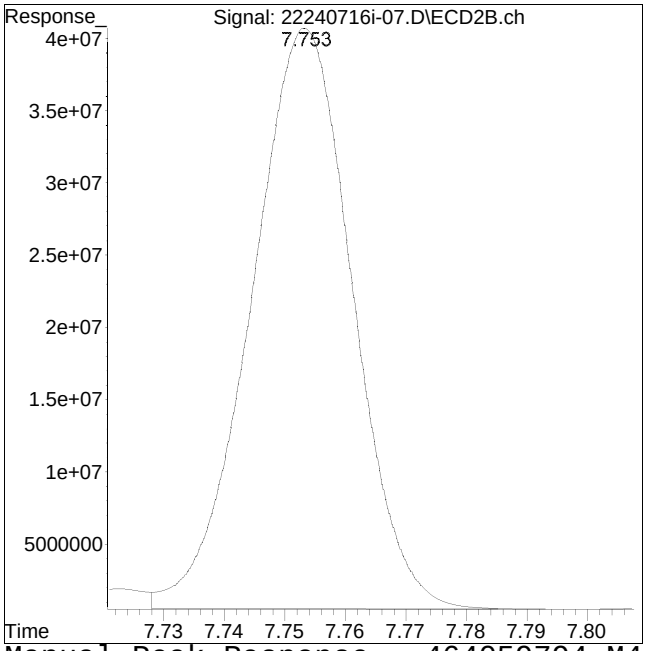
Original Peak Response = 397183045 Manual Peak Response = 388615584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #18: MCPP #2





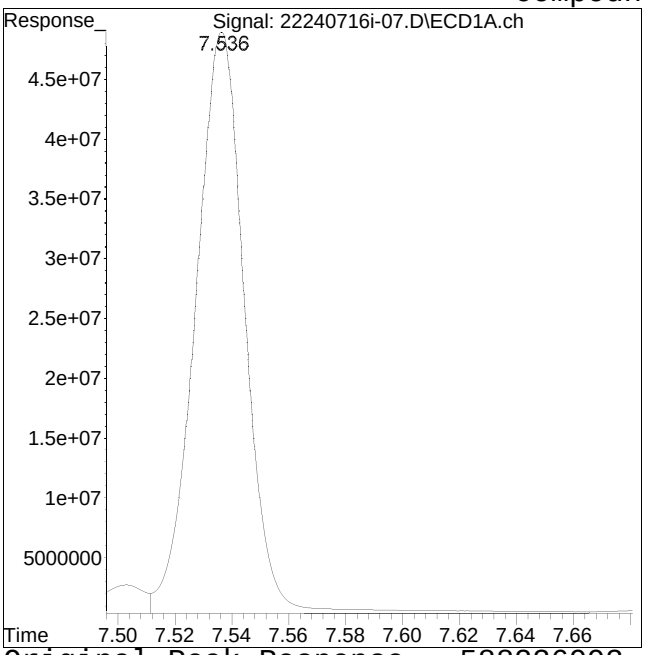
Original Peak Response = 472765577 Manual Peak Response = 464059794 M4
M4 = Poor automated baseline construction.

Manual Integration Report

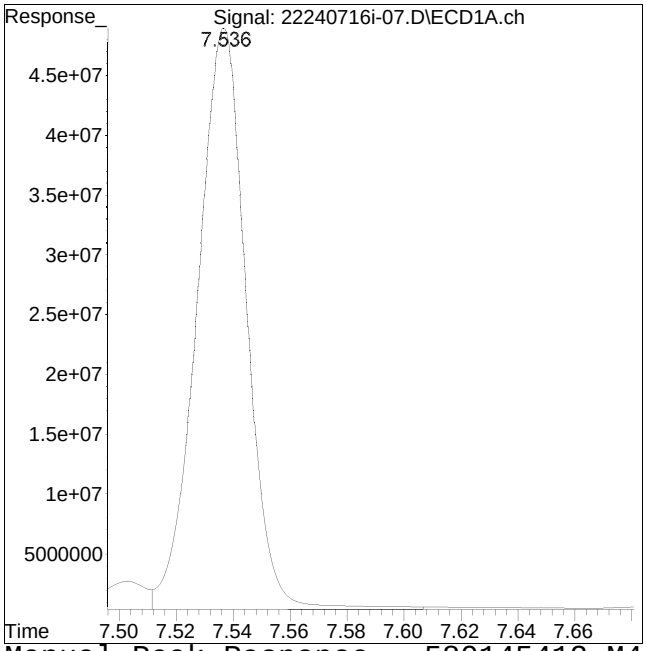
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #6: MCPA



Original Peak Response = 588236993



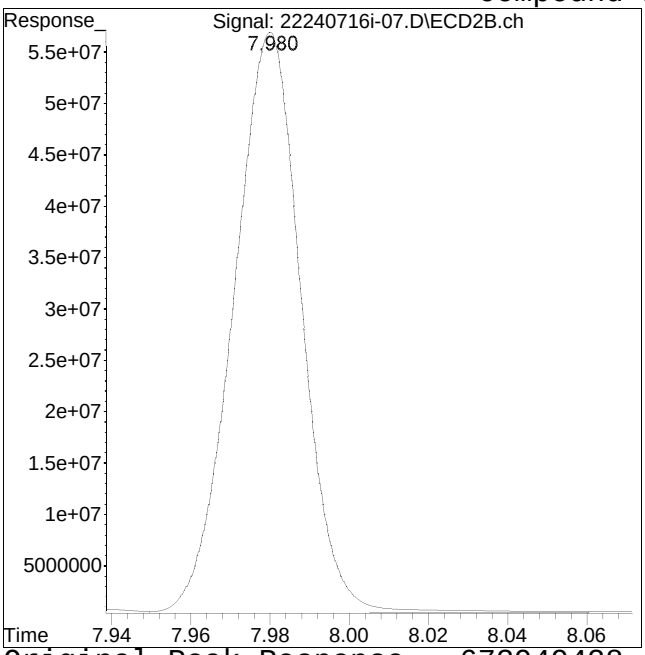
Manual Peak Response = 580145412 M4

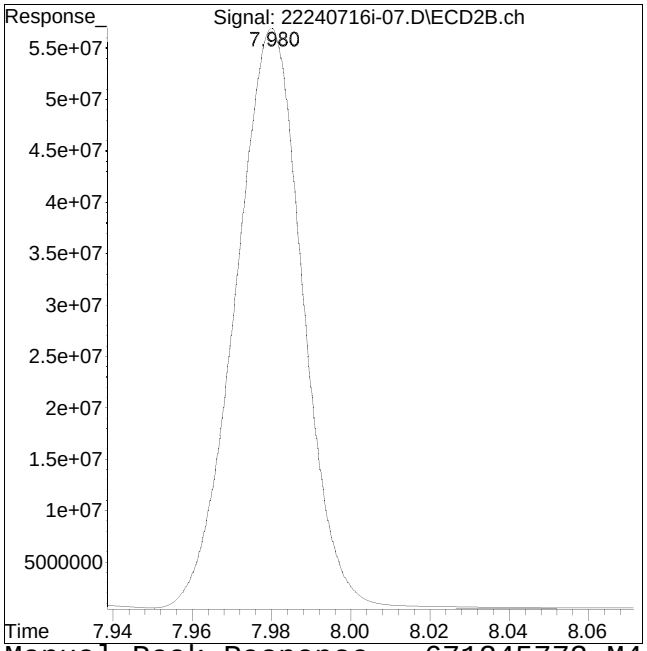
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #19: MCPA #2



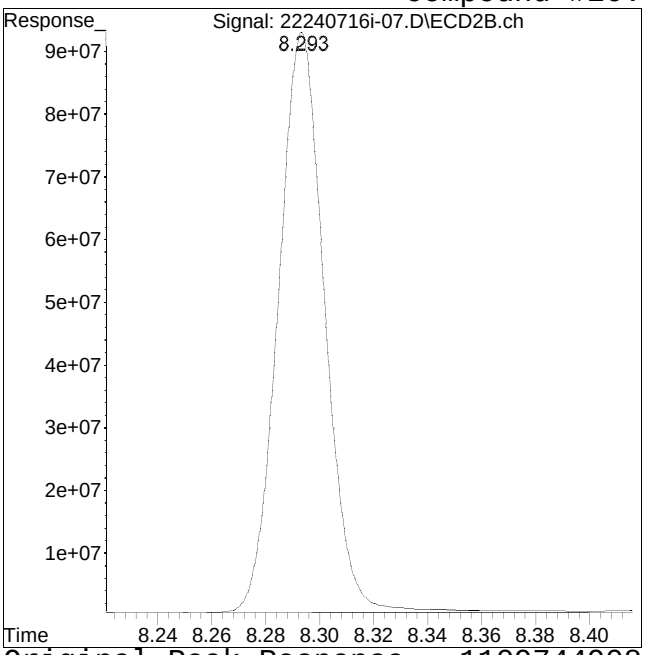


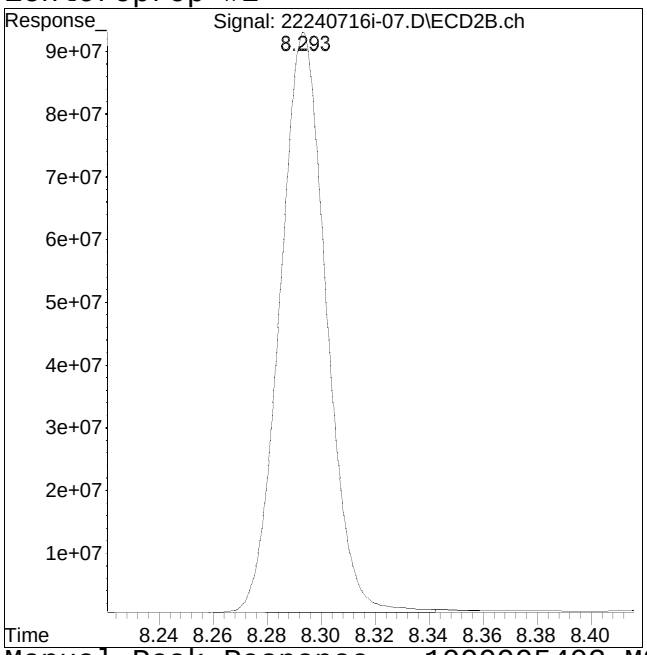
Original Peak Response = 673949428 Manual Peak Response = 671245773 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #20: Dichloroprop #2



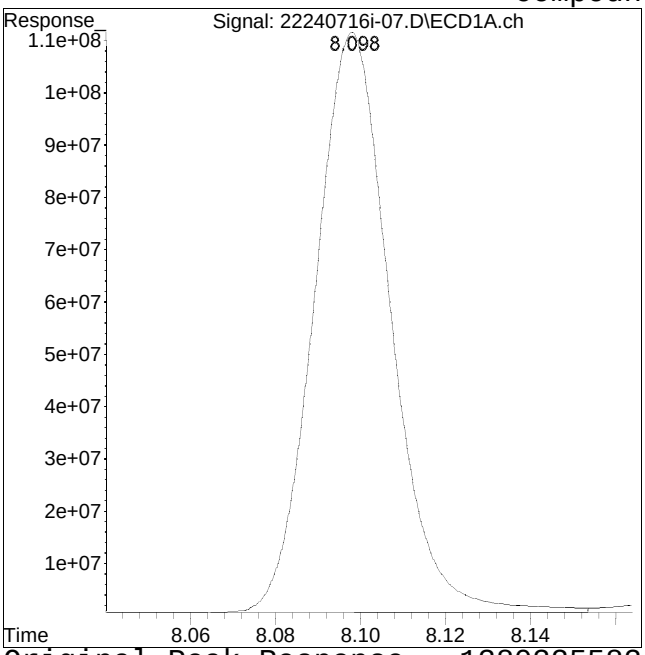


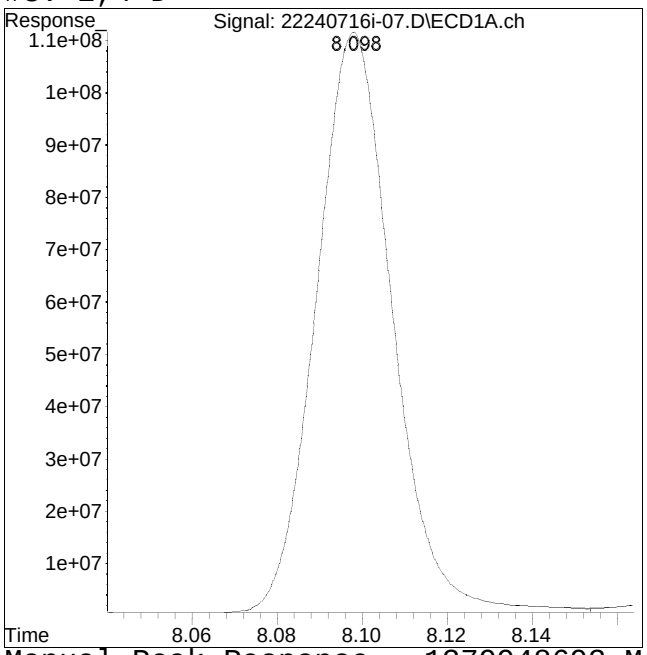
Original Peak Response = 1109744908 Manual Peak Response = 1099995403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #8: 2,4-D



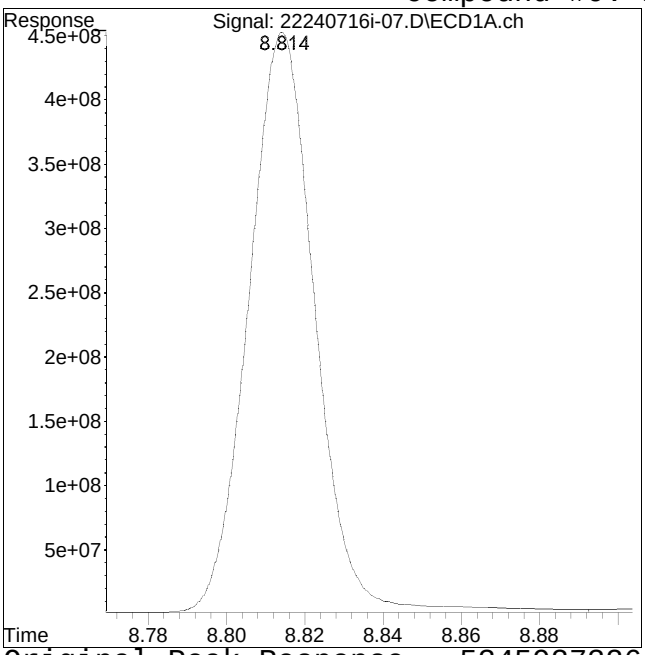


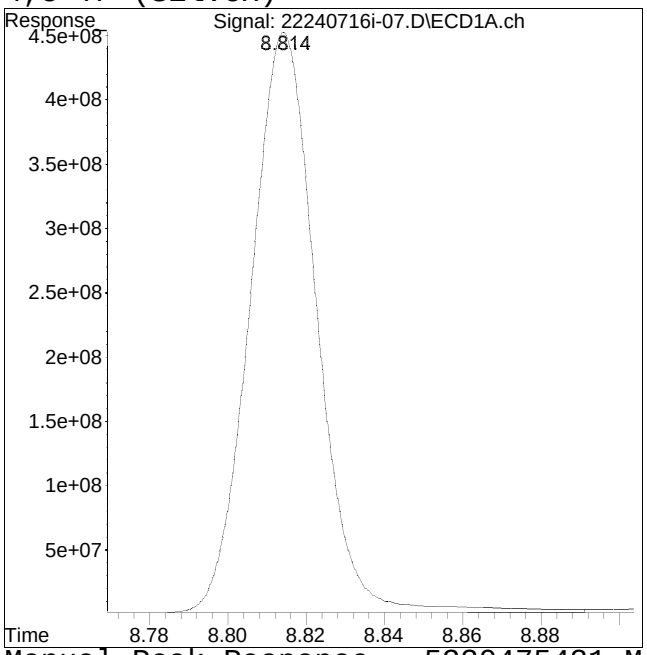
Original Peak Response = 1380325583 Manual Peak Response = 1379948693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #9: 2,4,5-TP (Silvex)



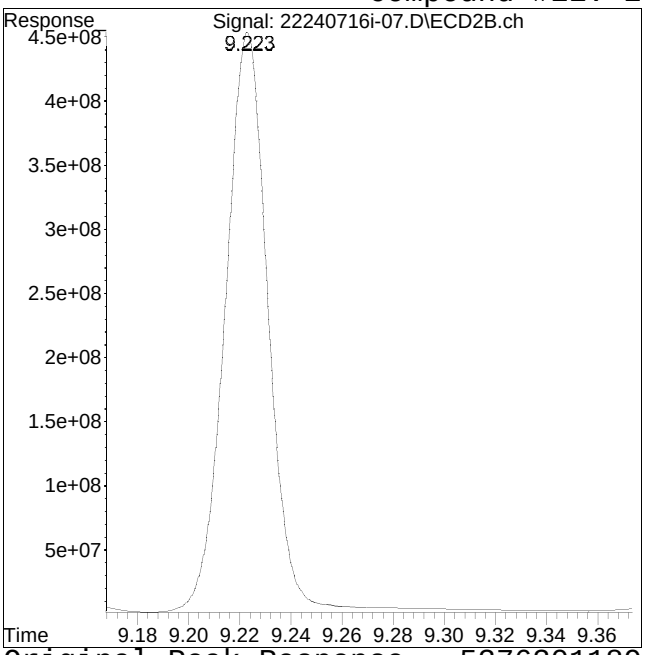


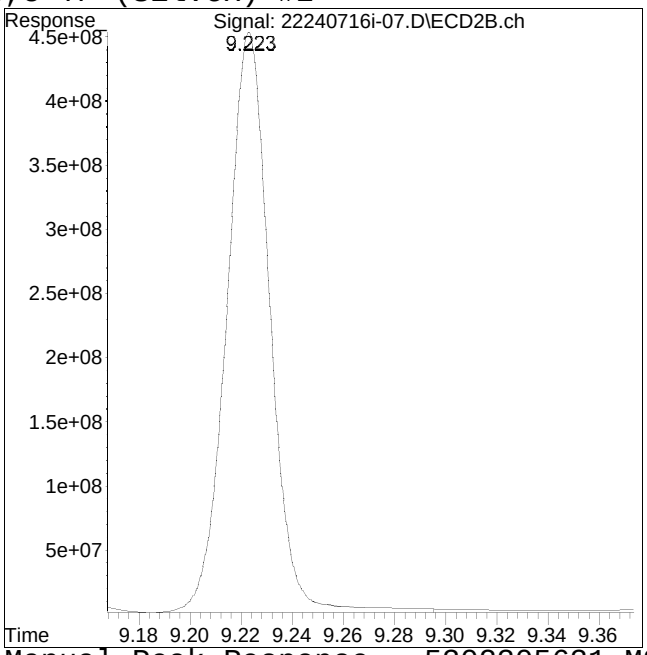
Original Peak Response = 5345927326 Manual Peak Response = 5330475431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #22: 2,4,5-TP (Silvex) #2



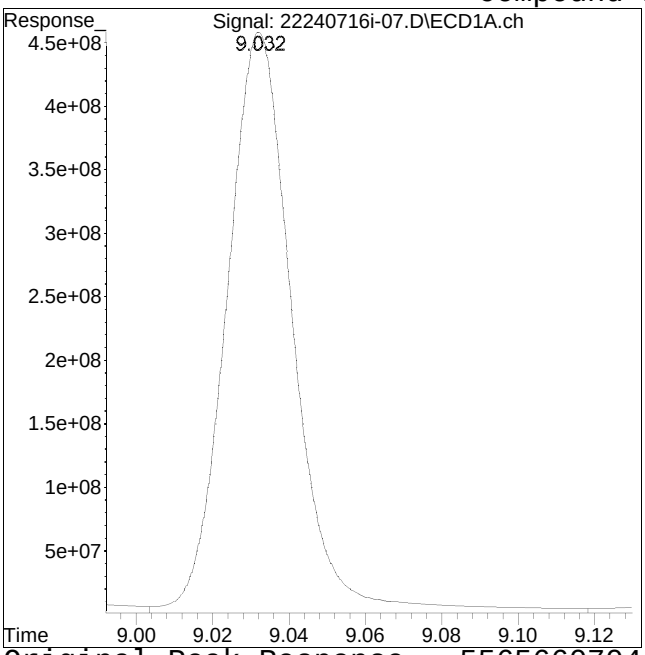


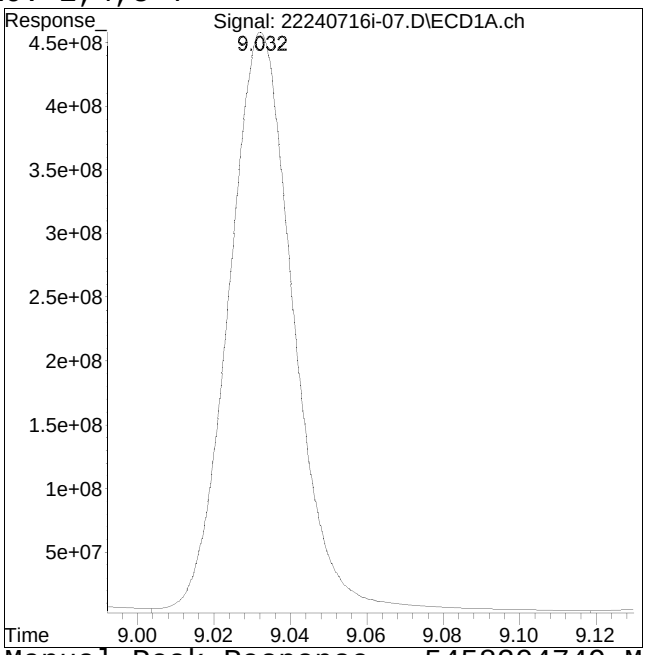
Original Peak Response = 5376301189 Manual Peak Response = 5302305631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #10: 2,4,5-T



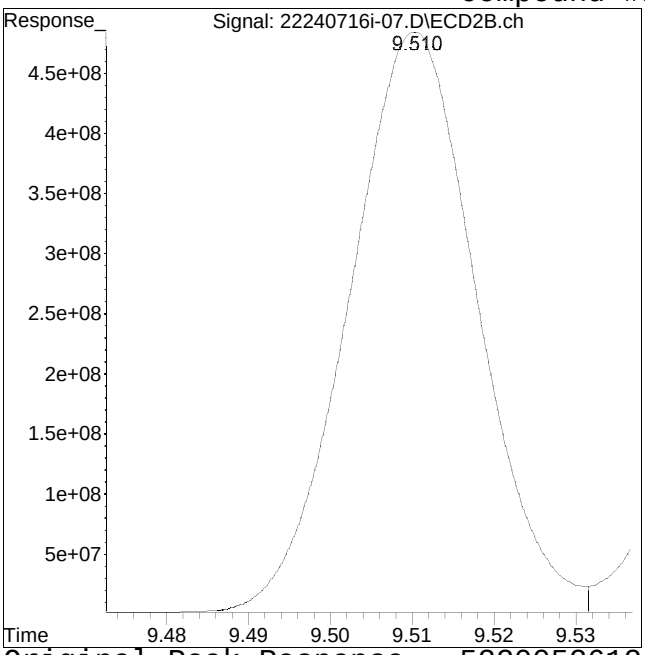


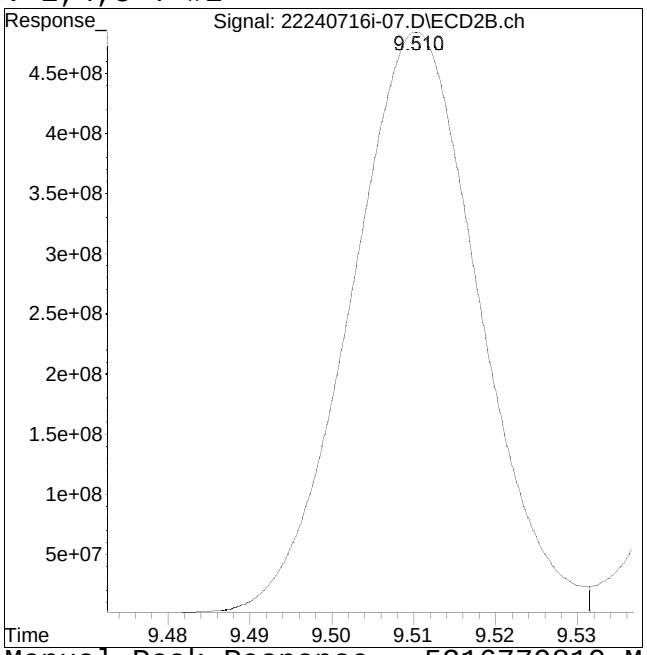
Original Peak Response = 5565660704 Manual Peak Response = 5458204749 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #23: 2,4,5-T #2



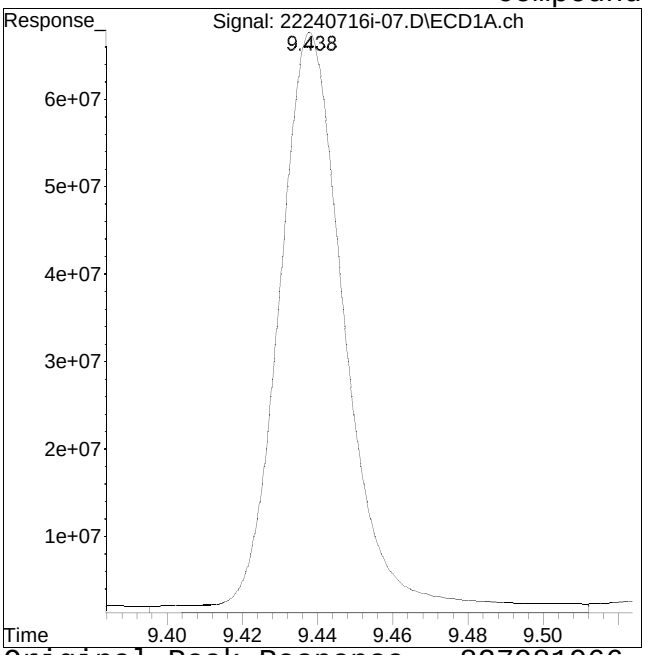


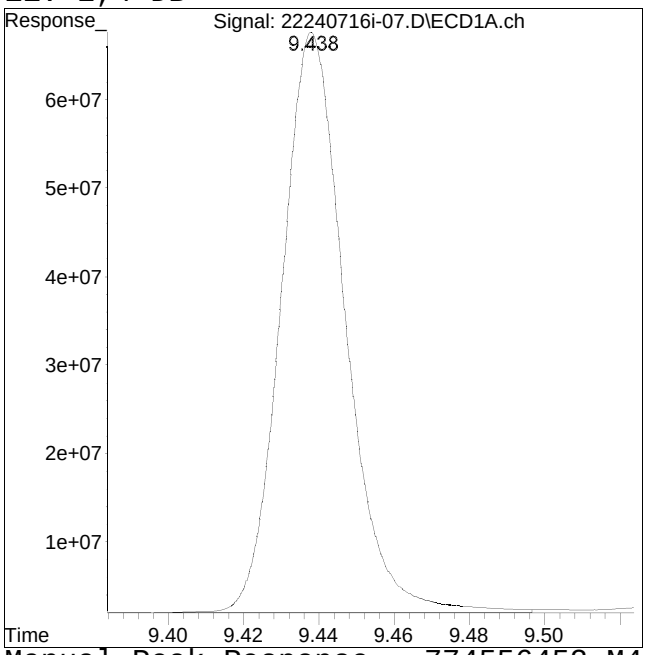
Original Peak Response = 5220052612 Manual Peak Response = 5216779819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #11: 2,4-DB



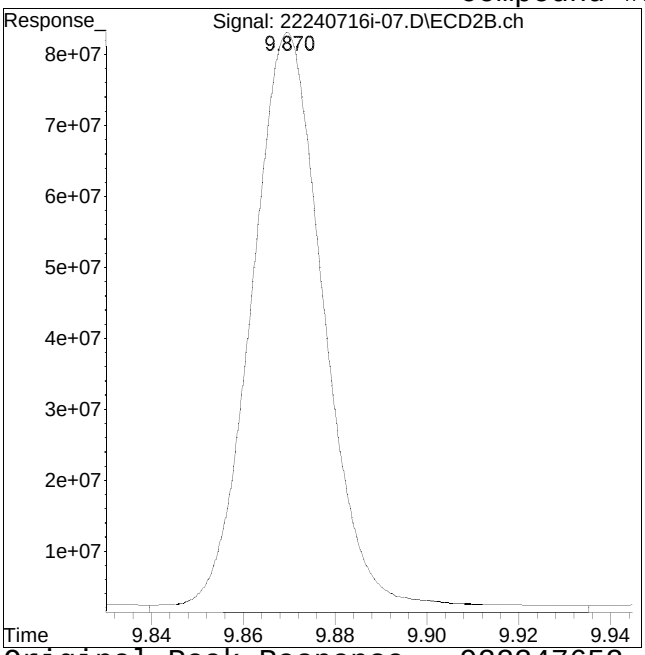


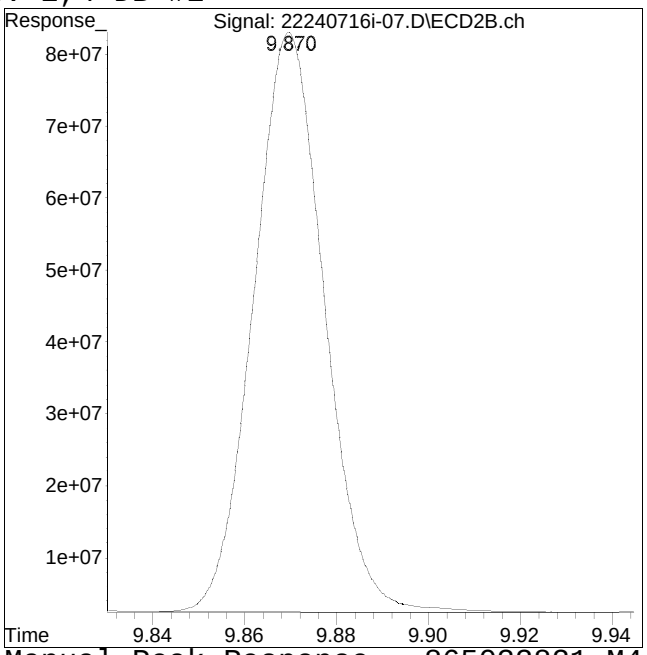
Original Peak Response = 827981966 Manual Peak Response = 774556452 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #24: 2,4-DB #2



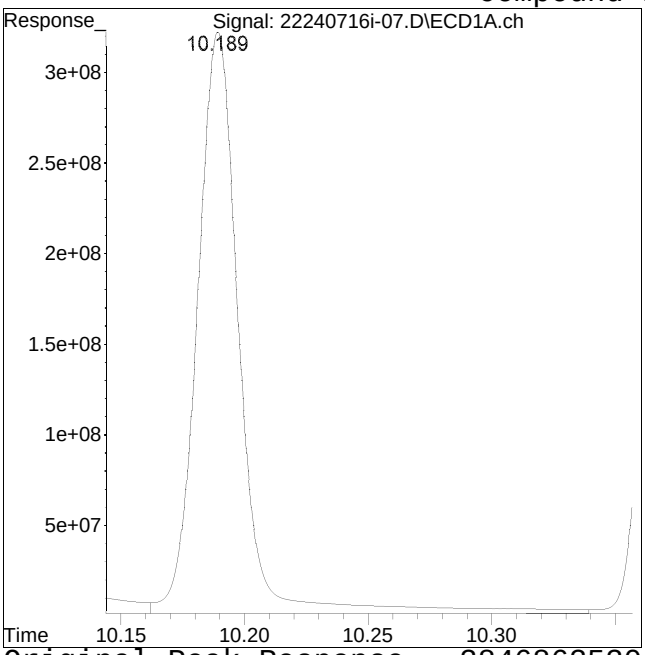


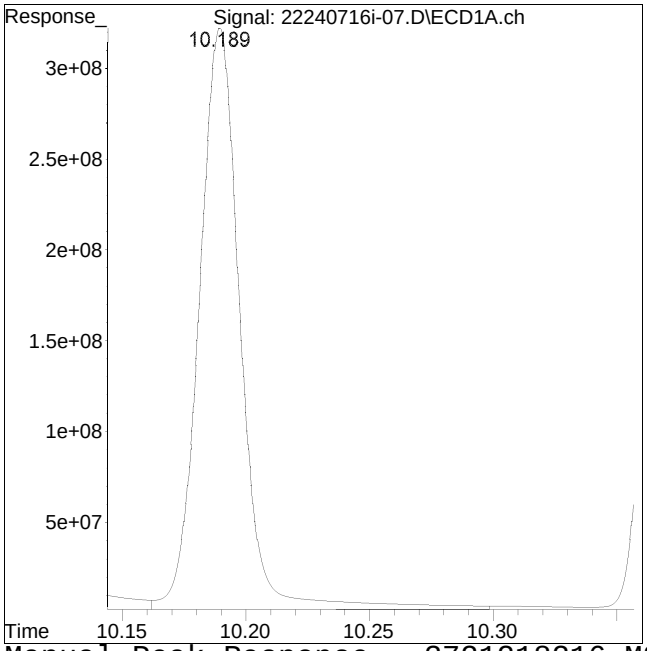
Original Peak Response = 922347652 Manual Peak Response = 865033821 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #12: Dinoseb



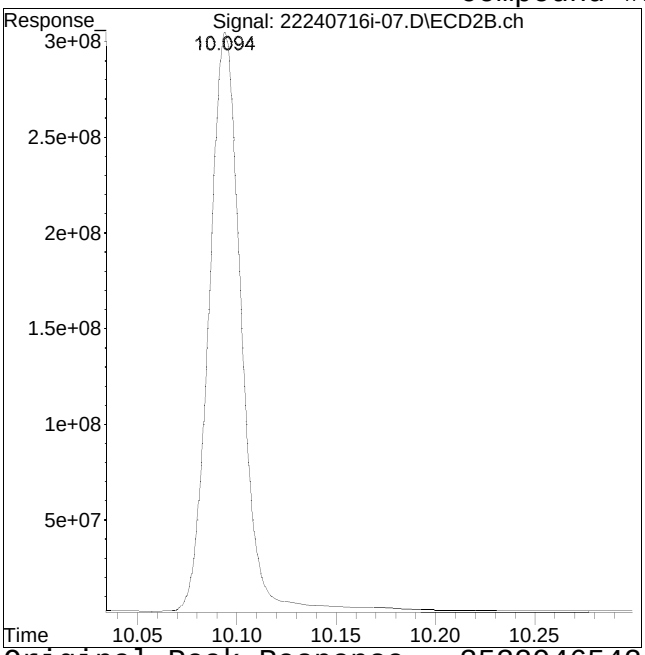


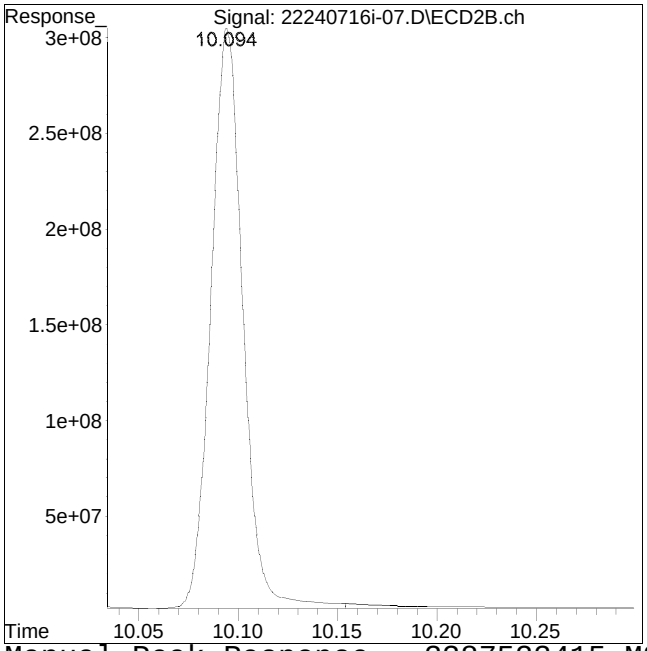
Original Peak Response = 3846863530 Manual Peak Response = 3721218216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #25: Dinoseb #2





Original Peak Response = 3532946542 Manual Peak Response = 3387533415 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.156	14.3	77	0.00
3	s	DCAA (surrogate)		0.194	0.188	3.1	91	0.00
4	t	Dicamba		0.564	0.550	2.5	93	0.00
5	t	MCPP		0.00044	0.00046	-4.5	100	0.00
6	t	MCPA		0.00086	0.00084	2.3	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	101	0.00
8	t	2,4-D		0.217	0.213	1.8	94	0.00
9	t	2,4,5-TP (Silvex)		0.806	0.789	2.1	94	0.00
10	t	2,4,5-T		0.811	0.827	-2.0	98	0.00
11	t	2,4-DB		0.118	0.117	0.8	94	0.00
12	t	Dinoseb		0.581	0.592	-1.9	98	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.171	6.0	88	0.00
3	s	DCAA (surrogate)		0.194	0.196	-1.0	96	0.00
4	t	Dicamba		0.570	0.566	0.7	94	0.00
5	t	MCPP		0.00058	0.00059	-1.7	97	0.00
6	t	MCPA		0.00106	0.00103	2.8	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	100	0.00
8	t	2,4-D	*	0.188	0.190	-1.1	95	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.788	3.2	93	0.00
10	t	2,4,5-T		0.774	0.760	1.8	95	0.00
11	t	2,4-DB		0.131	0.126	3.8	94	0.00
12	t	Dinoseb		0.525	0.536	-2.1	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	956.3E6	963.2E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.005	7.458	135.5E6	142.3E6	0.183M4	0.190M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	36.60%	38.00%
		Target Compounds						
2)	t	Dalapon	2.413	2.402	133.3E6	141.8E6	0.156M3	0.171M3
4)	t	Dicamba	7.186	7.639	395.9E6	409.7E6	0.183M3	0.187M3
5)	t	MCPP	7.388	7.750	32737545	42475192	19.237	18.848M4
6)	t	MCPA	7.533	7.976	59782422	73826721	18.167M4	18.162M4
7)	t	Dichloroprop	7.890	8.293	136.4E6	137.9E6	0.198M3	0.199M4
8)	t	2,4-D	8.104	8.566	153.2E6	179.4E6	0.185M4	0.190M3
9)	t	2,4,5-TP (Si	8.816	9.223	573.1E6	576.9E6	0.186M4	0.184M3
10)	t	2,4,5-T	9.037	9.511	601.2E6	556.2E6	0.194M4	0.186
11)	t	2,4-DB	9.444	9.870	85716822	93276437	0.190M4	0.186M4
12)	t	Dinoseb	10.190	10.095	430.0E6	392.1E6	0.193M3	0.194

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

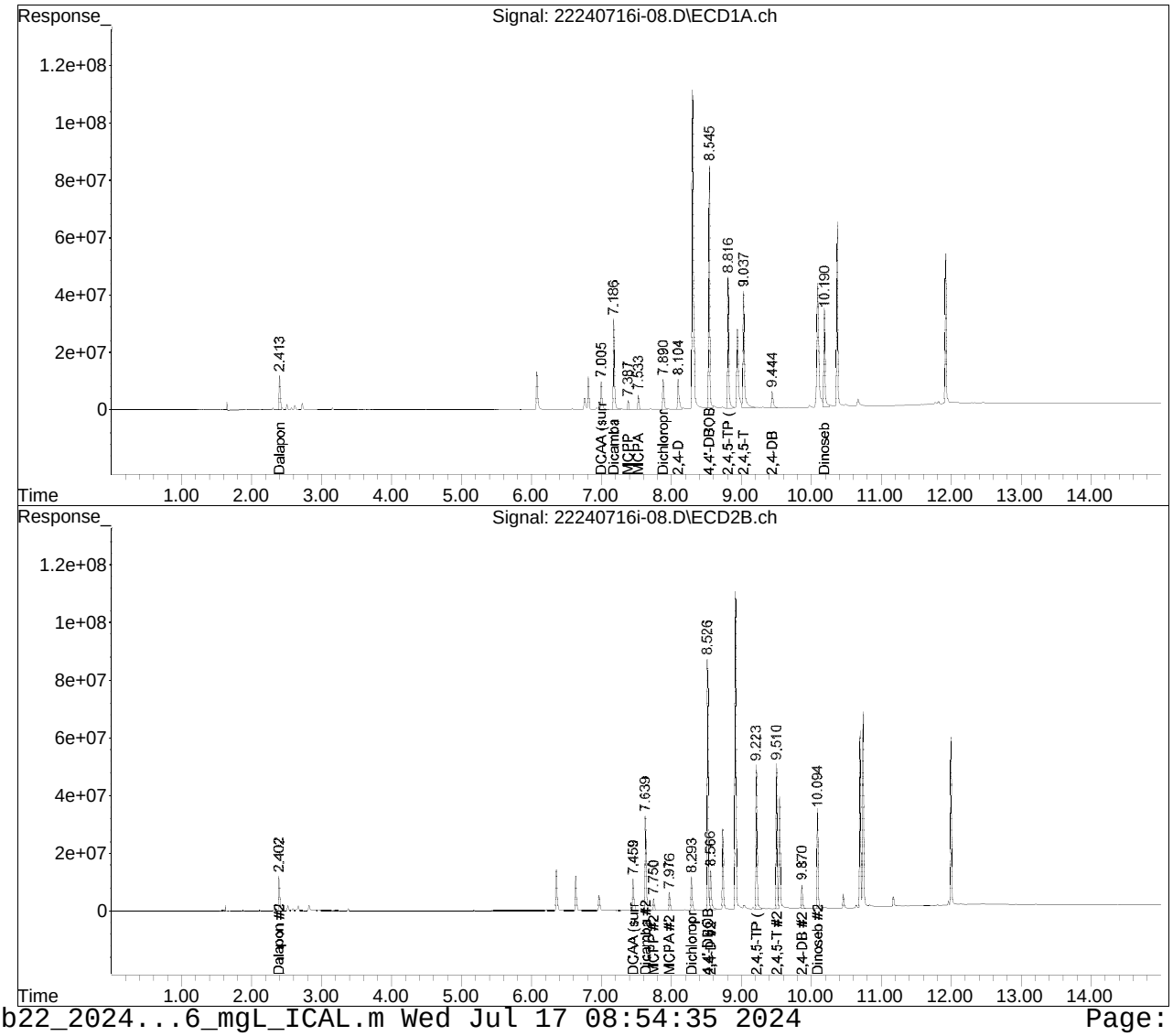
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

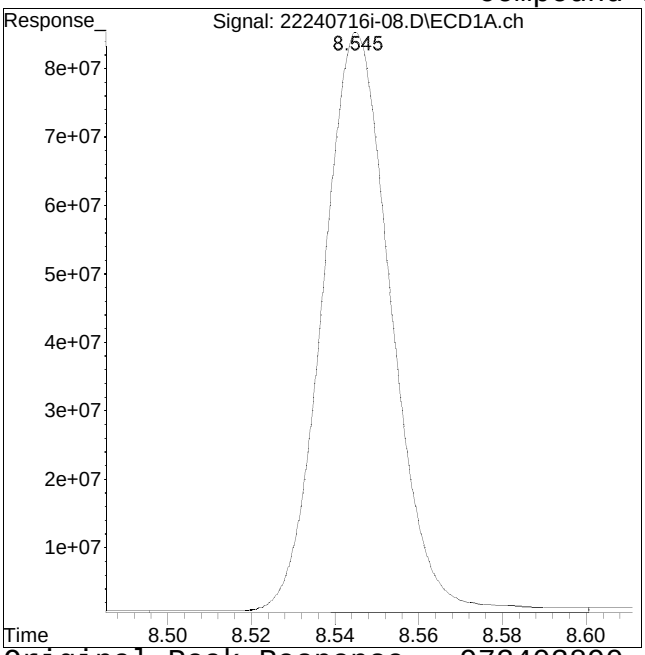
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



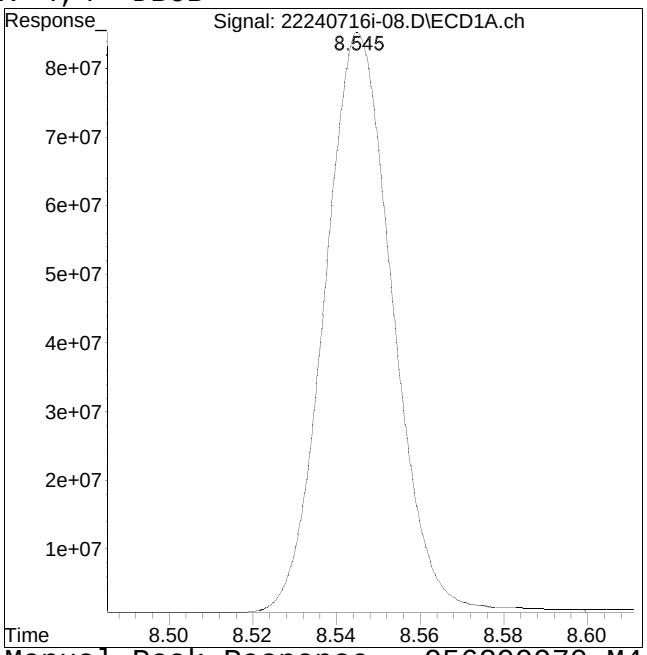
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 973403890

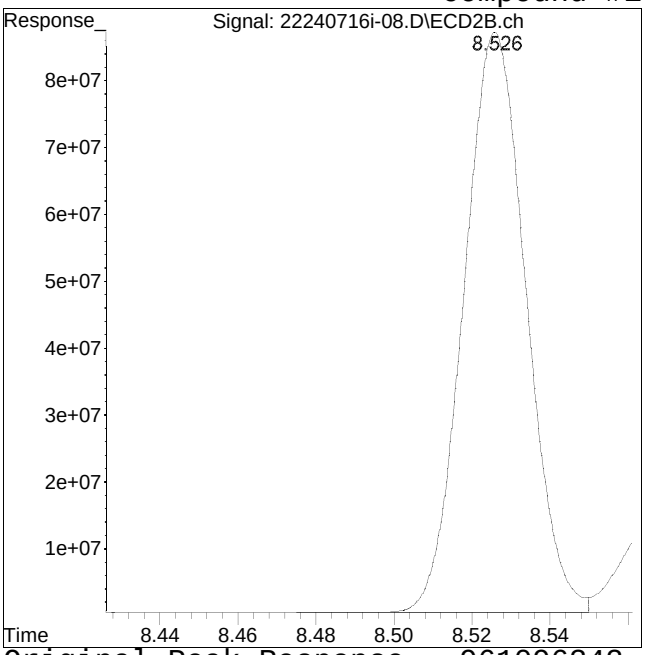


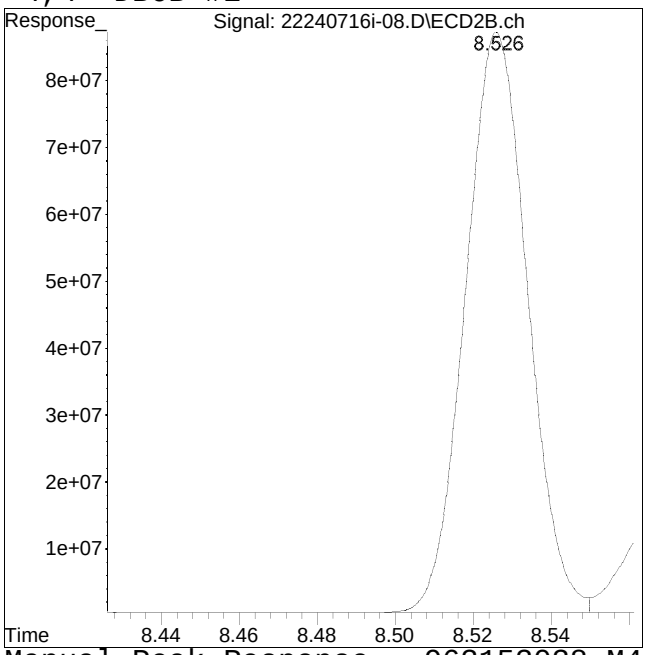
Manual Peak Response = 956299970 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #14: 4,4'-DBOB #2



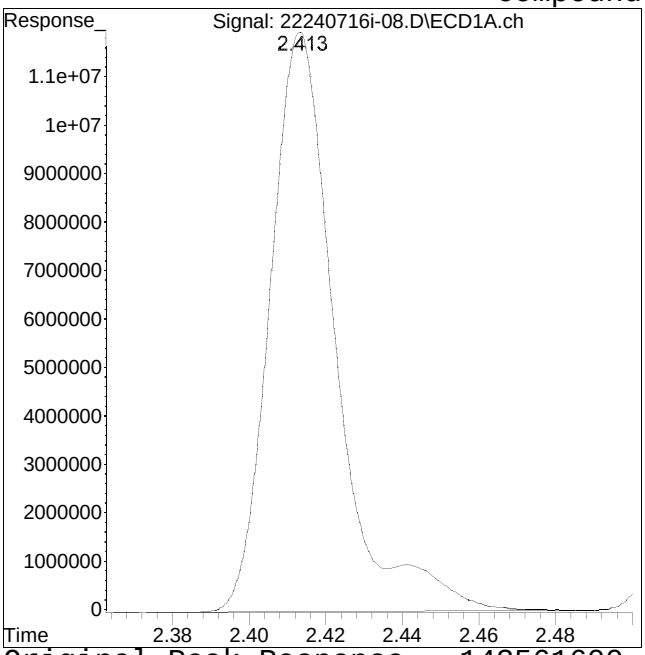


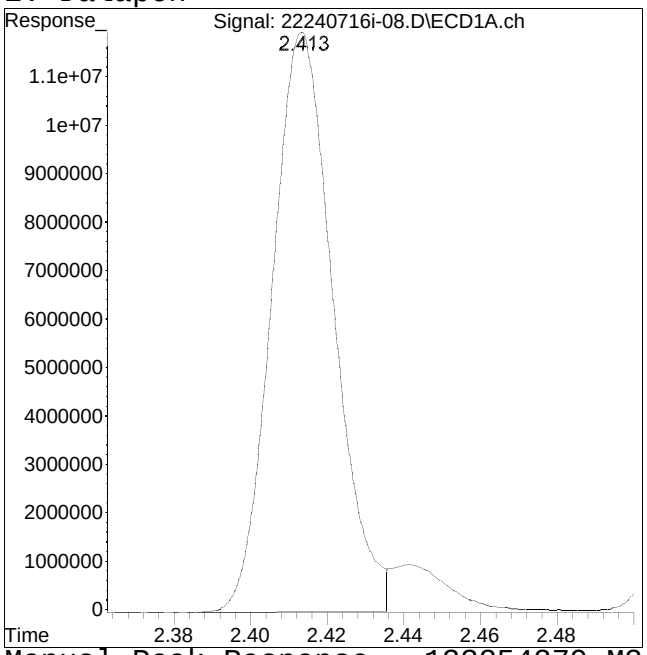
Original Peak Response = 961096342 Manual Peak Response = 963153038 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #2: Dalapon



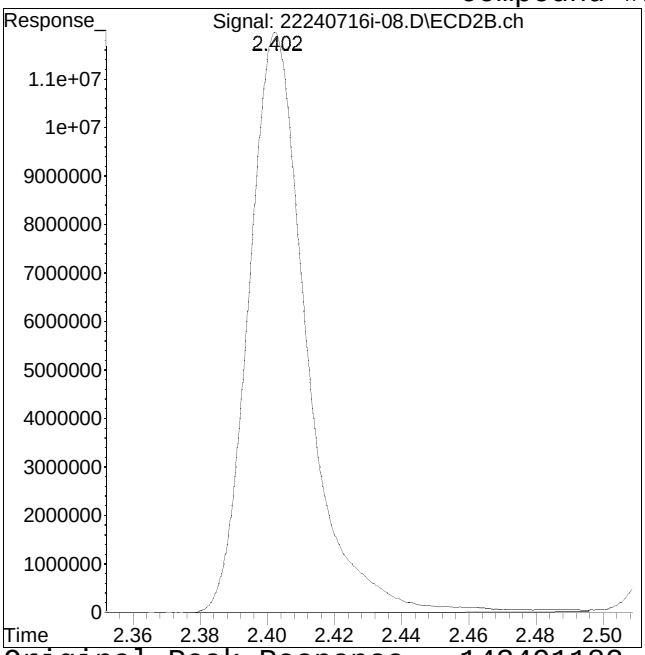


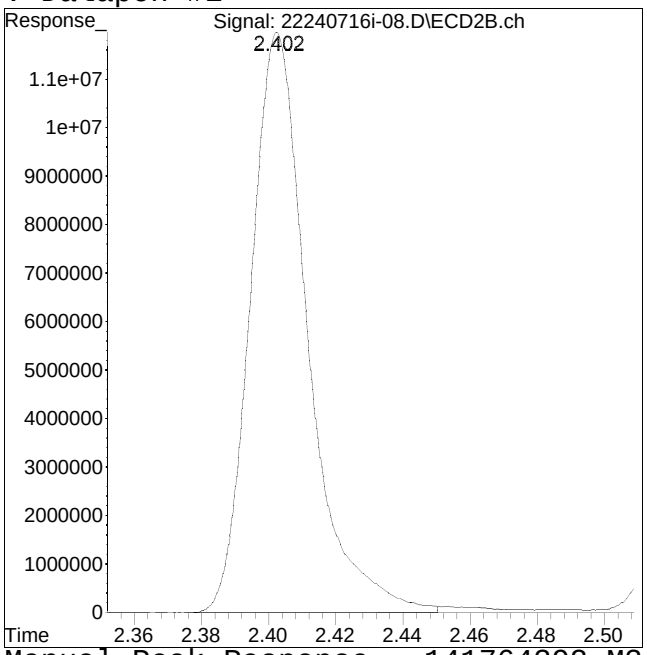
Original Peak Response = 143561600 Manual Peak Response = 133254279 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #15: Dalapon #2



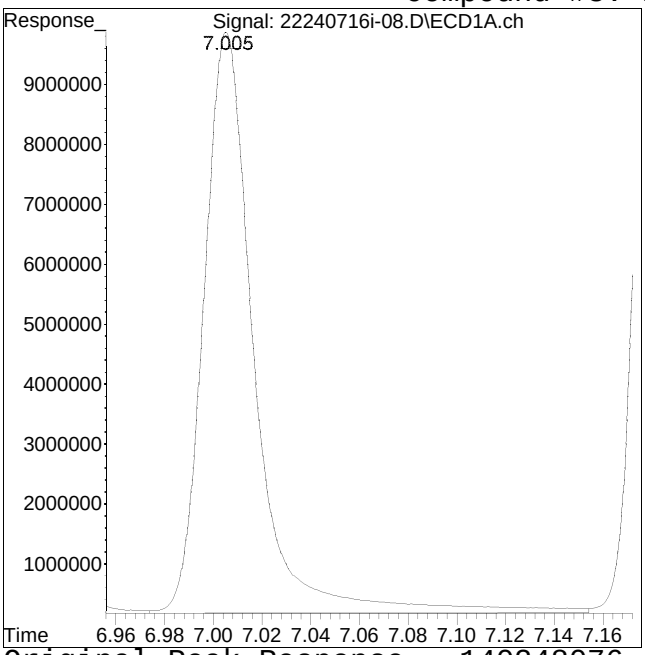


Original Peak Response = 143491182 Manual Peak Response = 141764392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

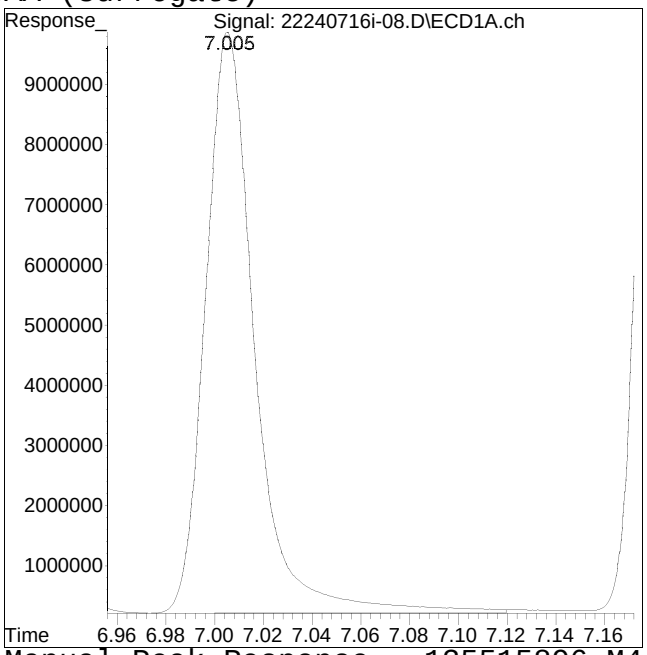
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 140248076



Manual Peak Response = 135515896 M4

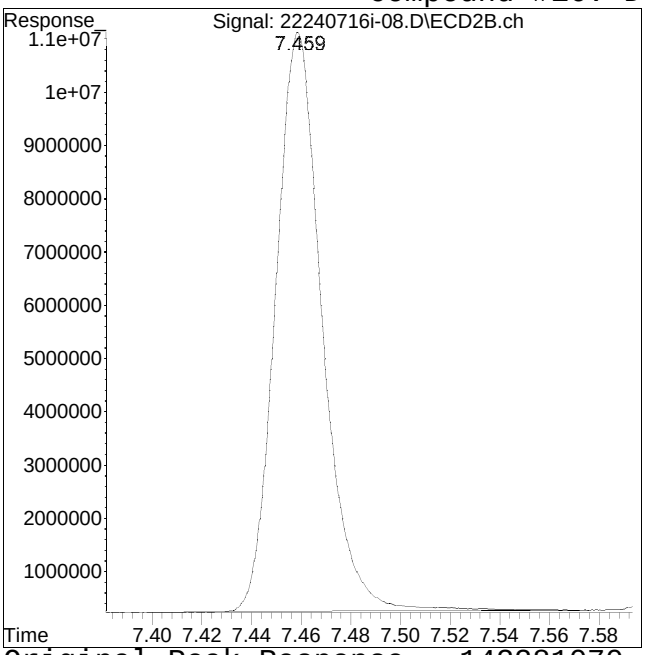
M4 = Poor automated baseline construction.

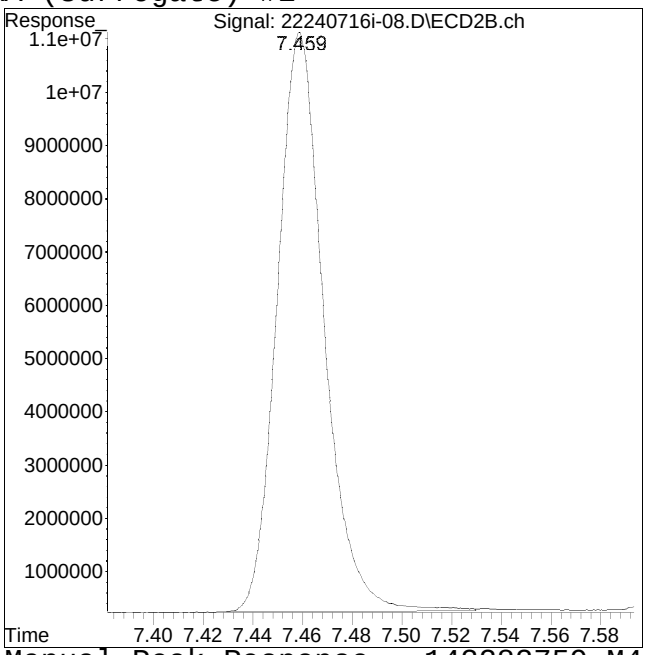
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #16: DCAA (surrogate) #2



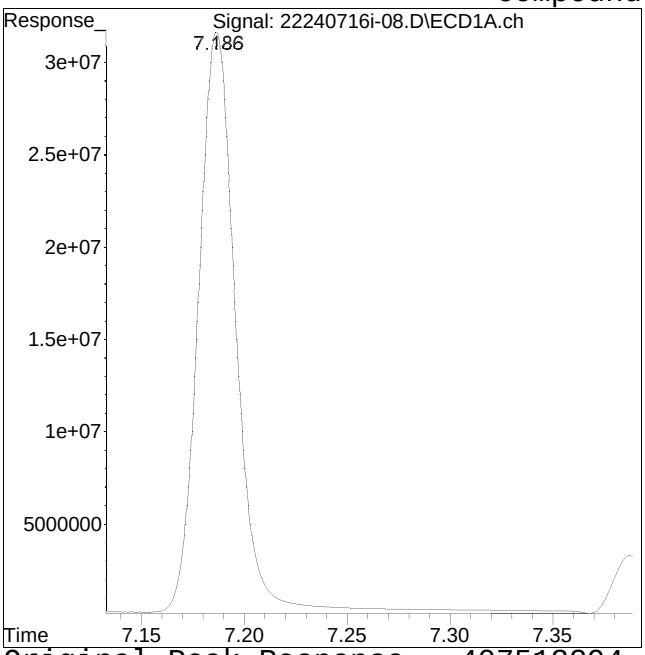


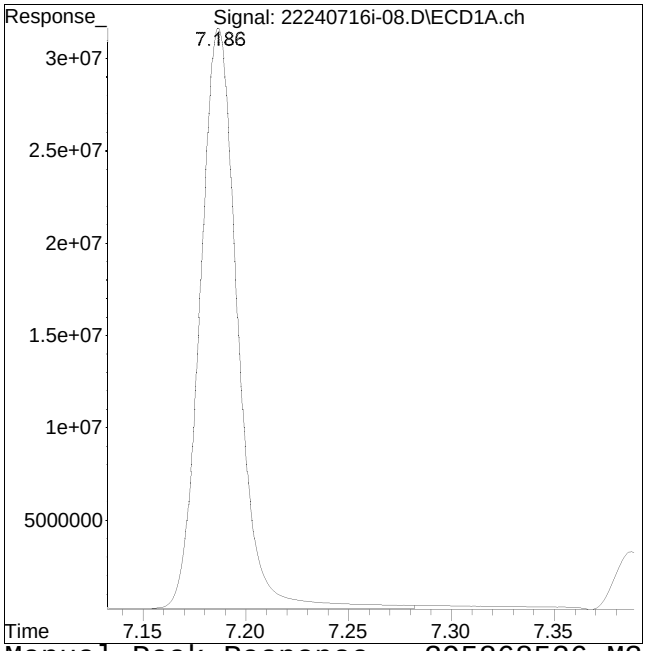
Original Peak Response = 142281070 Manual Peak Response = 142282759 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #4: Dicamba



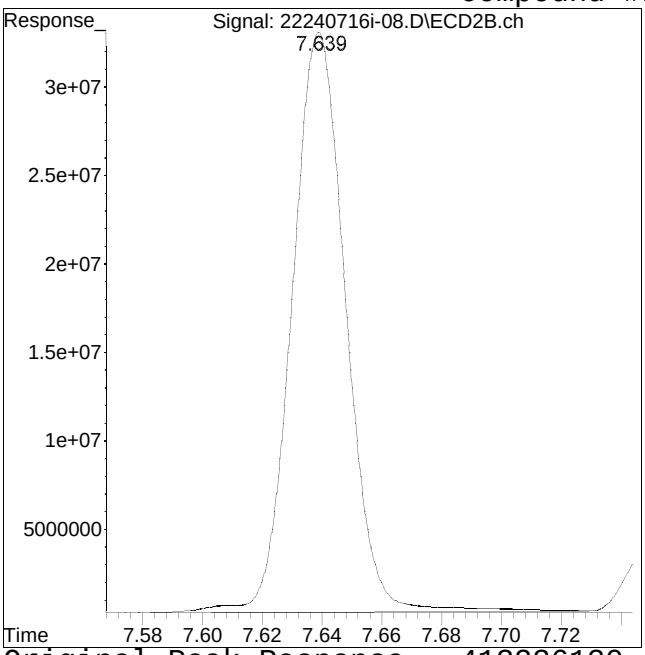


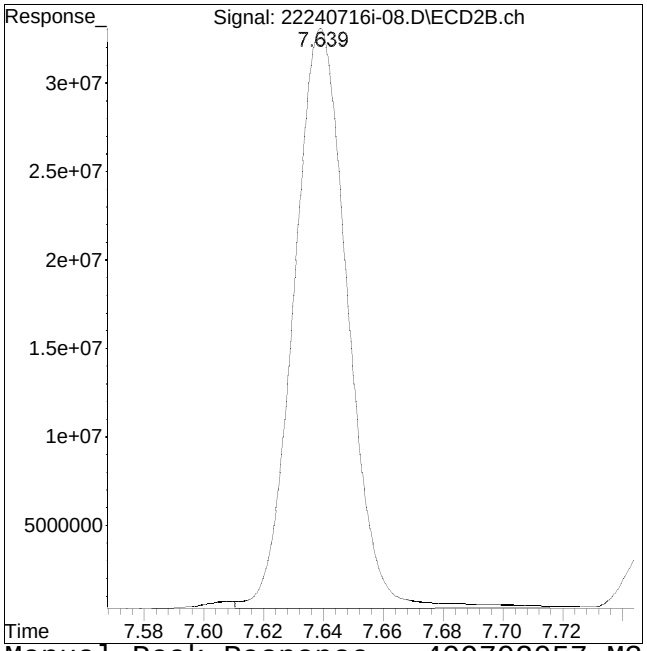
Original Peak Response = 407513294 Manual Peak Response = 395868526 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #17: Dicamba #2





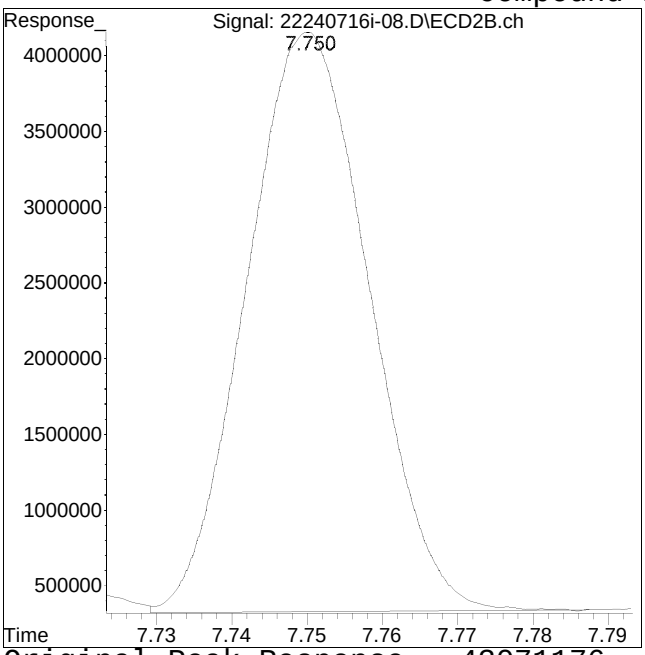
Original Peak Response = 413236130 Manual Peak Response = 409702057 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

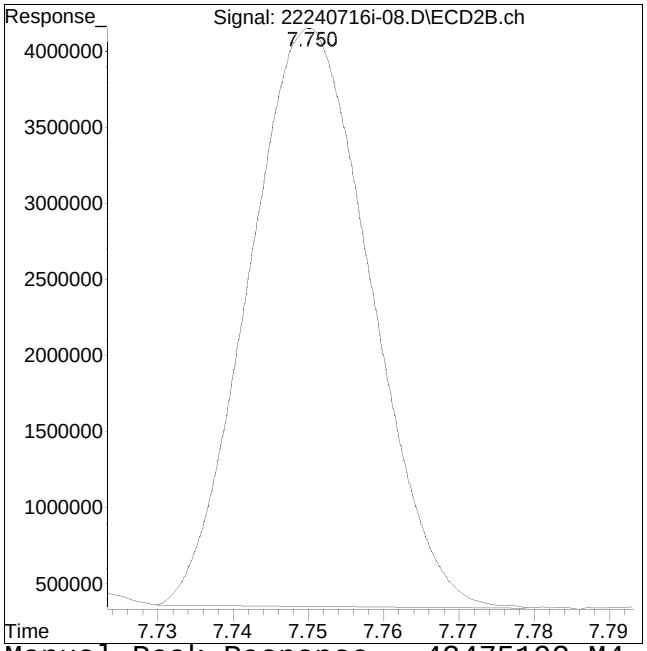
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #18: MCPP #2



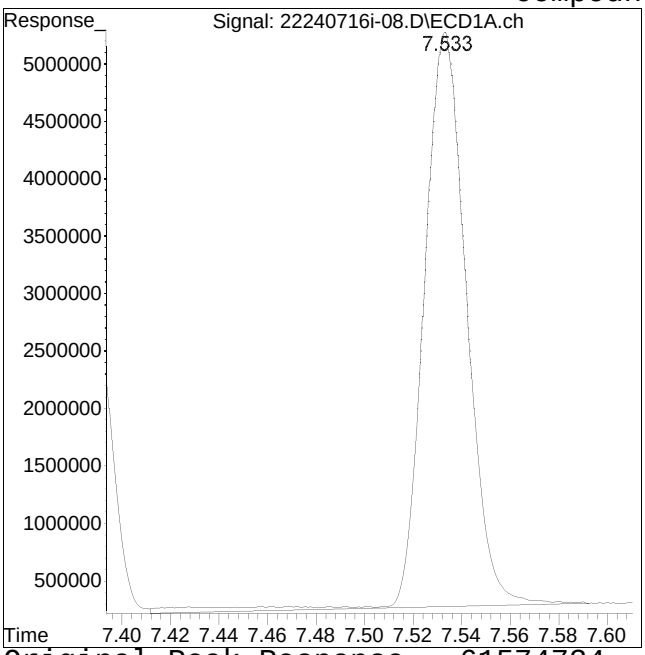


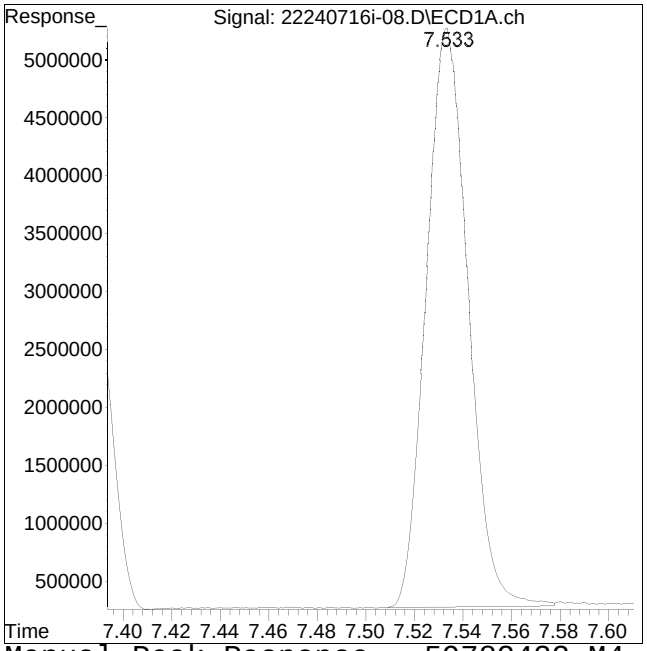
Original Peak Response = 43071176 Manual Peak Response = 42475192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #6: MCPA





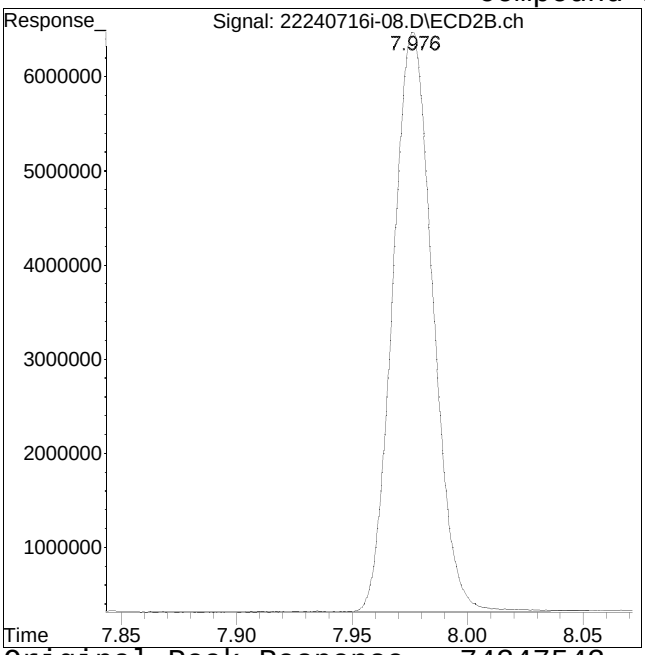
Original Peak Response = 61574734 Manual Peak Response = 59782422 M4
M4 = Poor automated baseline construction.

Manual Integration Report

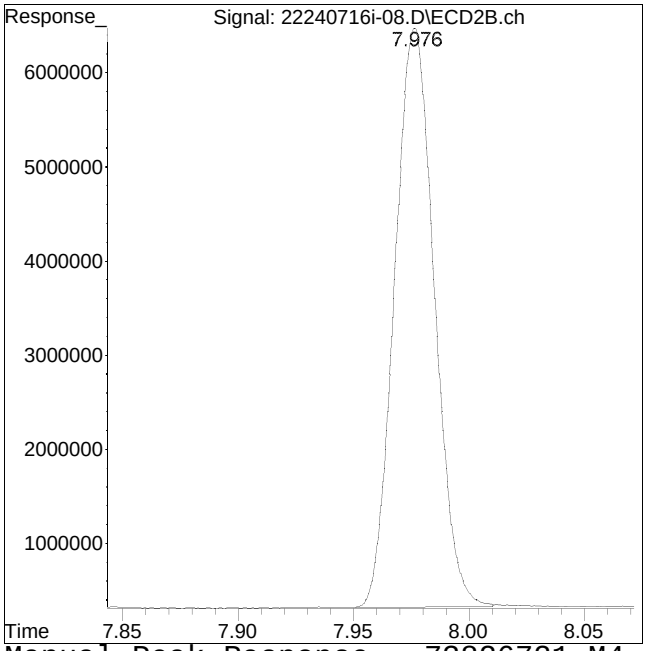
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #19: MCPA #2



Original Peak Response = 74347543



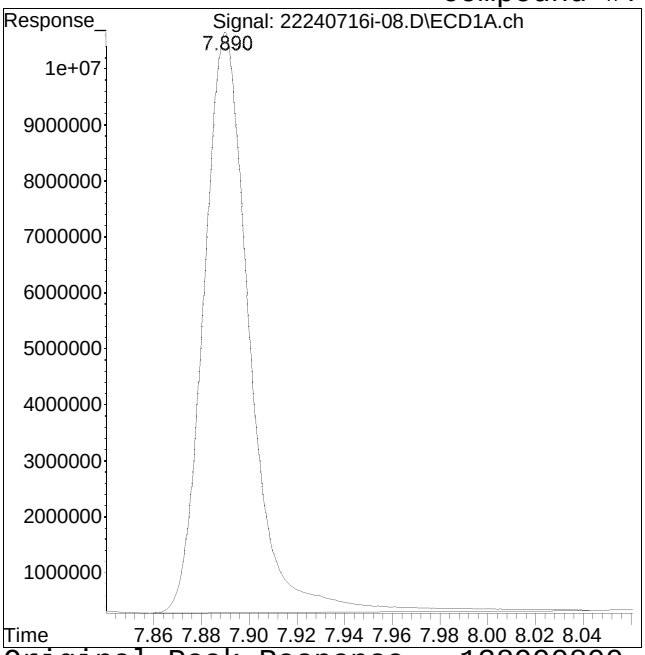
Manual Peak Response = 73826721 M4

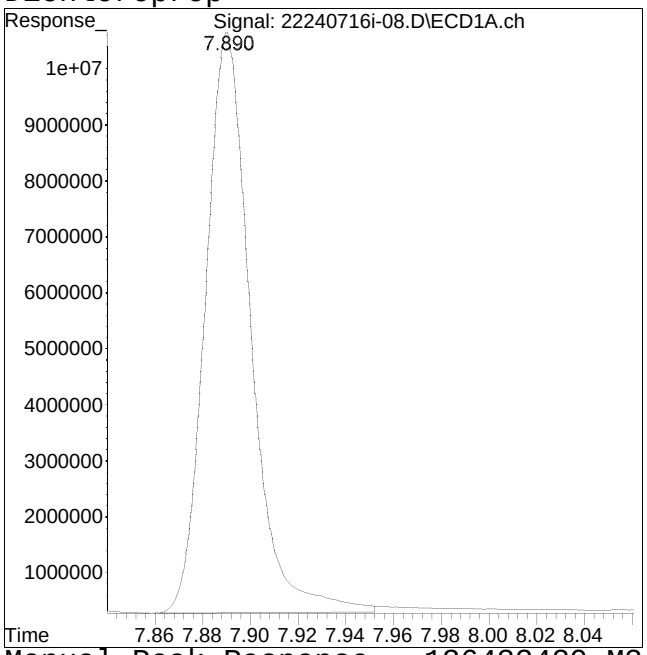
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #7: Dichloroprop



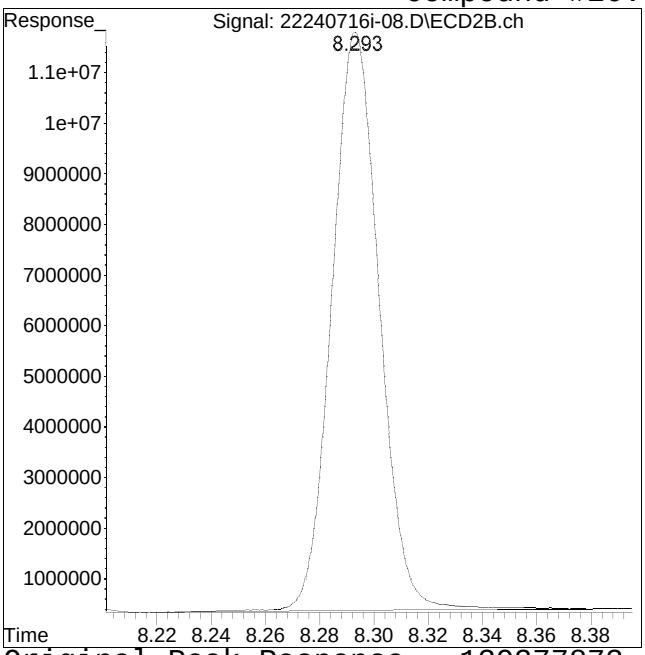


Original Peak Response = 138990800 Manual Peak Response = 136433429 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

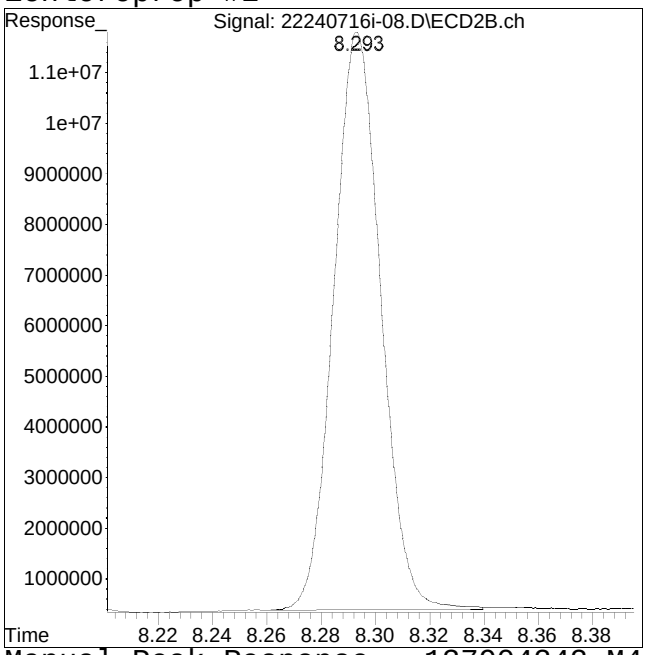
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #20: Dichloroprop #2



Original Peak Response = 139377873



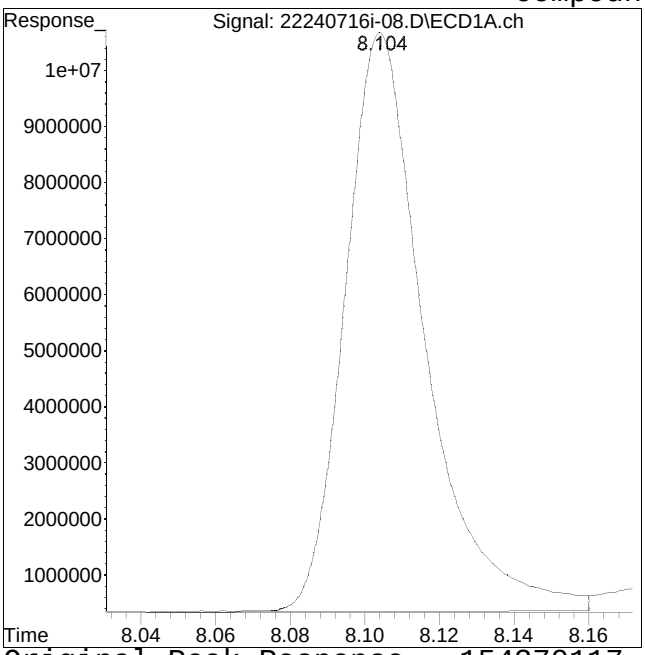
Manual Peak Response = 137904242 M4

M4 = Poor automated baseline construction.

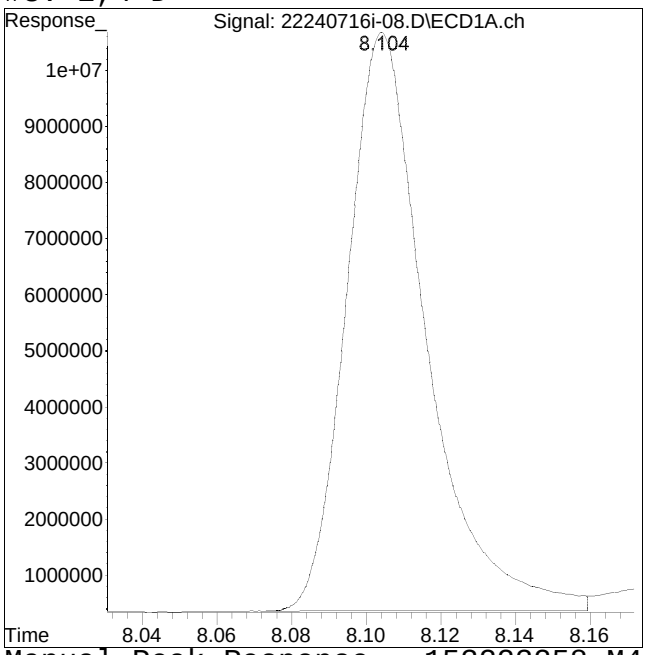
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #8: 2,4-D



Original Peak Response = 154370117

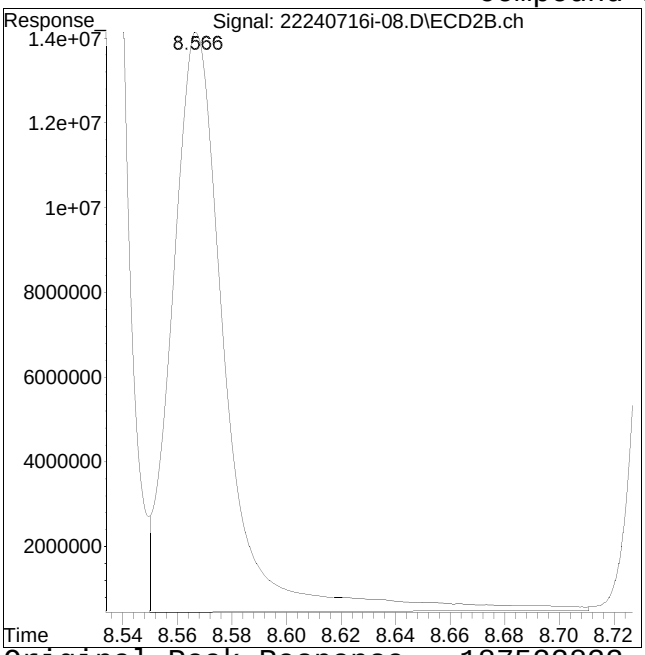


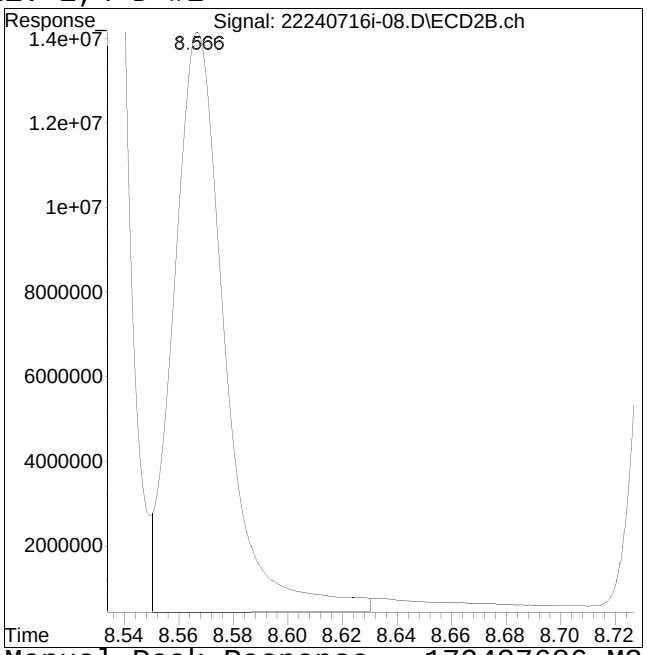
Manual Peak Response = 153223258 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #21: 2,4-D #2



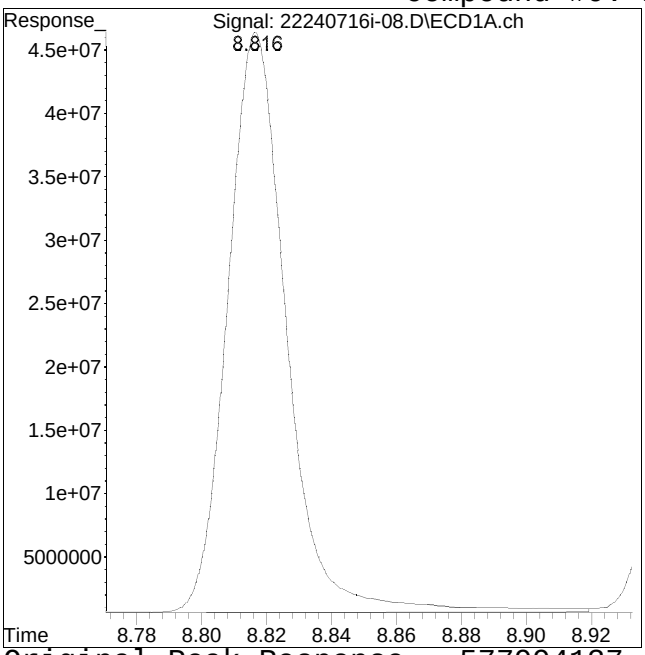


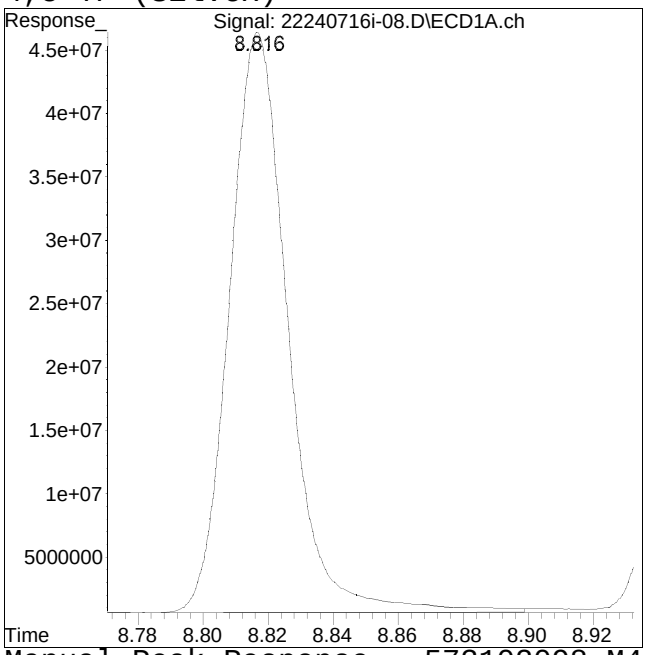
Original Peak Response = 187522833 Manual Peak Response = 179437686 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #9: 2,4,5-TP (Silvex)



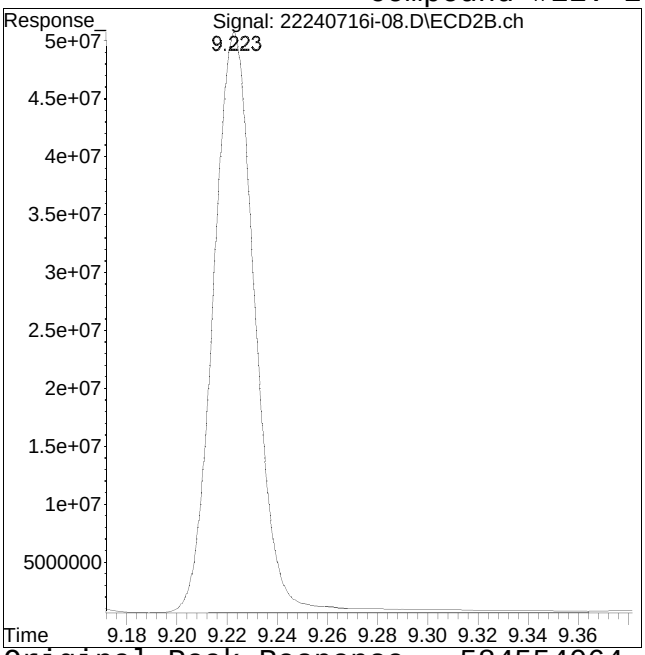


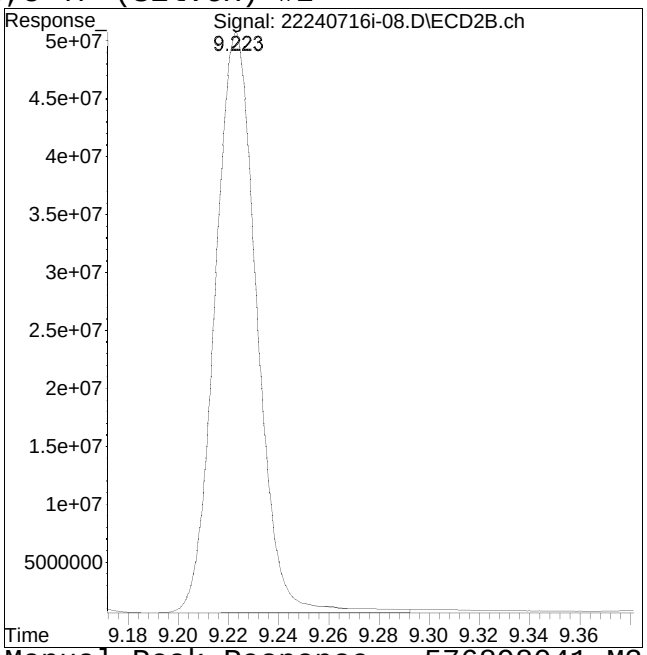
Original Peak Response = 577994137 Manual Peak Response = 573102098 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #22: 2,4,5-TP (Silvex) #2



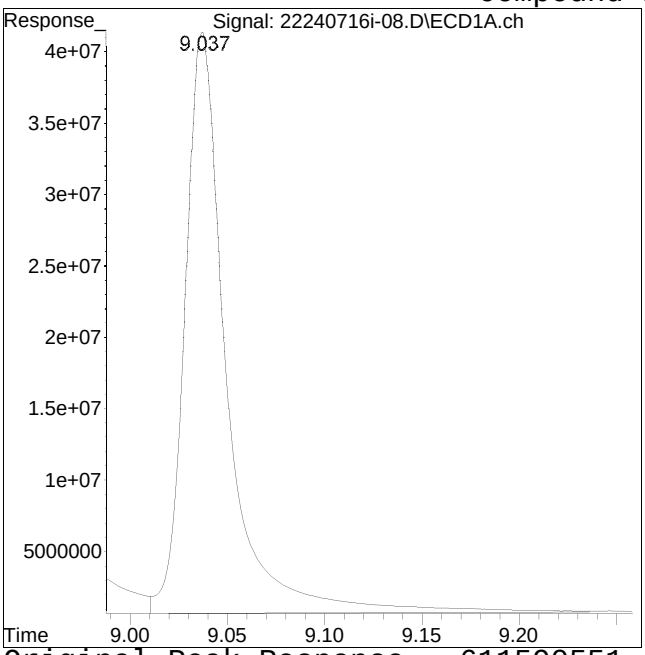


Original Peak Response = 584554064 Manual Peak Response = 576898041 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

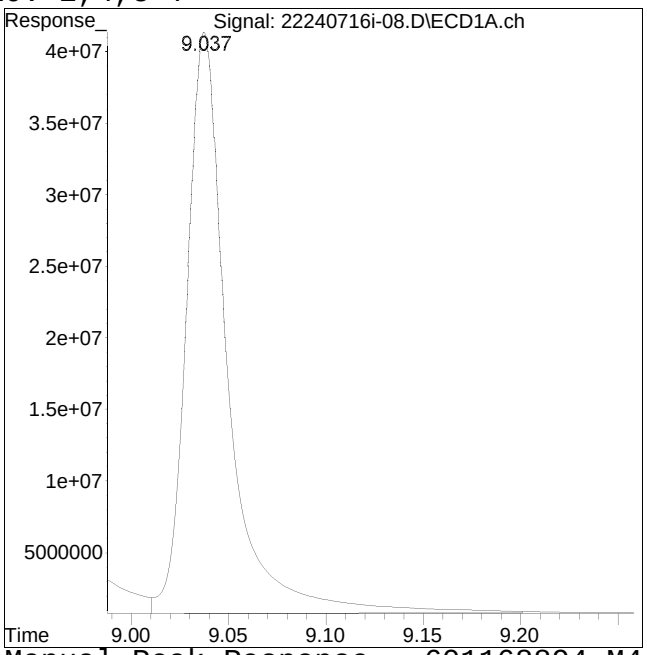
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #10: 2,4,5-T



Original Peak Response = 611590551



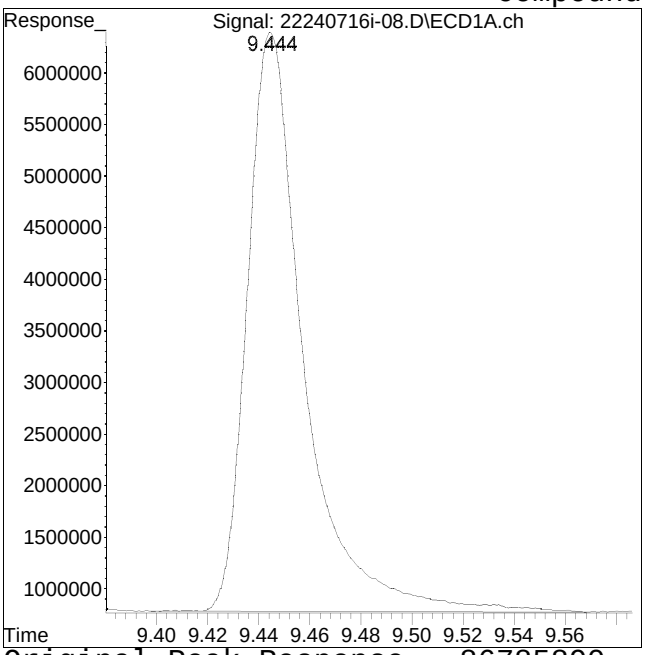
Manual Peak Response = 601168894 M4

M4 = Poor automated baseline construction.

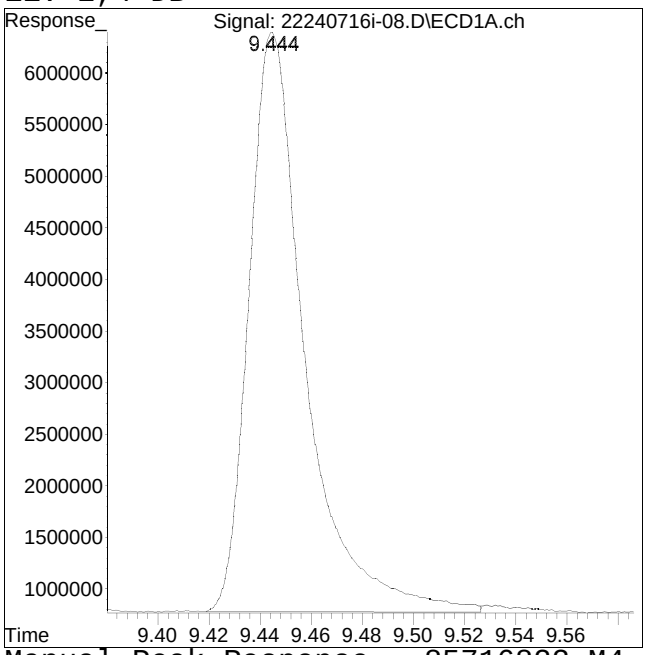
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #11: 2,4-DB



Original Peak Response = 86785890



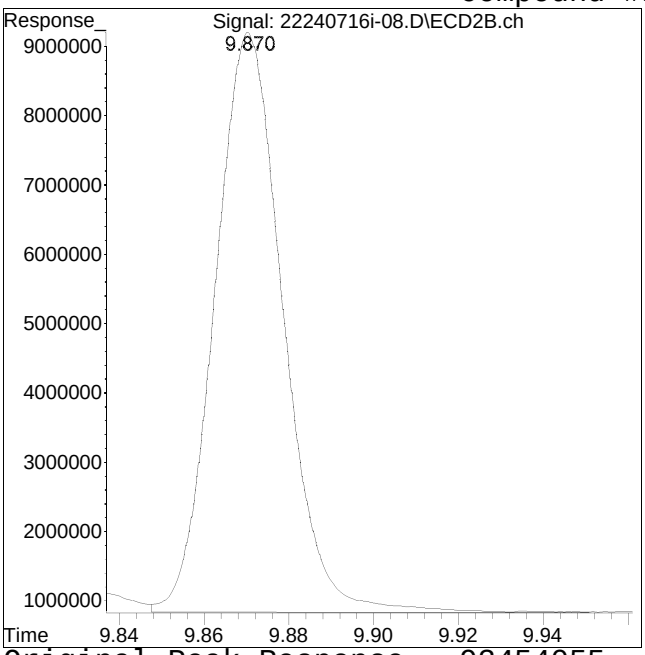
Manual Peak Response = 85716822 M4

M4 = Poor automated baseline construction.

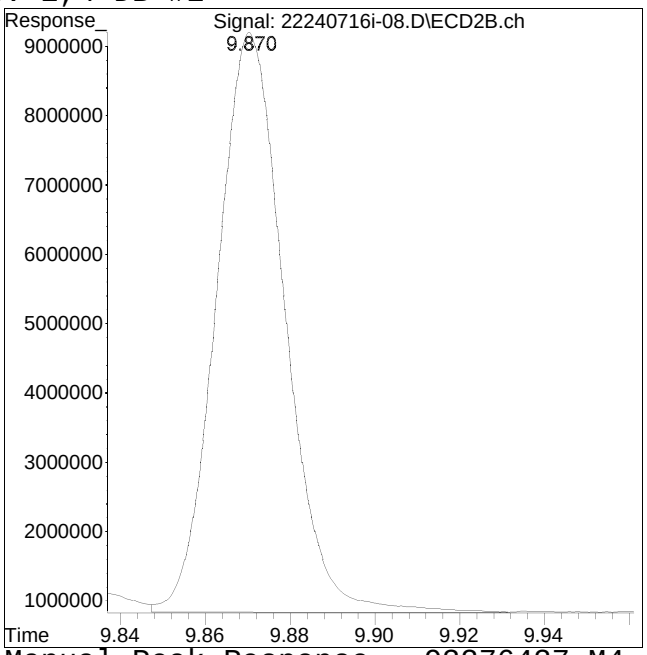
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #24: 2,4-DB #2



Original Peak Response = 93454055



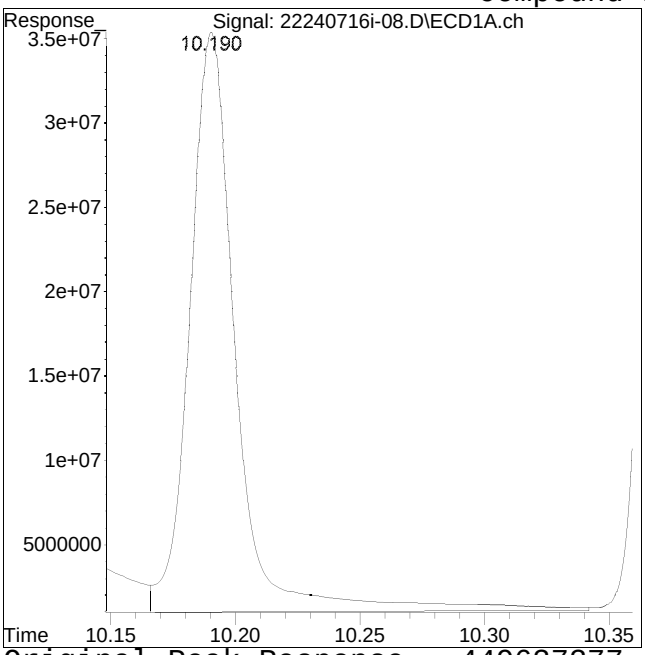
Manual Peak Response = 93276437 M4

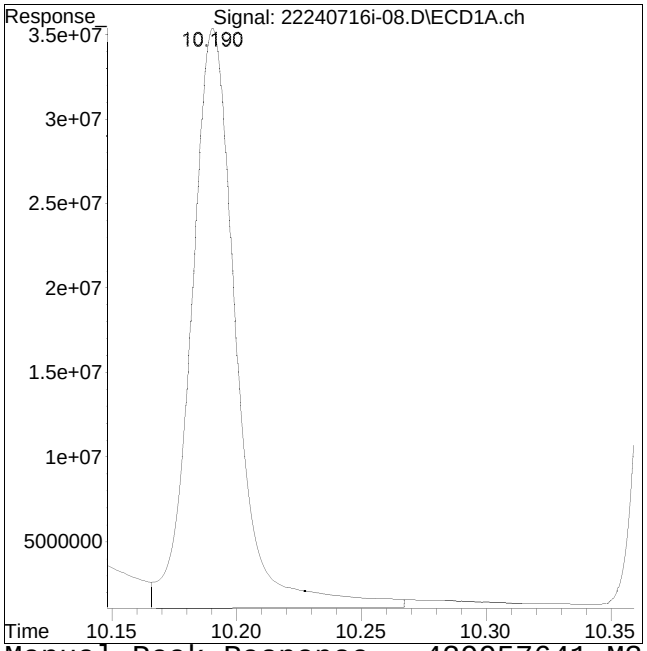
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #12: Dinoseb





Original Peak Response = 449637377 Manual Peak Response = 429957641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	T Dalapon	L	mg/l	0.2	0.215	18.1	0.05	0.033	-27.5
15	T Dalapon #2	L	mg/l	0.2	0.198	8.8	0.05	0.038	-16.5
21	T 2,4-D #2	L	mg/l	0.2	0.201	6.9	0.05	0.035	-25.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	T Dalapon	Linear	0.993654	0.000000	0.185159	0.0234581
15	T Dalapon #2	Linear	0.998307	0.000000	0.176451	0.0267231
21	T 2,4-D #2	Linear	0.997101	0.000000	0.192786	0.0400346

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST17		**Calibration Date**	: 08/27/24 06:09	
Lab File ID	: 17240827a-01		**Init. Calib. Date(s)**	: 07/12/24	07/12/24
Sample No	: WG1964271-1		**Init. Calib. Times**	: 14:41	16:13
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	112	0
Dalapon	0.147	0.209	-	-42.2*	15	163	0
DCAA (surrogate)	0.164	0.183	-	-11.6	15	124	0
Dicamba	0.547	0.548	-	-0.2	15	114	0
MCPP	0.00077	0.00067	-	13	15	93	0
MCPA	18.6	15.481	-	16.8*	15	92	0
Dichloroprop	0.153	0.178	-	-16.3*	15	135	0
2,4-D	0.176	0.203	-	-15.3*	15	134	0
2,4,5-TP (Silvex)	0.661	0.738	-	-11.6	15	128	0
2,4,5-T	0.607	0.72	-	-18.6*	15	137	0
2,4-DB	0.1	0.107	-	-7	15	123	0
Dinoseb	0.28	0.508	-	-81.4*	15	205	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Calibration Date**	: 08/27/24 06:09
Lab File ID	: 17240827a-01	**Init. Calib. Date(s)**	: 07/12/24 07/12/24
Sample No	: WG1964271-1	**Init. Calib. Times**	: 14:41 16:13
Channel	: B		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	101	0
Dalapon	0.205	0.218	-	-6.3	15	111	0
DCAA (surrogate)	0.204	0.202	-	1	15	99	0
Dicamba	0.597	0.574	-	3.9	15	98	0
MCPP	0.00074	0.00071	-	4.1	15	95	0
MCPA	18.6	18.399	-	1.1	15	94	0
Dichloroprop	0.189	0.189	-	0	15	101	0
2,4-D	0.23	0.226	-	1.7	15	99	0
2,4,5-TP (Silvex)	0.826	0.759	-	8.1	15	92	0
2,4,5-T	0.791	0.655	-	17.2*	15	84	0
2,4-DB	0.13	0.119	-	8.5	15	93	0
Dinoseb	0.479	0.44	-	8.1	15	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Calibration Date**	: 08/27/24 12:49
Lab File ID	: 17240827a-17	**Init. Calib. Date(s)**	: 07/12/24 07/12/24
Sample No	: WG1964271-2	**Init. Calib. Times**	: 14:41 16:13
Channel	: A		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	115	0
Dalapon	0.147	0.196	-	-33.3*	15	157	0
DCAA (surrogate)	0.164	0.179	-	-9.1	15	125	0
Dicamba	0.547	0.541	-	1.1	15	116	0
MCPP	0.00077	0.00061	-	20.8*	15	87	0
MCPA	18.6	14.207	-	23.6*	15	89	0
Dichloroprop	0.153	0.172	-	-12.4	15	134	0
2,4-D	0.176	0.201	-	-14.2	15	136	0
2,4,5-TP (Silvex)	0.661	0.736	-	-11.3	15	132	0
2,4,5-T	0.607	0.713	-	-17.5*	15	140	0
2,4-DB	0.1	0.099	-	1	15	117	0
Dinoseb	0.28	0.425	-	-51.8*	15	176	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST17		**Calibration Date**	: 08/27/24 12:49	
Lab File ID	: 17240827a-17		**Init. Calib. Date(s)**	: 07/12/24	07/12/24
Sample No	: WG1964271-2		**Init. Calib. Times**	: 14:41	16:13
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	105	0
Dalapon	0.205	0.218	-	-6.3	15	115	0
DCAA (surrogate)	0.204	0.199	-	2.5	15	101	0
Dicamba	0.597	0.572	-	4.2	15	101	0
MCPP	0.00074	0.00066	-	10.8	15	91	0
MCPA	18.6	17.373	-	6.6	15	93	0
Dichloroprop	0.189	0.184	-	2.6	15	102	0
2,4-D	0.23	0.216	-	6.1	15	98	0
2,4,5-TP (Silvex)	0.826	0.761	-	7.9	15	96	0
2,4,5-T	0.791	0.678	-	14.3	15	91	0
2,4-DB	0.13	0.114	-	12.3	15	92	0
Dinoseb	0.479	0.474	-	1	15	105	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Calibration Date**	: 08/28/24 06:33
Lab File ID	: 17240828a-01	**Init. Calib. Date(s)**	: 07/12/24 07/12/24
Sample No	: WG1964814-1	**Init. Calib. Times**	: 14:41 16:13
Channel	: A		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	111	0
Dalapon	0.147	0.198	-	-34.7*	15	153	0
DCAA (surrogate)	0.164	0.178	-	-8.5	15	120	0
Dicamba	0.547	0.533	-	2.6	15	110	0
MCPP	0.00077	0.00065	-	15.6*	15	89	0
MCPA	18.6	14.958	-	19.6*	15	89	0
Dichloroprop	0.153	0.174	-	-13.7	15	130	0
2,4-D	0.176	0.08	-	54.5*	15	52	0
2,4,5-TP (Silvex)	0.661	0.714	-	-8	15	123	0
2,4,5-T	0.607	0.763	-	-25.7*	15	144	0
2,4-DB	0.1	0.112	-	-12	15	128	0
Dinoseb	0.28	0.58	-	-107.1*	15	232	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Calibration Date**	: 08/28/24 06:33
Lab File ID	: 17240828a-01	**Init. Calib. Date(s)**	: 07/12/24 07/12/24
Sample No	: WG1964814-1	**Init. Calib. Times**	: 14:41 16:13
Channel	: B		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	100	0
Dalapon	0.205	0.208	-	-1.5	15	105	0
DCAA (surrogate)	0.204	0.197	-	3.4	15	96	0
Dicamba	0.597	0.56	-	6.2	15	94	0
MCPP	0.00074	0.00069	-	6.8	15	91	0
MCPA	18.6	18.306	-	1.6	15	93	0
Dichloroprop	0.189	0.187	-	1.1	15	99	0
2,4-D	0.23	0.218	-	5.2	15	95	0
2,4,5-TP (Silvex)	0.826	0.746	-	9.7	15	90	0
2,4,5-T	0.791	0.615	-	22.3*	15	79	0
2,4-DB	0.13	0.114	-	12.3	15	89	0
Dinoseb	0.479	0.416	-	13.2	15	88	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST22		**Calibration Date**	: 08/28/24 10:49	
Lab File ID	: 22240827a-66		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1964358-6		**Init. Calib. Times**	: 15:28	17:01
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	129	0
Dalapon	0.182	0.166	-	8.8	15	105	0
DCAA (surrogate)	0.194	0.18	-	7.2	15	114	0
Dicamba	0.564	0.564	-	0	15	124	0
MCPP	0.00044	0.00043	-	2.3	15	124	0
MCPA	0.00086	0.00083	-	3.5	15	121	0
Dichloroprop	0.18	0.171	-	5	15	118	0
2,4-D	0.217	0.209	-	3.7	15	120	-.05
2,4,5-TP (Silvex)	0.806	0.762	-	5.5	15	118	-.03
2,4,5-T	0.811	0.832	-	-2.6	15	128	-.04
2,4-DB	0.118	0.106	-	10.2	15	111	-.05
Dinoseb	0.581	0.44	-	24.3*	15	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST22		**Calibration Date**	: 08/28/24 10:49	
Lab File ID	: 22240827a-66		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1964358-6		**Init. Calib. Times**	: 15:28	17:01
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	149	0
Dalapon	0.182	0.158	-	13.2	15	124	0
DCAA (surrogate)	0.194	0.183	-	5.7	15	134	0
Dicamba	0.57	0.541	-	5.1	15	135	0
MCPP	0.00058	0.00046	-	20.7*	15	114	0
MCPA	0.00106	0.00088	-	17*	15	121	0
Dichloroprop	0.18	0.165	-	8.3	15	131	0
2,4-D	0.188	0.183	-	2.7	15	139	0
2,4,5-TP (Silvex)	0.814	0.747	-	8.2	15	132	0
2,4,5-T	0.774	0.683	-	11.8	15	128	-.01
2,4-DB	0.131	0.112	-	14.5	15	125	-.01
Dinoseb	0.525	0.462	-	12	15	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST17	**Calibration Date**	: 08/28/24 15:48
Lab File ID	: 17240828a-18	**Init. Calib. Date(s)**	: 07/12/24 07/12/24
Sample No	: WG1964814-2	**Init. Calib. Times**	: 14:41 16:13
Channel	: A		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	115	0
Dalapon	0.147	0.211	-	-43.5*	15	168	0
DCAA (surrogate)	0.164	0.177	-	-7.9	15	123	0
Dicamba	0.547	0.537	-	1.8	15	115	0
MCPP	0.00077	0.0006	-	22.1*	15	85	0
MCPA	18.6	14.207	-	23.6*	15	89	0
Dichloroprop	0.153	0.169	-	-10.5	15	131	0
2,4-D	0.176	0.201	-	-14.2	15	136	0
2,4,5-TP (Silvex)	0.661	0.714	-	-8	15	127	0
2,4,5-T	0.607	0.713	-	-17.5*	15	139	0
2,4-DB	0.1	0.102	-	-2	15	120	0
Dinoseb	0.28	0.515	-	-83.9*	15	213	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST17		**Calibration Date**	: 08/28/24 15:48	
Lab File ID	: 17240828a-18		**Init. Calib. Date(s)**	: 07/12/24	07/12/24
Sample No	: WG1964814-2		**Init. Calib. Times**	: 14:41	16:13
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	106	0
Dalapon	0.205	0.22	-	-7.3	15	117	0
DCAA (surrogate)	0.204	0.196	-	3.9	15	100	0
Dicamba	0.597	0.566	-	5.2	15	100	0
MCPP	0.00074	0.00066	-	10.8	15	92	0
MCPA	18.6	17.019	-	8.5	15	92	0
Dichloroprop	0.189	0.182	-	3.7	15	101	0
2,4-D	0.23	0.227	-	1.3	15	104	0
2,4,5-TP (Silvex)	0.826	0.751	-	9.1	15	95	0
2,4,5-T	0.791	0.657	-	16.9*	15	88	0
2,4-DB	0.13	0.108	-	16.9*	15	88	0
Dinoseb	0.479	0.462	-	3.5	15	103	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024 10:49
Operator : pest22:jag
Sample   : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc   : wg1964358,,ical21298
ALS Vial : 66   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	129	0.00
2	t	Dalapon	*	0.182	0.166	8.8	105	0.00
3	s	DCAA (surrogate)		0.194	0.180	7.2	114	0.00
4	t	Dicamba		0.564	0.564	0.0	124	0.00
5	t	MCPP		0.00044	0.00043	2.3	124	0.00
6	t	MCPA		0.00086	0.00083	3.5	121	0.00
7	t	Dichloroprop		0.180	0.171	5.0	118	0.00
8	t	2,4-D		0.217	0.209	3.7	120	-0.05
9	t	2,4,5-TP (Silvex)		0.806	0.762	5.5	118	-0.03
10	t	2,4,5-T		0.811	0.832	-2.6	128	-0.04
11	t	2,4-DB		0.118	0.106	10.2	111	-0.05
12	t	Dinoseb		0.581	0.440	24.3#	95	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	149	0.00
2	t	Dalapon	*	0.182	0.158	13.2	124	0.00
3	s	DCAA (surrogate)		0.194	0.183	5.7	134	0.00
4	t	Dicamba		0.570	0.541	5.1	135	0.00
5	t	MCPP		0.00058	0.00046	20.7#	114	0.00
6	t	MCPA		0.00106	0.00088	17.0#	121	0.00
7	t	Dichloroprop		0.180	0.165	8.3	131	0.00
8	t	2,4-D	*	0.188	0.183	2.7	139	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.747	8.2	132	0.00
10	t	2,4,5-T		0.774	0.683	11.8	128	-0.01
11	t	2,4-DB		0.131	0.112	14.5	125	-0.01
12	t	Dinoseb		0.525	0.462	12.0	126	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024 10:49
Operator : pest22:jag
Sample   : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc   : wg1964358,,ical21298
ALS Vial : 66   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

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* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.494	8.480	1243.8E6	1444.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.952	7.410	168.5E6	199.2E6	0.174	0.177M3
		Spiked Amount	0.500	Range	30 - 150	Recovery =	34.80%	35.40%
		Target Compounds						
2)	t	Dalapon	2.365	2.356	181.8E6	199.7E6	0.166M3	0.158M3
4)	t	Dicamba	7.132	7.590	527.3E6	587.2E6	0.188M4	0.178M4
5)	t	MCPP	7.334	7.702	40456453	50001947	18.277M4	14.794M4
6)	t	MCPA	7.481	7.928	77105411	94998103	18.015M4	15.582M3
7)	t	Dichloroprop	7.836	8.246	159.9E6	179.8E6	0.179M3	0.173M3
8)	t	2,4-D	8.058f	8.524	195.4E6	262.0E6	0.181M2	0.183M3
9)	t	2,4,5-TP (Si	8.769f	9.181	720.3E6	819.9E6	0.180M4	0.174M3
10)	t	2,4,5-T	8.999f	9.472	786.5E6	749.9E6	0.195M2	0.168M4
11)	t	2,4-DB	9.409f	9.834	101.6E6	124.0E6	0.173M2	0.164M2
12)	t	Dinoseb	10.144	10.053	415.6E6	507.6E6	0.144M4	0.167M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

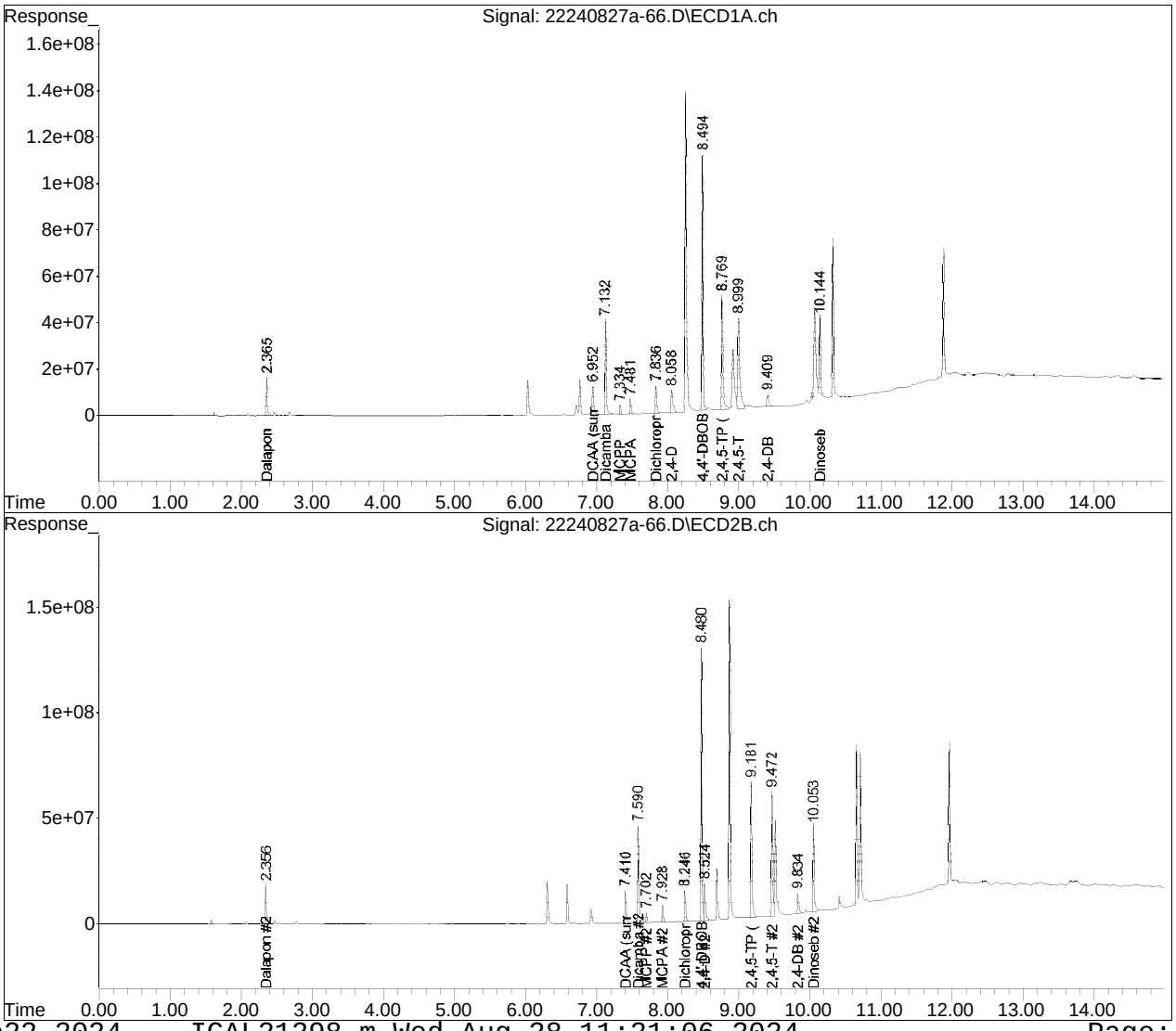
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

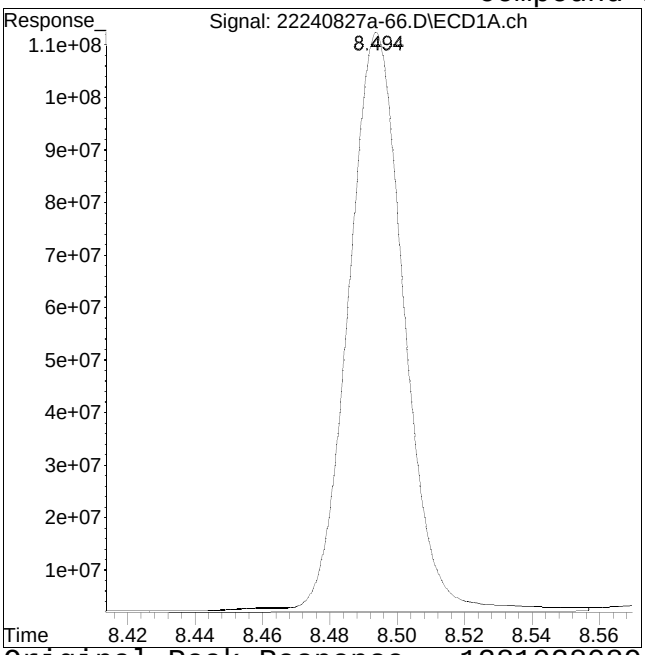
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

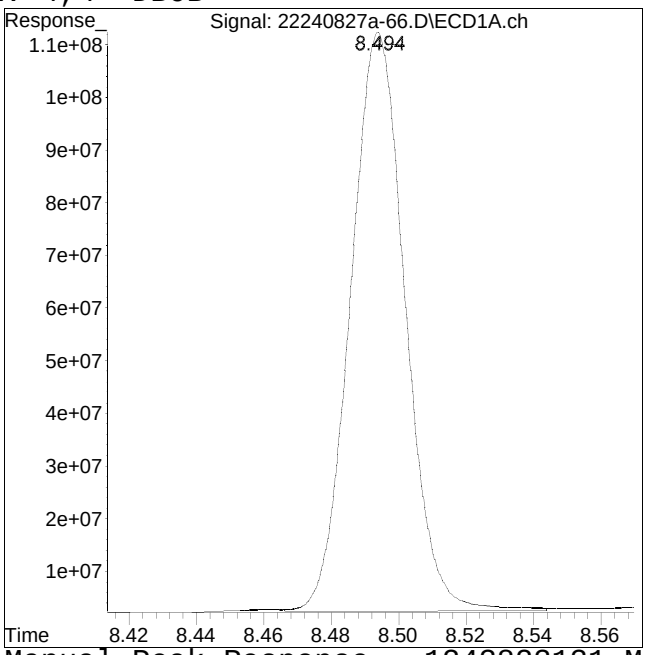


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #1: 4,4'-DBOB



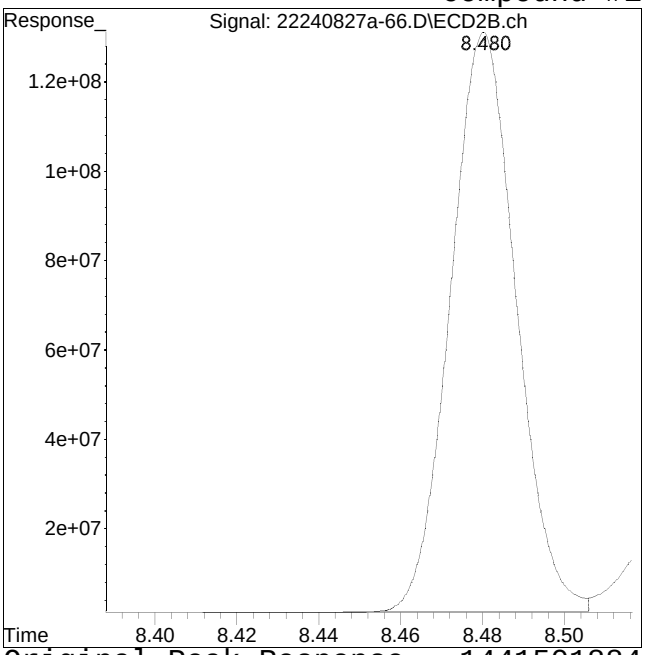


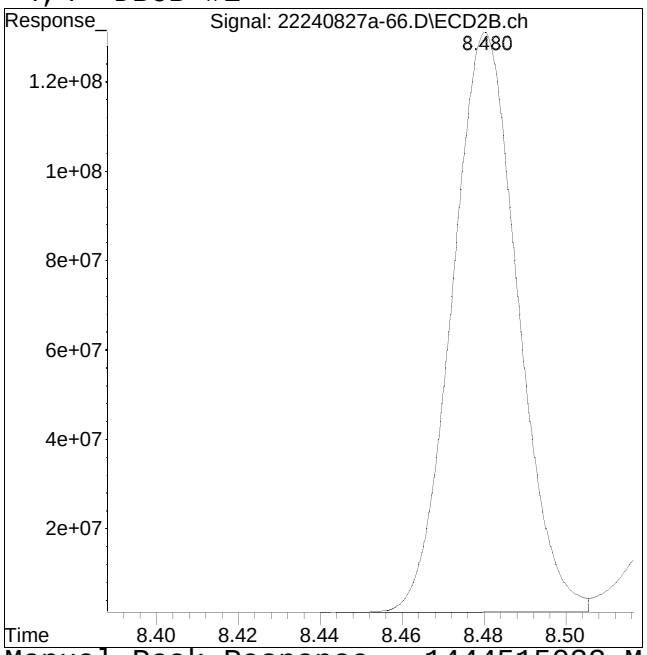
Original Peak Response = 1281028089 Manual Peak Response = 1243823131 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #14: 4,4'-DBOB #2



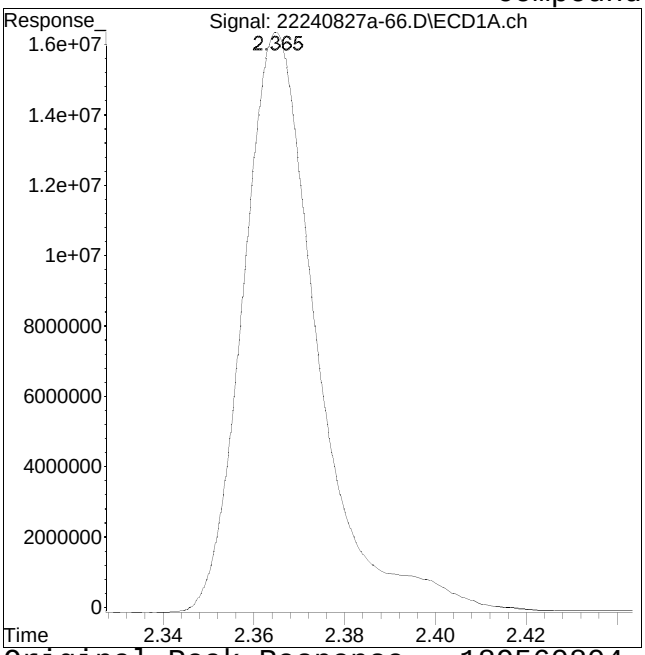


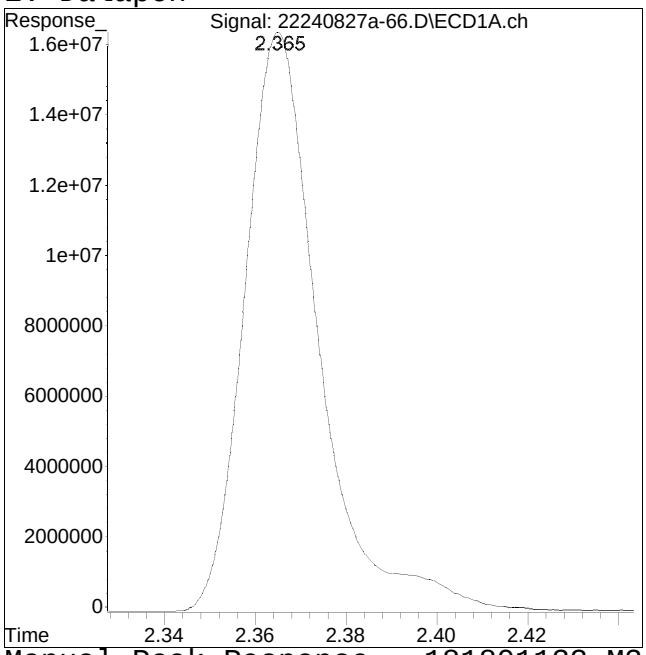
Original Peak Response = 1441501884 Manual Peak Response = 1444515032 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #2: Dalapon



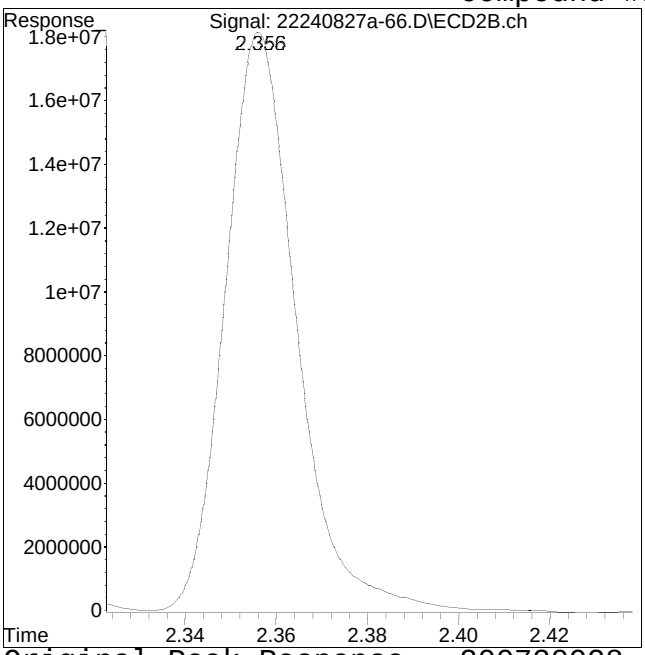


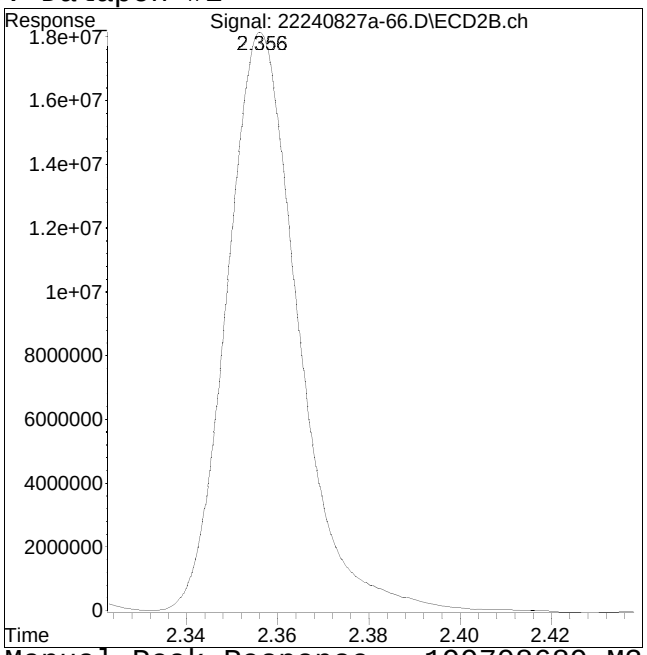
Original Peak Response = 189560804 Manual Peak Response = 181801133 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #15: Dalapon #2



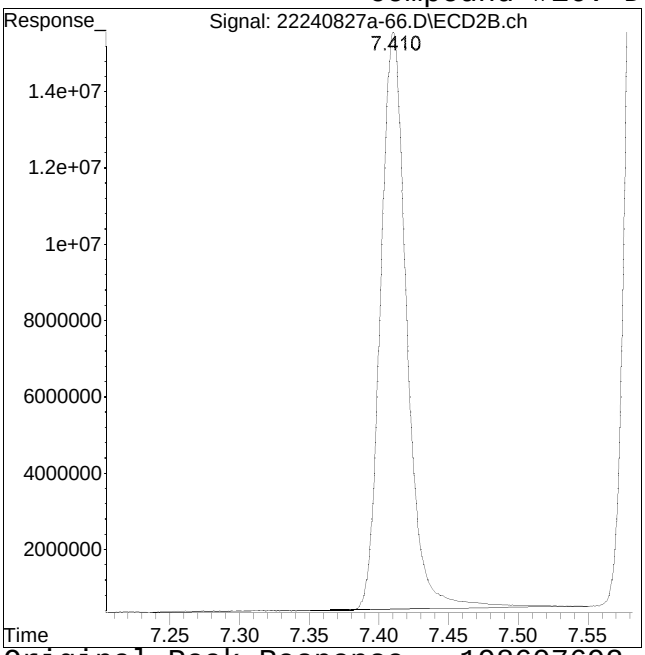


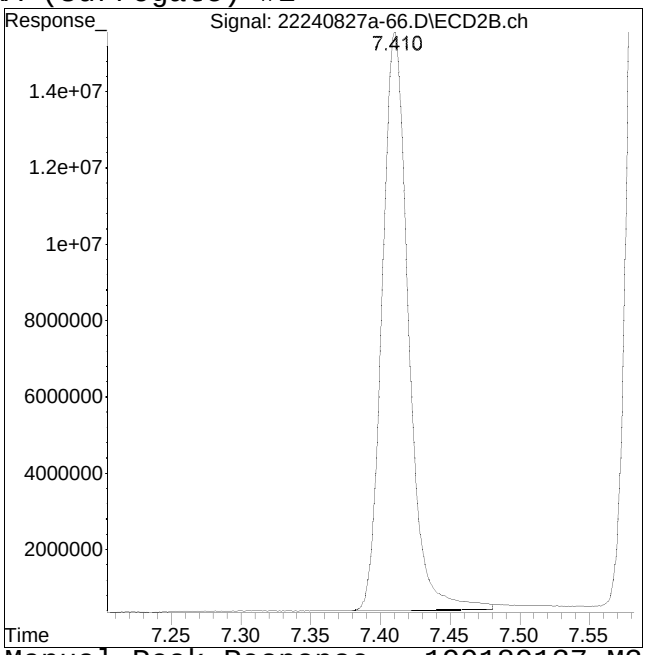
Original Peak Response = 200720928 Manual Peak Response = 199708689 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #16: DCAA (surrogate) #2



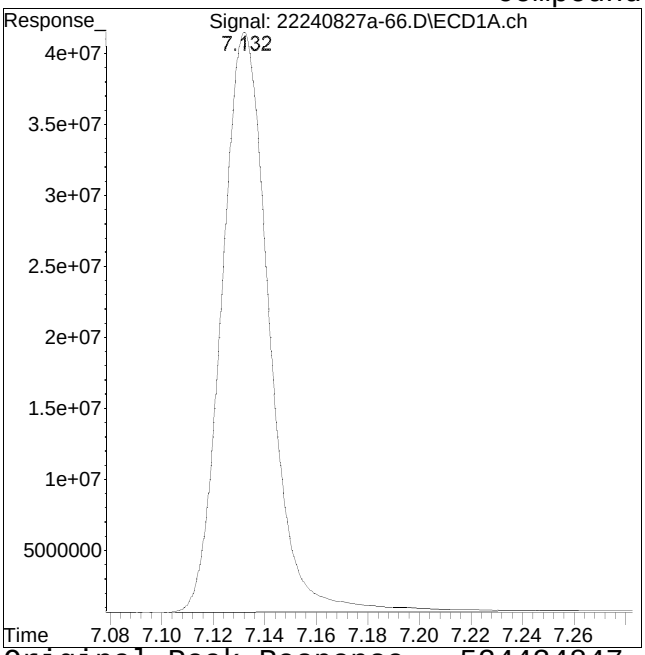


Original Peak Response = 198607692 Manual Peak Response = 199189137 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

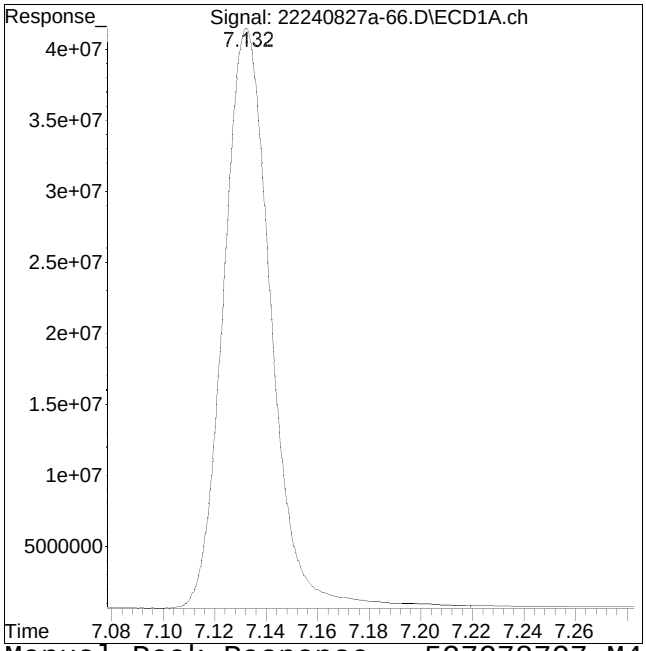
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #4: Dicamba



Original Peak Response = 524434847



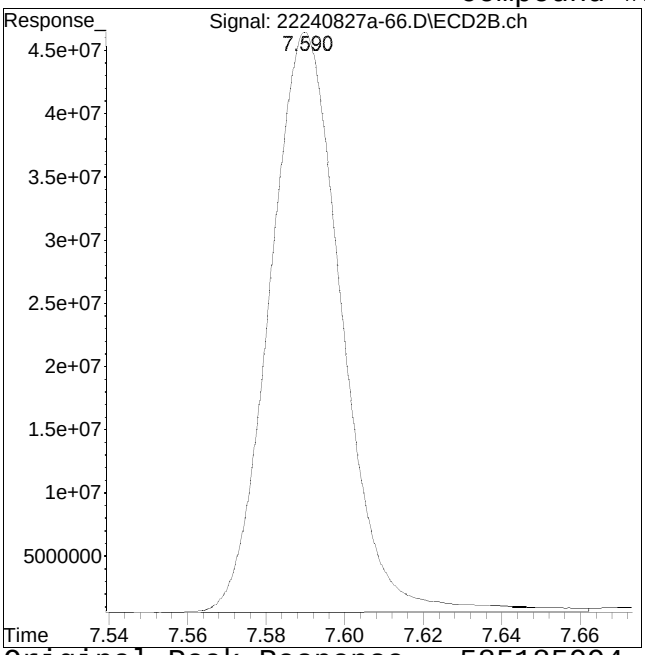
Manual Peak Response = 527278727 M4

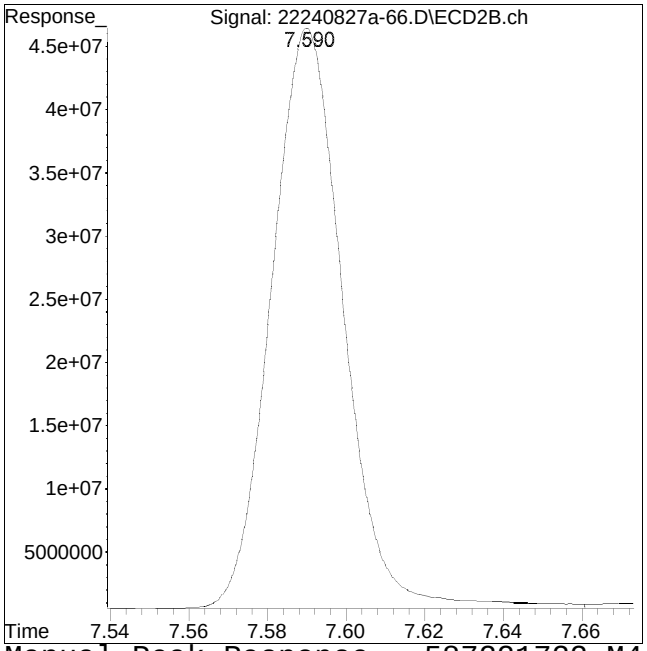
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #17: Dicamba #2



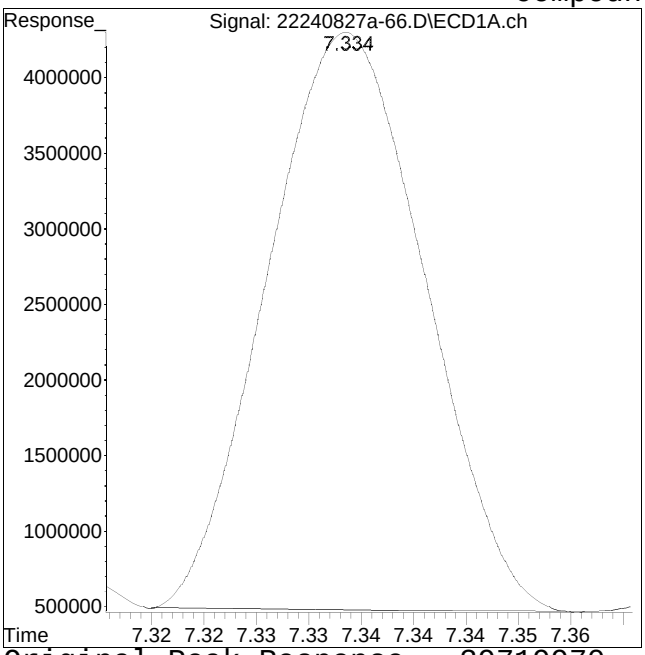


Original Peak Response = 585185994 Manual Peak Response = 587221722 M4
M4 = Poor automated baseline construction.

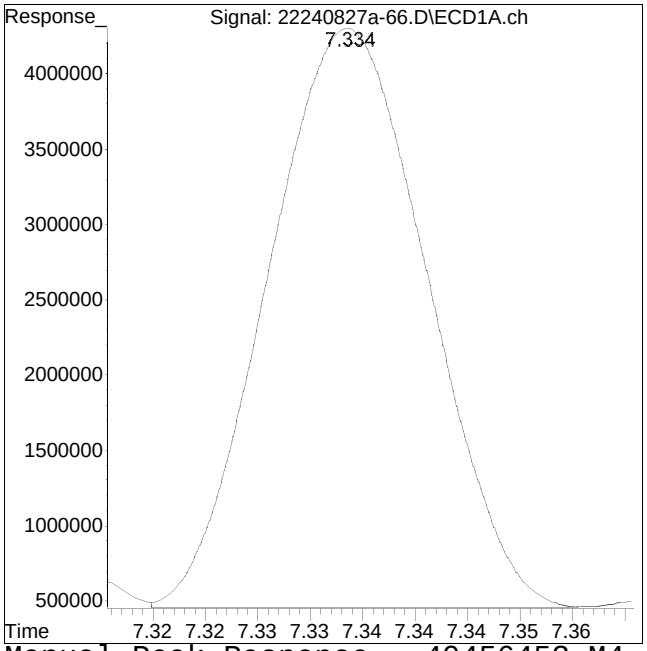
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #5: MCPP



Original Peak Response = 39719970



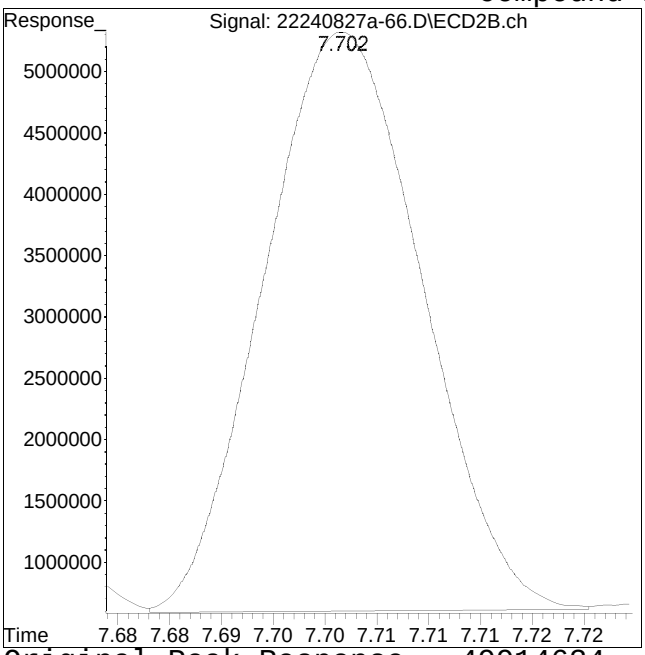
Manual Peak Response = 40456453 M4

M4 = Poor automated baseline construction.

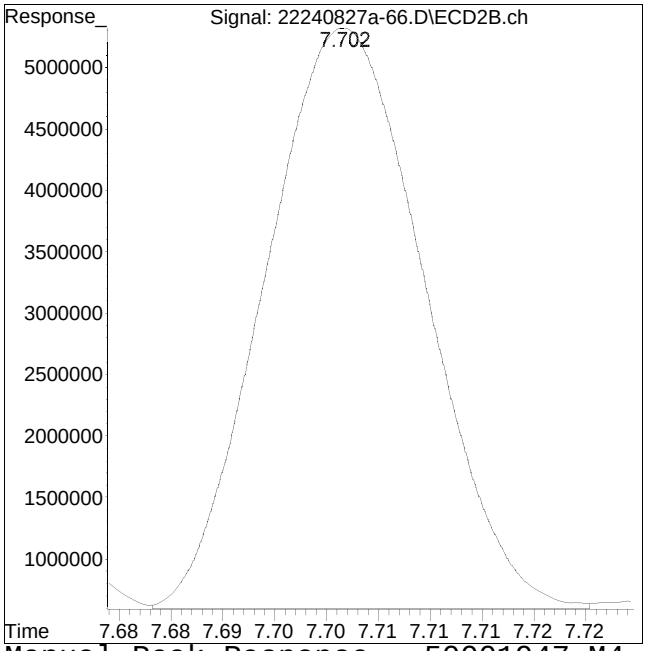
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #18: MCPP #2



Original Peak Response = 49914634



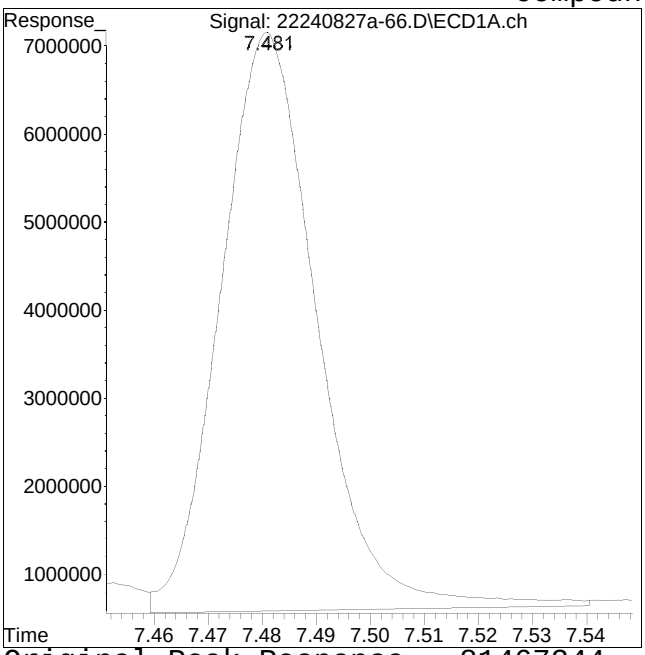
Manual Peak Response = 50001947 M4

M4 = Poor automated baseline construction.

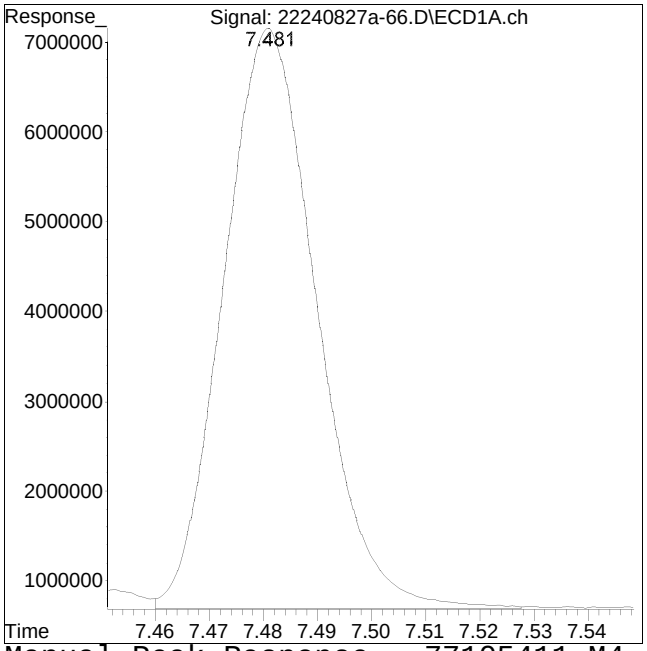
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #6: MCPA



Original Peak Response = 81467244



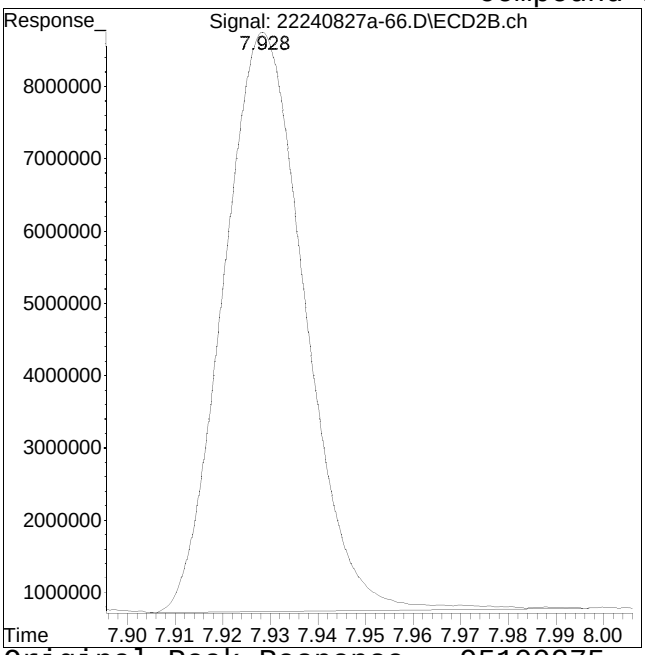
Manual Peak Response = 77105411 M4

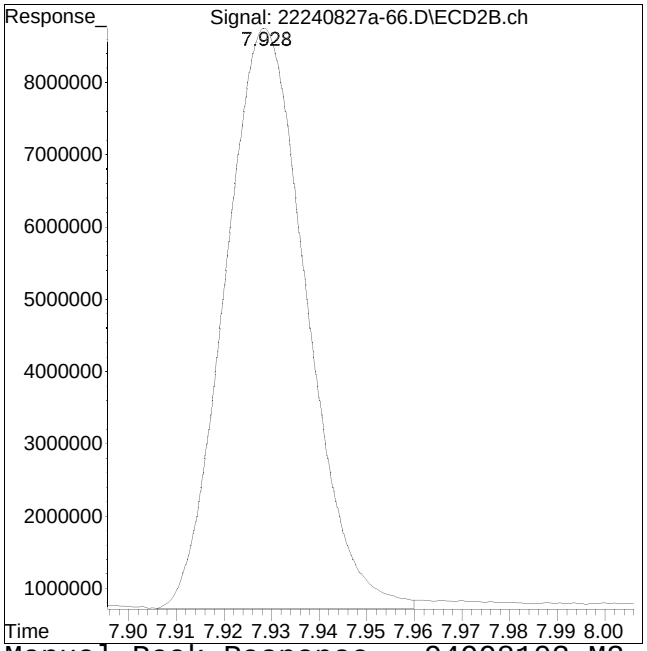
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #19: MCPA #2



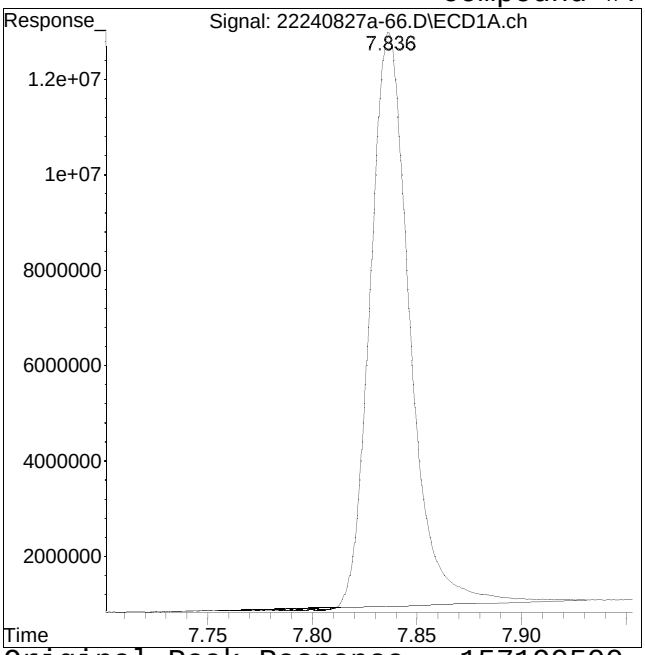


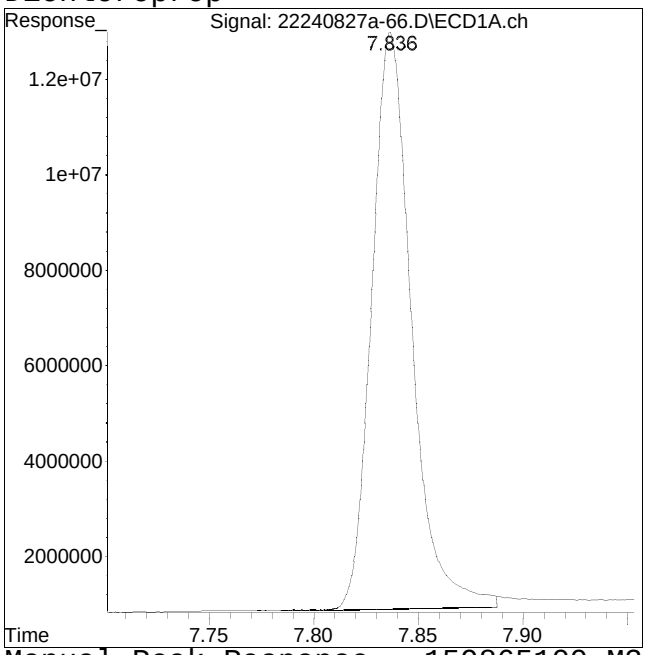
Original Peak Response = 95100275 Manual Peak Response = 94998103 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #7: Dichloroprop



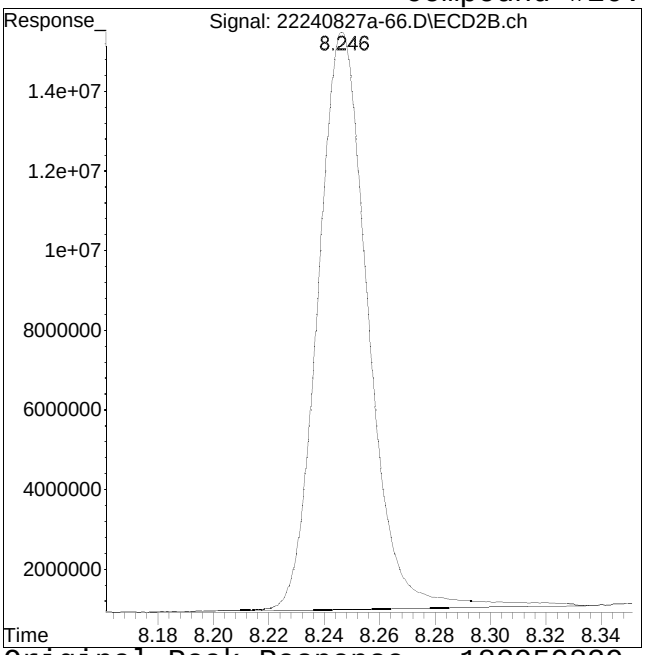


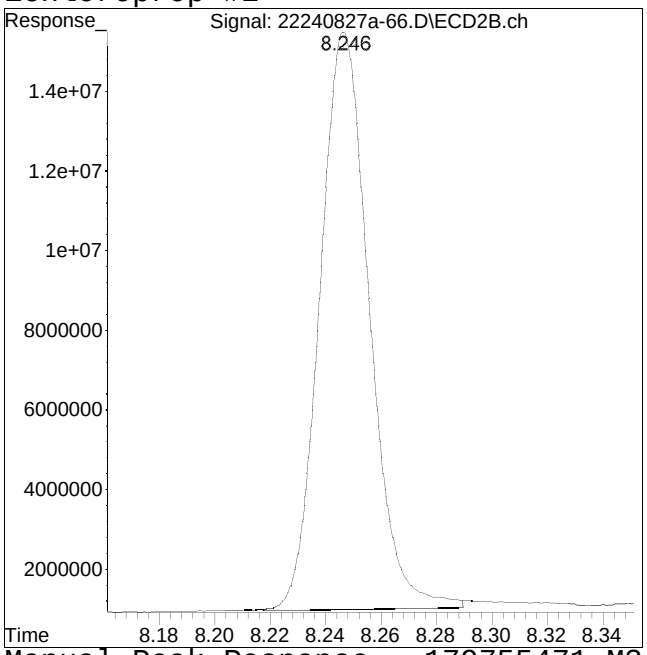
Original Peak Response = 157199500 Manual Peak Response = 159865100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #20: Dichloroprop #2



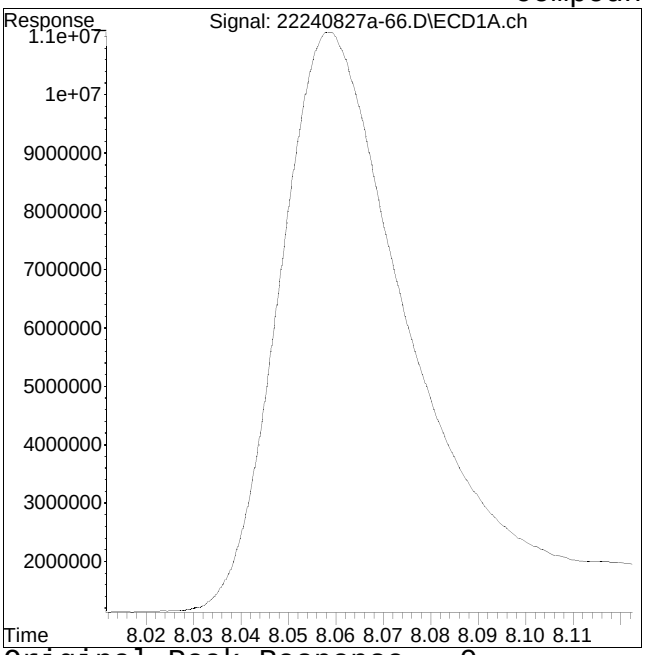


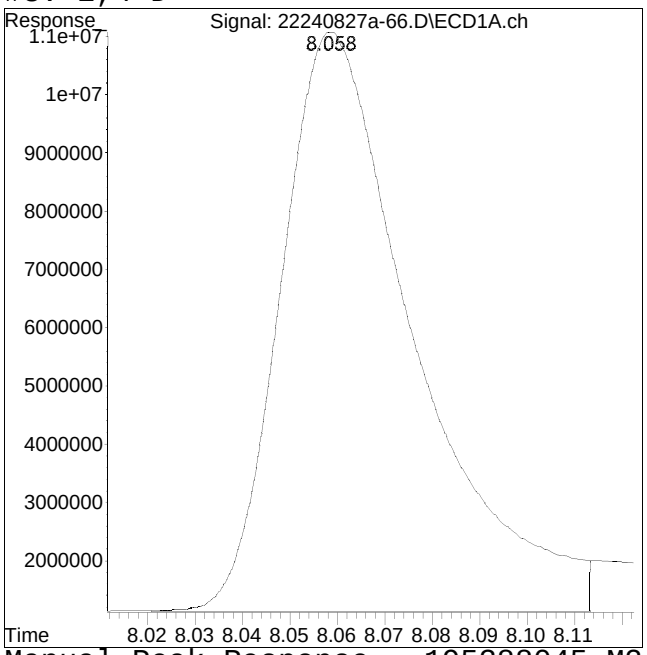
Original Peak Response = 182959839 Manual Peak Response = 179755471 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #8: 2,4-D



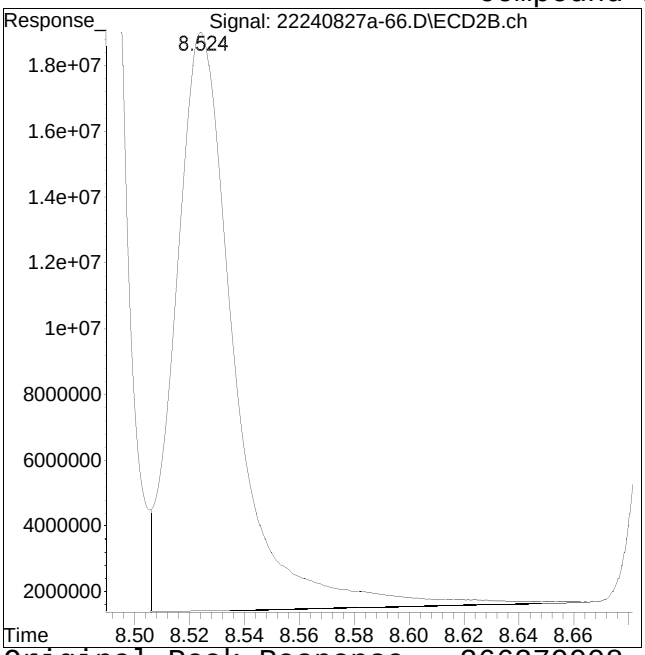


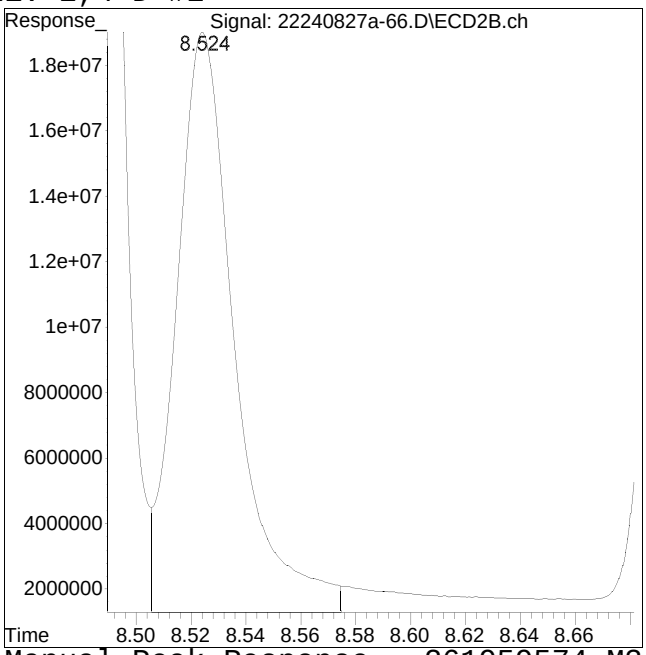
Original Peak Response = 0 Manual Peak Response = 195388045 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #21: 2,4-D #2



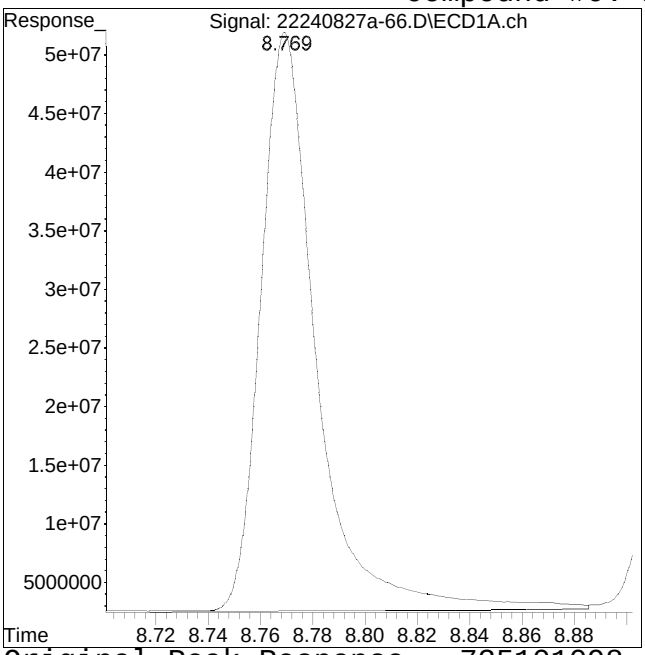


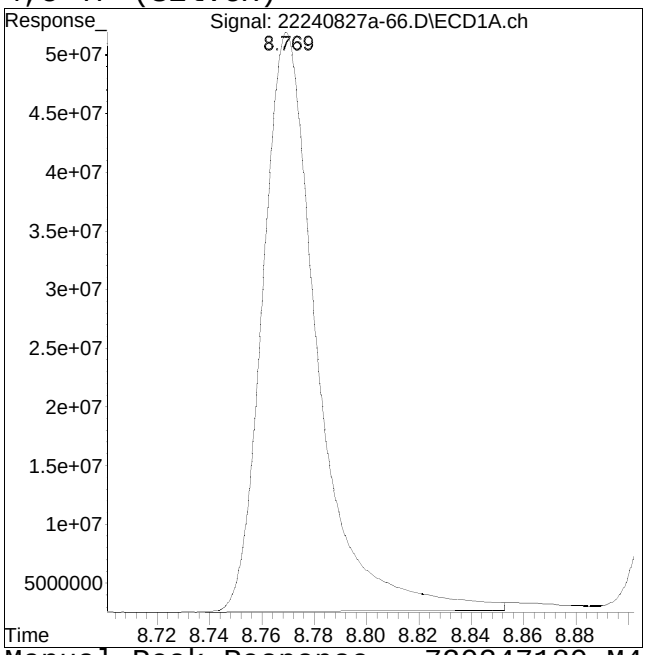
Original Peak Response = 266279908 Manual Peak Response = 261959574 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #9: 2,4,5-TP (Silvex)



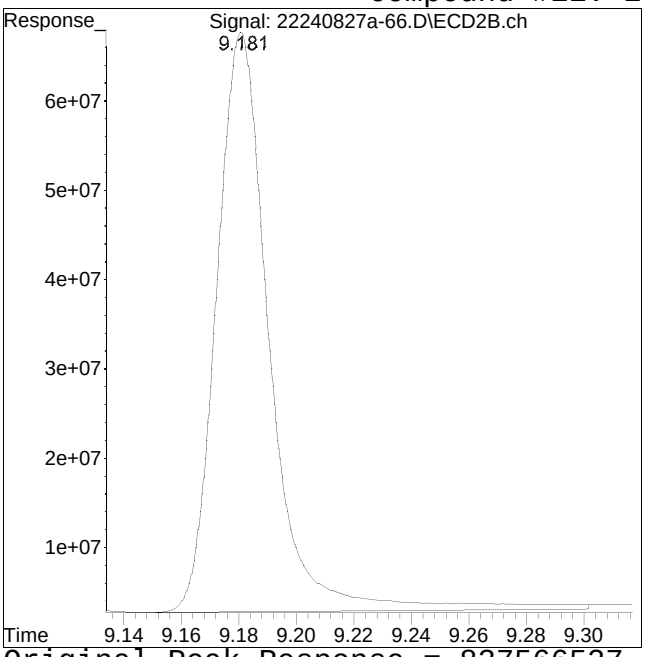


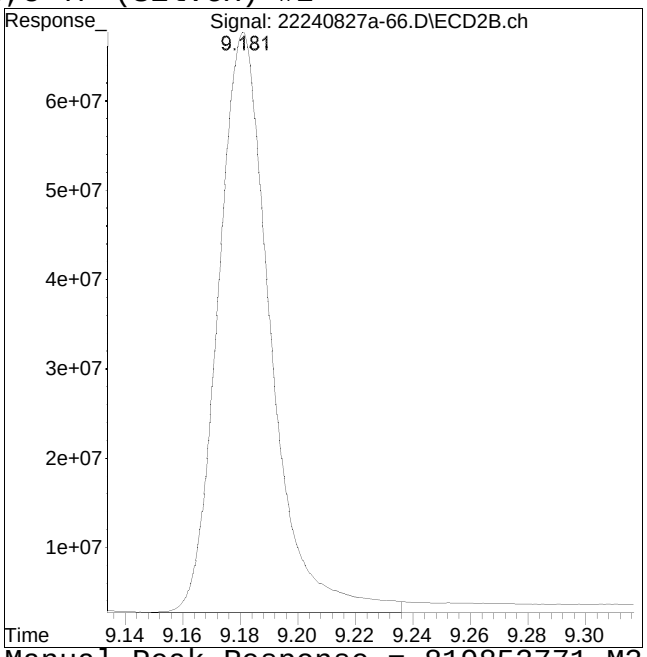
Original Peak Response = 735101098 Manual Peak Response = 720347180 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #22: 2,4,5-TP (Silvex) #2



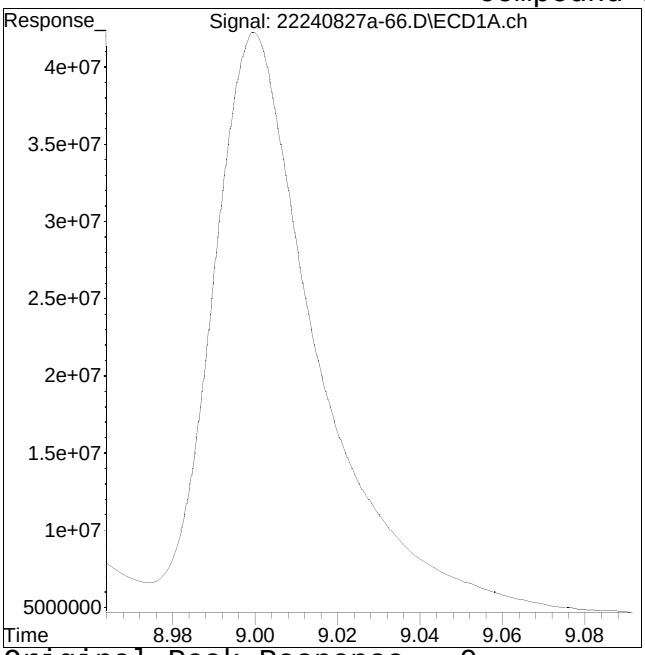


Original Peak Response = 837566527 Manual Peak Response = 819853771 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

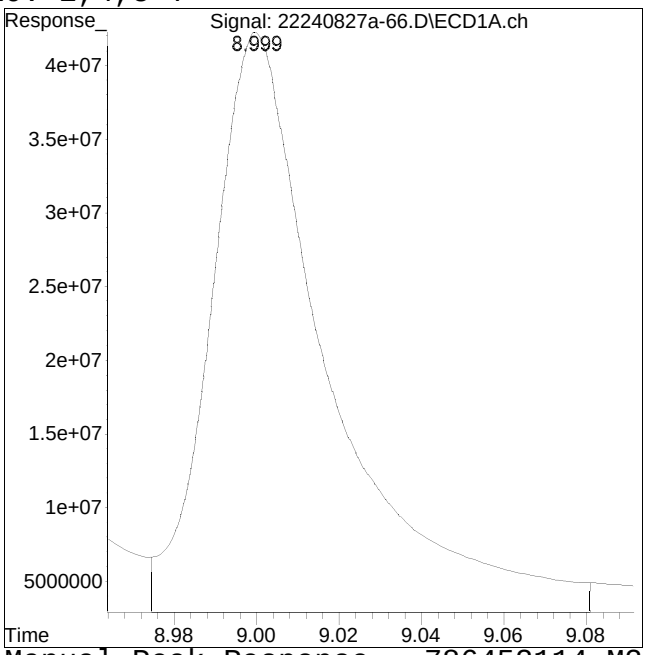
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #10: 2,4,5-T



Original Peak Response = 0



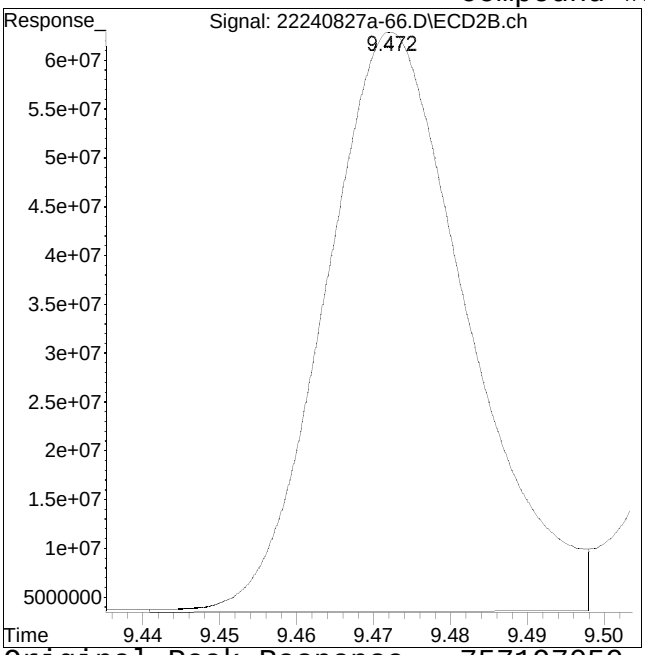
Manual Peak Response = 786452114 M2

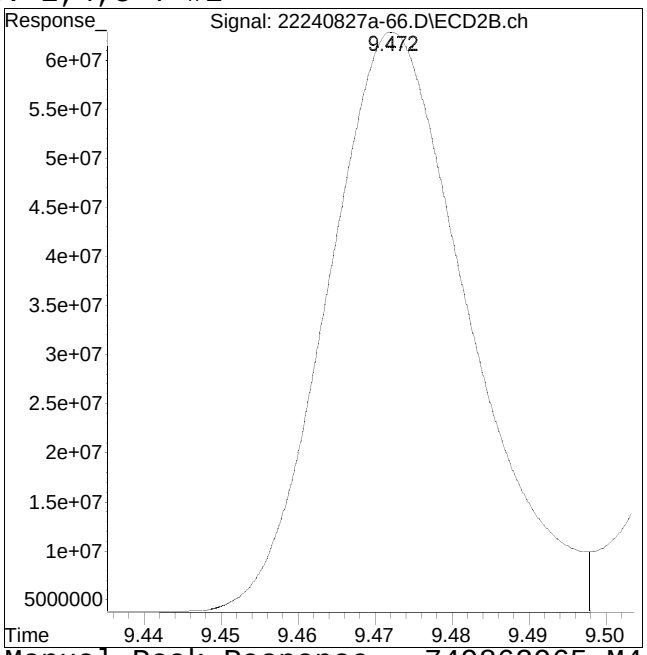
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #23: 2,4,5-T #2



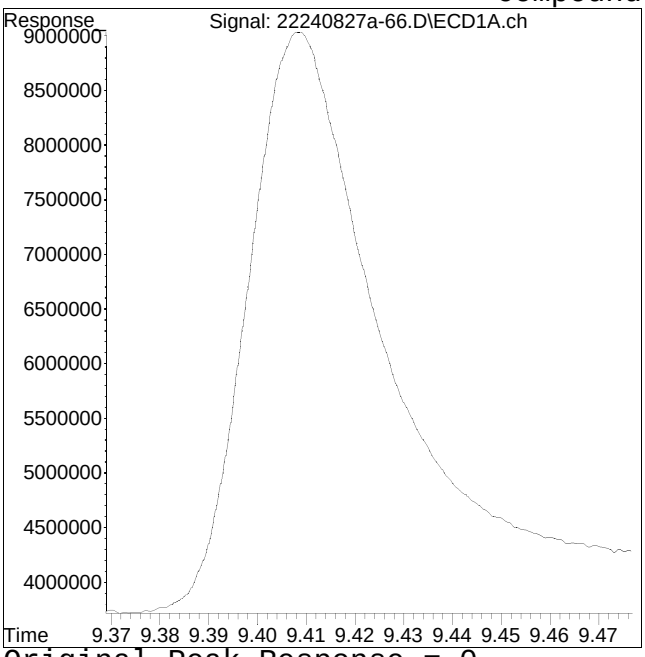


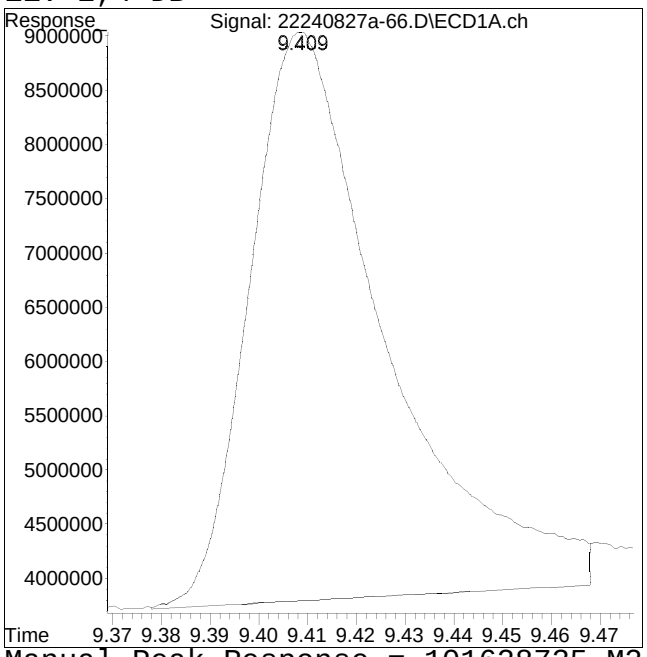
Original Peak Response = 757197050 Manual Peak Response = 749862965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #11: 2,4-DB



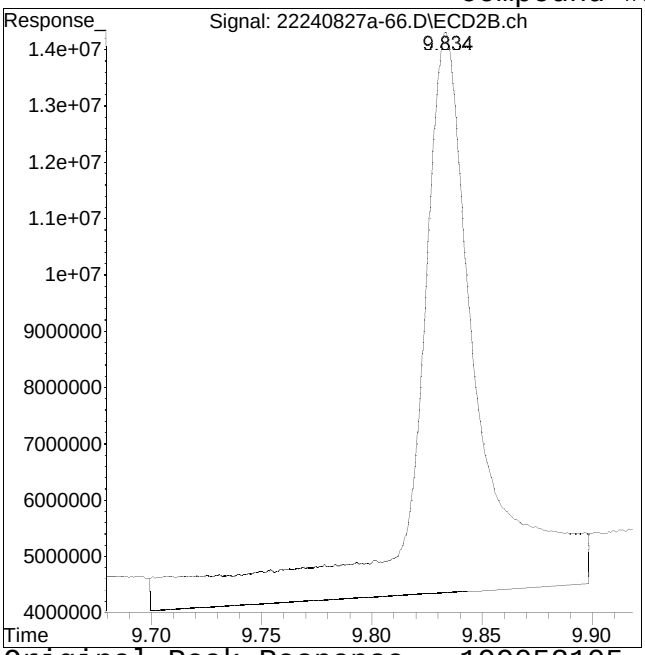


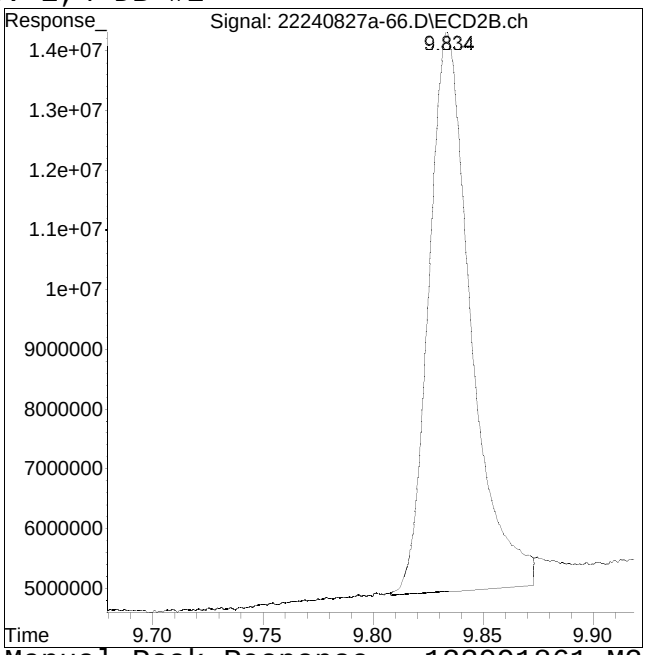
Original Peak Response = 0 Manual Peak Response = 101628735 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #24: 2,4-DB #2



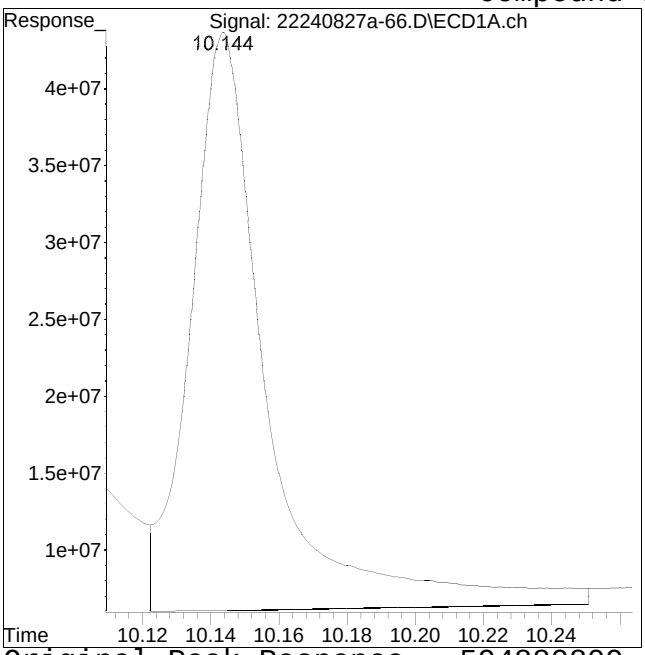


Original Peak Response = 199052105 Manual Peak Response = 123991861 M2
M2 = Peak not found by automatic integration algorithm.

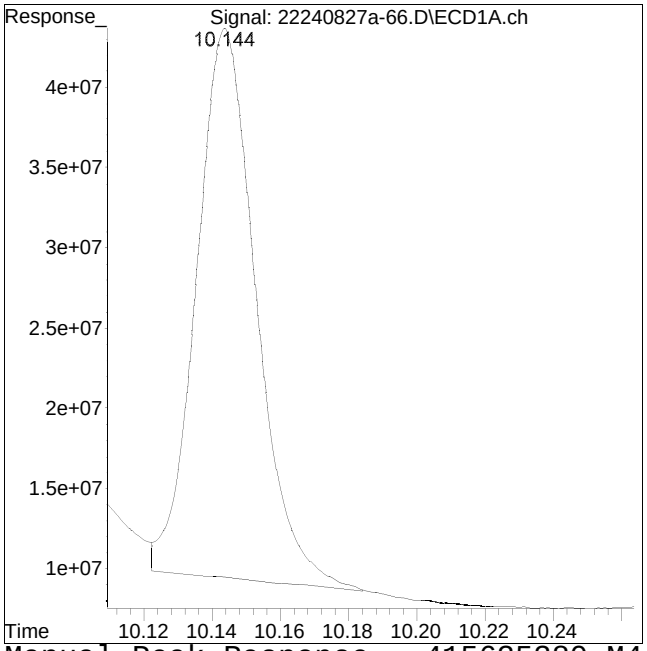
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #12: Dinoseb



Original Peak Response = 594880809



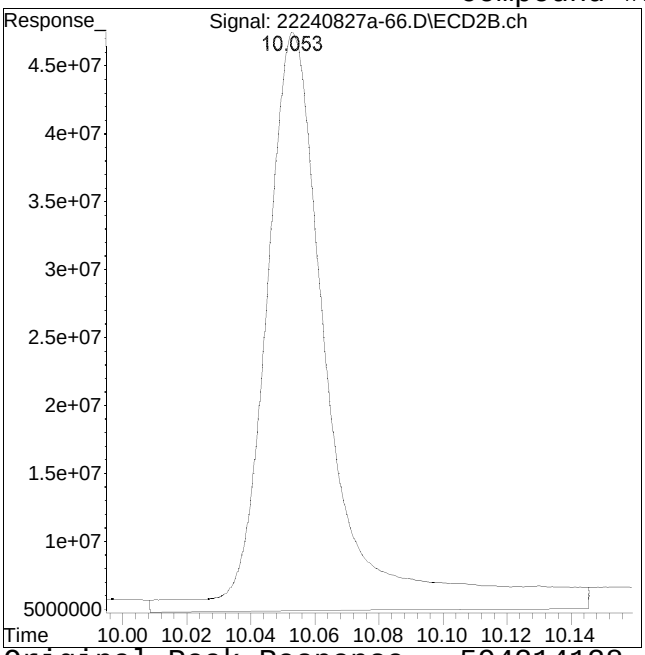
Manual Peak Response = 415635380 M4

M4 = Poor automated baseline construction.

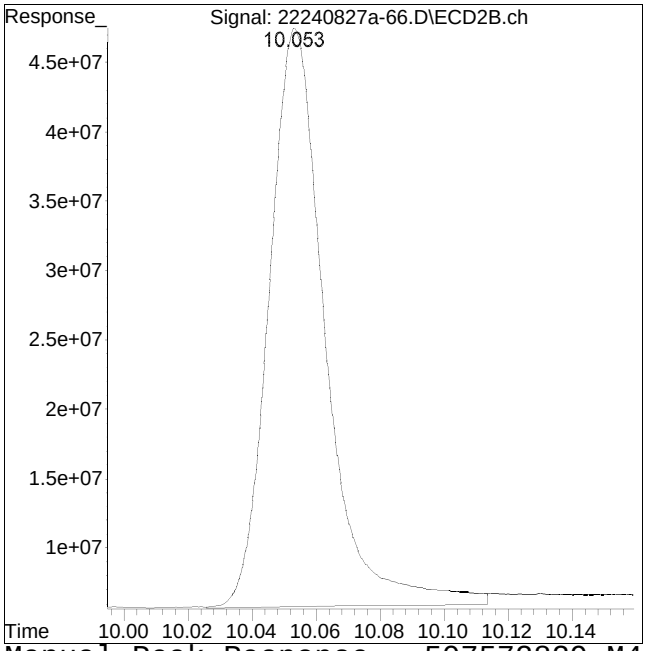
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #25: Dinoseb #2



Original Peak Response = 594214128



Manual Peak Response = 507572829 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024   6:09
Operator : PEST17:peg
Sample   : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	112	0.00
2	t	Dalapon		0.147	0.209	-42.2#	163#	0.00
3	s	DCAA (surrogate)		0.164	0.183	-11.6	124	0.00
4	t	Dicamba		0.547	0.548	-0.2	114	0.00
5	t	MCPP		0.00077	0.00067	13.0	93	0.00
6	t	MCPA	*	18.600	15.481	16.8#	92	0.00
7	t	Dichloroprop		0.153	0.178	-16.3#	135	0.00
8	t	2,4-D		0.176	0.203	-15.3#	134	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.738	-11.6	128	0.00
10	t	2,4,5-T		0.607	0.720	-18.6#	137	0.00
11	t	2,4-DB		0.100	0.107	-7.0	123	0.00
12	t	Dinoseb		0.280	0.508	-81.4#	205#	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	101	0.00
2	t	Dalapon		0.205	0.218	-6.3	111	0.00
3	s	DCAA (surrogate)		0.204	0.202	1.0	99	0.00
4	t	Dicamba		0.597	0.574	3.9	98	0.00
5	t	MCPP		0.00074	0.00071	4.1	95	0.00
6	t	MCPA	*	18.600	18.399	1.1	94	0.00
7	t	Dichloroprop		0.189	0.189	0.0	101	0.00
8	t	2,4-D		0.230	0.226	1.7	99	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.759	8.1	92	0.00
10	t	2,4,5-T		0.791	0.655	17.2#	84	0.00
11	t	2,4-DB		0.130	0.119	8.5	93	0.00
12	t	Dinoseb		0.479	0.440	8.1	94	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024   6:09
Operator : PEST17:peg
Sample   : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.410	8.399	668.9E6	630.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.854	7.321	91909045	95795164	0.209	0.186M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	41.80%	37.20%
		Target Compounds						
2)	t	Dalapon	1.884	1.911	101.6E6	99961231	0.259M3	0.193M3
4)	t	Dicamba	7.038	7.501	275.4E6	272.4E6	0.188	0.181M4
5)	t	MCPP	7.242	7.615	33953263	33752791	16.466M4	18.009M4
6)	t	MCPA	7.389	7.842	55453201	57487286	15.481	18.399M4
7)	t	Dichloroprop	7.745	8.162	89627785	89572737	0.219	0.188
8)	t	2,4-D	7.960	8.444	102.4E6	107.2E6	0.218M4	0.185
9)	t	2,4,5-TP (Si	8.692	9.109	375.0E6	363.5E6	0.212	0.175
10)	t	2,4,5-T	8.919	9.404	366.0E6	314.0E6	0.225M4	0.157M4
11)	t	2,4-DB	9.338	9.771	55001020	57431485	0.206M2	0.175
12)	t	Dinoseb	10.074	9.985	258.3E6	211.1E6	0.345M4	0.175M4
	D							
		SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

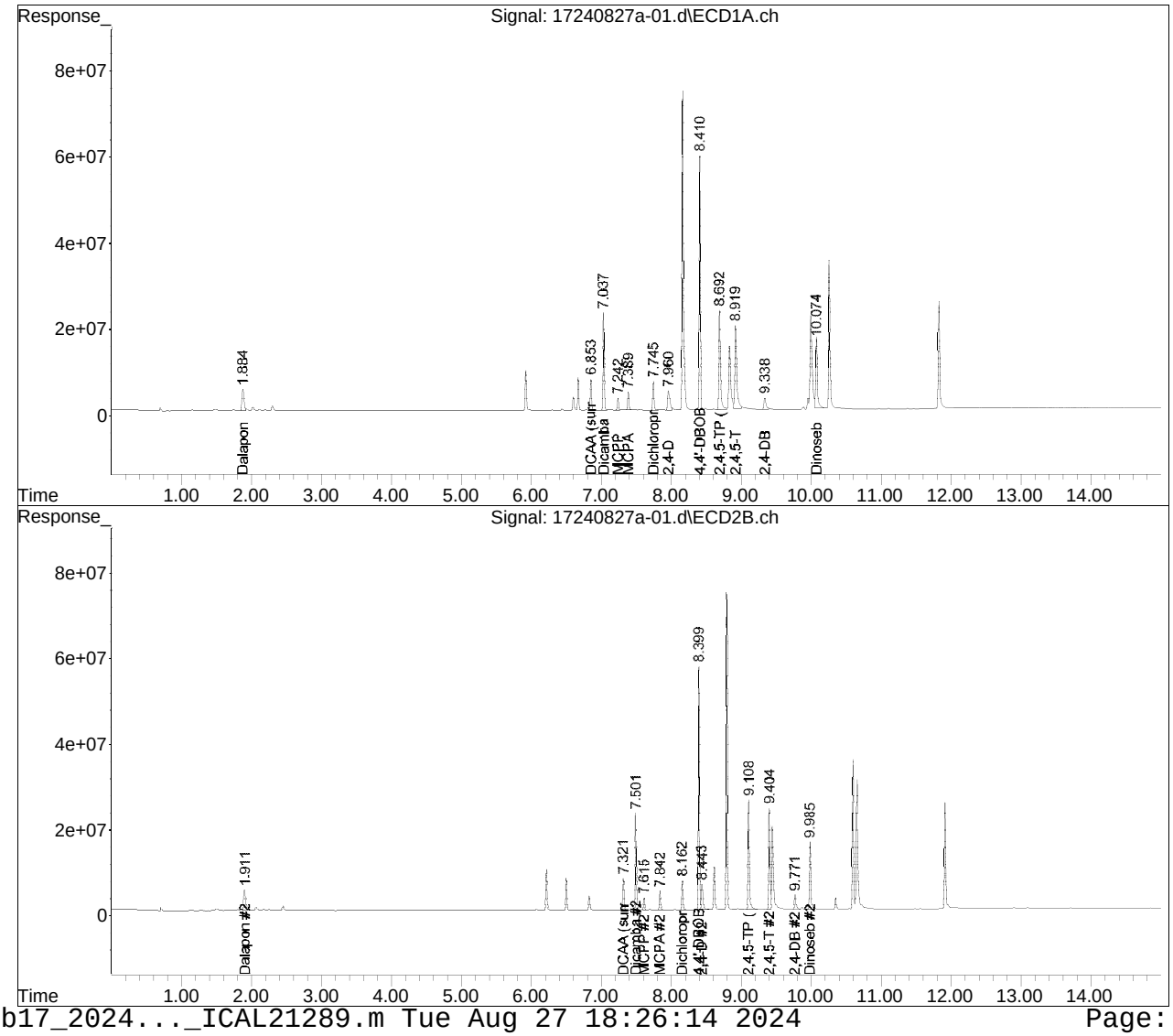
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

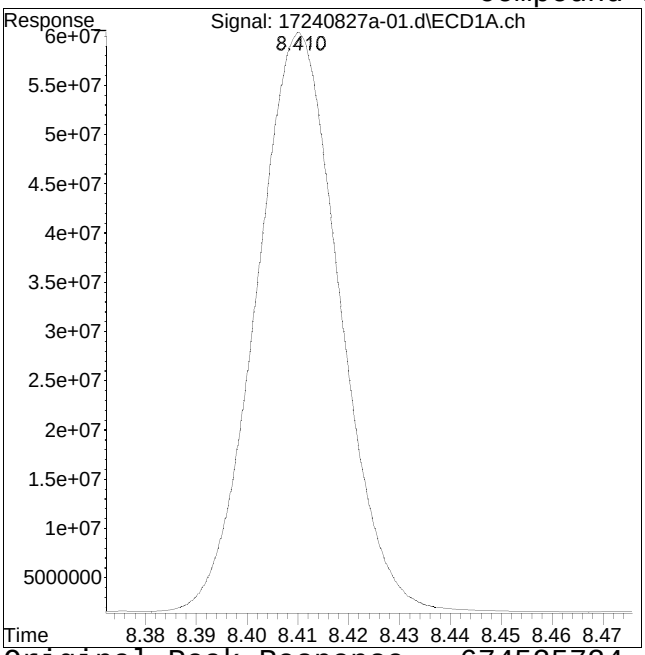
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



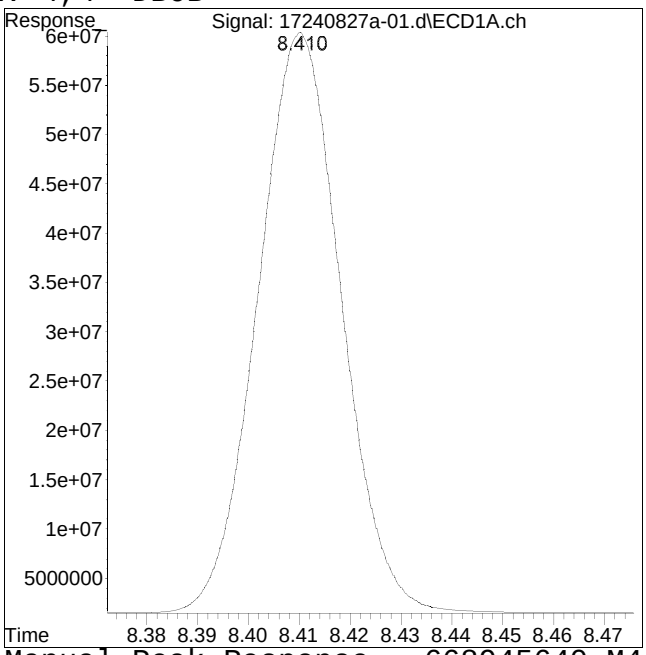
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #1: 4,4'-DBOB



Original Peak Response = 674525724



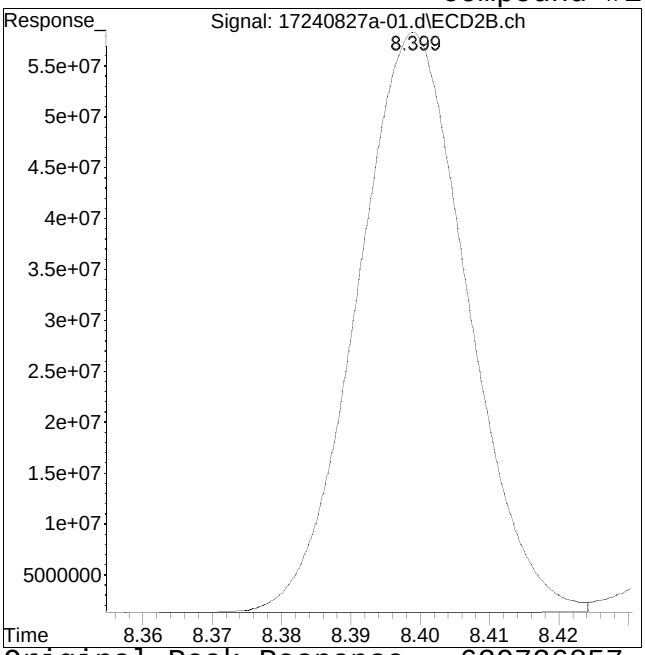
Manual Peak Response = 668945640 M4

M4 = Poor automated baseline construction.

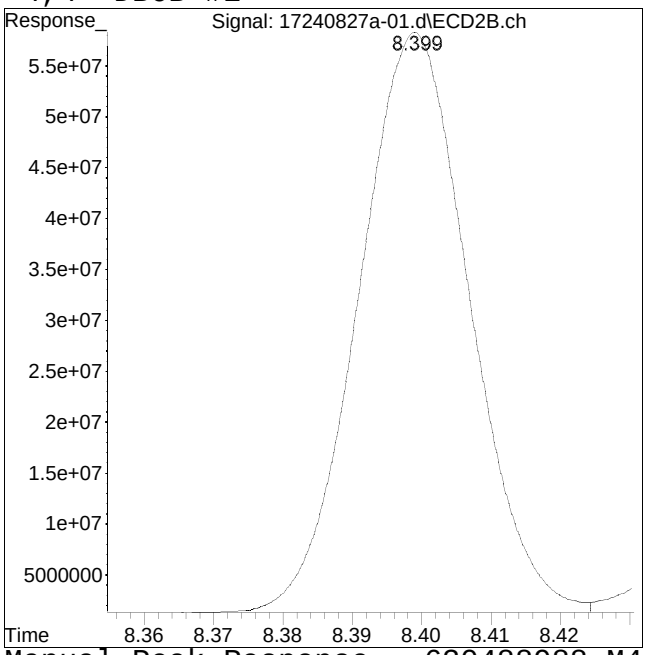
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 629726857



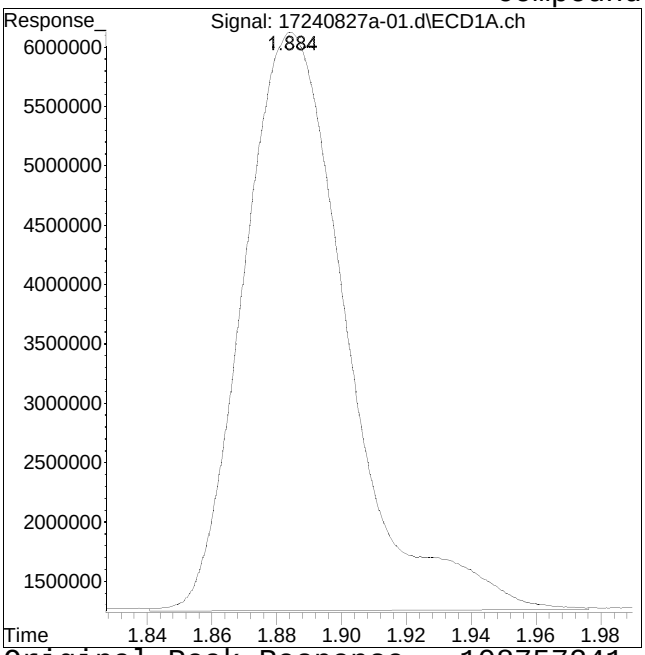
Manual Peak Response = 630488988 M4

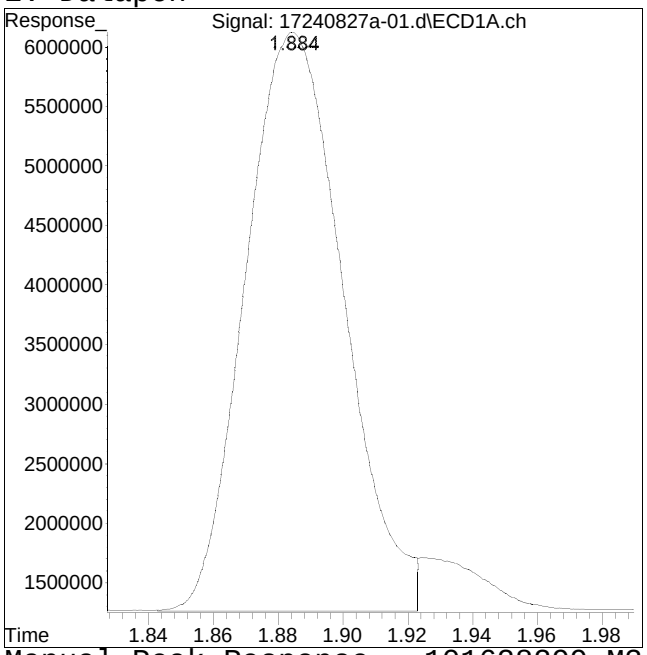
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #2: Dalapon



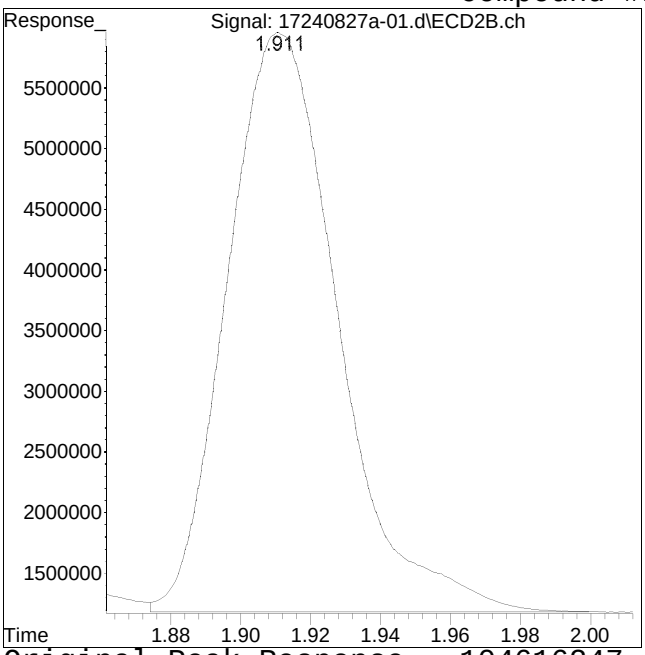


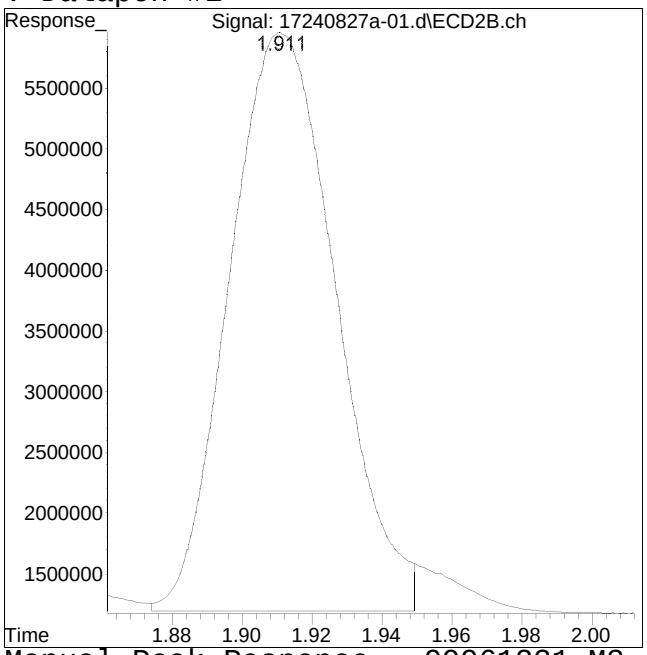
Original Peak Response = 108757241 Manual Peak Response = 101628299 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #15: Dalapon #2



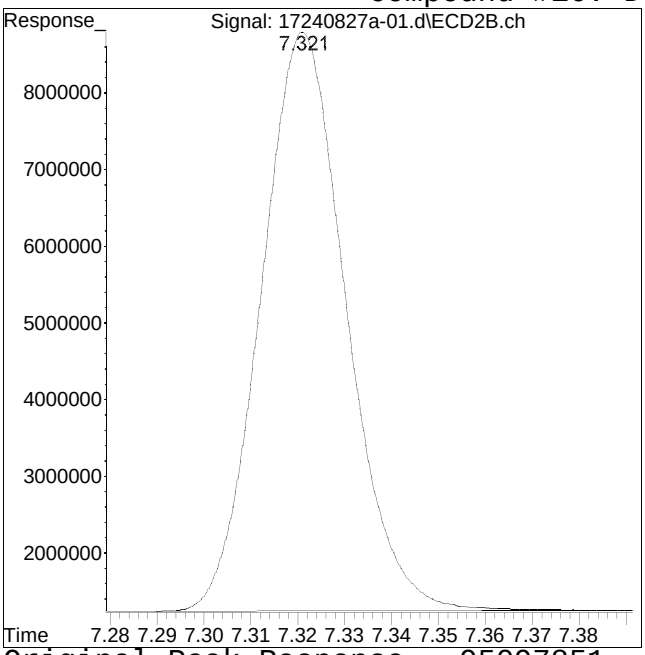


Original Peak Response = 104616247 Manual Peak Response = 99961231 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

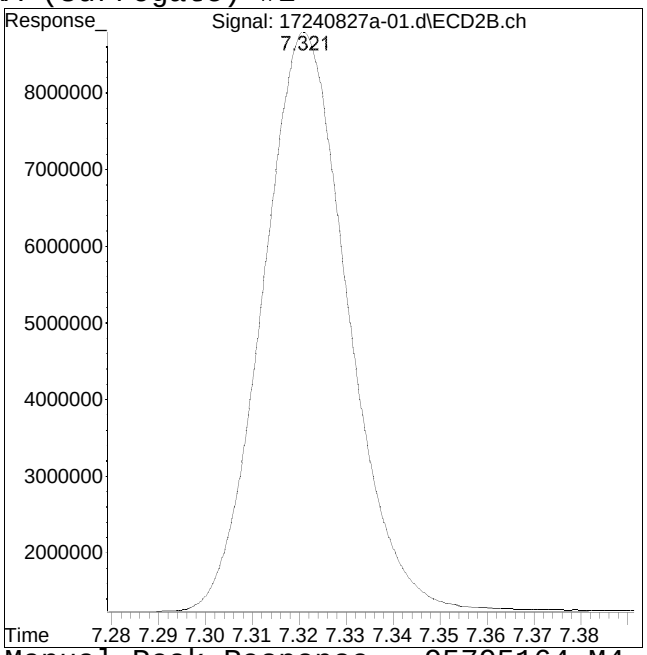
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 95097851



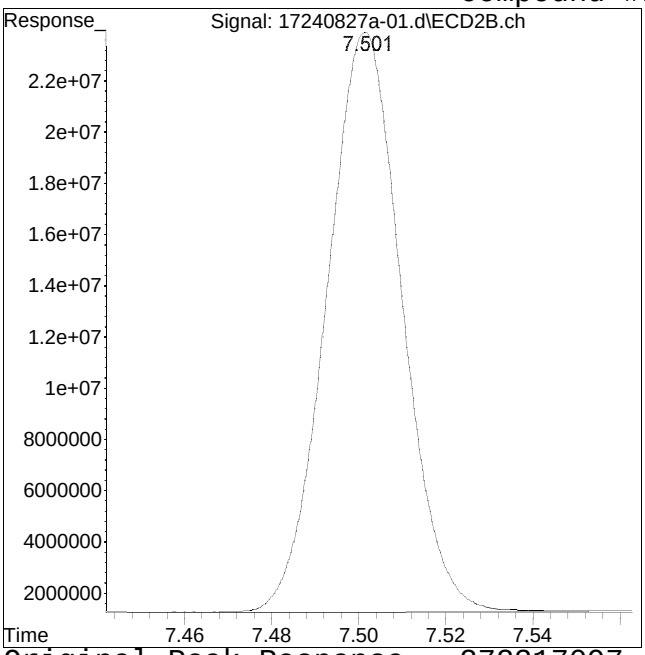
Manual Peak Response = 95795164 M4

M4 = Poor automated baseline construction.

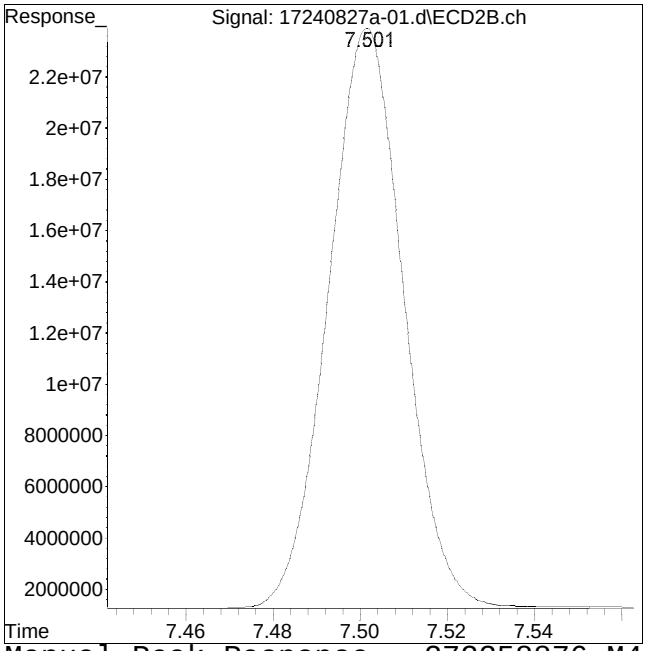
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #17: Dicamba #2



Original Peak Response = 272317097



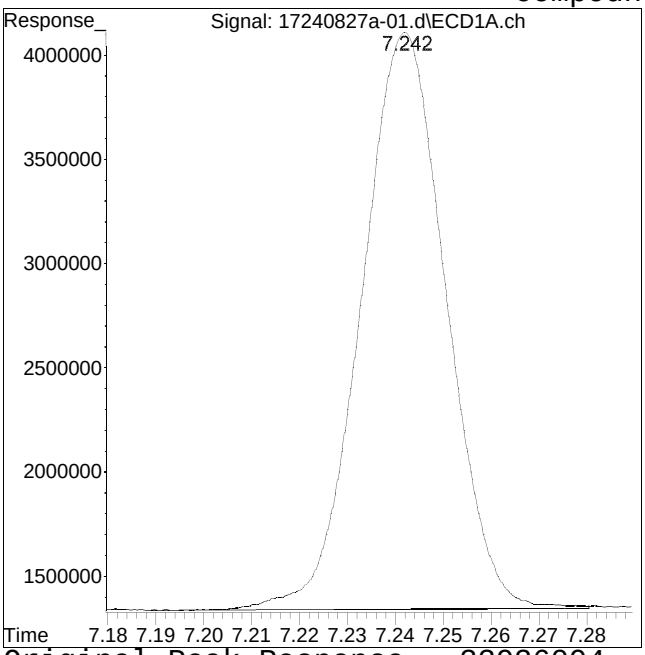
Manual Peak Response = 272358876 M4

M4 = Poor automated baseline construction.

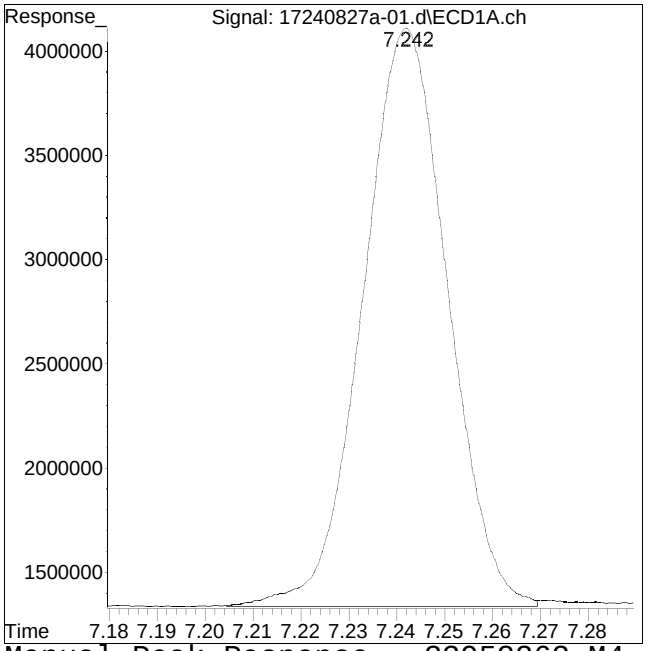
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #5: MCPP



Original Peak Response = 33936094



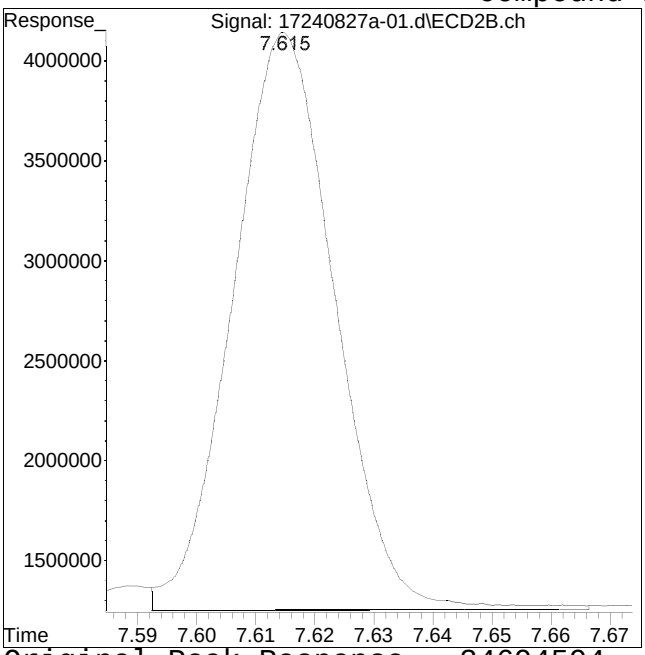
Manual Peak Response = 33953263 M4

M4 = Poor automated baseline construction.

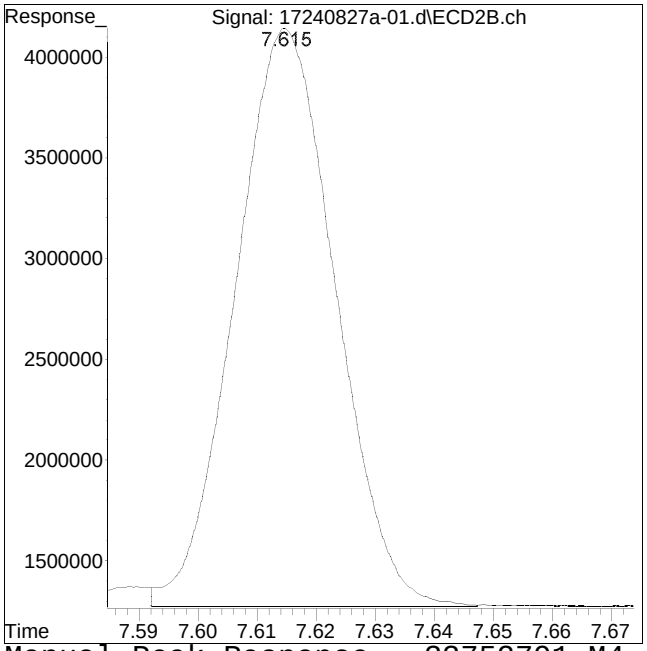
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #18: MCPP #2



Original Peak Response = 34694594



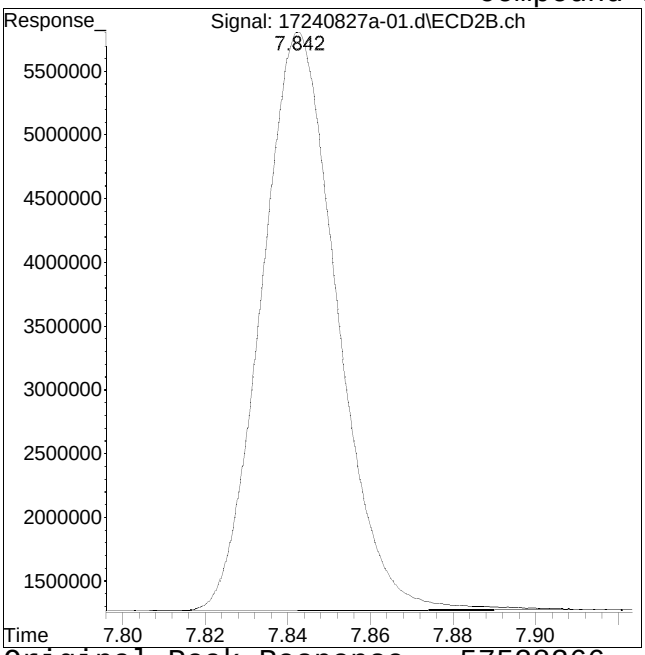
Manual Peak Response = 33752791 M4

M4 = Poor automated baseline construction.

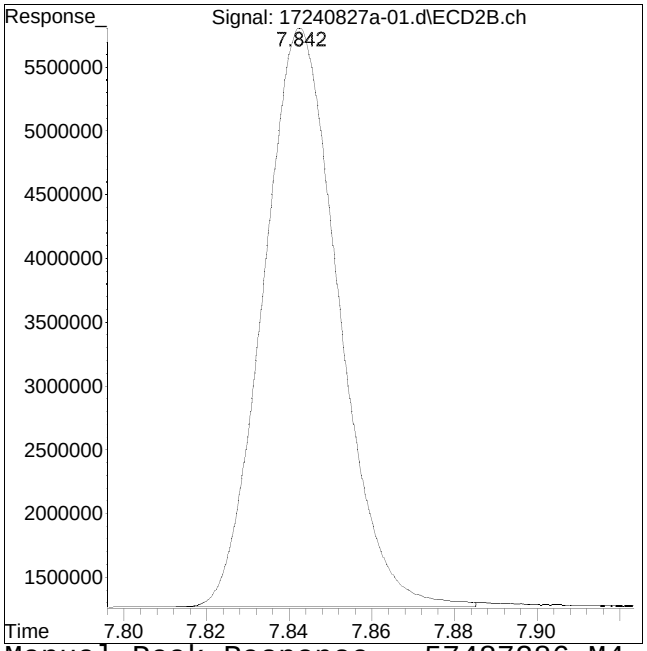
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #19: MCPA #2



Original Peak Response = 57528266



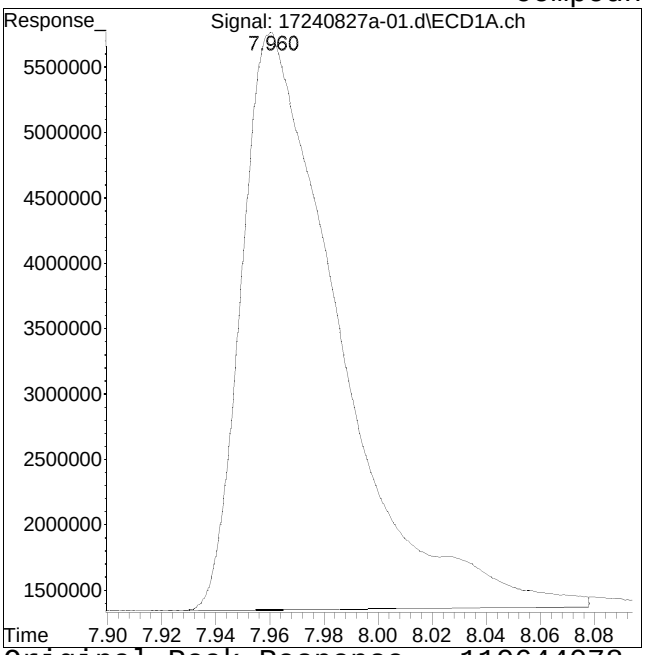
Manual Peak Response = 57487286 M4

M4 = Poor automated baseline construction.

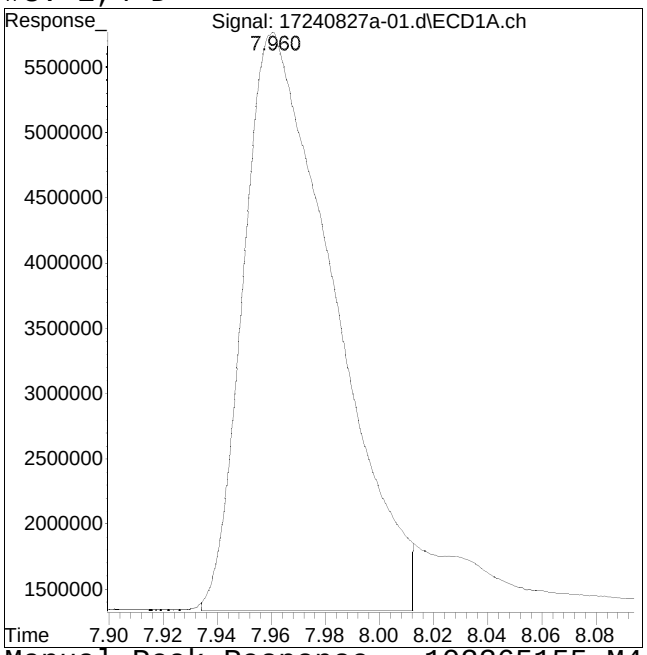
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #8: 2,4-D



Original Peak Response = 110644078



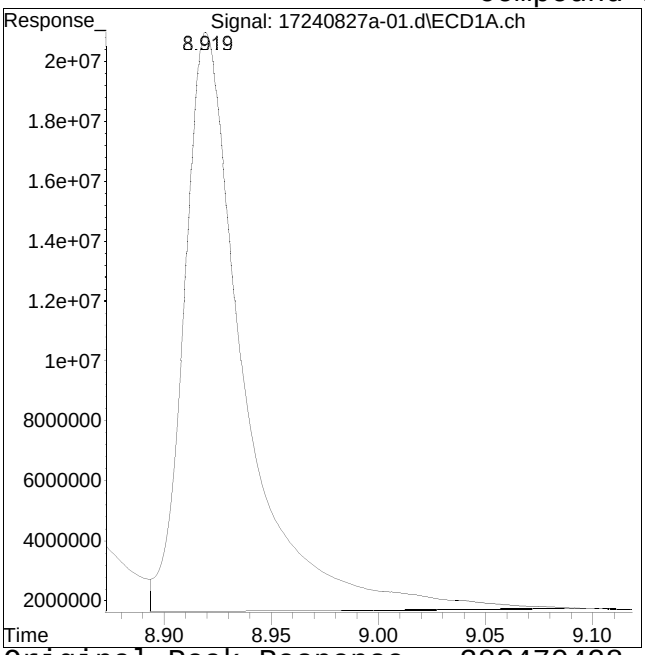
Manual Peak Response = 102365155 M4

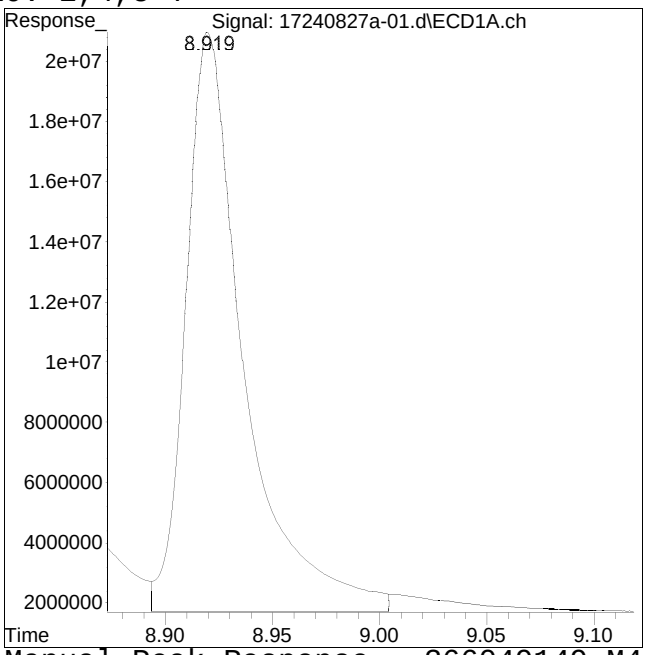
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #10: 2,4,5-T



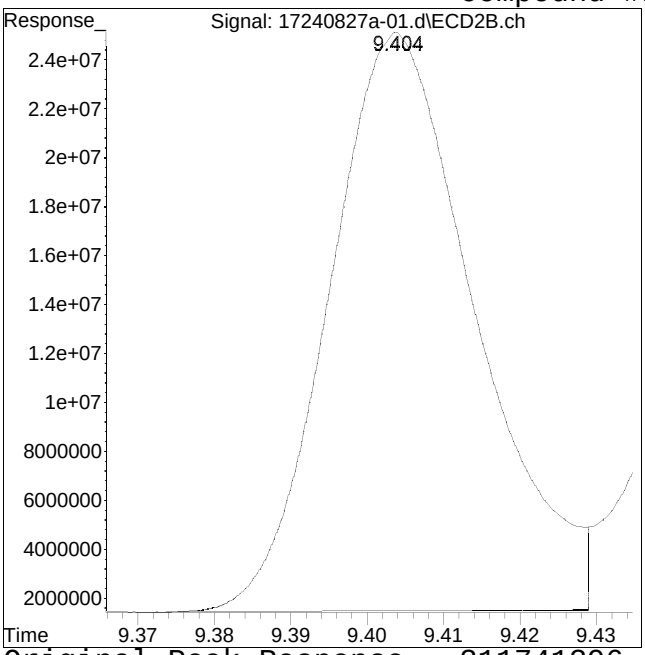


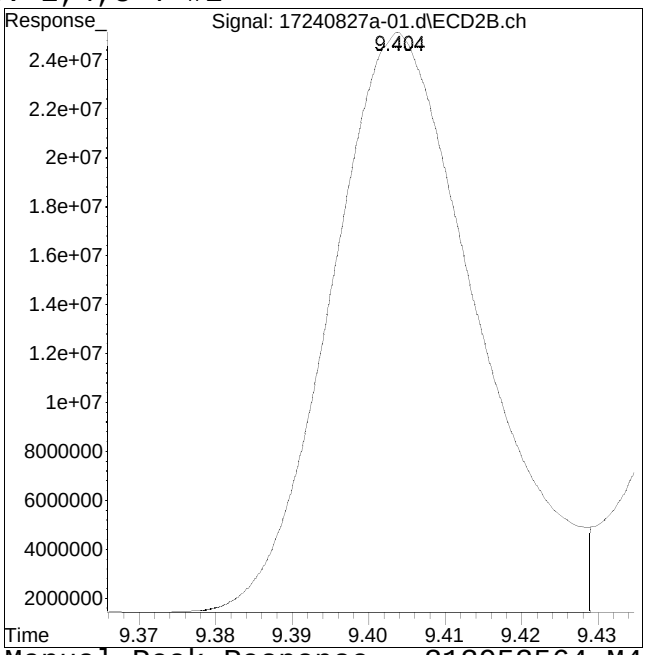
Original Peak Response = 382470428 Manual Peak Response = 366049149 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #23: 2,4,5-T #2



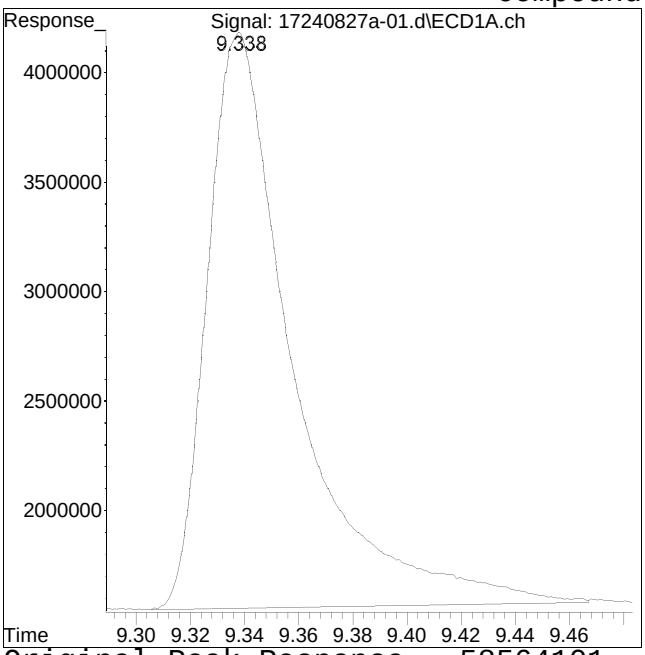


Original Peak Response = 311741396 Manual Peak Response = 313953564 M4
M4 = Poor automated baseline construction.

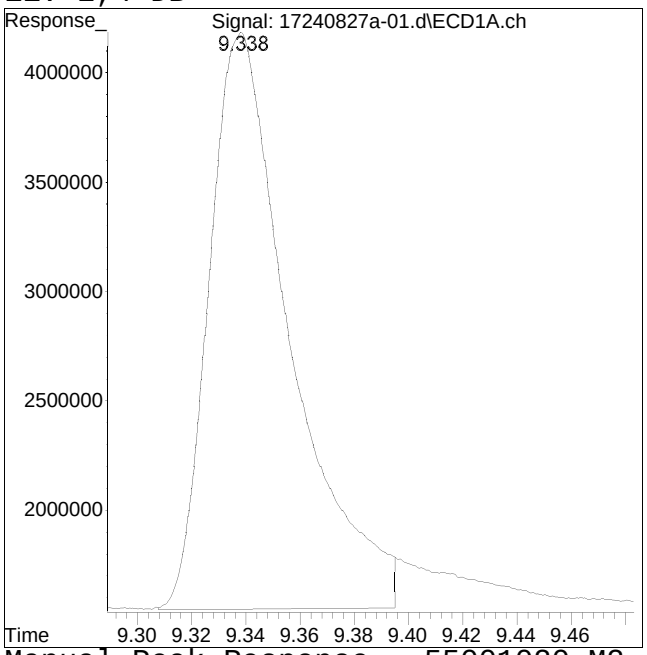
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #11: 2,4-DB



Original Peak Response = 58564101



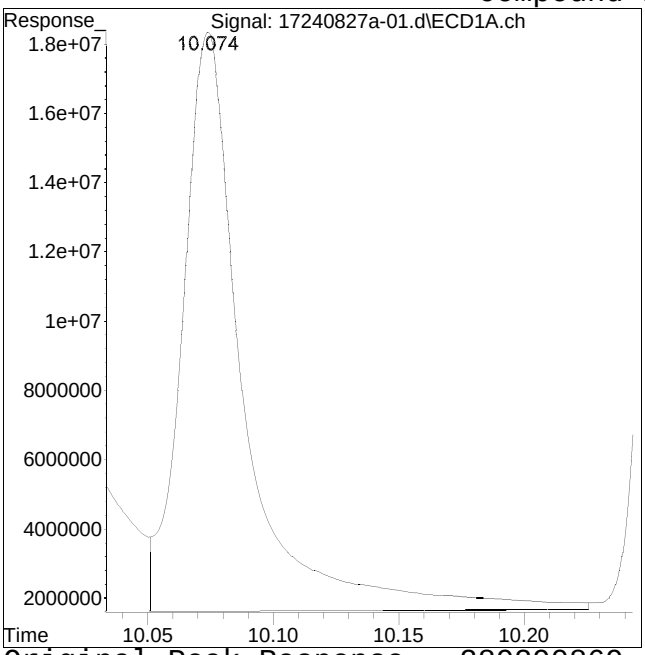
Manual Peak Response = 55001020 M2

M2 = Peak not found by automatic integration algorithm.

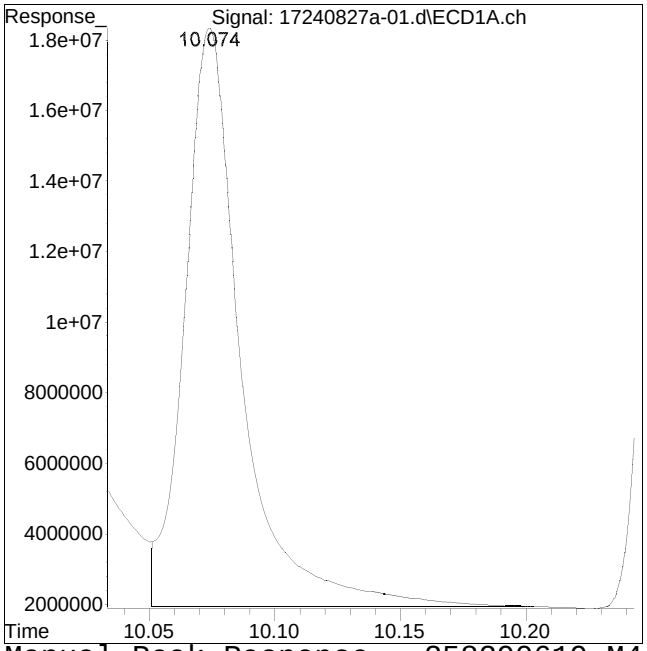
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #12: Dinoseb



Original Peak Response = 289290869



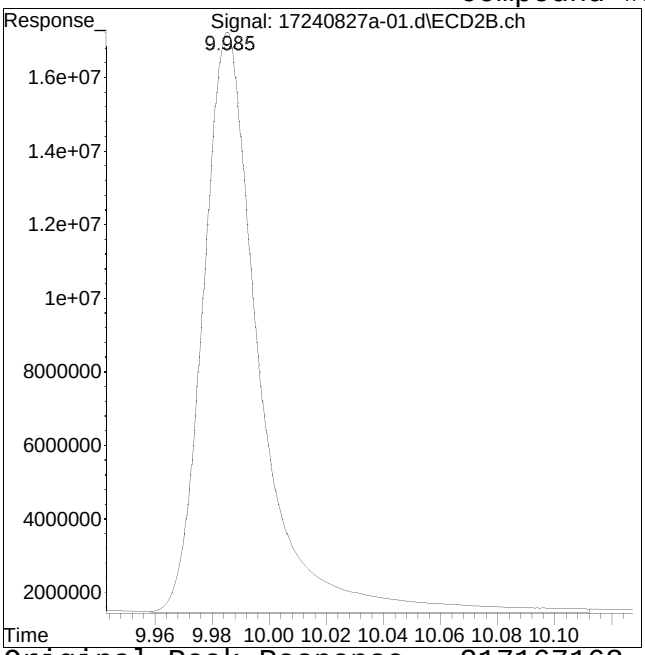
Manual Peak Response = 258290619 M4

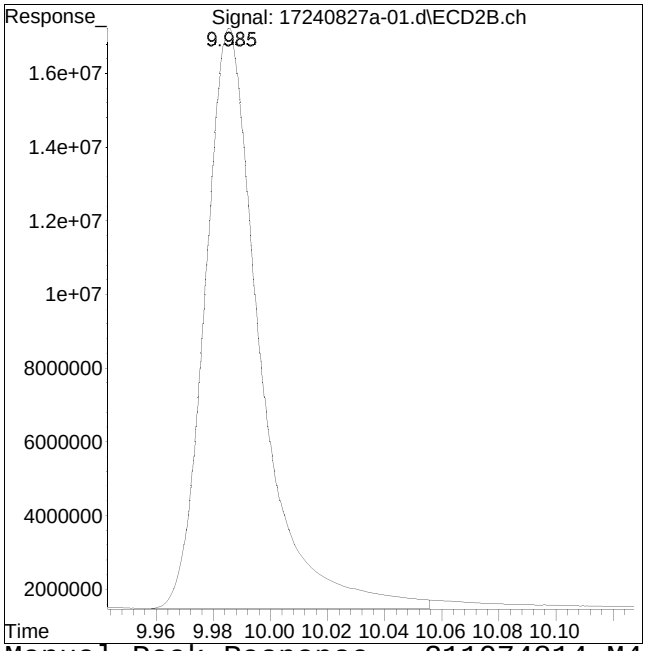
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #25: Dinoseb #2





Original Peak Response = 217167163 Manual Peak Response = 211074814 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024 12:49
Operator : PEST17:peg
Sample   : wg1964271-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 17   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:26:53 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	115	0.00
2	t	Dalapon		0.147	0.196	-33.3#	157#	0.00
3	s	DCAA (surrogate)		0.164	0.179	-9.1	125	0.00
4	t	Dicamba		0.547	0.541	1.1	116	0.00
5	t	MCPP		0.00077	0.00061	20.8#	87	0.00
6	t	MCPA	*	18.600	14.207	23.6#	89	0.00
7	t	Dichloroprop		0.153	0.172	-12.4	134	0.00
8	t	2,4-D		0.176	0.201	-14.2	136	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.736	-11.3	132	0.00
10	t	2,4,5-T		0.607	0.713	-17.5#	140	0.00
11	t	2,4-DB		0.100	0.099	1.0	117	0.00
12	t	Dinoseb		0.280	0.425	-51.8#	176#	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	105	0.00
2	t	Dalapon		0.205	0.218	-6.3	115	0.00
3	s	DCAA (surrogate)		0.204	0.199	2.5	101	0.00
4	t	Dicamba		0.597	0.572	4.2	101	0.00
5	t	MCPP		0.00074	0.00066	10.8	91	0.00
6	t	MCPA	*	18.600	17.373	6.6	93	0.00
7	t	Dichloroprop		0.189	0.184	2.6	102	0.00
8	t	2,4-D		0.230	0.216	6.1	98	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.761	7.9	96	0.00
10	t	2,4,5-T		0.791	0.678	14.3	91	0.00
11	t	2,4-DB		0.130	0.114	12.3	92	0.00
12	t	Dinoseb		0.479	0.474	1.0	105	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024 12:49
Operator : PEST17:peg
Sample   : wg1964271-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 17   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:26:53 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

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* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:49
Operator : PEST17:peg
Sample : wg1964271-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:26:53 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.400	687.7E6	654.1E6	0.250M4	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.858	7.321	92761309	97867968	0.205	0.183
	Spiked Amount	0.500	Range 30 - 150		Recovery =	41.00%	36.60%
	Target Compounds						
2) t	Dalapon	1.880	1.904	98092793	103.6E6	0.243	0.193
4) t	Dicamba	7.042	7.501	279.8E6	281.3E6	0.186	0.180M3
5) t	MCPP	7.247	7.615	31760488	32426573	14.983	16.676M4
6) t	MCPA	7.393	7.843	53712098	56944798	14.207	17.373
7) t	Dichloroprop	7.750	8.162	89072664	90577380	0.212	0.183
8) t	2,4-D	7.964	8.444	104.1E6	106.3E6	0.216M4	0.177
9) t	2,4,5-TP (Si	8.692	9.107	384.7E6	378.2E6	0.212	0.175M4
10) t	2,4,5-T	8.919	9.402	372.9E6	337.2E6	0.223M4	0.163
11) t	2,4-DB	9.334	9.768	52245745	57217145	0.190M4	0.168
12) t	Dinoseb	10.076	9.986	222.0E6	235.8E6	0.289M4	0.188

D

SemiQuant Compounds - Not Calibrated on this Instrument

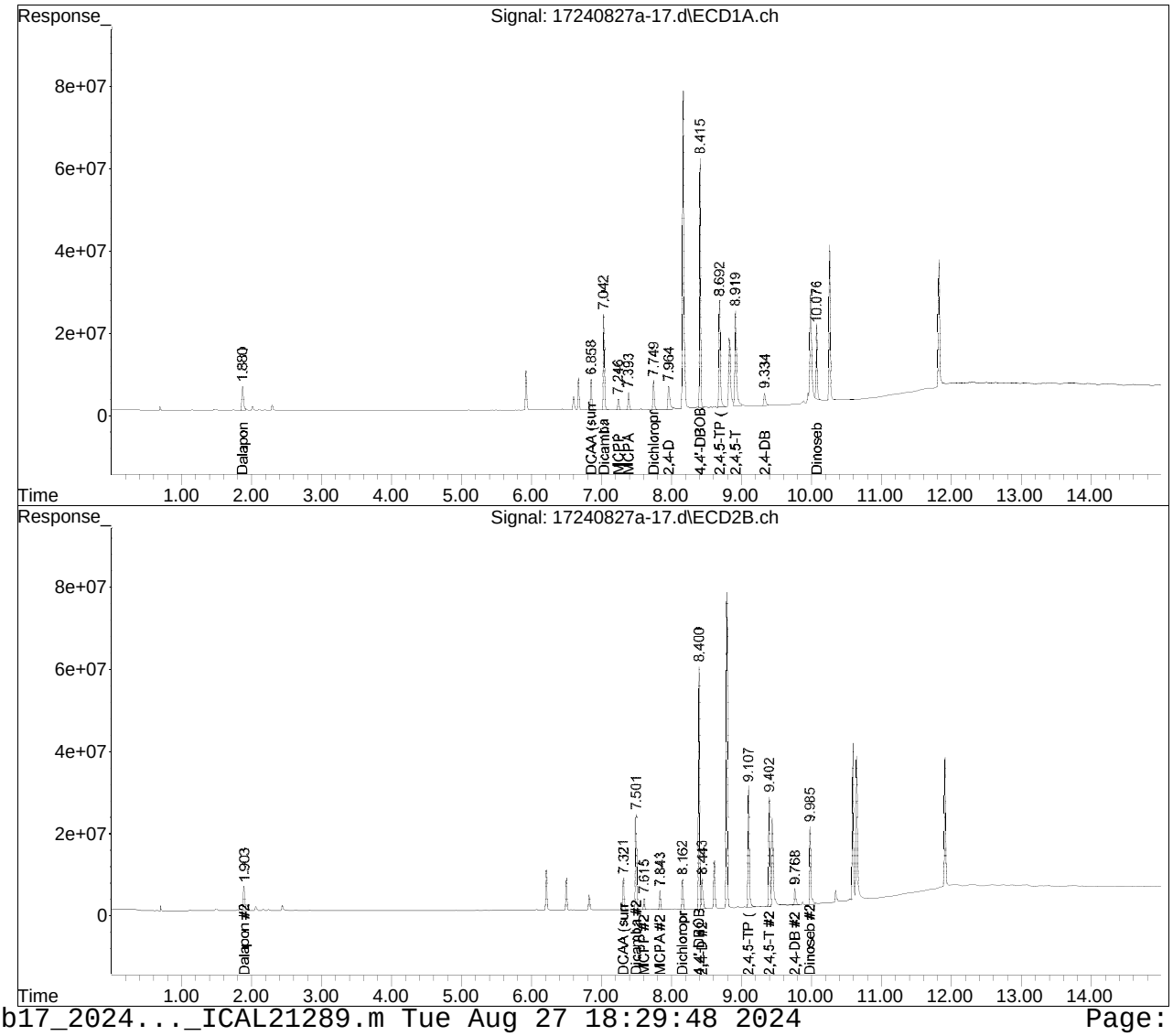
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:49
Operator : PEST17:peg
Sample : wg1964271-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:26:53 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

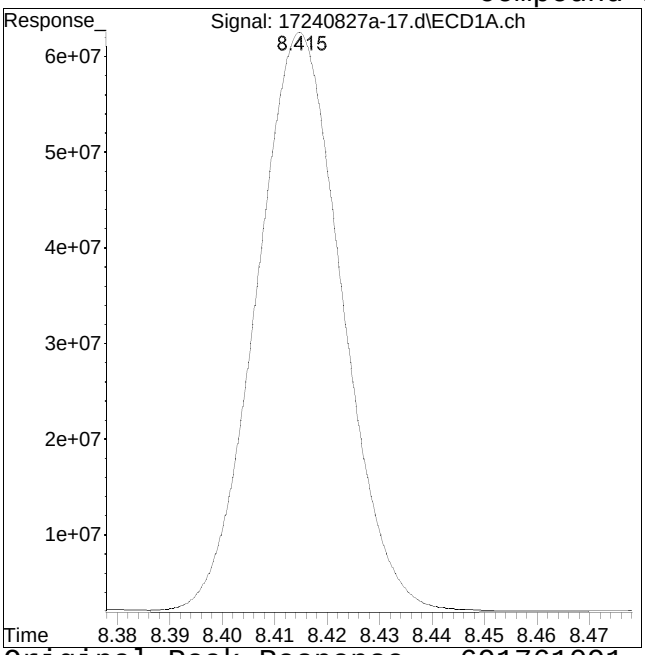
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



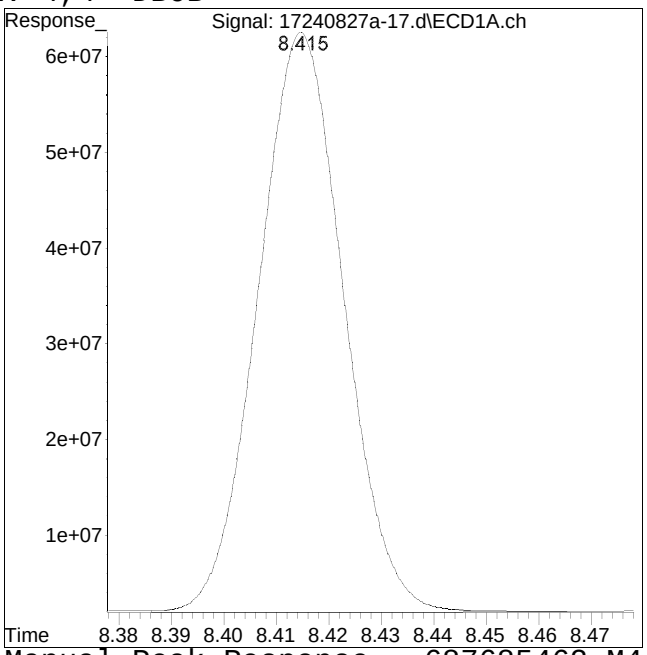
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 691761091



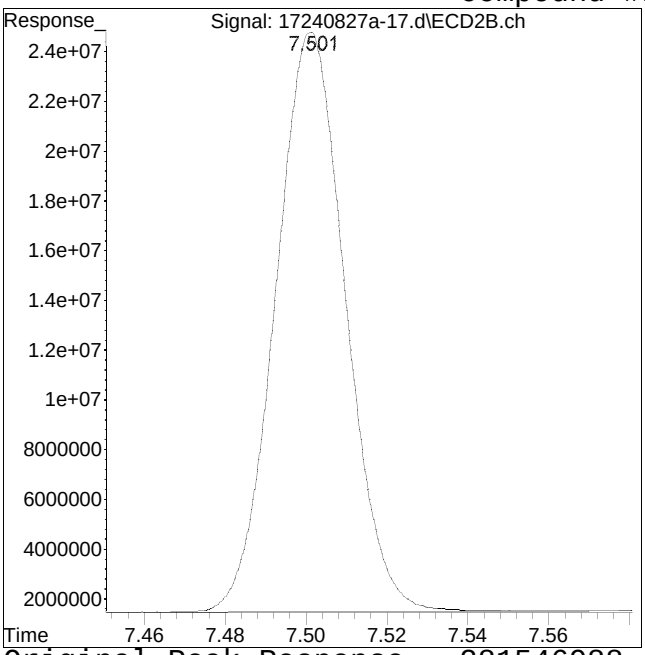
Manual Peak Response = 687685462 M4

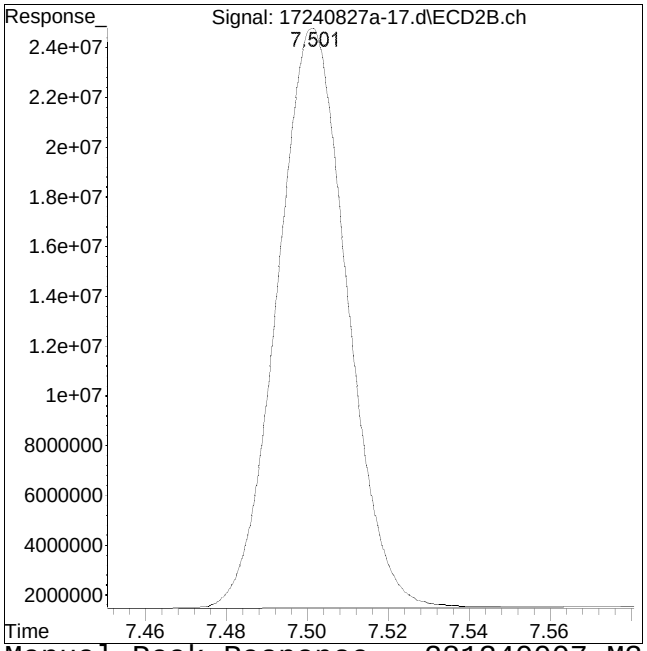
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #17: Dicamba #2



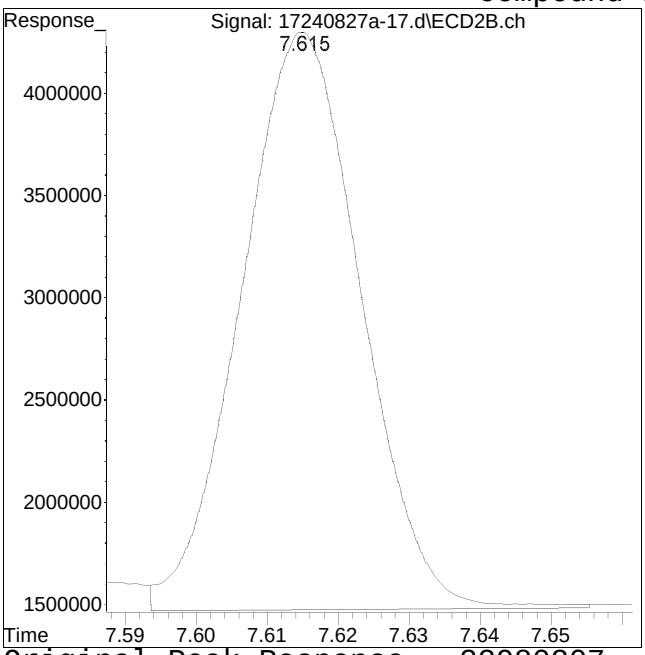


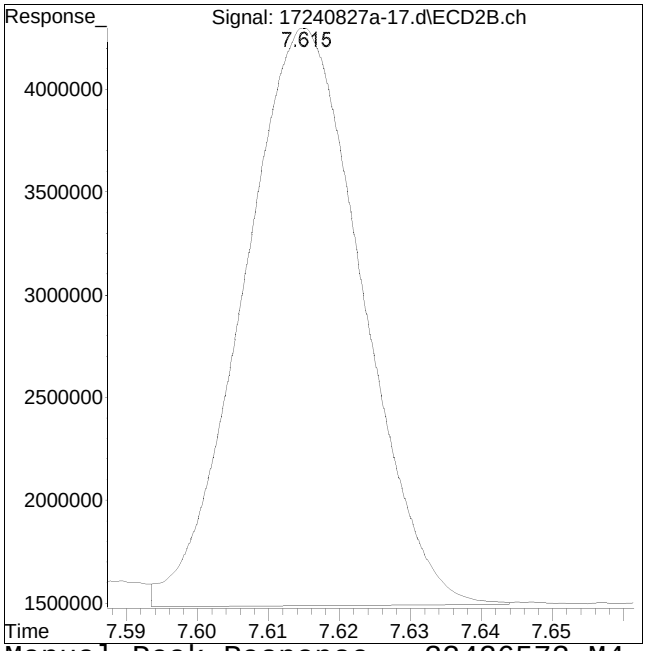
Original Peak Response = 281546988 Manual Peak Response = 281340007 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #18: MCPP #2



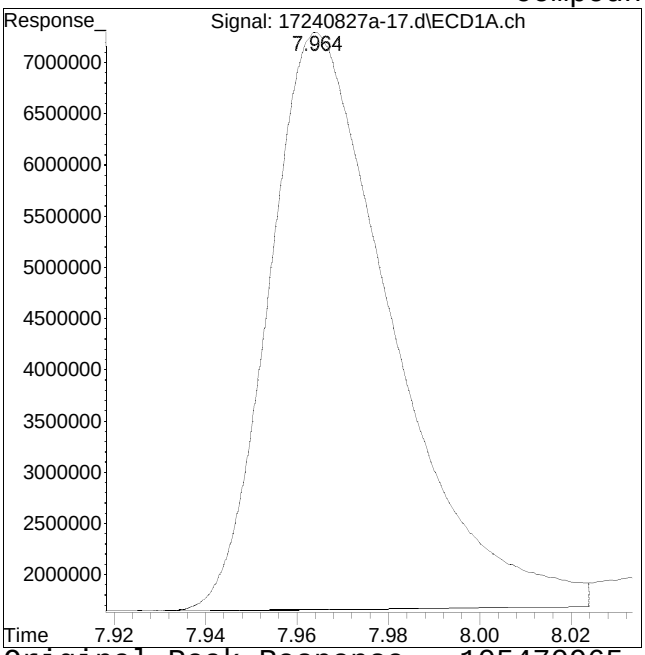


Original Peak Response = 32980207 Manual Peak Response = 32426573 M4
M4 = Poor automated baseline construction.

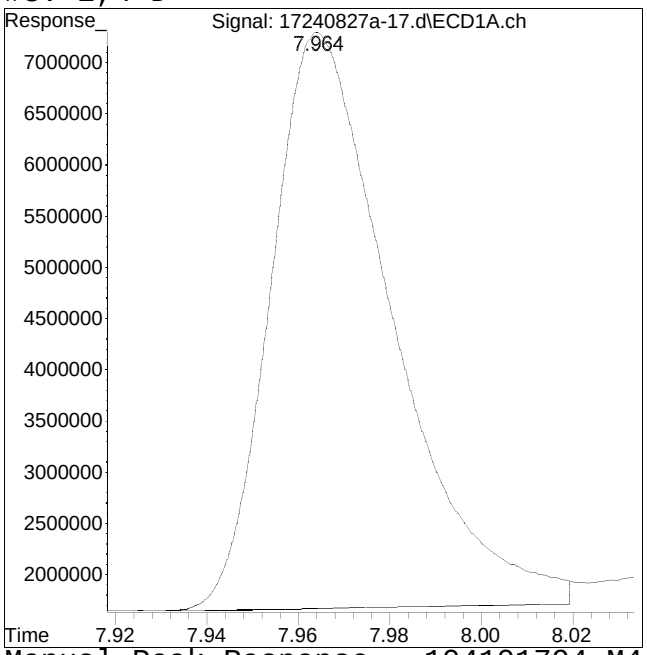
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #8: 2,4-D



Original Peak Response = 105470965



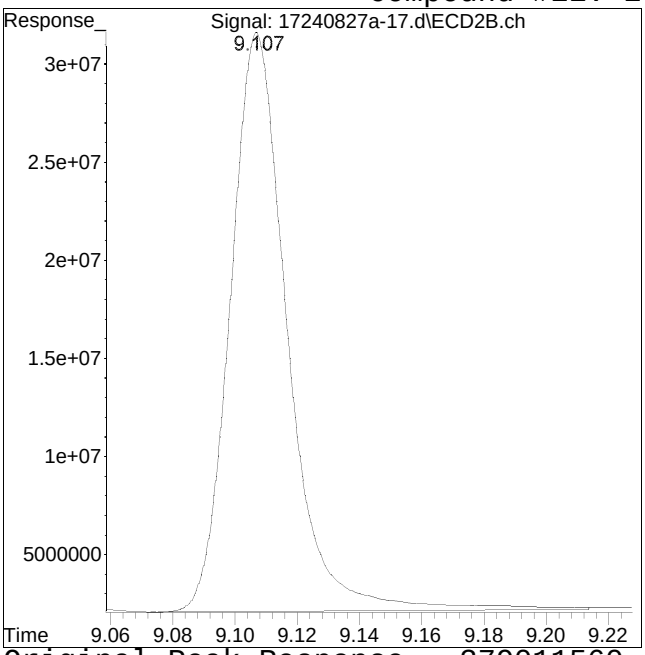
Manual Peak Response = 104101794 M4

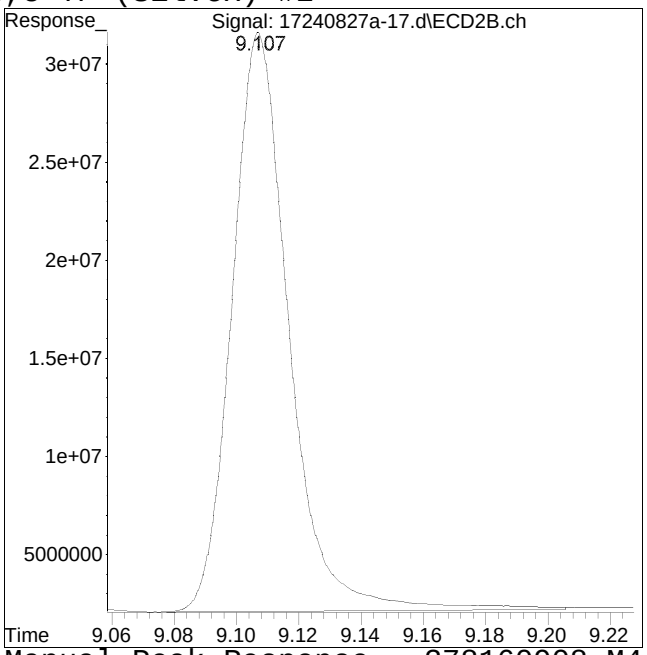
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #22: 2,4,5-TP (Silvex) #2



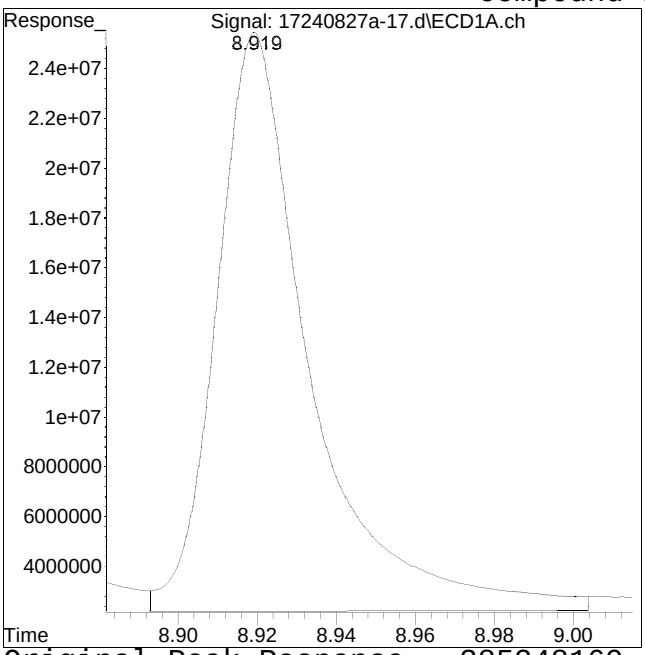


Original Peak Response = 379011560 Manual Peak Response = 378160908 M4
M4 = Poor automated baseline construction.

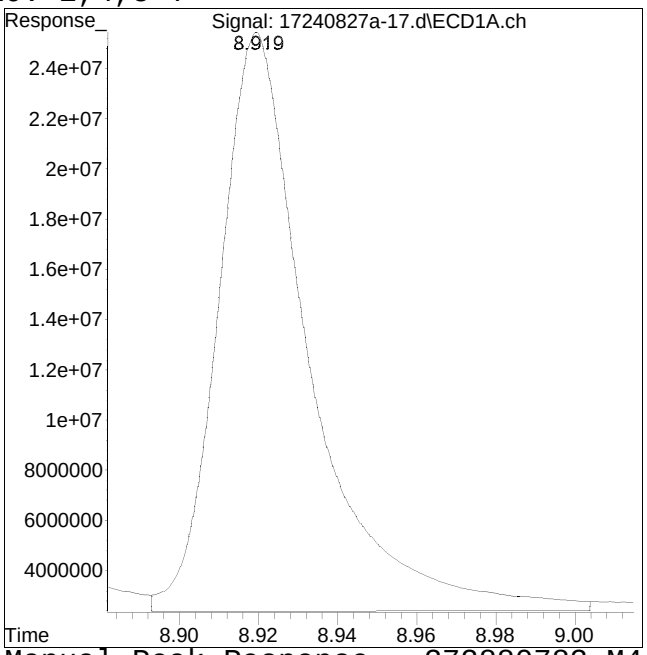
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #10: 2,4,5-T



Original Peak Response = 385248169

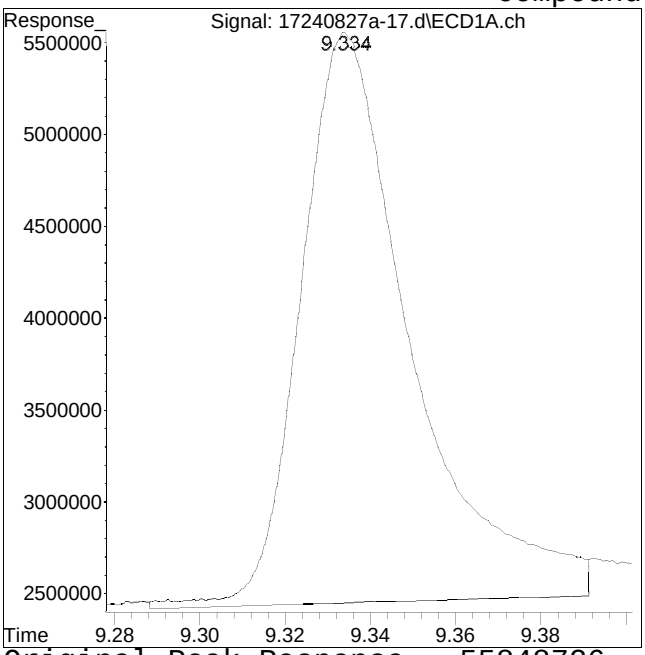


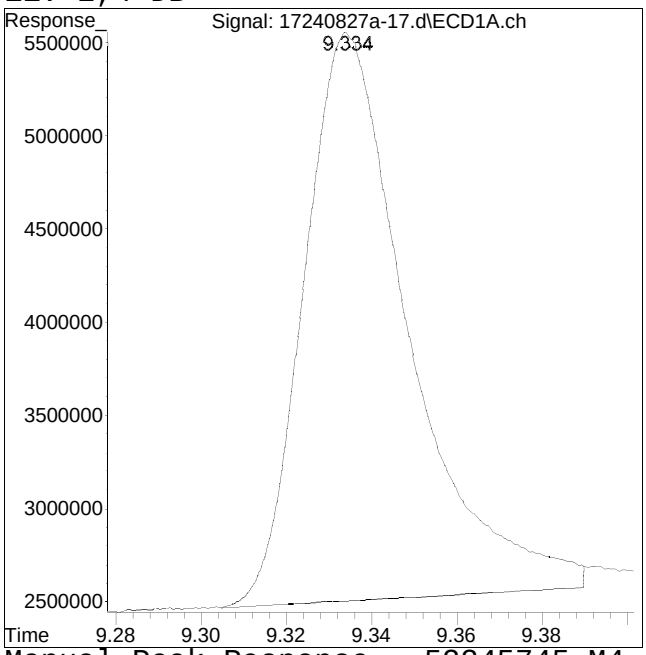
Manual Peak Response = 372880783 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #11: 2,4-DB



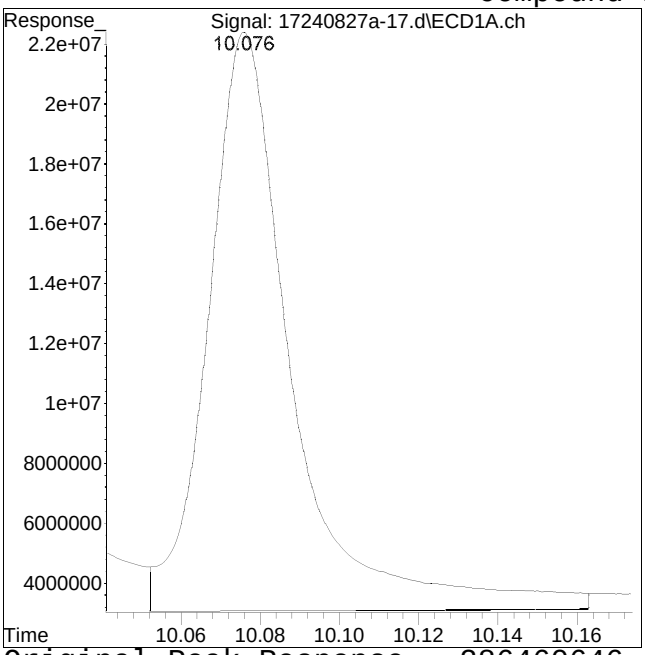


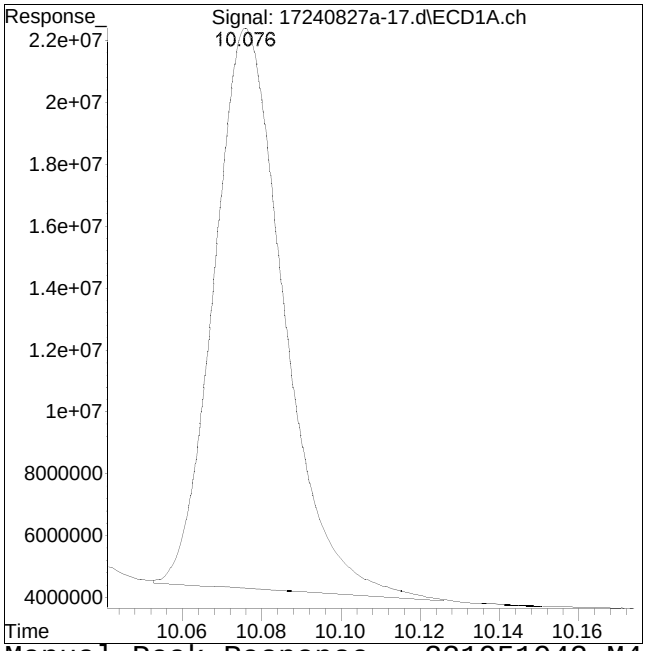
Original Peak Response = 55848726 Manual Peak Response = 52245745 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-17.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 12:49 Instrument : Pest 17
Sample : wg1964271-2,42,,herb11705 Quant Date : 8/27/2024 6:26 pm

Compound #12: Dinoseb





Original Peak Response = 286460646 Manual Peak Response = 221951942 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024   6:33
Operator : PEST17:peg
Sample   : wg1964814-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964814,,ical21289 (Sig #1); wg1964814,WG1964750,ical21289 (Sig #2)
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 07:11:35 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	111	0.00
2	t	Dalapon		0.147	0.198	-34.7#	153#	0.00
3	s	DCAA (surrogate)		0.164	0.178	-8.5	120	0.00
4	t	Dicamba		0.547	0.533	2.6	110	0.00
5	t	MCPP		0.00077	0.00065	15.6#	89	0.00
6	t	MCPA	*	18.600	14.958	19.6#	89	0.00
7	t	Dichloroprop		0.153	0.174	-13.7	130	0.00
8	t	2,4-D		0.176	0.080	54.5#	52	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.714	-8.0	123	0.00
10	t	2,4,5-T		0.607	0.763	-25.7#	144	0.00
11	t	2,4-DB		0.100	0.112	-12.0	128	0.00
12	t	Dinoseb		0.280	0.580	-107.1#	232#	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	100	0.00
2	t	Dalapon		0.205	0.208	-1.5	105	0.00
3	s	DCAA (surrogate)		0.204	0.197	3.4	96	0.00
4	t	Dicamba		0.597	0.560	6.2	94	0.00
5	t	MCPP		0.00074	0.00069	6.8	91	0.00
6	t	MCPA	*	18.600	18.306	1.6	93	0.00
7	t	Dichloroprop		0.189	0.187	1.1	99	0.00
8	t	2,4-D		0.230	0.218	5.2	95	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.746	9.7	90	0.00
10	t	2,4,5-T		0.791	0.615	22.3#	79	0.00
11	t	2,4-DB		0.130	0.114	12.3	89	0.00
12	t	Dinoseb		0.479	0.416	13.2	88	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024   6:33
Operator : PEST17:peg
Sample   : wg1964814-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964814,,ical21289 (Sig #1); wg1964814,WG1964750,ical21289 (Sig #2)
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 07:11:35 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 6:33
Operator : PEST17:peg
Sample : wg1964814-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964814,,ical21289 (Sig #1); wg1964814,WG1964750,ical21289 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 07:11:35 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
	Internal Standards							
1) i	4,4'-DBOB	8.413	8.400	663.4E6	625.2E6	0.250M4	0.250	
	System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.322	88792285	92608103	0.204	0.181	
	Spiked Amount	0.500	Range 30 - 150		Recovery =	40.80%	36.20%	
	Target Compounds							
2) t	Dalapon	1.882	1.905	95464203	94473150	0.245M4	0.184M3	
4) t	Dicamba	7.041	7.502	265.7E6	263.2E6	0.183	0.176	
5) t	MCPP	7.245	7.615	32567212	32431497	15.926	17.450M4	
6) t	MCPA	7.392	7.843	53692182	56772811	14.958	18.306	
7) t	Dichloroprop	7.749	8.163	86680086	87924270	0.214	0.186	
8) t	2,4-D	7.966	8.449	40048403	102.6E6	0.086	0.179	D
9) t	2,4,5-TP (Si	8.702	9.114	359.9E6	354.4E6	0.205	0.172	
10) t	2,4,5-T	8.931	9.410	384.8E6	292.3E6	0.239	0.148	D
11) t	2,4-DB	9.350	9.778	56978282	54844789	0.215	0.168	
12) t	Dinoseb	10.079	9.989	292.5E6	197.6E6	0.394	0.165	D
	SemiQuant Compounds - Not Calibrated on this Instrument							

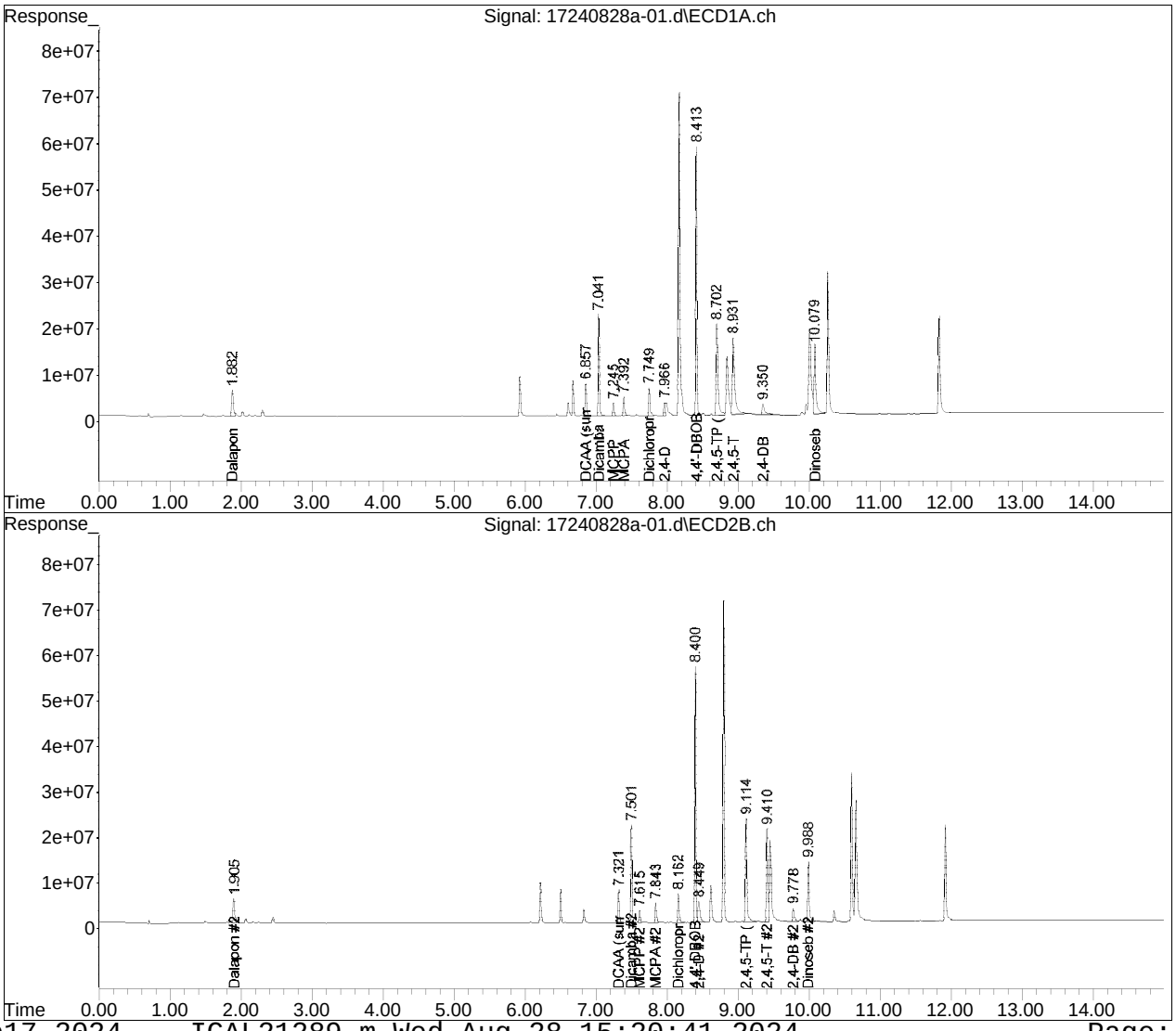
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 6:33
Operator : PEST17:peg
Sample : wg1964814-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964814,,ical21289 (Sig #1); wg1964814,WG1964750,ical21289 (Sig
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 07:11:35 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:28 2024
Response via : Initial Calibration
Integrator: ChemStation

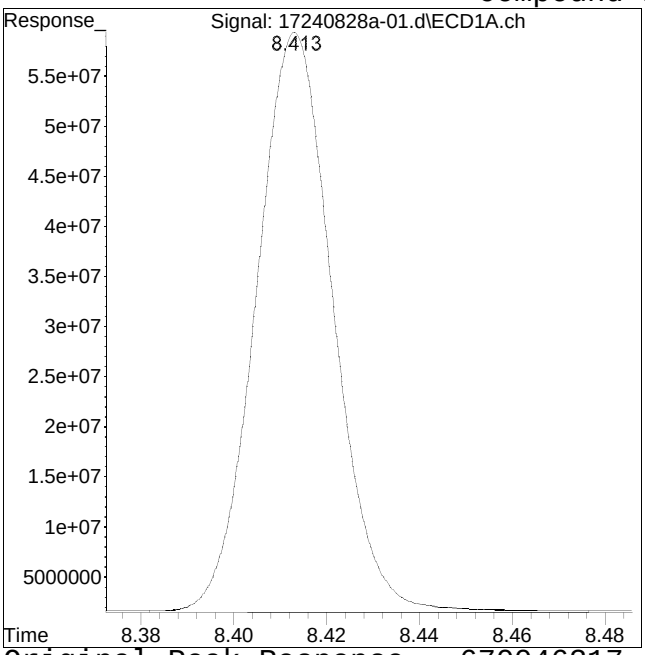
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

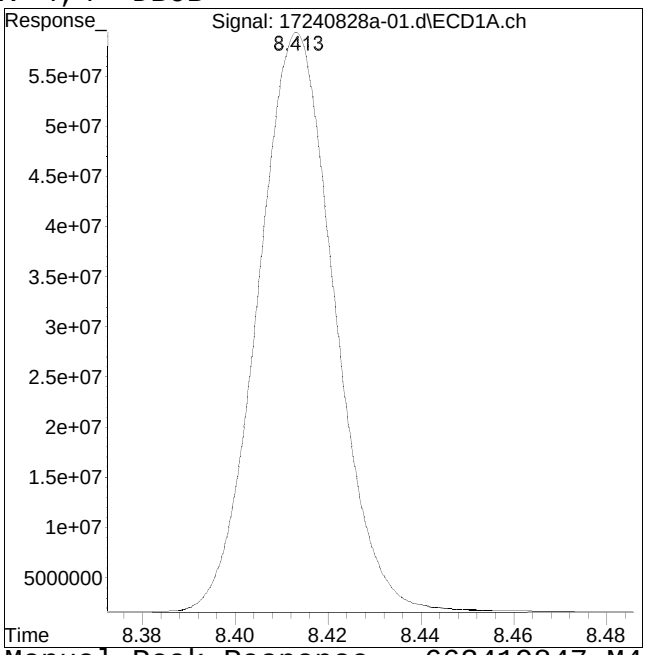


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-01.d Operator : PEST17:peg
Date Inj'd : 8/28/2024 6:33 Instrument : Pest 17
Sample : wg1964814-1,42,,herb11705 Quant Date : 8/28/2024 7:11 am

Compound #1: 4,4'-DBOB



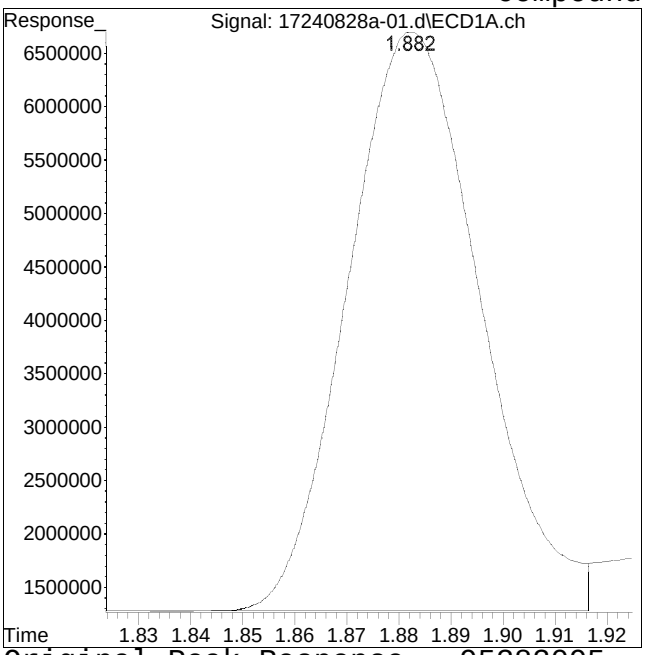


Original Peak Response = 670046317 Manual Peak Response = 663419847 M4
M4 = Poor automated baseline construction.

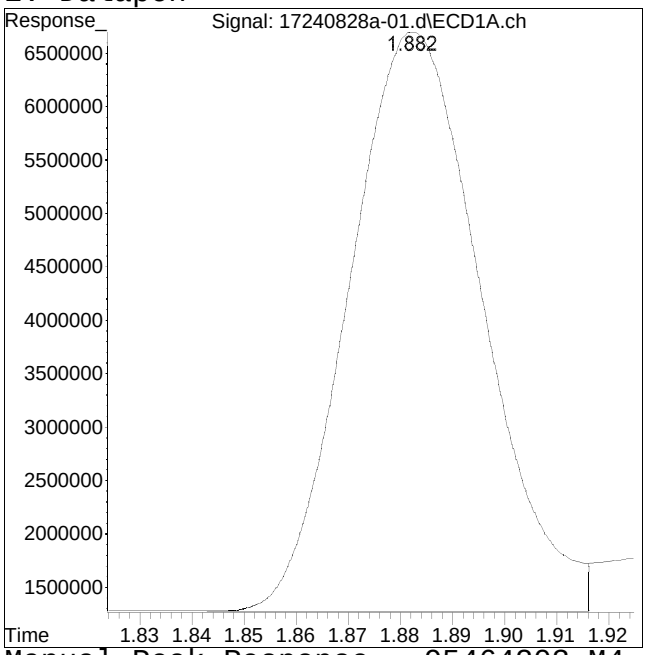
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-01.d Operator : PEST17:peg
Date Inj'd : 8/28/2024 6:33 Instrument : Pest 17
Sample : wg1964814-1,42,,herb11705 Quant Date : 8/28/2024 7:11 am

Compound #2: Dalapon



Original Peak Response = 95383095



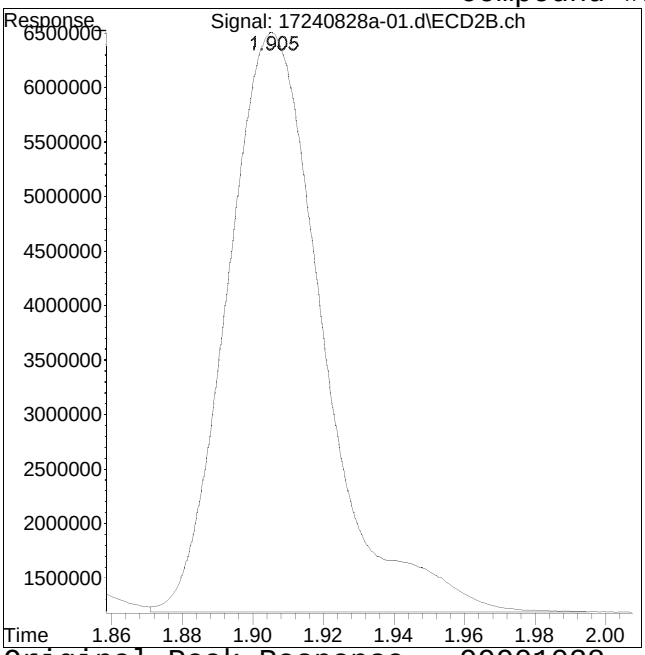
Manual Peak Response = 95464203 M4

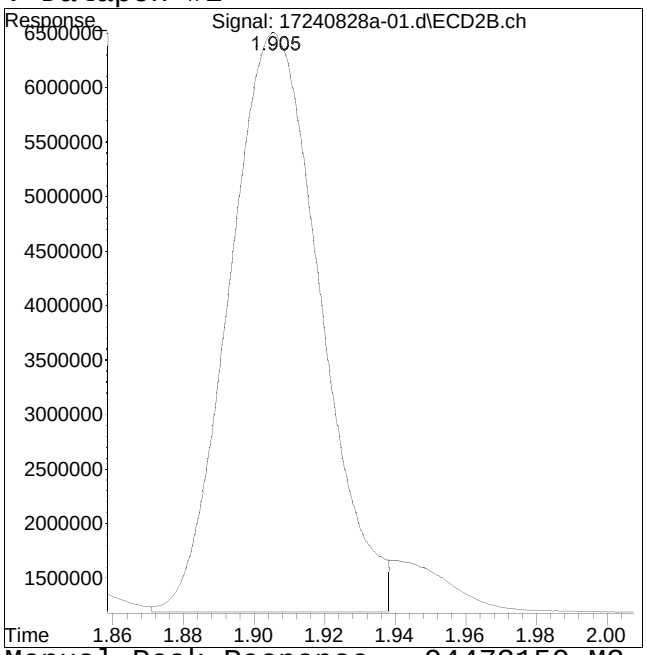
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-01.d Operator : PEST17:peg
Date Inj'd : 8/28/2024 6:33 Instrument : Pest 17
Sample : wg1964814-1,42,,herb11705 Quant Date : 8/28/2024 7:11 am

Compound #15: Dalapon #2



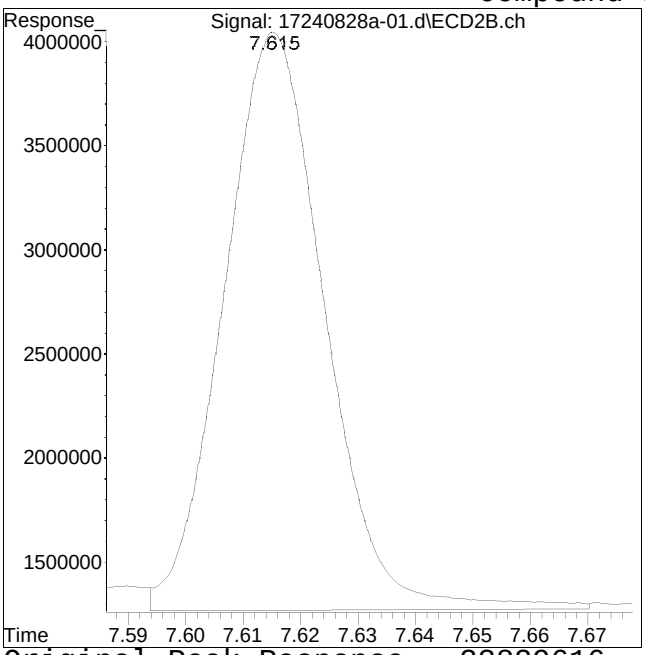


Original Peak Response = 99901038 Manual Peak Response = 94473150 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

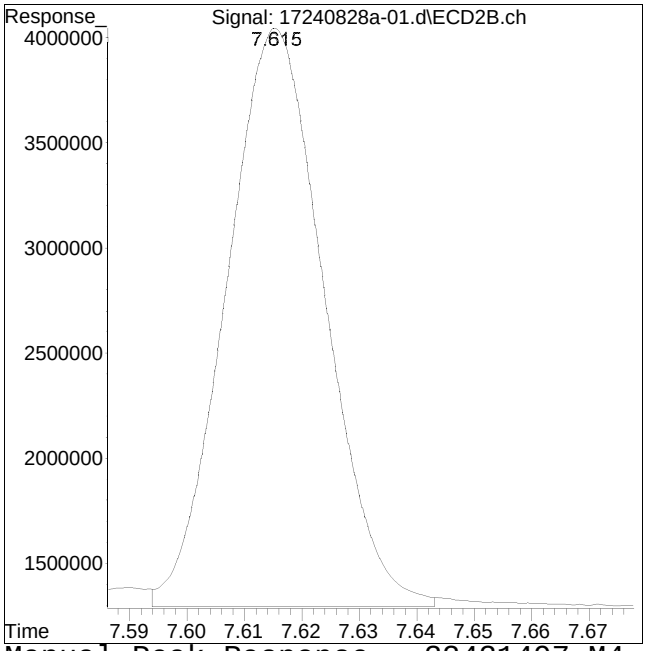
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-01.d Operator : PEST17:peg
Date Inj'd : 8/28/2024 6:33 Instrument : Pest 17
Sample : wg1964814-1,42,,herb11705 Quant Date : 8/28/2024 7:11 am

Compound #18: MCPP #2



Original Peak Response = 33829616



Manual Peak Response = 32431497 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024   3:48 pm
Operator : PEST17:mmg
Sample   : wg1964814-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964814,,ical21289
ALS Vial : 18   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 17:53:55 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	115	0.00
2	t	Dalapon		0.147	0.211	-43.5#	168#	0.00
3	s	DCAA (surrogate)		0.164	0.177	-7.9	123	0.00
4	t	Dicamba		0.547	0.537	1.8	115	0.00
5	t	MCPP		0.00077	0.00060	22.1#	85	0.00
6	t	MCPA	*	18.600	14.207	23.6#	89	0.00
7	t	Dichloroprop		0.153	0.169	-10.5	131	0.00
8	t	2,4-D		0.176	0.201	-14.2	136	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.714	-8.0	127	0.00
10	t	2,4,5-T		0.607	0.713	-17.5#	139	0.00
11	t	2,4-DB		0.100	0.102	-2.0	120	0.00
12	t	Dinoseb		0.280	0.515	-83.9#	213#	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	106	0.00
2	t	Dalapon		0.205	0.220	-7.3	117	0.00
3	s	DCAA (surrogate)		0.204	0.196	3.9	100	0.00
4	t	Dicamba		0.597	0.566	5.2	100	0.00
5	t	MCPP		0.00074	0.00066	10.8	92	0.00
6	t	MCPA	*	18.600	17.019	8.5	92	0.00
7	t	Dichloroprop		0.189	0.182	3.7	101	0.00
8	t	2,4-D		0.230	0.227	1.3	104	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.751	9.1	95	0.00
10	t	2,4,5-T		0.791	0.657	16.9#	88	0.00
11	t	2,4-DB		0.130	0.108	16.9#	88	0.00
12	t	Dinoseb		0.479	0.462	3.5	103	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024   3:48 pm
Operator : PEST17:mmg
Sample   : wg1964814-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964814,,ical21289
ALS Vial : 18   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 17:53:55 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 17:53:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 3:48 pm
Operator : PEST17:mmg
Sample : wg1964814-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964814,,ical21289
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 16:44:40 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.414	8.399	685.5E6	657.3E6	0.250M4	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.858	7.320	91392994	97118504	0.203	0.181
	Spiked Amount	0.500	Range 30 - 150		Recovery =	40.60%	36.20%
	Target Compounds						
2) t	Dalapon	1.886	1.910	105.2E6	105.5E6	0.261M3	0.196M3
4) t	Dicamba	7.042	7.500	277.0E6	279.6E6	0.185	0.178
5) t	MCPP	7.245	7.614	31181319	32760939	14.757M4	16.767
6) t	MCPA	7.393	7.842	53541647	56280804	14.207	17.019
7) t	Dichloroprop	7.749	8.161	87172904	89940160	0.208	0.181
8) t	2,4-D	7.964	8.442	103.6E6	112.0E6	0.215	0.185
9) t	2,4,5-TP (Si	8.692	9.107	372.2E6	375.0E6	0.205	0.173
10) t	2,4,5-T	8.918	9.402	371.4E6	328.2E6	0.223M3	0.158
11) t	2,4-DB	9.333f	9.767	53554083	54396327	0.196	0.159M4
12) t	Dinoseb	10.077	9.985	268.2E6	230.6E6	0.350	0.183M4
D							
	SemiQuant Compounds - Not Calibrated on this Instrument						

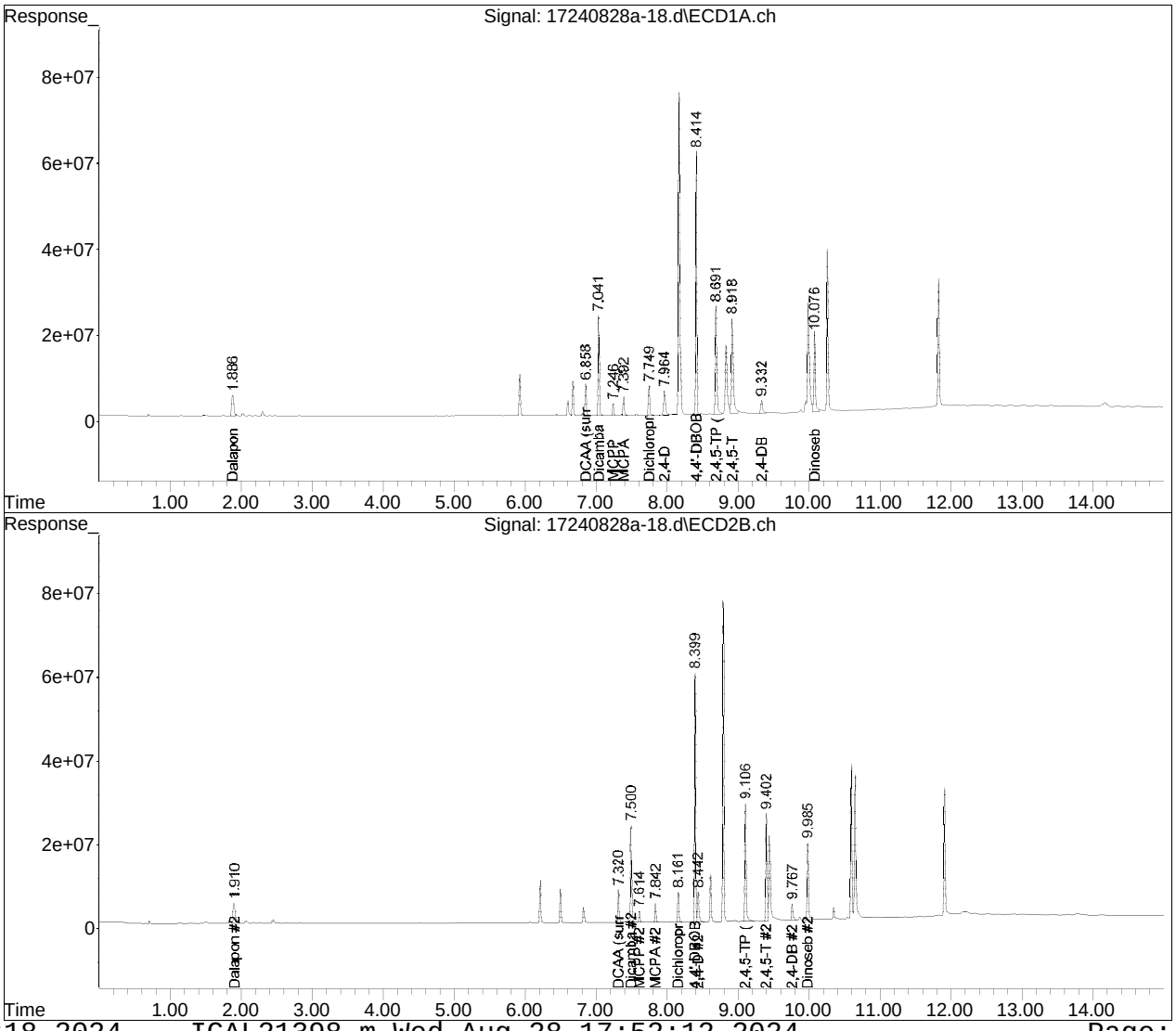
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 3:48 pm
Operator : PEST17:mmg
Sample : wg1964814-2,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964814,,ical21289
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 16:44:40 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

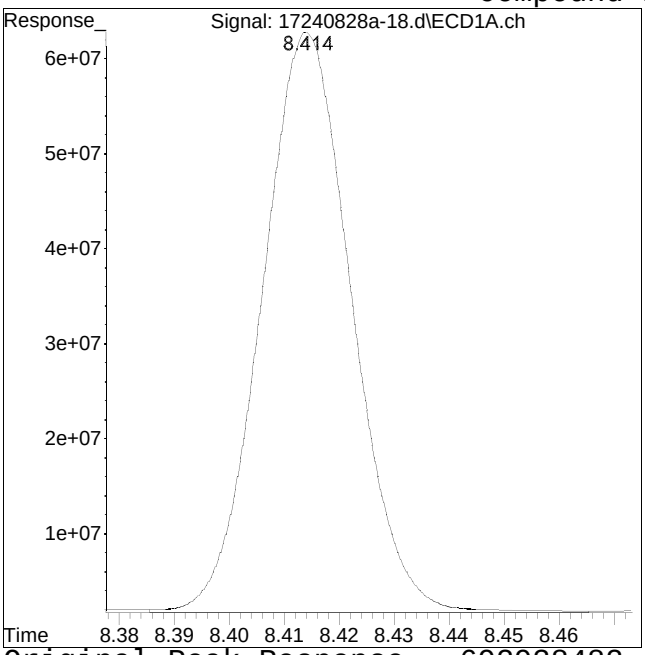
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

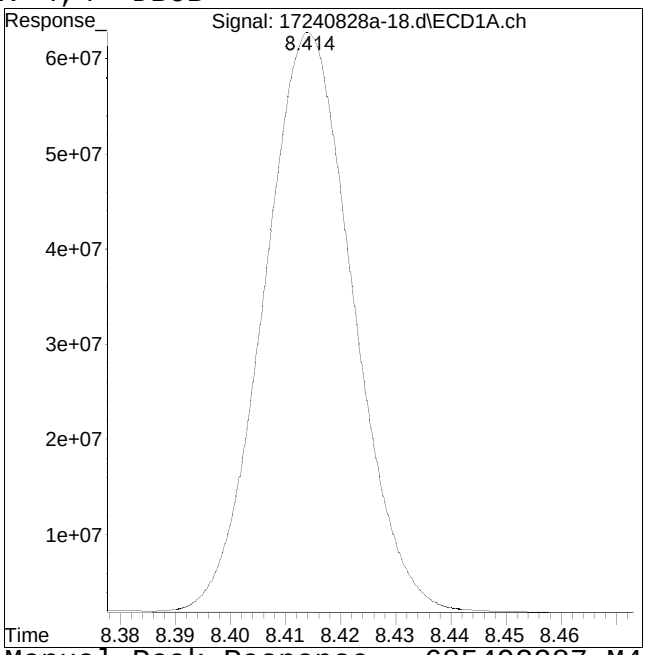


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #1: 4,4'-DBOB



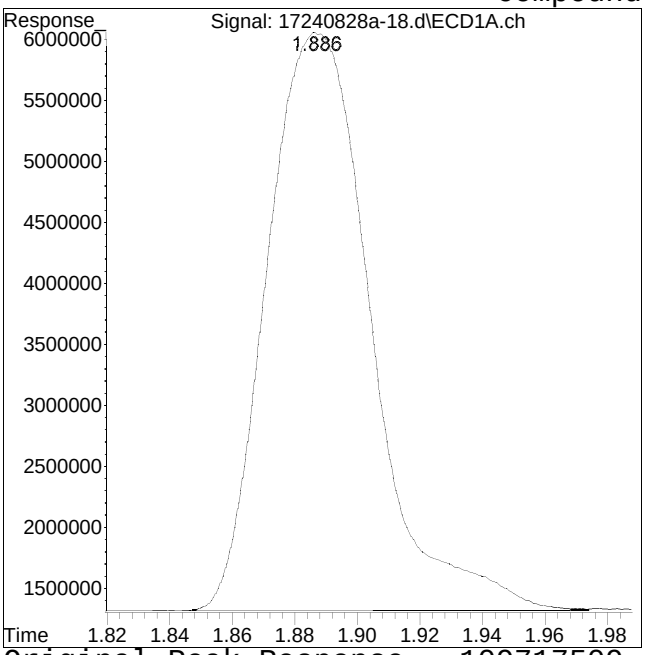


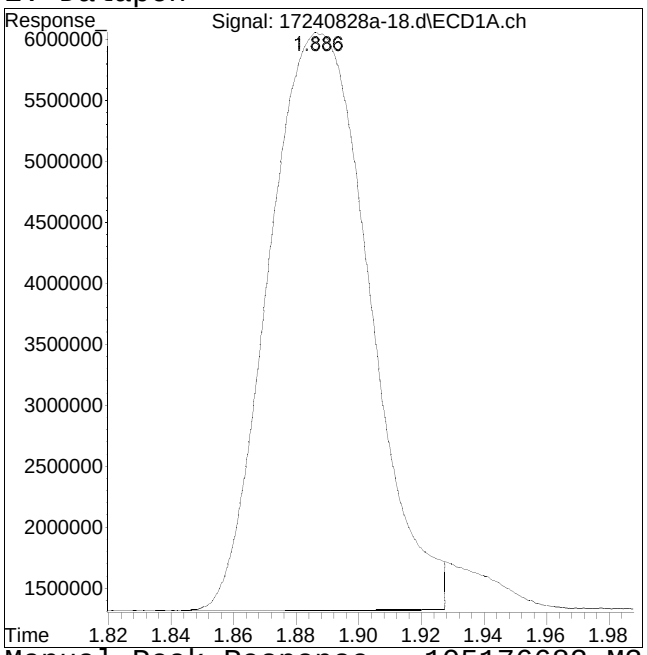
Original Peak Response = 692938482 Manual Peak Response = 685492287 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #2: Dalapon



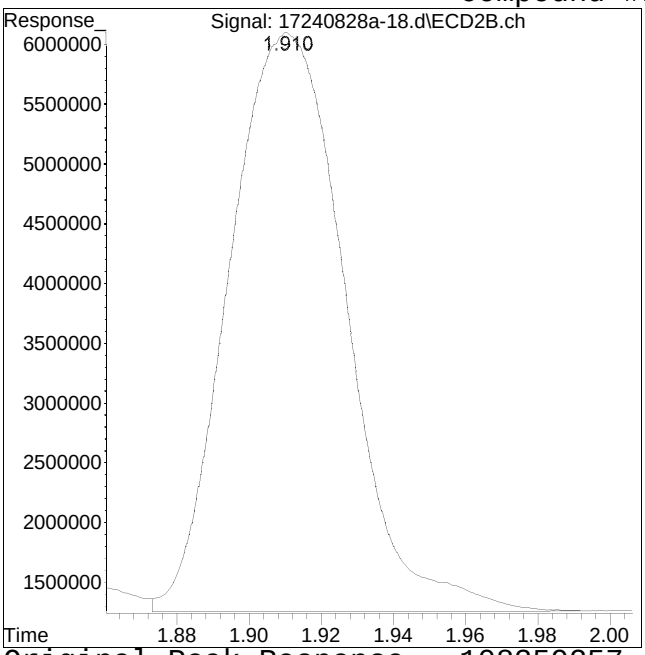


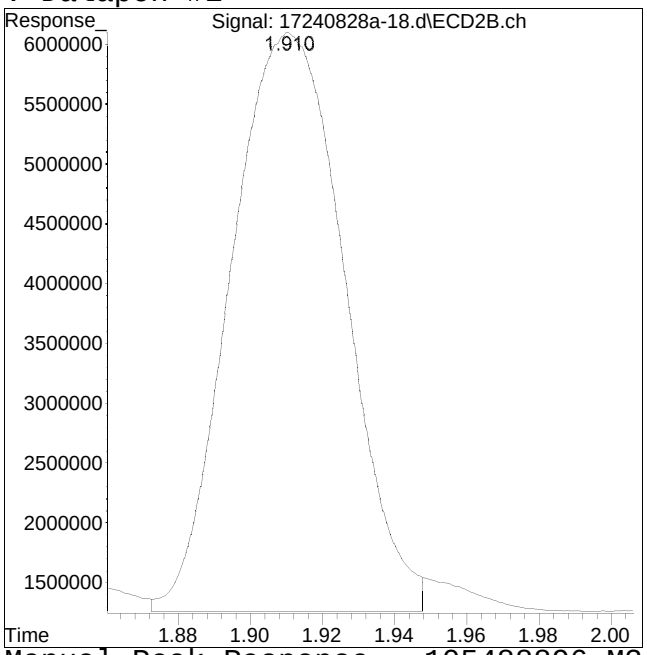
Original Peak Response = 109717509 Manual Peak Response = 105176682 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #15: Dalapon #2



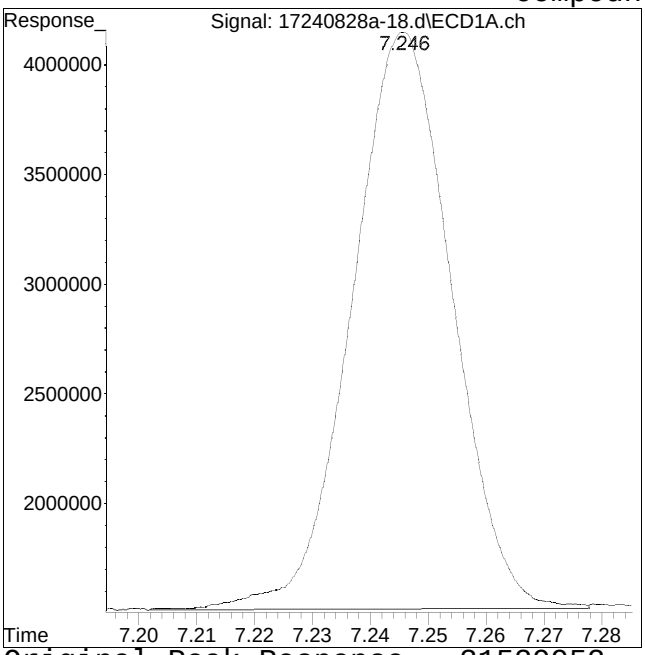


Original Peak Response = 108359257 Manual Peak Response = 105488896 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

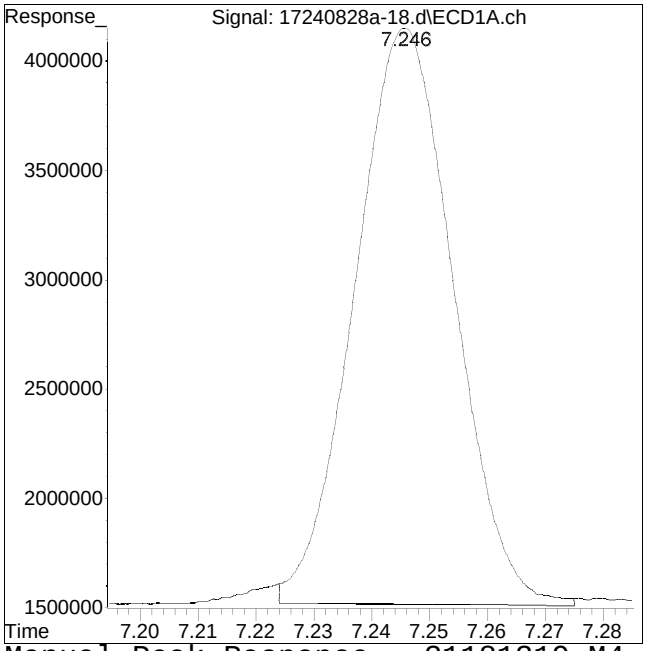
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #5: MCPP



Original Peak Response = 31529952



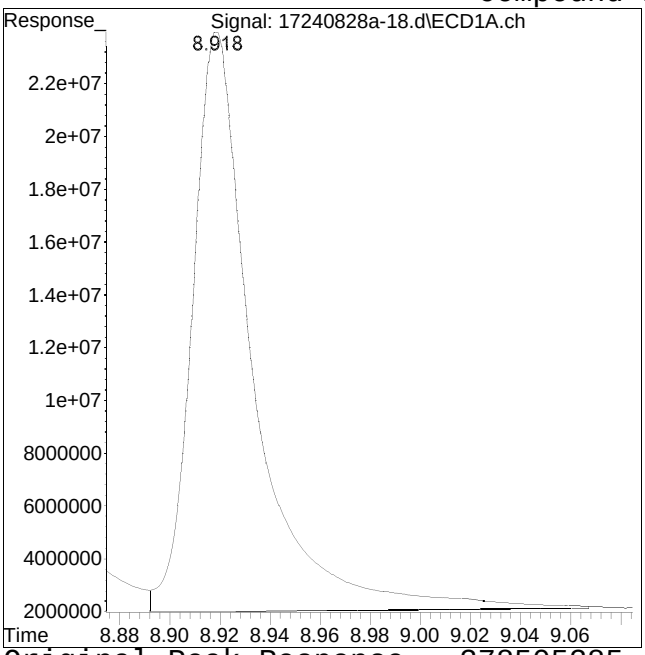
Manual Peak Response = 31181319 M4

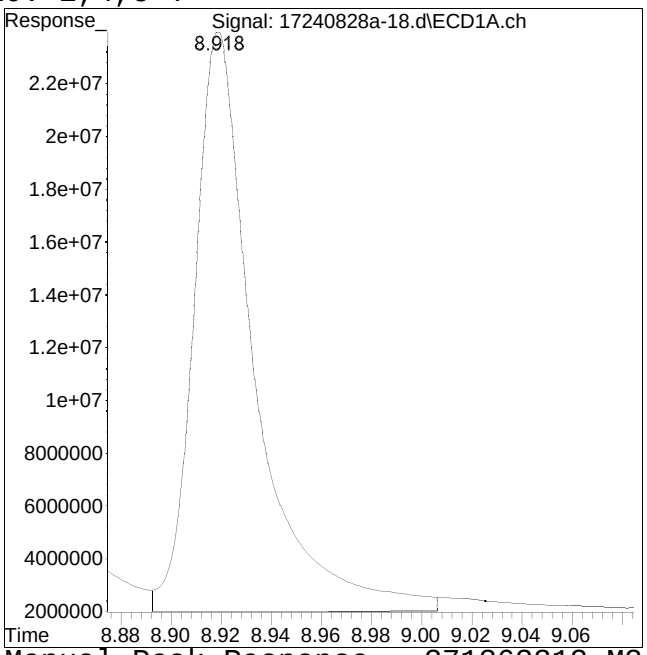
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #10: 2,4,5-T



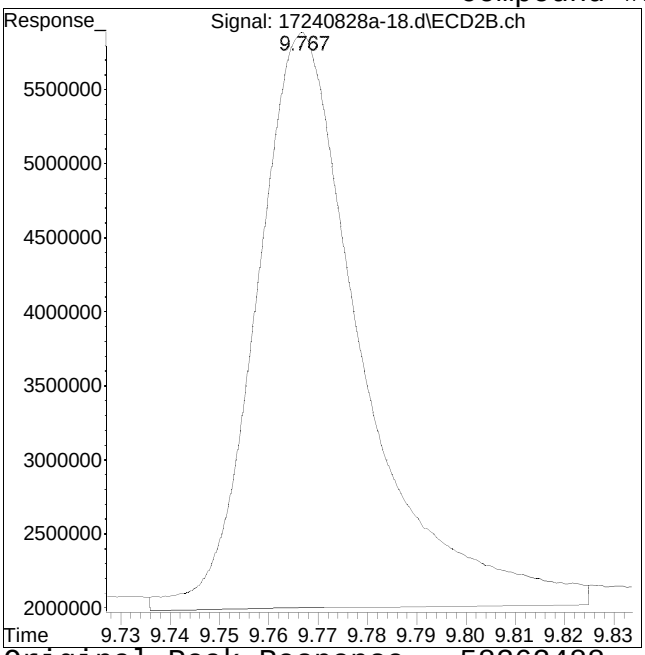


Original Peak Response = 378505385 Manual Peak Response = 371363312 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

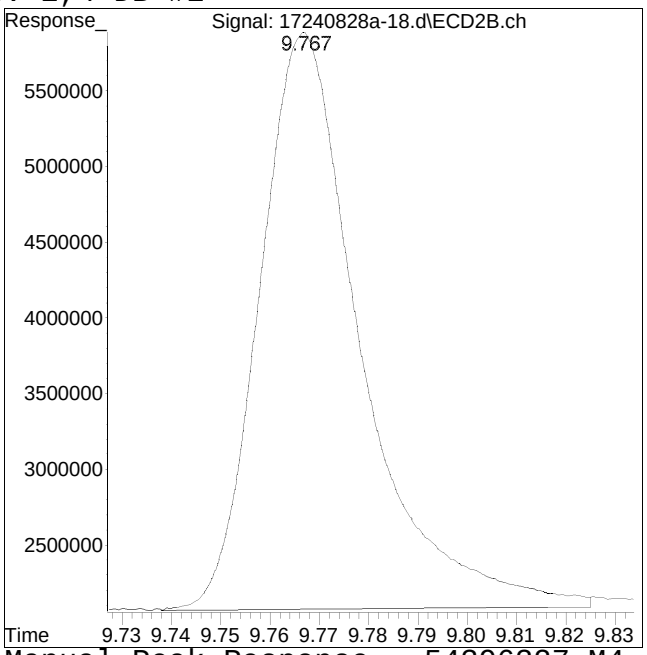
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #24: 2,4-DB #2



Original Peak Response = 58362488



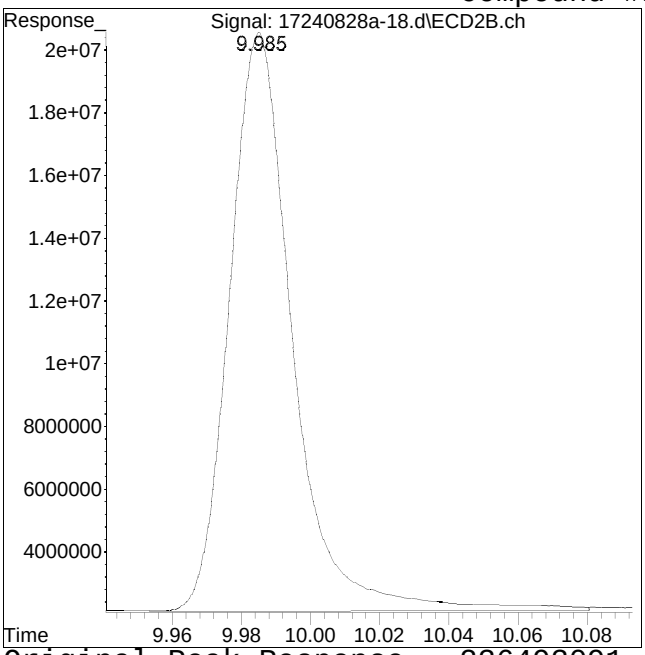
Manual Peak Response = 54396327 M4

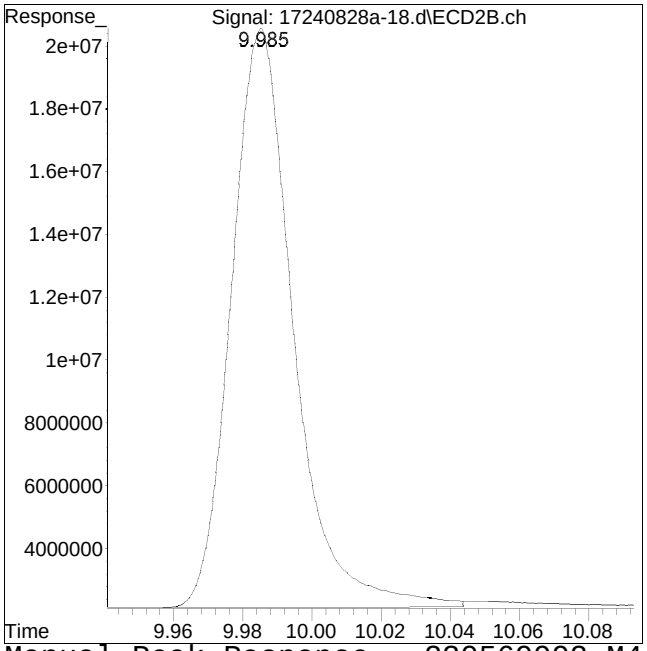
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : pest18_2024_08_15_ugL_IC
Data File : 17240828a-18.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 3:48 pm Instrument : Pest 17
Sample : wg1964814-2,42,,herb11705 Quant Date : 8/28/2024 4:44 pm

Compound #25: Dinoseb #2





Original Peak Response = 236493091 Manual Peak Response = 230569992 M4
M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**

No Detections Found

Herbicides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:13
Operator : PEST17:jag
Sample : WG1963640-1,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:03 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.427f	8.401	519.4E6	498.2E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 668945640				Recovery =	77.64%	
	Standard Area 1 : #2 = 630488988				Recovery =	79.02%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.870f	7.322	193.3E6	198.1E6	0.567M4	0.487M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	113.40%	97.40%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

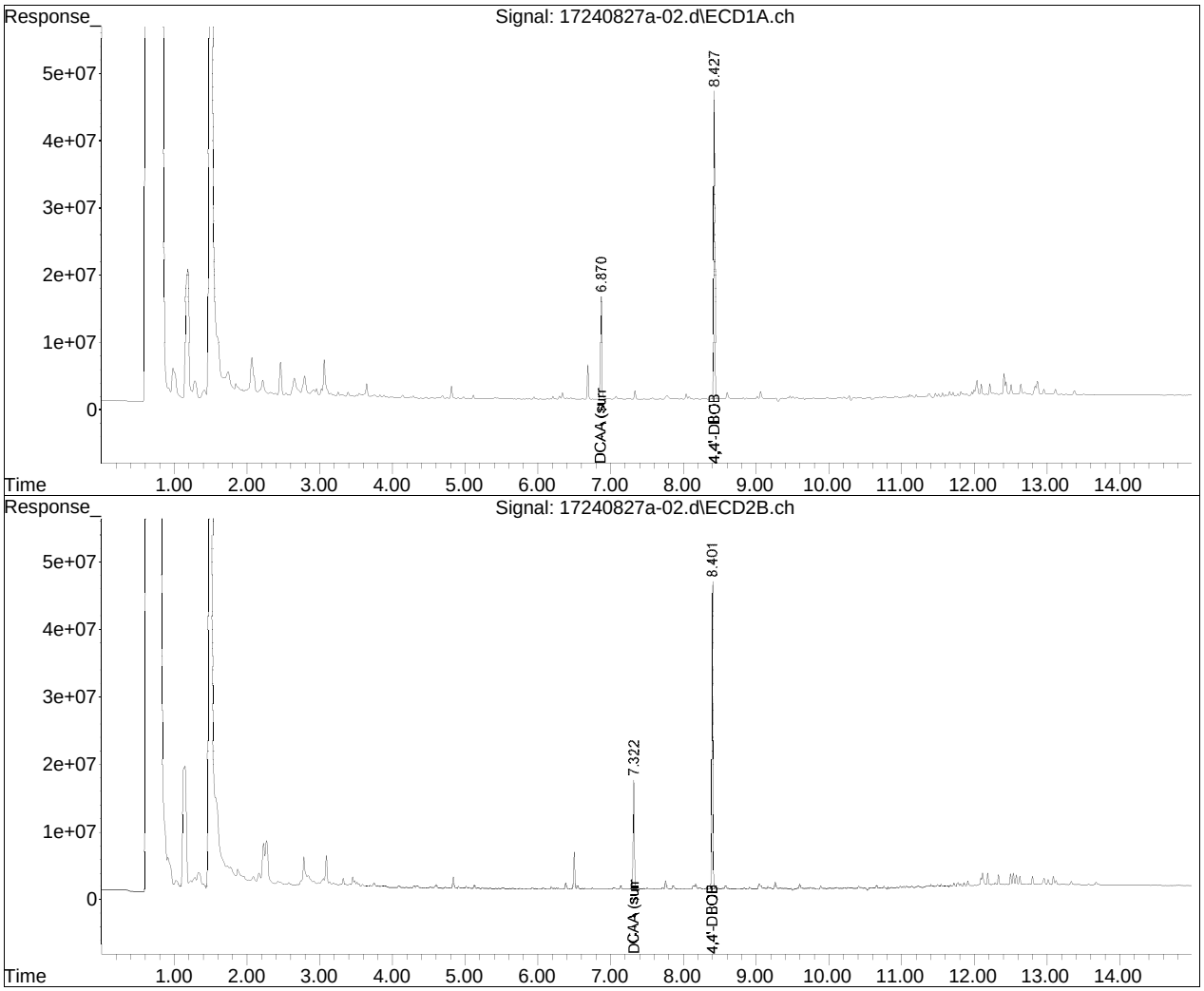
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:13
Operator : PEST17:jag
Sample : WG1963640-1,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:03 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

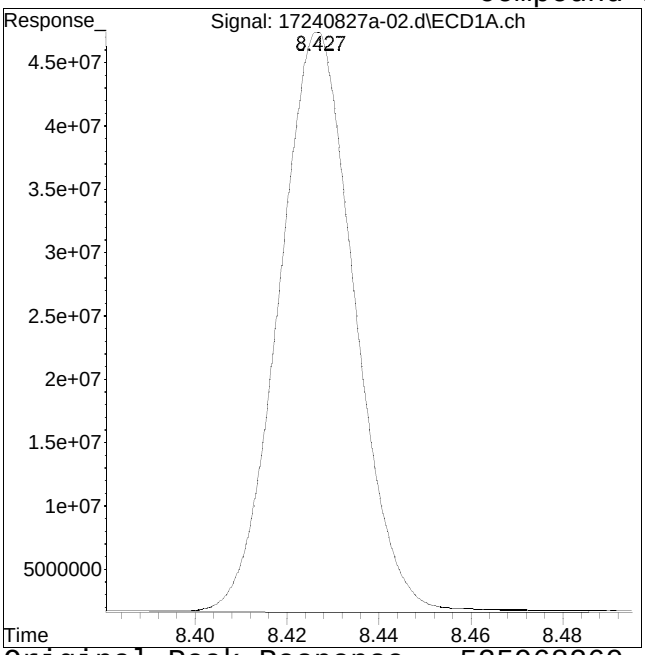
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

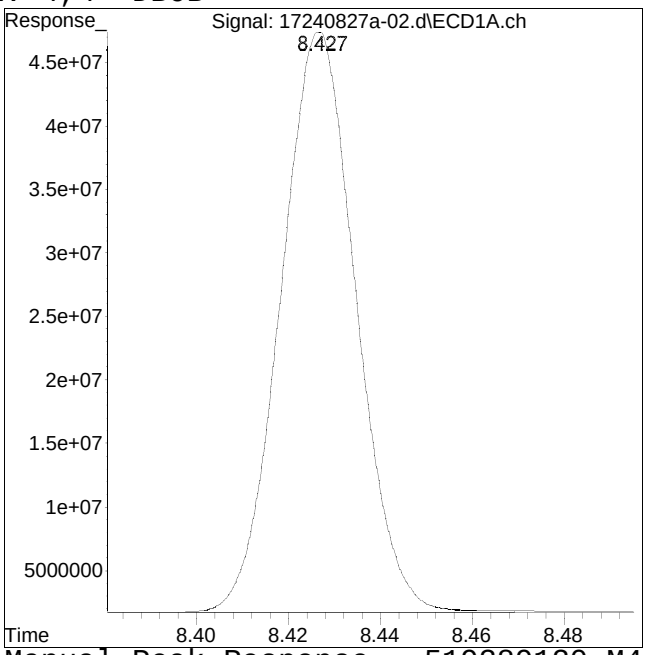


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



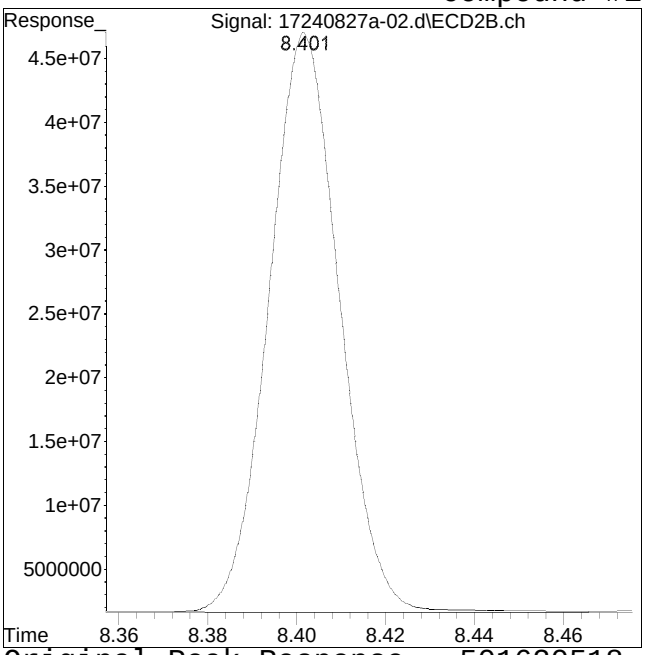


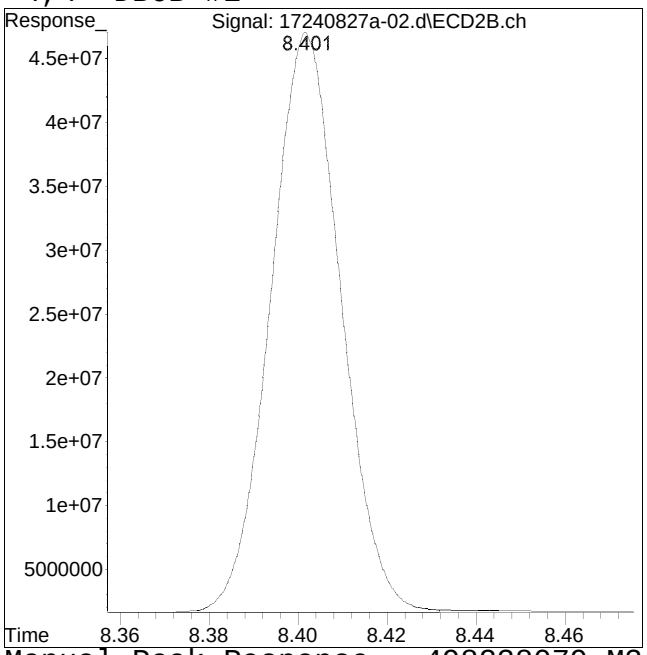
Original Peak Response = 525968260 Manual Peak Response = 519389120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



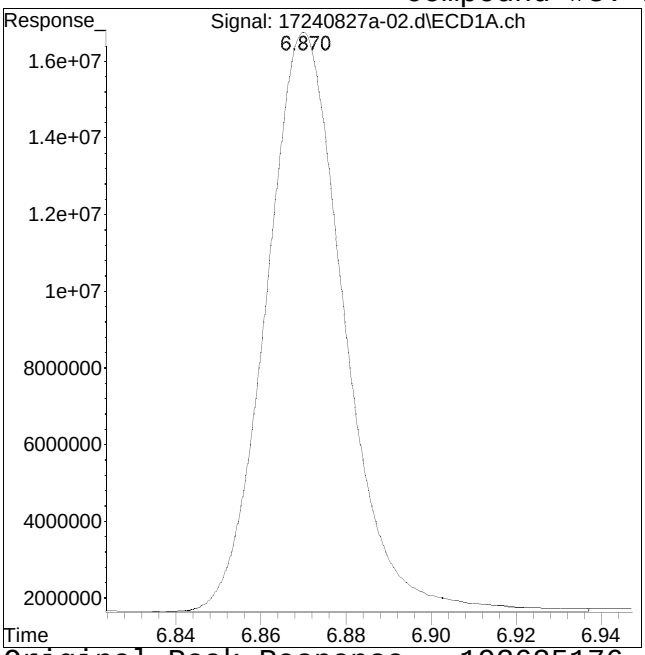


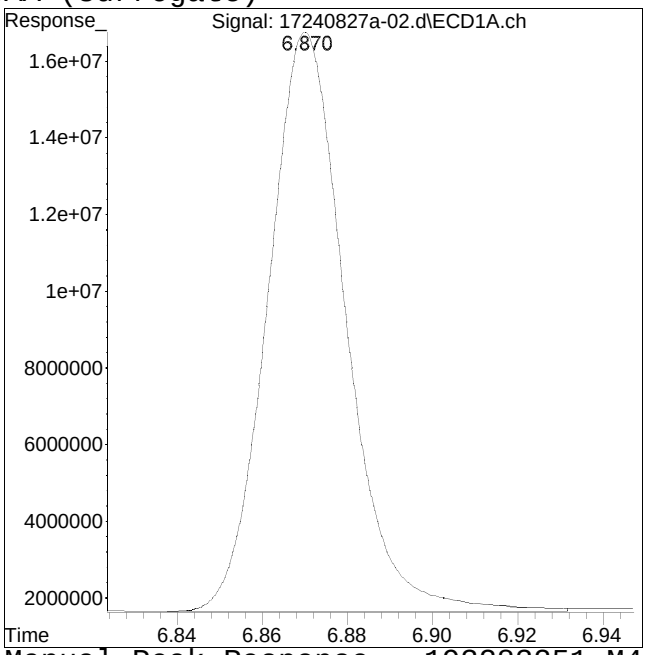
Original Peak Response = 501620518 Manual Peak Response = 498238079 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



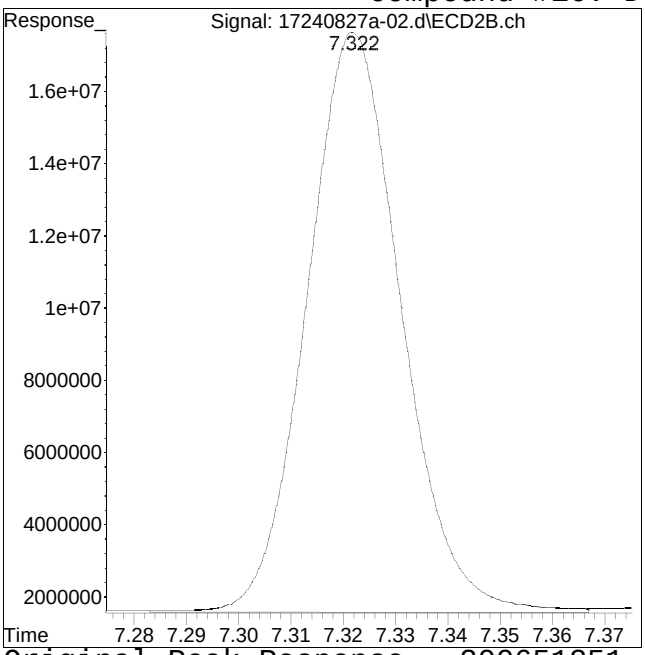


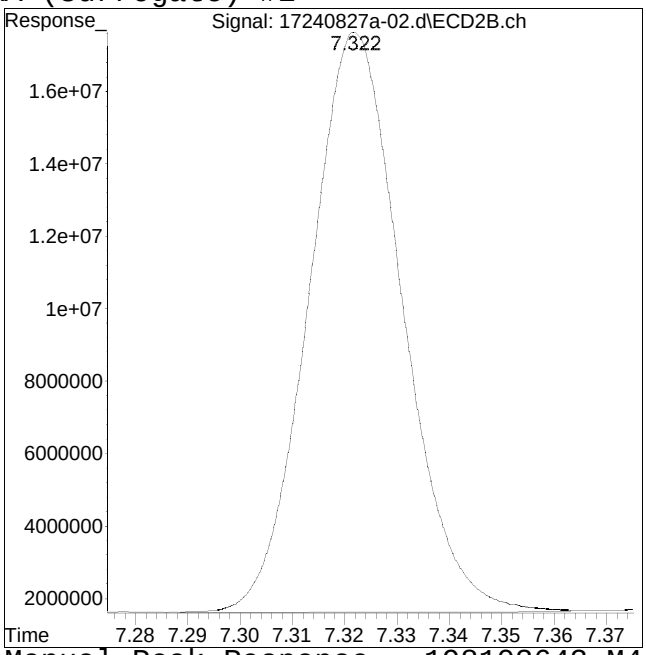
Original Peak Response = 193625176 Manual Peak Response = 193283251 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 200651251 Manual Peak Response = 198103643 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-72.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:40
Operator : pest22:mmg
Sample : WG1964244-1,42,, 4244 (Sig #1); WG1964243-1,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21298 (Sig #2)
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:28 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	866.7E6	1021.0E6	0.250M4	0.250M3
Standard Area 1 : #1 = 1243823131				Recovery =	69.68%	
Standard Area 1 : #2 = 1444515032				Recovery =	70.68%	
System Monitoring Compounds						
3) s DCAA (surrog	6.952	7.410	352.3E6	384.4E6	0.523M3	0.484M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	104.60%	96.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

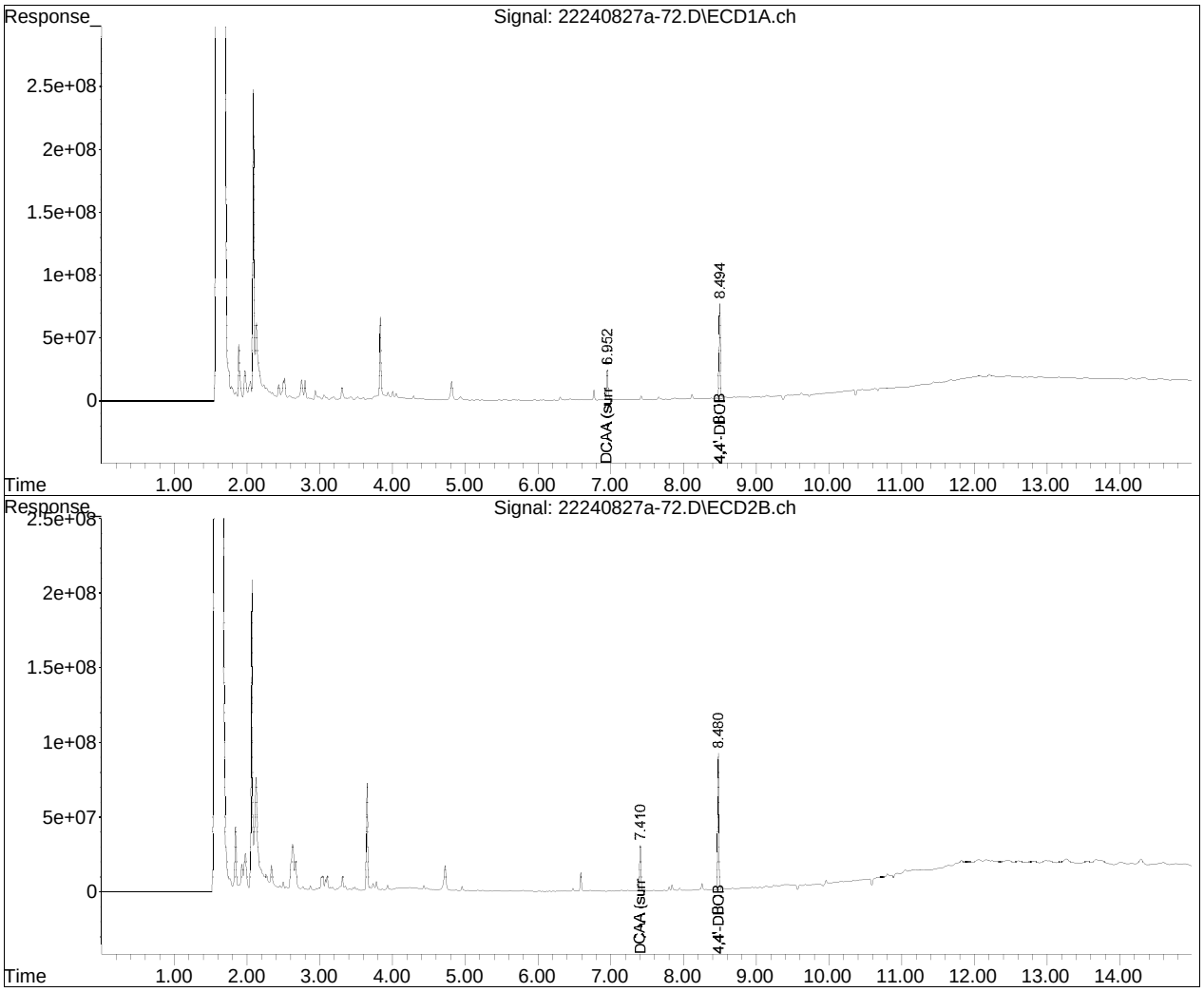
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-72.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:40
Operator : pest22:mmg
Sample : WG1964244-1,42,, 4244 (Sig #1); WG1964243-1,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:28 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

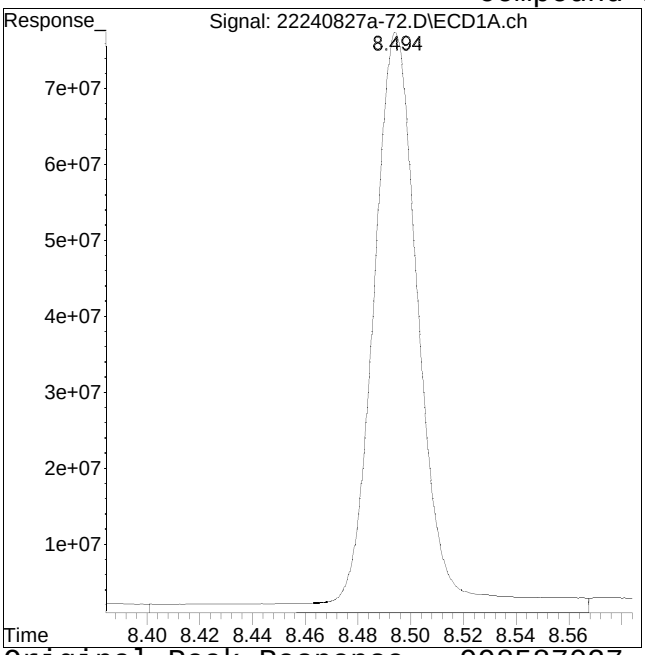
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

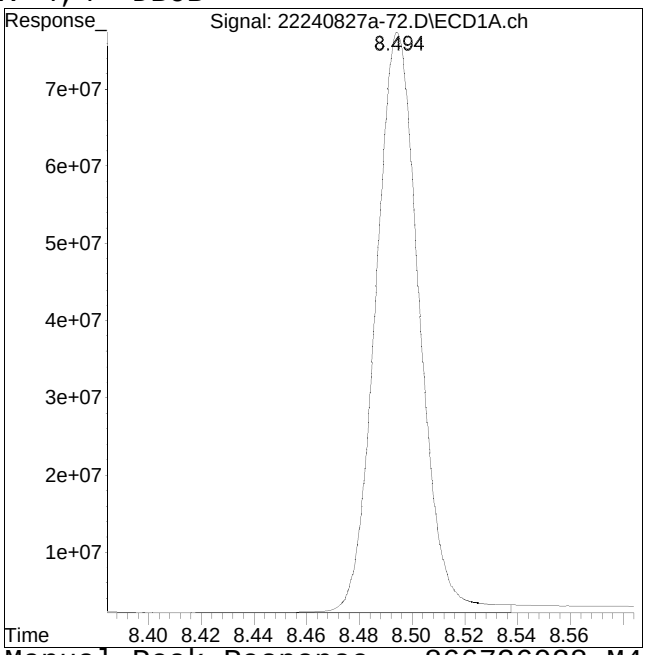


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



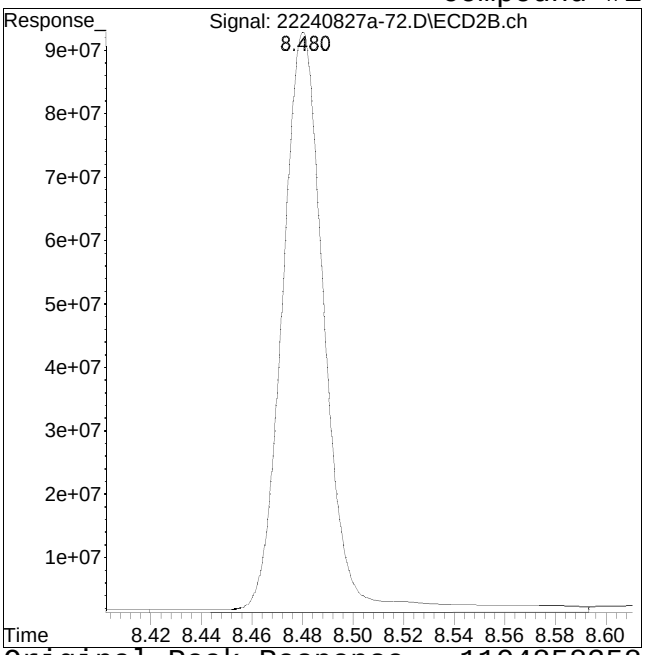


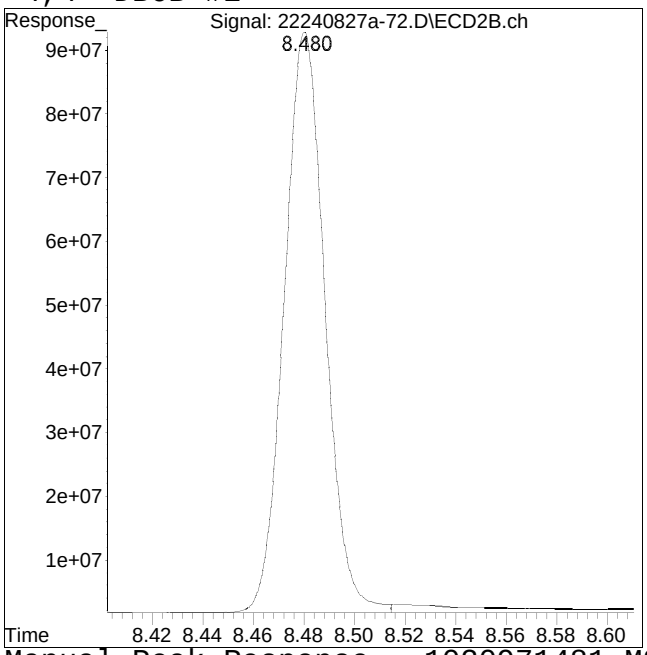
Original Peak Response = 998587027 Manual Peak Response = 866736028 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



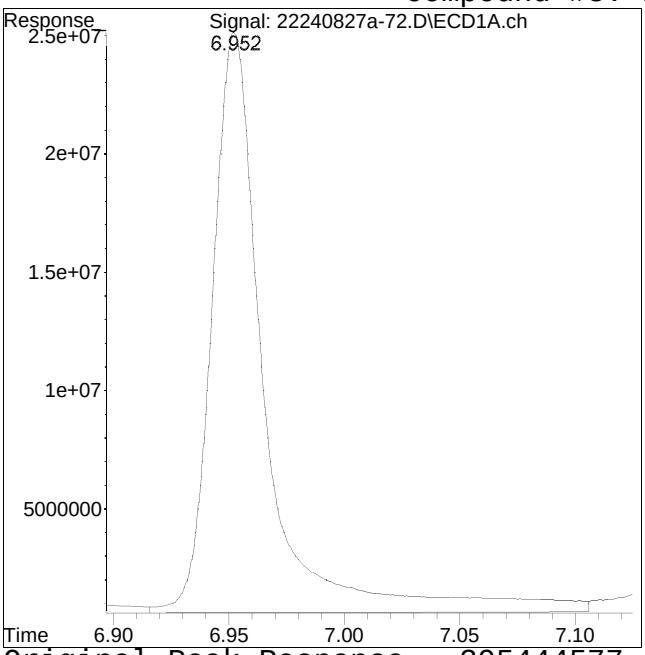


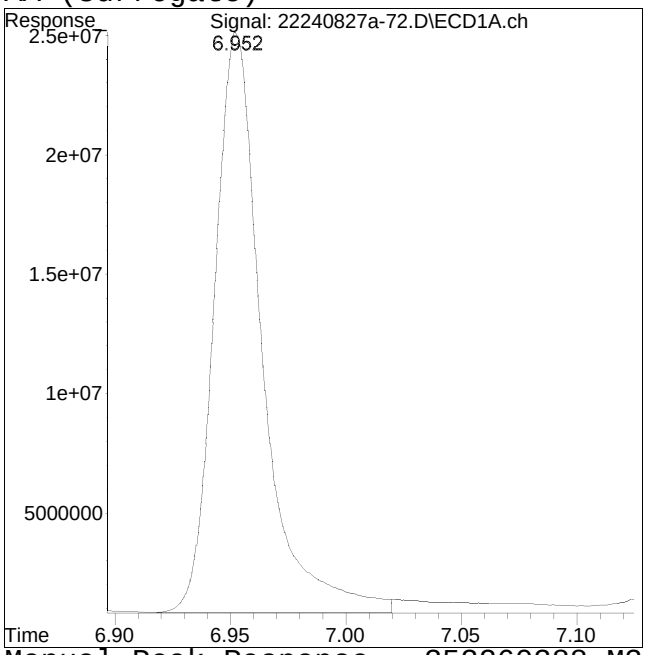
Original Peak Response = 1104858358 Manual Peak Response = 1020971481 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



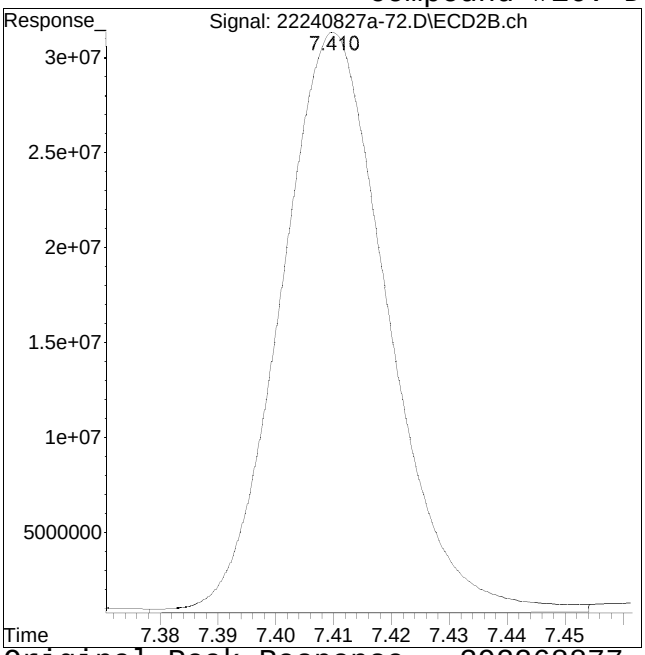


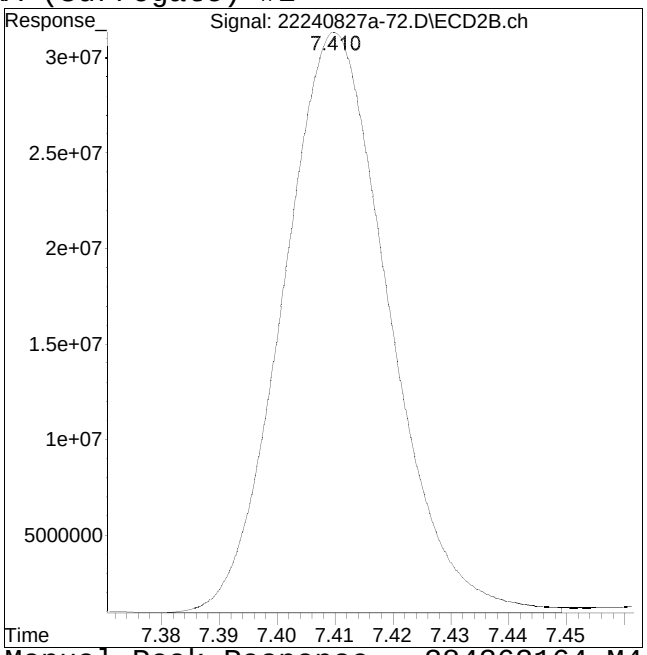
Original Peak Response = 395444577 Manual Peak Response = 352260388 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 392268877 Manual Peak Response = 384363164 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:31
Operator : PEST17:jag
Sample : WG1963640-2,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:05 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.416	8.399	546.7E6	515.0E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 668945640				Recovery =	81.73%	
	Standard Area 1 : #2 = 630488988				Recovery =	81.68%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.860	7.320	198.1E6	233.3E6	0.552M4	0.555M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	110.40%	111.00%
	Target Compounds						
8) t	2,4-D	7.961	8.439	250.3E6	276.3E6	0.652M4	0.583
9) t	2,4,5-TP (Si	8.688	9.102	937.4E6	887.6E6	0.649M3	0.522M4
10) t	2,4,5-T	8.908	9.394	929.6E6	889.2E6	0.700M4	0.546M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

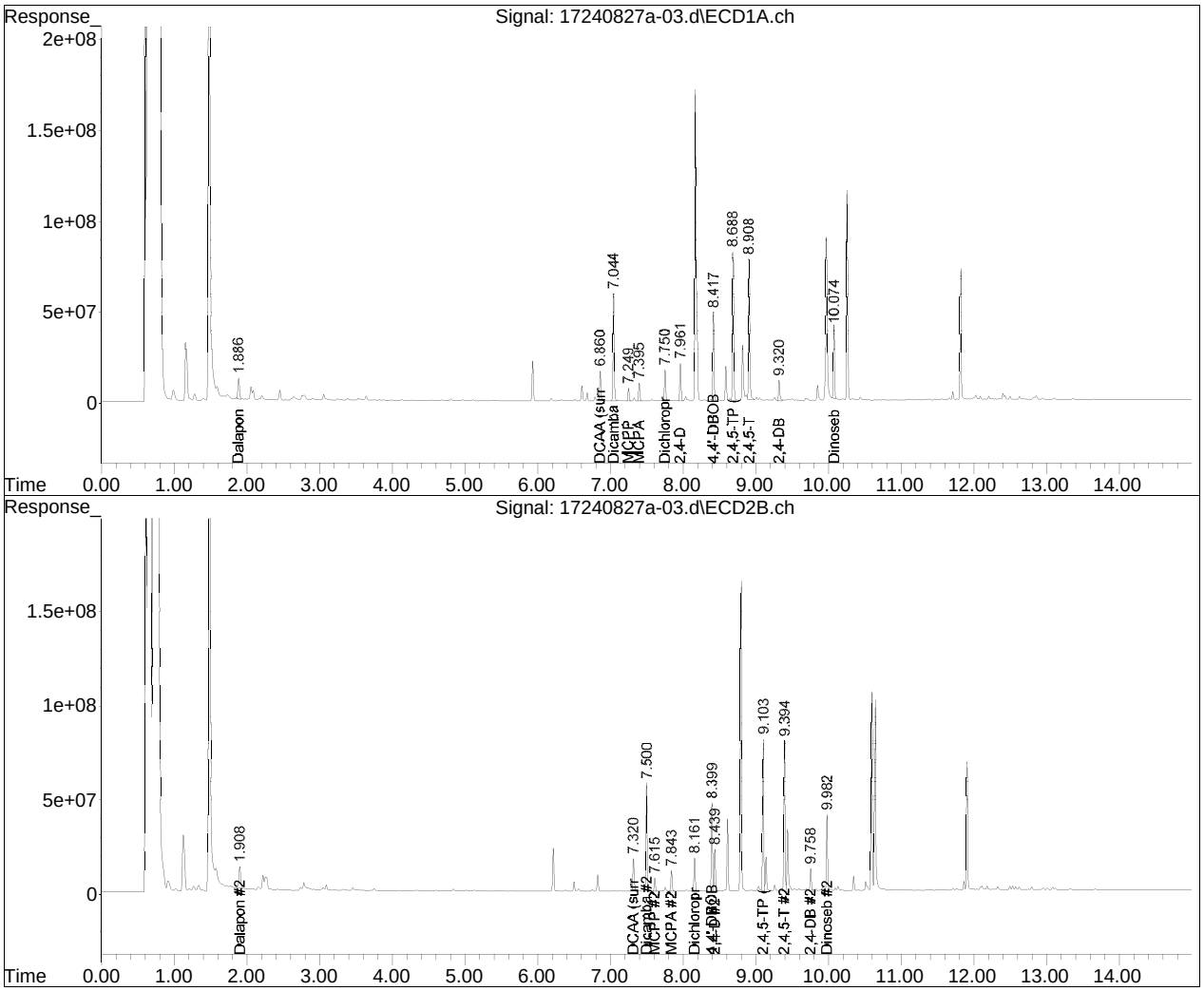
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:31
Operator : PEST17:jag
Sample : WG1963640-2,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:05 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

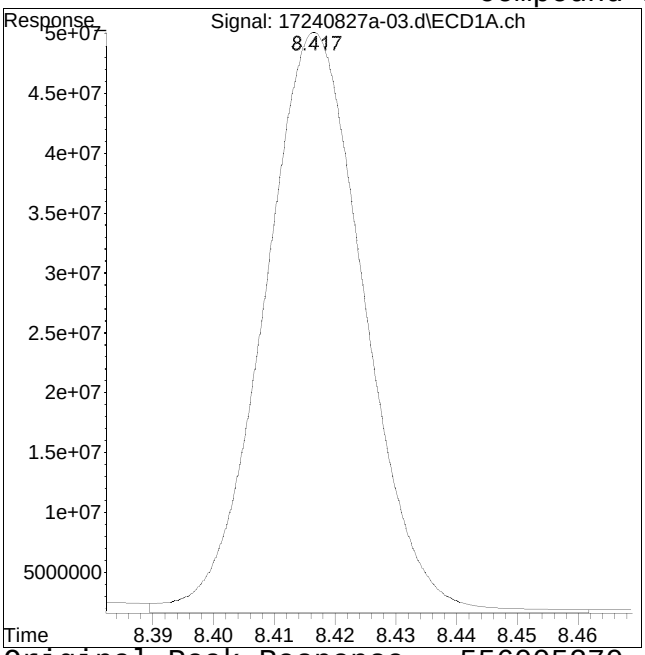
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

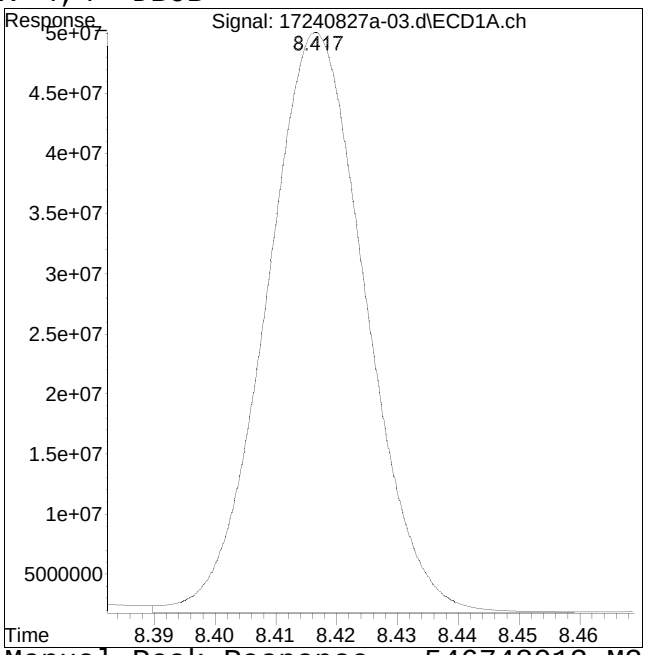


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



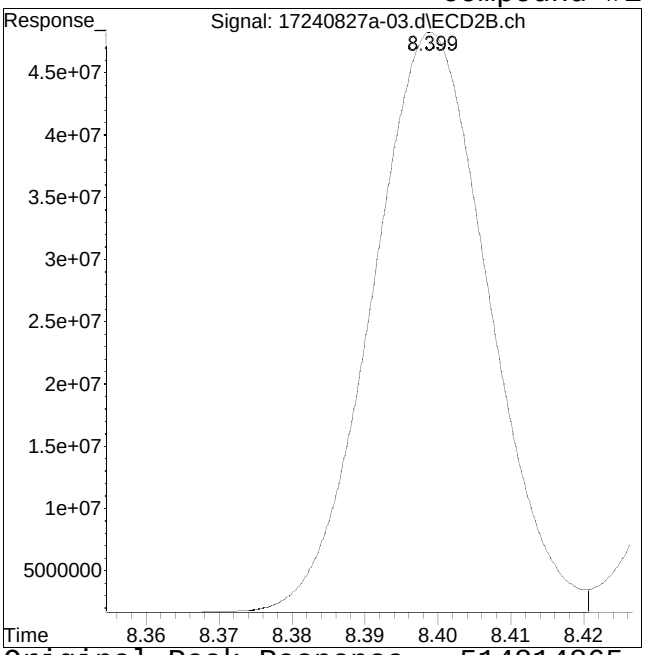


Original Peak Response = 556005270 Manual Peak Response = 546748013 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

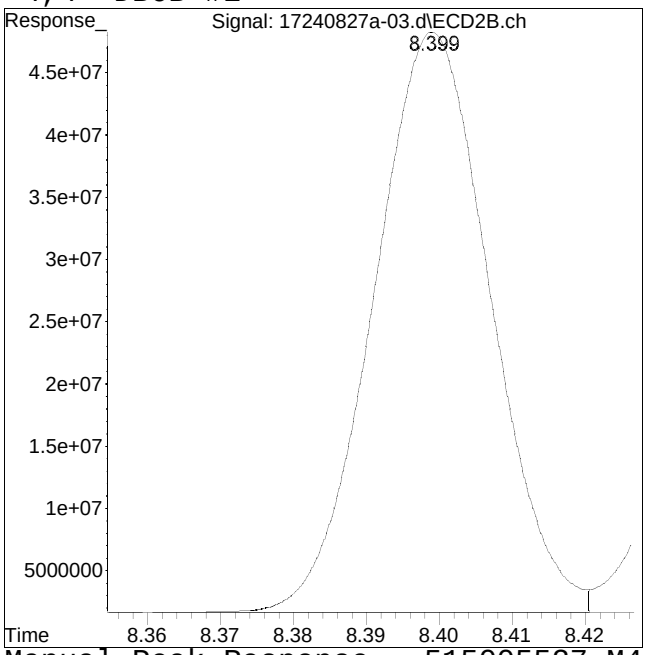
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 514814865

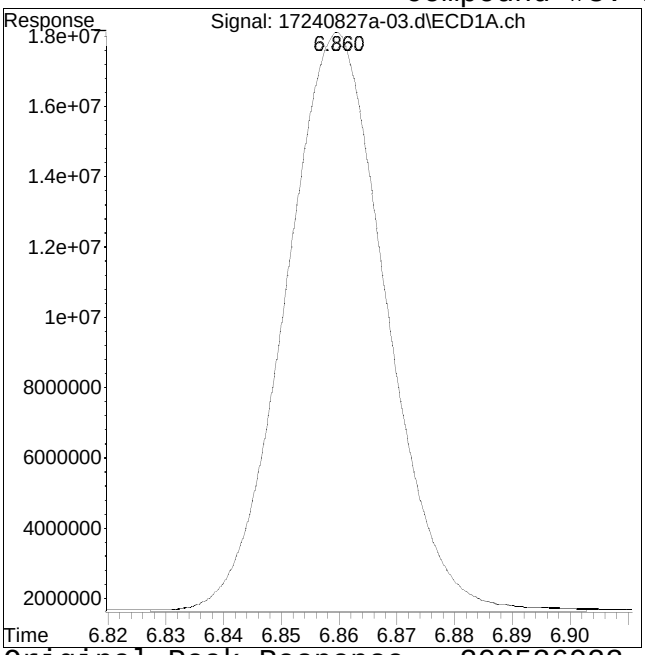


Manual Peak Response = 515005527 M4
M4 = Poor automated baseline construction.

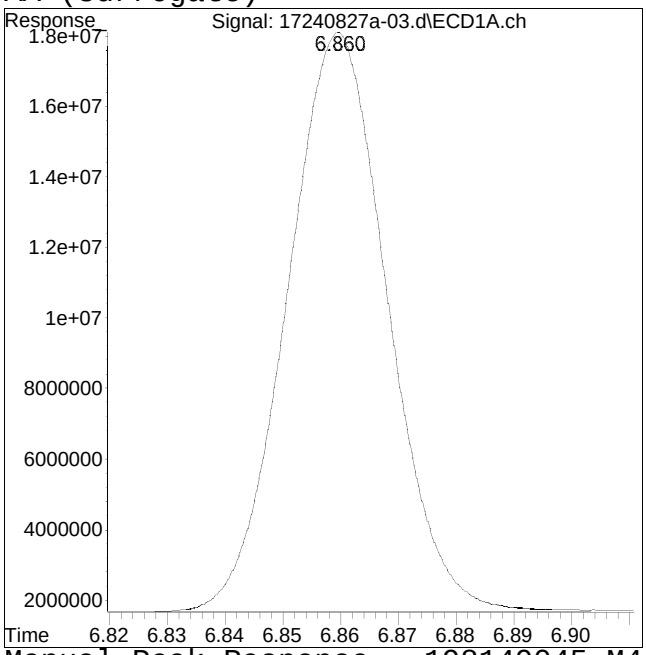
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 200526923



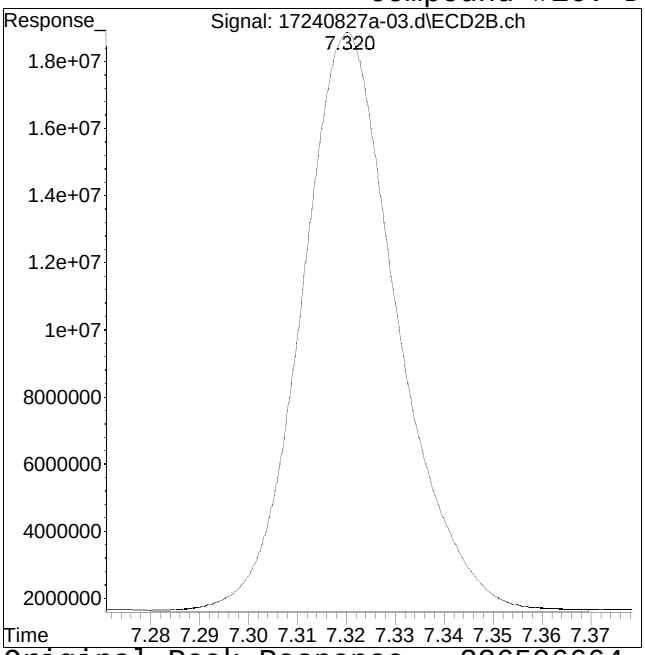
Manual Peak Response = 198149045 M4

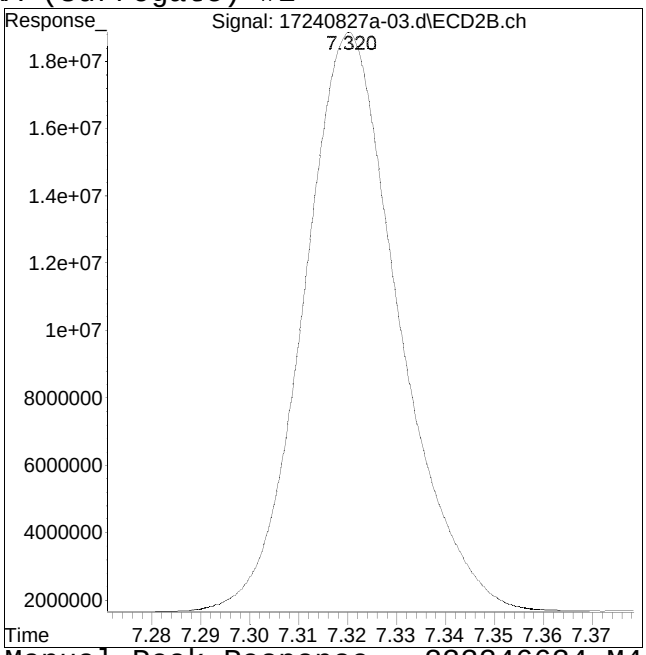
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



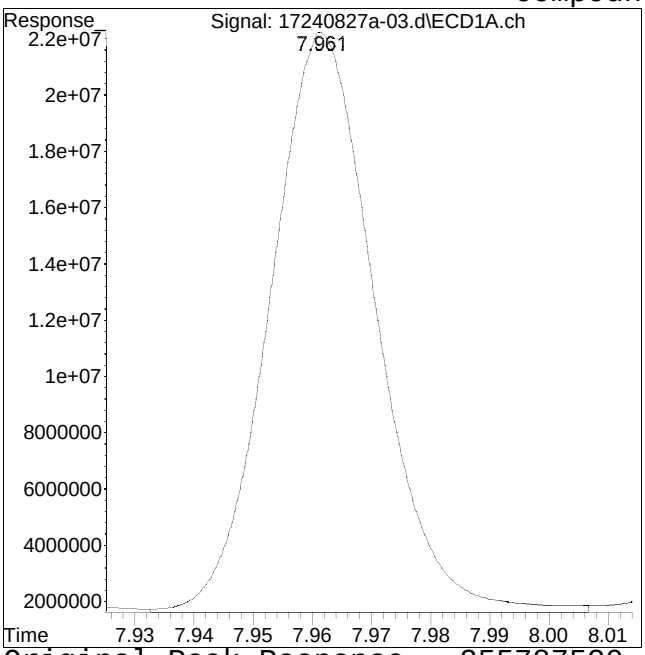


Original Peak Response = 236596664 Manual Peak Response = 233346634 M4
M4 = Poor automated baseline construction.

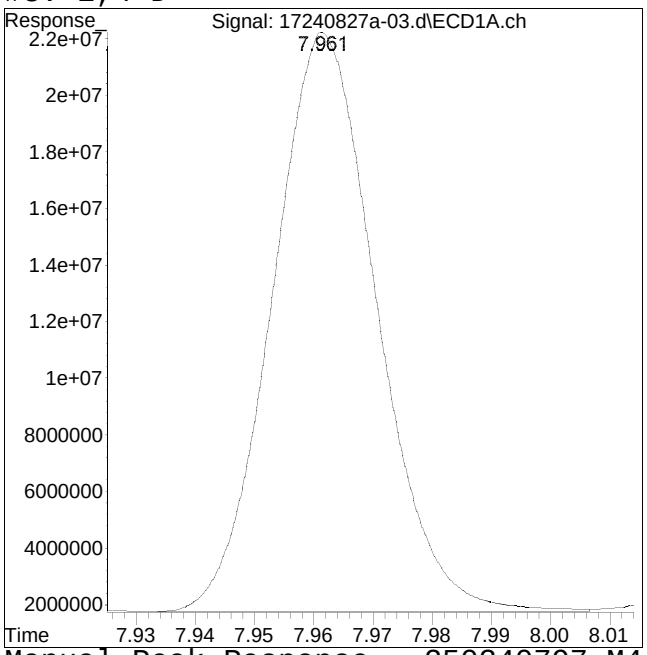
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #8: 2,4-D



Original Peak Response = 255787520



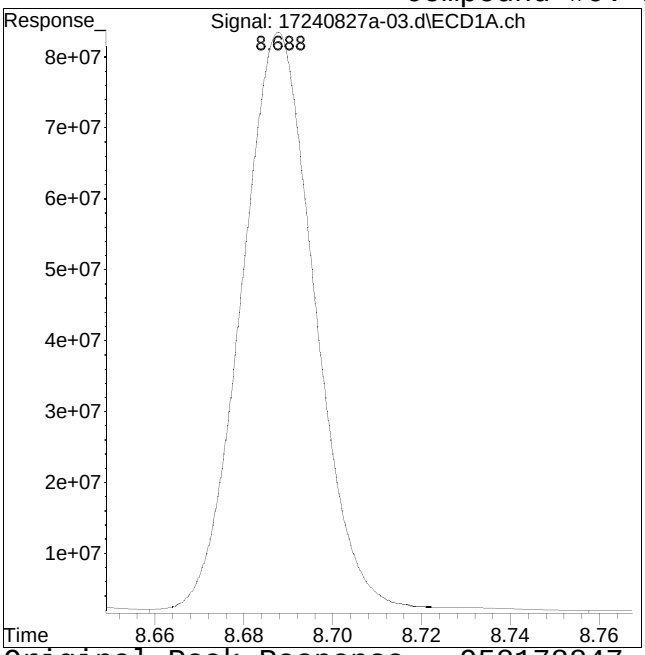
Manual Peak Response = 250340797 M4

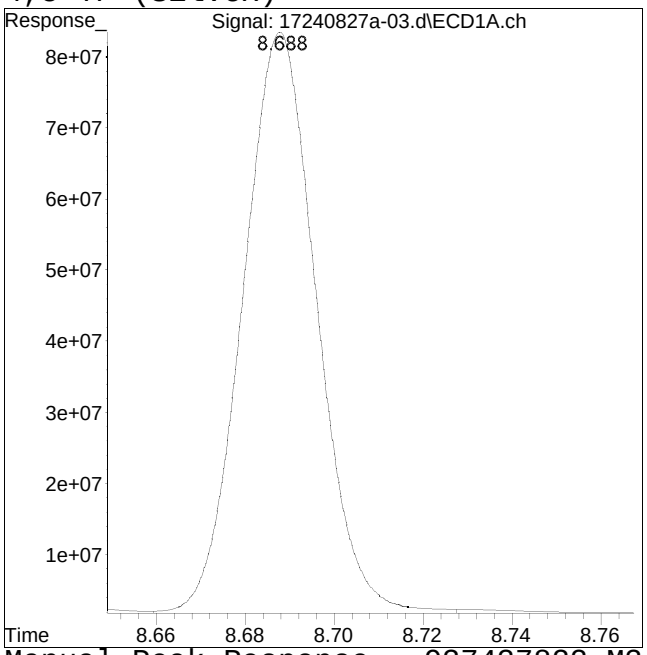
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



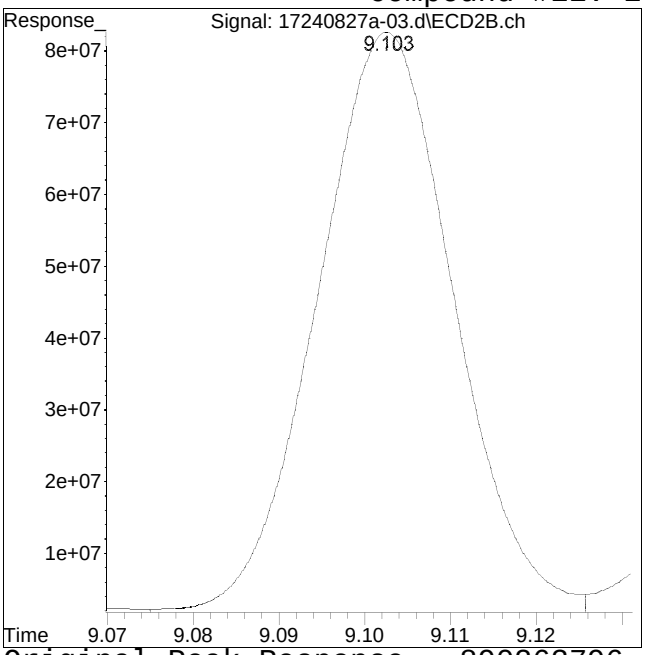


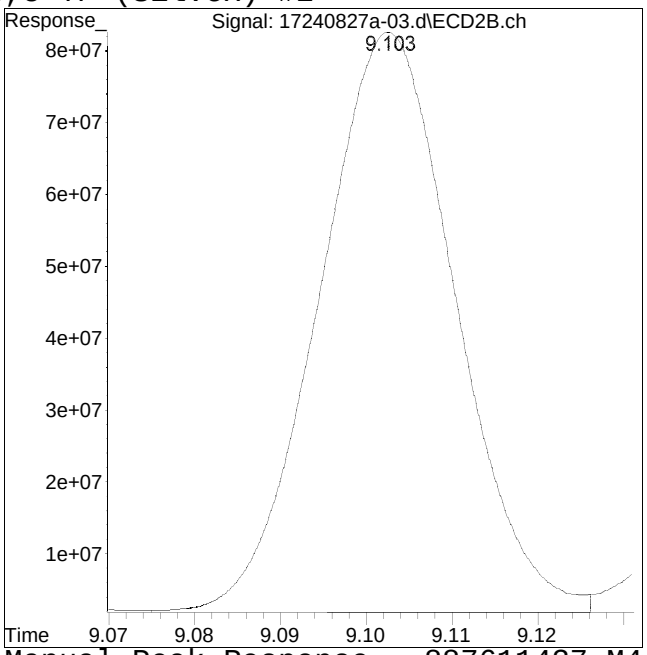
Original Peak Response = 958178847 Manual Peak Response = 937437822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



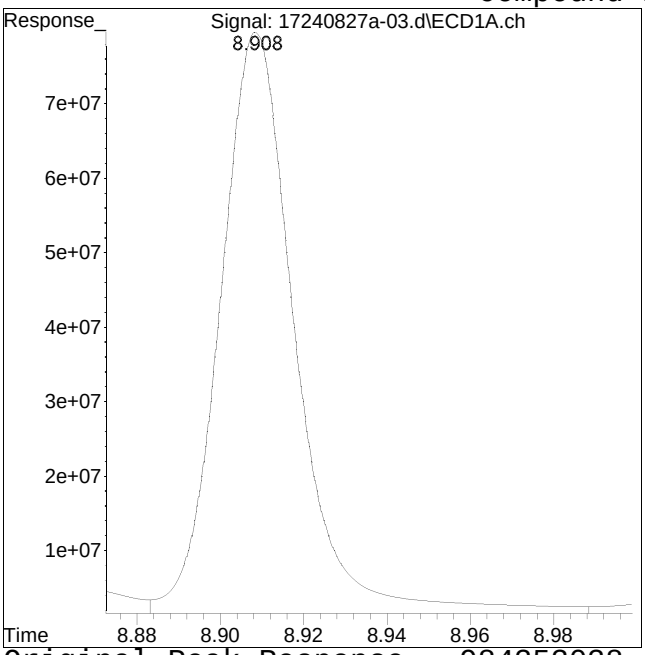


Original Peak Response = 890263796 Manual Peak Response = 887611437 M4
M4 = Poor automated baseline construction.

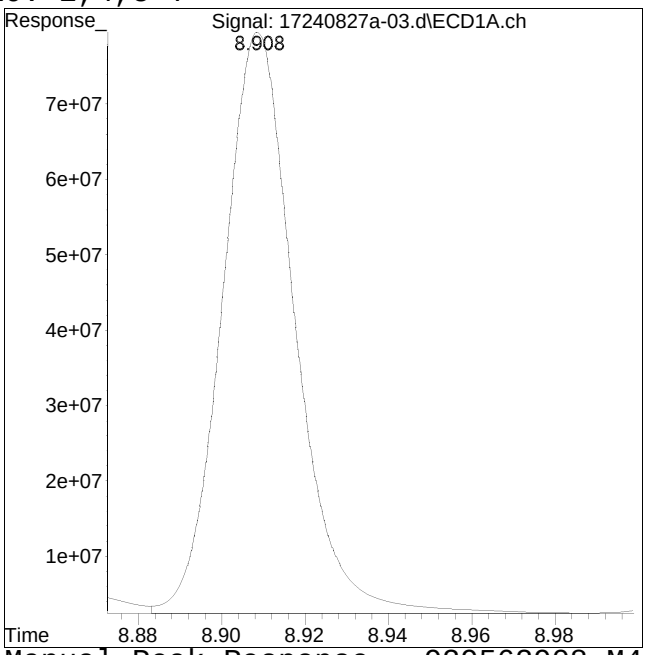
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



Original Peak Response = 984353038



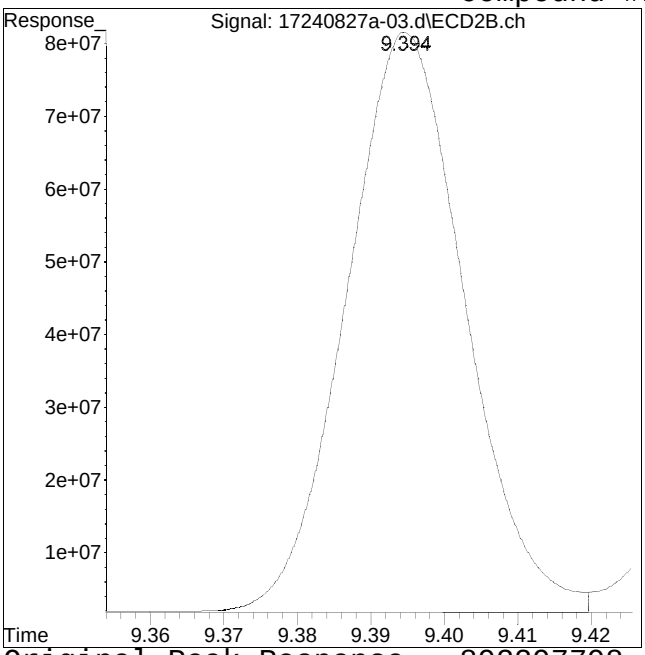
Manual Peak Response = 929562908 M4

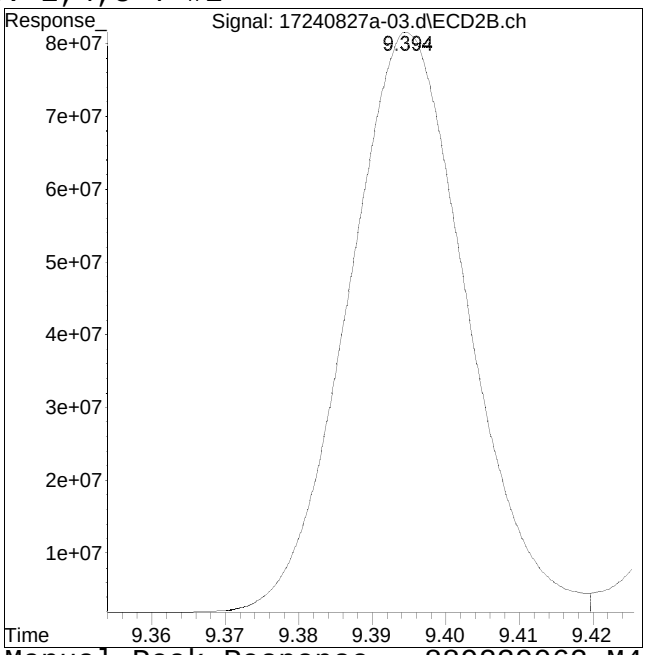
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 892297798 Manual Peak Response = 889239062 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-73.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:59
Operator : pest22:mmg
Sample : WG1964244-2,42,, 4244 (Sig #1); WG1964243-2,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21298 (Sig #2)
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:29 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	866.4E6	1007.5E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1243823131				Recovery =	69.66%	
Standard Area 1 : #2 = 1444515032				Recovery =	69.75%	
System Monitoring Compounds						
3) s DCAA (surrog	6.950	7.409	366.2E6	631.7E6	0.544M3	0.807M3
Spiked Amount	0.500	Range 30 - 150		Recovery =	108.80%	161.40%#
Target Compounds						
8) t 2,4-D	8.051f	8.522	452.7E6	579.1E6	0.603M2	0.693M4
9) t 2,4,5-TP (Si	8.766f	9.179	1595.4E6	1740.7E6	0.571M3	0.531M4
10) t 2,4,5-T	8.989f	9.469	1709.8E6	1828.9E6	0.608M2	0.586M4
SemiQuant Compounds - Not Calibrated on this Instrument						

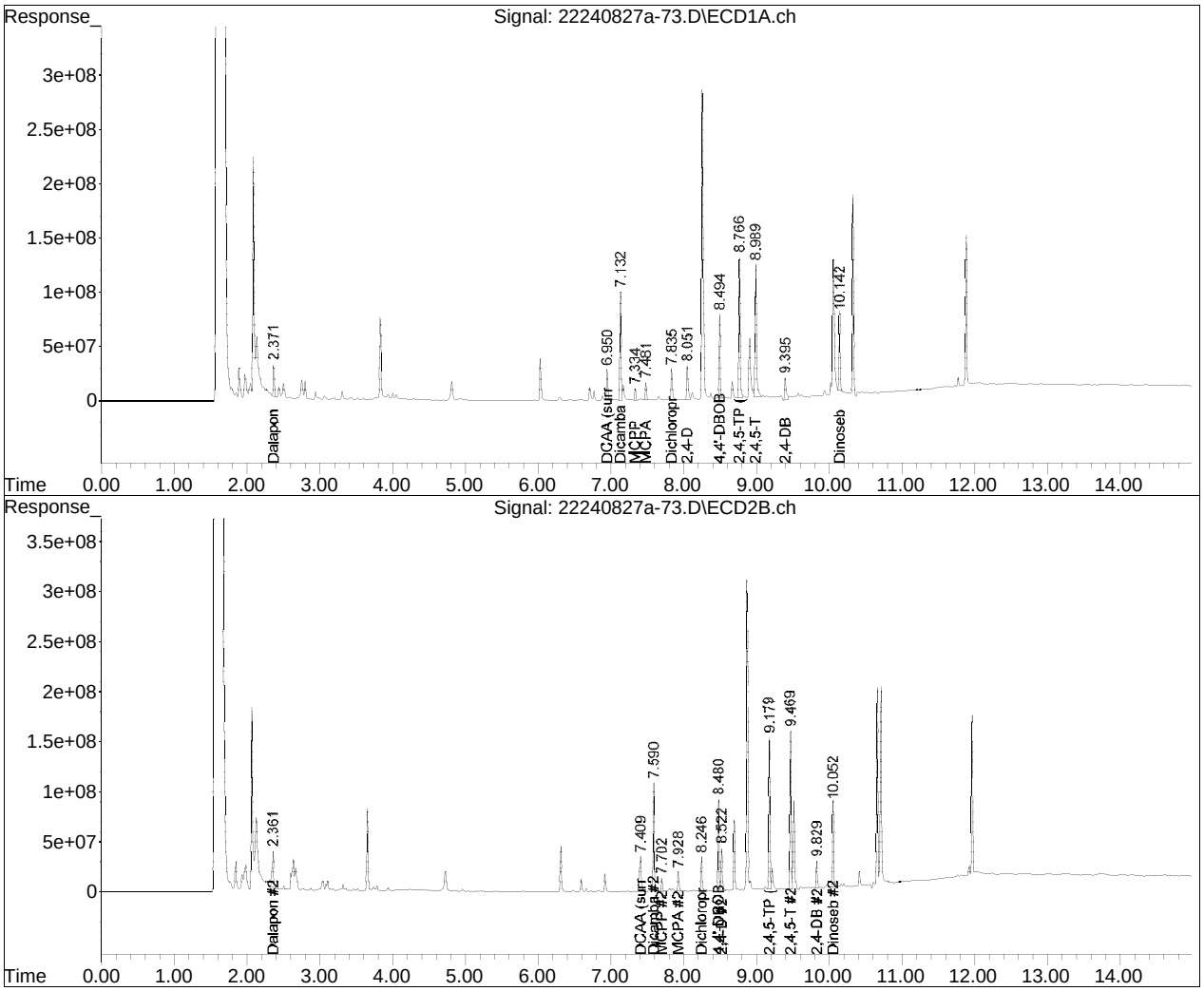
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-73.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:59
Operator : pest22:mmg
Sample : WG1964244-2,42,, 4244 (Sig #1); WG1964243-2,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:29 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

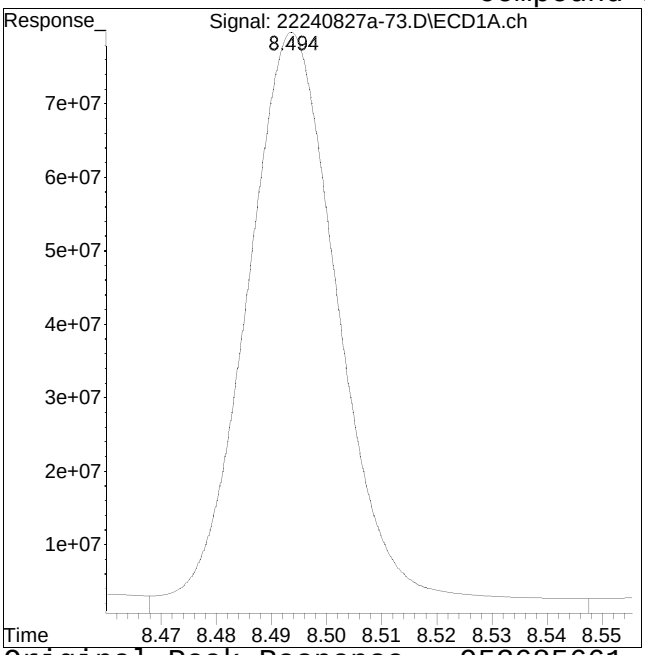
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

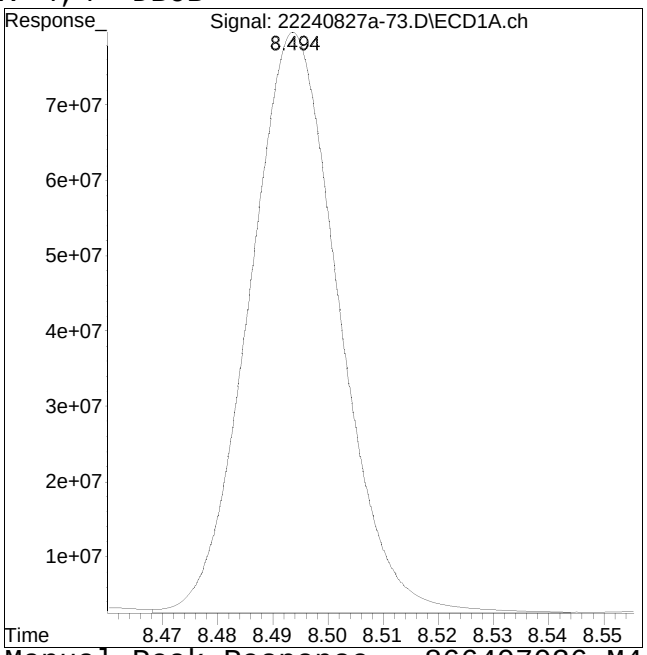


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



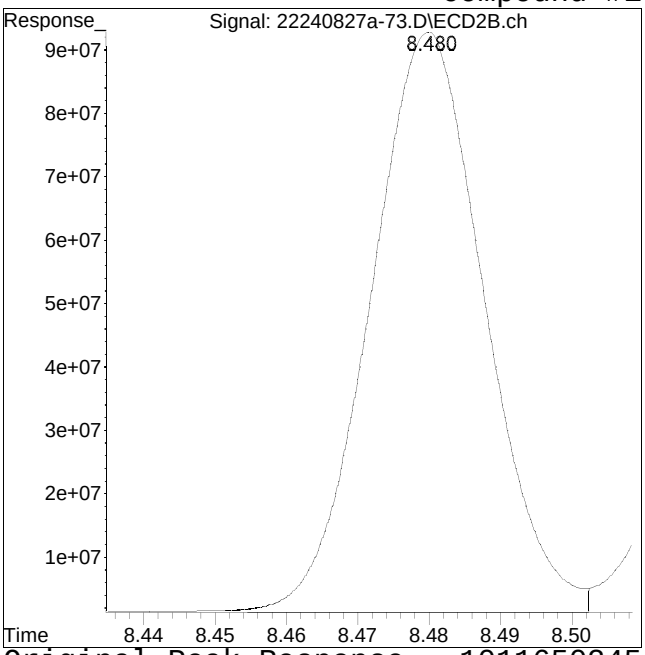


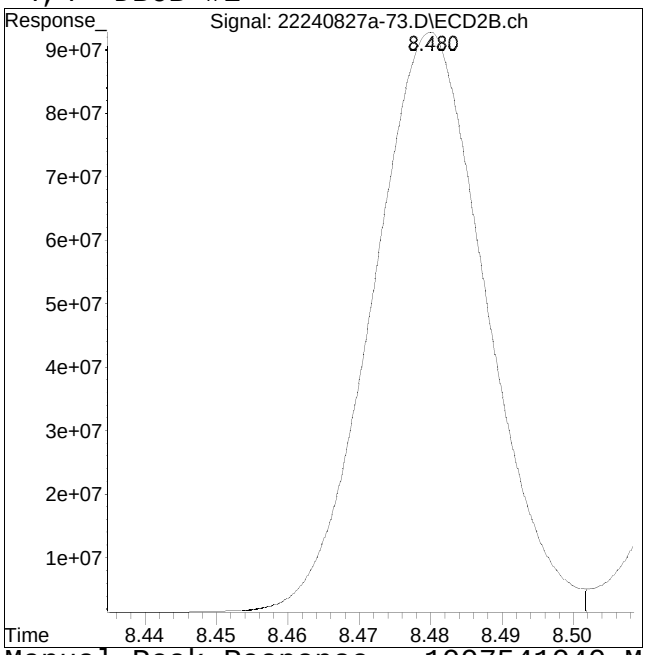
Original Peak Response = 953685661 Manual Peak Response = 866407036 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



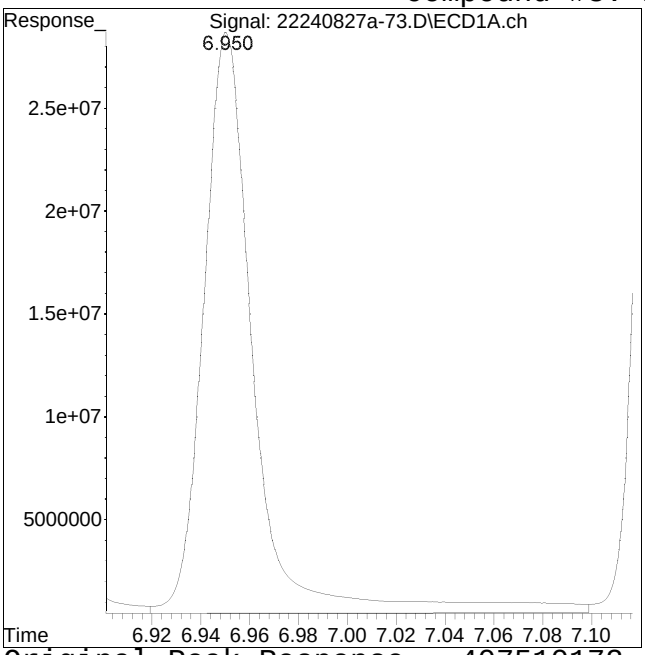


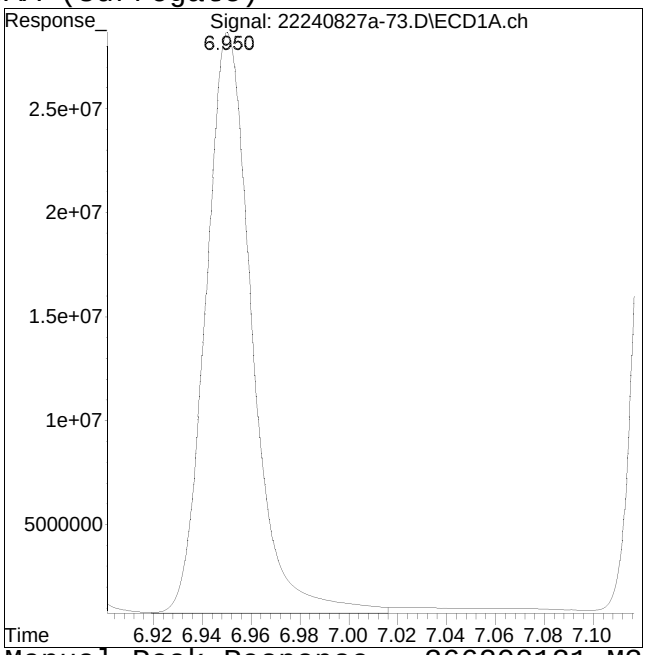
Original Peak Response = 1011650245 Manual Peak Response = 1007541040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



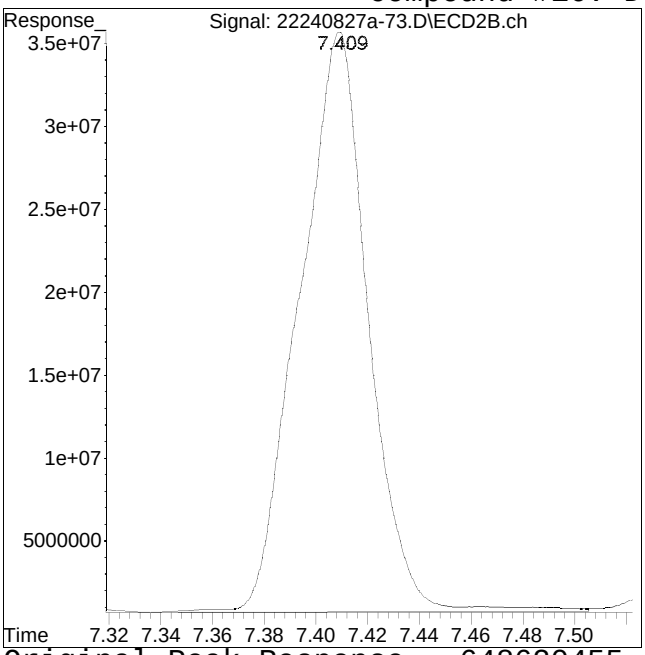


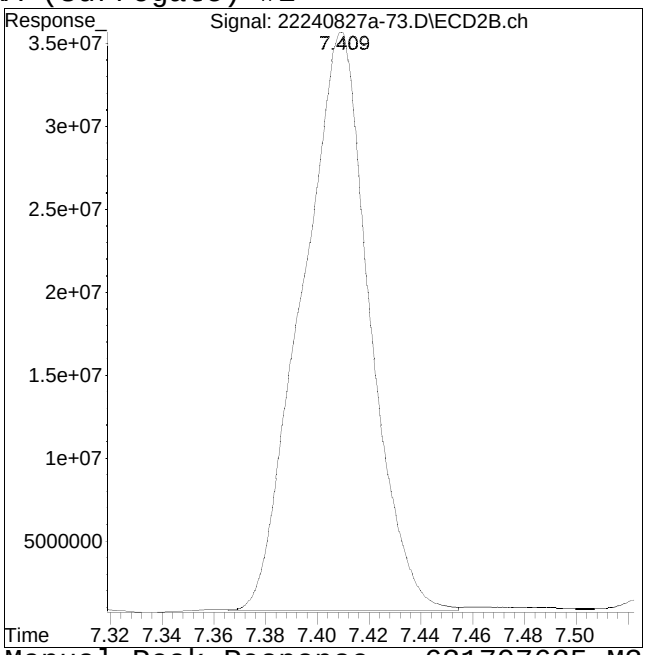
Original Peak Response = 407510172 Manual Peak Response = 366200121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2



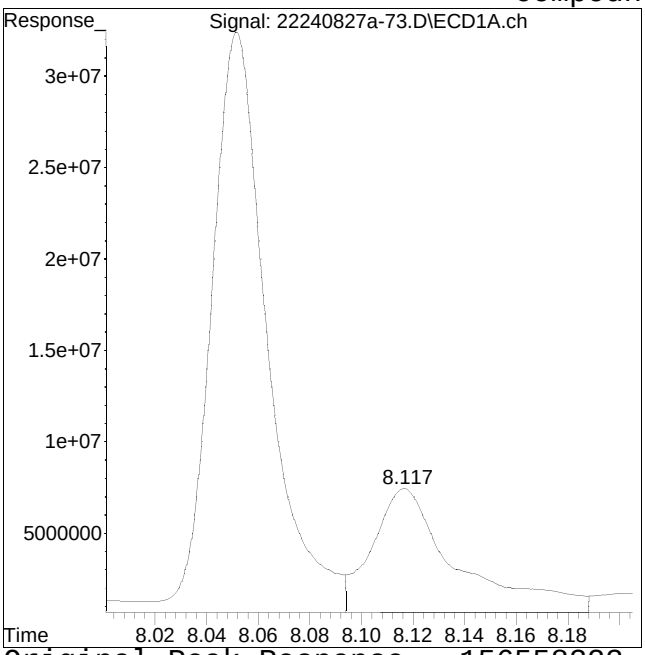


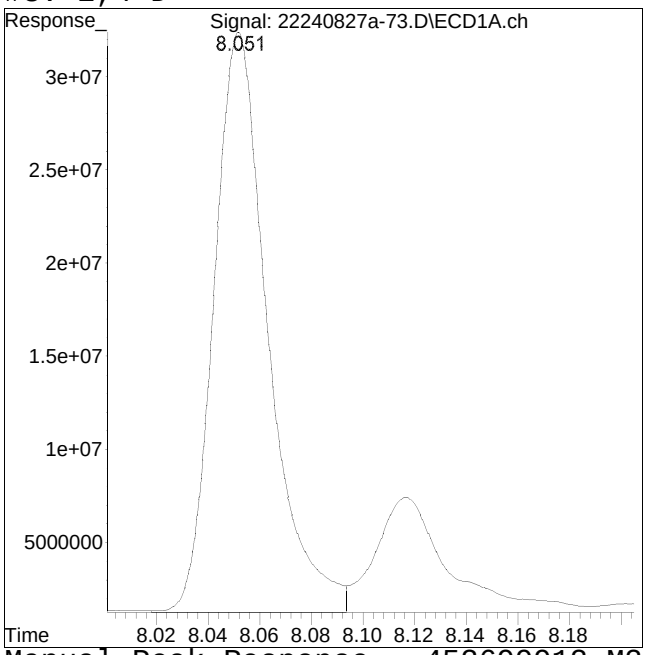
Original Peak Response = 648620455 Manual Peak Response = 631707635 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #8: 2,4-D



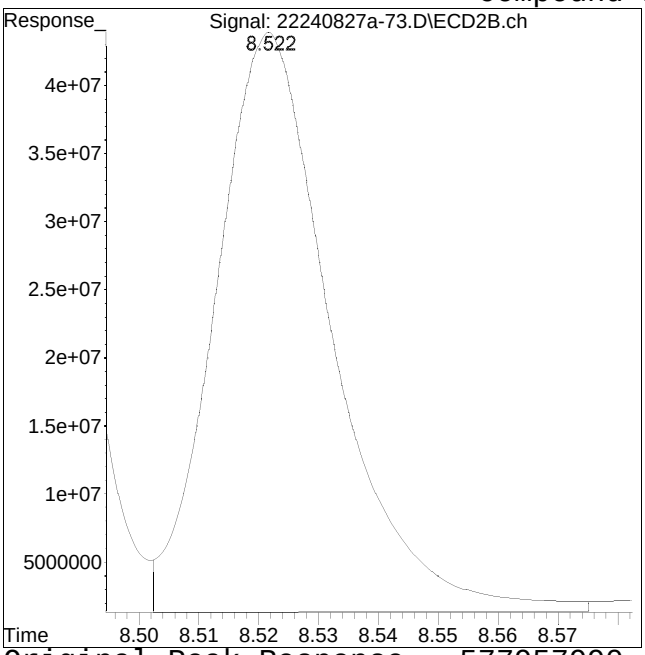


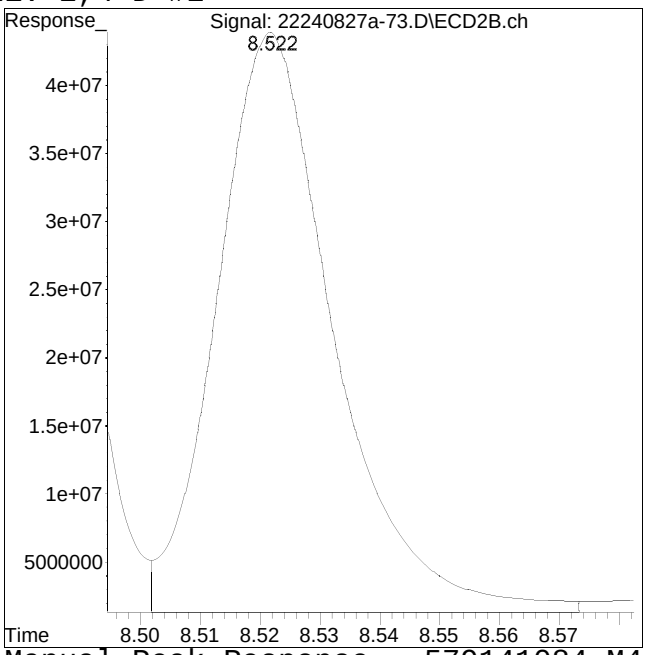
Original Peak Response = 156558323 Manual Peak Response = 452699912 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #21: 2,4-D #2



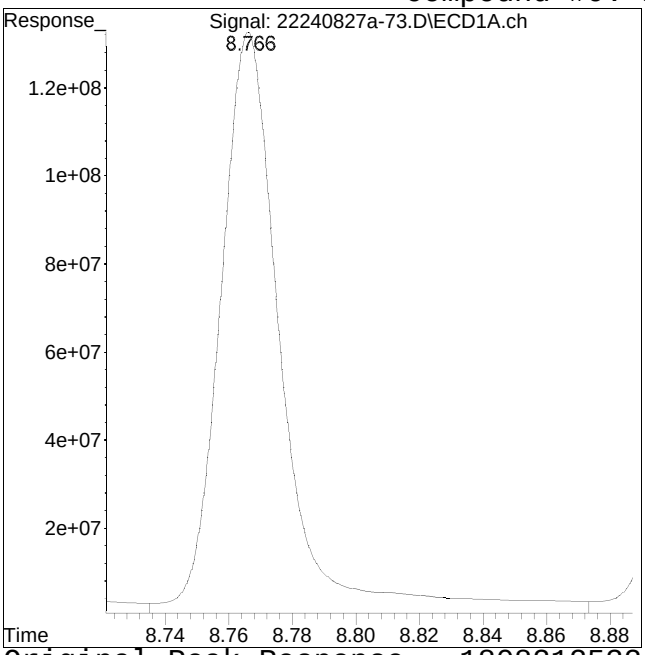


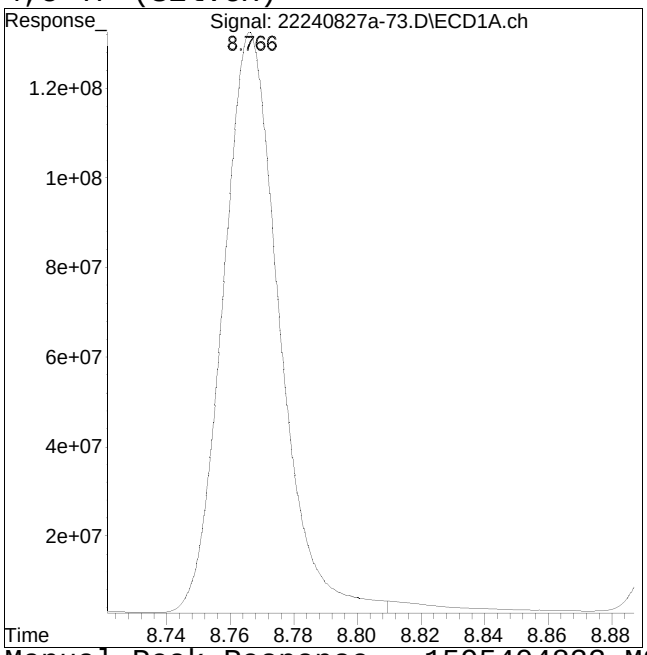
Original Peak Response = 577957990 Manual Peak Response = 579141084 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #9: 2,4,5-TP (Silvex)



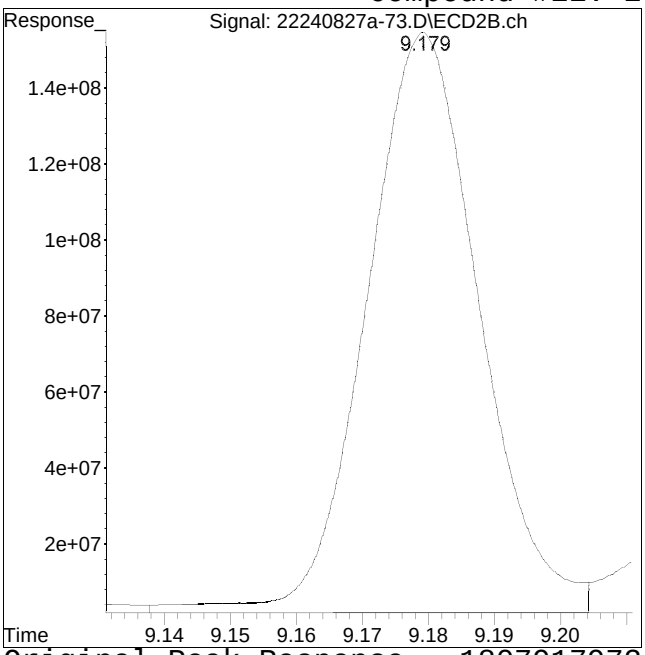


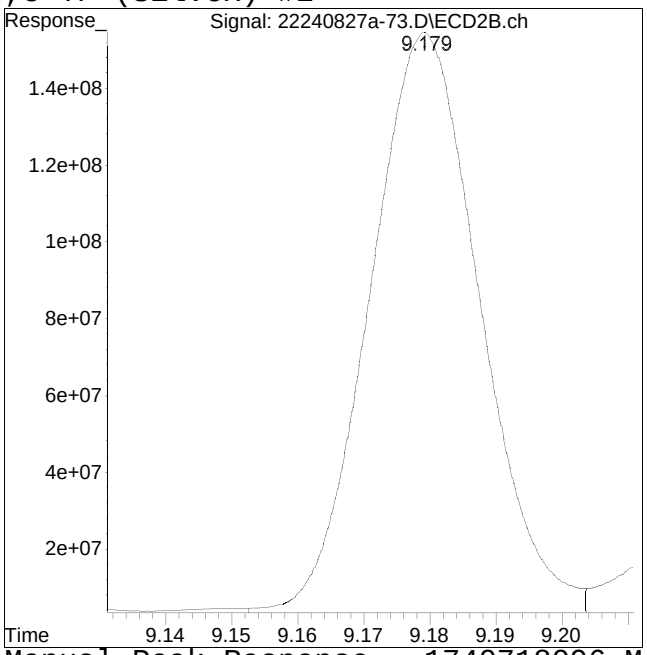
Original Peak Response = 1808212532 Manual Peak Response = 1595404833 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #22: 2,4,5-TP (Silvex) #2



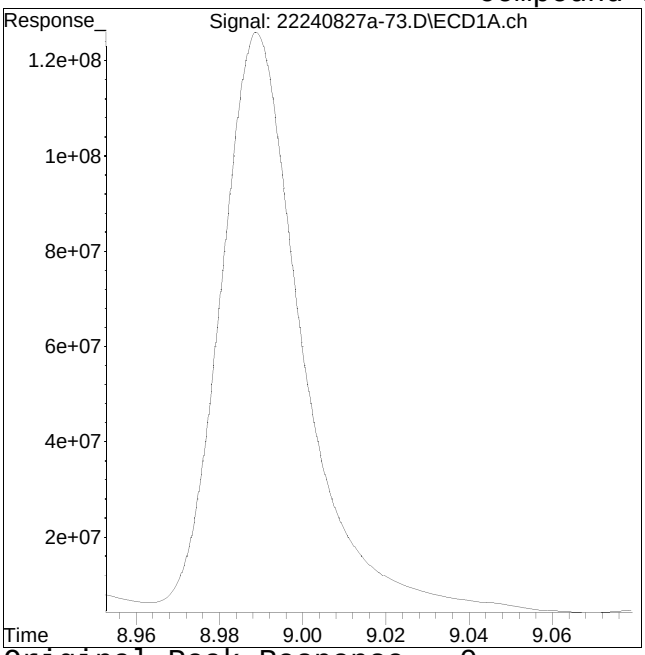


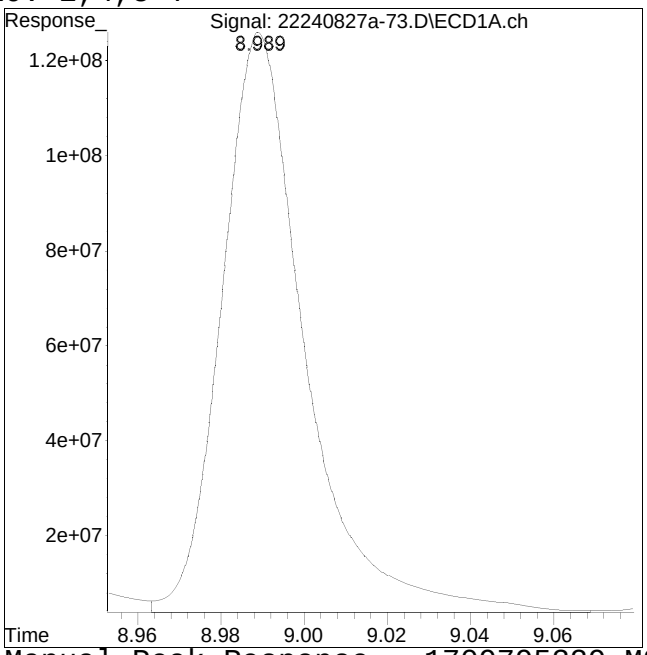
Original Peak Response = 1807917973 Manual Peak Response = 1740718096 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #10: 2,4,5-T



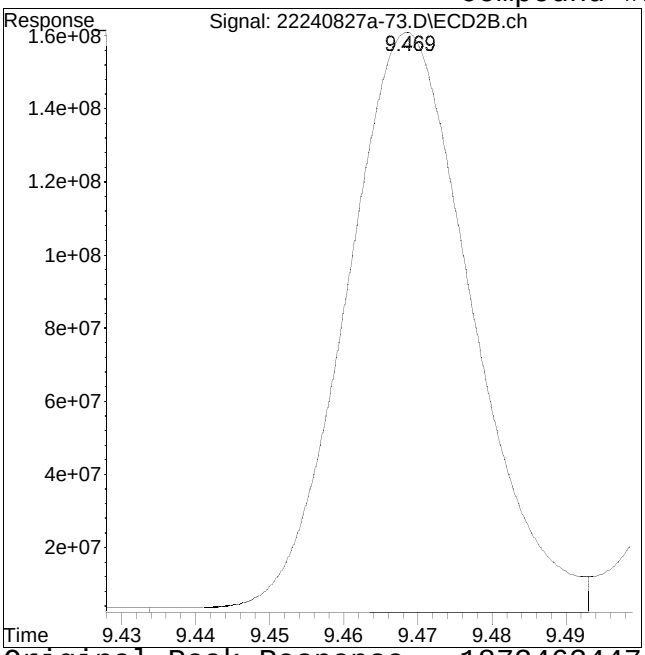


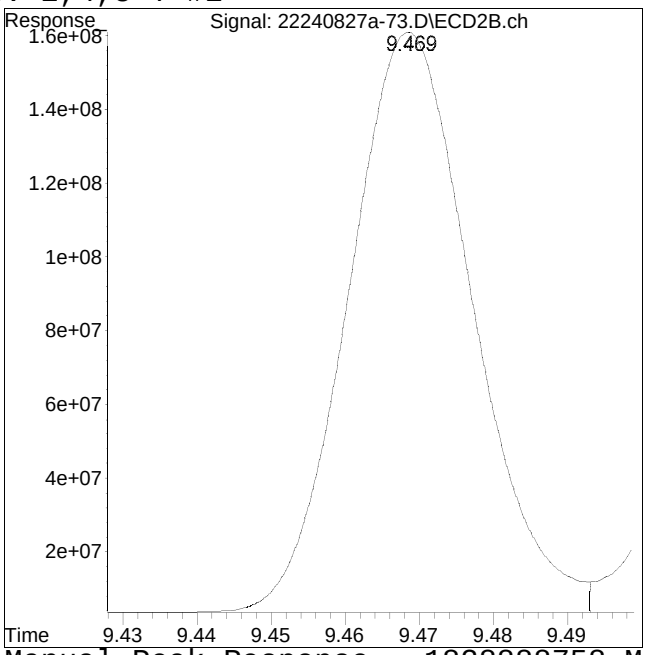
Original Peak Response = 0 Manual Peak Response = 1709795329 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 1873463447 Manual Peak Response = 1828888758 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:49
Operator : PEST17:jag
Sample : WG1963640-3,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:06 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.399	539.7E6	509.3E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 668945640				Recovery =	80.69%	
	Standard Area 1 : #2 = 630488988				Recovery =	80.77%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.858	7.320	193.2E6	226.5E6	0.545M4	0.545M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	109.00%	109.00%
	Target Compounds						
8) t	2,4-D	7.961	8.440	237.1E6	259.4E6	0.626	0.554
9) t	2,4,5-TP (Si	8.687	9.102	872.2E6	827.1E6	0.611M4	0.492M4
10) t	2,4,5-T	8.908	9.395	856.9E6	820.4E6	0.654M4	0.509M4

SemiQuant Compounds - Not Calibrated on this Instrument

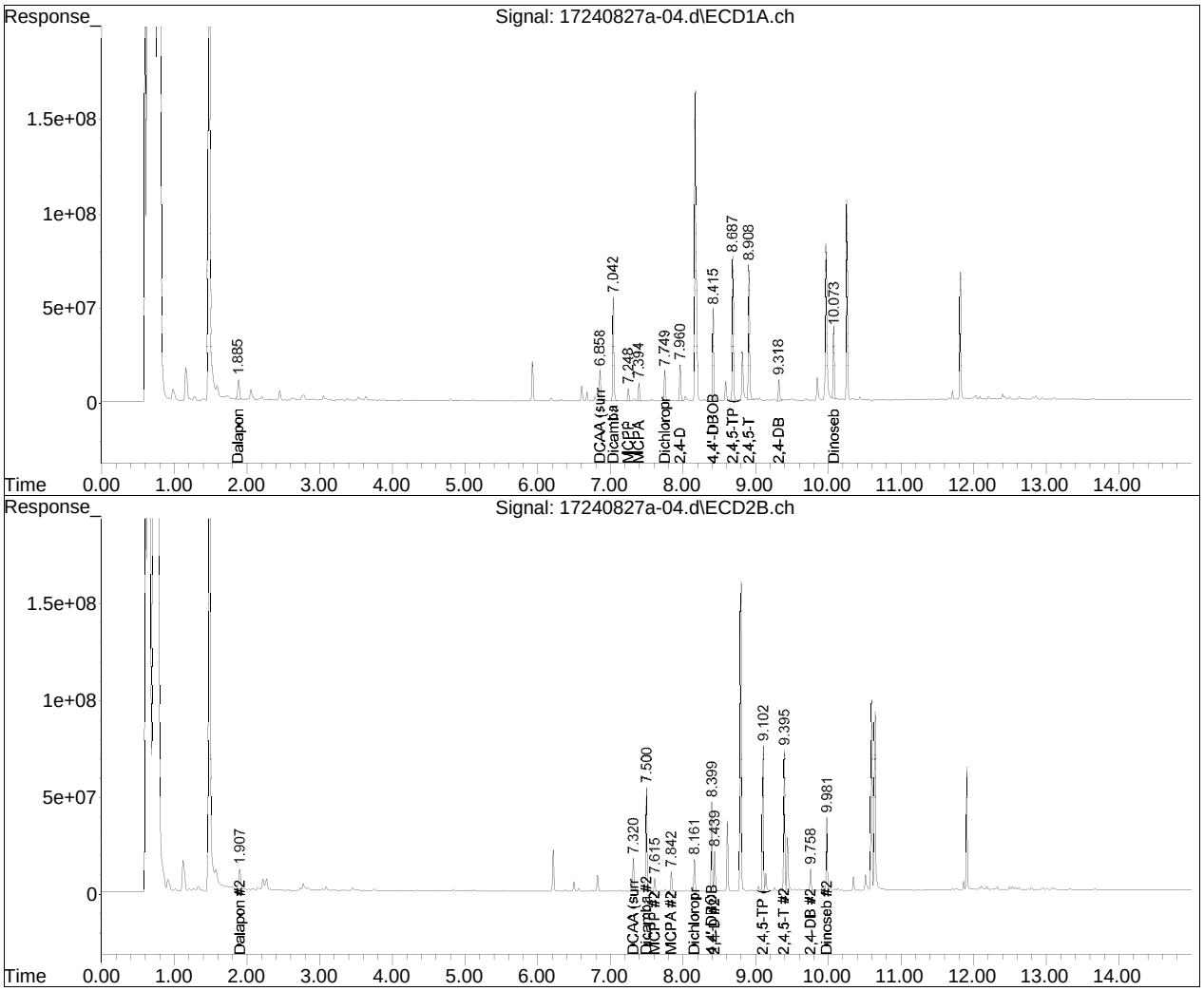
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:49
Operator : PEST17:jag
Sample : WG1963640-3,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:06 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

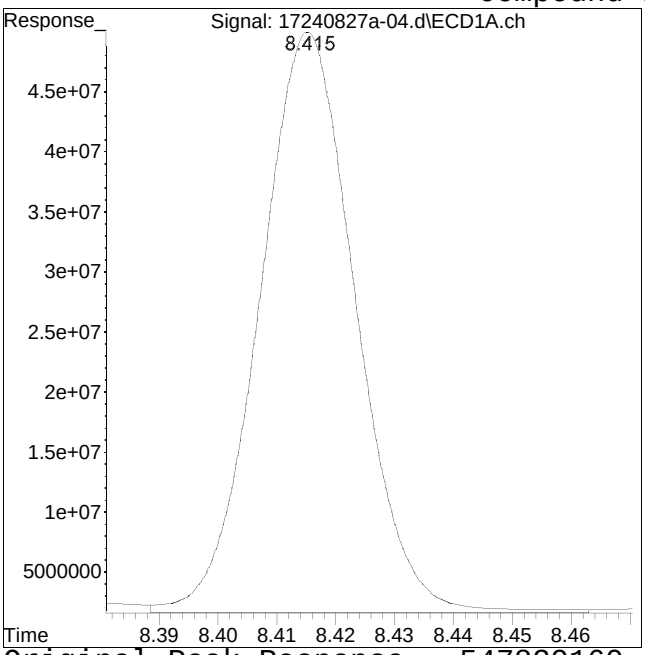
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

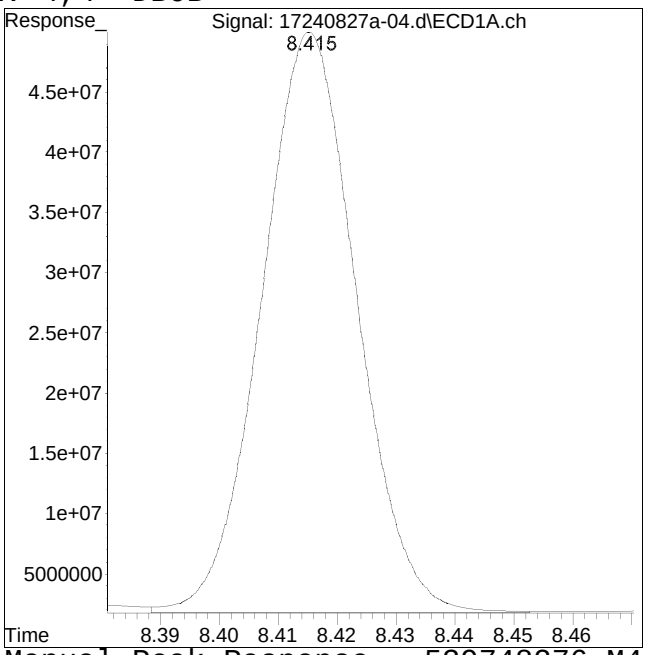


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



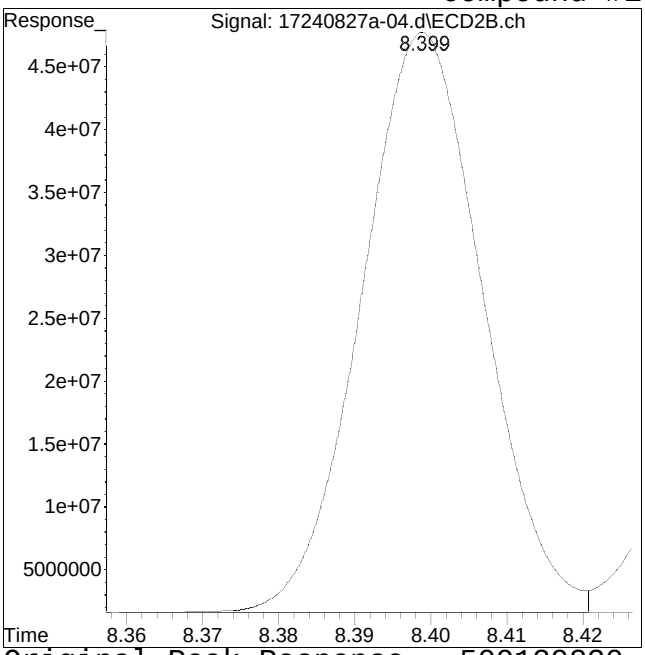


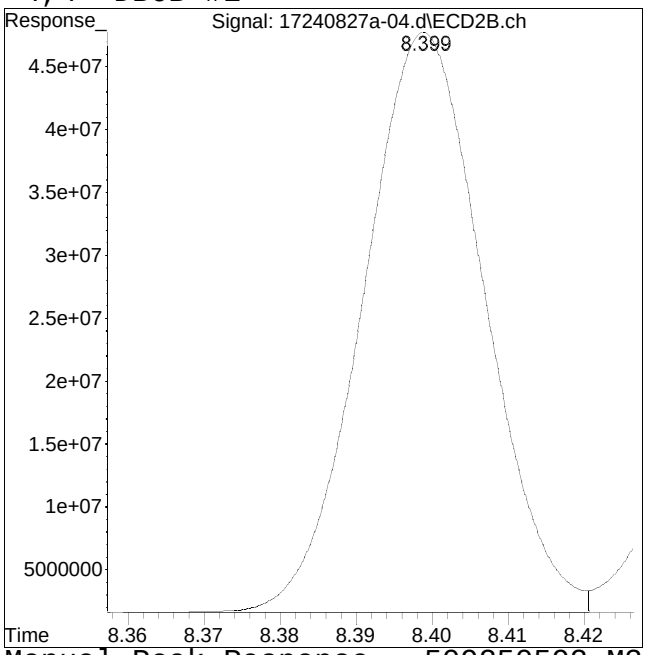
Original Peak Response = 547829160 Manual Peak Response = 539748276 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



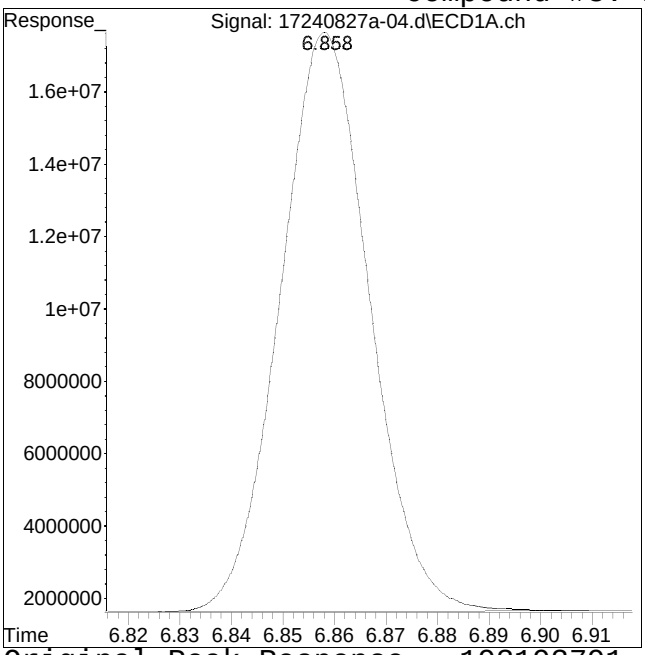


Original Peak Response = 509129230 Manual Peak Response = 509250592 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

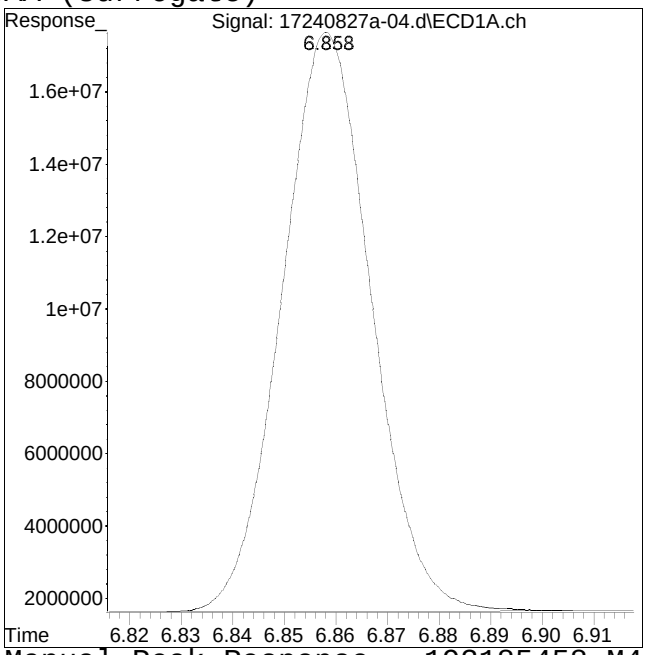
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 193193791



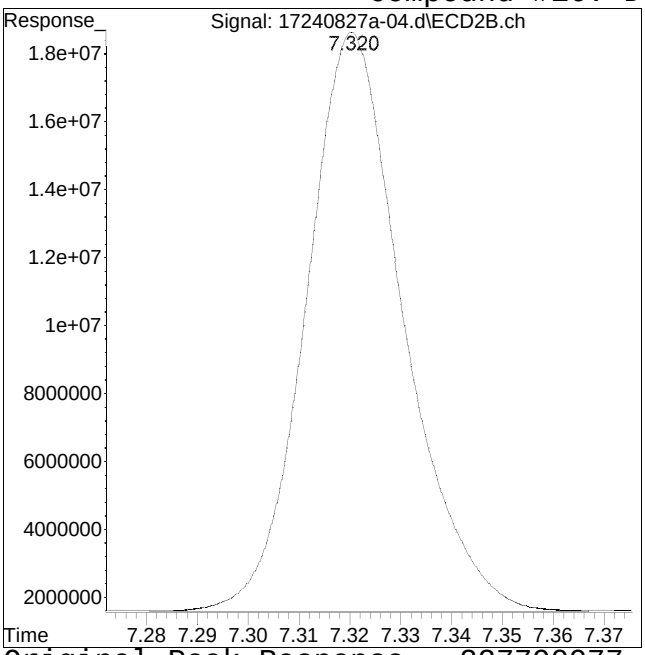
Manual Peak Response = 193185458 M4

M4 = Poor automated baseline construction.

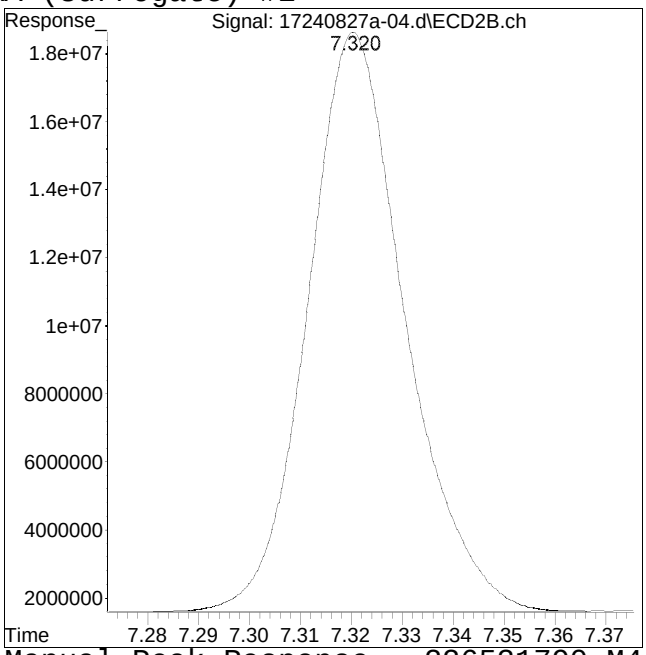
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 227790977



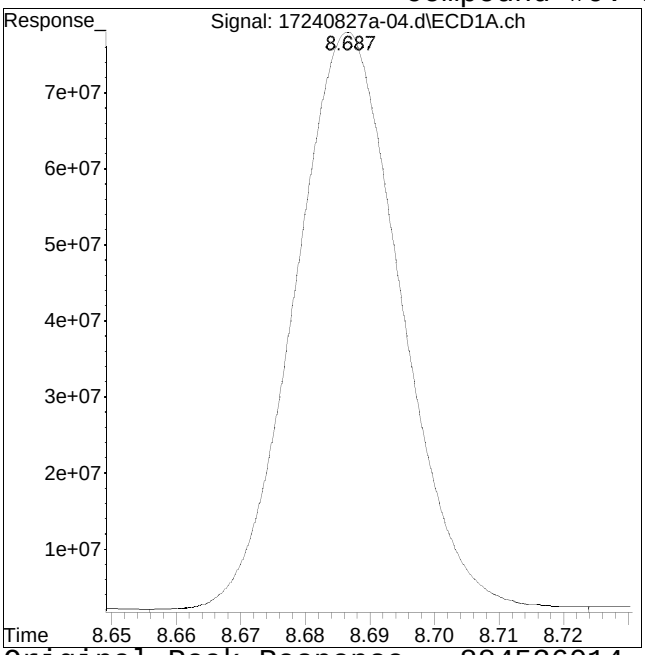
Manual Peak Response = 226531790 M4

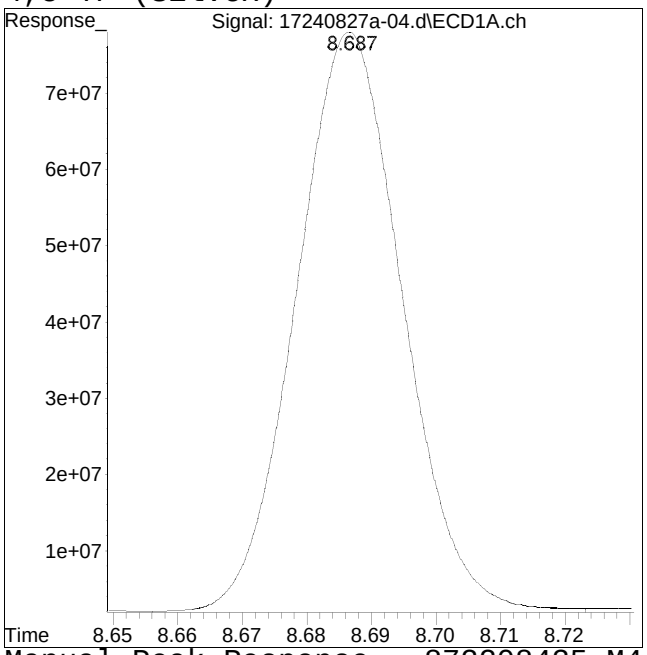
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



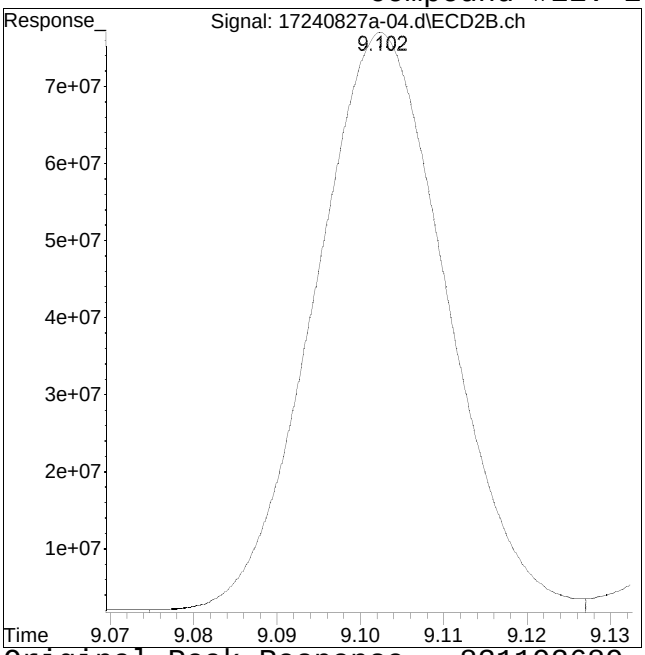


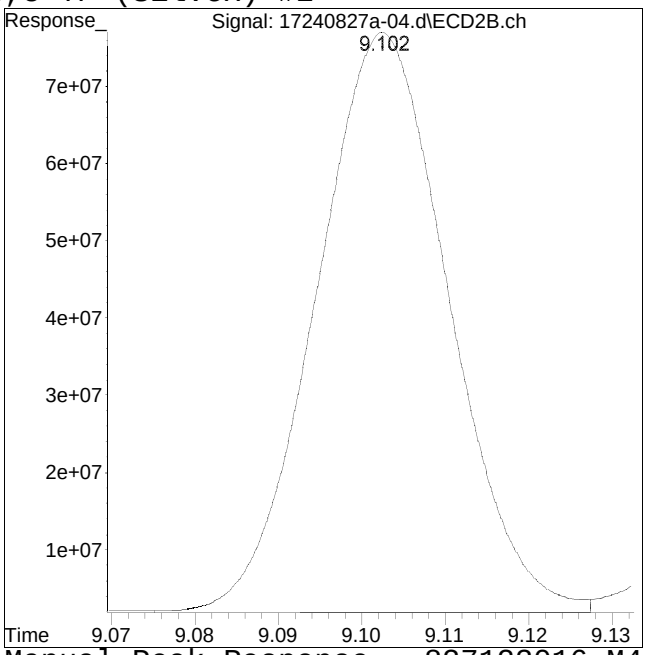
Original Peak Response = 884526014 Manual Peak Response = 872208435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



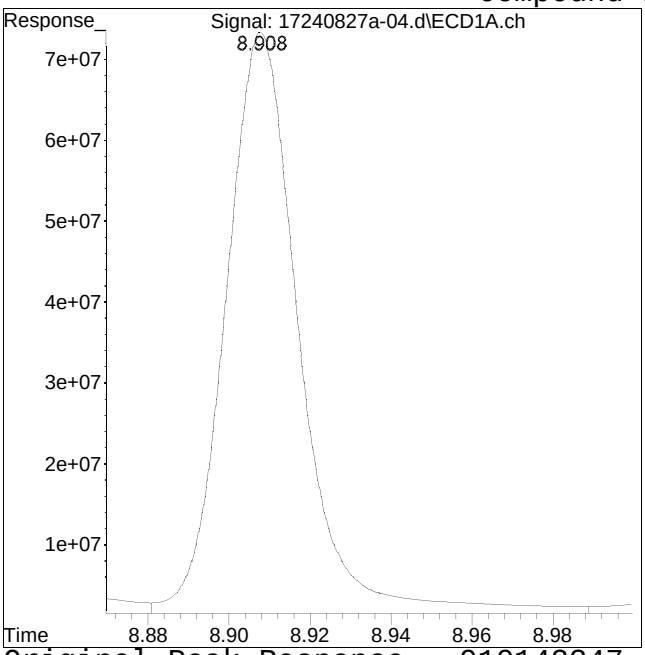


Original Peak Response = 831192689 Manual Peak Response = 827123016 M4
M4 = Poor automated baseline construction.

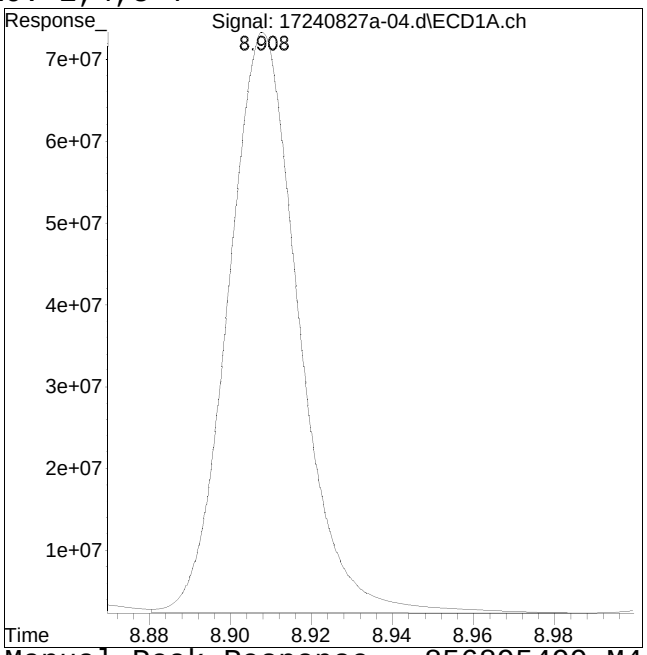
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



Original Peak Response = 910142347



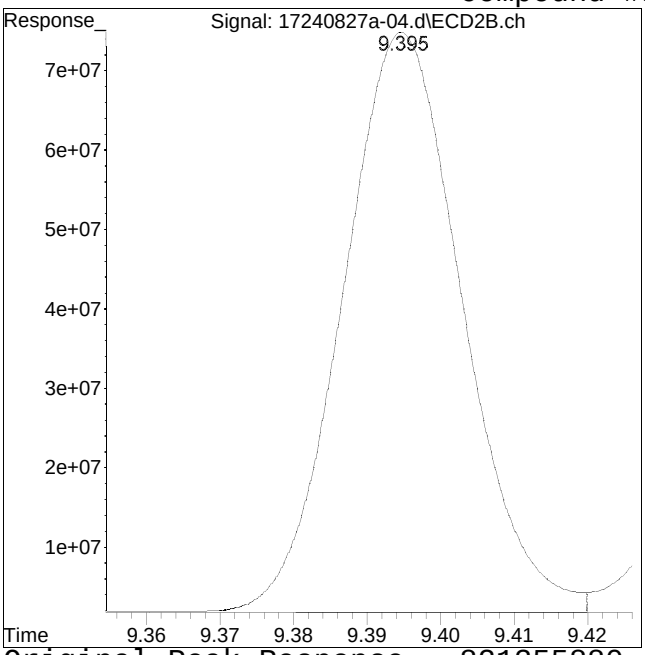
Manual Peak Response = 856895499 M4

M4 = Poor automated baseline construction.

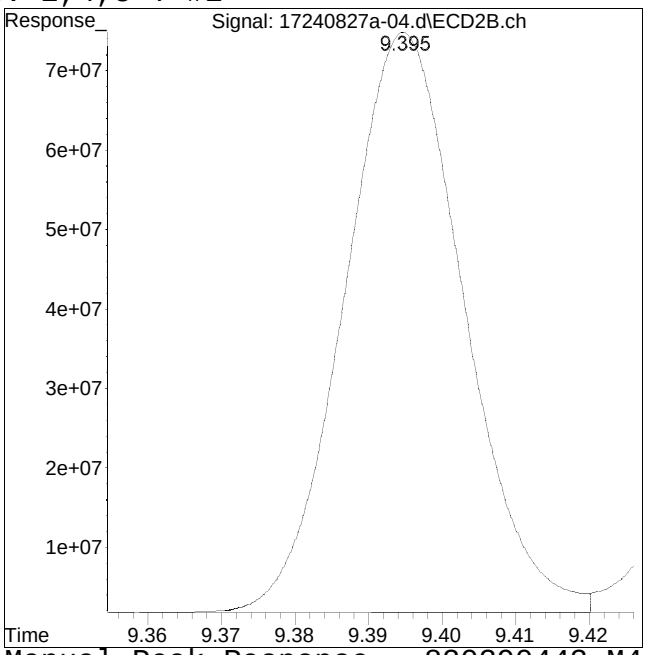
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #23: 2,4,5-T #2



Original Peak Response = 821355880



Manual Peak Response = 820390443 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-74.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:17
Operator : pest22:mmg
Sample : WG1964244-3,42,, 4244 (Sig #1); WG1964243-3,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:30 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	878.8E6	1007.1E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1243823131				Recovery =	70.66%	
Standard Area 1 : #2 = 1444515032				Recovery =	69.72%	
System Monitoring Compounds						
3) s DCAA (surrog	6.950	7.409	365.8E6	555.2E6	0.536M3	0.709M3
Spiked Amount	0.500	Range 30 - 150		Recovery =	107.20%	141.80%
Target Compounds						
8) t 2,4-D	8.051f	8.522	460.0E6	587.8E6	0.604M2	0.705
9) t 2,4,5-TP (Si	8.766f	9.179	1688.4E6	1790.2E6	0.596M4	0.546M4
10) t 2,4,5-T	8.989f	9.469	1731.1E6	1891.1E6	0.607M2	0.606M4
SemiQuant Compounds - Not Calibrated on this Instrument						

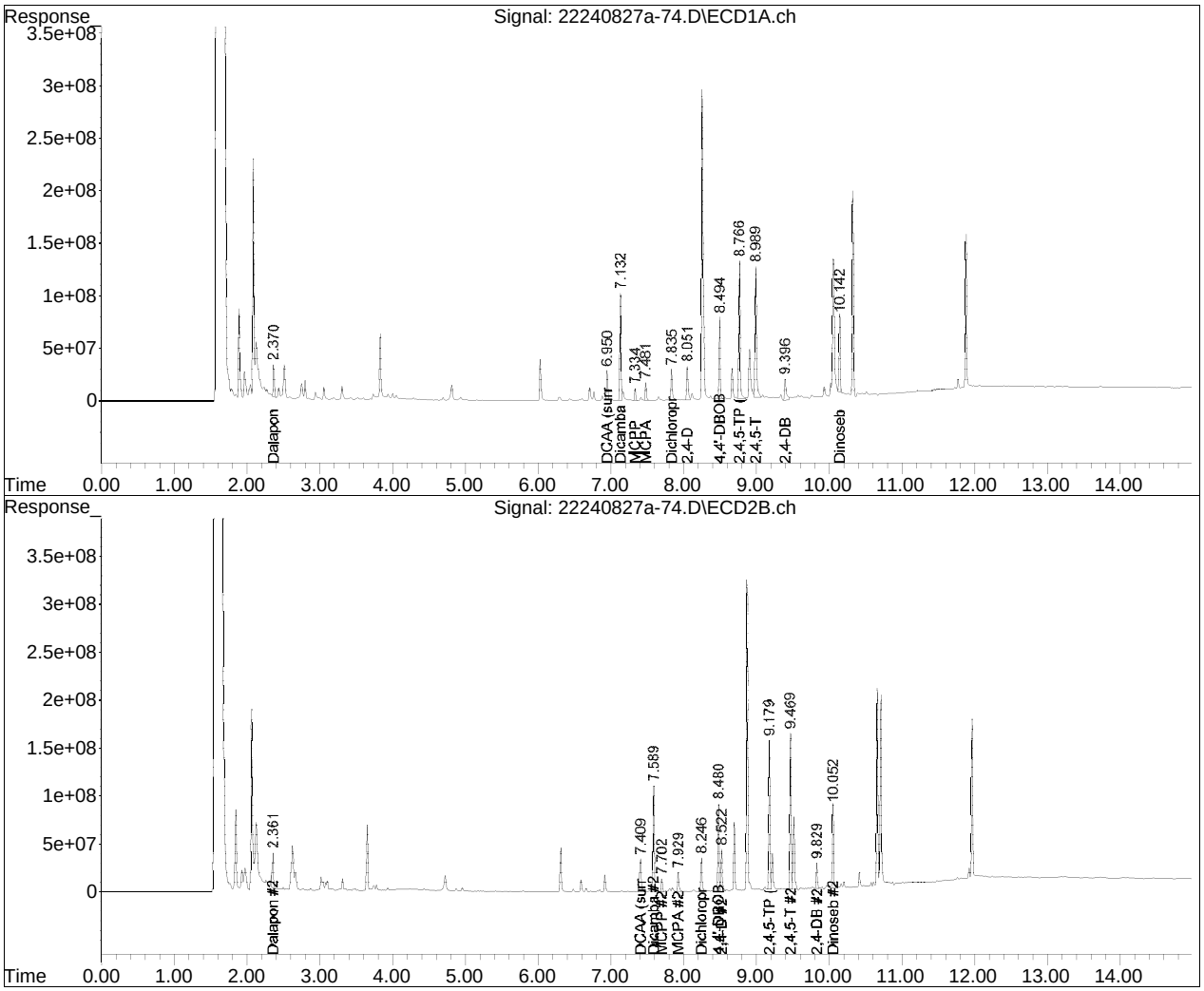
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-74.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:17
Operator : pest22:mmg
Sample : WG1964244-3,42,, 4244 (Sig #1); WG1964243-3,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:30 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

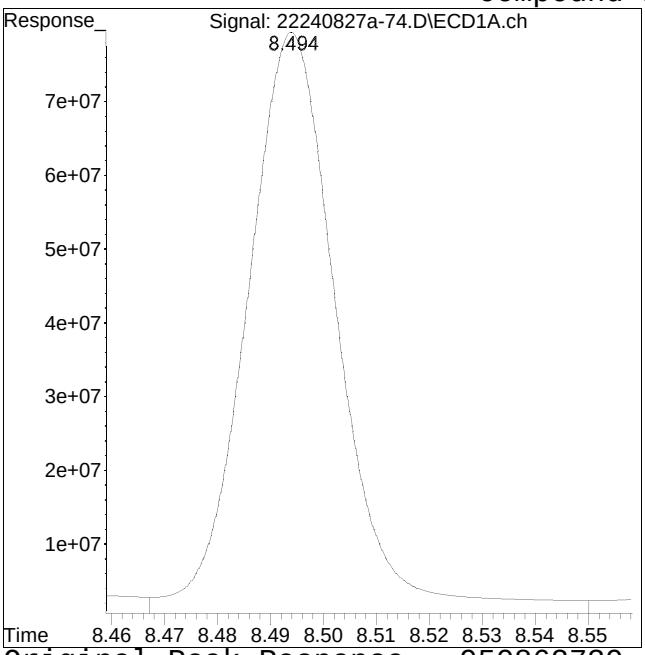
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



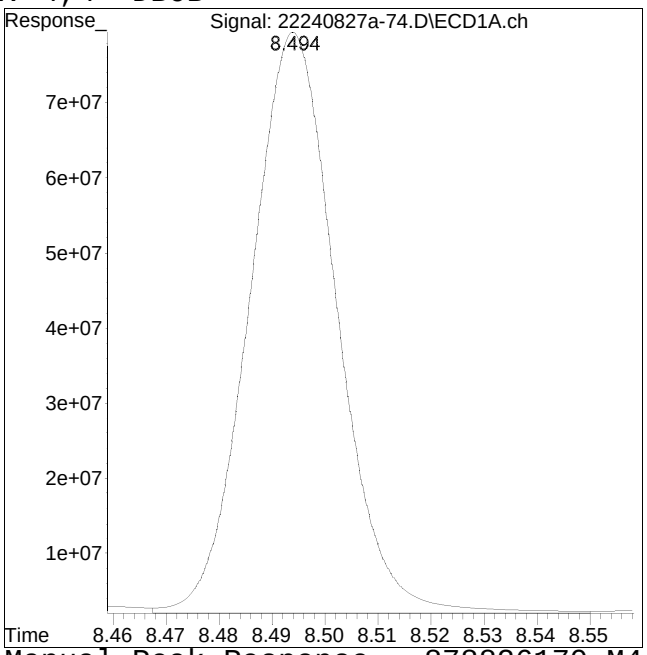
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 950862739



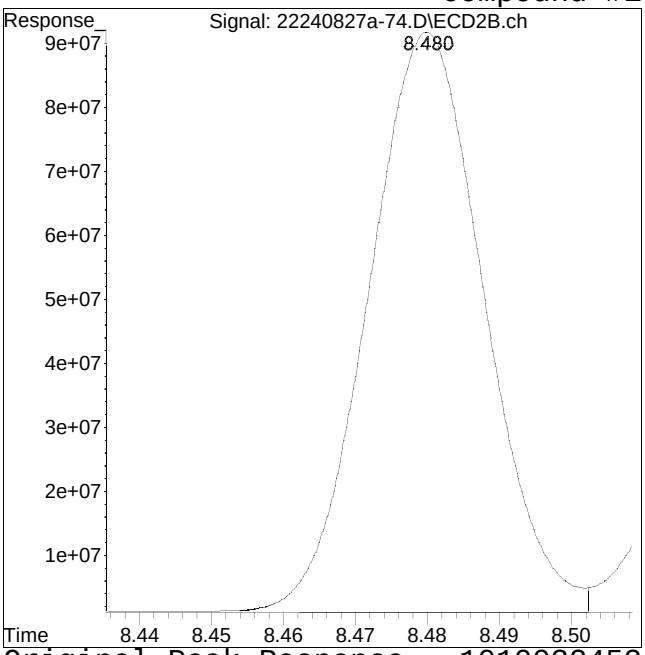
Manual Peak Response = 878826170 M4

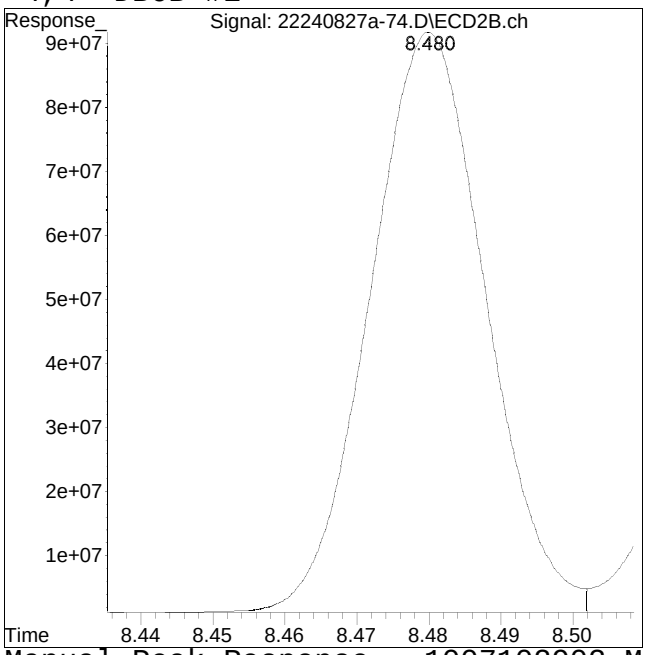
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



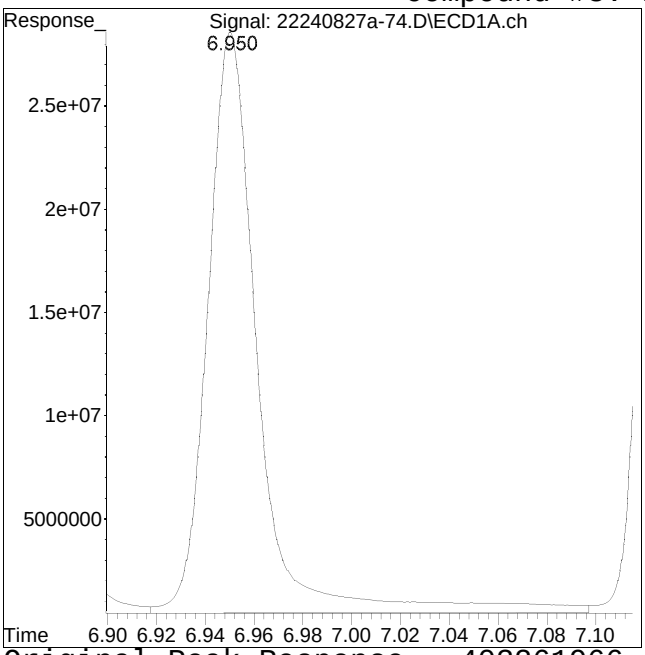


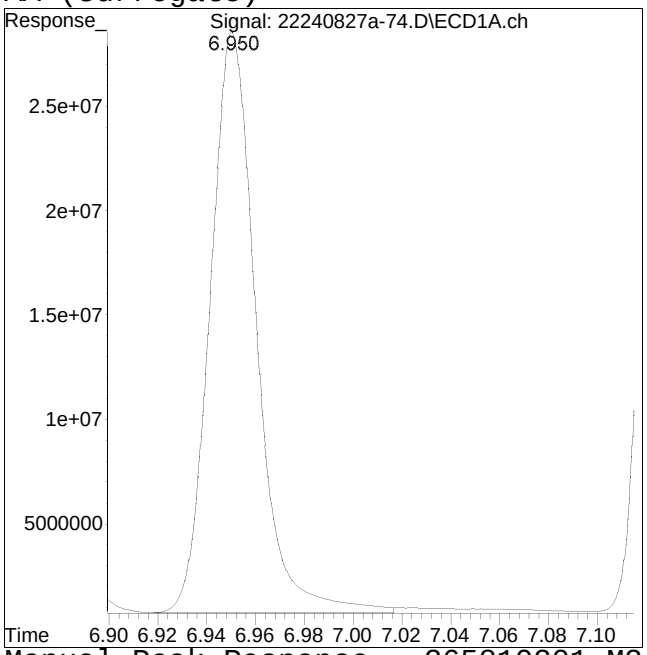
Original Peak Response = 1010032453 Manual Peak Response = 1007102902 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



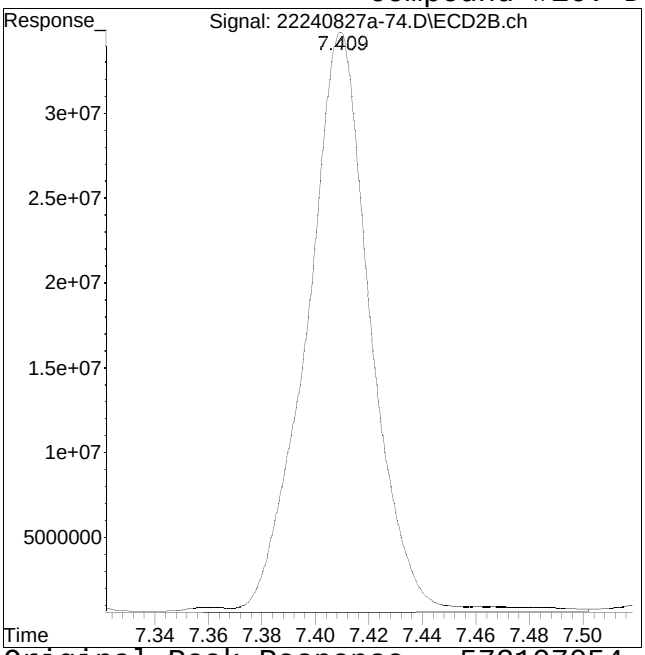


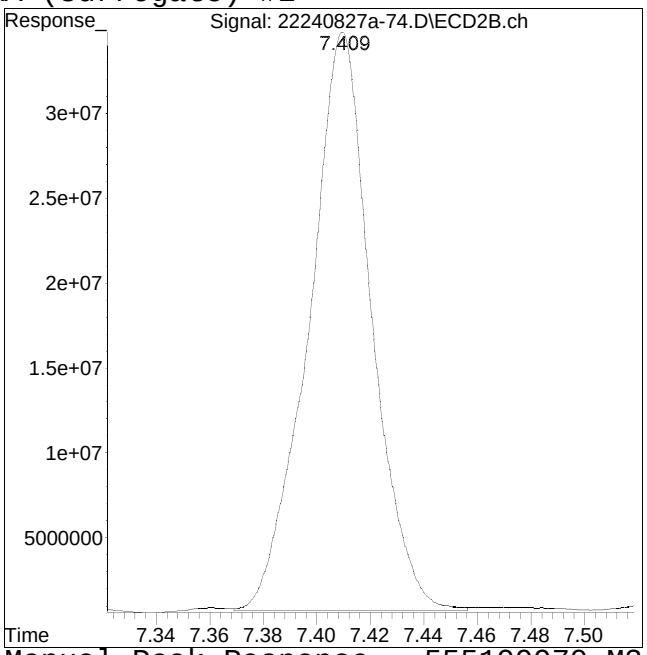
Original Peak Response = 403261966 Manual Peak Response = 365810201 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2



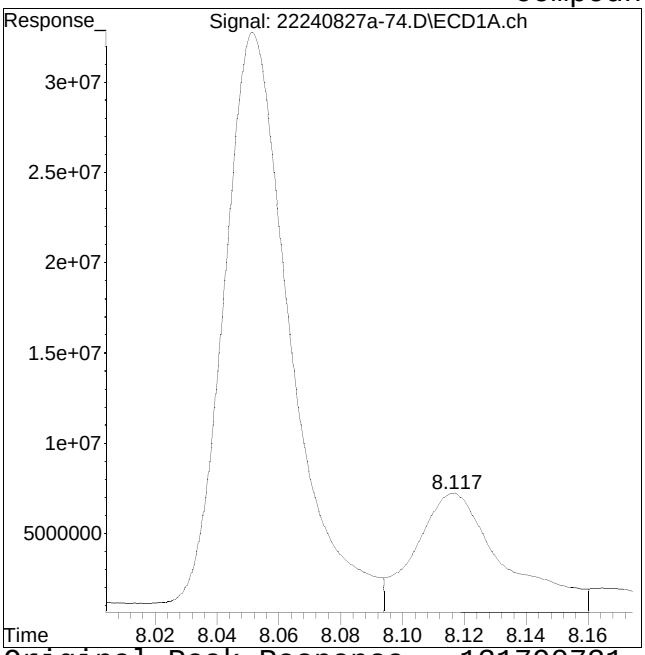


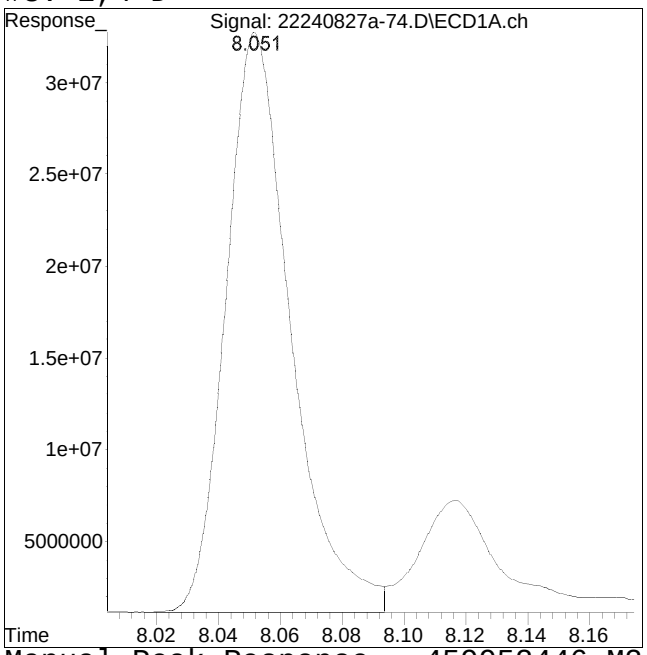
Original Peak Response = 573107054 Manual Peak Response = 555199970 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #8: 2,4-D



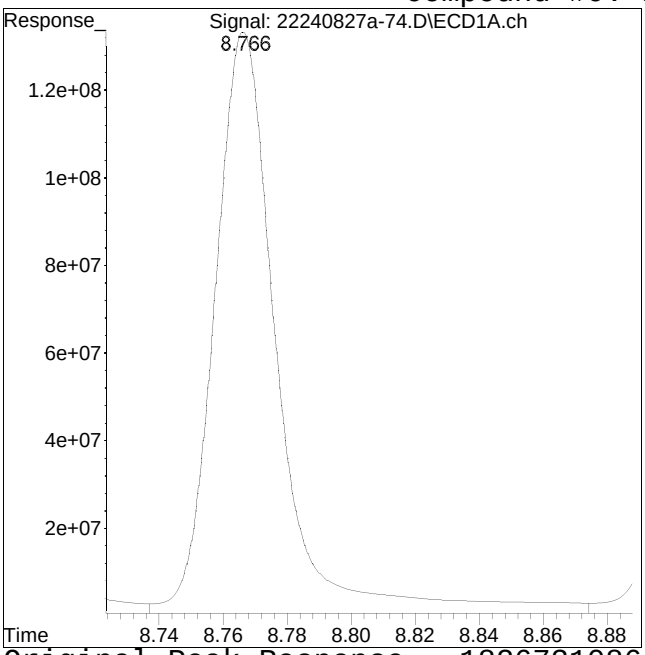


Original Peak Response = 131790731 Manual Peak Response = 459952446 M2
M2 = Peak not found by automatic integration algorithm.

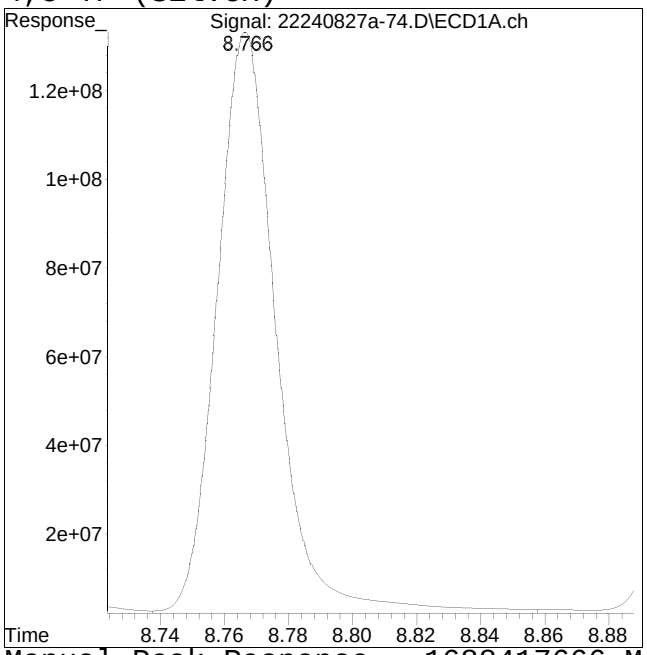
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 1826731086

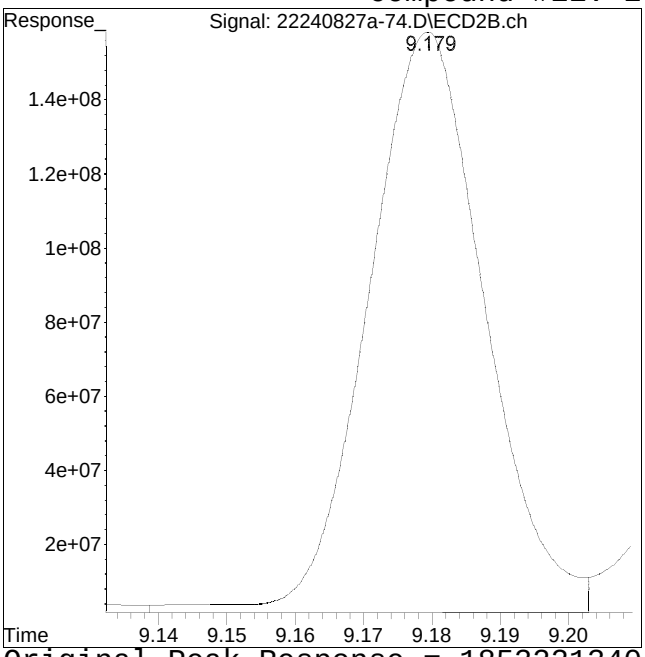


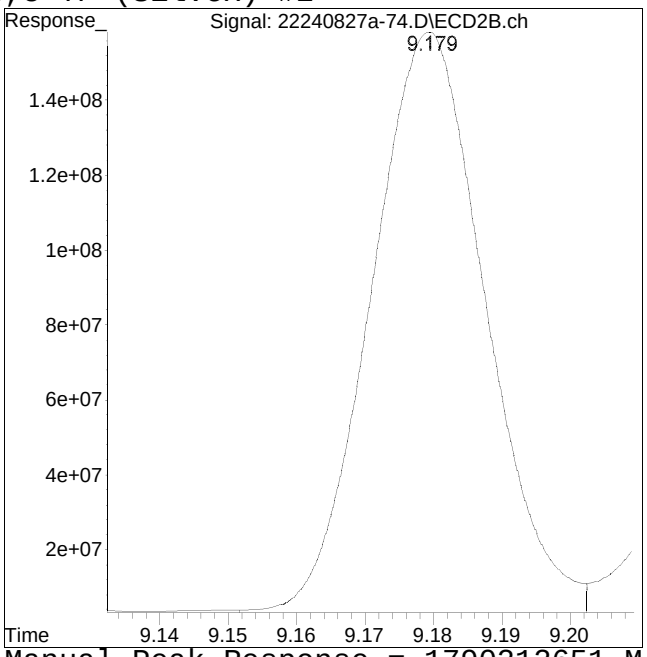
Manual Peak Response = 1688417666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #22: 2,4,5-TP (Silvex) #2



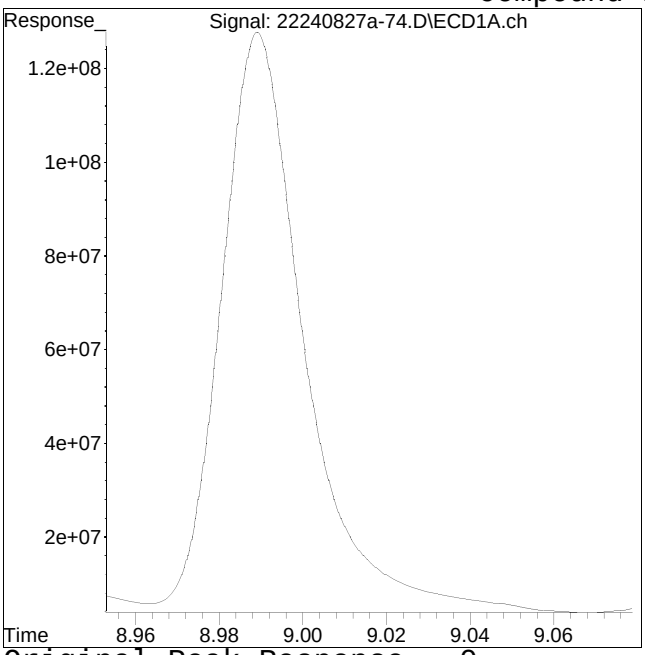


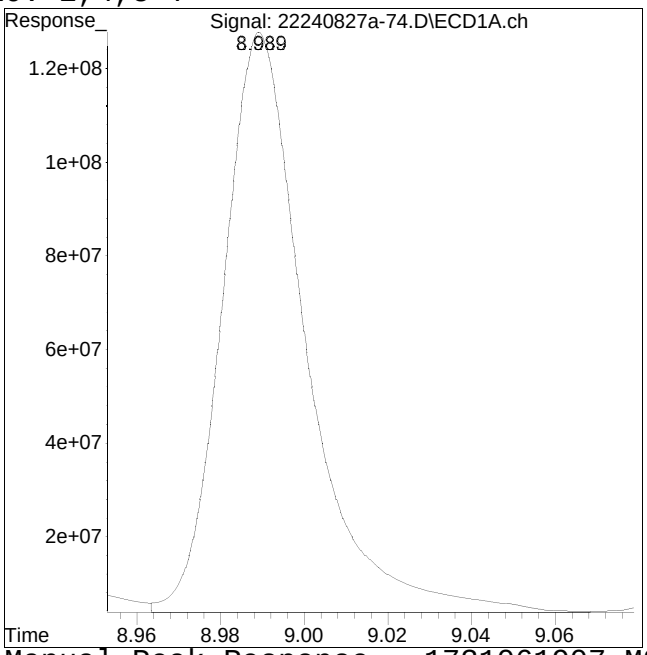
Original Peak Response = 1853221340 Manual Peak Response = 1790212651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #10: 2,4,5-T



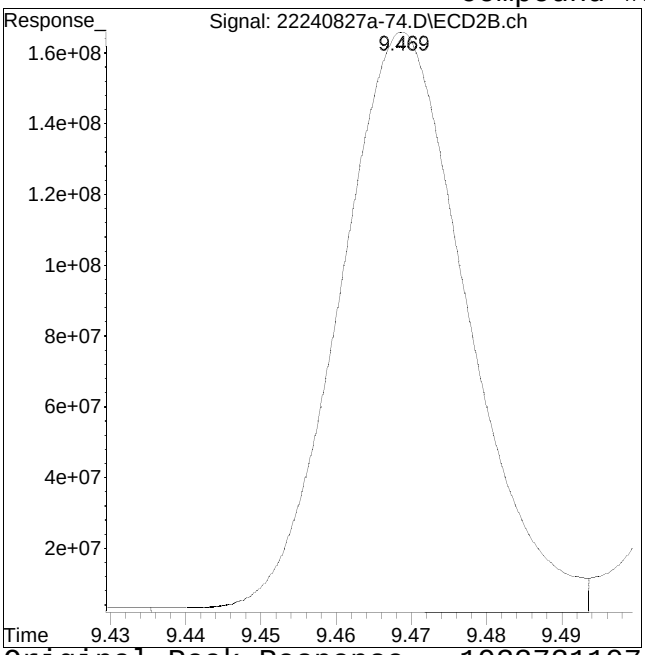


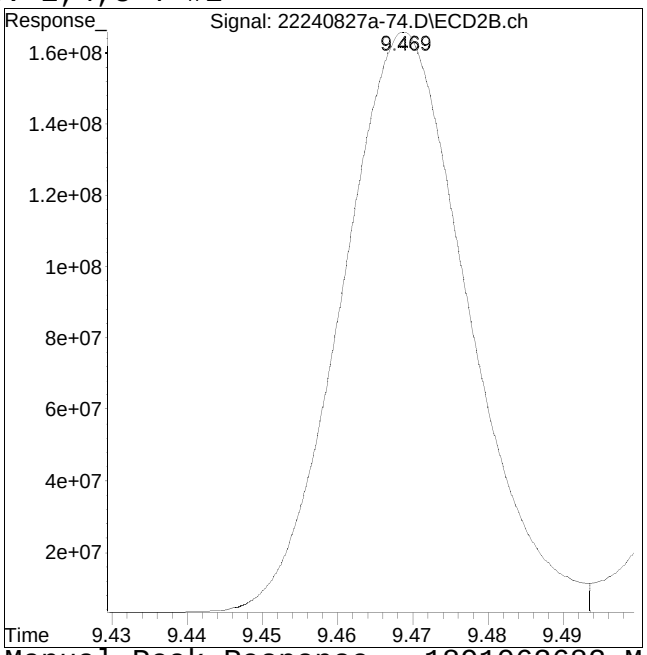
Original Peak Response = 0 Manual Peak Response = 1731061907 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 1933731107 Manual Peak Response = 1891063682 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:21
Operator : PEST17:mmg
Sample : WG1963640-4,42,, ms
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:49 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.414	8.399	589.1E6	557.2E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 663419847				Recovery =	88.80%	
	Standard Area 1 : #2 = 625217248				Recovery =	89.12%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.858	7.319	207.9E6	307.4E6	0.537	0.676M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	107.40%	135.20%
	Target Compounds						
8) t	2,4-D	7.960	8.439	266.6E6	283.3E6	0.644	0.553M4
9) t	2,4,5-TP (Si	8.686f	9.103	956.8E6	895.5E6	0.614M3	0.487M4
10) t	2,4,5-T	8.907f	9.395f	955.8E6	912.5E6	0.668M4	0.518M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

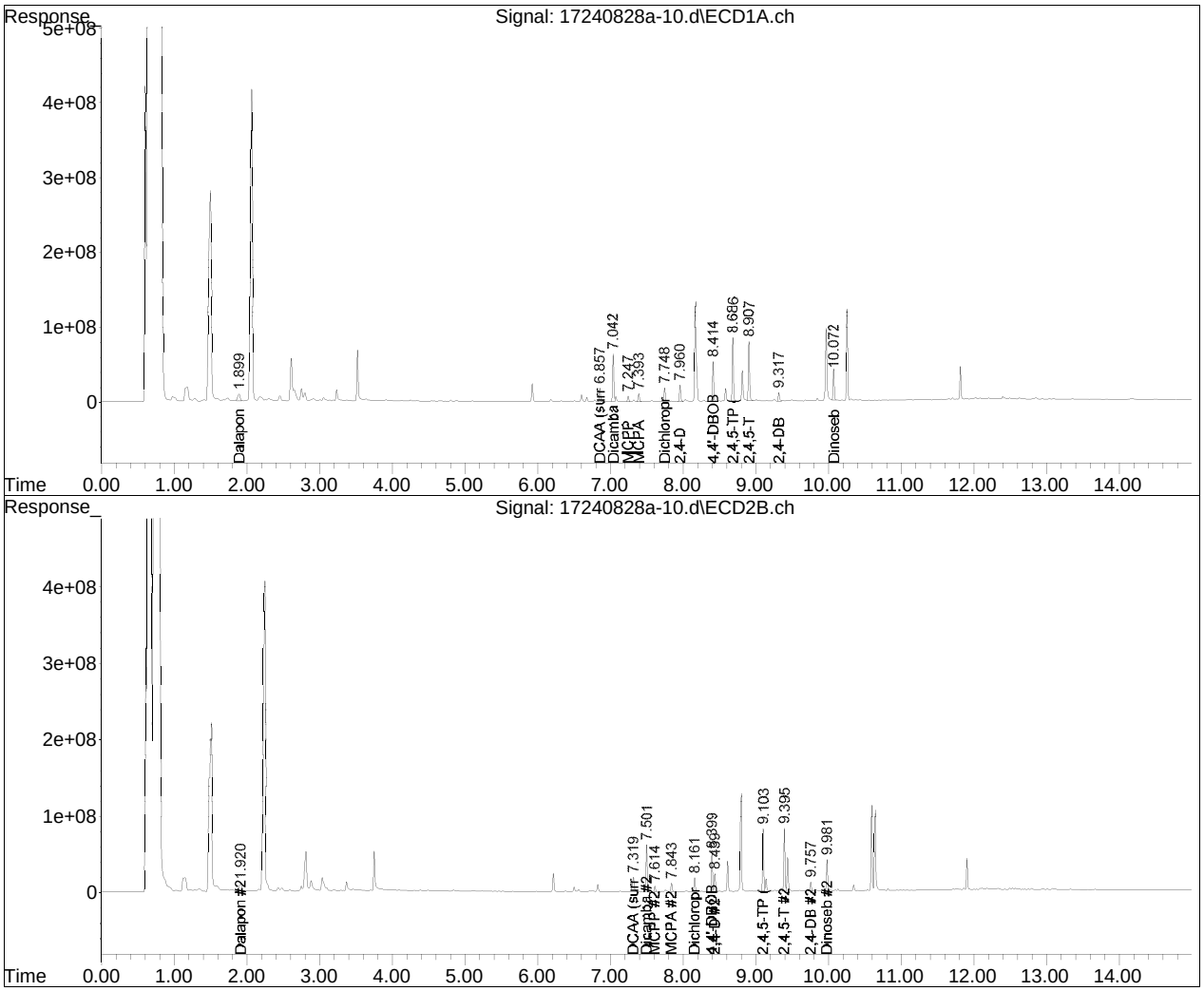
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:21
Operator : PEST17:mmg
Sample : WG1963640-4,42,, ms
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:49 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

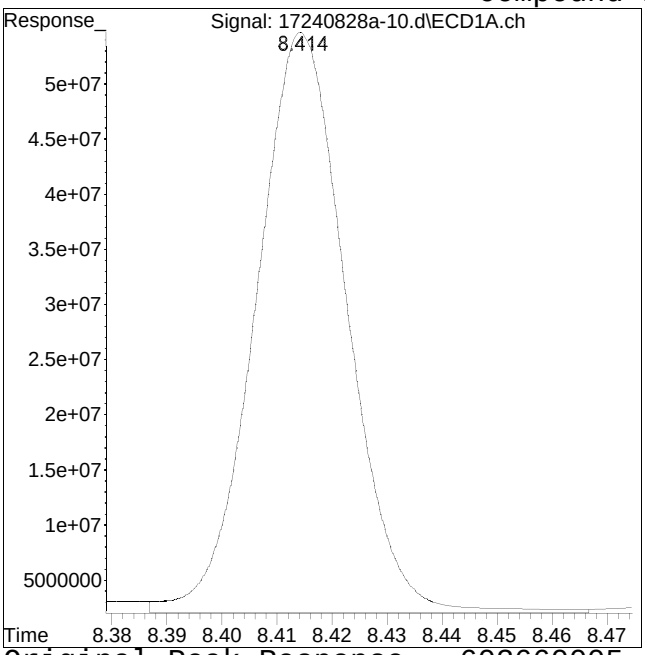
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

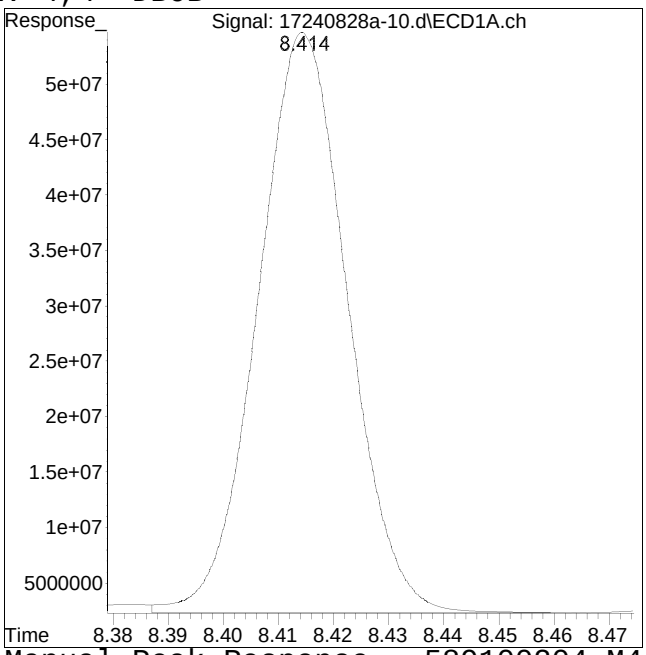


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



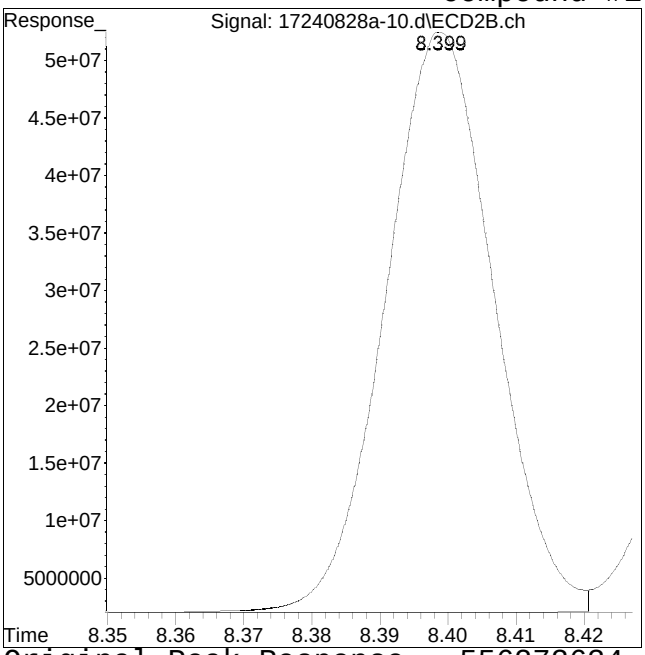


Original Peak Response = 603660005 Manual Peak Response = 589100204 M4
M4 = Poor automated baseline construction.

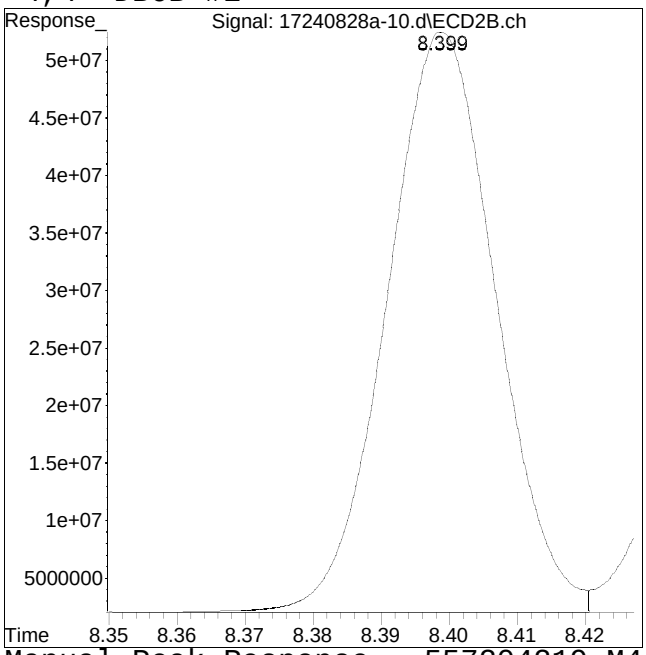
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 556272634



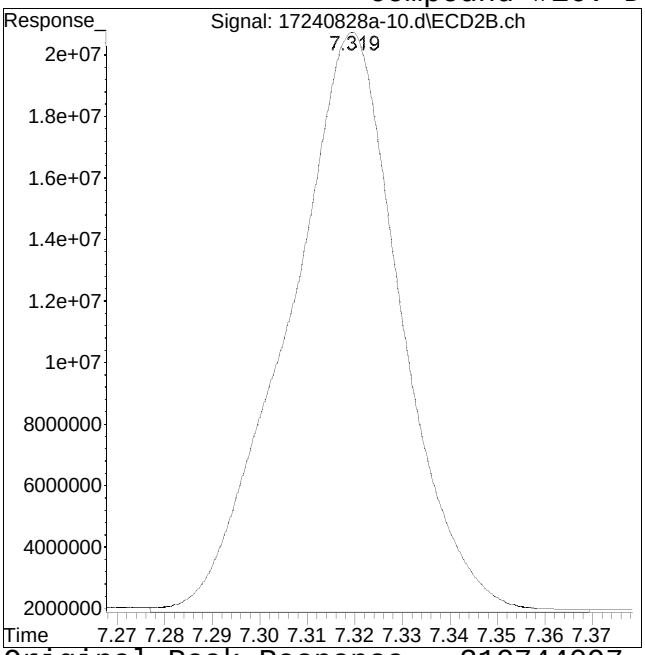
Manual Peak Response = 557204219 M4

M4 = Poor automated baseline construction.

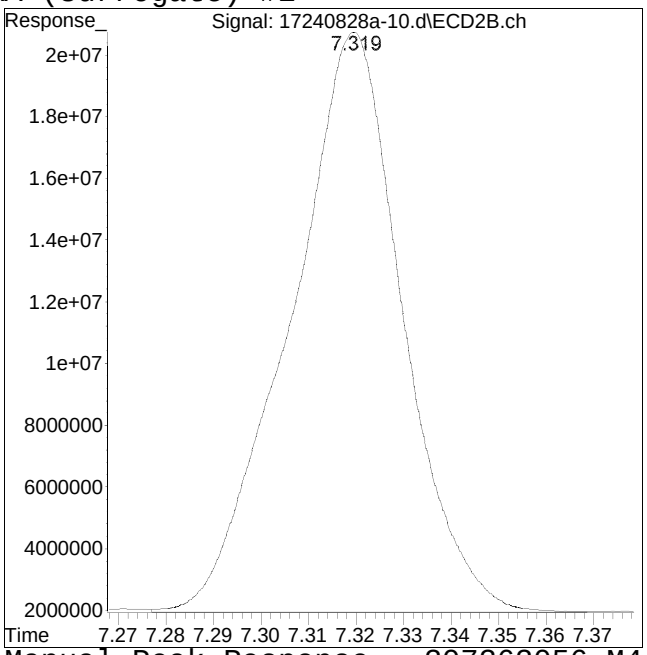
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 310744097



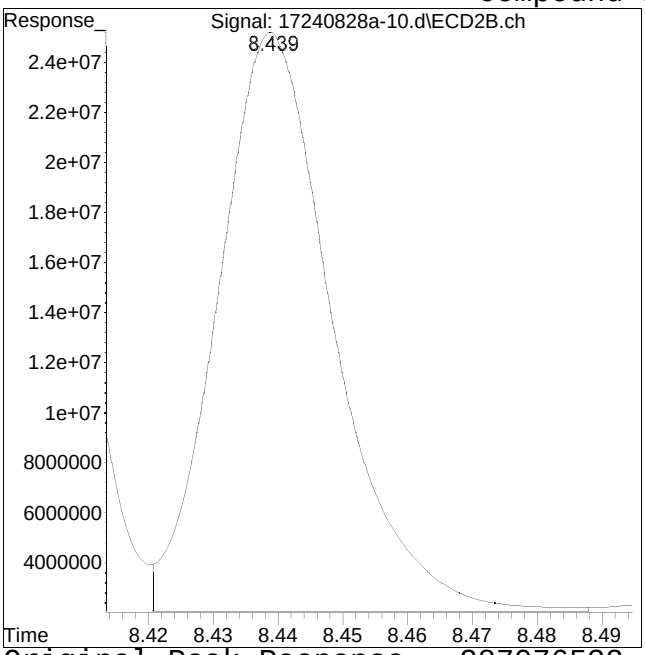
Manual Peak Response = 307363056 M4

M4 = Poor automated baseline construction.

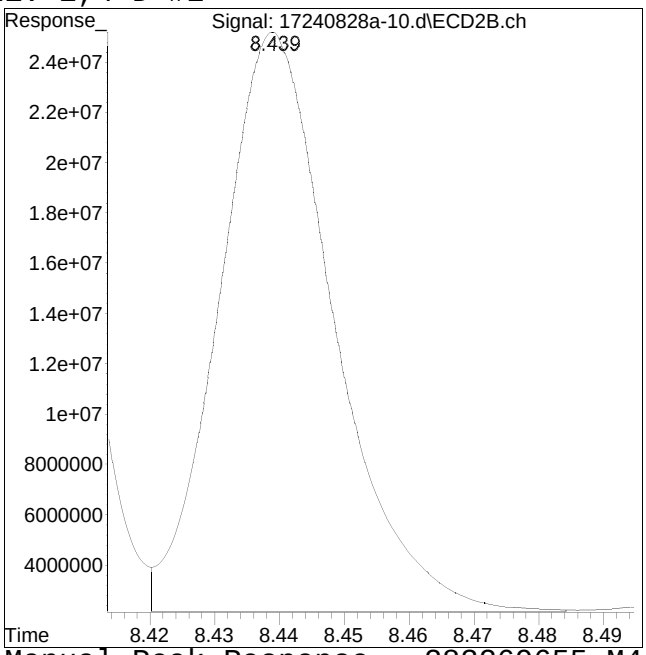
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #21: 2,4-D #2



Original Peak Response = 287076532



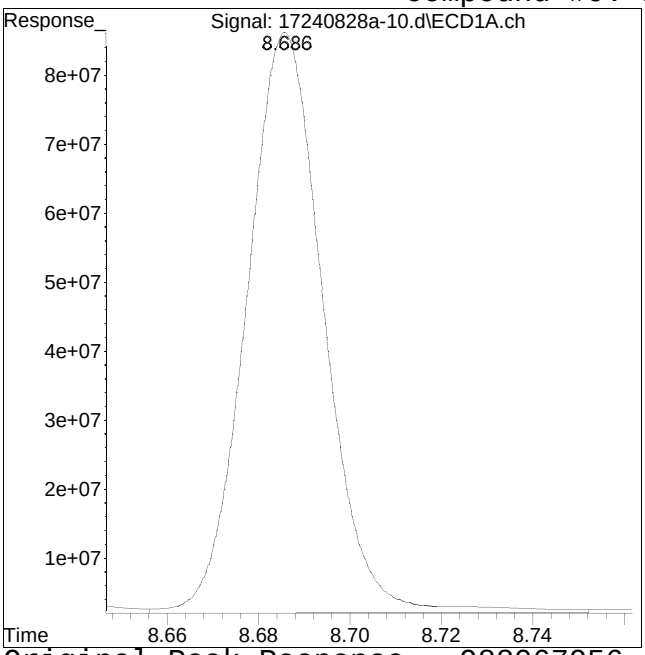
Manual Peak Response = 283269655 M4

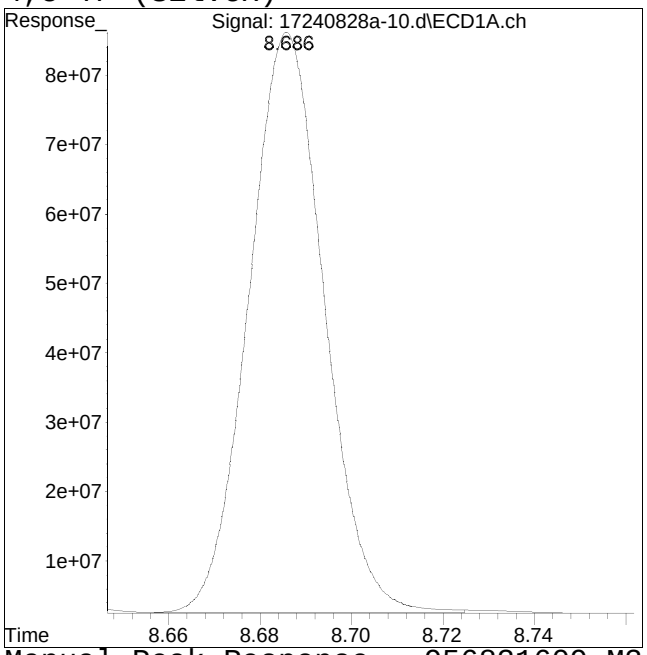
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #9: 2,4,5-TP (Silvex)



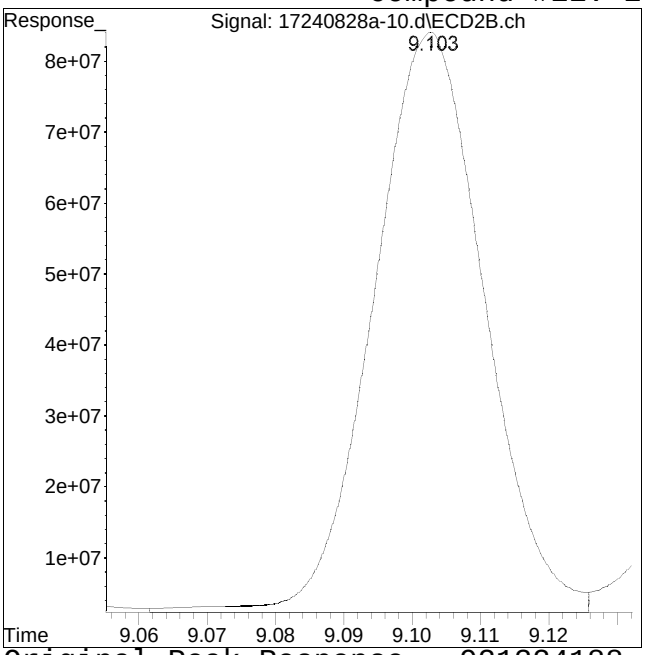


Original Peak Response = 988067956 Manual Peak Response = 956831609 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

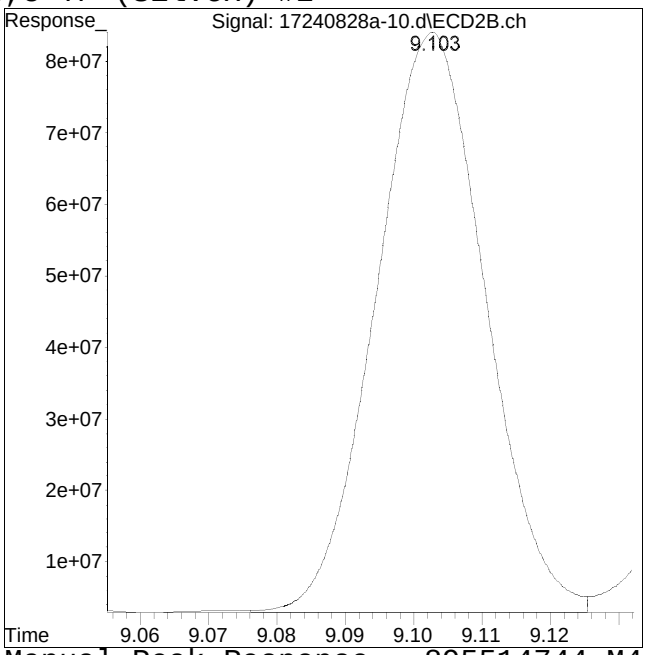
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 921324188



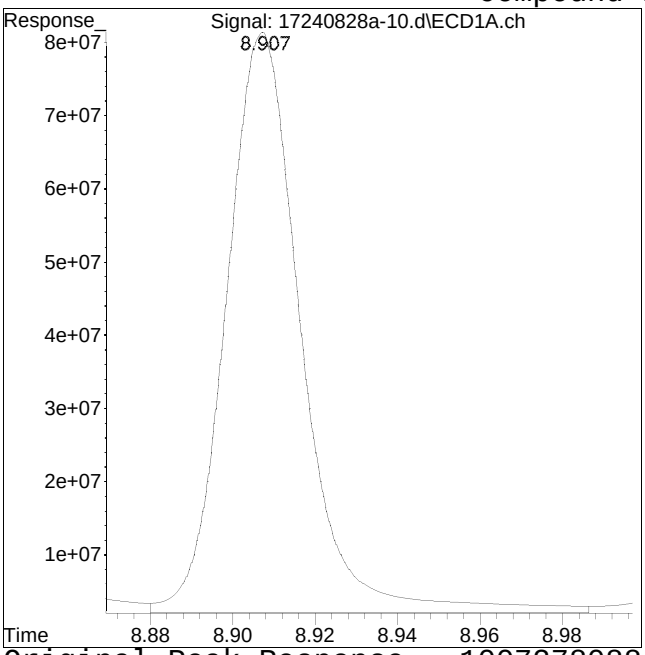
Manual Peak Response = 895514744 M4

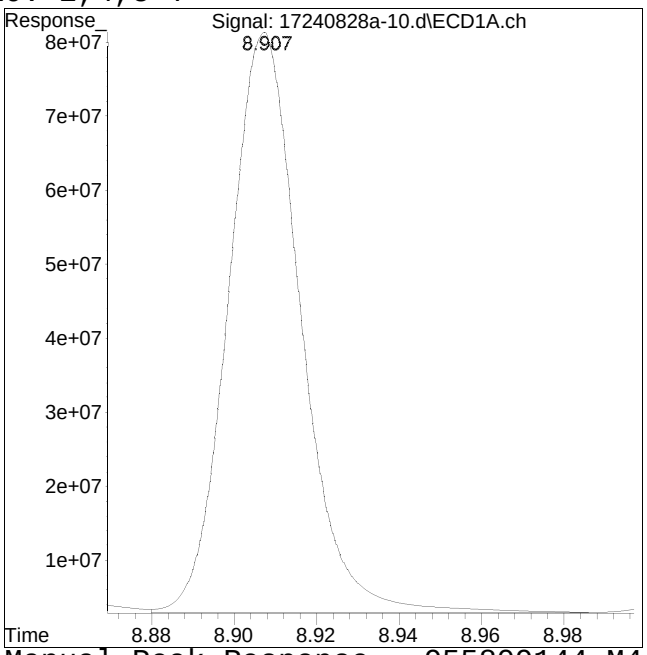
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #10: 2,4,5-T



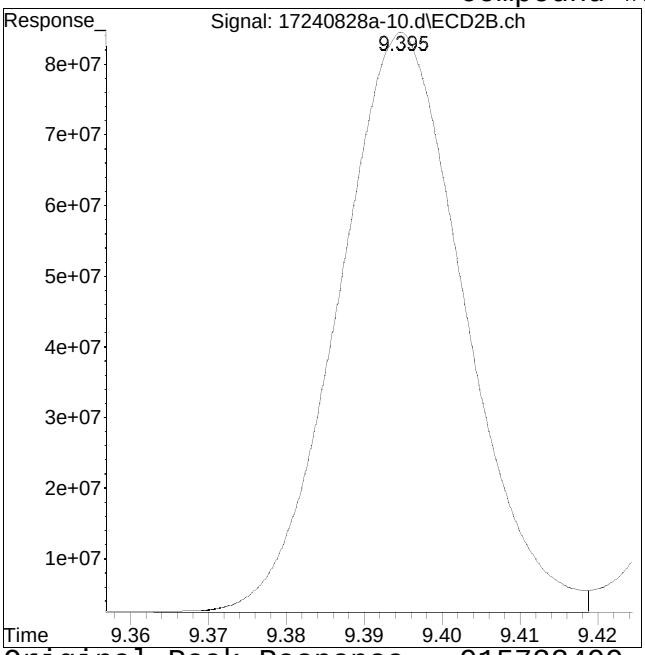


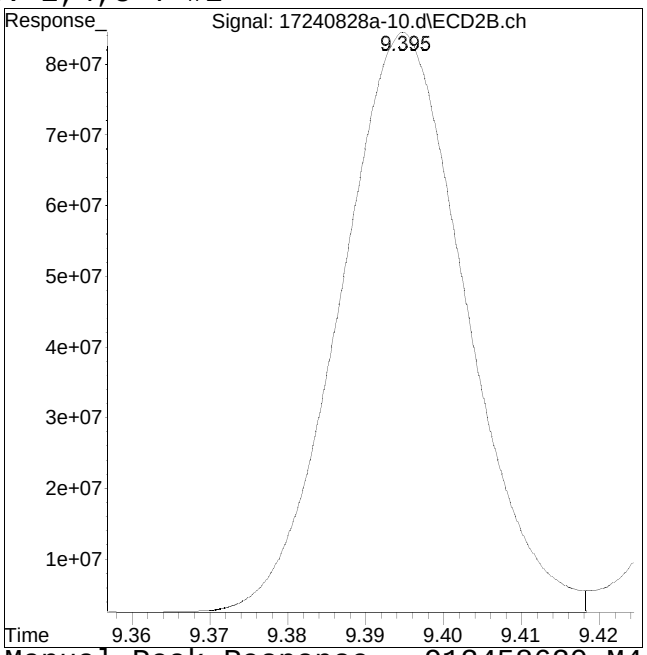
Original Peak Response = 1007278088 Manual Peak Response = 955809144 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-10.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:21 Instrument : Pest 17
Sample : WG1963640-4,42,, ms Quant Date : 8/28/2024 3:43 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 915732499 Manual Peak Response = 912458620 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:39
Operator : PEST17:mmg
Sample : WG1963640-5,42,, msd
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:58 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240828A\17240828a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.400	556.7E6	527.0E6	0.250M4	0.250
	Standard Area 1 : #1 = 663419847				Recovery =	83.92%	
	Standard Area 1 : #2 = 625217248				Recovery =	84.29%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.857	7.321	207.5E6	289.0E6	0.568	0.672
	Spiked Amount	0.500	Range 30 - 150		Recovery =	113.60%	134.40%
	Target Compounds						
8) t	2,4-D	7.961	8.439	254.9E6	273.1E6	0.652	0.563M4
9) t	2,4,5-TP (Si	8.686f	9.103	925.2E6	861.1E6	0.629M4	0.495M4
10) t	2,4,5-T	8.907f	9.395f	906.7E6	858.2E6	0.671M4	0.515M4
SemiQuant Compounds - Not Calibrated on this Instrument							

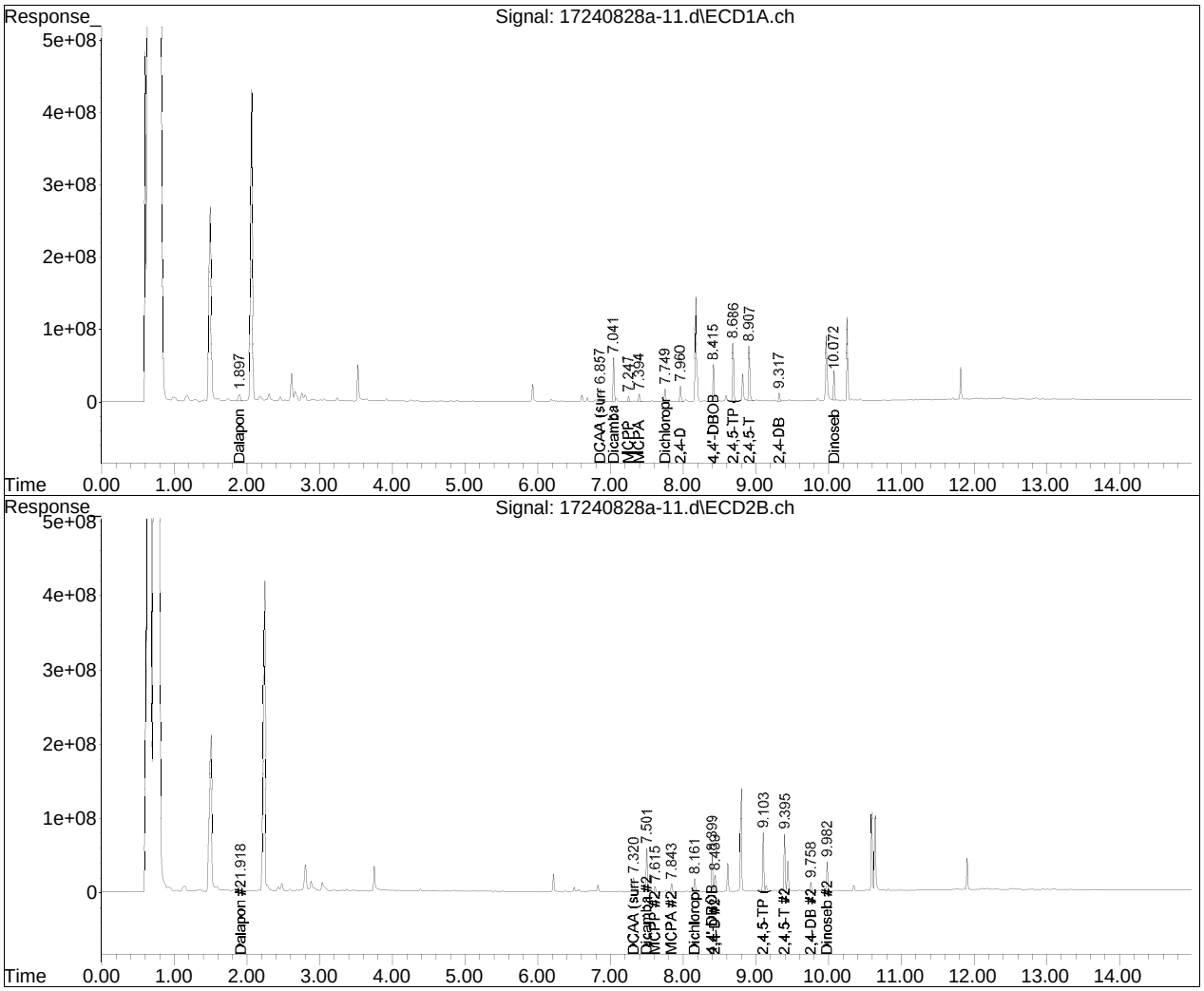
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240828a-01.d•

Data Path : I:\PEST\Pest17\2024\240828A\
Data File : 17240828a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:39
Operator : PEST17:mmg
Sample : WG1963640-5,42,, msd
Misc : wg1964814,wg1963640,ical21289
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 15:43:58 2024
Quant Method : I:\PEST\Pest17\2024\240828A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Wed Aug 28 07:11:27 2024
Response via : Initial Calibration
Integrator: ChemStation

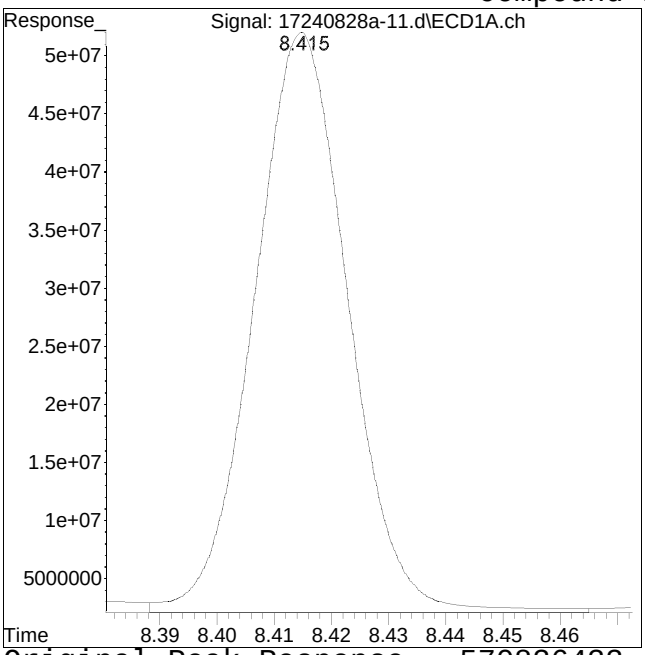
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

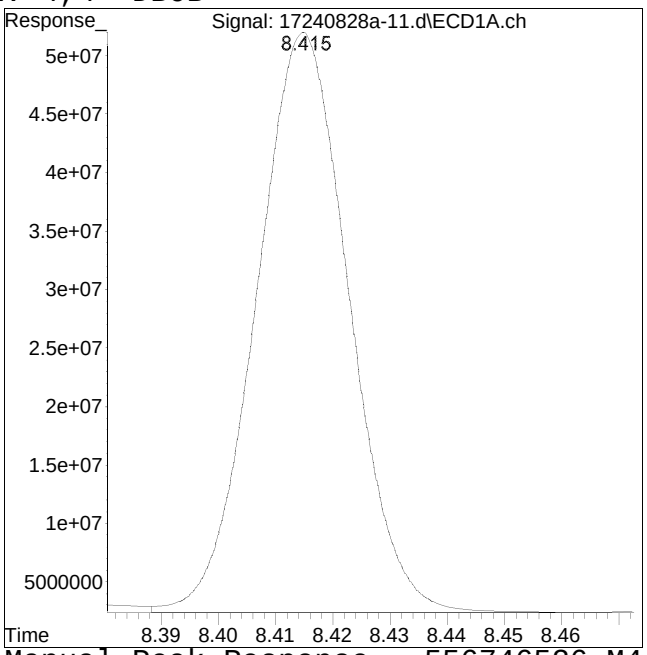


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #1: 4,4'-DBOB



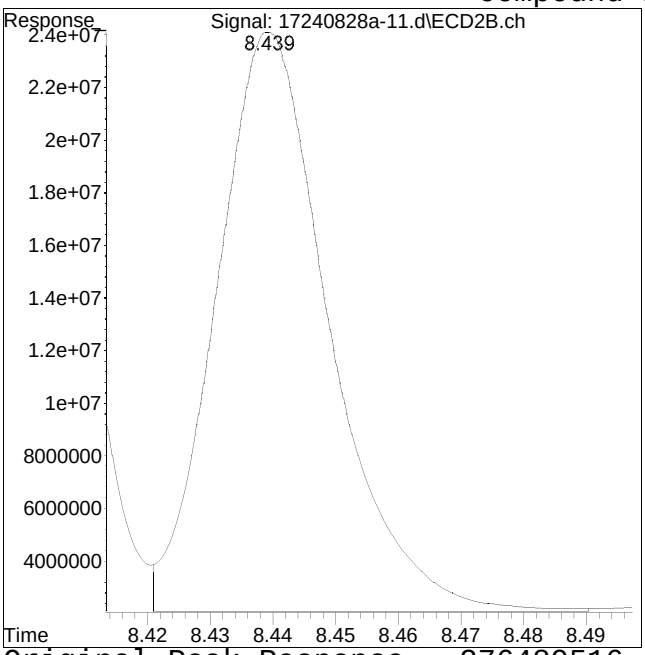


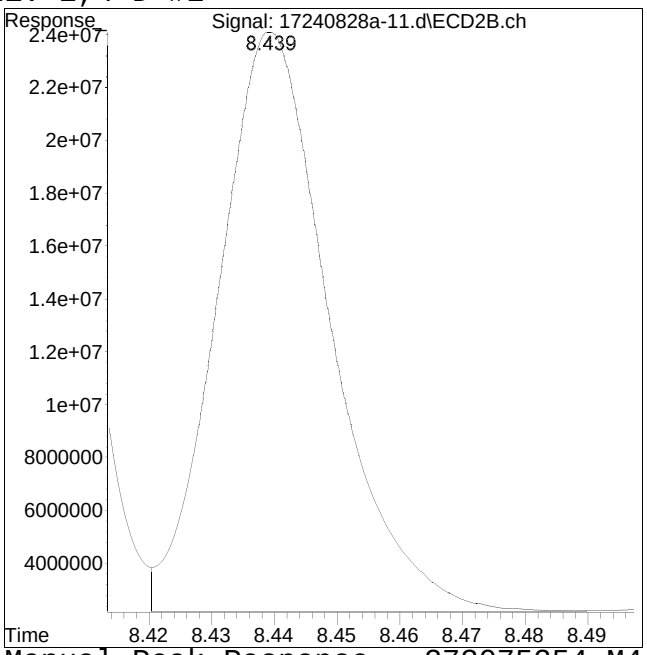
Original Peak Response = 570836433 Manual Peak Response = 556746526 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #21: 2,4-D #2



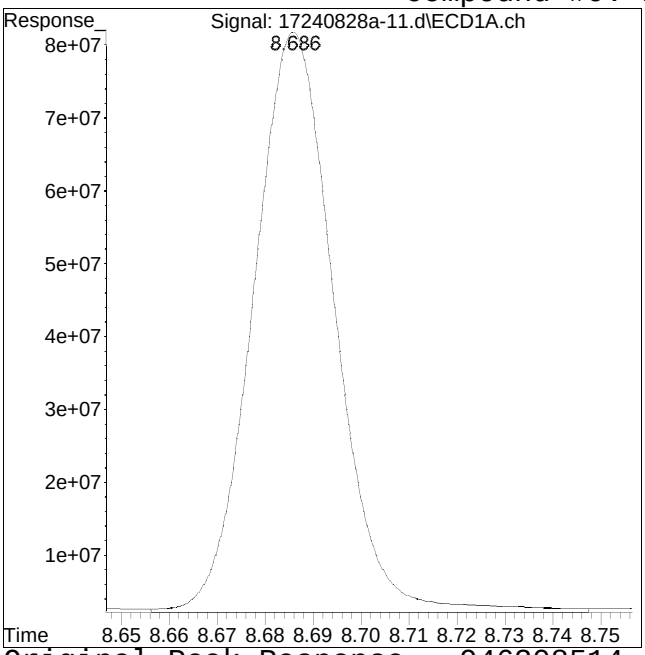


Original Peak Response = 276489516 Manual Peak Response = 273075254 M4
M4 = Poor automated baseline construction.

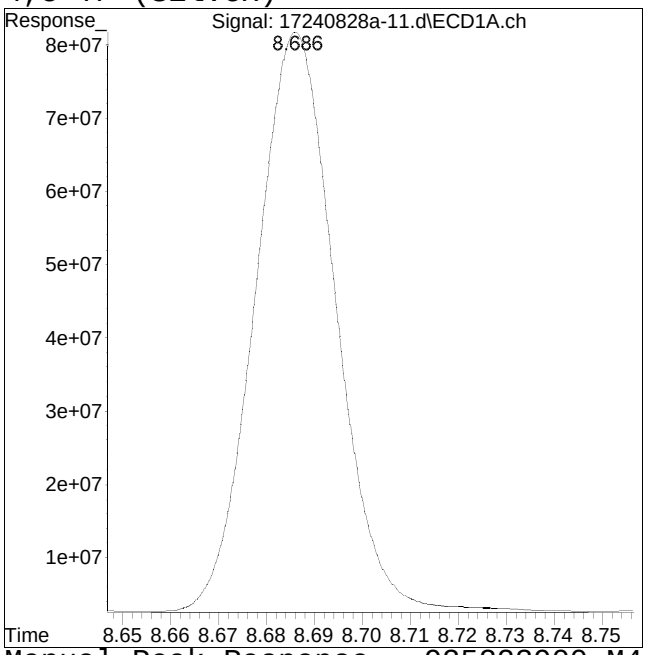
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 946308514



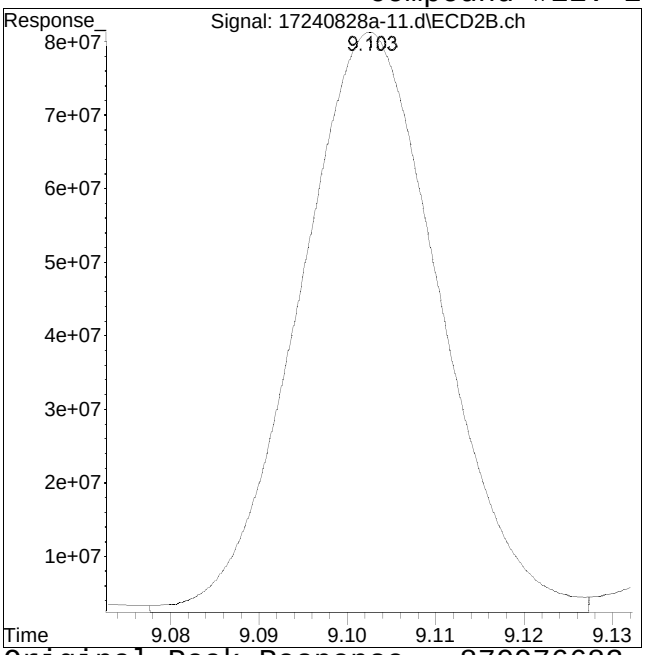
Manual Peak Response = 925223900 M4

M4 = Poor automated baseline construction.

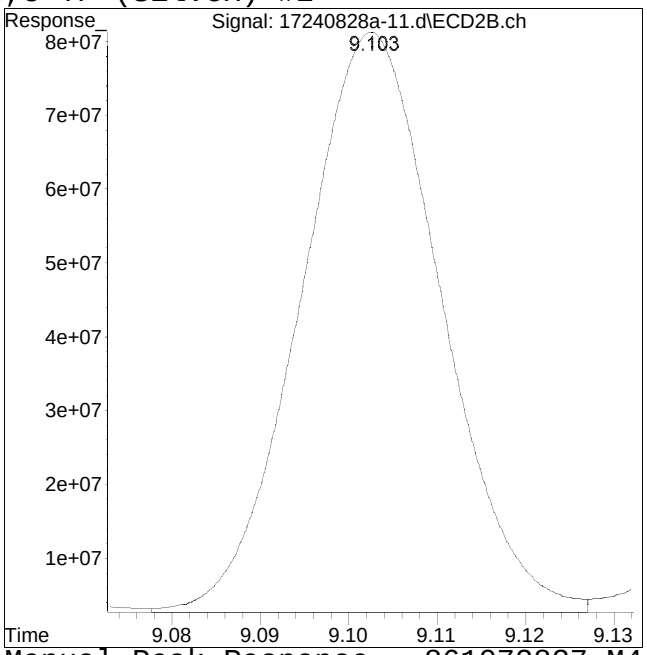
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 870976683



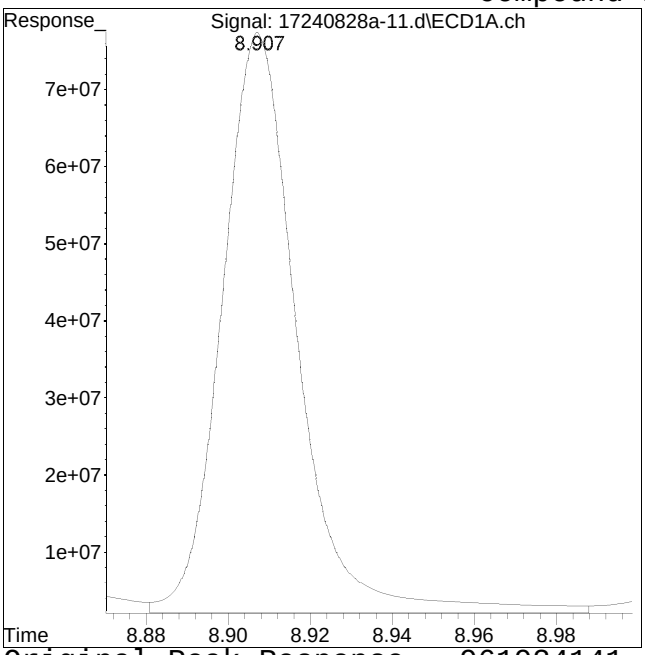
Manual Peak Response = 861072827 M4

M4 = Poor automated baseline construction.

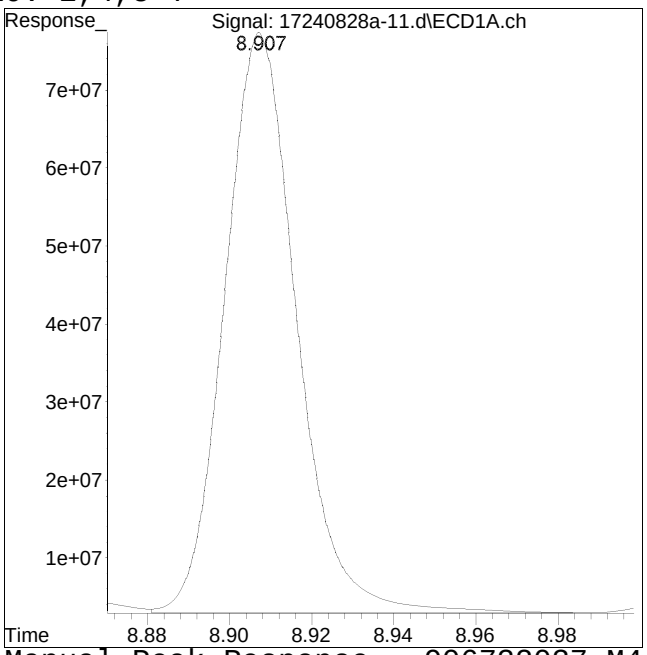
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #10: 2,4,5-T



Original Peak Response = 961924141



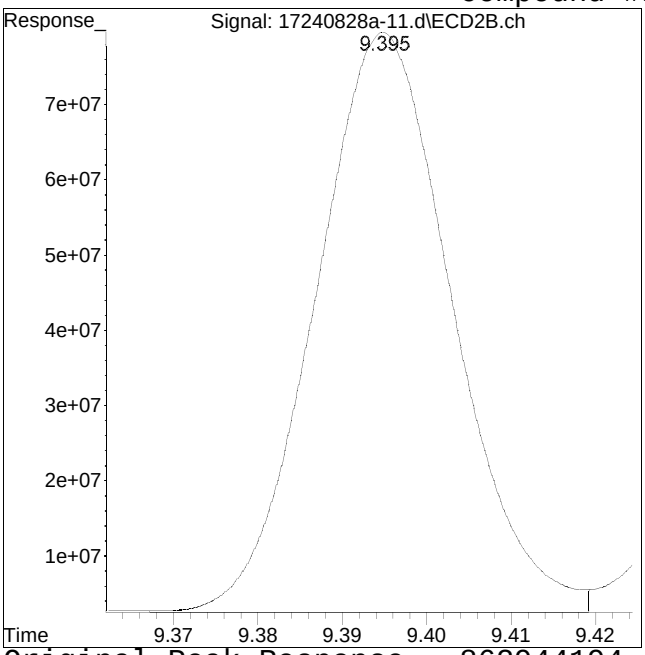
Manual Peak Response = 906732037 M4

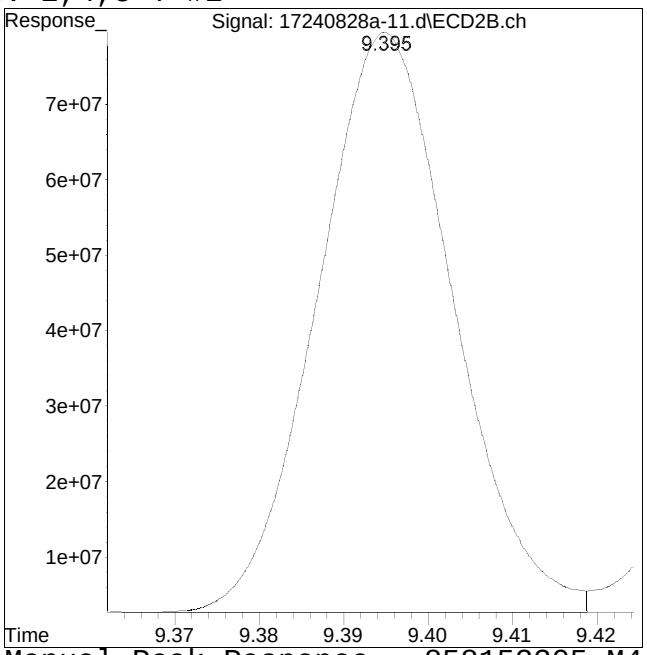
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240828QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240828a-11.d Operator : PEST17:mmg
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 17
Sample : WG1963640-5,42,, msd Quant Date : 8/28/2024 3:43 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 862944194 Manual Peak Response = 858153305 M4
M4 = Poor automated baseline construction.

Calculation of Herbicides

Aqueous Concentration Formula:
ug/L = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Vs)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Vs – Initial volume extracted (mL)
RF – Mean response factor

Soil/Solid Concentration Formula:
ug/kg = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Ws)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Ws – Initial weight extracted (g)
RF – Mean response factor

Dep.: PEST
Inst: Pest_17
Date: **07/12/24**
Run: **ical**

Method: 8151
GC: Herb

Seq: WG1947140
IS: pp11555

Vial	Data File	Sample	CCAL	notes	screen	initials
1	17240712i-01	blank,42e,,pp 11555	---			
2	17240712i-02	il1herb,42e,,pp 11633	L0.005/5			PEG 7/13
3	17240712i-03	il2herb,42e,,pp 11632	L0.1/10			PEG 7/13
4	17240712i-04	il3herb,42e,,pp 11631	L0.2/20			PEG 7/13
5	17240712i-05	il4herb,42e,,pp 11630	L0.5/50			PEG 7/13
6	17240712i-06	il5herb,42e,,pp 11629	L1/100			PEG 7/13
7	17240712i-07	il6herb,42e,,pp 11628	L2/200			PEG 7/13
8	17240712i-08	cicv,42e,,pp 11634	L0.2/20 ICV			PEG 7/13

Dep.: PEST
Inst: Pest_22
Date: **07/16/24**
Run: ical

Method: 8151
GC: Herb

Seq: WG1947963
IS: pp11555

Vial	Data File	Sample	CCAL	notes	screen	initials
1	22240716i-01	blank,42e,,pp 11555 ---				
2	22240716i-02	il1herb,42e,,pp 11633 L0.005/5				EJL 7/16
3	22240716i-03	il2herb,42e,,pp 11632 L0.1/10				EJL 7/16
4	22240716i-04	il3herb,42e,,pp 11631 L0.2/20				EJL 7/16
5	22240716i-05	il4herb,42e,,pp 11630 L0.5/50				EJL 7/16
6	22240716i-06	il5herb,42e,,pp 11629 L1/100				EJL 7/16
7	22240716i-07	il6herb,42e,,pp 11628 L2/200				EJL 7/16
8	22240716i-08	cicv,42e,,pp 11634 L0.2/20 ICV		15%		EJL 7/16

Dep.: PEST
Inst: PEST_17
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964271
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	17240827a-01	herb11705	a: dala, dichloro, 245t, dino high, mcpa low, b: 245t low, 6:09			PEG 8/27
2	17240827a-02	WG1963640-1,42,,				JAG 8/27
3	17240827a-03	WG1963640-2,42,,				JAG 8/27
4	17240827a-04	WG1963640-3,42,,				JAG 8/27
5	17240827a-05	L2447503-01,42,,				JAG 8/27
6	17240827a-06	L2447503-02,42,,				JAG 8/27
7	17240827a-07	L2447503-03,42,,				JAG 8/27
8	17240827a-08	L2447503-04,42,,				JAG 8/27
9	17240827a-09	L2447503-05,42,,				JAG 8/27
10	17240827a-10	L2447503-06,42,,				JAG 8/27
11	17240827a-11	L2447503-07,42,, p				JAG 8/27
12	17240827a-12	WG1963640-6,42,, ms				JAG 8/27
13	17240827a-13	WG1963640-7,42,, msd				JAG 8/27
14	17240827a-14	L2447503-08,42,,				JAG 8/27
15	17240827a-15	L2447503-09,42,,				JAG 8/27
16	17240827a-16	L2447503-10,42,,				JAG 8/27
17	17240827a-17	herb11705	a: dala, 245t, dino high, mcpp, mcpa low, b: 15%, 12:49			JAG 8/27
18	17240827a-18	L2447890-09,42,,				JAG 8/27
19	17240827a-19	L2447890-10,42,,			peg	JAG 8/27
20	17240827a-20	L2447124-03,42,, t rv nyb	t 23-AUG-24 19:26		ejl	JAG 8/27

Dep.: PEST
Inst: PEST_22
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964358
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	22240827a-01	herb11705	a: 24d, 245r, dino high, b: mcpp low, 6:09			PEG 8/27
2	22240827a-02	WG1963668-1,42,, t	t 25-aug-24 06:14			MMG 8/27
3	22240827a-03	WG1963668-2,42,, t	t 25-aug-24 06:14			MMG 8/27
4	22240827a-04	WG1963668-3,42,, t	t 25-aug-24 06:14			MMG 8/27
5	22240827a-05	L2447336-01,42,, t	t 25-aug-24 06:14			MMG 8/27
6	22240827a-06	L2447336-02,42,, t	t 25-aug-24 06:14			MMG 8/27
7	22240827a-07	L2447524-01,42,, t	t 25-aug-24 06:14			MMG 8/27
8	22240827a-08	L2447361-01,42,, t	t 25-aug-24 06:14			MMG 8/27
9	22240827a-09	L2447361-02,42,, t	t 25-aug-24 06:14			MMG 8/27
10	22240827a-10	L2445879-01,42,, t	t 25-aug-24 06:14			MMG 8/27
11	22240827a-11	L2445879-02,42,, t	t 25-aug-24 06:14			MMG 8/27
12	22240827a-12	L2445879-03,42,, t	t 25-aug-24 06:14			MMG 8/27
13	22240827a-13	L2445879-04,42,, t	t 25-aug-24 06:14			MMG 8/27
14	22240827a-14	L2445879-05,42,, t	t 25-aug-24 06:14			MMG 8/27
15	22240827a-15	herb11705	a: 245t high, 14:34			MMG 8/27
16	22240827a-16	L2445879-06,42,, p t	t 25-aug-24 06:14			MMG 8/27
17	22240827a-17	WG1963668-4,42,, ms t	t 25-aug-24 06:14			MMG 8/27
18	22240827a-18	WG1963668-5,42,, msd t	t 25-aug-24 06:14			MMG 8/27
19	22240827a-19	L2445879-07,42,, t	t 25-aug-24 06:14			JAG 8/27
20	22240827a-20	L2445879-08,42,, t	t 25-aug-24 06:14			JAG 8/27
21	22240827a-21	L2445879-09,42,, t	t 25-aug-24 06:14			JAG 8/27
22	22240827a-22	L2445879-10,42,, t	t 25-aug-24 06:14		mmg	JAG 8/27
23	22240827a-23	WG1963883-1,42,, 882				MMG 8/28
24	22240827a-24	WG1963883-2,42,, 882				MMG 8/28
25	22240827a-25	WG1963883-3,42,, 882				MMG 8/28
26	22240827a-26	L2447479-11,42,,				MMG 8/28
27	22240827a-27	L2447479-12,42,,				MMG 8/28
28	22240827a-28	L2447479-13,42,,				MMG 8/28
29	22240827a-29	L2447479-14,42,,				MMG 8/28
30	22240827a-30	L2447479-15,42,,				MMG 8/28
31	22240827a-31	herb11705	a: dino low, b: mcpp low, 23:58			MMG 8/28
32	22240827a-32	L2447479-16,42,,				MMG 8/28
33	22240827a-33	L2447479-17,42,,				MMG 8/28
34	22240827a-34	L2447479-18,42,,				MMG 8/28
35	22240827a-35	L2447479-19,42,,				MMG 8/28
36	22240827a-36	L2447840-02,42,,				MMG 8/28
37	22240827a-37	L2447840-03,42,,				MMG 8/28
38	22240827a-38	L2447840-04,42,,				MMG 8/28
39	22240827a-39	L2447840-05,42,,				MMG 8/28
40	22240827a-40	L2447840-06,42,,				MMG 8/28
41	22240827a-41	L2447840-07,42,,				MMG 8/28
42	22240827a-42	herb11705	a: dino low, b: IS high, 3:22			MMG 8/28
43	22240827a-43	L2447840-08,42,,				MMG 8/28
44	22240827a-44	L2447352-01,42,,				MMG 8/28

Dep.: PEST
Inst: PEST_22
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964358
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	22240827a-45	L2447361-01,42,,				MMG 8/28
46	22240827a-46	L2447361-02,42,,			jag	MMG 8/28
47	22240827a-47	WG1963954-1,42,, 956 mcp				MMG 8/28
48	22240827a-48	WG1963954-2,42,, 956 mcp	102			MMG 8/28
49	22240827a-49	WG1963954-3,42,, 956 mcp	102			MMG 8/28
50	22240827a-50	L2447343-01,42,,				MMG 8/28
51	22240827a-51	L2447343-02,42,,				MMG 8/28
52	22240827a-52	L2447343-03,42,,				MMG 8/28
53	22240827a-53	L2447343-04,42,,				MMG 8/28
54	22240827a-54	L2447343-05,42,,				MMG 8/28
55	22240827a-55	herb11705	a: dino low, b: IS high, 7:24			MMG 8/28
56	22240827a-56	L2447343-06,42,,				MMG 8/28
57	22240827a-57	L2447343-07,42,,				MMG 8/28
58	22240827a-58	L2447305-01,42,, mcp				MMG 8/28
59	22240827a-59	L2447305-02,42,, mcp				MMG 8/28
60	22240827a-60	L2447305-03,42,, mcp				MMG 8/28
61	22240827a-61	L2447305-04,42,, mcp				MMG 8/28
62	22240827a-62	L2447305-05,42,, mcp				MMG 8/28
63	22240827a-63	L2447305-06,42,, mcp				MMG 8/28
64	22240827a-64	L2447305-10,42,, mcp				MMG 8/28
65	22240827a-65	L2447305-11,42,, mcp				MMG 8/28
66	22240827a-66	herb11705	a: dino low, b: mcpp, mcpa low, 10:49			MMG 8/28
67	22240827a-67	L2447305-12,42,, mcp				MMG 8/28
68	22240827a-68	L2447305-13,42,, mcp				MMG 8/28
69	22240827a-69	L2447305-07,42,, mcp				MMG 8/28
70	22240827a-70	L2447305-08,42,, mcp				MMG 8/28
71	22240827a-71	L2447305-09,42,, mcp			sid	MMG 8/28
72	22240827a-72	WG1964243-1,42,, 244				MMG 8/28
73	22240827a-73	WG1964243-2,42,, 244				MMG 8/28
74	22240827a-74	WG1964243-3,42,, 244				MMG 8/28
75	22240827a-75	L2447479-01,42,,				MMG 8/28
76	22240827a-76	L2447503-11,42,,			sid	MMG 8/28
77	22240827a-77	WG1964227-1,42,, 398/414				
78	22240827a-78	WG1964227-2,42,, 398/414				
79	22240827a-79	WG1964227-3,42,, 398/414				
80	22240827a-80	L2447691-01,42,,				
81	22240827a-81	L2447691-02,42,,				
82	22240827a-82	L2447691-03,42,,				
83	22240827a-83	herb11705	b: mcpp, mcpa low 16:40			JAG 8/28
84	22240827a-84	L2447691-04,42,,				
85	22240827a-85	L2447691-05,42,,				
86	22240827a-86	L2448459-01,42,,,R1C				JAG 8/28
87	22240827a-87	L2448459-02,42,,,R1C				JAG 8/28
88	22240827a-88	L2447676-03,42,,				

Dep.: PEST
Inst: PEST_22
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964358
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
89	22240827a-89	L2447889-01,42,,				
90	22240827a-90	L2447691-06,42,,			mmg	
91	22240827a-91	L2446247-01,42,,				
92	22240827a-92	L2447922-01,42,,				
93	22240827a-93	L2447922-02,42,,				
94	22240827a-94	herb11705				
95	22240827a-95	L2447922-03,42,,			jag	

Dep.: PEST
Inst: PEST_17
Date: **08/28/24**
Run: a

Method
GC: herb

Seq: wg1964814
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	17240828a-01	herb11705	a: some high, low, b: 245t low, 6:33			AKM 8/28
2	17240828a-02	blank				
3	17240828a-03	L2447840-01,42,,				MMG 8/28
4	17240828a-04	L2447890-11,42,,				MMG 8/28
5	17240828a-05	L2447890-12,42,,				MMG 8/28
6	17240828a-06	L2447890-13,42,,	602			MMG 8/28
7	17240828a-07	L2447890-01,42,,				MMG 8/28
8	17240828a-08	L2447890-02,42,,				MMG 8/28
9	17240828a-09	L2447890-03,42,, p				MMG 8/28
10	17240828a-10	WG1963640-4,42,, ms				MMG 8/28
11	17240828a-11	WG1963640-5,42,, msd				MMG 8/28
12	17240828a-12	WG1964750-1,42,, t	t 27-aug-24 00:02			MMG 8/28
13	17240828a-13	WG1964750-2,42,, t	t 27-aug-24 00:02			MMG 8/28
14	17240828a-14	WG1964750-3,42,, t	t 27-aug-24 00:02			MMG 8/28
15	17240828a-15	L2448369-09,42,,R3C t	t 27-aug-24 00:02			MMG 8/28
16	17240828a-16	L2448369-10,42,,R3C t	t 27-aug-24 00:02			MMG 8/28
17	17240828a-17	L2447890-04,42,,			mmg	MMG 8/29
18	17240828a-18	herb11705	a: mcps low, dala, 245t, dino high, b: 245t, 24db low, 15:48			SID 8/28
19	17240828a-19	L2447890-05,42,,				MMG 8/29
20	17240828a-20	L2447890-06,42,,				MMG 8/29
21	17240828a-21	L2447890-07,42,,				MMG 8/29
22	17240828a-22	L2447890-08,42,,			peg	MMG 8/29
23	17240828a-23	WG1964402-1,42,,				SID 8/28
24	17240828a-24	WG1964402-2,42,,				SID 8/28
25	17240828a-25	WG1964402-3,42,,				SID 8/28
26	17240828a-26	L2447676-02,42,,				MMG 8/29
27	17240828a-27	L2447697-01,42,, t	t 25-aug-24 23:42			MMG 8/29
28	17240828a-28	L2447697-02,42,, t	t 25-aug-24 23:42			MMG 8/29
29	17240828a-29	L2447697-03,42,, t	t 25-aug-24 23:42			MMG 8/29
30	17240828a-30	L2447697-04,42,, t	t 25-aug-24 23:42			MMG 8/29
31	17240828a-31	L2447697-05,42,, t	t 25-aug-24 23:42			MMG 8/29
32	17240828a-32	herb11705	a: mcps low, dala, 245t, dino high, b: 245t low, 20:06			MMG 8/29
33	17240828a-33	L2447697-06,42,, t	t 25-aug-24 23:42			MMG 8/29
34	17240828a-34	L2447697-07,42,, t	t 25-aug-24 23:42			MMG 8/29
35	17240828a-35	L2447697-08,42,, t	t 25-aug-24 23:42			MMG 8/29
36	17240828a-36	L2445598-02,42,, t	t 25-aug-24 23:42		mmg	MMG 8/29
37	17240828a-37	L2449050-06,42,, t	t 15-aug-24 13:48			MMG 8/29
38	17240828a-38	L2449050-07,42,, t	t 15-aug-24 13:48			MMG 8/29
39	17240828a-39	WG1965132-1,42,, t	t 21-aug-24 17:12			MMG 8/29
40	17240828a-40	WG1965132-2,42,, t	t 21-aug-24 17:12			MMG 8/29
41	17240828a-41	WG1965132-3,42,, t	t 21-aug-24 17:12			MMG 8/29
42	17240828a-42	L2449050-02,42,, t	t 21-aug-24 17:12			MMG 8/29
43	17240828a-43	L2449050-03,42,, t	t 18-aug-24 23:27		jag	MMG 8/29
44	17240828a-44	WG1964683-1,42,, 682 t	t 24-aug-24 19:03			MMG 8/29
45	17240828a-45	WG1964683-2,42,, 682 t	t 24-aug-24 19:03			MMG 8/29

Dep.: PEST
Inst: PEST_17
Date: **08/28/24**
Run: a

Method
GC: herb

Seq: wg1964814
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	17240828a-46	WG1964683-3,42,, 682 t	t 24-aug-24 19:03			MMG 8/29
47	17240828a-47	L2447840-06,42,, t	t 25-aug-24 23:42		jag	MMG 8/29

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 29 2024, 02:24 pm

Work Group: WG1963640 for Department: 2 Organic Preparation

Created: 25-AUG-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-01	MW-1S	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-02	MW-2S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-03	MW-3S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-04	MW-4D	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-05	MW-5S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-06	MW-6D	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-07	MW-7S	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-08	MW-8S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-09	DUP	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-10	FIELD BLANK	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447890-01	MW-3A	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-02	MW-6A	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-03	MW-6B	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-04	MW-6C	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-05	MW-7A	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-06	MW-7B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-07	MW-7C	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-08	MW-8A	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-09	MW-8B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-10	MW-8C2	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
WG1963640-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG1963640-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG1963640-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				
WG1963640-4	Matrix Spike	S	HERB-APA	WATER	DONE	U				
WG1963640-5	Matrix Spike Duplica	S	HERB-APA	WATER	DONE	U				
WG1963640-6	Matrix Spike	S	HERB-APA	WATER	DONE	U				
WG1963640-7	Matrix Spike Duplica	S	HERB-APA	WATER	DONE	U				

Comments:

WG1963640-3	WG1963640-2
WG1963640-4	L2447890-03
WG1963640-5	L2447890-03
WG1963640-6	L2447503-07
WG1963640-7	L2447503-07

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 29 2024, 02:24 pm

Work Group: WG1964244 for Department: 2 Organic Preparation

Created: 27-AUG-24 Due: Operator: MAD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-11	EQUIPMENT BLANK	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447890-11	MW-9B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-12	DUP	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-13	FIELD BLANK	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
WG1964244-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG1964244-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG1964244-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				

Comments:

WG1964244-3 WG1964244-2

ORGANIC ELN REPORT

Workgroup: WG1963640

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** SHBR7337
Surrogate Type: Herbicide **Lot #:** PP11638aa,01/02/2025,3c,25,3
Spike Type: Herbicides **Lot #:** PP11709ag,01/26/2025,5l,10,3
Spike Verify by: YDA
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A081124
25% NaOH	Na072424
Acidified Na2SO4	AS082524
DCM	EJ049
Diethyl ether	SHBR7337
Na2S2O3	N/A
NaCl	24C2556110

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: SHBR7337

Additional Reagents/Stds

Acidified Na2SO4	AS082624
Diazomethane	D082624
Hexane	EI962
Isooctane	STBK8849
Methanol	64039
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume ml	Methylation Date	ml ml	Conc Unit
L2447503-01 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-02 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-03 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-04 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-05 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-06 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

Reported: 29-AUG-24 02:25 PM

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2447503-07 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-08 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-09 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-10 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447890-01 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-02 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-03 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-04 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-05 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-06 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2447890-07 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-08 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-09 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447890-10 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-1 BLANK	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-2 LCS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-3 LCSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-4 MS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-5 MSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-6 MS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
WG1963640-7 MSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

ORGANIC ELN REPORT

Workgroup: WG1964244

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** SHBR7337
Surrogate Type: Herbicide **Lot #:** PP11710AQ-012625
Spike Type: Herbicides **Lot #:** PP11709AG-012625
Spike Verify by: MAD
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A081124
25% NaOH	Na072424
Acidified Na2SO4	AS082624
DCM	EJ049
Diethyl ether	SHBR7337
Na2S2O3	1GG0632
NaCl	24C2556110

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: SHBR7337

Additional Reagents/Stds

Acidified Na2SO4	AS082724
Diazomethane	D082624
Hexane	EI962
Isooctane	STBK8849
Methanol	64039
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume ml	Methylation Date	ml ml	Conc Unit
L2447503-11 SAMP	08/27/24 15:10	George Nantwi	1000	>12, <2	-	.5		08/27/24 16:30	08/27/24 18:00	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
L2447890-11 SAMP	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
L2447890-12 SAMP	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
L2447890-13 SAMP	08/27/24 07:53	Michael Daring	800	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
	Reduced volume due to container														
WG1964244-1 BLANK	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
	WG1964243														

Reported: 29-AUG-24 02:25 PM

ORGANIC ELN REPORT

Workgroup: WG1964244

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
WG1964244-2 LCS	08/27/24 07:53 **WG1964243**	Michael Daring	1000	>12, <2	-	.5	.5	08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
WG1964244-3 LCSD	08/27/24 07:53 **WG1964243**	Michael Daring	1000	>12, <2	-	.5	.5	08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7

Reported: 29-AUG-24 02:25 PM

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-3A (L2447890-01)	83	97	90	105			0
MW-6A (L2447890-02)	84	95	90	102			0
MW-6B (L2447890-03)	87	104	97	118			0
MW-6C (L2447890-04)	85	96	97	109			0
MW-7A (L2447890-05)	75	84	88	98			0
MW-7B (L2447890-06)	81	91	96	114			0
MW-7C (L2447890-07)	79	90	93	109			0
MW-8A (L2447890-08)	82	91	88	105			0
MW-8B (L2447890-09)	74	83	89	104			0
MW-8C2 (L2447890-10)	88	102	102	121			0
MW-9B (L2447890-11)	86	96	100	119			0
DUP (L2447890-12)	85	95	94	106			0
FIELD BLANK (L2447890-13)	82	93	84	99			0
WG1964696-1BLANK	113	105	106	100			0
WG1964696-2LCS	115	111	106	111			0
WG1964696-3LCSD	102	108	102	110			0
MW-6BMS	83	100	90	113			0
MW-6BMSD	86	105	95	109			0
WG1965202-1BLANK	79	87	97	94			0
WG1965202-2LCS	79	91	90	107			0
WG1965202-3LCSD	86	100	101	111			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964696-2	**Analysis Date** : 08/28/24 10:31	**File ID** : P2240828a-26
LCSD Sample ID	: WG1964696-3	**Analysis Date** : 08/28/24 10:41	**File ID** : P2240828a-27

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	1.78	2.01	113	1.78	1.86	104	8	40-140	50
Aroclor 1260	1.78	1.96	110	1.78	1.79	100	10	40-140	50

Laboratory Control Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1965202-2	**Analysis Date** : 08/29/24 16:10	**File ID** : P2240829a-44
LCSD Sample ID	: WG1965202-3	**Analysis Date** : 08/29/24 16:20	**File ID** : P2240829a-45

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	1.78	1.49	83	1.78	1.62	91	8	40-140	50
Aroclor 1260	1.78	1.39	78	1.78	1.60	90	14	40-140	50

Matrix Spike Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447890-03	**Analysis Date**	: 08/28/24 16:13
Matrix Spike	: WG1964696-4	**MS Analysis Date**	: 08/28/24 16:22
Matrix Spike Dup	: WG1964696-5	**MSD Analysis Date**	: 08/28/24 16:32

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	ND	1.78	1.47	82	1.78	1.53	86	4	40-140	50
Aroclor 1260	ND	1.78	1.45	81	1.78	1.51	85	4	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1964696-1	**Lab File ID**	: P2240828a-25
Matrix	: WATER	**Extraction Date**	: 08/28/24
Sulfur Cleanup	: Y		
Analysis Date (1)	: 08/28/24 10:22	**Analysis Date (2)**	: 08/28/24 10:22
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1964696-2LCS	WG1964696-2	08/28/24 10:31	08/28/24 10:31
WG1964696-3LCSD	WG1964696-3	08/28/24 10:41	08/28/24 10:41
MW-6B	L2447890-03	08/28/24 16:13	08/28/24 16:13
MW-6BMS	WG1964696-4	08/28/24 16:22	08/28/24 16:22
MW-6BMSD	WG1964696-5	08/28/24 16:32	08/28/24 16:32

Method Blank Summary
Form 4
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1965202-1	**Lab File ID**	: P2240829a-43
Matrix	: WATER	**Extraction Date**	: 08/28/24
Sulfur Cleanup	: Y		
Analysis Date (1)	: 08/29/24 16:01	**Analysis Date (2)**	: 08/29/24 16:01
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1965202-2LCS	WG1965202-2	08/29/24 16:10	08/29/24 16:10
WG1965202-3LCSD	WG1965202-3	08/29/24 16:20	08/29/24 16:20
MW-3A	L2447890-01	08/29/24 16:57	08/29/24 16:57
MW-6A	L2447890-02	08/29/24 17:07	08/29/24 17:07
MW-6C	L2447890-04	08/29/24 17:16	08/29/24 17:16
MW-7A	L2447890-05	08/29/24 17:25	08/29/24 17:25
MW-7B	L2447890-06	08/29/24 17:35	08/29/24 17:35
MW-7C	L2447890-07	08/29/24 17:45	08/29/24 17:45
MW-8A	L2447890-08	08/29/24 17:54	08/29/24 17:54
MW-8B	L2447890-09	08/29/24 18:03	08/29/24 18:03
MW-8C2	L2447890-10	08/29/24 18:13	08/29/24 18:13
MW-9B	L2447890-11	08/29/24 18:22	08/29/24 18:22
DUP	L2447890-12	08/29/24 18:32	08/29/24 18:32
FIELD BLANK	L2447890-13	08/29/24 18:41	08/29/24 18:41

Analytical Sequence
Form 8b
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST2**	**Initial Calib. Date(s)**	**: 08/13/24 08/13/24**

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L5 (250ug/L)	R1863694-1	08/13/24 10:14
1232/1262 L5 (250ug/L)	R1863694-2	08/13/24 10:24
1248 L5 (250ug/L)	R1863694-3	08/13/24 10:33
1221/1254 L5 (250ug/L)	R1863694-4	08/13/24 10:43
1016/1260 L1 (4ug/L)	R1863694-5	08/13/24 10:52
1016/1260 L2 (10ug/L)	R1863694-6	08/13/24 11:01
1016/1260 L3 (50ug/L)	R1863694-7	08/13/24 11:11
1016/1260 L4 (100ug/L)	R1863694-15	08/13/24 11:20
1016/1260 L5 (250ug/L)	R1863694-16	08/13/24 11:30
1016/1260 L6 (500ug/L)	R1863694-8	08/13/24 11:39
1016/1260 L7 (1000ug/L)-	R1863694-9	08/13/24 11:48
R1863694-10 ICV	R1863694-10	08/13/24 11:58
R1863694-11 ICV	R1863694-11	08/13/24 12:07
R1863694-12 ICV	R1863694-12	08/13/24 12:17
R1863694-13 ICV	R1863694-13	08/13/24 12:26
R1863694-14 ICV	R1863694-14	08/13/24 12:35
WG1964804-1 CCAL	WG1964804-1	08/28/24 06:47
WG1964696-1 BLANK	WG1964696-1	08/28/24 10:22
WG1964696-2 LCS	WG1964696-2	08/28/24 10:31
WG1964696-3 LCSD	WG1964696-3	08/28/24 10:41
WG1964804-5 CCAL	WG1964804-5	08/28/24 14:29
MW-6B	L2447890-03	08/28/24 16:13
MW-6B MS	WG1964696-4	08/28/24 16:22
MW-6B MSD	WG1964696-5	08/28/24 16:32
WG1965377-5 CCAL	WG1965377-5	08/29/24 15:06
WG1965202-1 BLANK	WG1965202-1	08/29/24 16:01
WG1965202-2 LCS	WG1965202-2	08/29/24 16:10
WG1965202-3 LCSD	WG1965202-3	08/29/24 16:20
MW-3A	L2447890-01	08/29/24 16:57
MW-6A	L2447890-02	08/29/24 17:07
MW-6C	L2447890-04	08/29/24 17:16
MW-7A	L2447890-05	08/29/24 17:25
MW-7B	L2447890-06	08/29/24 17:35
MW-7C	L2447890-07	08/29/24 17:45
MW-8A	L2447890-08	08/29/24 17:54
MW-8B	L2447890-09	08/29/24 18:03
MW-8C2	L2447890-10	08/29/24 18:13
MW-9B	L2447890-11	08/29/24 18:22
DUP	L2447890-12	08/29/24 18:32
FIELD BLANK	L2447890-13	08/29/24 18:41

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

PCB - EPA 8082A (WATER)

Holding Time: 365 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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PCB - EPA 8082A (SOIL)

Holding Time: 365 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 16:57
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-49	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:07
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-50	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 16:13
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240828a-52	**Analyst**	: MHG
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-04	**Date Collected**	: 08/20/24 17:55
Client ID	: MW-6C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:16
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-51	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-05	**Date Collected**	: 08/20/24 16:30
Client ID	: MW-7A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:25
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-52	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-06	**Date Collected**	: 08/21/24 09:20
Client ID	: MW-7B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:35
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-53	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-07	**Date Collected**	: 08/21/24 10:50
Client ID	: MW-7C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:45
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-54	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-08	**Date Collected**	: 08/21/24 13:05
Client ID	: MW-8A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 17:54
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-55	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-09	**Date Collected**	: 08/21/24 14:35
Client ID	: MW-8B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 18:03
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-56	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-10	**Date Collected**	: 08/21/24 13:40
Client ID	: MW-8C2	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 18:13
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-57	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 18:22
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-58	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 18:32
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-59	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/29/24 18:41
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-60	**Analyst**	: AD
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964696-1	**Date Collected**	: NA
Client ID	: WG1964696-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 10:22
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240828a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964696-1	**Date Collected**	: NA
Client ID	: WG1964696-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 10:22
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240828a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1965202-1	**Date Collected**	: NA
Client ID	: WG1965202-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/29/24 16:01
Sample Matrix	: WATER	**Date Extracted**	: 08/28/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240829a-43	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:13
Operator : pest2:mhg
Sample : L2447890-03,42,, p
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:24 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.259	174.2E6	171.0E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 175552743				Recovery =	99.24%	
	Standard Area 1 : #2 = 193227791				Recovery =	88.48%	
14) i	2154_1br2nb	1.193	1.259	174.2E6	171.0E6	25.000M3	25.000M4
23) i	4268_1br2nb	1.193	1.259	174.2E6	171.0E6	25.000M3	25.000M4
34) i	1248_1br2nb	1.193	1.259	174.2E6	171.0E6	25.000M3	25.000M4
40) i	3262_1br2nb	1.193	1.259	174.2E6	171.0E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.476	1.628	195.7E6	215.3E6	17.441	20.839M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	87.20%	104.19%
3) s	Decachlorobi	4.041	4.549	158.8E6	162.8E6	19.403	23.601M3
	Spiked Amount 20.000	Range 30 - 150			Recovery =	97.02%	118.01%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:13
Operator : pest2:mhg
Sample : L2447890-03,42,, p
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:24 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:13
Operator : pest2:mhg
Sample : L2447890-03,42,, p
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:24 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:13
Operator : pest2:mhg
Sample : L2447890-03,42,, p
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:24 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : Default - All compounds listed

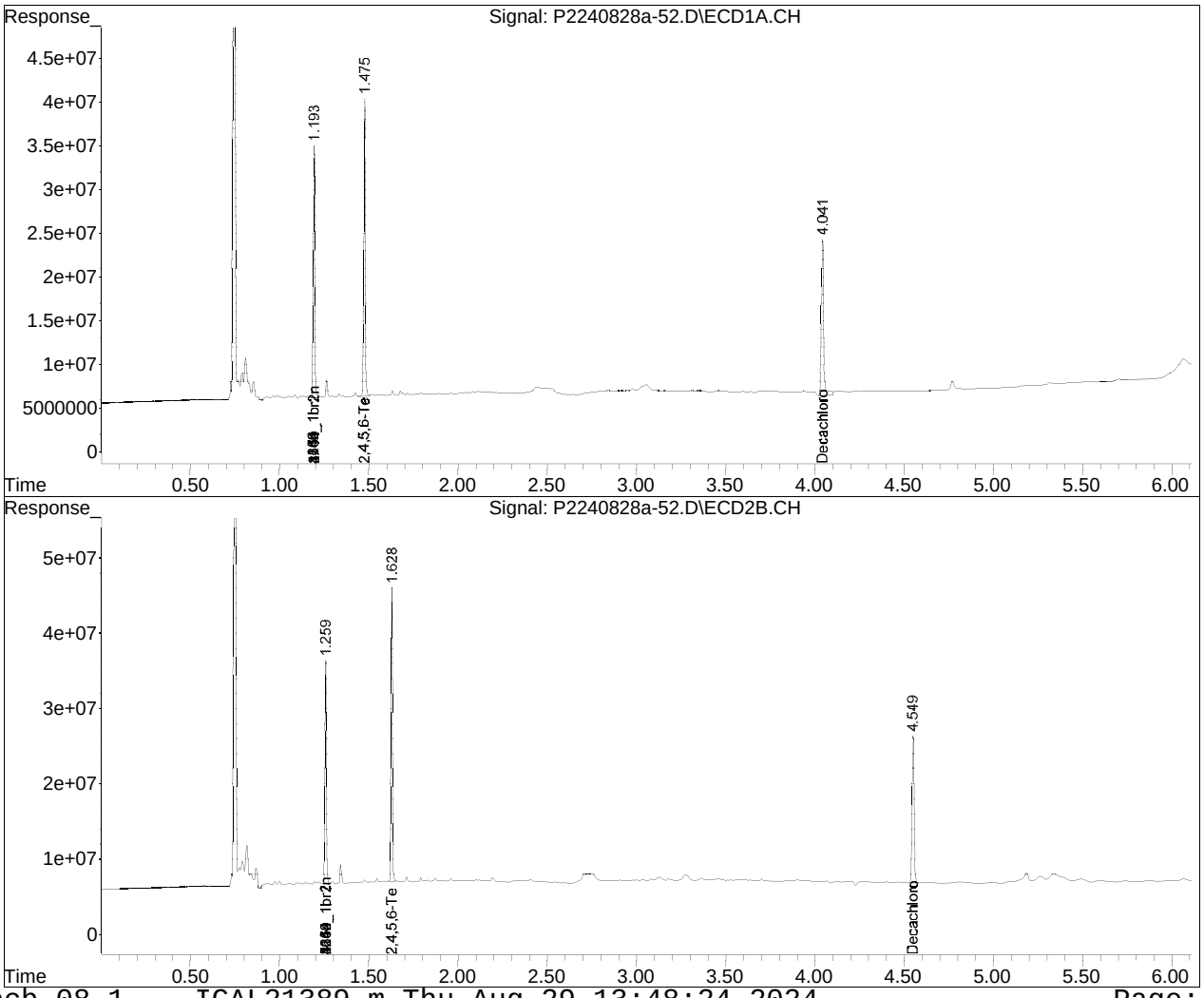
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240828a-43.D•

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:13
Operator : pest2:mhg
Sample : L2447890-03,42,, p
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:24 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

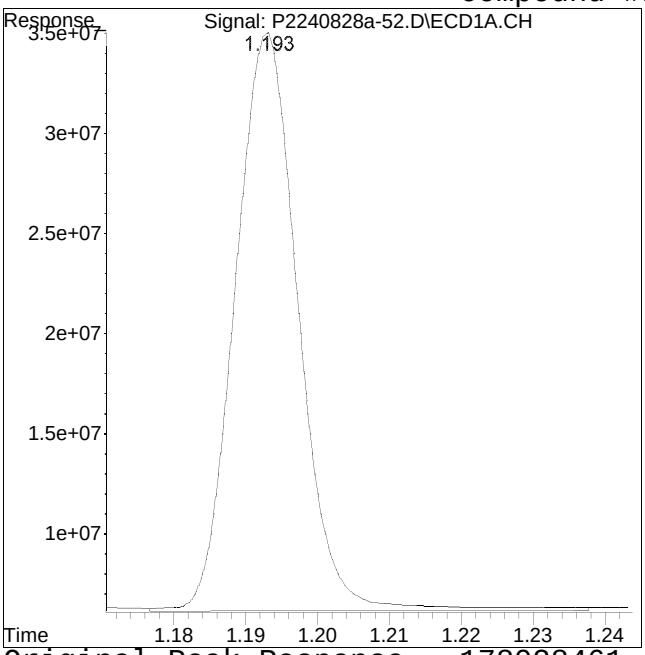
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

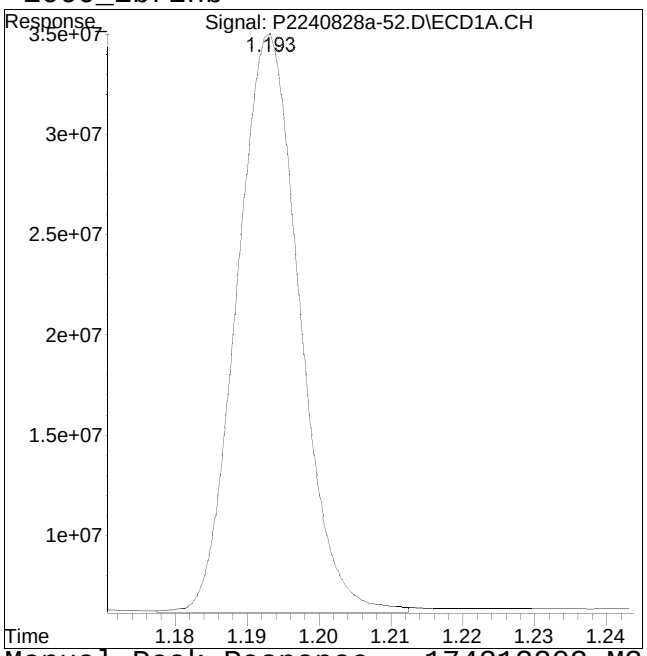


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-52.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:13 Instrument : Pest 2
Sample : L2447890-03,42,, p Quant Date : 8/29/2024 0:46 am

Compound #1: 1660_1br2nb



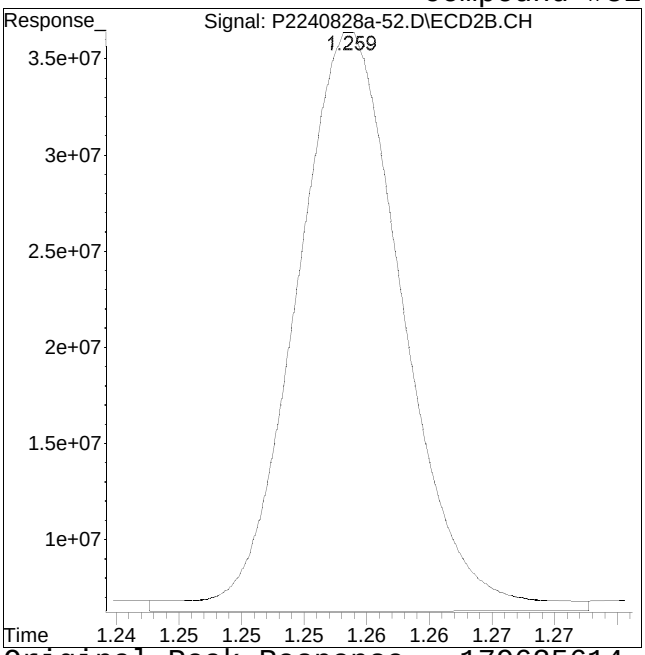


Original Peak Response = 178028461 Manual Peak Response = 174213202 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

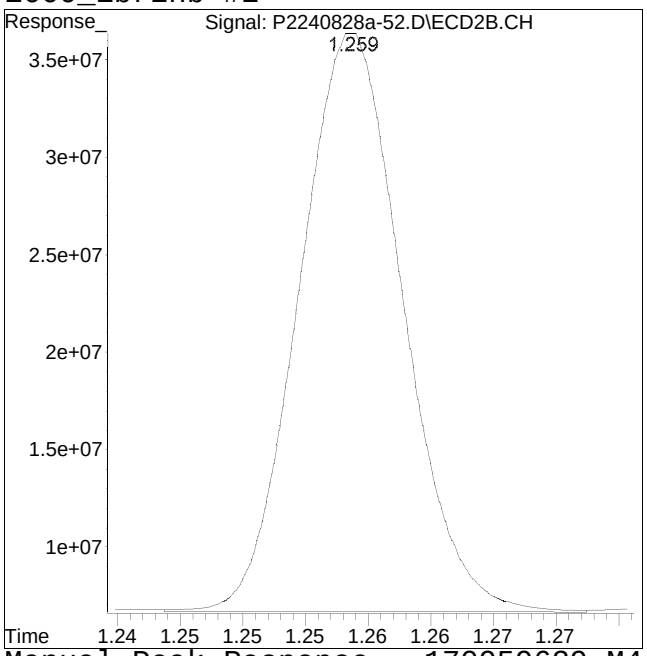
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-52.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:13 Instrument : Pest 2
Sample : L2447890-03,42,, p Quant Date : 8/29/2024 0:46 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 179625614



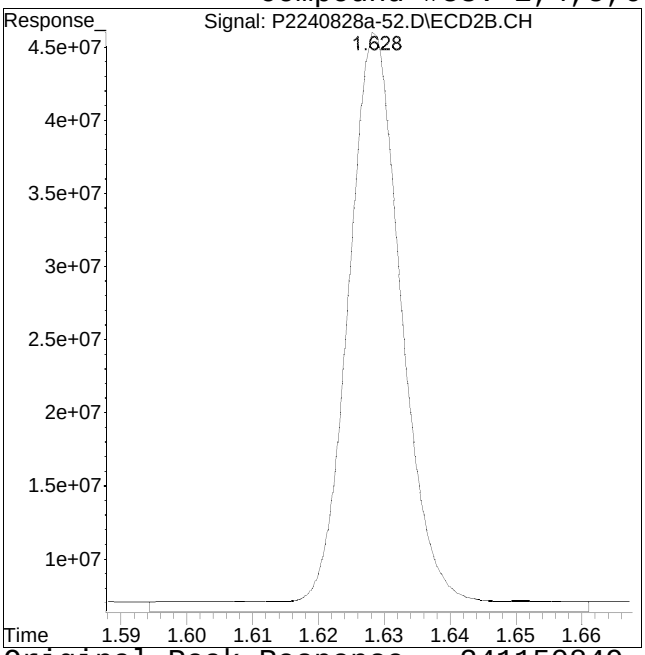
Manual Peak Response = 170959629 M4

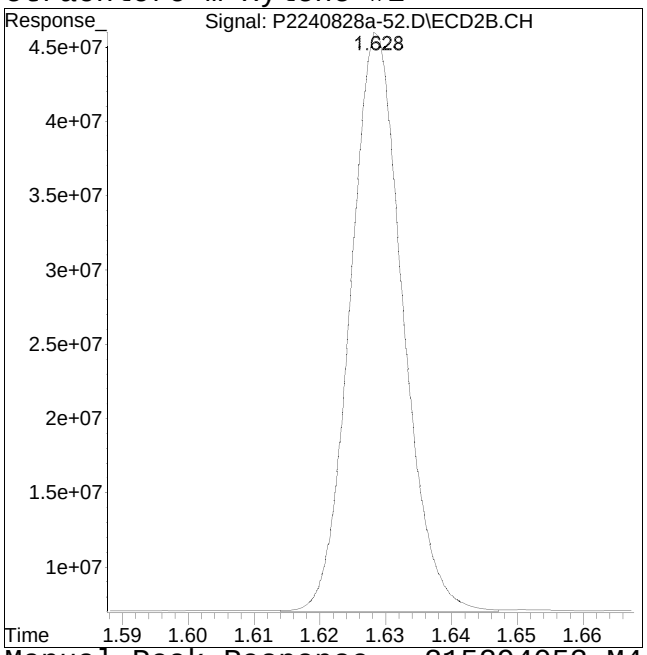
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-52.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:13 Instrument : Pest 2
Sample : L2447890-03,42,, p Quant Date : 8/29/2024 0:46 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



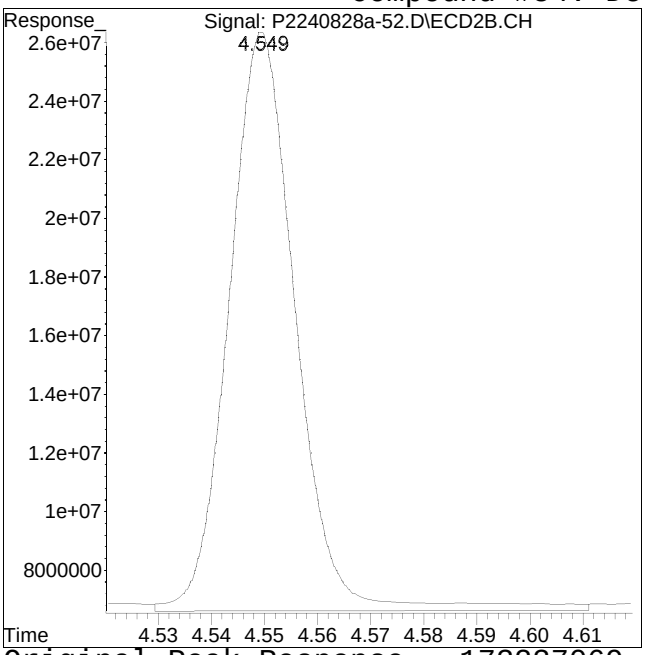


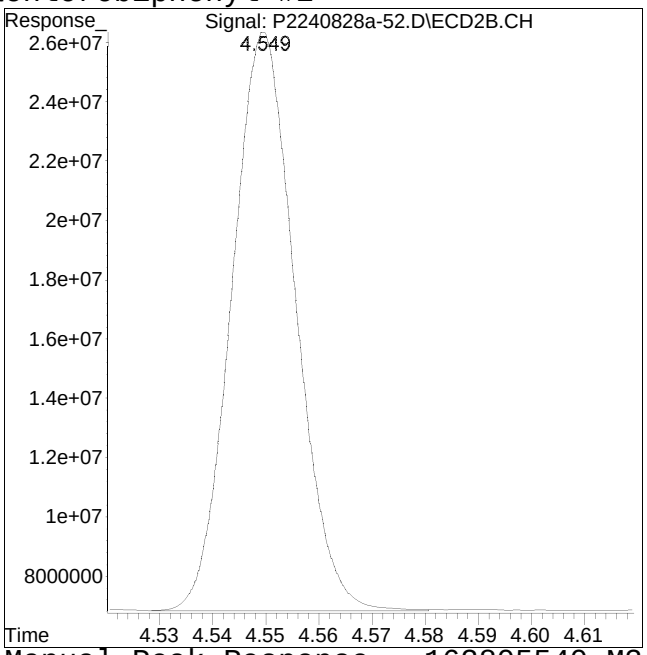
Original Peak Response = 241150849 Manual Peak Response = 215294053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-52.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:13 Instrument : Pest 2
Sample : L2447890-03,42,, p Quant Date : 8/29/2024 0:46 am

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 173237069 Manual Peak Response = 162805540 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-49.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:57
Operator : pest2:AD
Sample : L2447890-01,42,,
Misc : WG1965377,WG1965202,ical21389 (Sig #1); WG1965377,WG1965068,ical21389 (Sig #2)
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:53 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	183.8E6	185.6E6	25.000	25.000M3
	Standard Area 1 : #1 = 191409127				Recovery =	96.00%	
	Standard Area 1 : #2 = 190535960				Recovery =	97.42%	
14) i	2154_1br2nb	1.193	1.258	183.8E6	185.6E6	25.000	25.000M3
23) i	4268_1br2nb	1.193	1.258	183.8E6	185.6E6	25.000	25.000M3
34) i	1248_1br2nb	1.193	1.258	183.8E6	185.6E6	25.000	25.000M3
40) i	3262_1br2nb	1.193	1.258	183.8E6	185.6E6	25.000	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	195.7E6	218.7E6	16.539	19.497
	Spiked Amount 20.000	Range 30 - 150			Recovery =	82.70%	97.48%
3) s	Decachlorobi	4.039	4.549	154.7E6	157.7E6	17.919M1	21.063
	Spiked Amount 20.000	Range 30 - 150			Recovery =	89.59%	105.32%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-49.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:57
Operator : pest2:AD
Sample : L2447890-01,42,,
Misc : WG1965377,WG1965202,ical21389 (Sig #1); WG1965377,WG1965068,ical21389 (Sig #2)
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:53 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-49.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:57
Operator : pest2:AD
Sample : L2447890-01,42,,
Misc : WG1965377,WG1965202,ical21389 (Sig #1); WG1965377,WG1965068,ical21389 (Sig #2)
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:53 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-49.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:57
Operator : pest2:AD
Sample : L2447890-01,42,,
Misc : WG1965377,WG1965202,ical21389 (Sig #1); WG1965377,WG1965068,ical21389 (Sig #2)
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:53 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

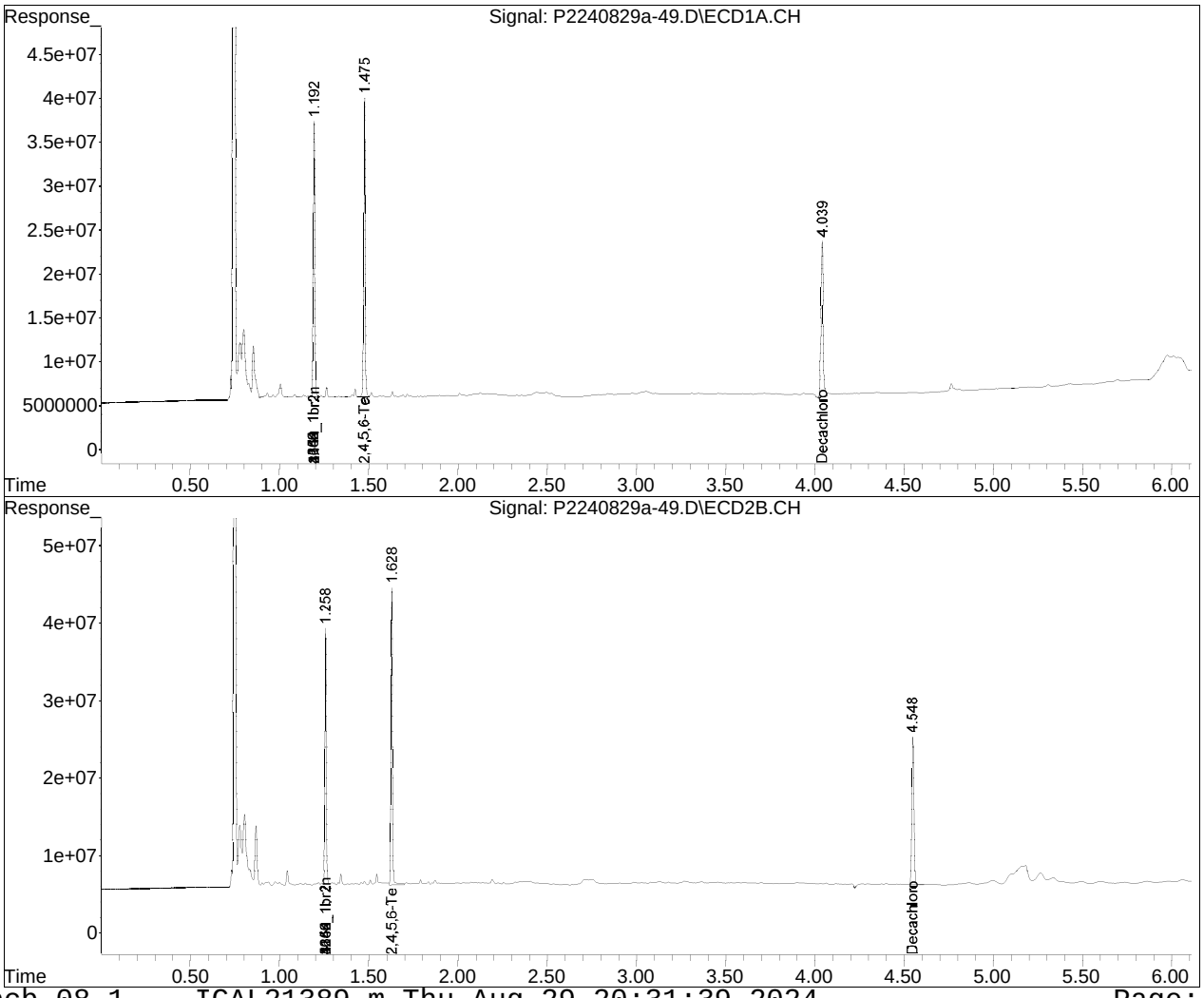
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-49.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:57
Operator : pest2:AD
Sample : L2447890-01,42,,
Misc : WG1965377,WG1965202,ical21389 (Sig #1); WG1965377,WG1965068,ical21
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:53 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

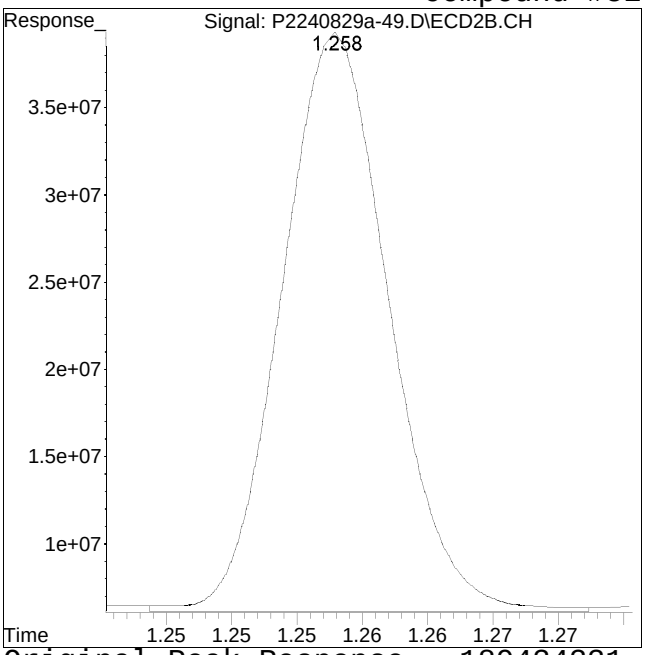
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

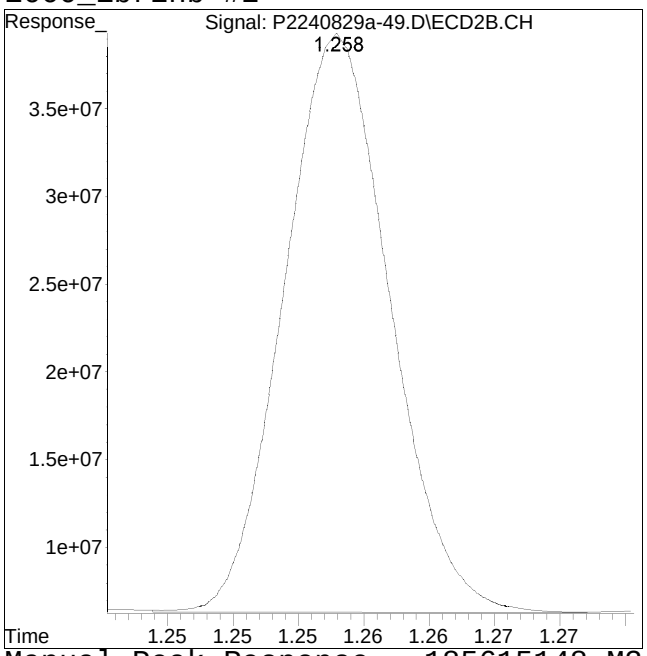


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-49.D Operator : pest2:AD
Date Inj'd : 8/29/2024 16:57 Instrument : Pest 2
Sample : L2447890-01,42,, Quant Date : 8/29/2024 8:28 pm

Compound #52: 1660_1br2nb #2



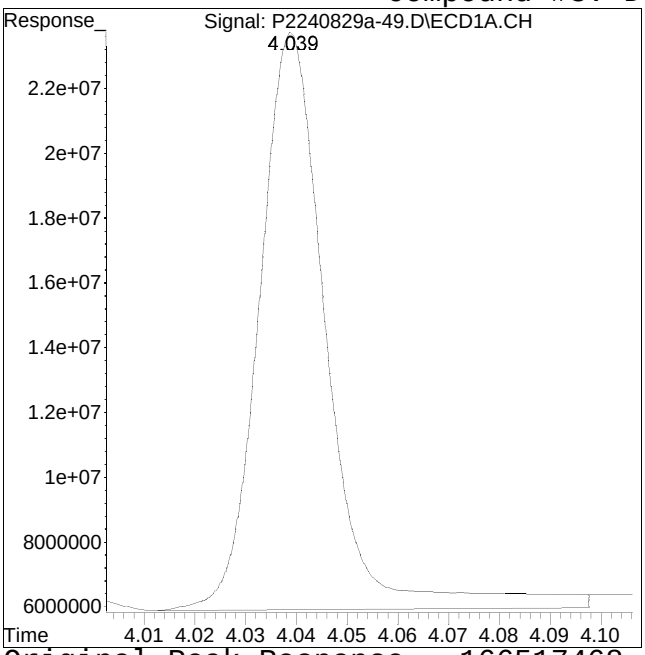


Original Peak Response = 189434331 Manual Peak Response = 185615148 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

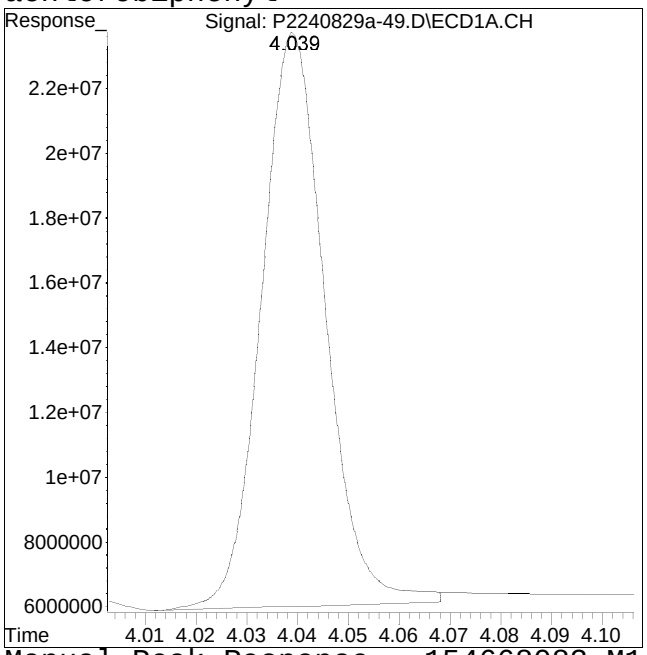
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-49.D Operator : pest2:AD
Date Inj'd : 8/29/2024 16:57 Instrument : Pest 2
Sample : L2447890-01,42,, Quant Date : 8/29/2024 8:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 166517468



Manual Peak Response = 154668083 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:07
Operator : pest2:AD
Sample : L2447890-02,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:56 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.258	190.5E6	193.7E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery = 99.50%		
	Standard Area 1 : #2 = 190535960				Recovery = 101.68%		
14) i	2154_1br2nb	1.192	1.258	190.5E6	193.7E6	25.000M3	25.000M4
23) i	4268_1br2nb	1.192	1.258	190.5E6	193.7E6	25.000M3	25.000M4
34) i	1248_1br2nb	1.192	1.258	190.5E6	193.7E6	25.000M3	25.000M4
40) i	3262_1br2nb	1.192	1.258	190.5E6	193.7E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	206.7E6	221.8E6	16.854M2	18.945M3
	Spiked Amount 20.000	Range 30 - 150			Recovery = 84.27%		94.73%
3) s	Decachlorobi	4.039	4.548	160.6E6	159.9E6	17.951M4	20.453M2
	Spiked Amount 20.000	Range 30 - 150			Recovery = 89.76%		102.27%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:07
Operator : pest2:AD
Sample : L2447890-02,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:56 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:07
Operator : pest2:AD
Sample : L2447890-02,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:56 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:07
Operator : pest2:AD
Sample : L2447890-02,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:56 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

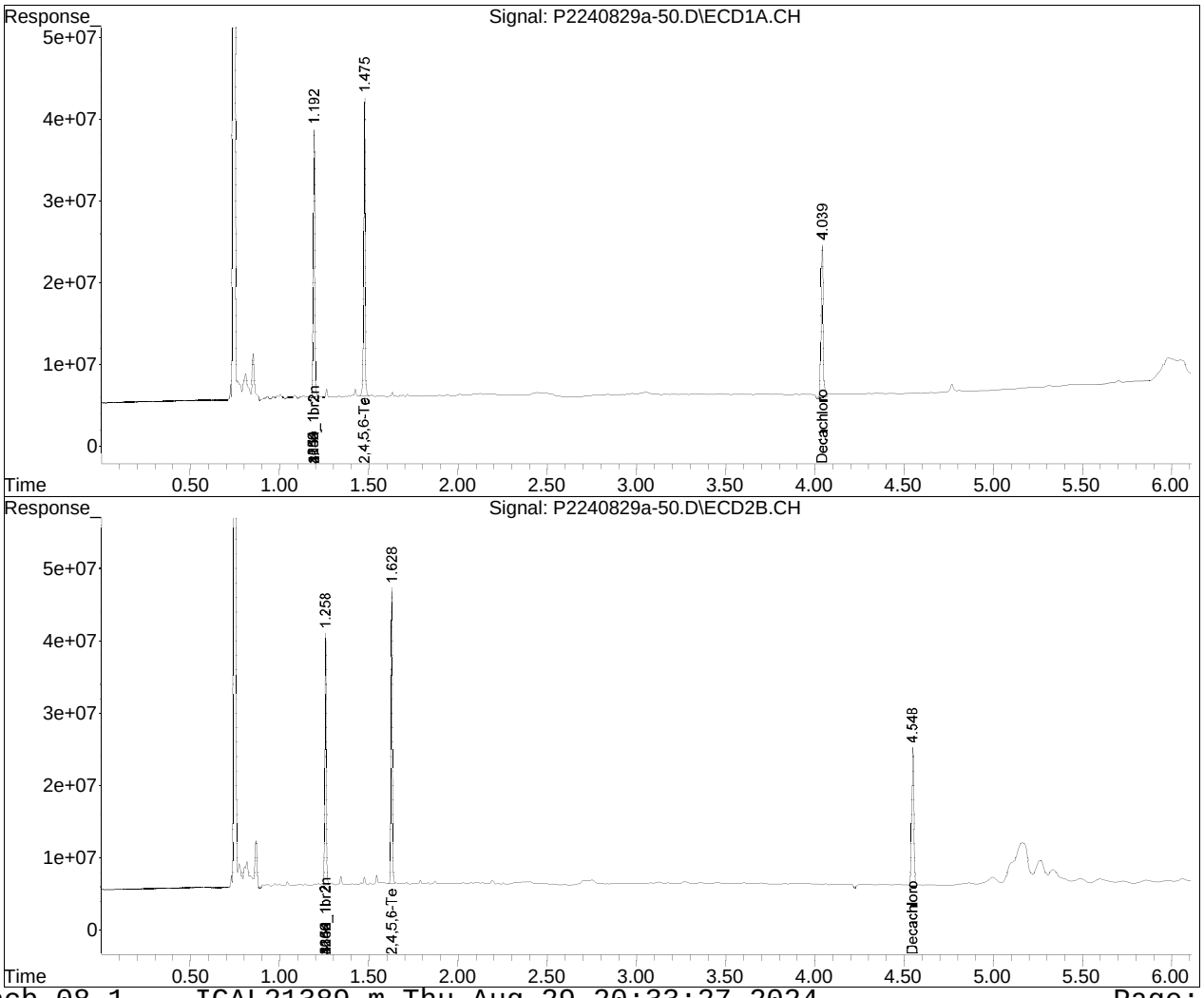
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-50.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:07
Operator : pest2:AD
Sample : L2447890-02,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:56 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

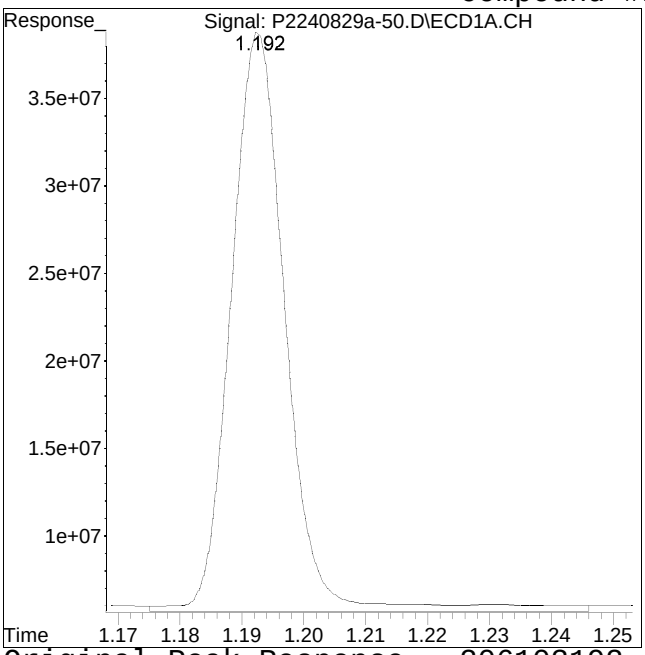
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

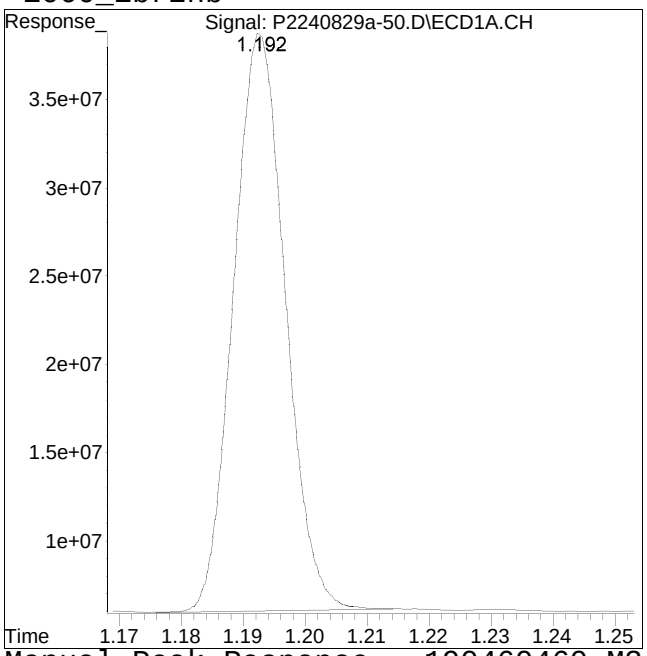


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #1: 1660_1br2nb



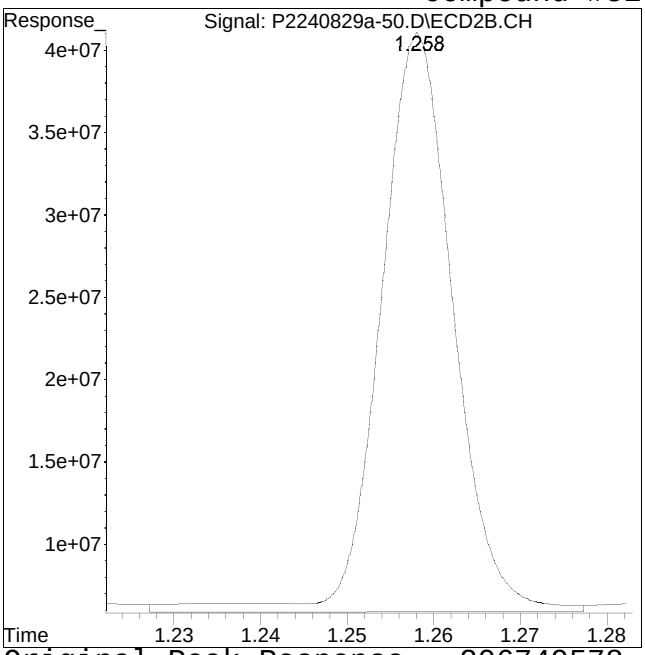


Original Peak Response = 206103192 Manual Peak Response = 190460460 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

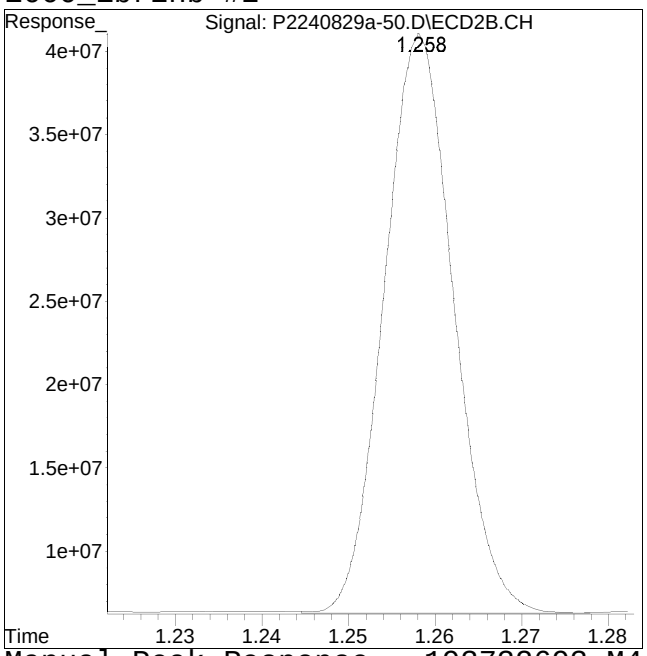
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 206749578



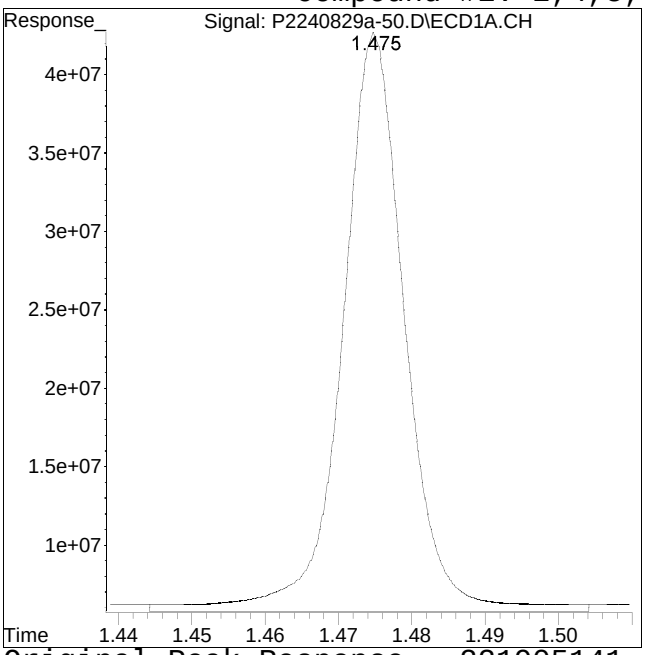
Manual Peak Response = 193732693 M4

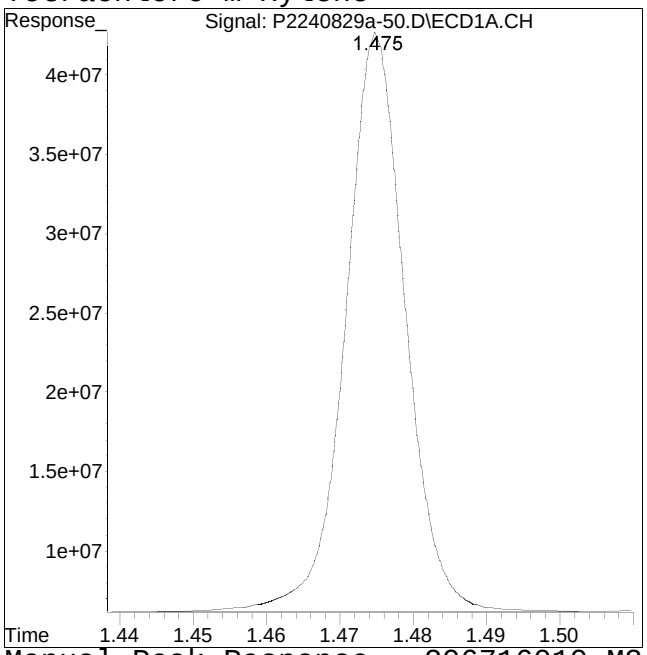
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



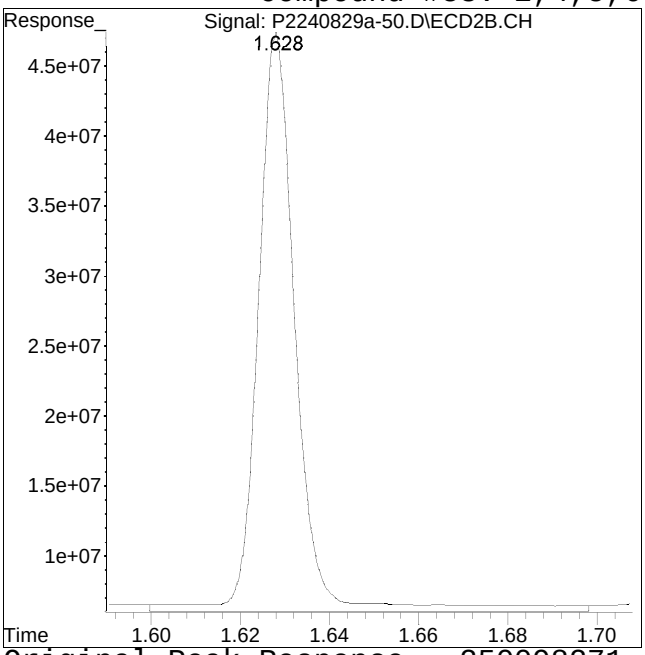


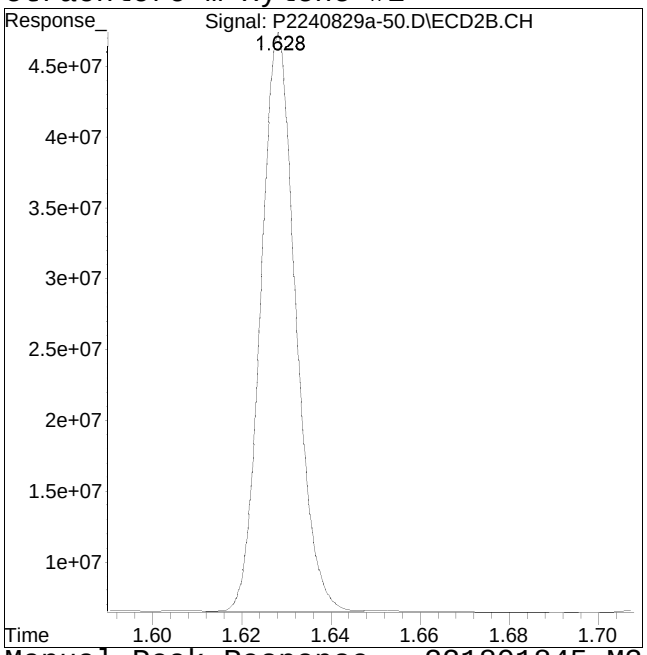
Original Peak Response = 221905141 Manual Peak Response = 206716010 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



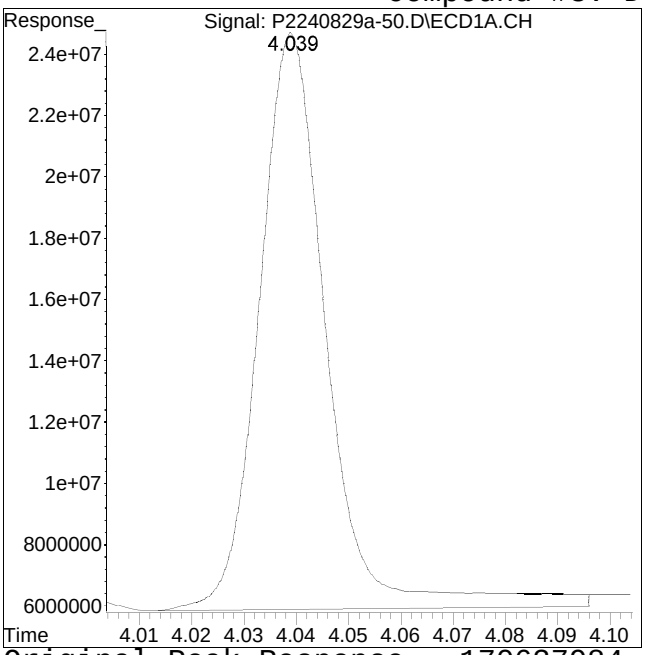


Original Peak Response = 250098271 Manual Peak Response = 221801845 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

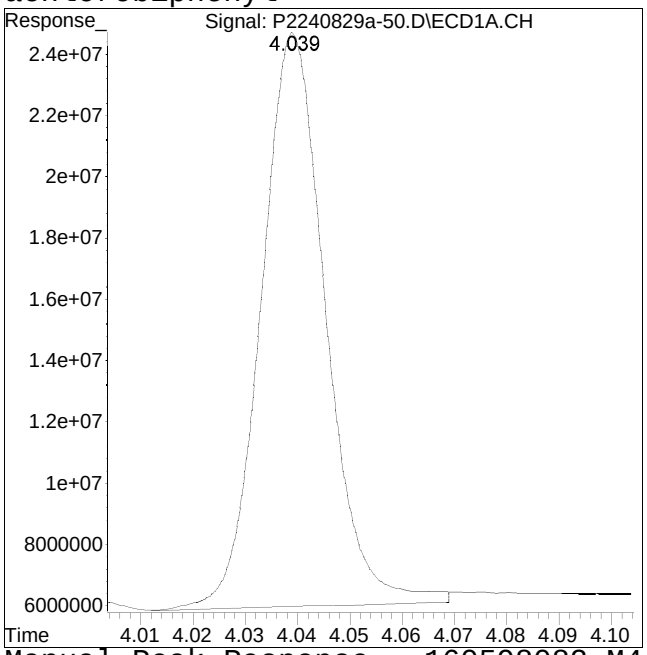
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 170637984



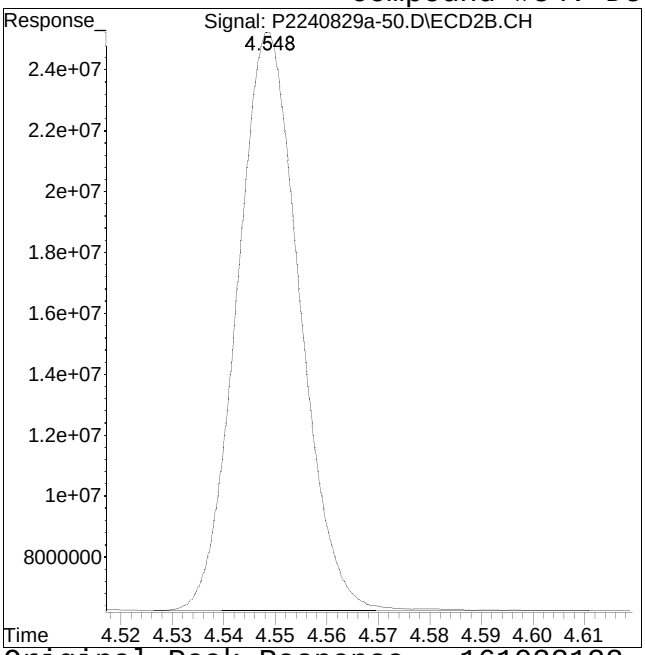
Manual Peak Response = 160598082 M4

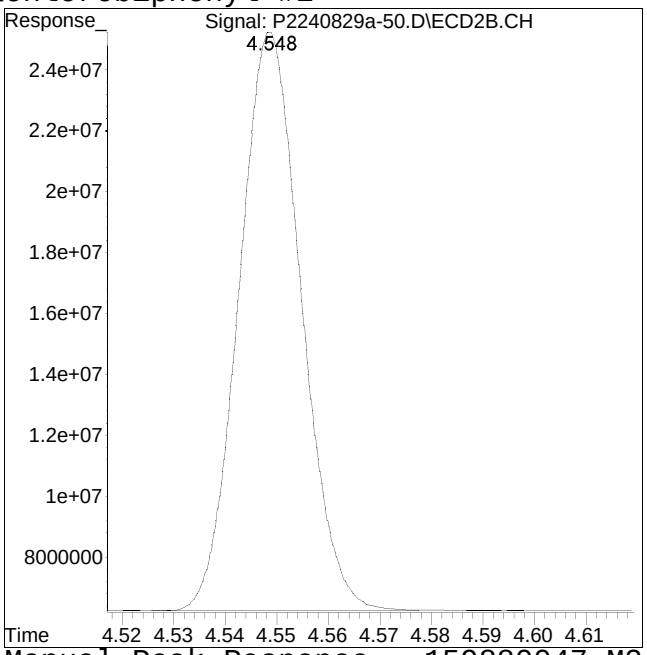
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-50.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:07 Instrument : Pest 2
Sample : L2447890-02,42,, Quant Date : 8/29/2024 8:28 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 161022122 Manual Peak Response = 159880047 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:16
Operator : pest2:AD
Sample : L2447890-04,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:59 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	194.1E6	197.0E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery = 101.41%		
	Standard Area 1 : #2 = 190535960				Recovery = 103.41%		
14) i	2154_1br2nb	1.193	1.258	194.1E6	197.0E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.193	1.258	194.1E6	197.0E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.193	1.258	194.1E6	197.0E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.193	1.258	194.1E6	197.0E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	211.7E6	229.6E6	16.933M3	19.284M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 84.67%		96.42%
3) s	Decachlorobi	4.039	4.549	176.0E6	172.7E6	19.306	21.719
	Spiked Amount 20.000	Range 30 - 150			Recovery = 96.53%		108.60%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:16
Operator : pest2:AD
Sample : L2447890-04,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:59 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:16
Operator : pest2:AD
Sample : L2447890-04,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:59 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:16
Operator : pest2:AD
Sample : L2447890-04,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:59 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

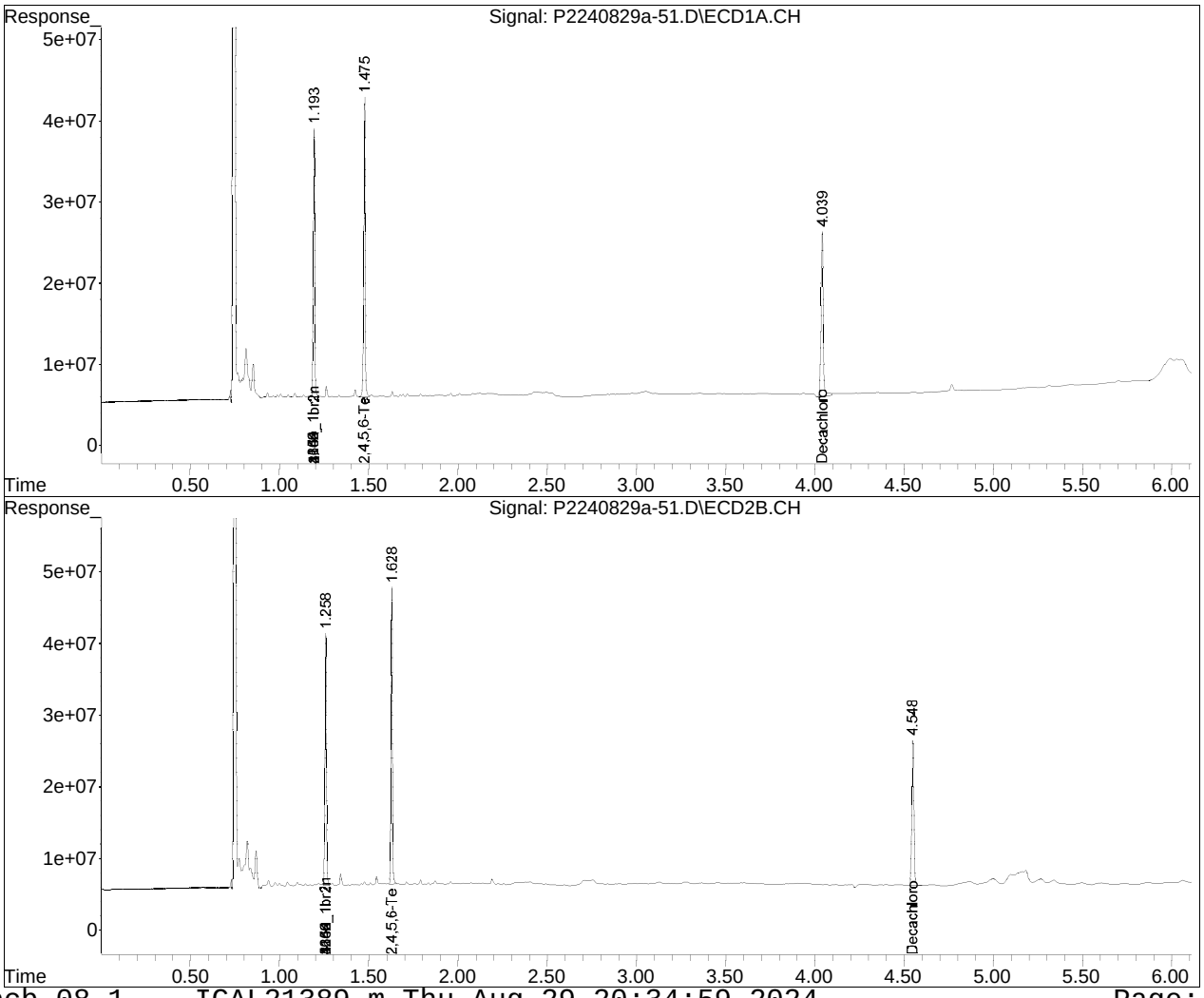
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-51.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:16
Operator : pest2:AD
Sample : L2447890-04,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:28:59 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

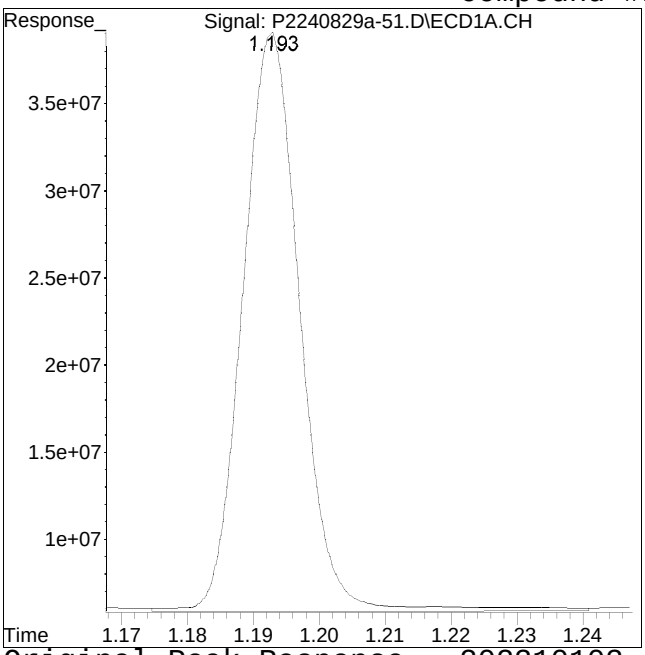
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

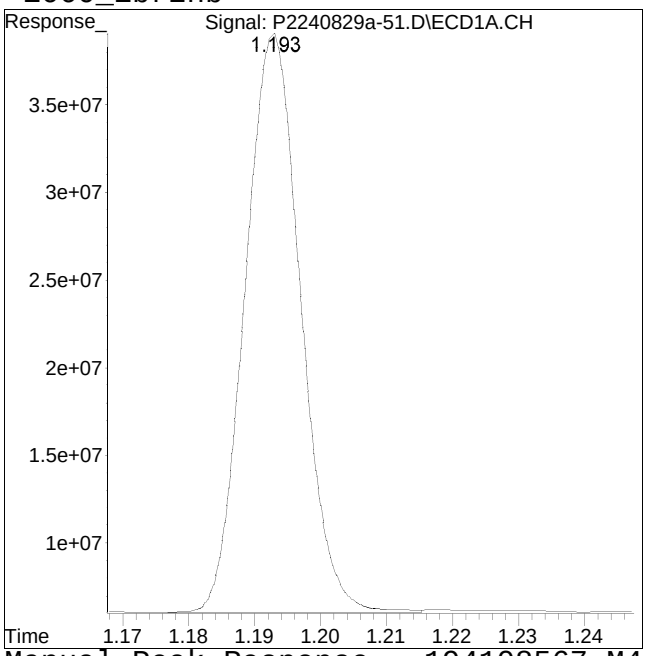


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-51.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:16 Instrument : Pest 2
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:28 pm

Compound #1: 1660_1br2nb



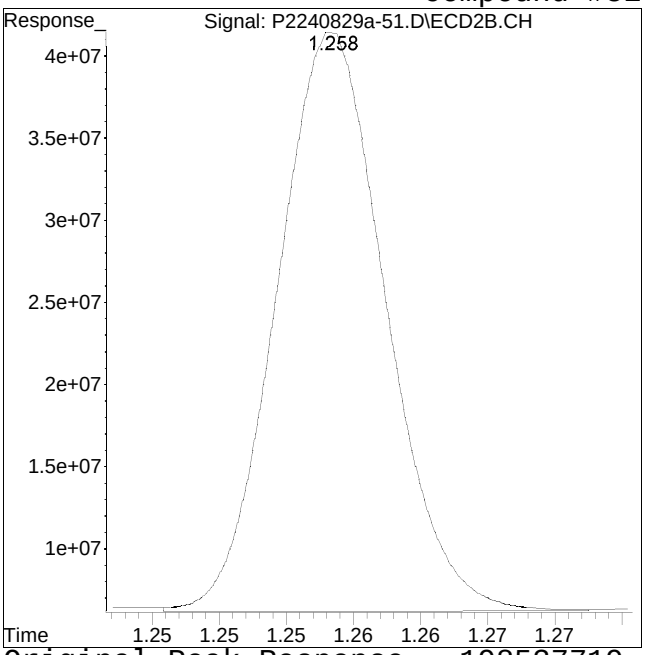


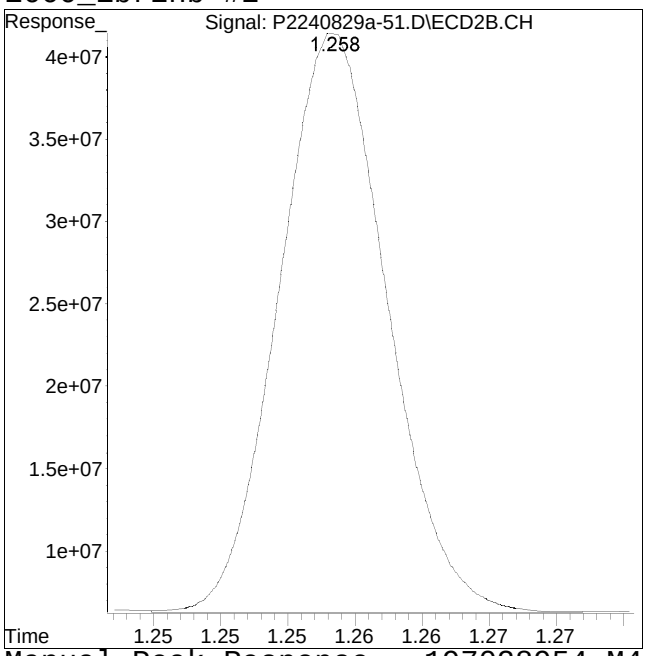
Original Peak Response = 202310103 Manual Peak Response = 194108567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-51.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:16 Instrument : Pest 2
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:28 pm

Compound #52: 1660_1br2nb #2



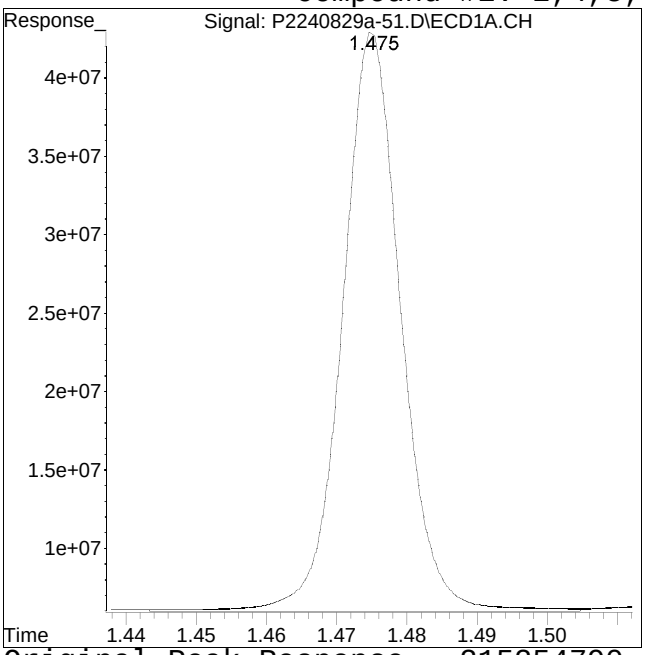


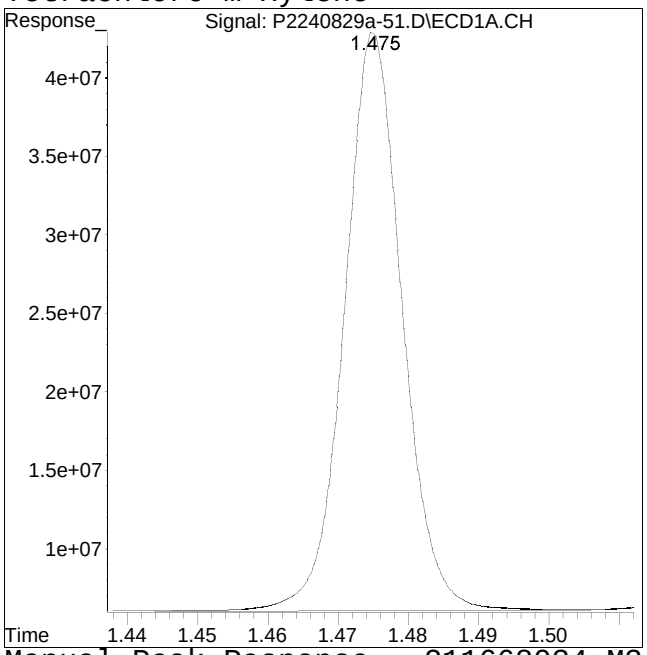
Original Peak Response = 198537719 Manual Peak Response = 197028954 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-51.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:16 Instrument : Pest 2
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:28 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



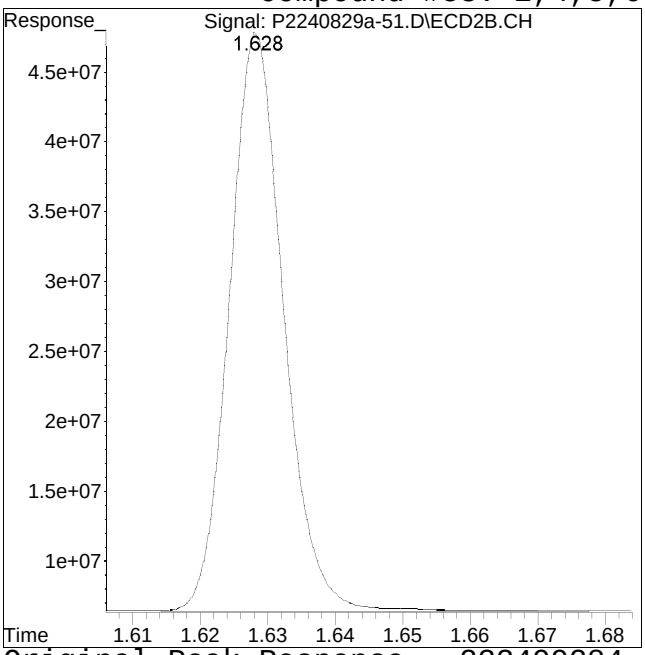


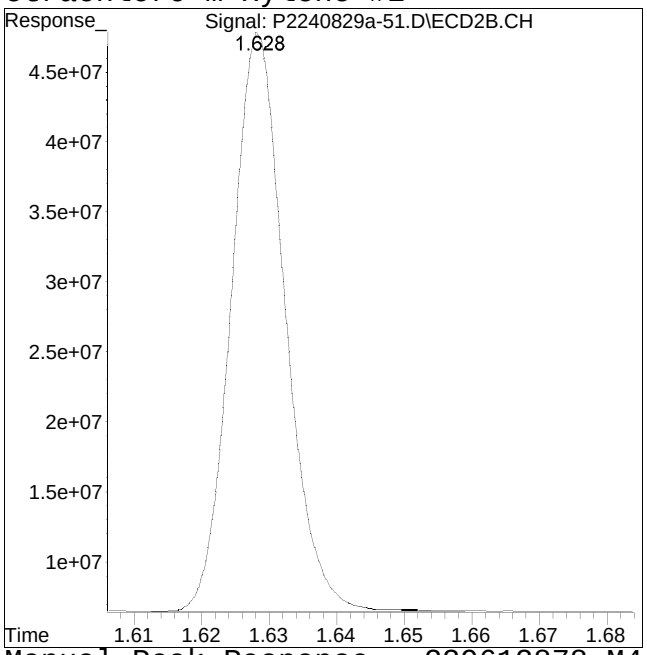
Original Peak Response = 215254790 Manual Peak Response = 211668034 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-51.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:16 Instrument : Pest 2
Sample : L2447890-04,42,, Quant Date : 8/29/2024 8:28 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2





Original Peak Response = 233499284 Manual Peak Response = 229612878 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:25
Operator : pest2:AD
Sample : L2447890-05,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:02 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.258	195.2E6	198.8E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery = 101.97%		
	Standard Area 1 : #2 = 190535960				Recovery = 104.35%		
14) i	2154_1br2nb	1.192	1.258	195.2E6	198.8E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.192	1.258	195.2E6	198.8E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.192	1.258	195.2E6	198.8E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.192	1.258	195.2E6	198.8E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.474	1.628	189.1E6	201.5E6	15.045M2	16.767M3
	Spiked Amount 20.000	Range 30 - 150			Recovery = 75.22%		83.83%
3) s	Decachlorobi	4.039	4.548	160.4E6	157.0E6	17.500M3	19.573M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 87.50%		97.87%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:25
Operator : pest2:AD
Sample : L2447890-05,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:02 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:25
Operator : pest2:AD
Sample : L2447890-05,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:02 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:25
Operator : pest2:AD
Sample : L2447890-05,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:02 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

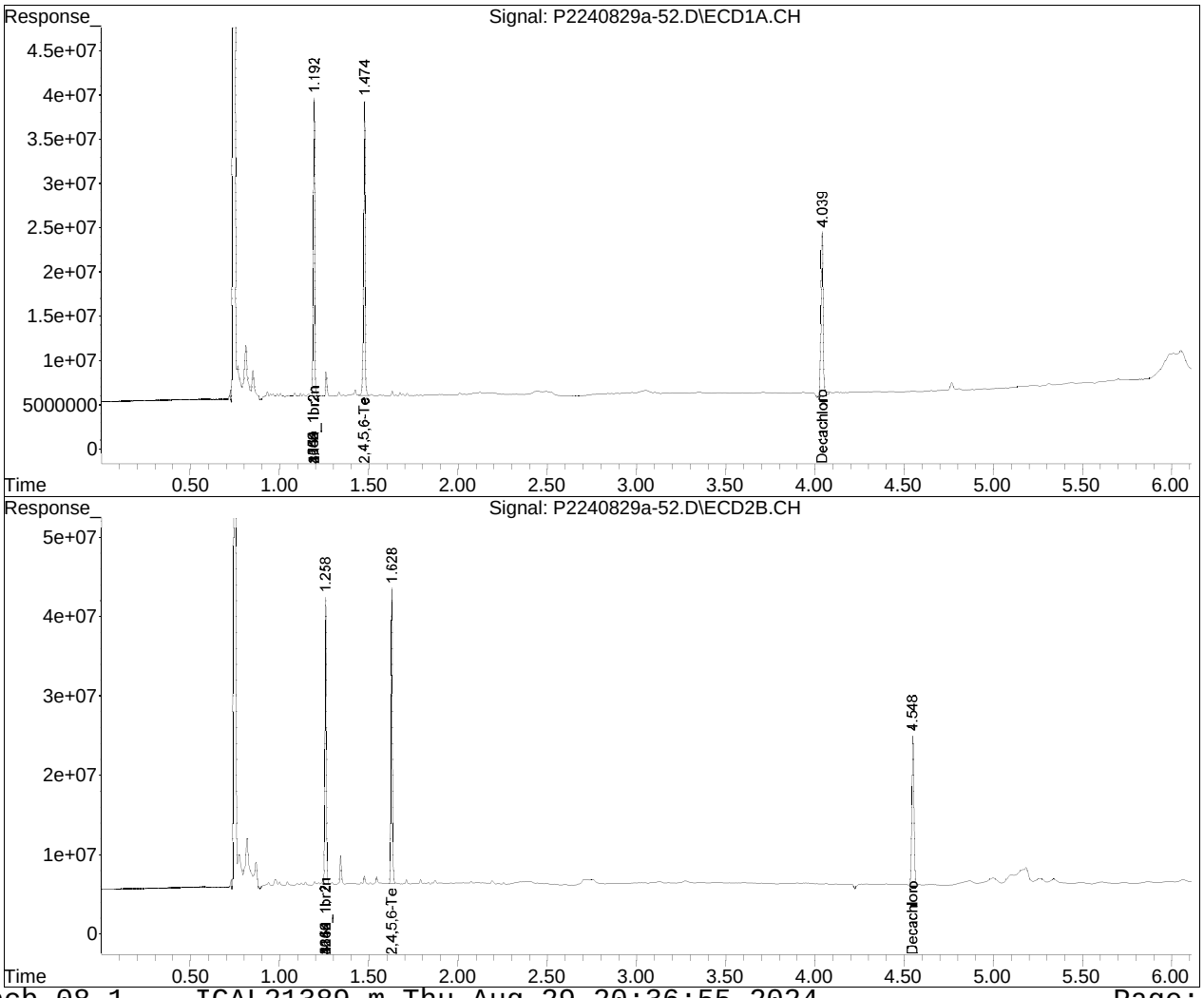
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-52.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:25
Operator : pest2:AD
Sample : L2447890-05,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:02 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

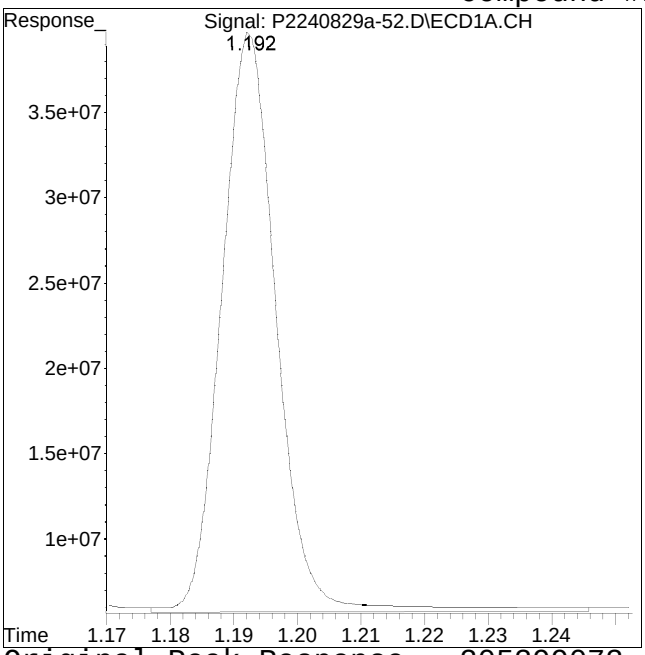
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

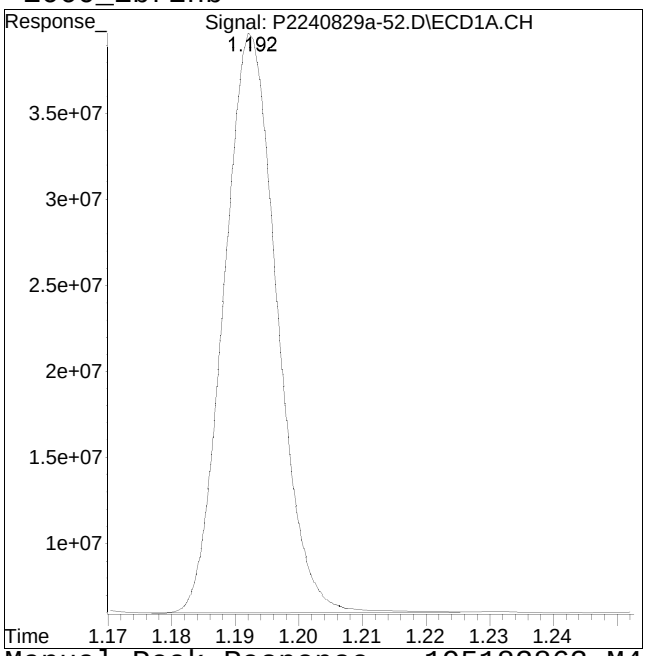


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



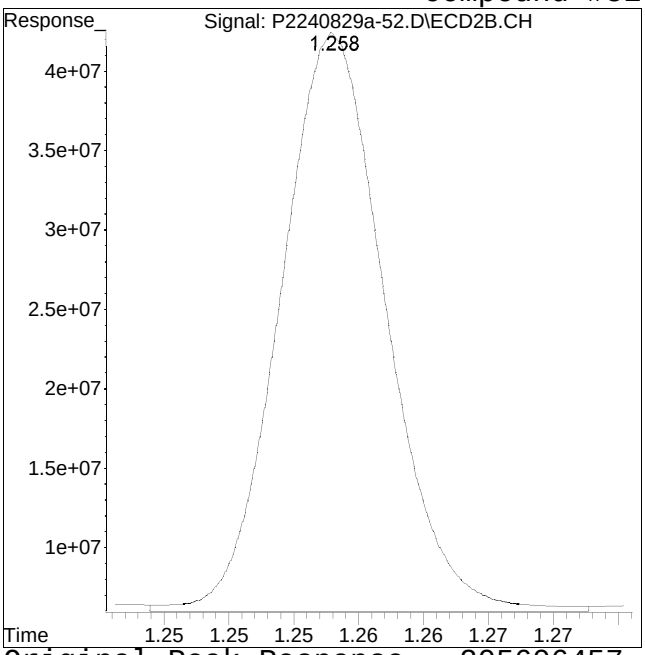


Original Peak Response = 205399073 Manual Peak Response = 195183863 M4
M4 = Poor automated baseline construction.

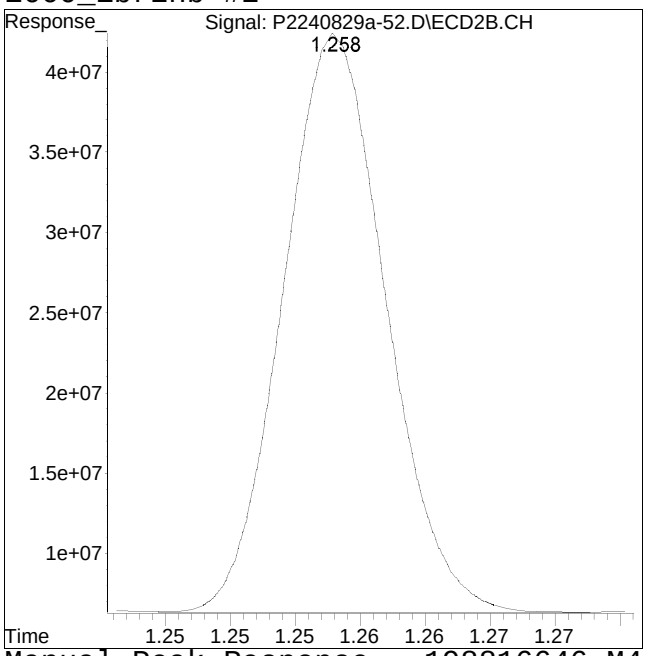
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 205606457



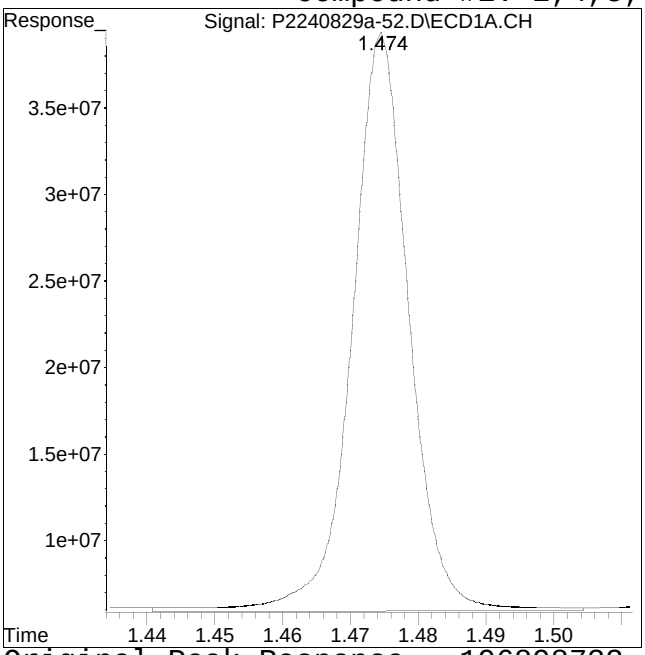
Manual Peak Response = 198816646 M4

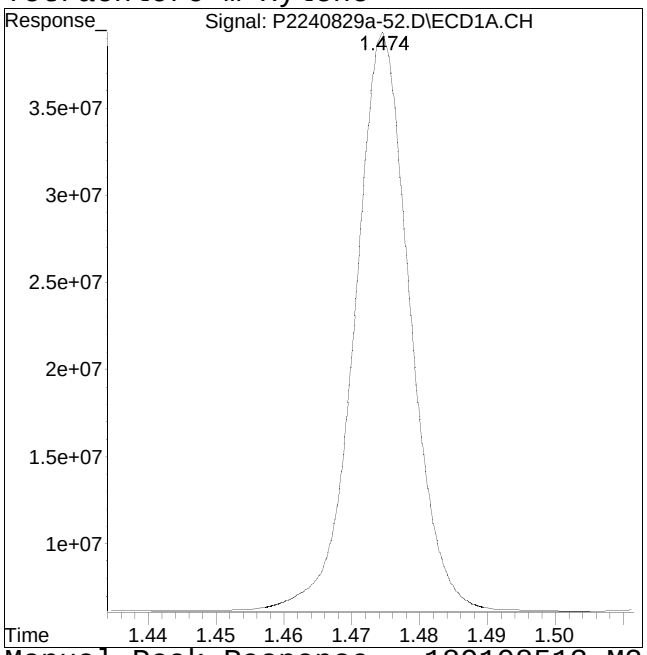
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



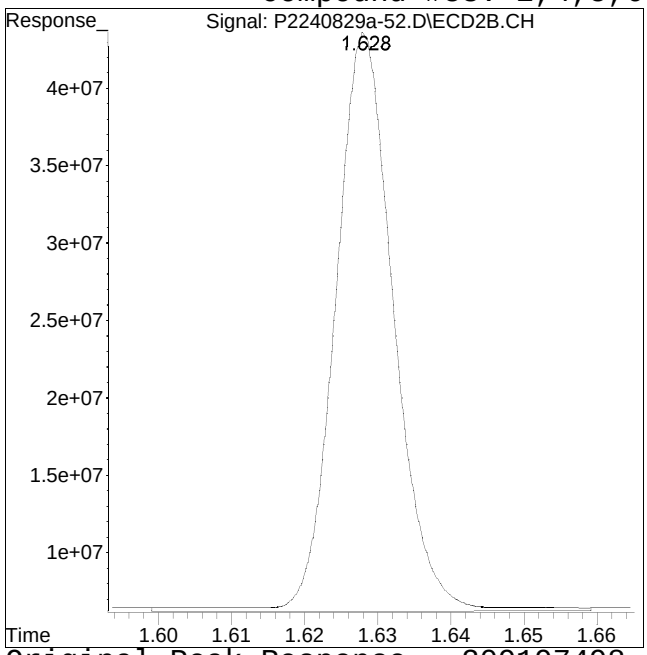


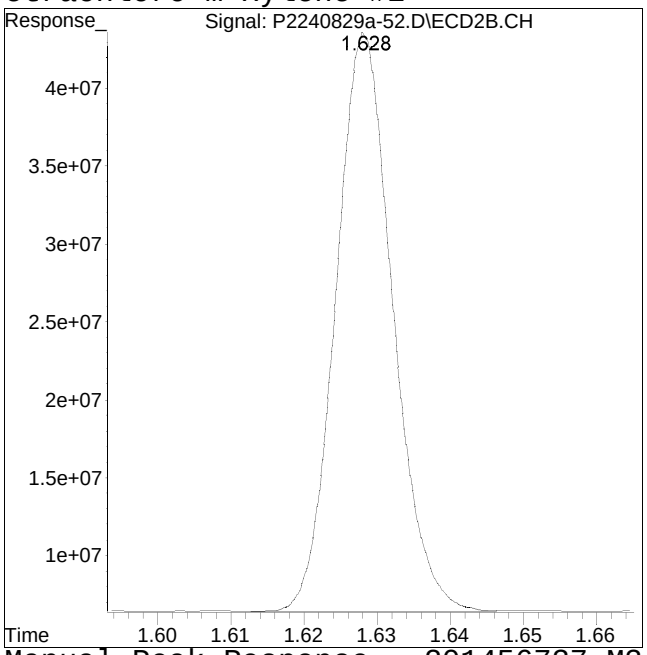
Original Peak Response = 196898733 Manual Peak Response = 189108513 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



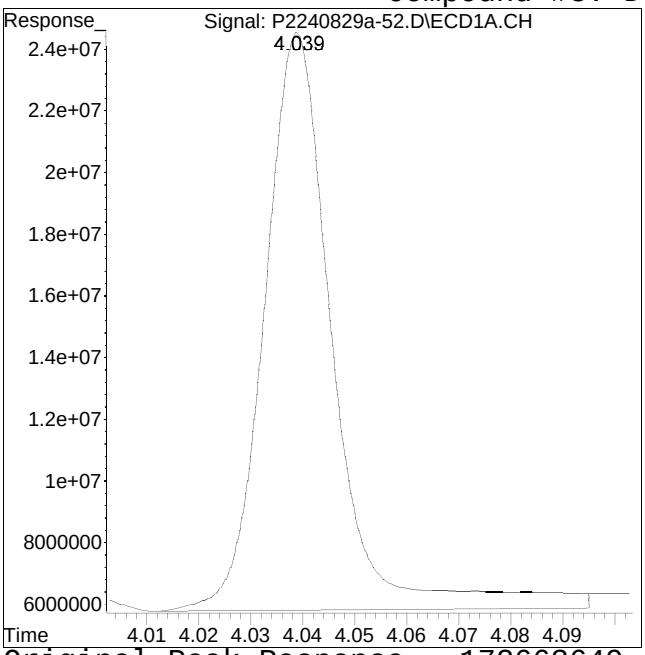


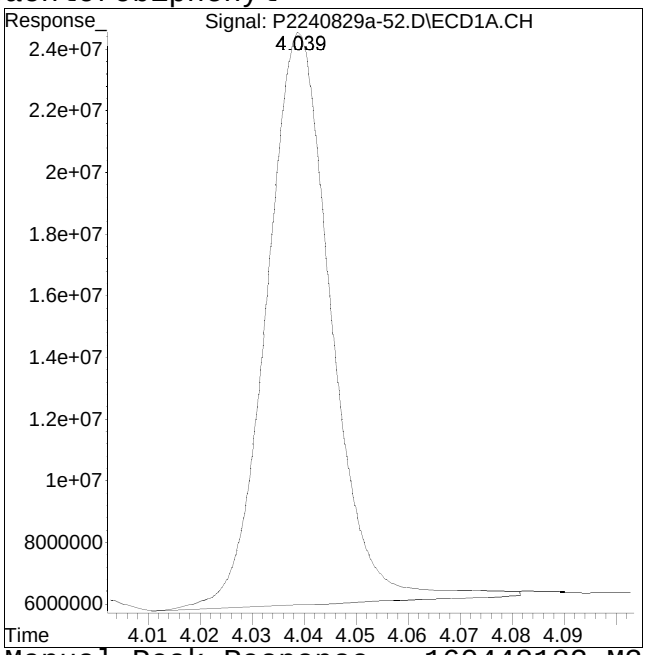
Original Peak Response = 209197498 Manual Peak Response = 201456737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



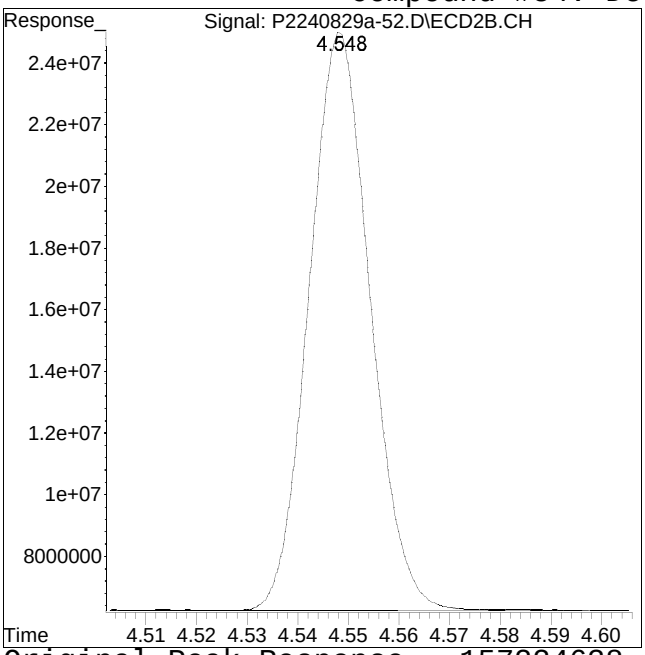


Original Peak Response = 172663649 Manual Peak Response = 160448182 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

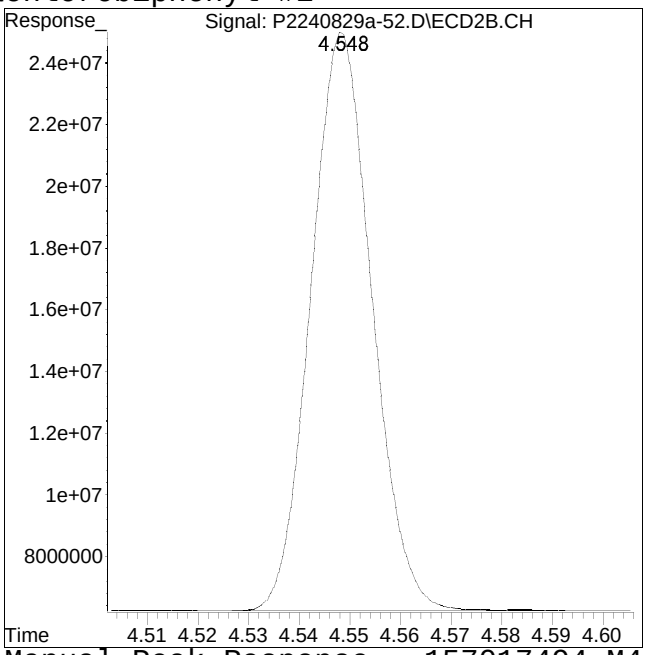
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-52.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:25 Instrument : Pest 2
Sample : L2447890-05,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 157224638



Manual Peak Response = 157017494 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:35
Operator : pest2:AD
Sample : L2447890-06,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:05 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	183.2E6	188.6E6	25.000M3	25.000M2
	Standard Area 1 : #1 = 191409127				Recovery =	95.72%	
	Standard Area 1 : #2 = 190535960				Recovery =	98.97%	
14) i	2154_1br2nb	1.193	1.258	183.2E6	188.6E6	25.000M3	25.000M2
23) i	4268_1br2nb	1.193	1.258	183.2E6	188.6E6	25.000M3	25.000M2
34) i	1248_1br2nb	1.193	1.258	183.2E6	188.6E6	25.000M3	25.000M2
40) i	3262_1br2nb	1.193	1.258	183.2E6	188.6E6	25.000M3	25.000M2
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.629	190.6E6	206.3E6	16.155M2	18.106
	Spiked Amount 20.000	Range 30 - 150			Recovery =	80.78%	90.53%
3) s	Decachlorobi	4.040	4.549	165.6E6	174.0E6	19.247M1	22.869M3
	Spiked Amount 20.000	Range 30 - 150			Recovery =	96.23%	114.35%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:35
Operator : pest2:AD
Sample : L2447890-06,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:05 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:35
Operator : pest2:AD
Sample : L2447890-06,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:05 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:35
Operator : pest2:AD
Sample : L2447890-06,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:05 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

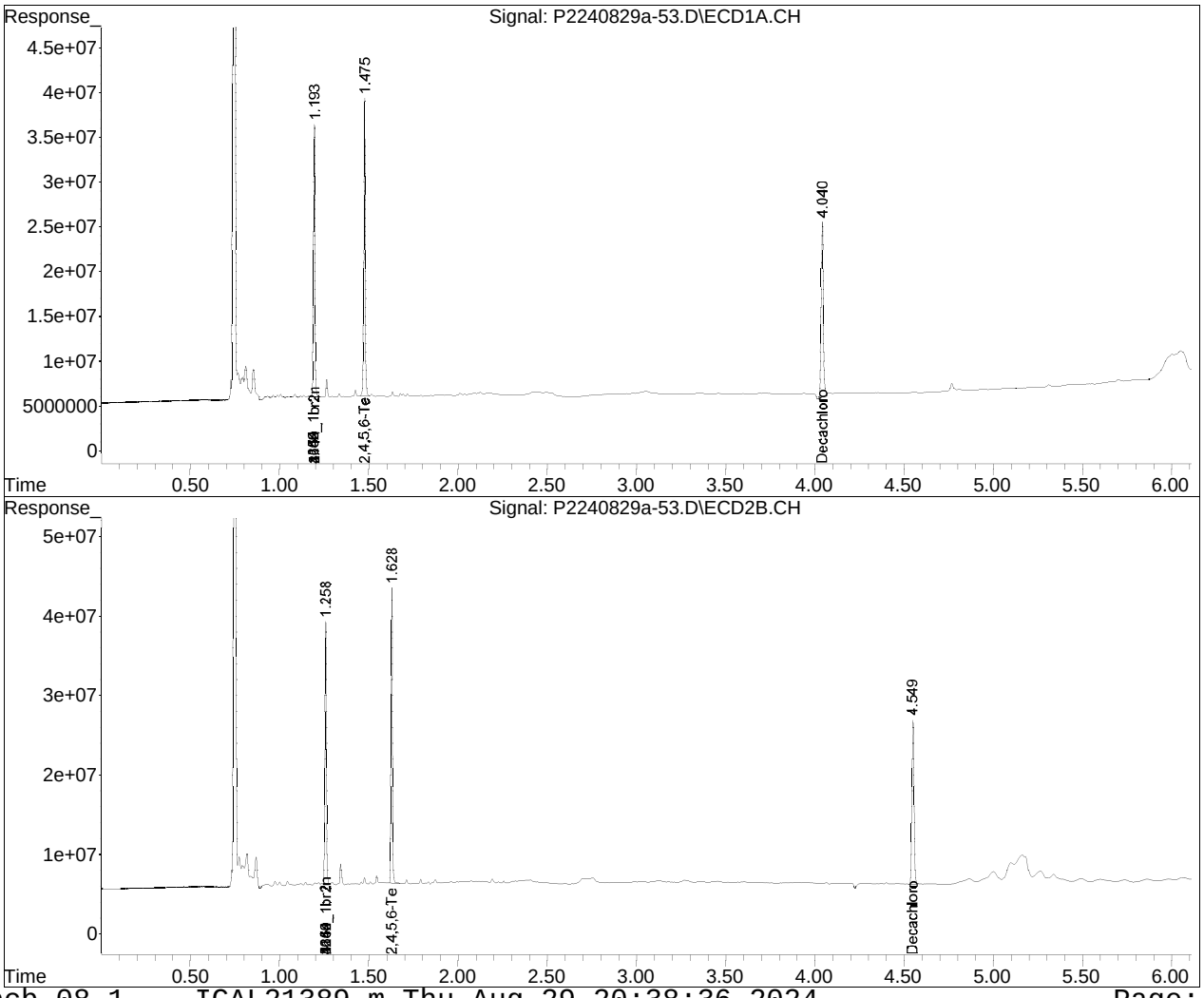
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:35
Operator : pest2:AD
Sample : L2447890-06,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:05 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

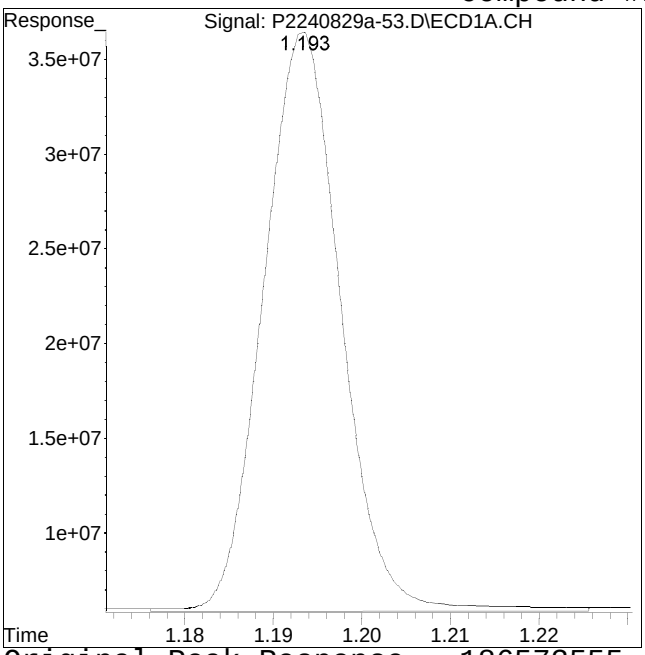
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

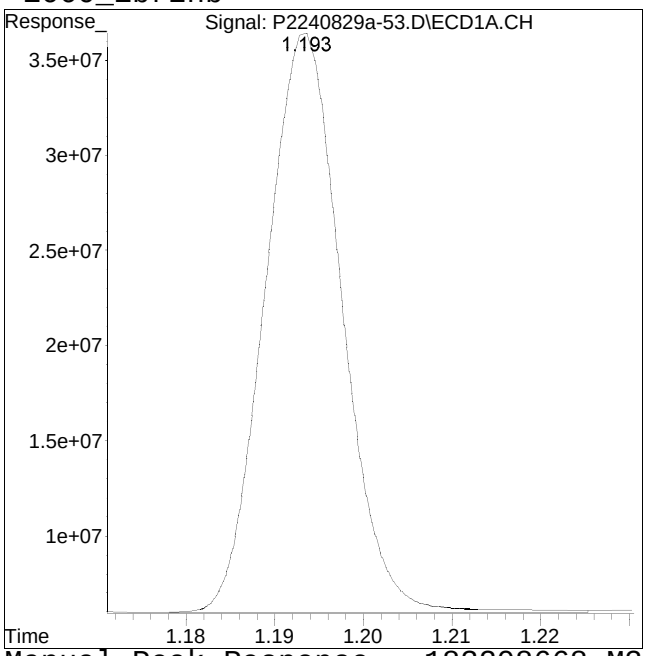


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-53.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:35 Instrument : Pest 2
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



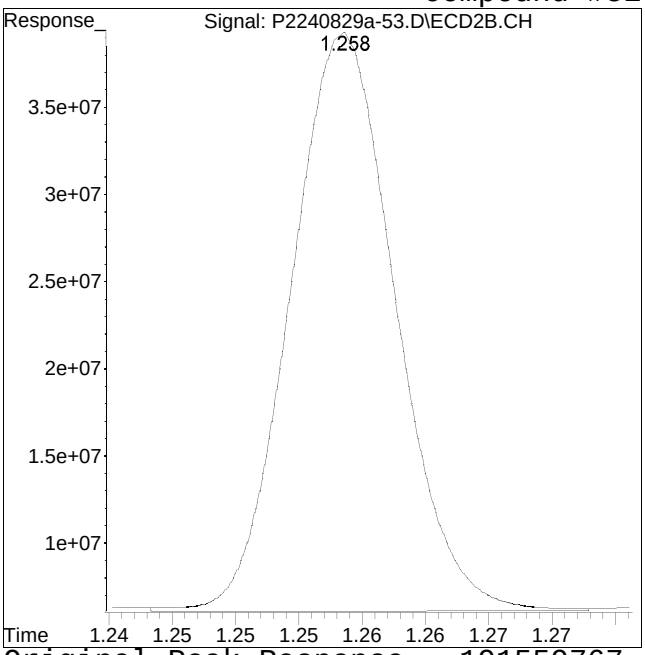


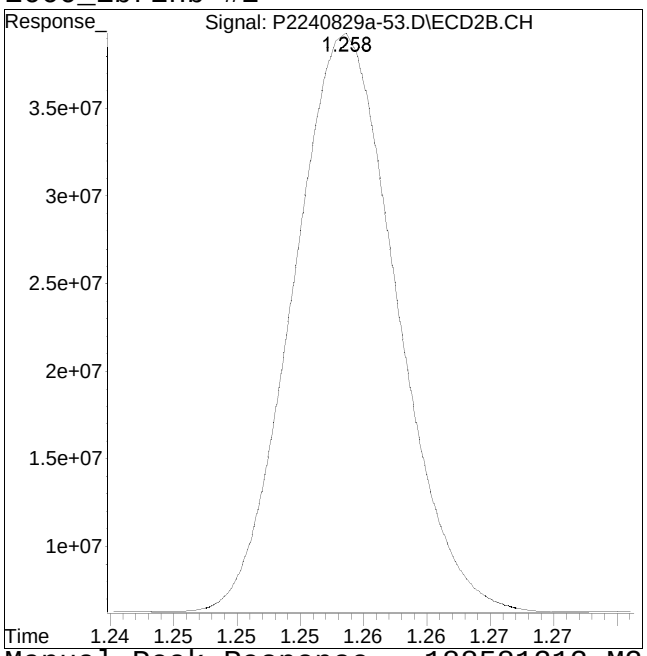
Original Peak Response = 186573555 Manual Peak Response = 183208668 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-53.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:35 Instrument : Pest 2
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



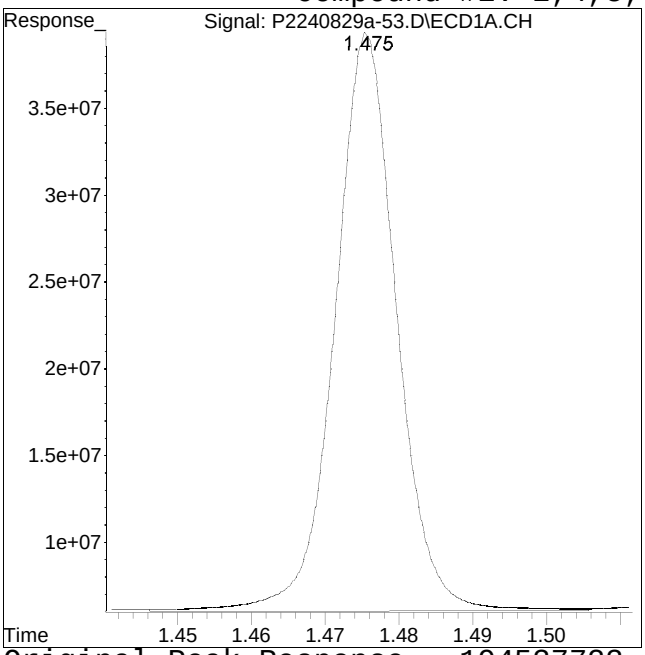


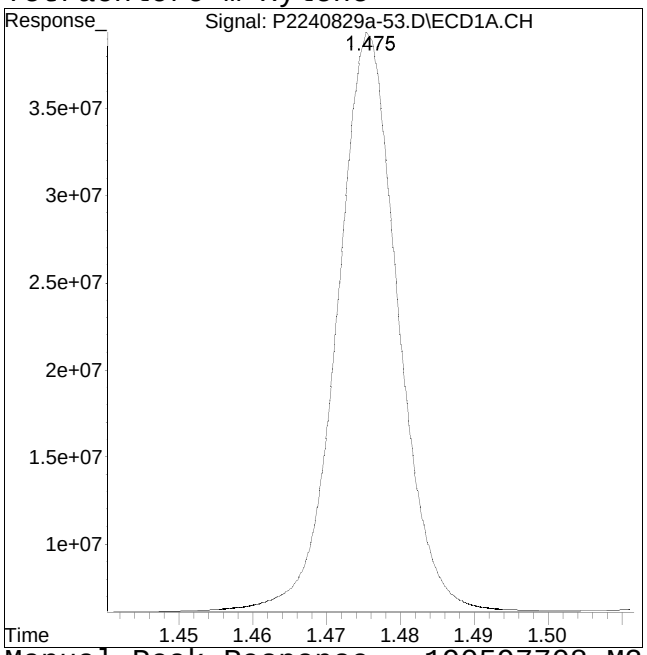
Original Peak Response = 191559767 Manual Peak Response = 188581212 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-53.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:35 Instrument : Pest 2
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



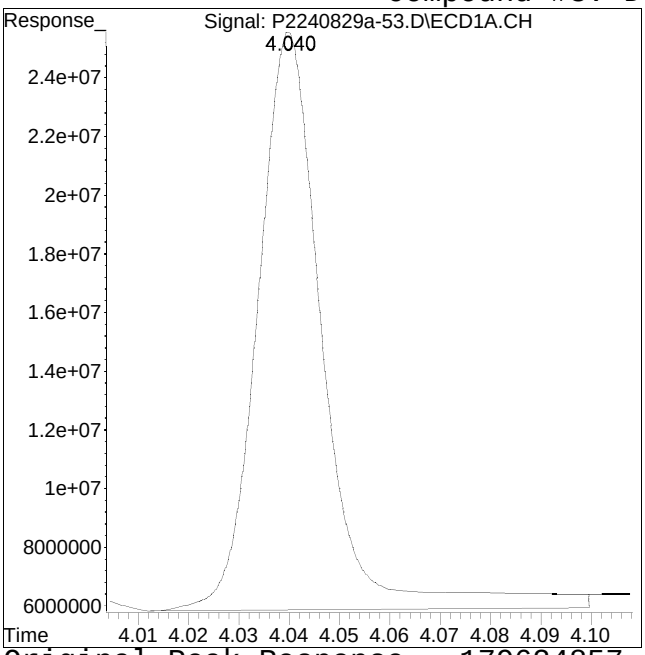


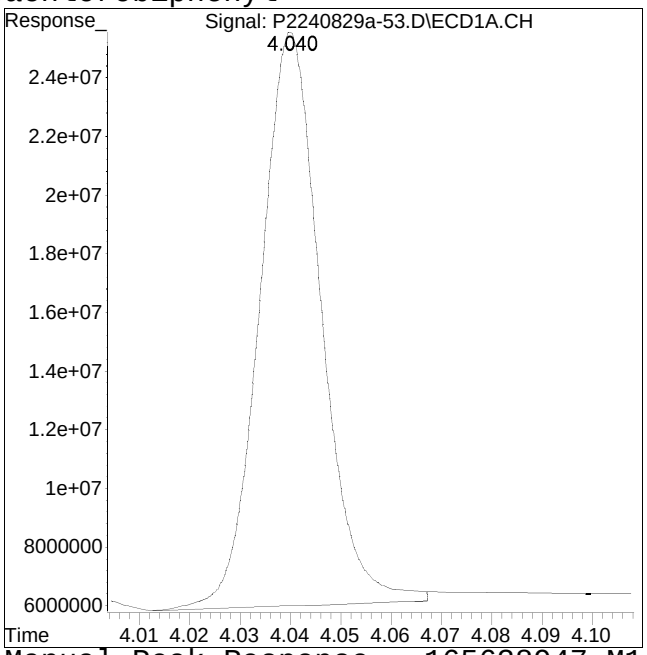
Original Peak Response = 194537723 Manual Peak Response = 190597708 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-53.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:35 Instrument : Pest 2
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



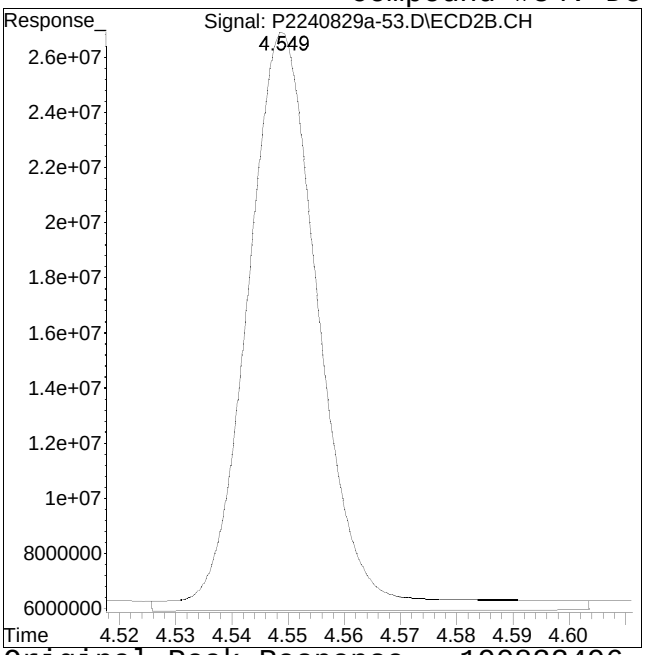


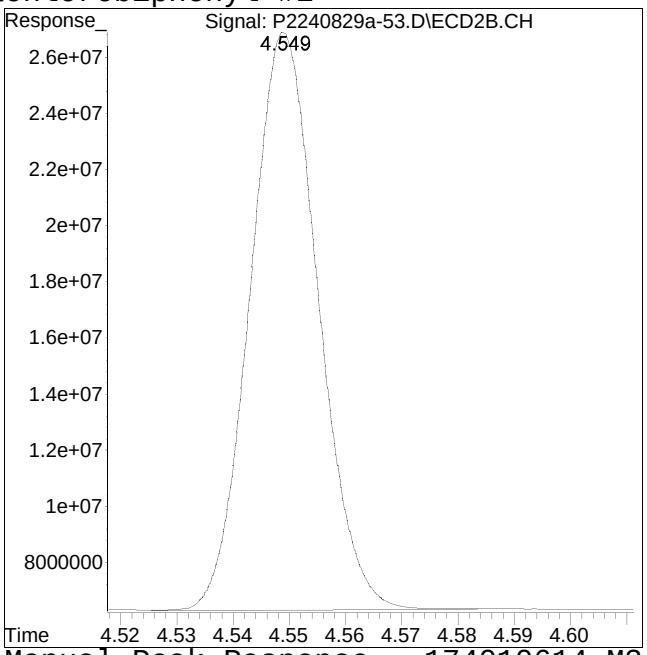
Original Peak Response = 179624857 Manual Peak Response = 165638947 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-53.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:35 Instrument : Pest 2
Sample : L2447890-06,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 190832496 Manual Peak Response = 174010614 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:45
Operator : pest2:AD
Sample : L2447890-07,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:09 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	178.2E6	178.9E6	25.000M4	25.000M2
	Standard Area 1 : #1 = 191409127				Recovery =	93.09%	
	Standard Area 1 : #2 = 190535960				Recovery =	93.87%	
14) i	2154_1br2nb	1.193	1.258	178.2E6	178.9E6	25.000M4	25.000M2
23) i	4268_1br2nb	1.193	1.258	178.2E6	178.9E6	25.000M4	25.000M2
34) i	1248_1br2nb	1.193	1.258	178.2E6	178.9E6	25.000M4	25.000M2
40) i	3262_1br2nb	1.193	1.258	178.2E6	178.9E6	25.000M4	25.000M2
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	180.3E6	195.1E6	15.717M4	18.053M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.59%	90.27%
3) s	Decachlorobi	4.039	4.548	154.9E6	157.6E6	18.512M2	21.839
	Spiked Amount 20.000	Range 30 - 150			Recovery =	92.56%	109.19%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:45
Operator : pest2:AD
Sample : L2447890-07,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:09 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:45
Operator : pest2:AD
Sample : L2447890-07,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:09 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:45
Operator : pest2:AD
Sample : L2447890-07,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:09 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

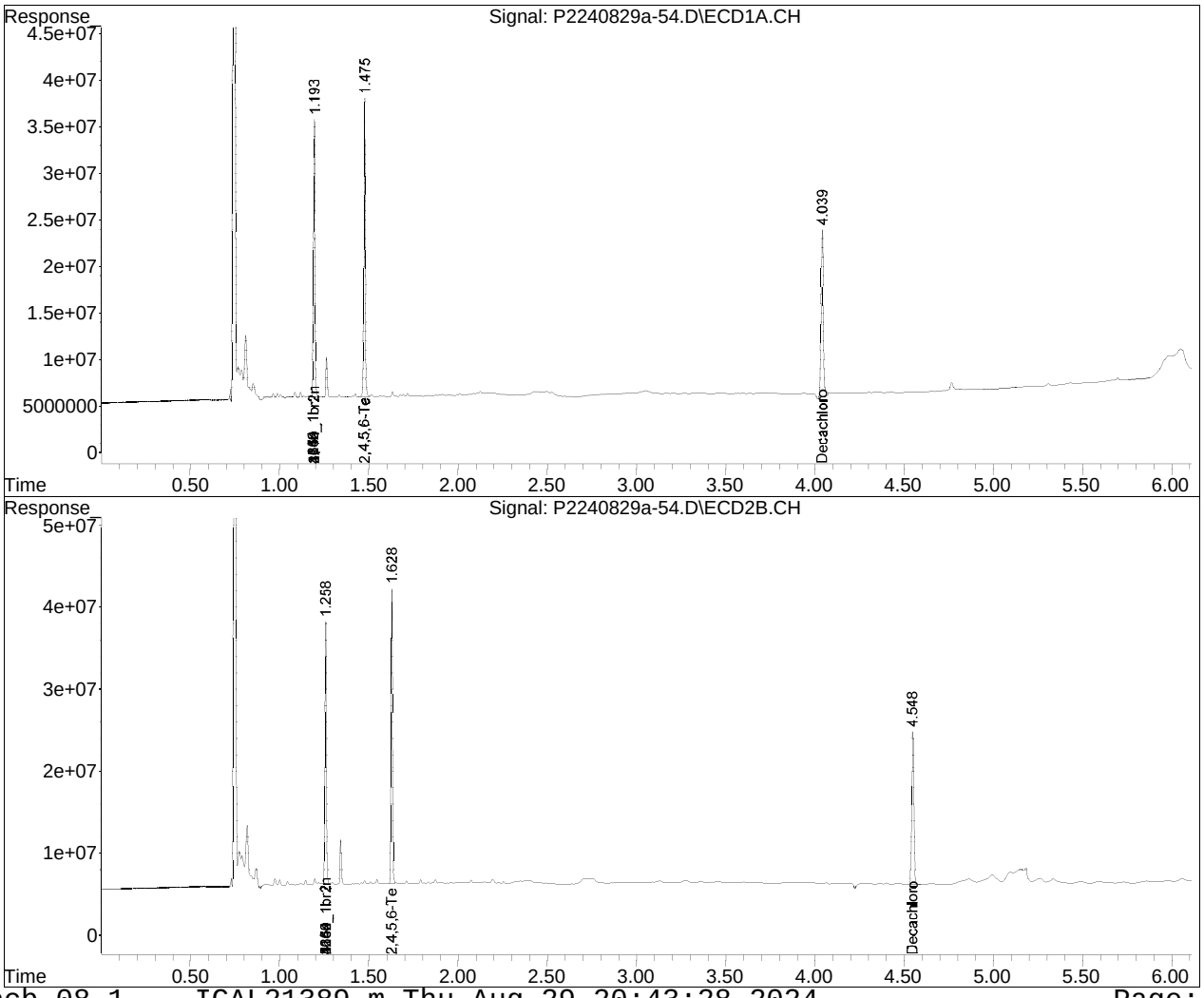
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:45
Operator : pest2:AD
Sample : L2447890-07,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:09 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

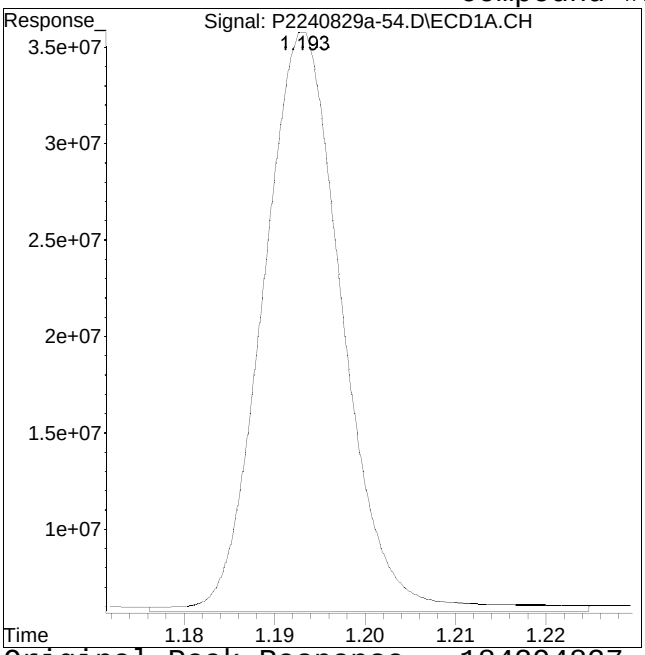
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

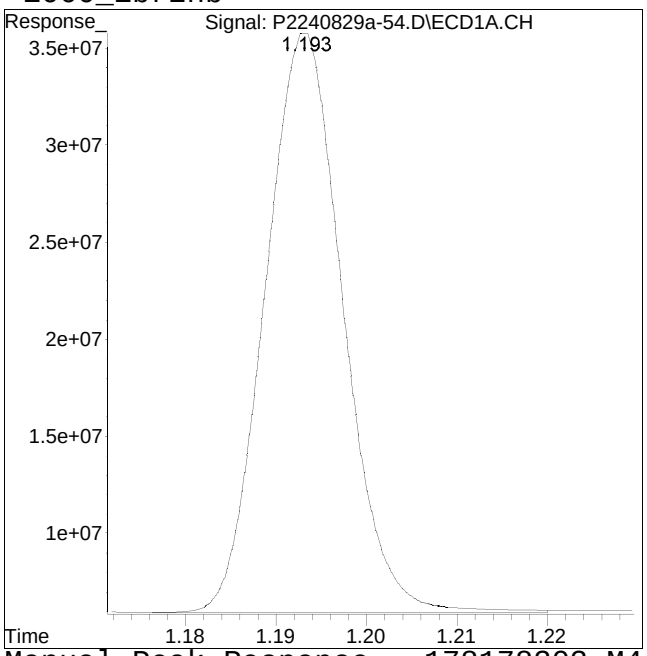


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-54.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:45 Instrument : Pest 2
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



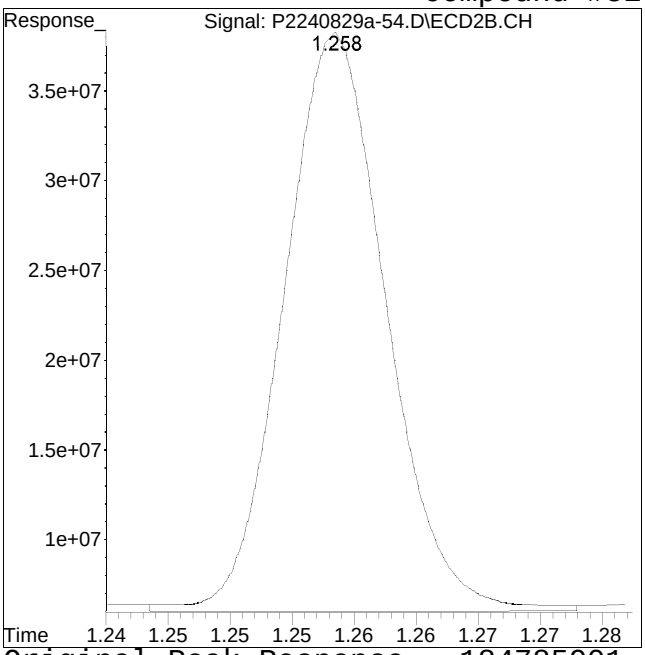


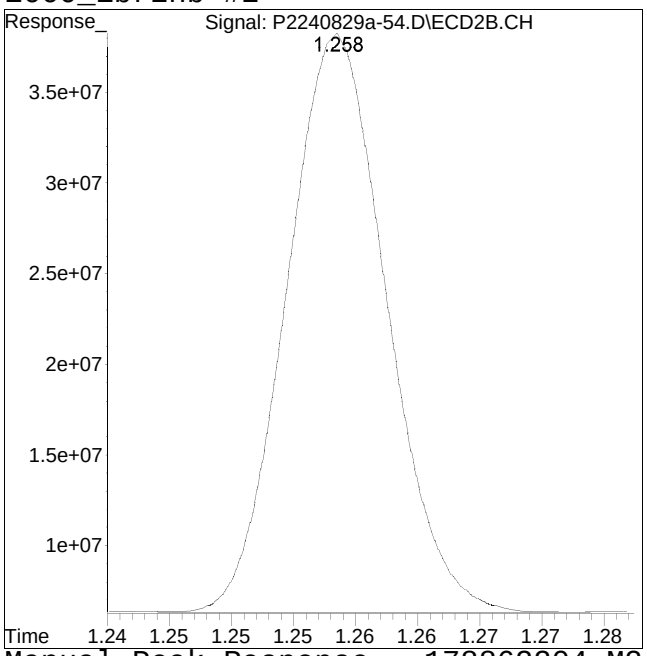
Original Peak Response = 184294827 Manual Peak Response = 178178303 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-54.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:45 Instrument : Pest 2
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



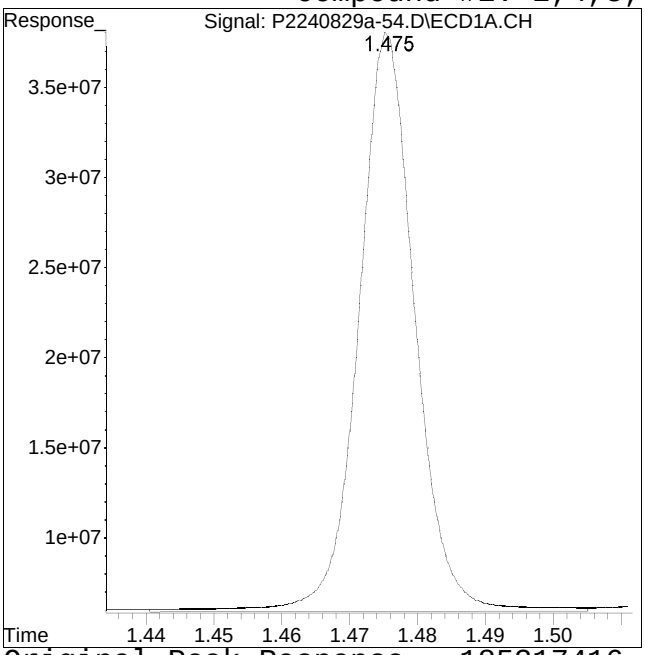


Original Peak Response = 184785901 Manual Peak Response = 178862204 M2
M2 = Peak not found by automatic integration algorithm.

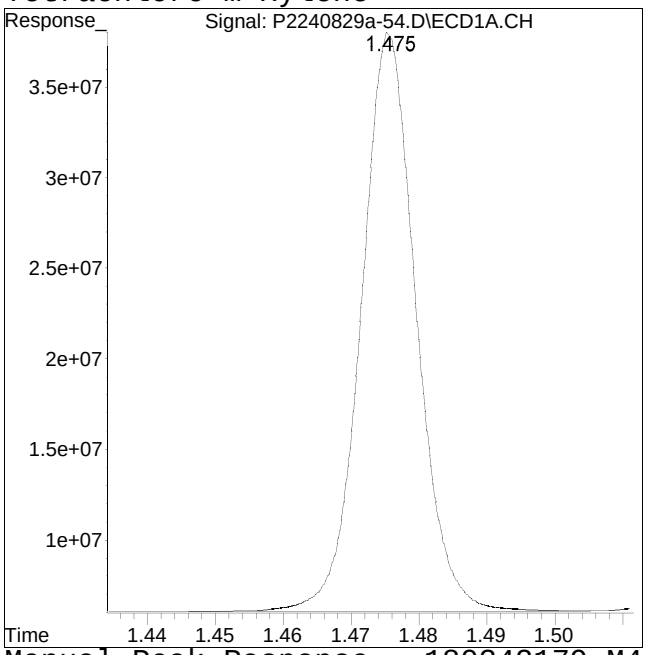
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-54.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:45 Instrument : Pest 2
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 185317416



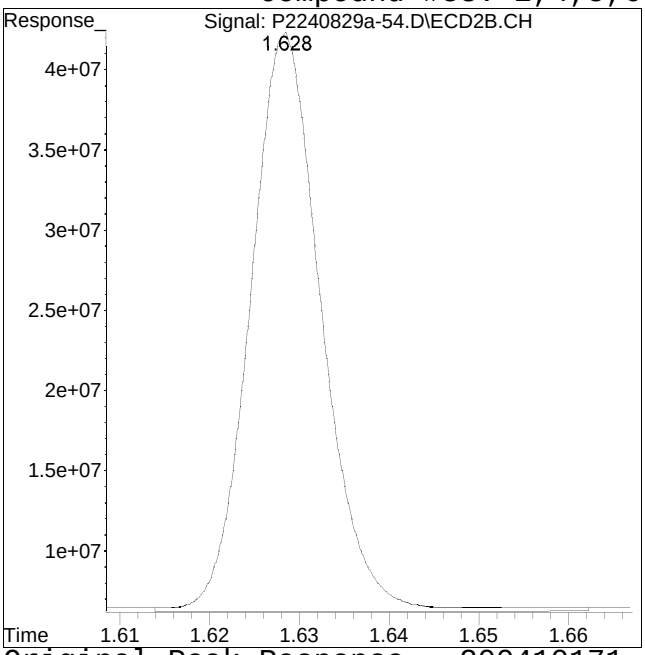
Manual Peak Response = 180342179 M4

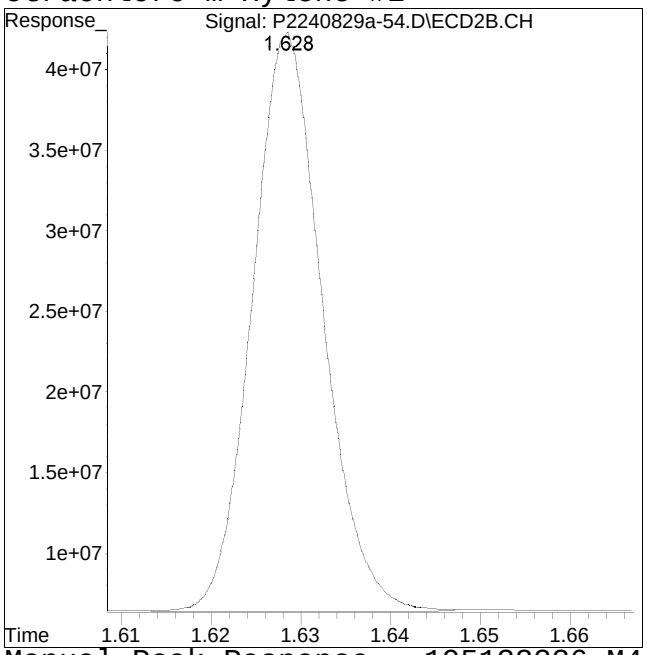
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-54.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:45 Instrument : Pest 2
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



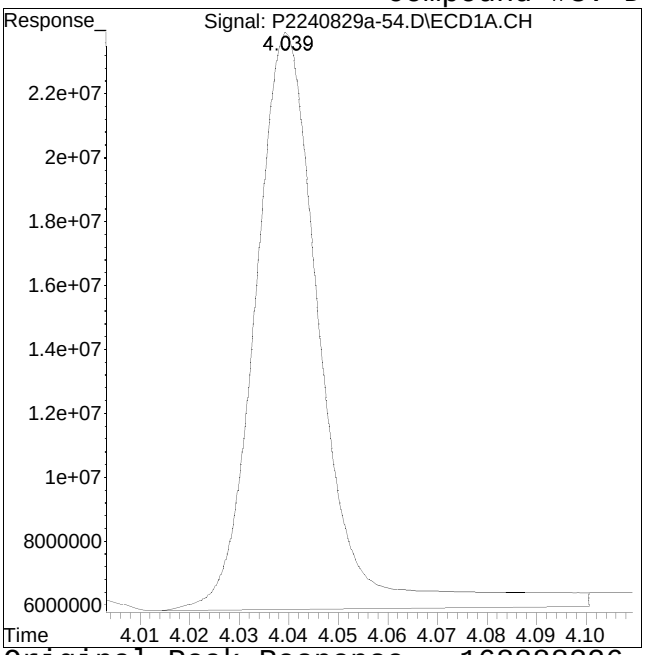


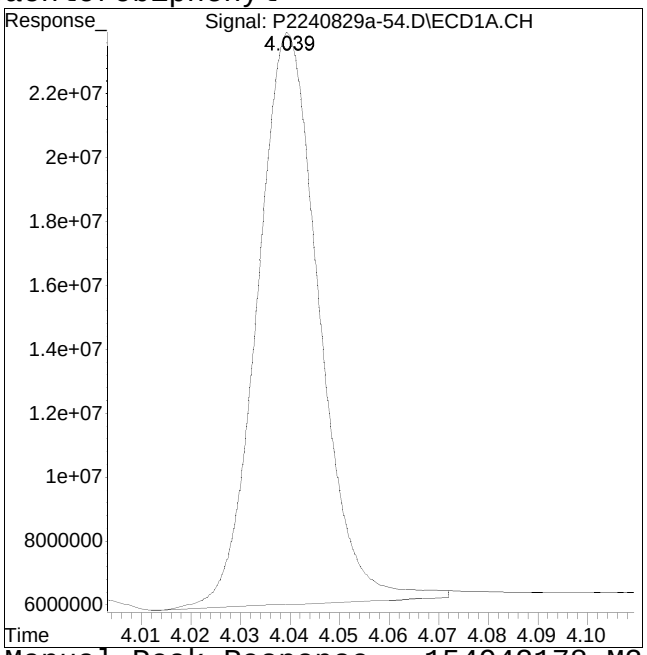
Original Peak Response = 200410171 Manual Peak Response = 195133336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-54.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:45 Instrument : Pest 2
Sample : L2447890-07,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 168888326 Manual Peak Response = 154942178 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-55.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:54
Operator : pest2:AD
Sample : L2447890-08,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:12 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	190.6E6	193.5E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 191409127				Recovery = 99.60%		
	Standard Area 1 : #2 = 190535960				Recovery = 101.58%		
14) i	2154_1br2nb	1.193	1.258	190.6E6	193.5E6	25.000M4	25.000M3
23) i	4268_1br2nb	1.193	1.258	190.6E6	193.5E6	25.000M4	25.000M3
34) i	1248_1br2nb	1.193	1.258	190.6E6	193.5E6	25.000M4	25.000M3
40) i	3262_1br2nb	1.193	1.258	190.6E6	193.5E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.476	1.629	202.4E6	214.0E6	16.484	18.298
	Spiked Amount 20.000	Range 30 - 150			Recovery = 82.42%		91.49%
3) s	Decachlorobi	4.039	4.548	156.8E6	163.4E6	17.510M4	20.922M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 87.55%		104.61%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-55.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:54
Operator : pest2:AD
Sample : L2447890-08,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:12 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-55.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:54
Operator : pest2:AD
Sample : L2447890-08,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:12 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-55.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:54
Operator : pest2:AD
Sample : L2447890-08,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:12 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

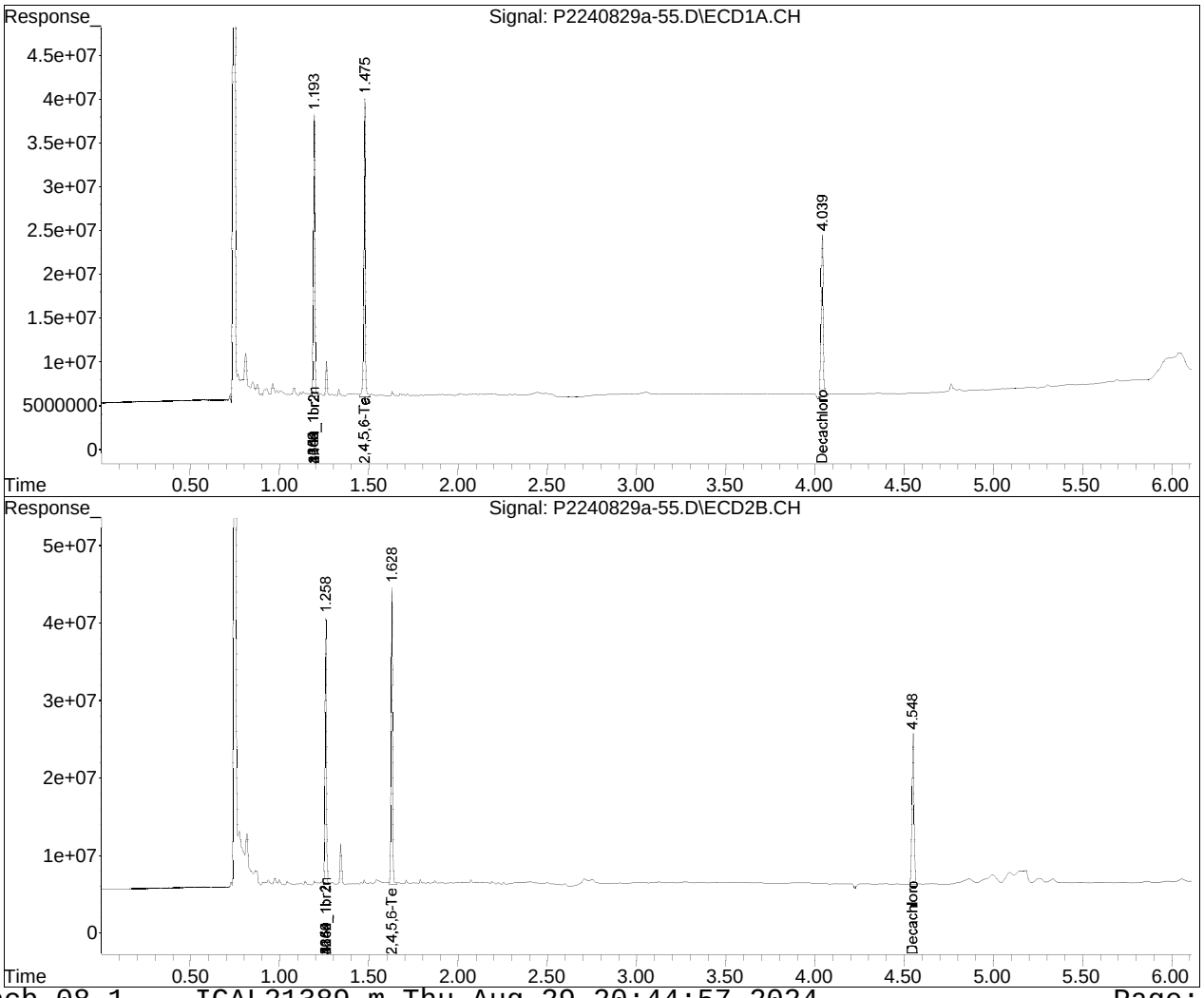
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-55.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 17:54
Operator : pest2:AD
Sample : L2447890-08,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:12 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

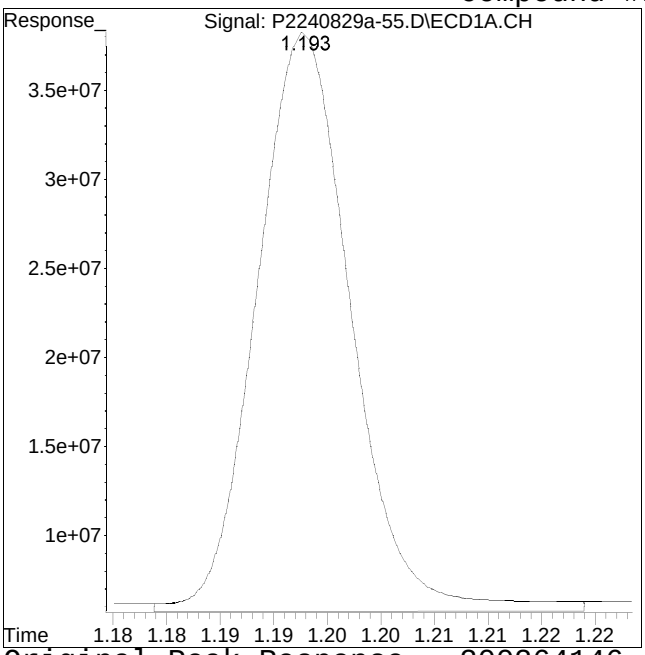
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

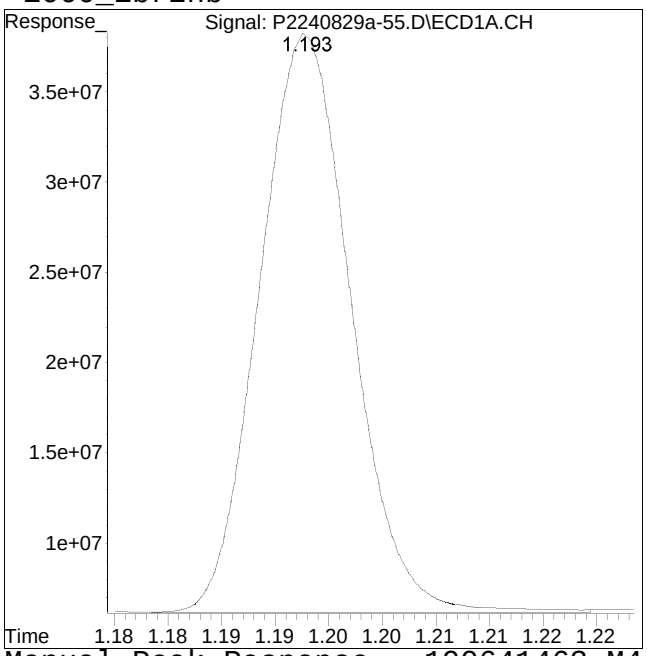


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-55.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:54 Instrument : Pest 2
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



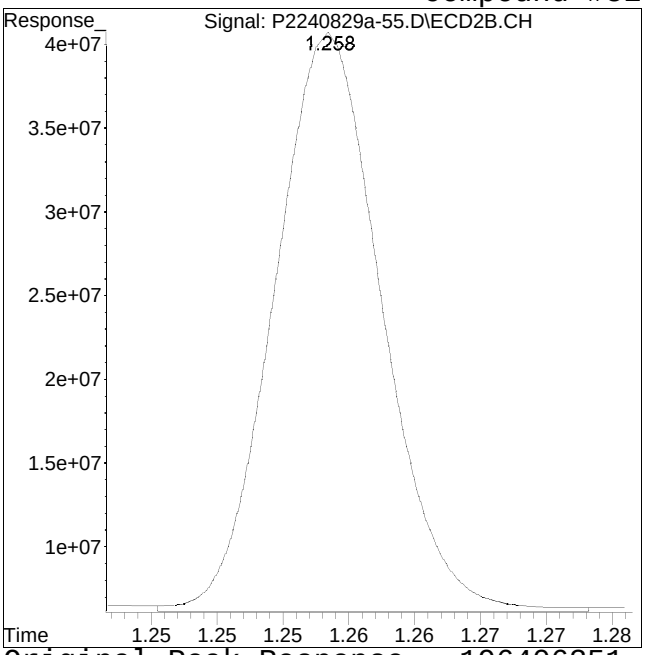


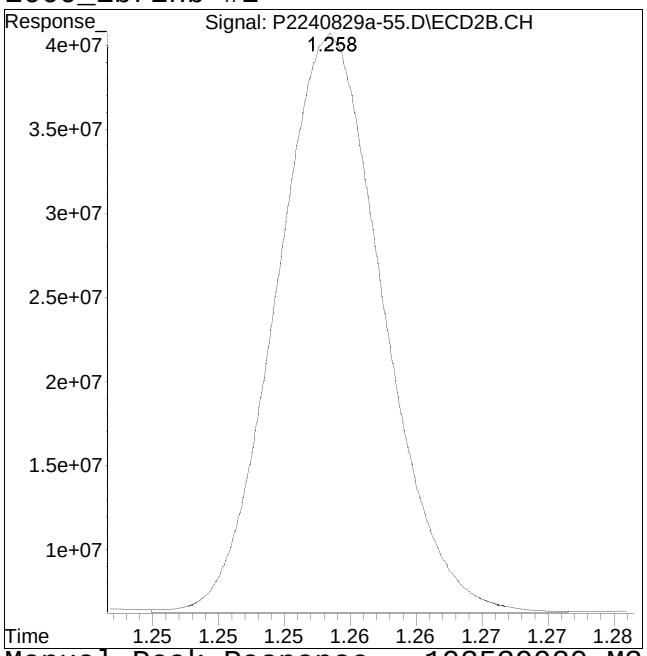
Original Peak Response = 200264146 Manual Peak Response = 190641463 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-55.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:54 Instrument : Pest 2
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



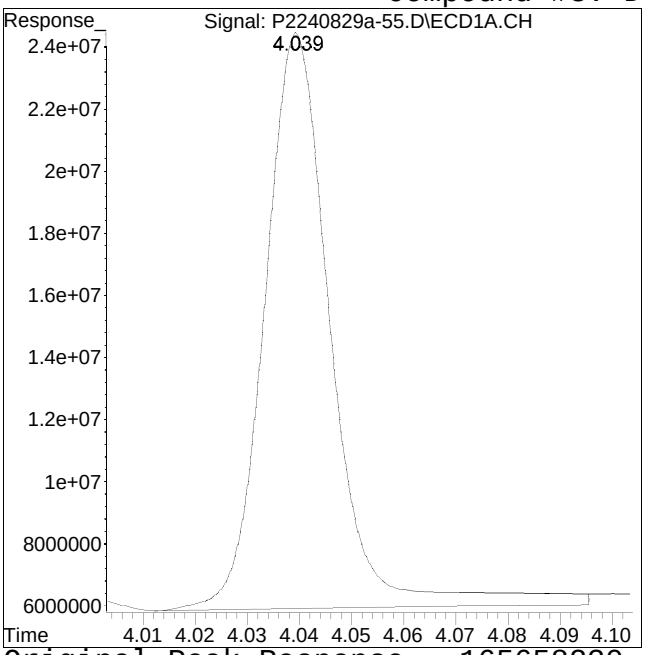


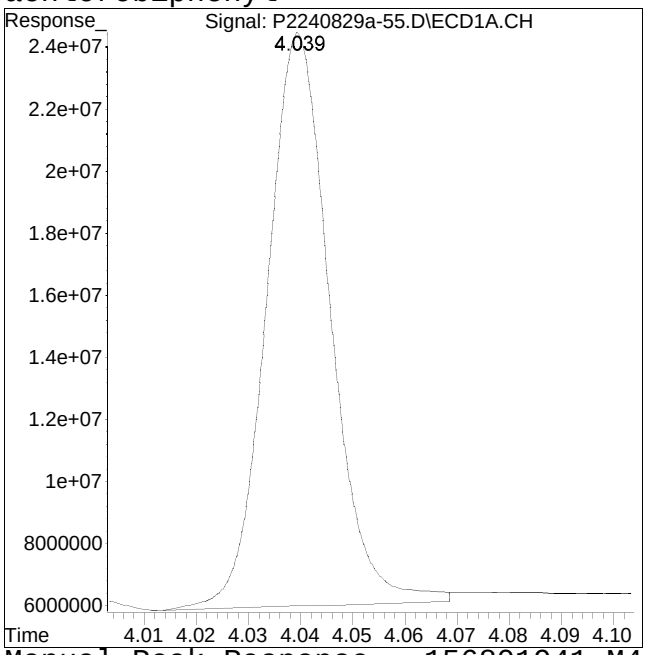
Original Peak Response = 196406351 Manual Peak Response = 193539920 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-55.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:54 Instrument : Pest 2
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



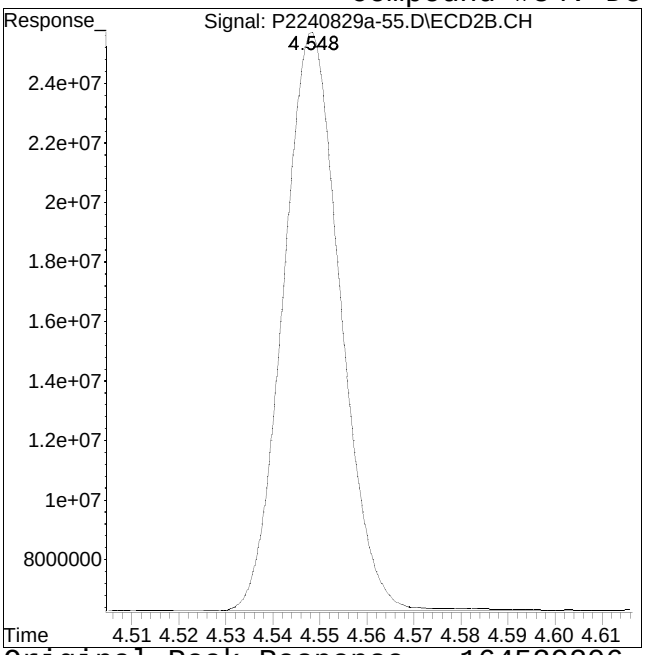


Original Peak Response = 165658230 Manual Peak Response = 156801941 M4
M4 = Poor automated baseline construction.

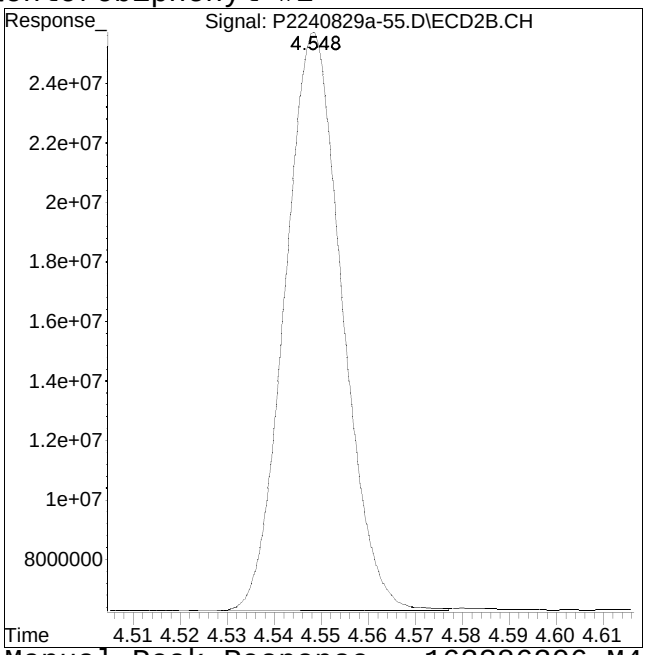
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-55.D Operator : pest2:AD
Date Inj'd : 8/29/2024 17:54 Instrument : Pest 2
Sample : L2447890-08,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 164529206



Manual Peak Response = 163386306 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-56.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:03
Operator : pest2:AD
Sample : L2447890-09,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 56 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:15 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	185.5E6	186.7E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 191409127				Recovery =	96.93%	
	Standard Area 1 : #2 = 190535960				Recovery =	98.01%	
14) i	2154_1br2nb	1.193	1.258	185.5E6	186.7E6	25.000M4	25.000M3
23) i	4268_1br2nb	1.193	1.258	185.5E6	186.7E6	25.000M4	25.000M3
34) i	1248_1br2nb	1.193	1.258	185.5E6	186.7E6	25.000M4	25.000M3
40) i	3262_1br2nb	1.193	1.258	185.5E6	186.7E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	177.0E6	187.5E6	14.811M4	16.616M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	74.06%	83.08%
3) s	Decachlorobi	4.040	4.548	154.5E6	156.7E6	17.728	20.800
	Spiked Amount 20.000	Range 30 - 150			Recovery =	88.64%	104.00%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-56.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:03
Operator : pest2:AD
Sample : L2447890-09,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 56 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:15 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-56.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:03
Operator : pest2:AD
Sample : L2447890-09,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 56 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:15 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-56.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:03
Operator : pest2:AD
Sample : L2447890-09,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 56 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:15 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

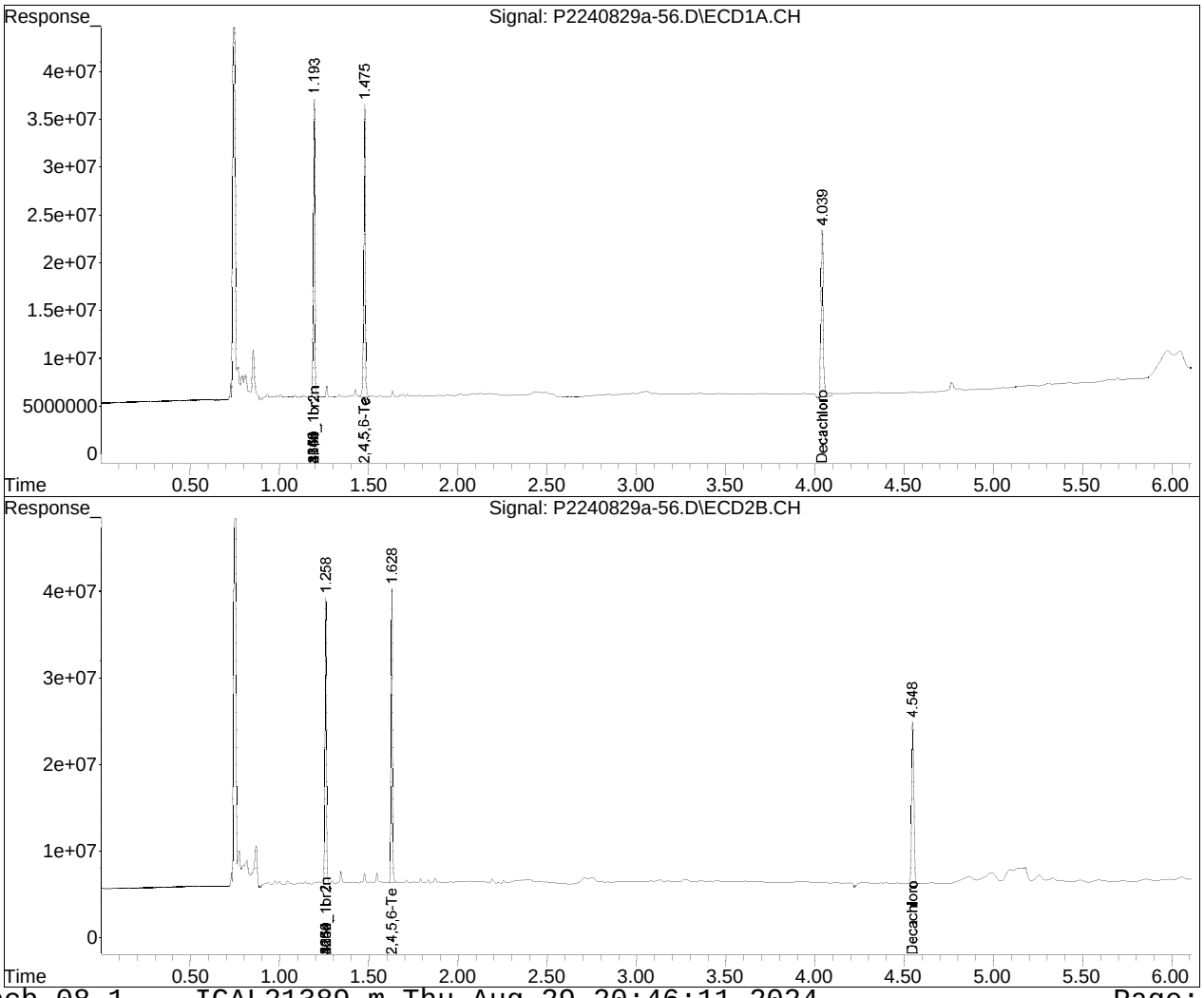
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-56.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:03
Operator : pest2:AD
Sample : L2447890-09,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 56 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:15 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

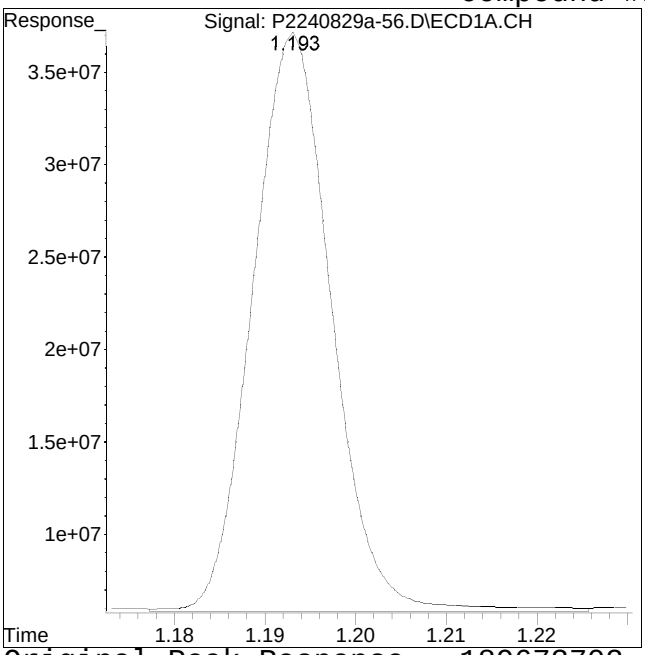
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

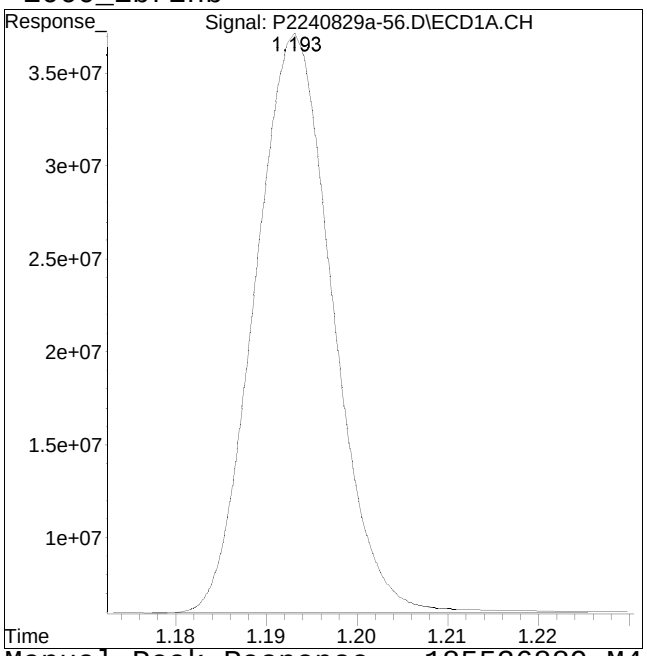


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-56.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:03 Instrument : Pest 2
Sample : L2447890-09,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



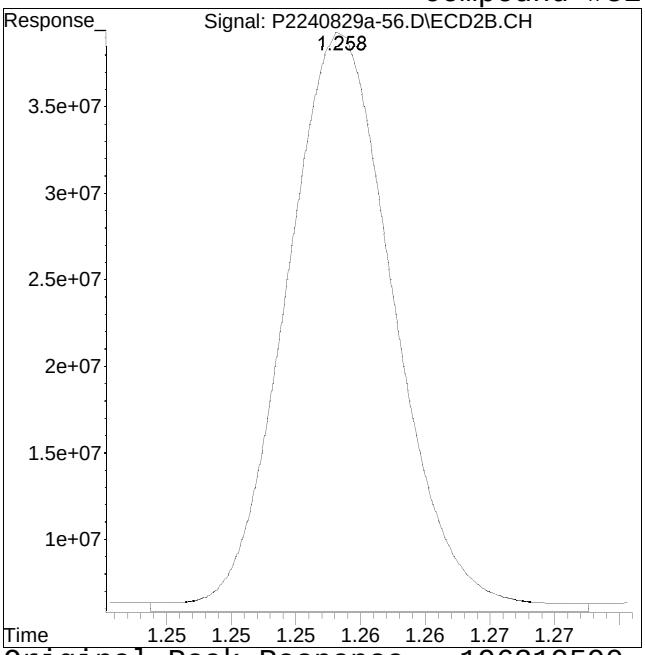


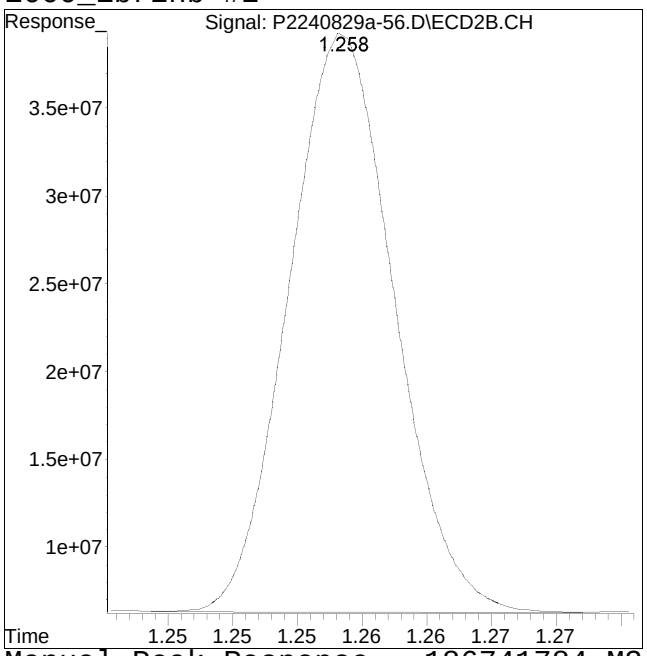
Original Peak Response = 189673702 Manual Peak Response = 185536889 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-56.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:03 Instrument : Pest 2
Sample : L2447890-09,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



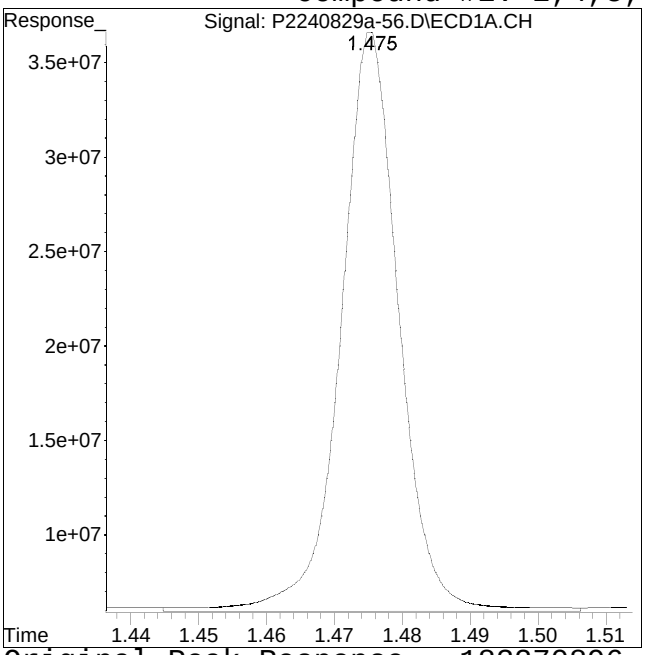


Original Peak Response = 196319590 Manual Peak Response = 186741784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

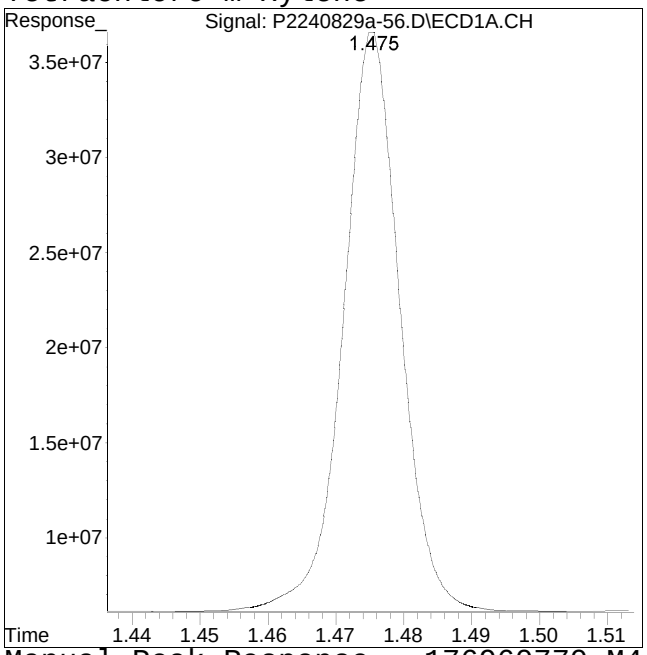
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-56.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:03 Instrument : Pest 2
Sample : L2447890-09,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 183270896



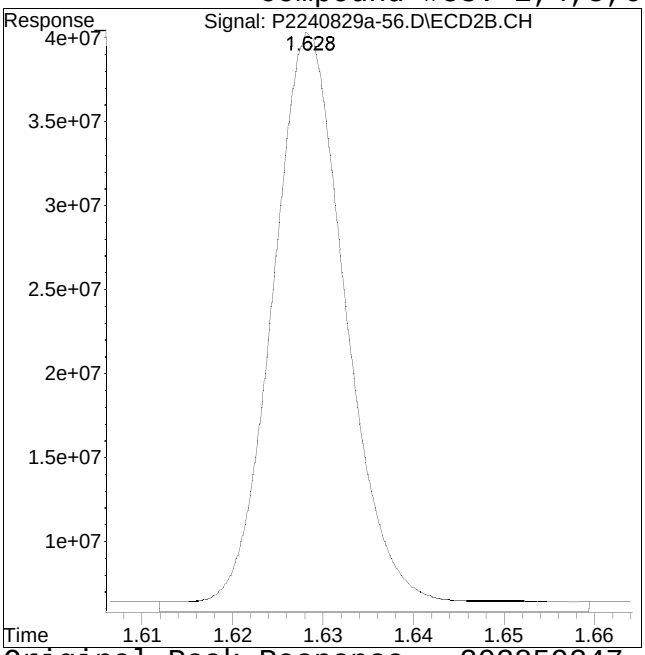
Manual Peak Response = 176960770 M4

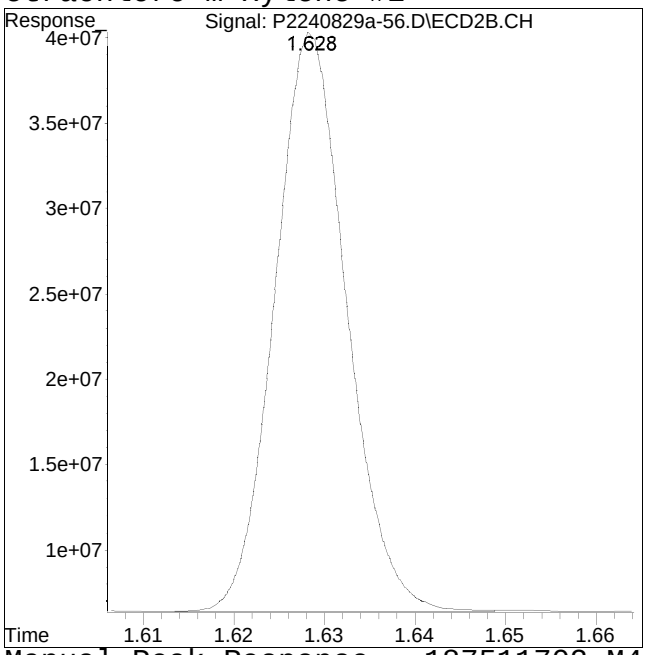
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-56.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:03 Instrument : Pest 2
Sample : L2447890-09,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2





Original Peak Response = 203859247 Manual Peak Response = 187511702 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:13
Operator : pest2:AD
Sample : L2447890-10,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:18 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.258	180.7E6	186.9E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery =	94.42%	
	Standard Area 1 : #2 = 190535960				Recovery =	98.09%	
14) i	2154_1br2nb	1.192	1.258	180.7E6	186.9E6	25.000M3	25.000M4
23) i	4268_1br2nb	1.192	1.258	180.7E6	186.9E6	25.000M3	25.000M4
34) i	1248_1br2nb	1.192	1.258	180.7E6	186.9E6	25.000M3	25.000M4
40) i	3262_1br2nb	1.192	1.258	180.7E6	186.9E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.629	205.6E6	229.8E6	17.666	20.343
	Spiked Amount 20.000	Range 30 - 150			Recovery =	88.33%	101.72%
3) s	Decachlorobi	4.039	4.548	173.6E6	181.9E6	20.450M4	24.120M3
	Spiked Amount 20.000	Range 30 - 150			Recovery =	102.25%	120.60%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:13
Operator : pest2:AD
Sample : L2447890-10,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:18 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:13
Operator : pest2:AD
Sample : L2447890-10,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:18 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:13
Operator : pest2:AD
Sample : L2447890-10,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:18 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

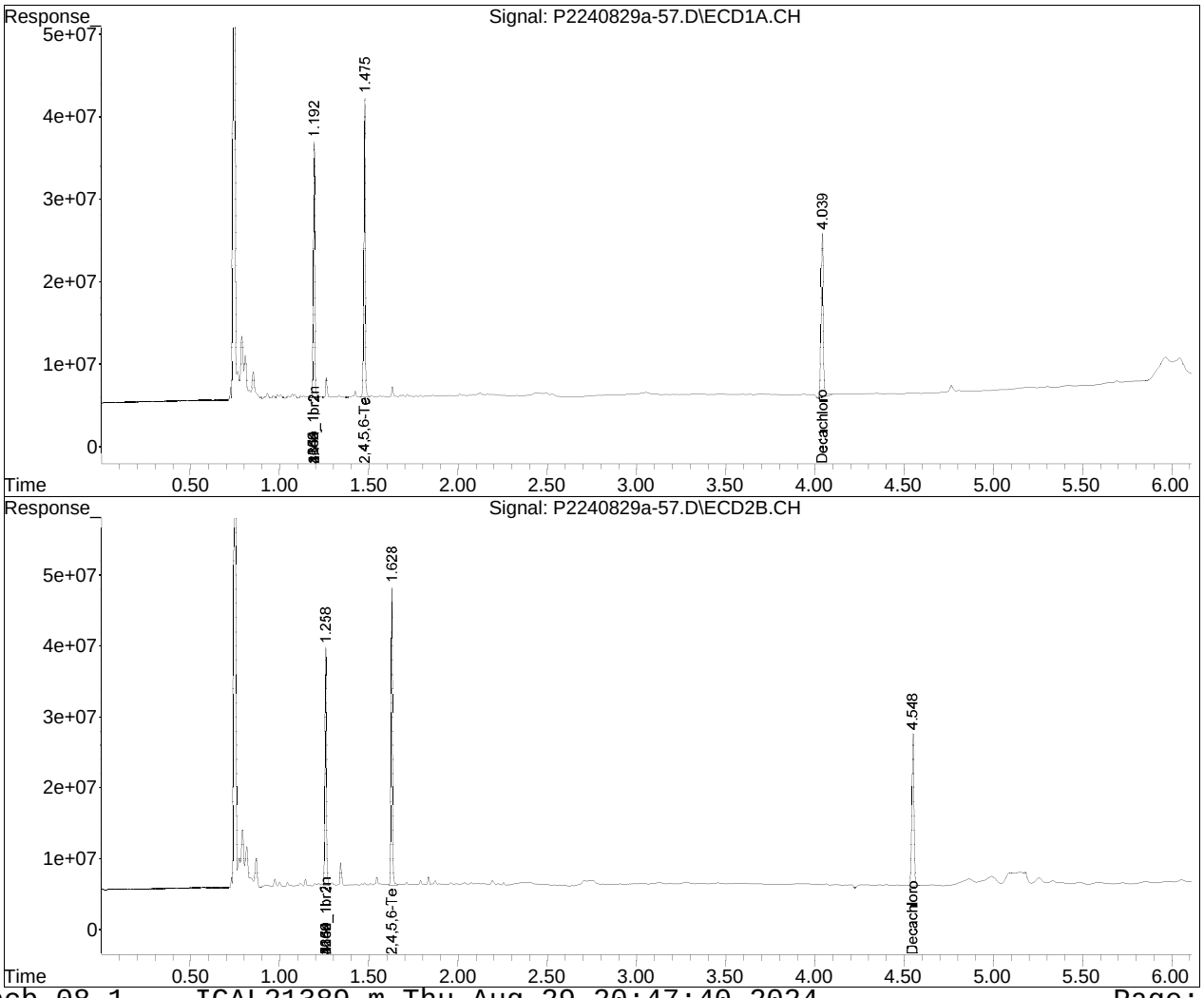
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-57.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:13
Operator : pest2:AD
Sample : L2447890-10,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:18 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

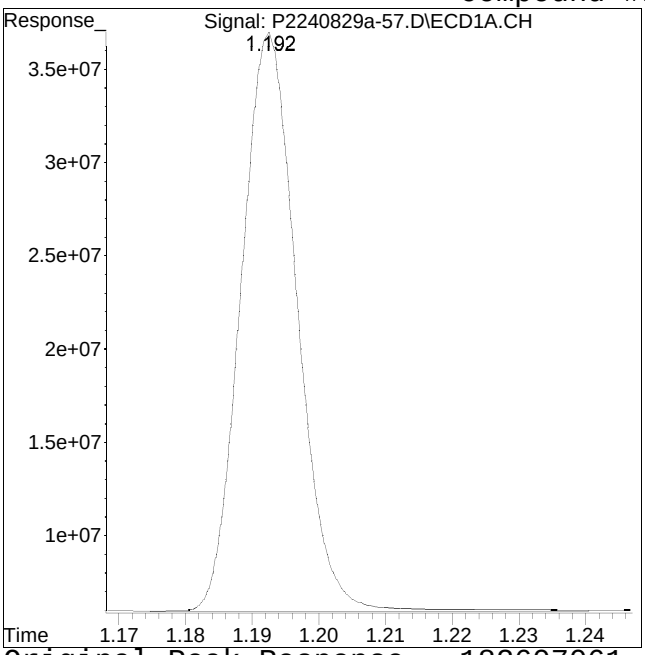
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

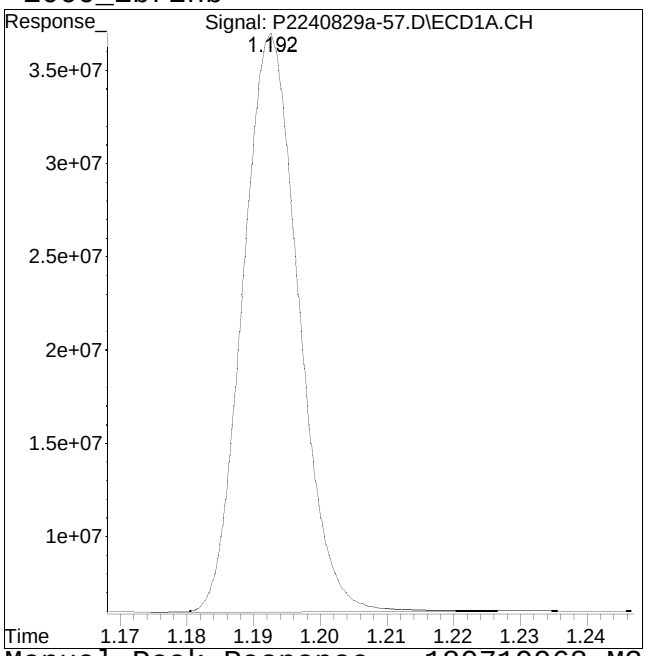


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-57.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:13 Instrument : Pest 2
Sample : L2447890-10,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



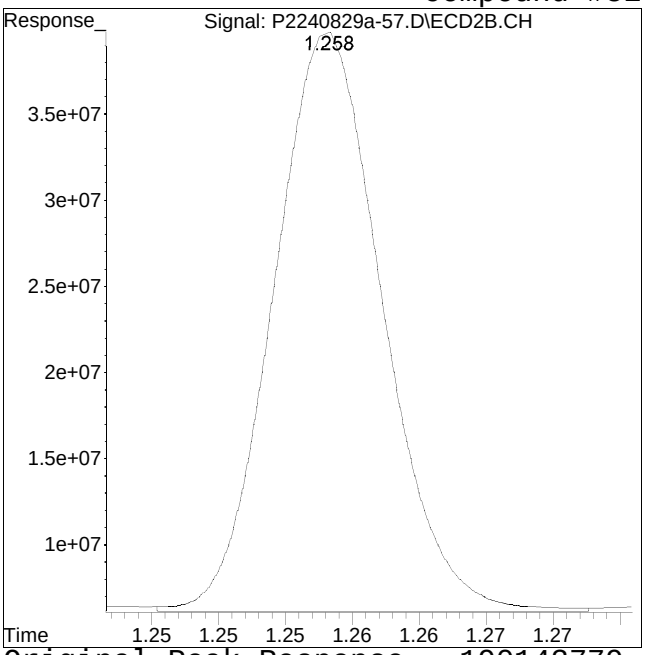


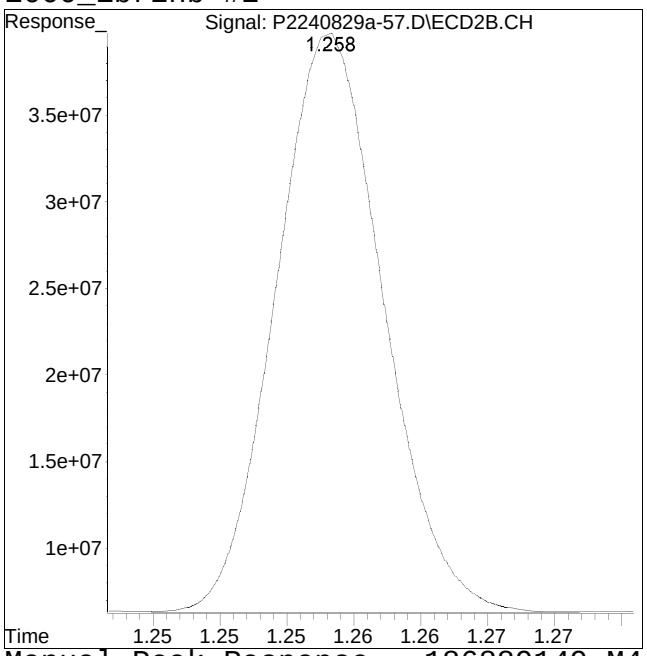
Original Peak Response = 182607061 Manual Peak Response = 180719968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-57.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:13 Instrument : Pest 2
Sample : L2447890-10,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



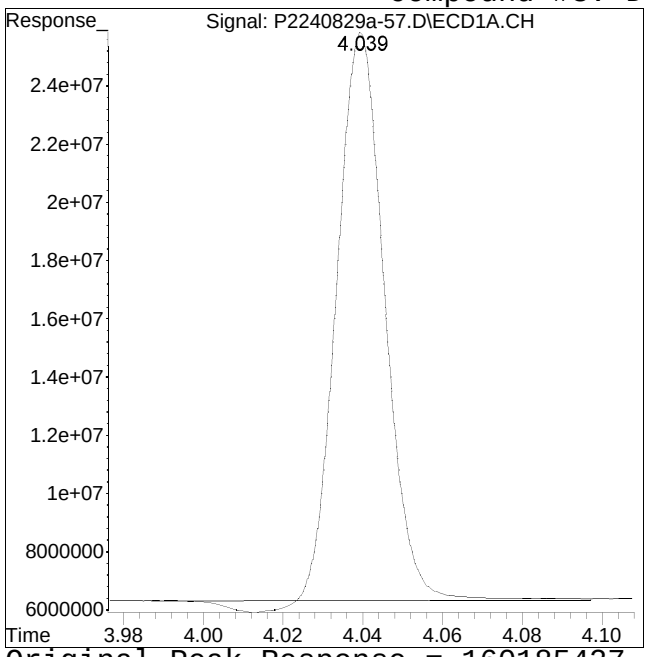


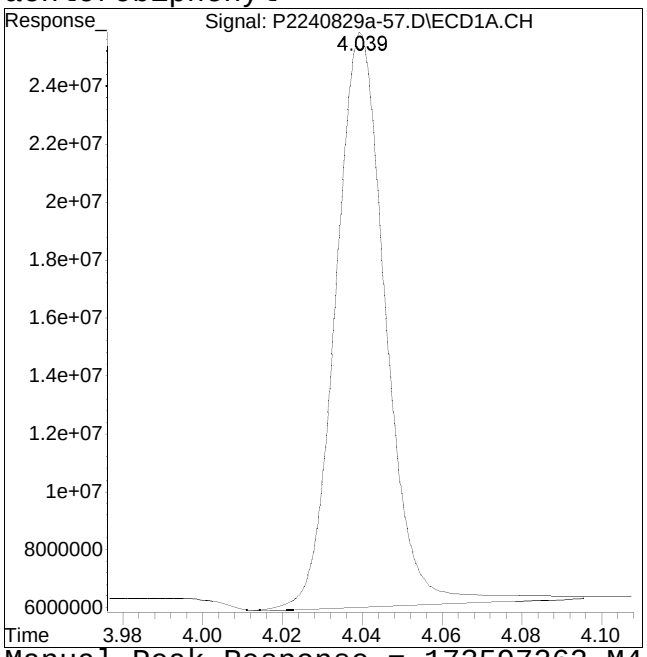
Original Peak Response = 190143779 Manual Peak Response = 186889149 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-57.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:13 Instrument : Pest 2
Sample : L2447890-10,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



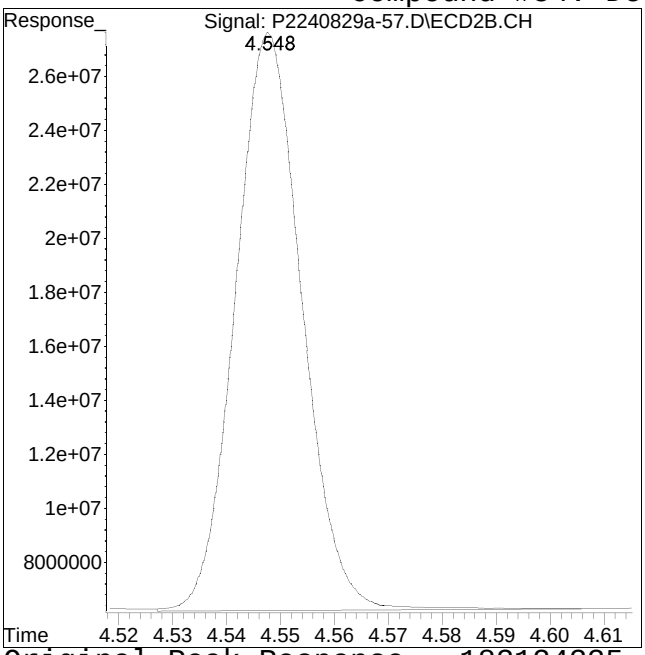


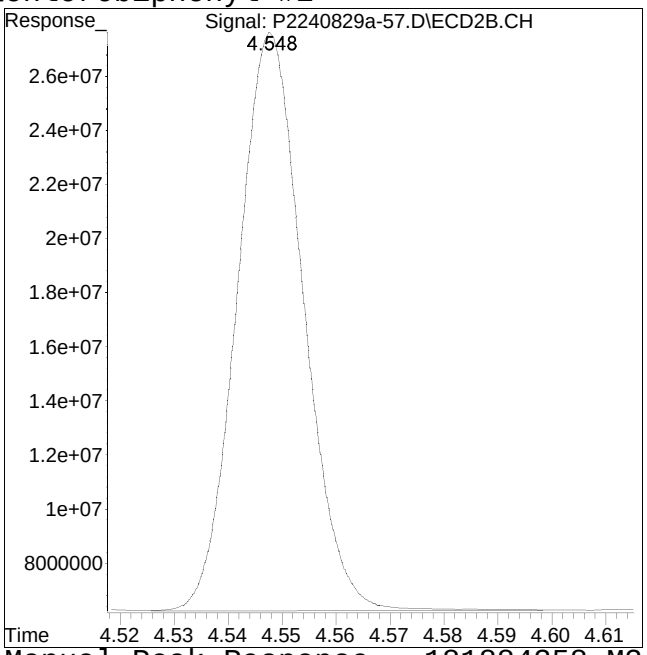
Original Peak Response = 160185427 Manual Peak Response = 173597262 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-57.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:13 Instrument : Pest 2
Sample : L2447890-10,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 183124335 Manual Peak Response = 181884358 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-58.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:22
Operator : pest2:AD
Sample : L2447890-11,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:21 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	178.9E6	185.1E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 191409127				Recovery =	93.44%	
	Standard Area 1 : #2 = 190535960				Recovery =	97.15%	
14) i	2154_1br2nb	1.193	1.258	178.9E6	185.1E6	25.000M4	25.000M3
23) i	4268_1br2nb	1.193	1.258	178.9E6	185.1E6	25.000M4	25.000M3
34) i	1248_1br2nb	1.193	1.258	178.9E6	185.1E6	25.000M4	25.000M3
40) i	3262_1br2nb	1.193	1.258	178.9E6	185.1E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	197.2E6	215.5E6	17.118M4	19.266M2
	Spiked Amount 20.000	Range 30 - 150			Recovery =	85.59%	96.33%
3) s	Decachlorobi	4.039	4.548	167.3E6	177.3E6	19.908M1	23.741M3
	Spiked Amount 20.000	Range 30 - 150			Recovery =	99.54%	118.71%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-58.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:22
Operator : pest2:AD
Sample : L2447890-11,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:21 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-58.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:22
Operator : pest2:AD
Sample : L2447890-11,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:21 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-58.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:22
Operator : pest2:AD
Sample : L2447890-11,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:21 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

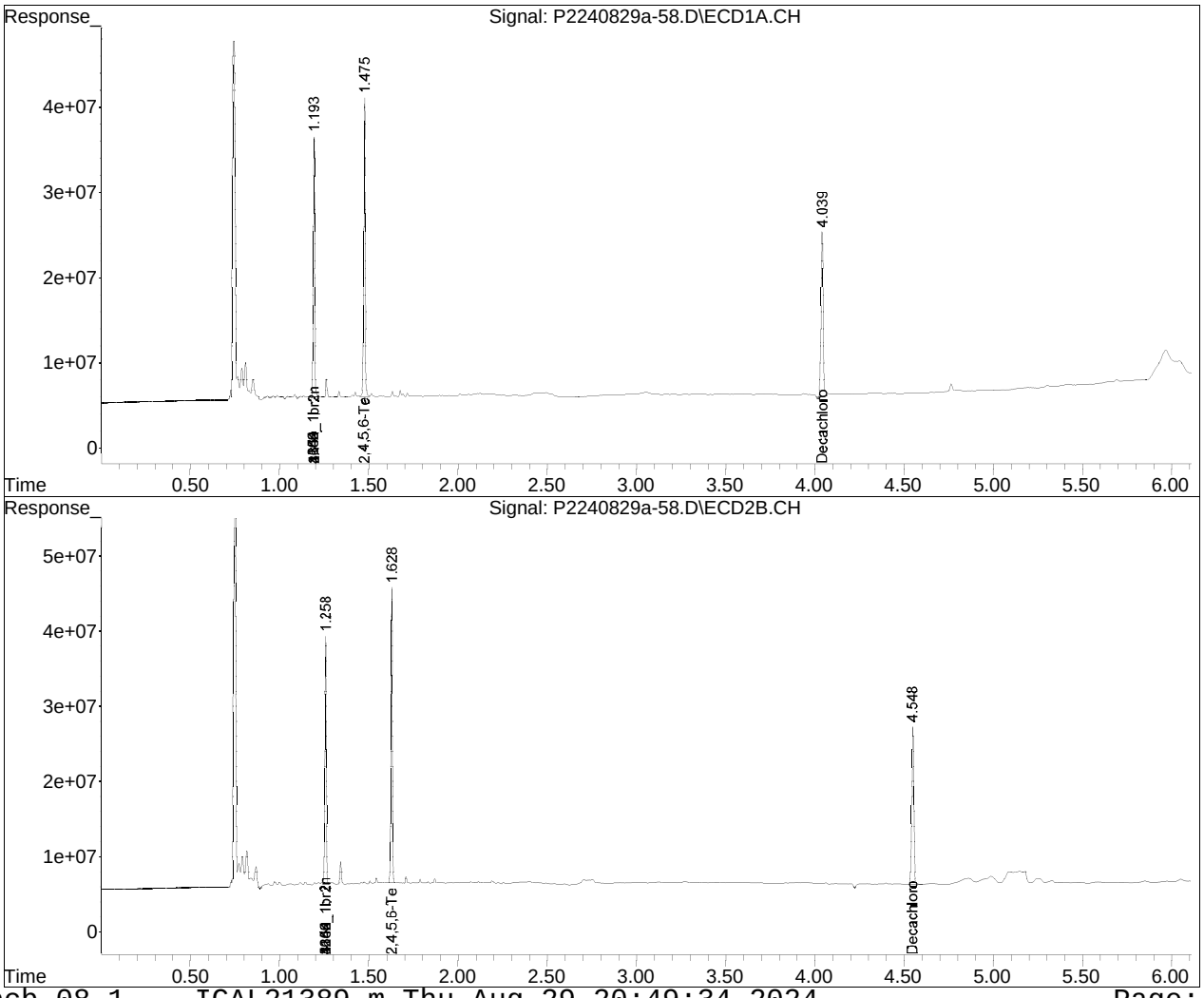
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-58.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:22
Operator : pest2:AD
Sample : L2447890-11,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 58 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:21 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

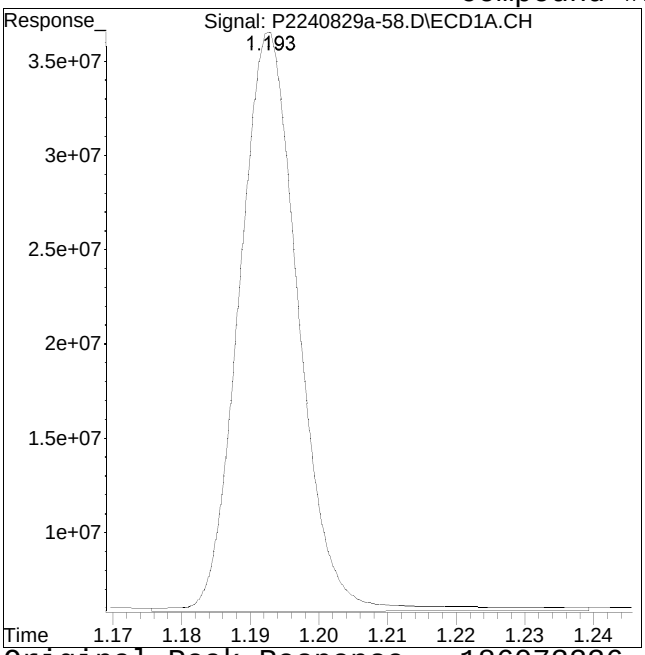
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



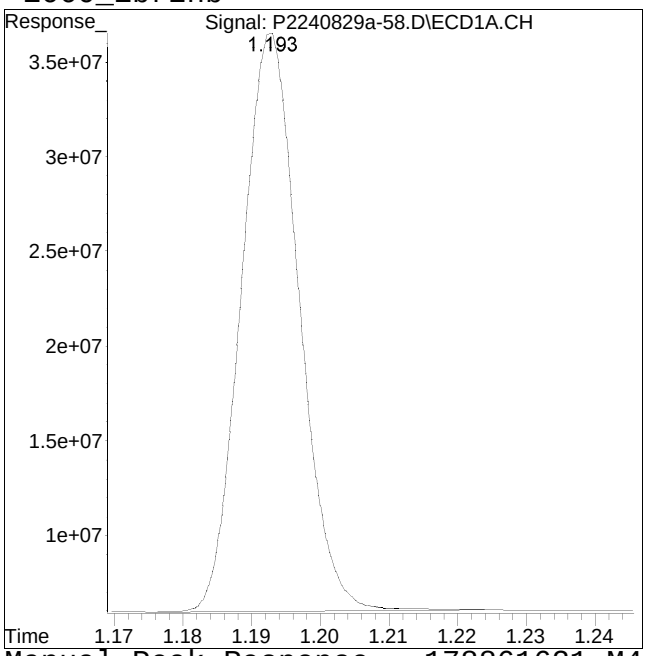
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



Original Peak Response = 186073336



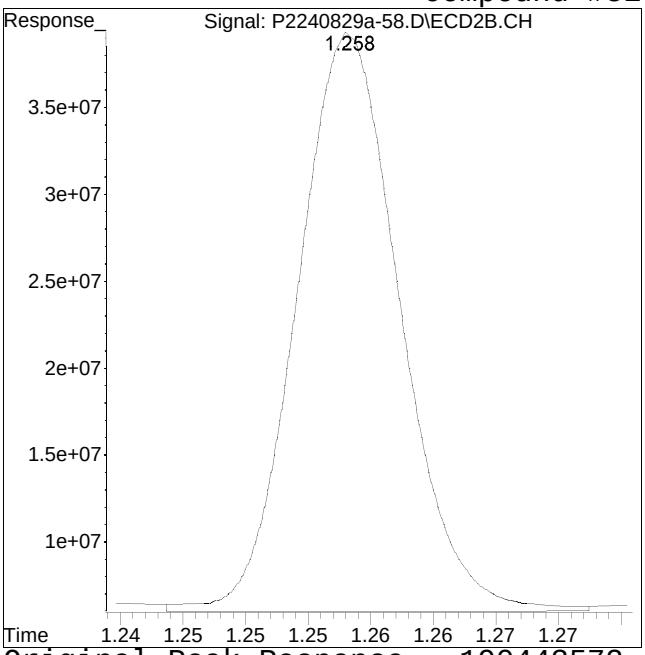
Manual Peak Response = 178861621 M4

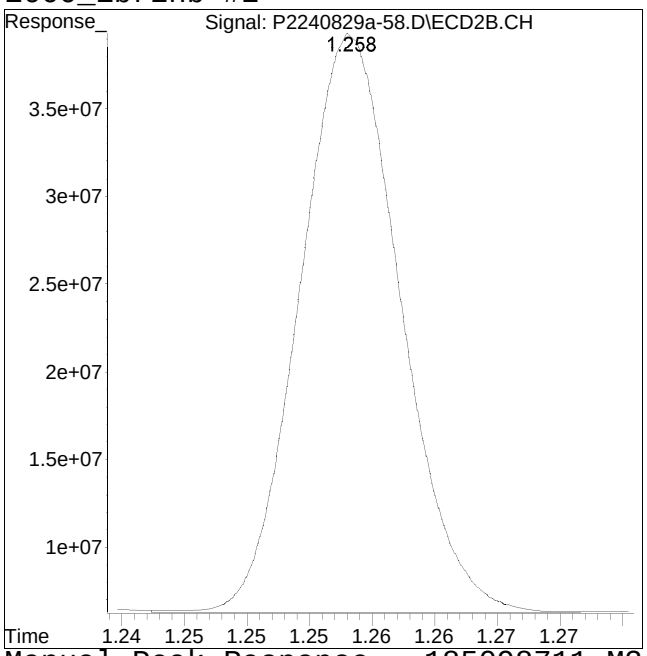
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



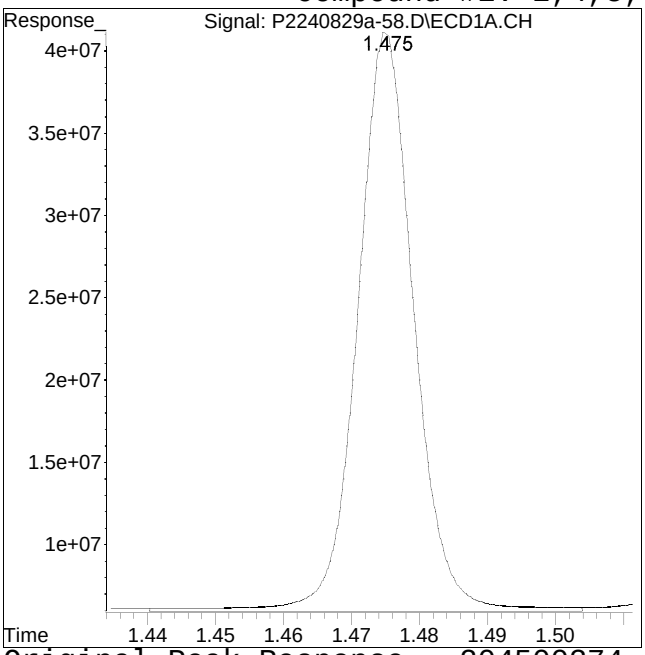


Original Peak Response = 190443572 Manual Peak Response = 185098711 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

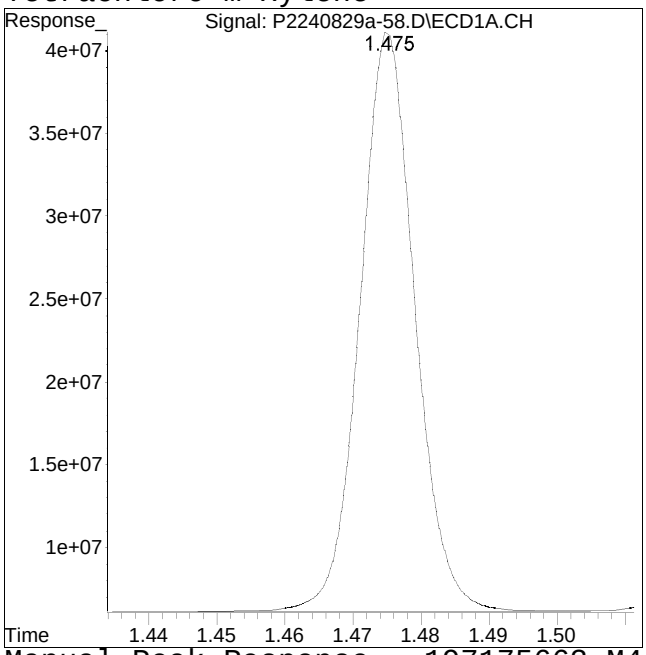
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 204500374



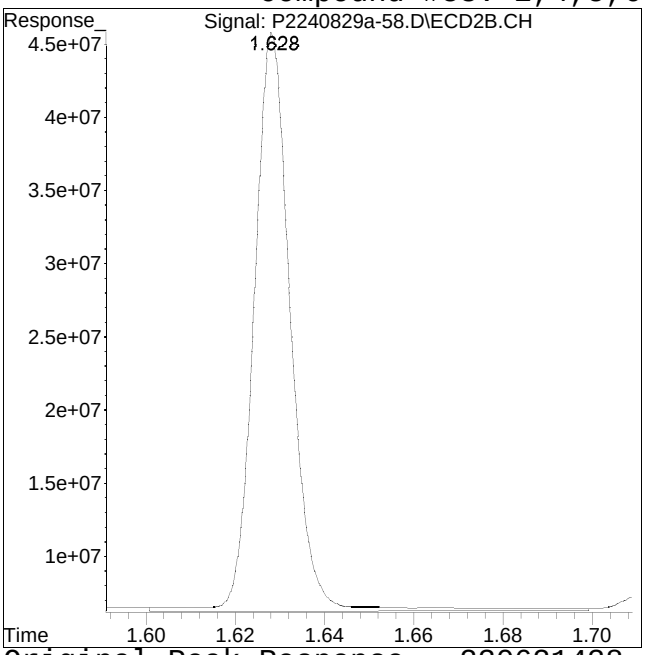
Manual Peak Response = 197175663 M4

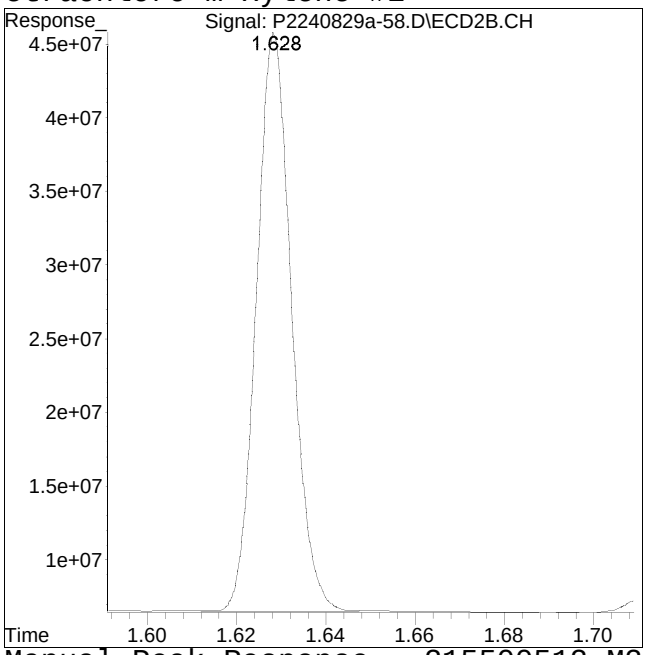
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



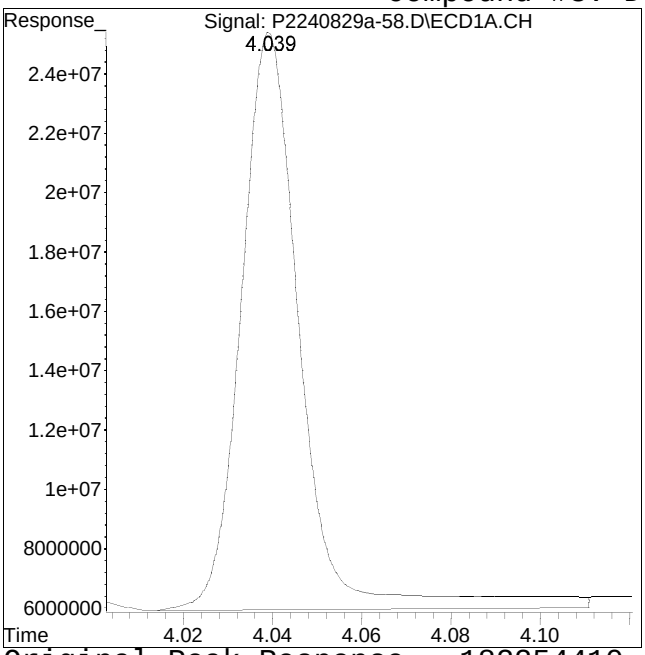


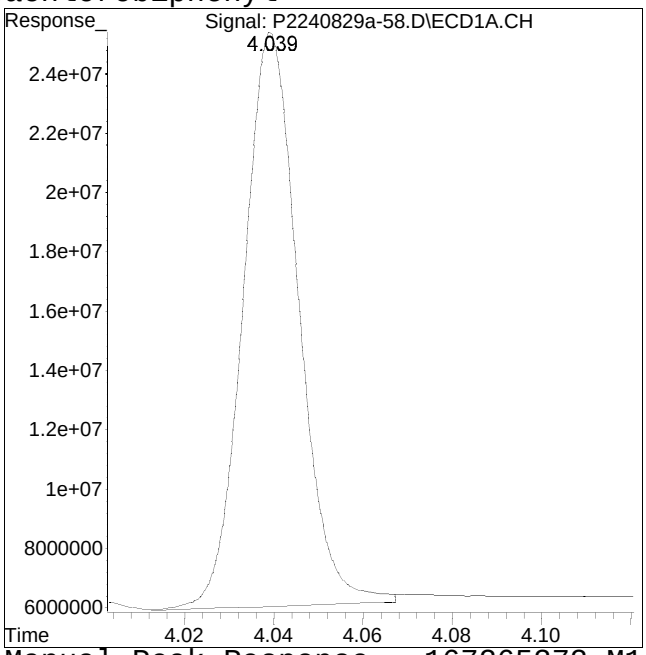
Original Peak Response = 230621438 Manual Peak Response = 215500512 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



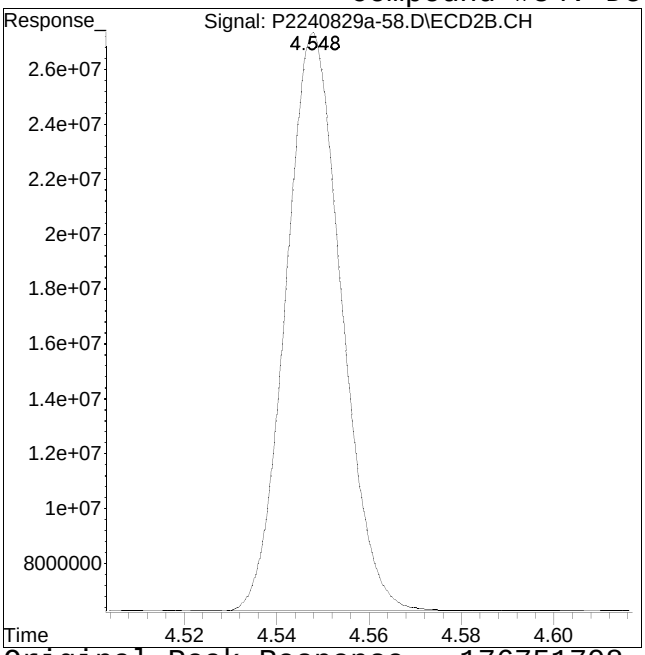


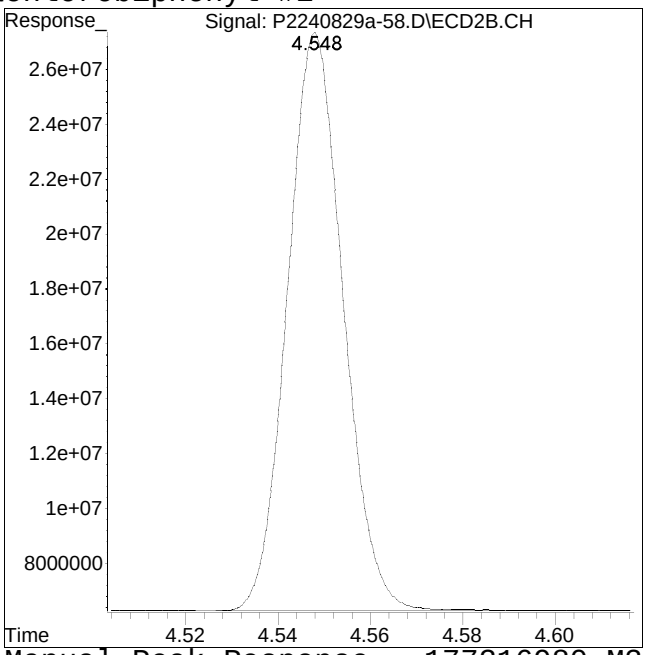
Original Peak Response = 182254410 Manual Peak Response = 167265372 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-58.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:22 Instrument : Pest 2
Sample : L2447890-11,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 176751708 Manual Peak Response = 177316980 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-59.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:32
Operator : pest2:AD
Sample : L2447890-12,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:24 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	175.0E6	181.0E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery =	91.44%	
	Standard Area 1 : #2 = 190535960				Recovery =	94.99%	
14) i	2154_1br2nb	1.193	1.258	175.0E6	181.0E6	25.000M3	25.000M4
23) i	4268_1br2nb	1.193	1.258	175.0E6	181.0E6	25.000M3	25.000M4
34) i	1248_1br2nb	1.193	1.258	175.0E6	181.0E6	25.000M3	25.000M4
40) i	3262_1br2nb	1.193	1.258	175.0E6	181.0E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	191.0E6	207.8E6	16.946M1	18.999M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	84.73%	94.99%
3) s	Decachlorobi	4.039	4.549	155.0E6	155.5E6	18.858M4	21.286
	Spiked Amount 20.000	Range 30 - 150			Recovery =	94.29%	106.43%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-59.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:32
Operator : pest2:AD
Sample : L2447890-12,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:24 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-59.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:32
Operator : pest2:AD
Sample : L2447890-12,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:24 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-59.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:32
Operator : pest2:AD
Sample : L2447890-12,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:24 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

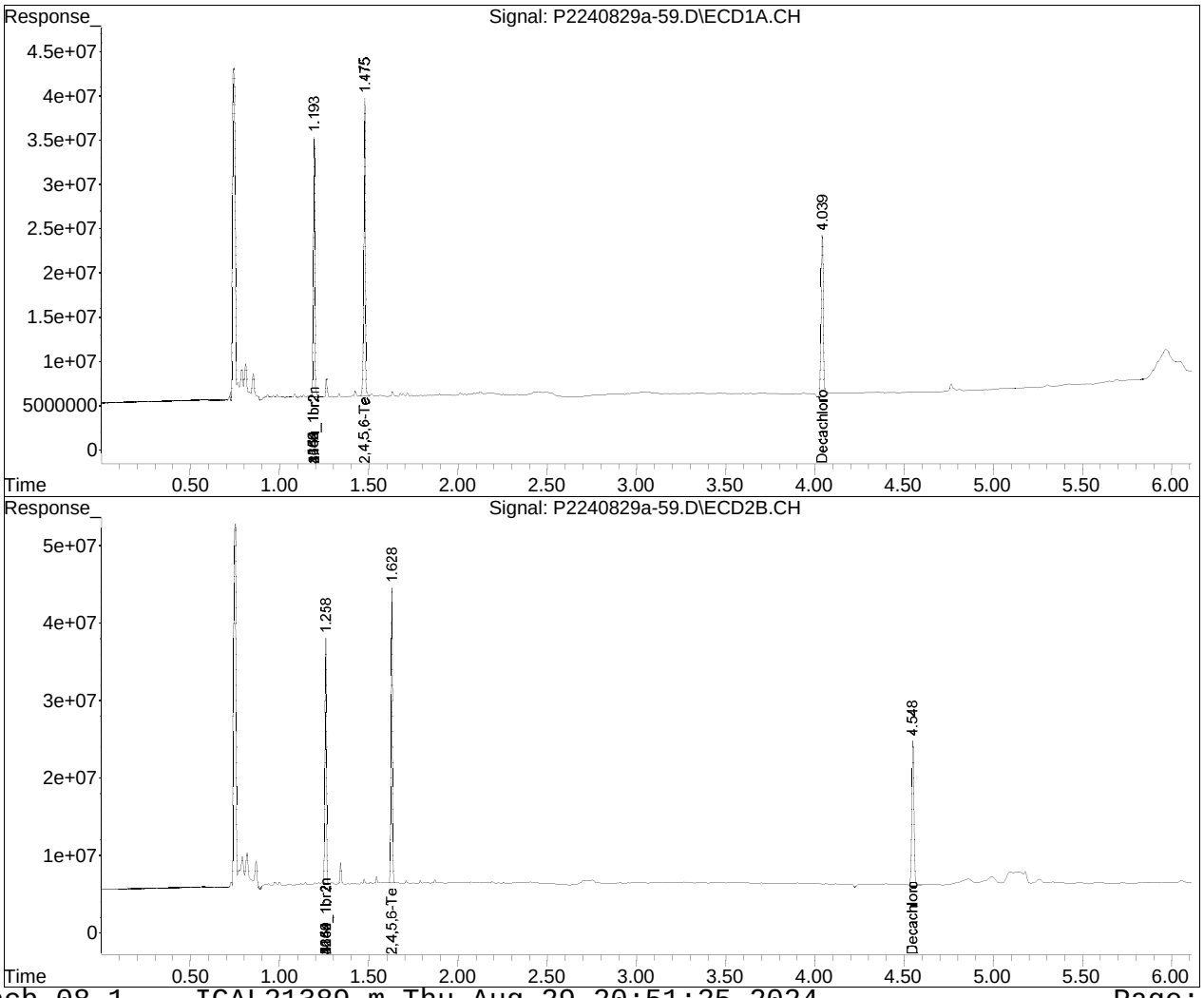
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-59.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:32
Operator : pest2:AD
Sample : L2447890-12,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:24 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

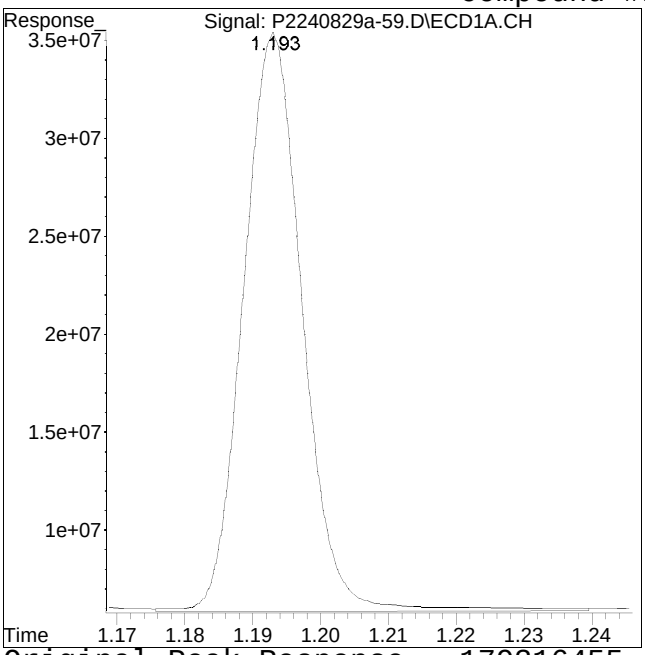
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

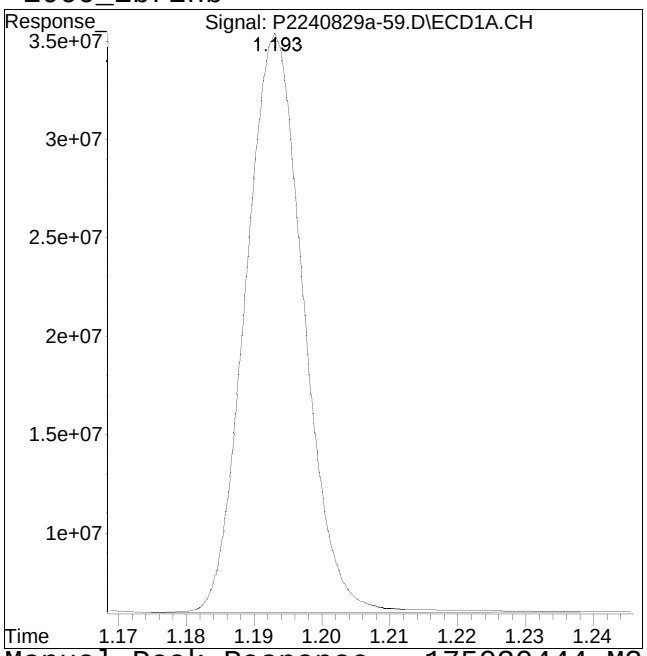


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-59.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:32 Instrument : Pest 2
Sample : L2447890-12,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



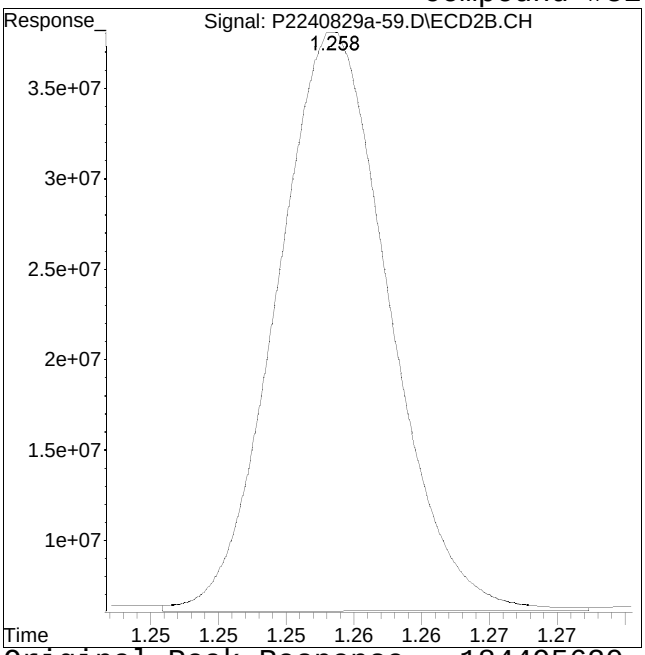


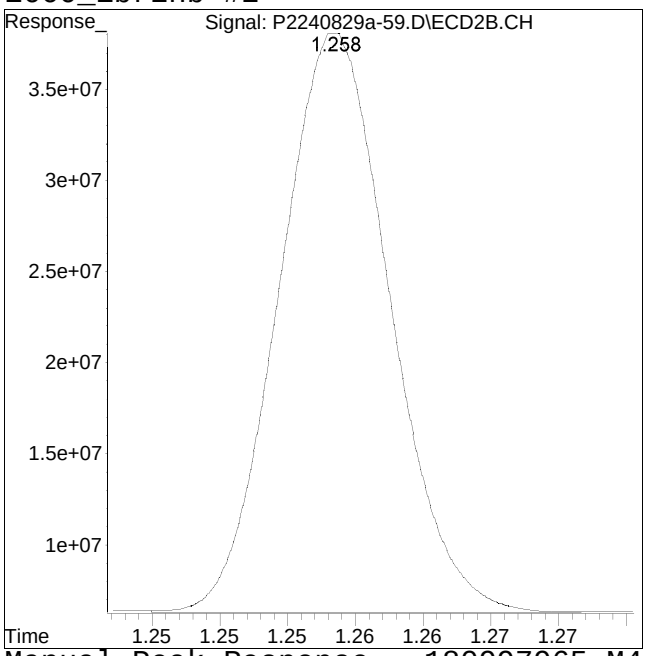
Original Peak Response = 179316455 Manual Peak Response = 175030444 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-59.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:32 Instrument : Pest 2
Sample : L2447890-12,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



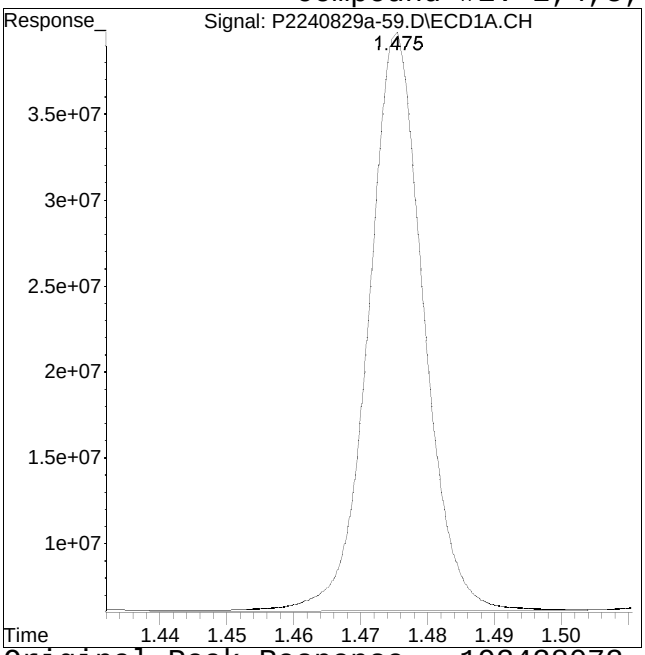


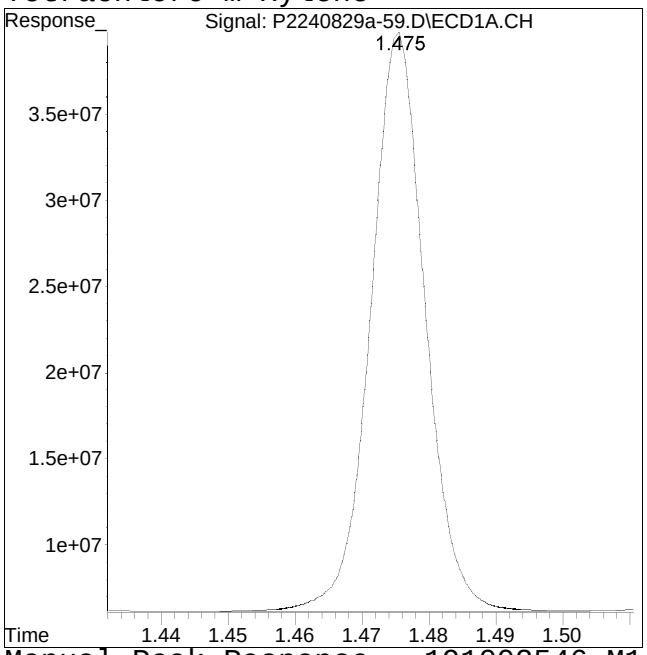
Original Peak Response = 184495620 Manual Peak Response = 180997965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-59.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:32 Instrument : Pest 2
Sample : L2447890-12,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



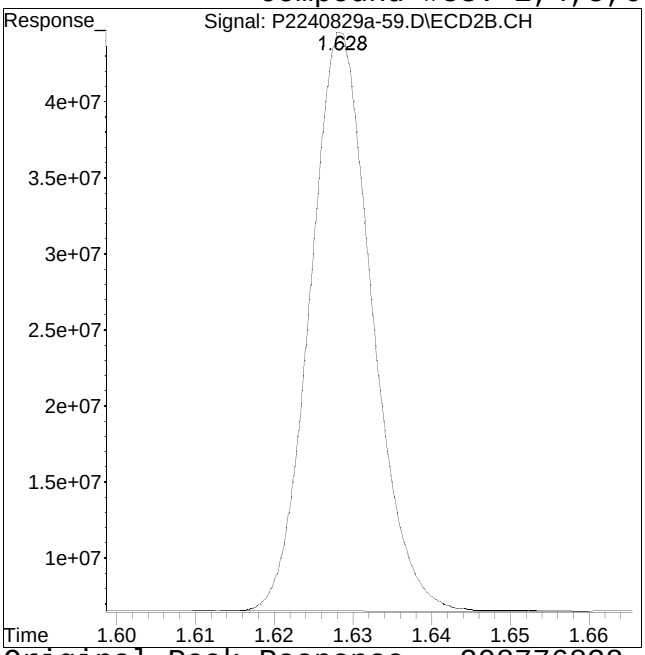


Original Peak Response = 193438073 Manual Peak Response = 191002546 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

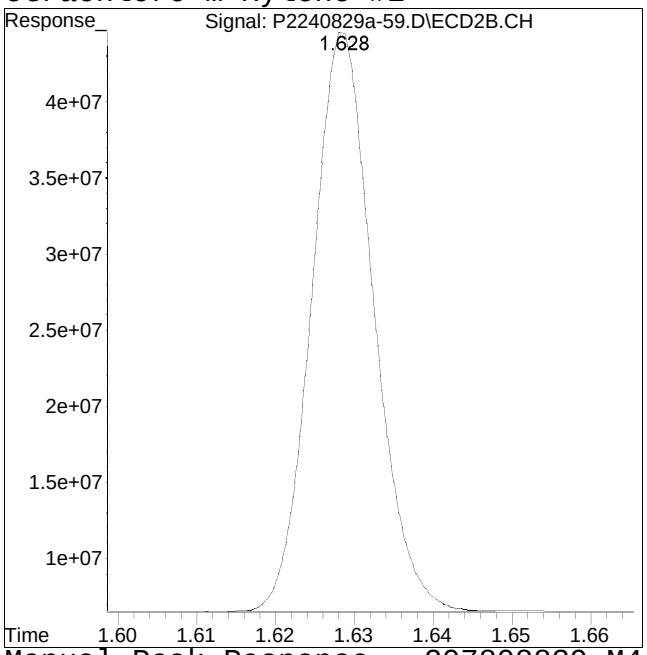
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-59.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:32 Instrument : Pest 2
Sample : L2447890-12,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 208776838



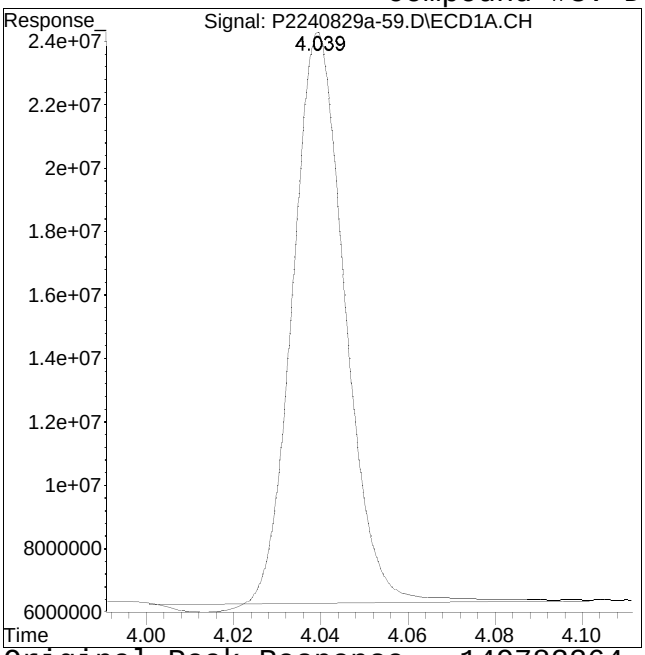
Manual Peak Response = 207808839 M4

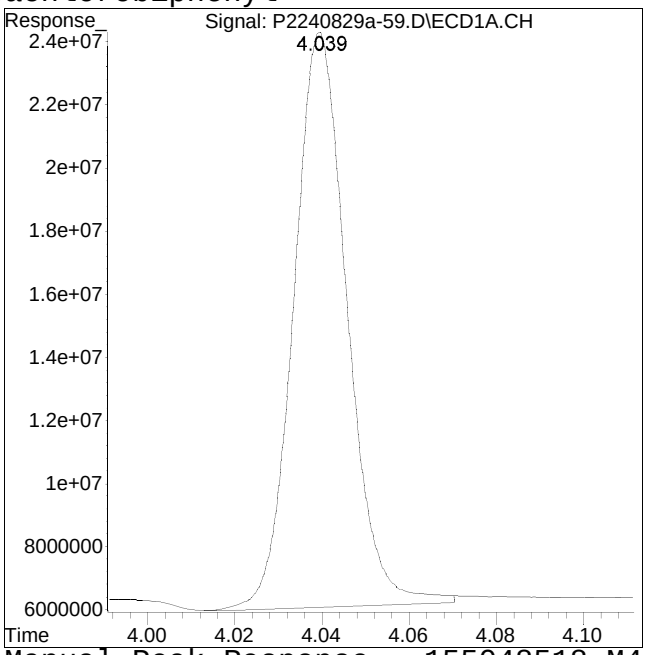
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-59.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:32 Instrument : Pest 2
Sample : L2447890-12,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 149782364 Manual Peak Response = 155048518 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-60.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:41
Operator : pest2:AD
Sample : L2447890-13,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:27 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	180.4E6	188.7E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery =	94.23%	
	Standard Area 1 : #2 = 190535960				Recovery =	99.03%	
14) i	2154_1br2nb	1.193	1.258	180.4E6	188.7E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.193	1.258	180.4E6	188.7E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.193	1.258	180.4E6	188.7E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.193	1.258	180.4E6	188.7E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	191.0E6	212.5E6	16.447M4	18.639M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	82.23%	93.19%
3) s	Decachlorobi	4.039	4.548	141.8E6	151.4E6	16.736M1	19.892M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	83.68%	99.46%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-60.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:41
Operator : pest2:AD
Sample : L2447890-13,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:27 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-60.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:41
Operator : pest2:AD
Sample : L2447890-13,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:27 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-60.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:41
Operator : pest2:AD
Sample : L2447890-13,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:27 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829A\P2240829a-39.D
Sub List : Default - All compounds listed

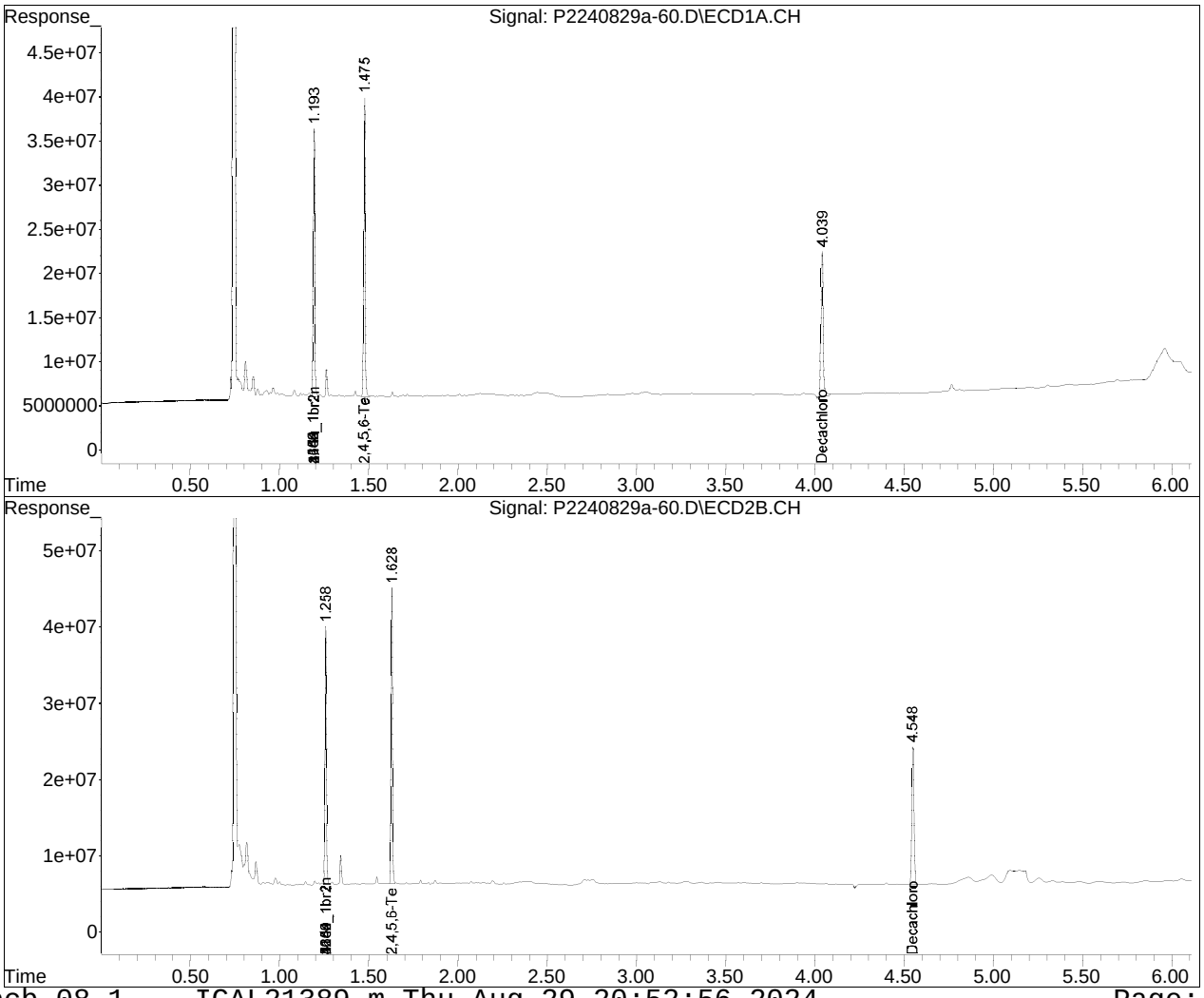
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829A\
Data File : P2240829a-60.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 18:41
Operator : pest2:AD
Sample : L2447890-13,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 60 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 20:29:27 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

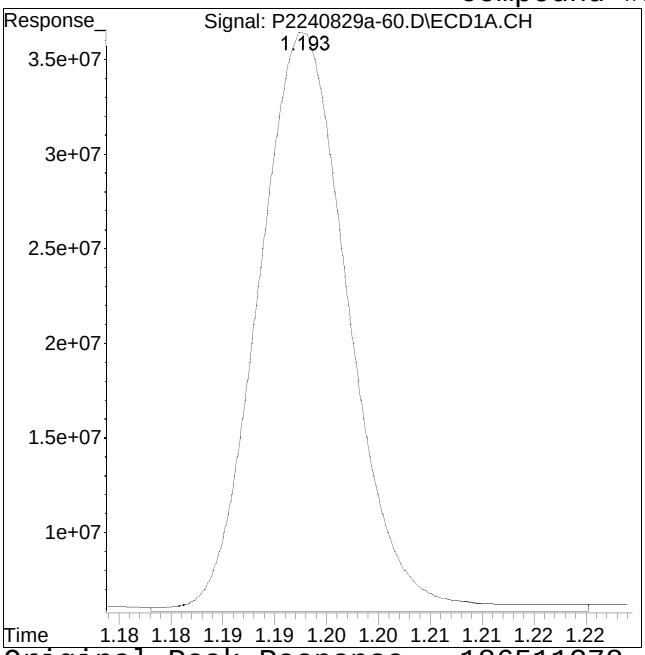
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



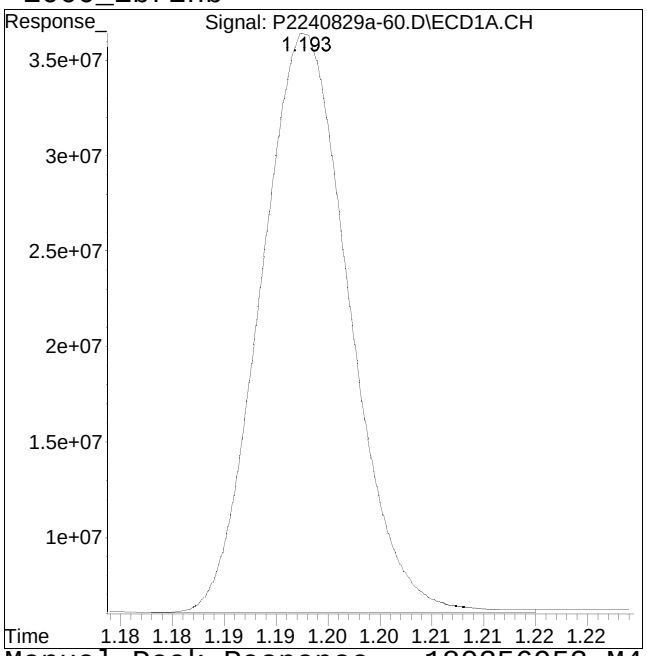
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #1: 1660_1br2nb



Original Peak Response = 186511278



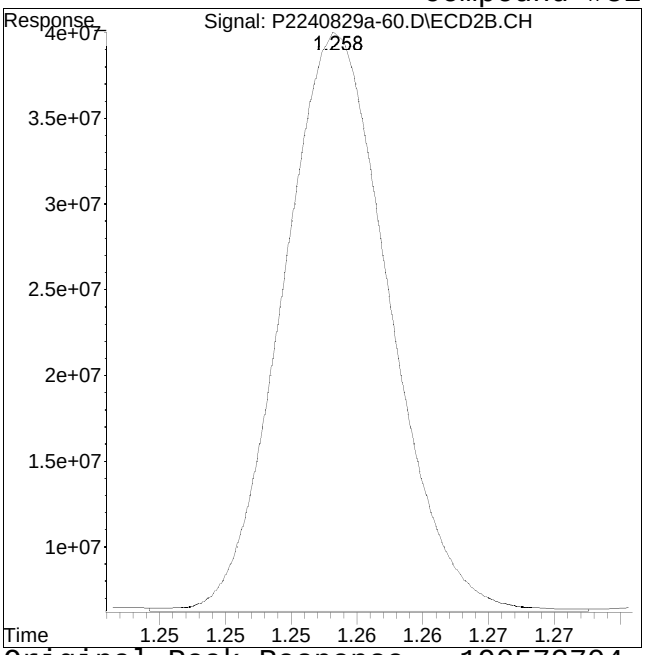
Manual Peak Response = 180356953 M4

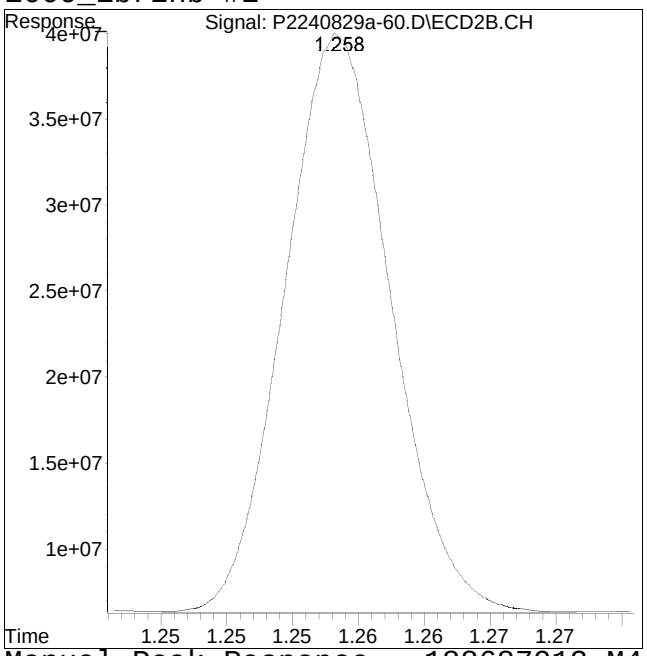
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #52: 1660_1br2nb #2



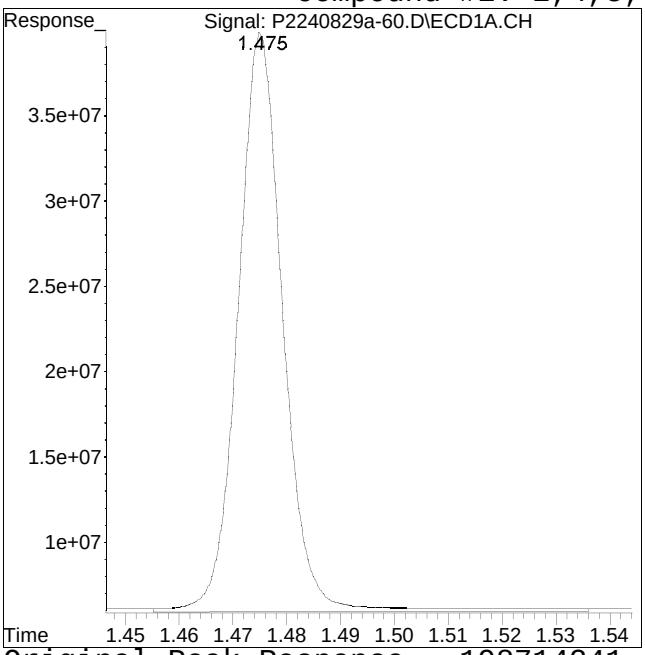


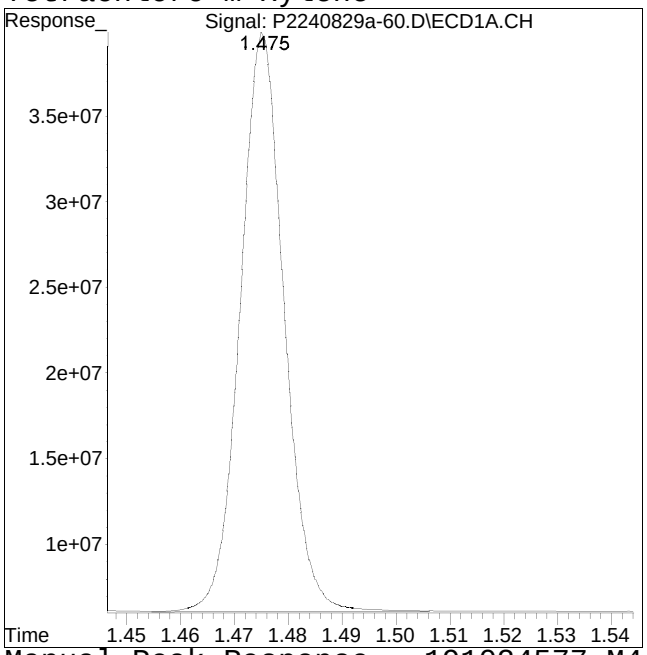
Original Peak Response = 190573704 Manual Peak Response = 188687912 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



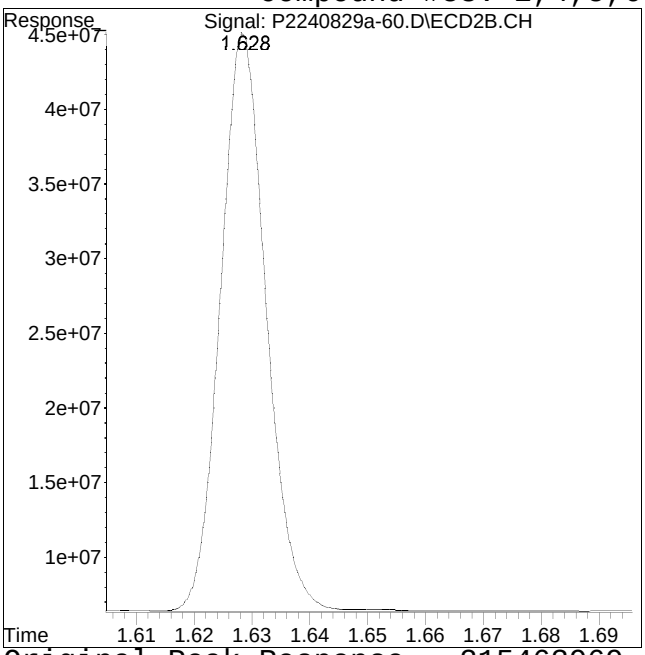


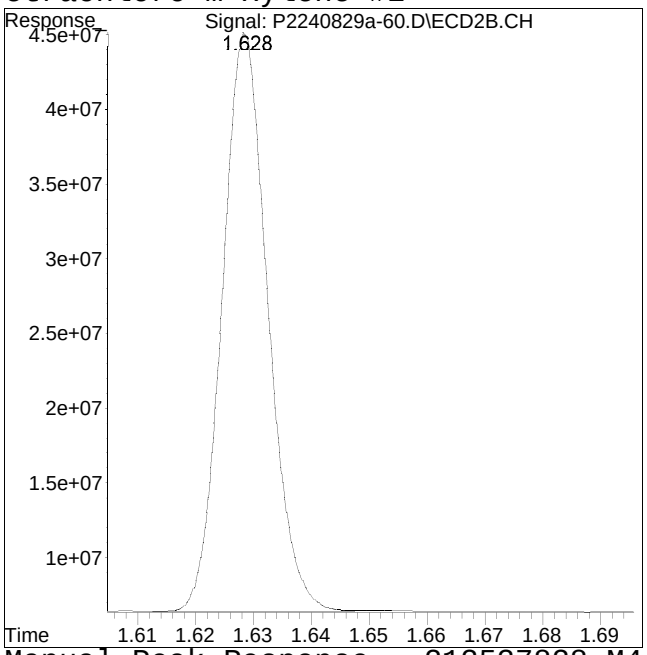
Original Peak Response = 198714241 Manual Peak Response = 191024577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



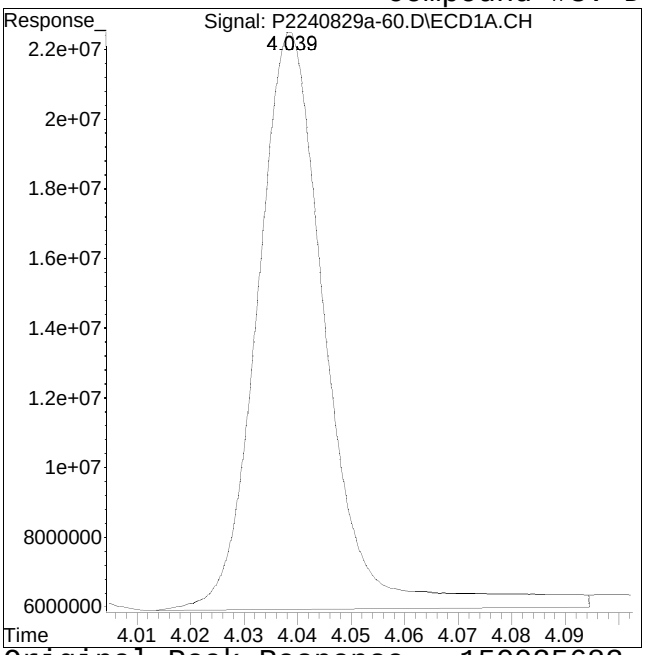


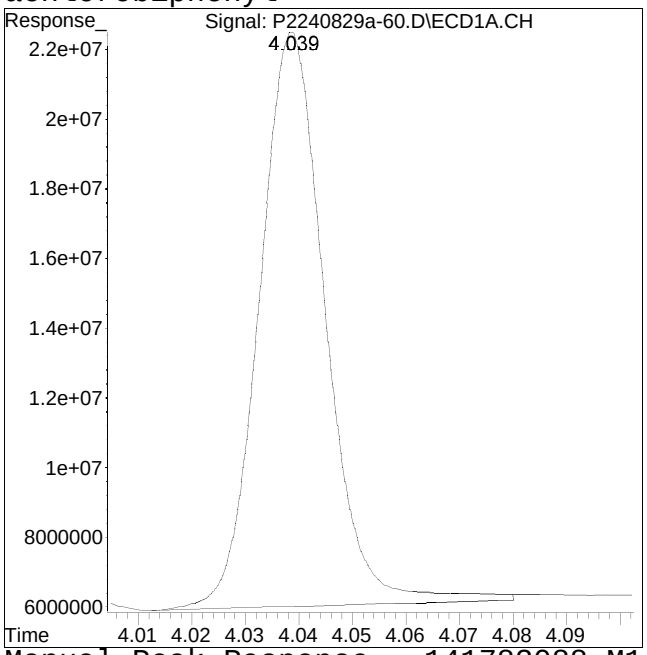
Original Peak Response = 215463969 Manual Peak Response = 212537828 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #3: Decachlorobiphenyl



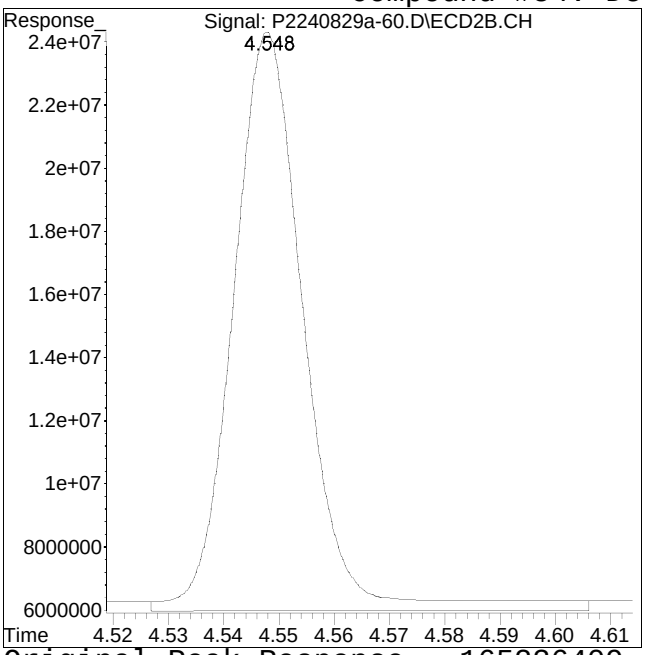


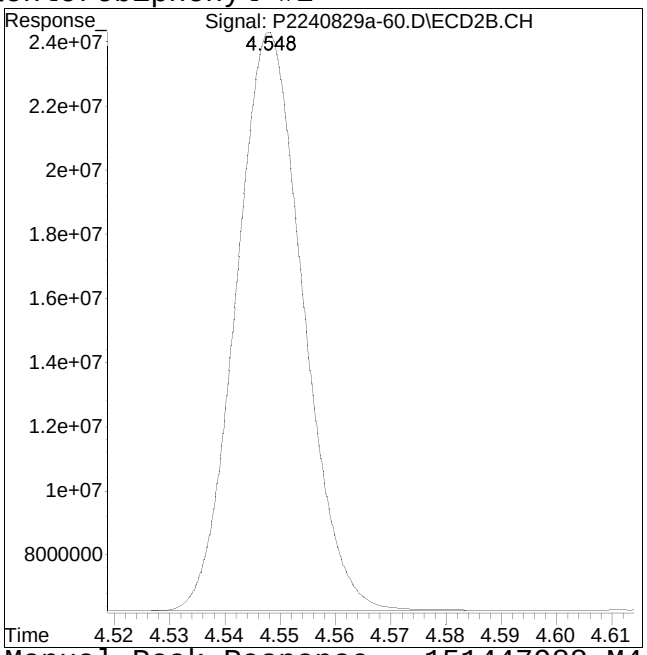
Original Peak Response = 150025683 Manual Peak Response = 141783088 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-60.D Operator : pest2:AD
Date Inj'd : 8/29/2024 18:41 Instrument : Pest 2
Sample : L2447890-13,42,, Quant Date : 8/29/2024 8:29 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 165236409 Manual Peak Response = 151447988 M4
M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra	1.625	1.528	1.620	1.596	1.627	1.609	1.664	1.610	2.58
3)	s	Decachlorobip	1.201	1.192	1.147	1.204	1.180	1.140	1.156	1.174	2.25
4)	l1	1016-1	0.032	0.030	0.029	0.029	0.028	0.027	0.027	0.029	5.61
5)	l1	1016-2	0.046	0.052	0.060	0.058	0.058	0.053	0.054	0.054	8.88
6)	l1	1016-3	0.128	0.121	0.120	0.124	0.125	0.122	0.125	0.124	2.44
7)	l1	1016-4	0.053	0.050	0.051	0.051	0.050	0.049	0.050	0.051	2.61
8)	l1	1016-5	0.075	0.068	0.058	0.057	0.054	0.052	0.053	0.059	14.41
9)	l2	1260-1	0.084	0.076	0.075	0.080	0.077	0.074	0.075	0.077	4.47
10)	l2	1260-2	0.115	0.114	0.114	0.118	0.115	0.111	0.114	0.115	1.77
11)	l2	1260-3	0.065	0.068	0.067	0.072	0.074	0.072	0.073	0.070	4.83
12)	l2	1260-4	0.141	0.145	0.149	0.152	0.155	0.152	0.158	0.150	3.76
13)	l2	1260-5	0.115	0.109	0.108	0.112	0.112	0.109	0.115	0.111	2.71
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.017			0.017	0.00
16)	l3	1221-3					0.010			0.010	0.00
17)	l3	1221-4					0.041			0.041	0.00
18)	l4	1254-1					0.054			0.054	0.00
19)	l4	1254-2					0.097			0.097	0.00
20)	l4	1254-3					0.108			0.108	0.00
21)	l4	1254-4					0.075			0.075	0.00
22)	l4	1254-5					0.104			0.104	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.021			0.021	0.00
25)	l6	1242-2					0.043			0.043	0.00
26)	l6	1242-3					0.093			0.093	0.00
27)	l6	1242-4					0.040			0.040	0.00
28)	l6	1242-5					0.031			0.031	0.00
29)	l9	1268-1					0.201			0.201	0.00
30)	l9	1268-2					0.195			0.195	0.00
31)	l9	1268-3					0.155			0.155	0.00
32)	l9	1268-4					0.072			0.072	0.00
33)	l9	1268-5					0.471			0.471	0.00
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.060			0.060	0.00
36)	l7	1248-2					0.078			0.078	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3					0.069			0.069	0.00
38) l7	1248-4					0.058			0.058	0.00
39) l7	1248-5					0.052			0.052	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.031			0.031	0.00
42) l5	1232-2					0.026			0.026	0.00
43) l5	1232-3					0.058			0.058	0.00
44) l5	1232-4					0.025			0.025	0.00
45) l5	1232-5					0.017			0.017	0.00
46) l8	1262-1					0.089			0.089	0.00
47) l8	1262-2					0.113			0.113	0.00
48) l8	1262-3					0.098			0.098	0.00
49) l8	1262-4					0.184			0.184	0.00
50) l8	1262-5					0.061			0.061	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Signal #2 Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra	1.539	1.550	1.576	1.489	1.528	1.453	1.441	1.511	3.37
3)	s	Decachlorobip	1.065	1.117	1.054	1.023	0.987	0.920	0.895	1.009	7.95
4)	l1	1016-1	0.033	0.029	0.028	0.029	0.027	0.024	0.024	0.028	11.25
5)	l1	1016-2	0.065	0.065	0.064	0.063	0.060	0.054	0.051	0.060	9.28
6)	l1	1016-3	0.135	0.128	0.122	0.122	0.118	0.110	0.107	0.120	8.26
7)	l1	1016-4	0.066	0.051	0.050	0.051	0.048	0.044	0.043	0.051	14.90
8)	l1	1016-5	0.041	0.037	0.037	0.039	0.037	0.034	0.032	0.037	7.85
9)	l2	1260-1	0.062	0.070	0.071	0.071	0.072	0.065	0.064	0.068	6.22
10)	l2	1260-2	0.099	0.094	0.090	0.090	0.088	0.079	0.077	0.088	8.94
11)	l2	1260-3	0.076	0.078	0.073	0.073	0.072	0.066	0.063	0.071	7.52
12)	l2	1260-4	0.157	0.146	0.145	0.140	0.141	0.132	0.128	0.141	6.90
13)	l2	1260-5	0.124	0.108	0.106	0.105	0.100	0.094	0.090	0.104	10.55
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.018			0.018	0.00
16)	l3	1221-3					0.011			0.011	0.00
17)	l3	1221-4					0.037			0.037	0.00
18)	l4	1254-1					0.057			0.057	0.00
19)	l4	1254-2					0.067			0.067	0.00
20)	l4	1254-3					0.100			0.100	0.00
21)	l4	1254-4					0.068			0.068	0.00
22)	l4	1254-5					0.096			0.096	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.020			0.020	0.00
25)	l6	1242-2					0.044			0.044	0.00
26)	l6	1242-3					0.089			0.089	0.00
27)	l6	1242-4					0.035			0.035	0.00
28)	l6	1242-5					0.029			0.029	0.00
29)	l9	1268-1					0.174			0.174	0.00
30)	l9	1268-2					0.158			0.158	0.00
31)	l9	1268-3					0.131			0.131	0.00
32)	l9	1268-4					0.060			0.060	0.00
33)	l9	1268-5					0.383			0.383	0.00
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.059			0.059	0.00
36)	l7	1248-2					0.041			0.041	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Signal #2 Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3					0.051			0.051	0.00
38) l7	1248-4					0.056			0.056	0.00
39) l7	1248-5					0.063			0.063	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.029			0.029	0.00
42) l5	1232-2					0.029			0.029	0.00
43) l5	1232-3					0.054			0.054	0.00
44) l5	1232-4					0.022			0.022	0.00
45) l5	1232-5					0.016			0.016	0.00
46) l8	1262-1					0.068			0.068	0.00
47) l8	1262-2					0.088			0.088	0.00
48) l8	1262-3					0.082			0.082	0.00
49) l8	1262-4					0.151			0.151	0.00
50) l8	1262-5					0.056			0.056	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra...	1.625	1.528	1.620	1.596	1.627	1.609	1.664	1.610	2.58
3)	s	Decachlorobip...	1.201	1.192	1.147	1.204	1.180	1.140	1.156	1.174	2.25
4)	l1	1016-1	0.032	0.030	0.029	0.029	0.028	0.027	0.027	0.029	5.61
5)	l1	1016-2	0.046	0.052	0.060	0.058	0.058	0.053	0.054	0.054	8.88
6)	l1	1016-3	0.128	0.121	0.120	0.124	0.125	0.122	0.125	0.124	2.44
7)	l1	1016-4	0.053	0.050	0.051	0.051	0.050	0.049	0.050	0.051	2.61
8)	l1	1016-5	0.075	0.068	0.058	0.057	0.054	0.052	0.053	0.059	14.41
9)	l2	1260-1	0.084	0.076	0.075	0.080	0.077	0.074	0.075	0.077	4.47
10)	l2	1260-2	0.115	0.114	0.114	0.118	0.115	0.111	0.114	0.115	1.77
11)	l2	1260-3	0.065	0.068	0.067	0.072	0.074	0.072	0.073	0.070	4.83
12)	l2	1260-4	0.141	0.145	0.149	0.152	0.155	0.152	0.158	0.150	3.76
13)	l2	1260-5	0.115	0.109	0.108	0.112	0.112	0.109	0.115	0.111	2.71
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.017			0.017	0.00
16)	l3	1221-3					0.010			0.010	0.00
17)	l3	1221-4					0.041			0.041	0.00
18)	l4	1254-1					0.054			0.054	0.00
19)	l4	1254-2					0.097			0.097	0.00
20)	l4	1254-3					0.108			0.108	0.00
21)	l4	1254-4					0.075			0.075	0.00
22)	l4	1254-5					0.104			0.104	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.021			0.021	0.00
25)	l6	1242-2					0.043			0.043	0.00
26)	l6	1242-3					0.093			0.093	0.00
27)	l6	1242-4					0.040			0.040	0.00
28)	l6	1242-5					0.031			0.031	0.00
29)	l9	1268-1					0.201			0.201	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
30) l9	1268-2					0.195			0.195	0.00
31) l9	1268-3					0.155			0.155	0.00
32) l9	1268-4					0.072			0.072	0.00
33) l9	1268-5					0.471			0.471	0.00
34) i	1248_1br2nb	----------ISTD----------								
35) l7	1248-1					0.060			0.060	0.00
36) l7	1248-2					0.078			0.078	0.00
37) l7	1248-3					0.069			0.069	0.00
38) l7	1248-4					0.058			0.058	0.00
39) l7	1248-5					0.052			0.052	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.031			0.031	0.00
42) l5	1232-2					0.026			0.026	0.00
43) l5	1232-3					0.058			0.058	0.00
44) l5	1232-4					0.025			0.025	0.00
45) l5	1232-5					0.017			0.017	0.00
46) l8	1262-1					0.089			0.089	0.00
47) l8	1262-2					0.113			0.113	0.00
48) l8	1262-3					0.098			0.098	0.00
49) l8	1262-4					0.184			0.184	0.00
50) l8	1262-5					0.061			0.061	0.00

Signal #2 Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------								
2) s	2,4,5,6-Tetra...	1.539	1.550	1.576	1.489	1.528	1.453	1.441	1.511	3.37

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
3)	s	Decachlorobip...	1.065	1.117	1.054	1.023	0.987	0.920	0.895	1.009	7.95
4)	l1	1016-1	0.033	0.029	0.028	0.029	0.027	0.024	0.024	0.028	11.25
5)	l1	1016-2	0.065	0.065	0.064	0.063	0.060	0.054	0.051	0.060	9.28
6)	l1	1016-3	0.135	0.128	0.122	0.122	0.118	0.110	0.107	0.120	8.26
7)	l1	1016-4	0.066	0.051	0.050	0.051	0.048	0.044	0.043	0.051	14.90
8)	l1	1016-5	0.041	0.037	0.037	0.039	0.037	0.034	0.032	0.037	7.85
9)	l2	1260-1	0.062	0.070	0.071	0.071	0.072	0.065	0.064	0.068	6.22
10)	l2	1260-2	0.099	0.094	0.090	0.090	0.088	0.079	0.077	0.088	8.94
11)	l2	1260-3	0.076	0.078	0.073	0.073	0.072	0.066	0.063	0.071	7.52
12)	l2	1260-4	0.157	0.146	0.145	0.140	0.141	0.132	0.128	0.141	6.90
13)	l2	1260-5	0.124	0.108	0.106	0.105	0.100	0.094	0.090	0.104	10.55
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.018			0.018	0.00
16)	l3	1221-3					0.011			0.011	0.00
17)	l3	1221-4					0.037			0.037	0.00
18)	l4	1254-1					0.057			0.057	0.00
19)	l4	1254-2					0.067			0.067	0.00
20)	l4	1254-3					0.100			0.100	0.00
21)	l4	1254-4					0.068			0.068	0.00
22)	l4	1254-5					0.096			0.096	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.020			0.020	0.00
25)	l6	1242-2					0.044			0.044	0.00
26)	l6	1242-3					0.089			0.089	0.00
27)	l6	1242-4					0.035			0.035	0.00
28)	l6	1242-5					0.029			0.029	0.00
29)	l9	1268-1					0.174			0.174	0.00
30)	l9	1268-2					0.158			0.158	0.00
31)	l9	1268-3					0.131			0.131	0.00
32)	l9	1268-4					0.060			0.060	0.00
33)	l9	1268-5					0.383			0.383	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.059			0.059	0.00
36)	l7	1248-2					0.041			0.041	0.00
37)	l7	1248-3					0.051			0.051	0.00
38)	l7	1248-4					0.056			0.056	0.00
39)	l7	1248-5					0.063			0.063	0.00
40)	i	3262_1br2nb	----------ISTD----------								
41)	l5	1232-1					0.029			0.029	0.00
42)	l5	1232-2					0.029			0.029	0.00
43)	l5	1232-3					0.054			0.054	0.00
44)	l5	1232-4					0.022			0.022	0.00
45)	l5	1232-5					0.016			0.016	0.00
46)	l8	1262-1					0.068			0.068	0.00
47)	l8	1262-2					0.088			0.088	0.00
48)	l8	1262-3					0.082			0.082	0.00
49)	l8	1262-4					0.151			0.151	0.00
50)	l8	1262-5					0.056			0.056	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.190	1.256	198.4E6	231.1E6	25.000	25.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.611	1.827	41311753	46105060	250.000	250.919M4
25) l6	1242-2	1.753	1.998	85737554	102.1E6	250.000	251.972M4
26) l6	1242-3	1.942	2.199	185.4E6	205.2E6	250.000	250.000
27) l6	1242-4	1.998	2.259	79813588	81713640	250.000	250.000
28) l6	1242-5	2.350	2.645	61464460	66967001	250.000	250.000
Sum	1242-1			453.7E6	502.2E6	1250.000	1252.892
Average	1242-1					250.000	250.578
29) l9	1268-1	3.475	3.899	399.2E6	401.6E6	250.000	250.000
30) l9	1268-2	3.496	3.925	386.9E6	365.7E6	250.000	250.000
31) l9	1268-3	3.598	4.067	306.7E6	303.1E6	250.000	250.000
32) l9	1268-4	3.786	4.220	142.8E6	139.8E6	250.000	250.000
33) l9	1268-5	3.940	4.407	933.8E6	884.5E6	250.000	250.000
Sum	1268-1			2169.4E6	2094.6E6	NoCal	NoCal D
Average	1268-1					250.000	250.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

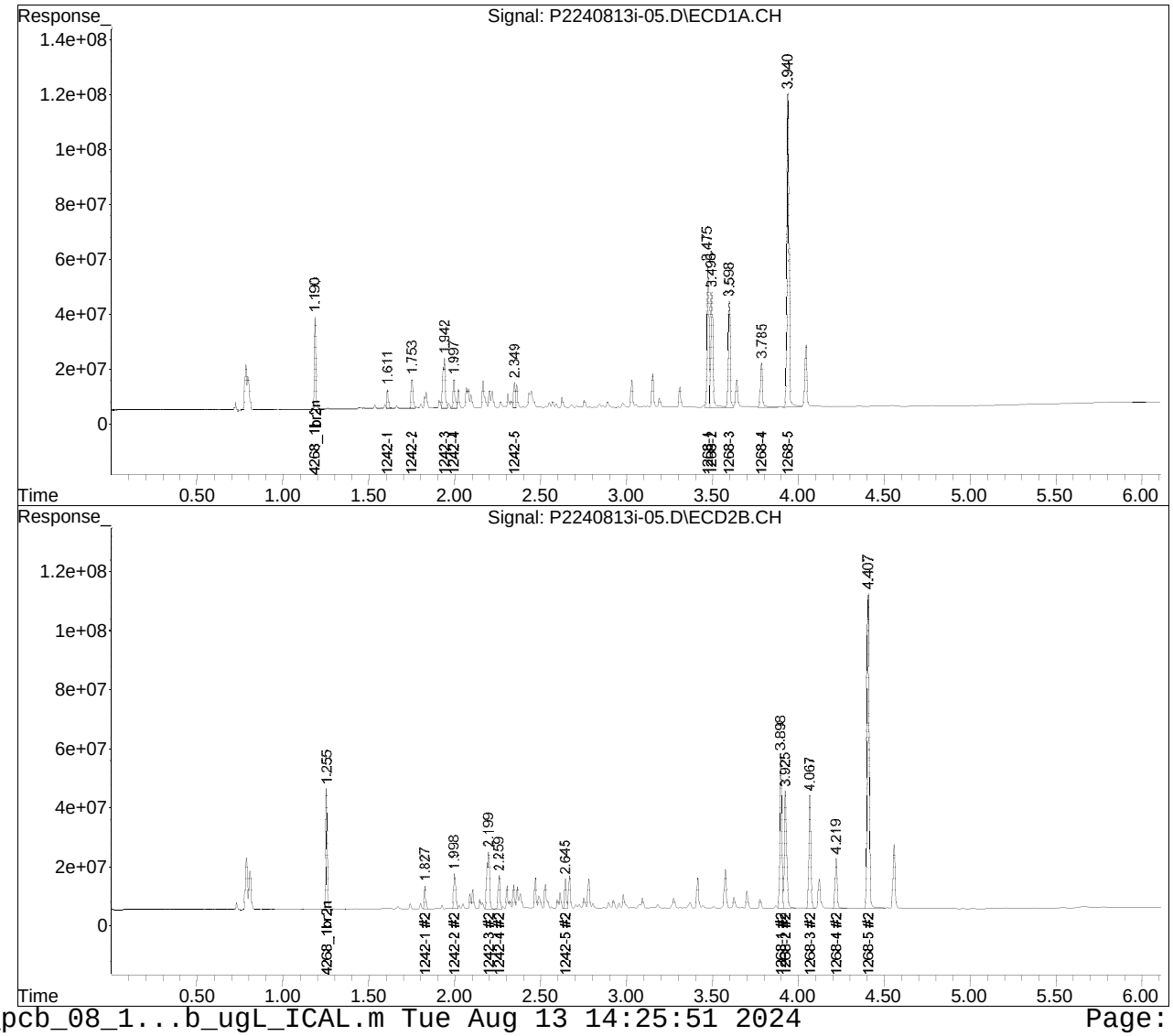
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

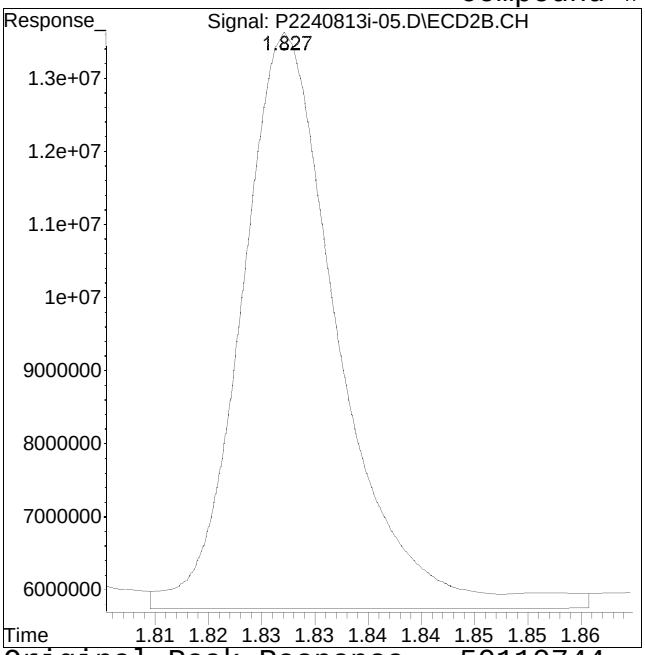
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

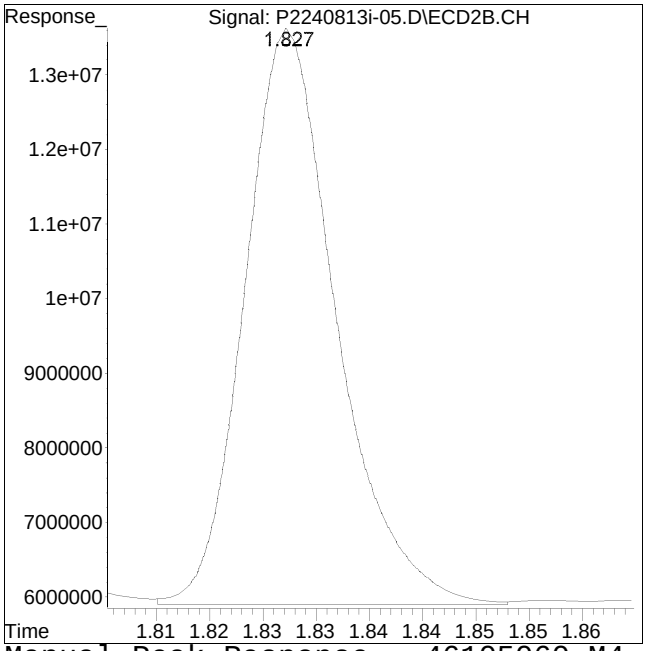


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-05.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:14 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 8/13/2024 1:22 pm

Compound #75: 1242-1 #2



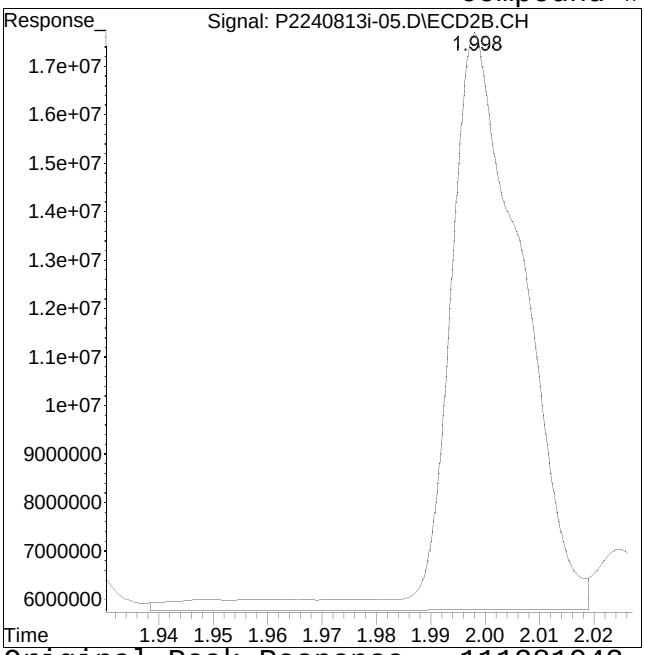


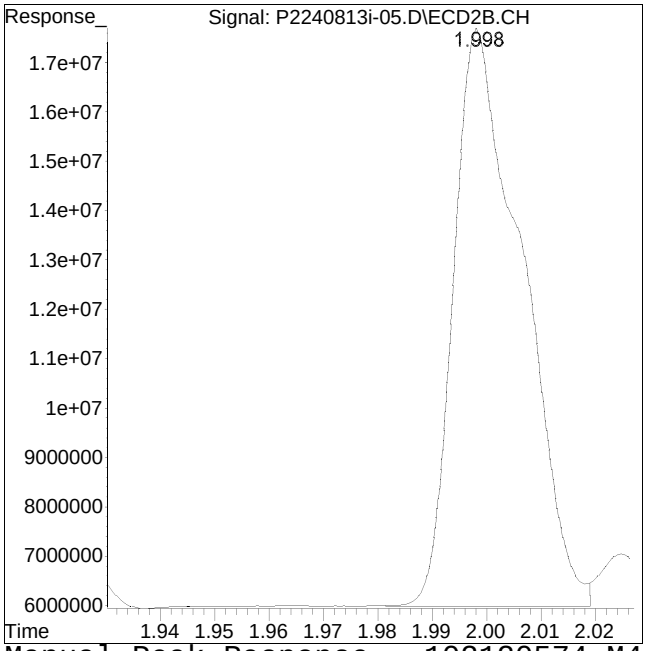
Original Peak Response = 50110744 Manual Peak Response = 46105060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-05.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:14 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 8/13/2024 1:22 pm

Compound #76: 1242-2 #2





Original Peak Response = 111281942 Manual Peak Response = 102120574 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.191	1.256	181.7E6	219.3E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.612	1.827	56306142	62984601	246.596M4	251.193M4
42) l5	1232-2	1.753	1.997	47740730	63121277	253.969M4	245.162M4
43) l5	1232-3	1.942	2.199	105.5E6	118.6E6	244.235M4	247.647M4
44) l5	1232-4	1.997	2.259	44538637	48724114	231.313M4	246.147M4
45) l5	1232-5	2.349	2.645	30033612	35817221	245.425M4	225.716M4
Sum	1232-1			284.1E6	329.2E6	1221.538	1215.865
Average	1232-1					244.308	243.173
46) l8	1262-1	2.840	3.181	161.2E6	150.0E6	250.216	249.941
47) l8	1262-2	3.032	3.415	205.4E6	193.1E6	250.216	249.941
48) l8	1262-3	3.156	3.574	177.8E6	180.6E6	250.216	249.941
49) l8	1262-4	3.311	3.703	334.8E6	330.6E6	254.606M3	249.941
50) l8	1262-5	3.786	4.220	110.8E6	123.5E6	250.216	249.941
Sum	1262-1			990.0E6	977.7E6	1255.470	1249.703
Average	1262-1					251.094	249.941

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			990.0E6	977.7E6	1255.470	1249.703
Average	1262-1					251.094	249.941

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

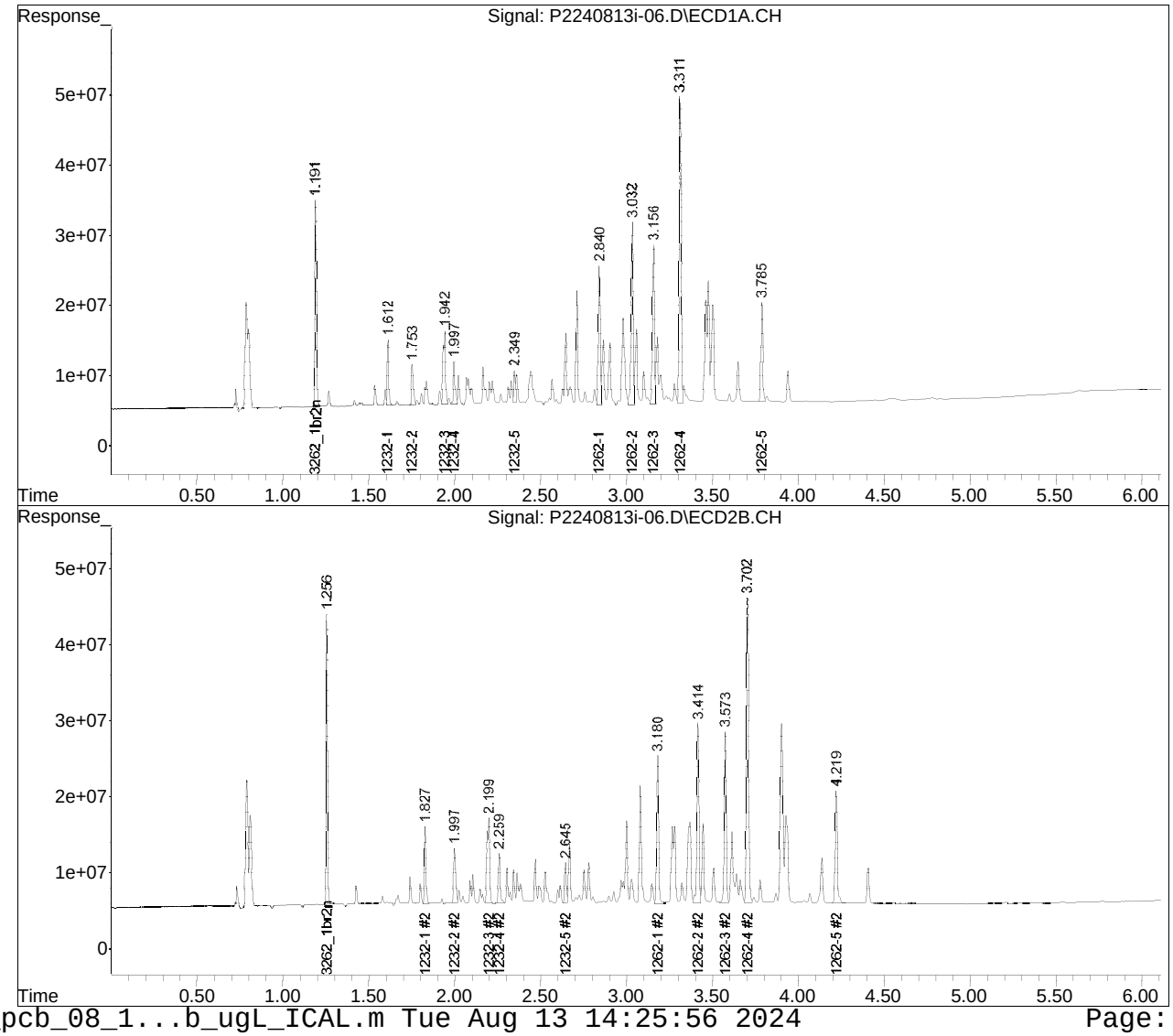
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

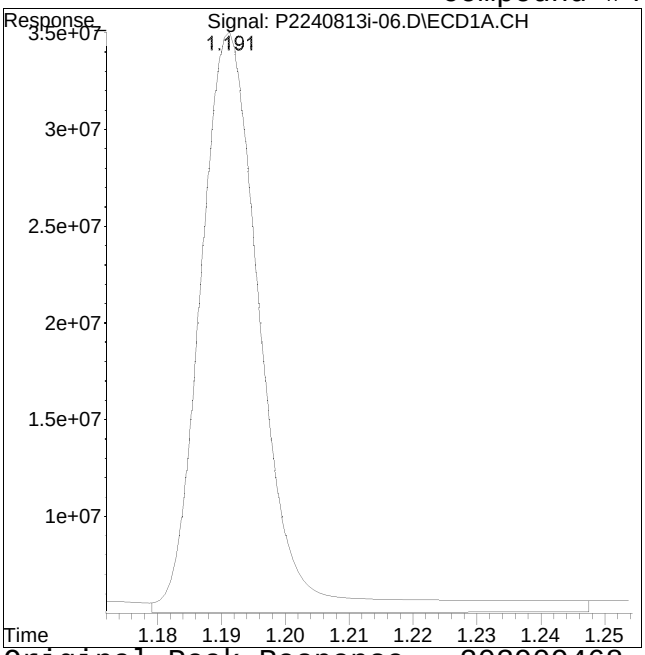
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

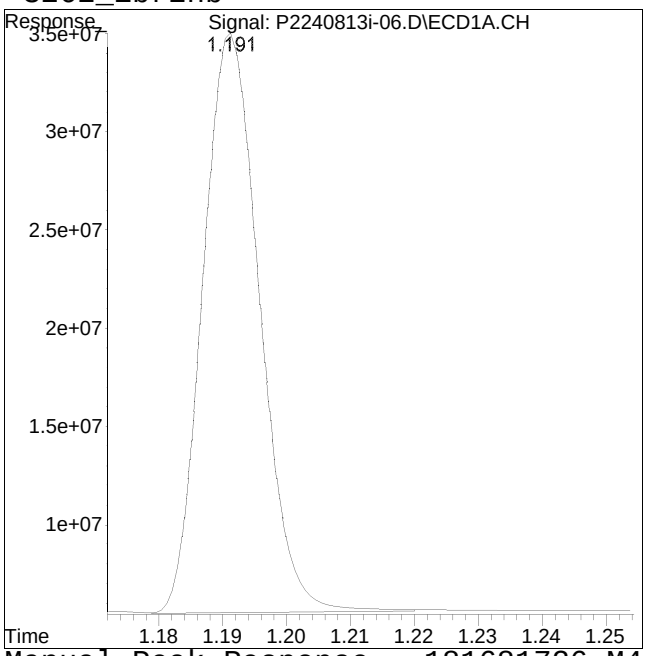


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #40: 3262_1br2nb



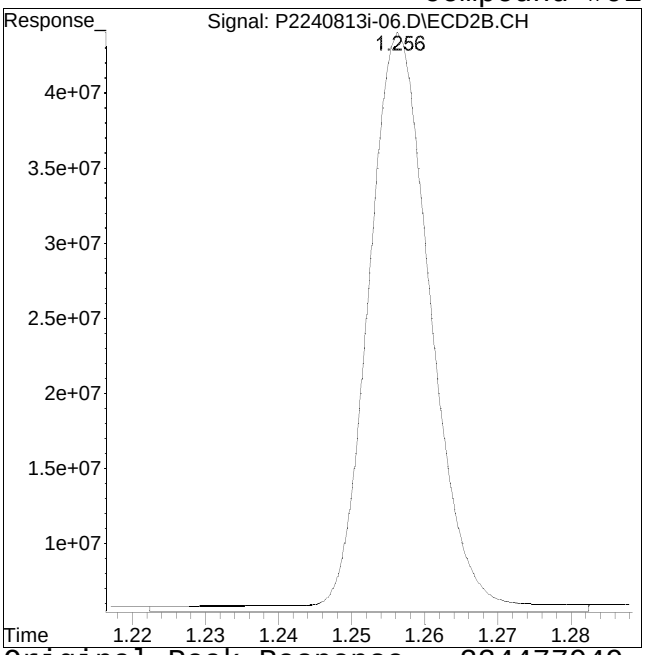


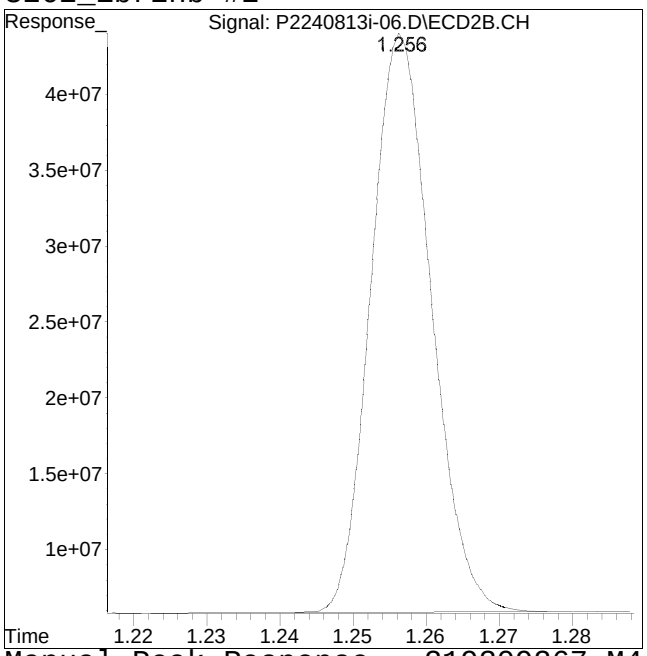
Original Peak Response = 203909468 Manual Peak Response = 181681726 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #91: 3262_1br2nb #2



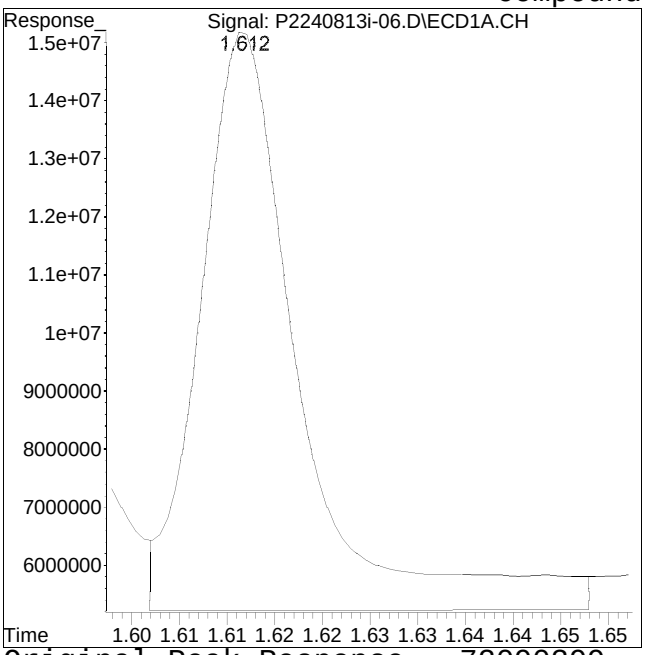


Original Peak Response = 234477949 Manual Peak Response = 219309267 M4
M4 = Poor automated baseline construction.

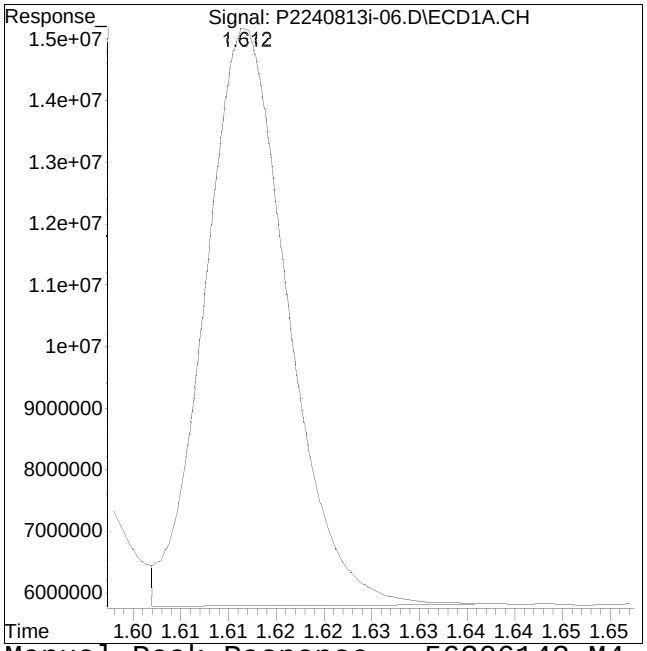
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #41: 1232-1



Original Peak Response = 72090399



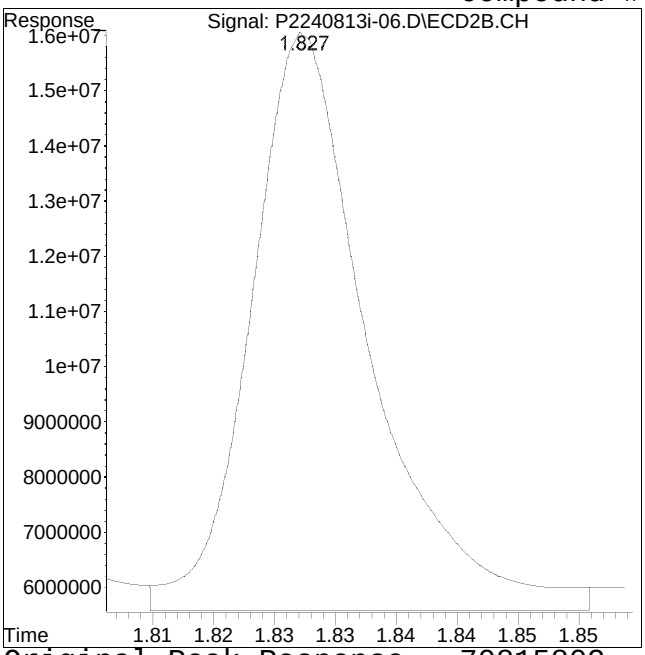
Manual Peak Response = 56306142 M4

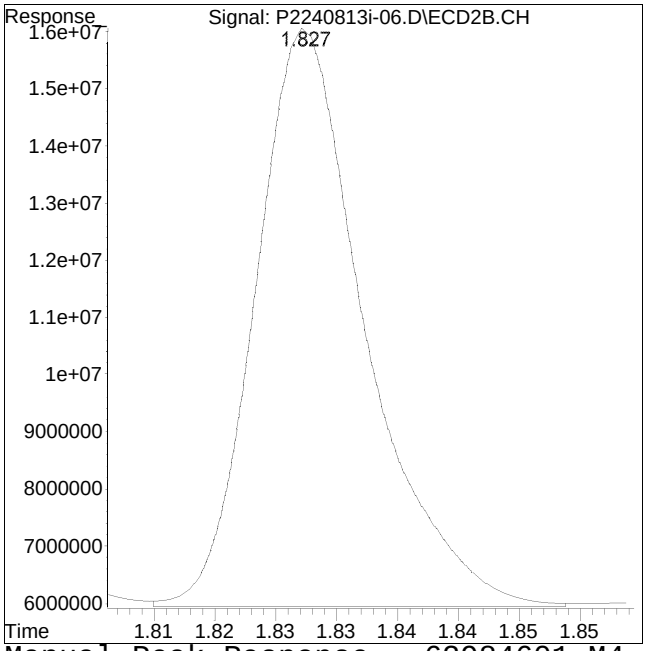
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #92: 1232-1 #2



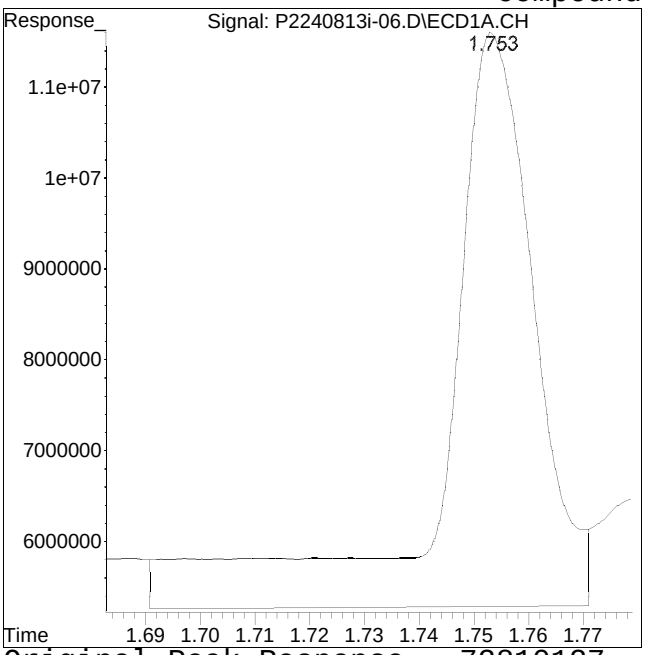


Original Peak Response = 70815802 Manual Peak Response = 62984601 M4
M4 = Poor automated baseline construction.

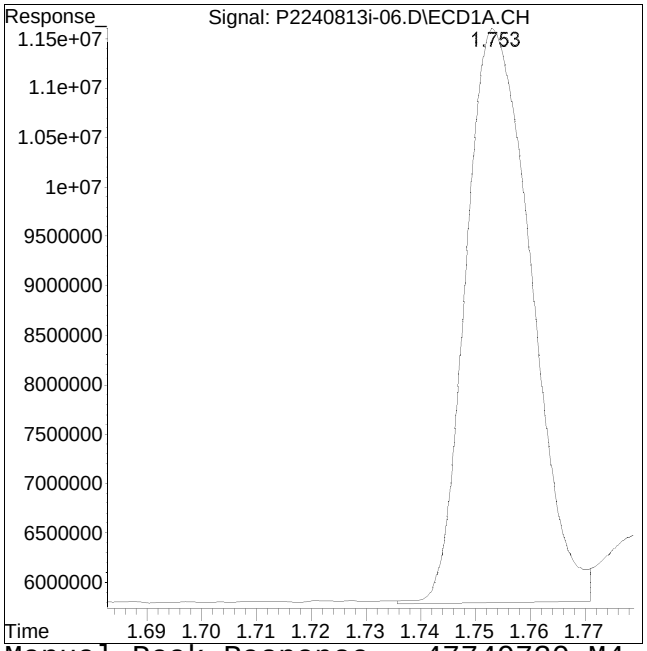
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #42: 1232-2



Original Peak Response = 72810127



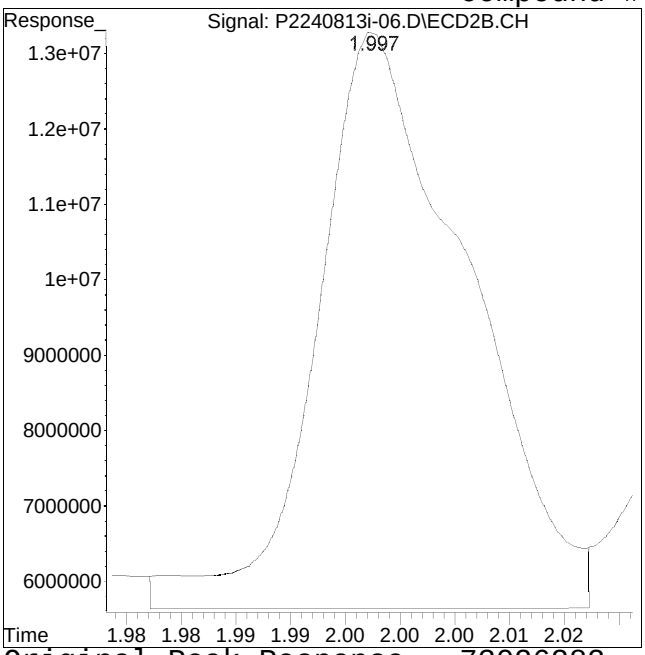
Manual Peak Response = 47740730 M4

M4 = Poor automated baseline construction.

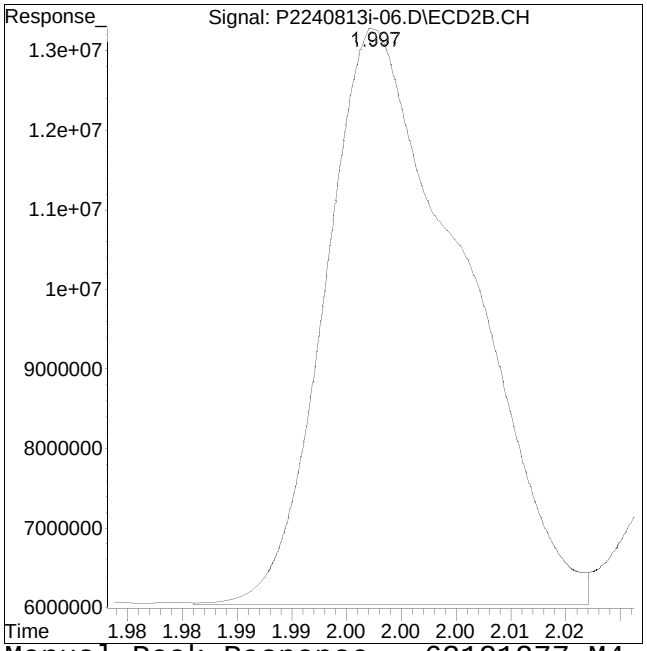
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #93: 1232-2 #2



Original Peak Response = 73026282



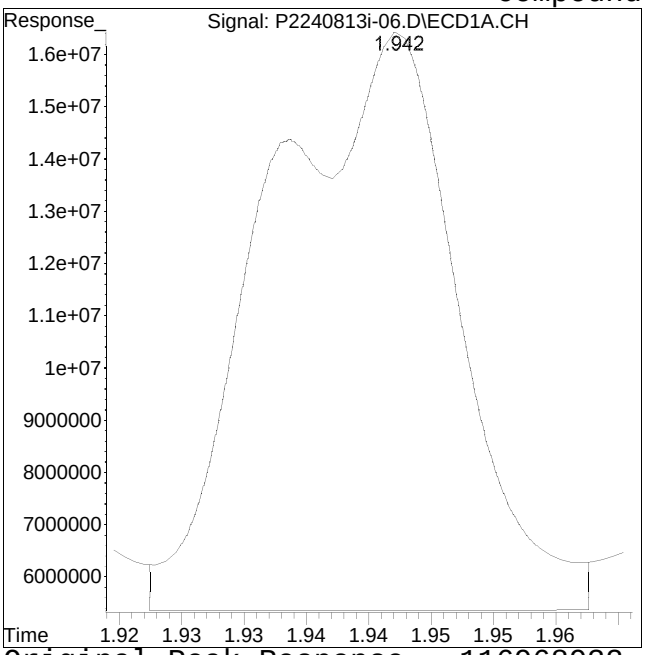
Manual Peak Response = 63121277 M4

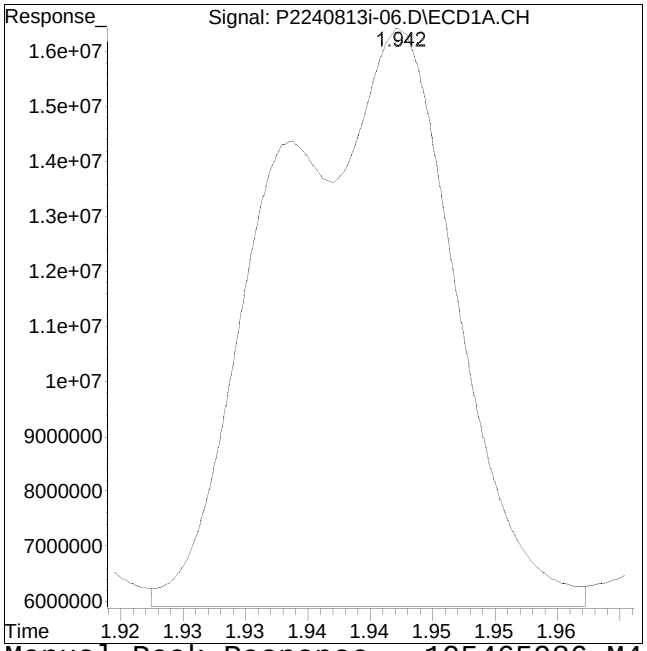
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #43: 1232-3



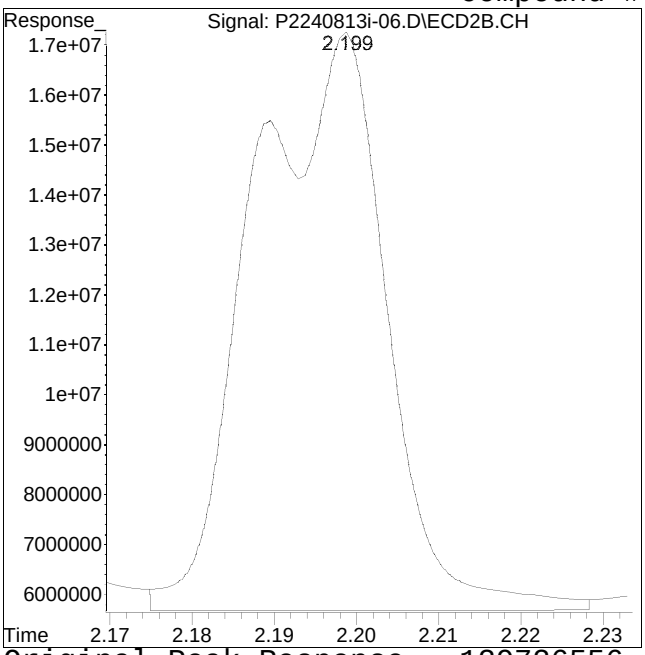


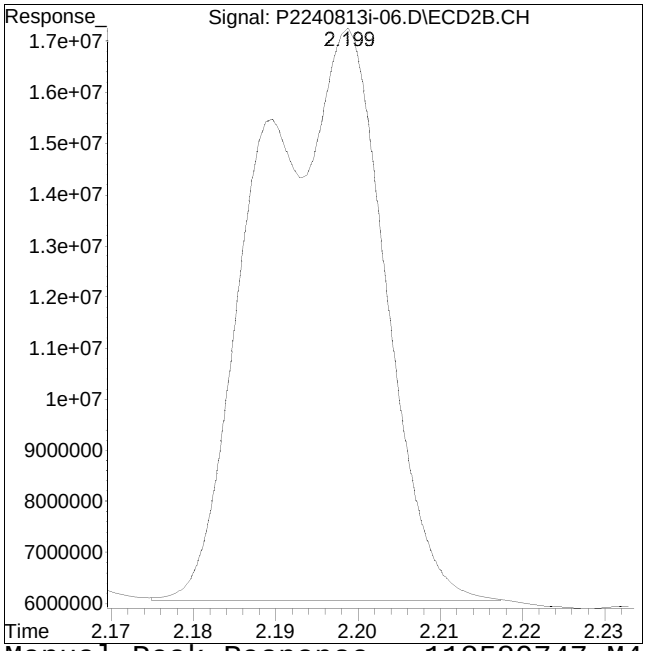
Original Peak Response = 116968932 Manual Peak Response = 105465986 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #94: 1232-3 #2



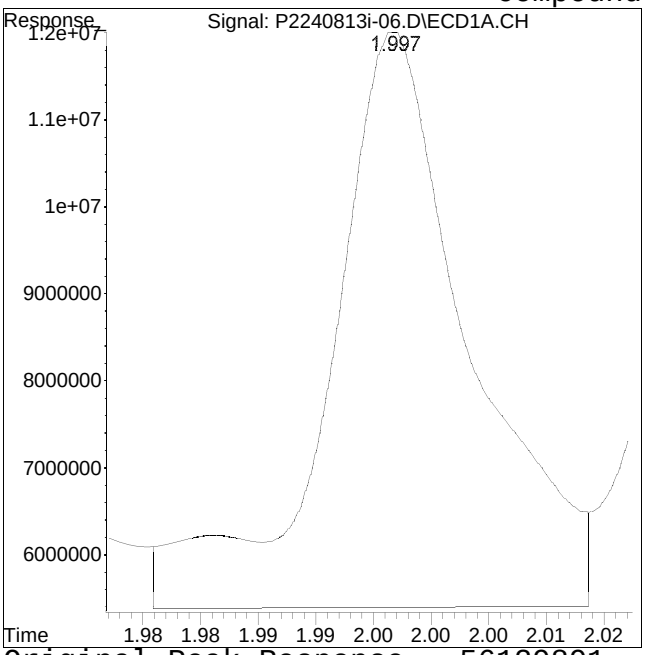


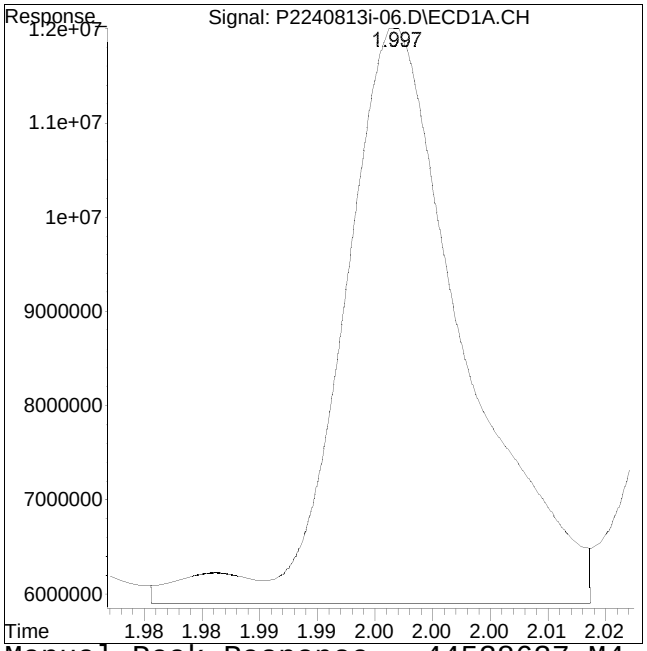
Original Peak Response = 129726556 Manual Peak Response = 118580747 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #44: 1232-4



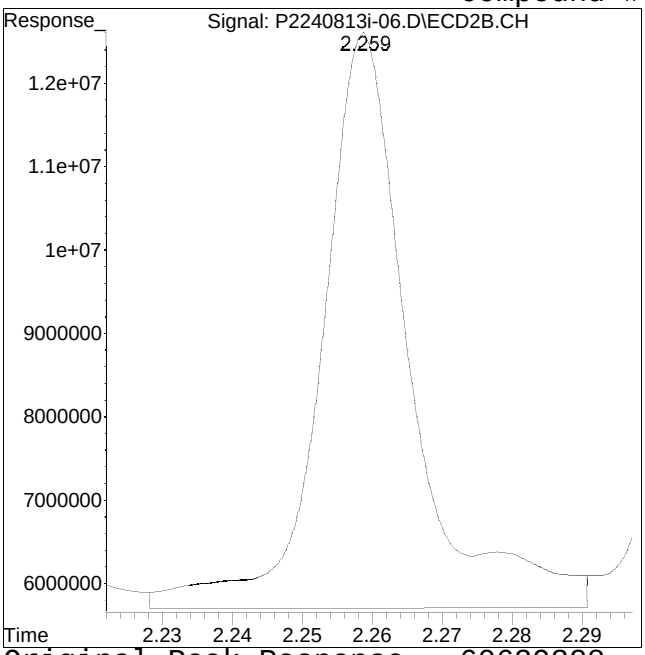


Original Peak Response = 56129891 Manual Peak Response = 44538637 M4
M4 = Poor automated baseline construction.

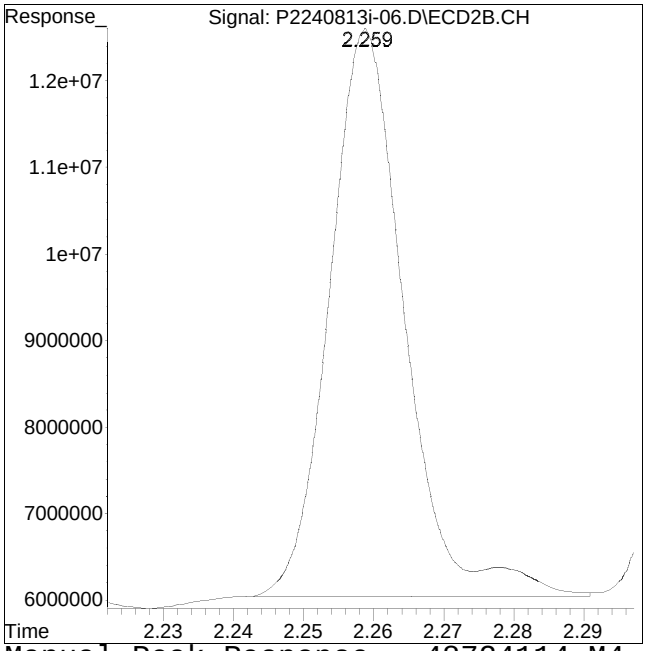
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #95: 1232-4 #2



Original Peak Response = 60639328



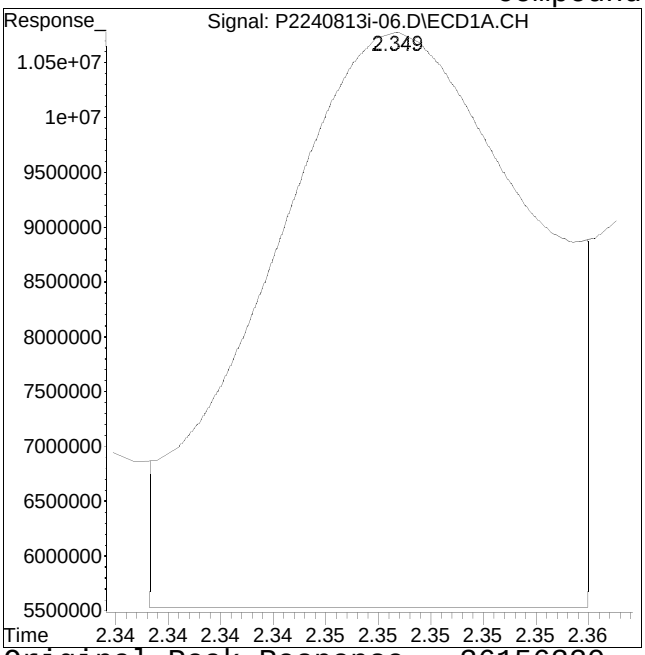
Manual Peak Response = 48724114 M4

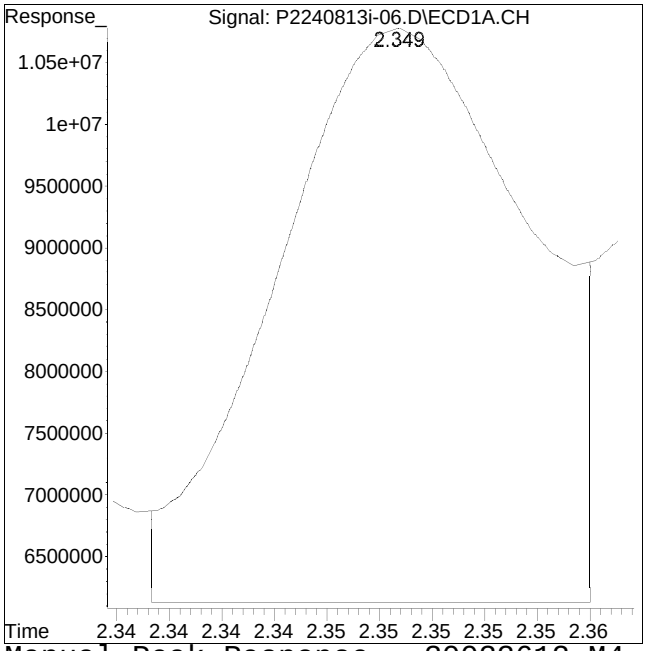
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #45: 1232-5



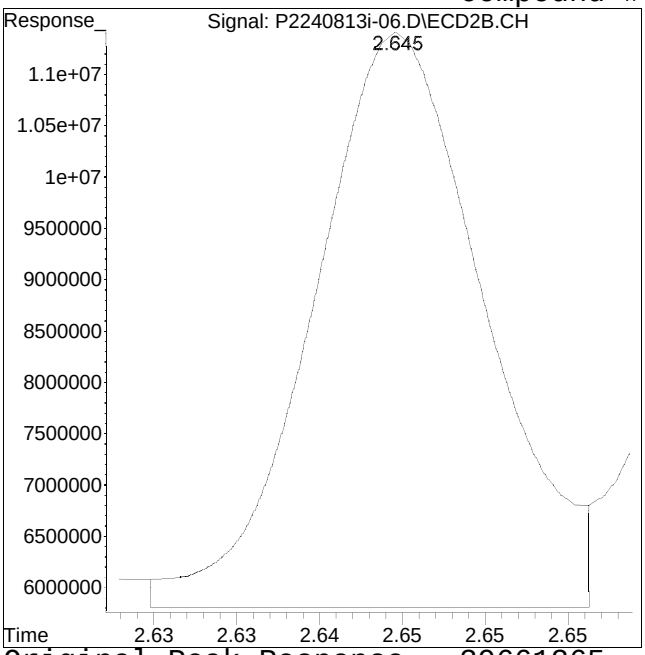


Original Peak Response = 36156330 Manual Peak Response = 30033612 M4
M4 = Poor automated baseline construction.

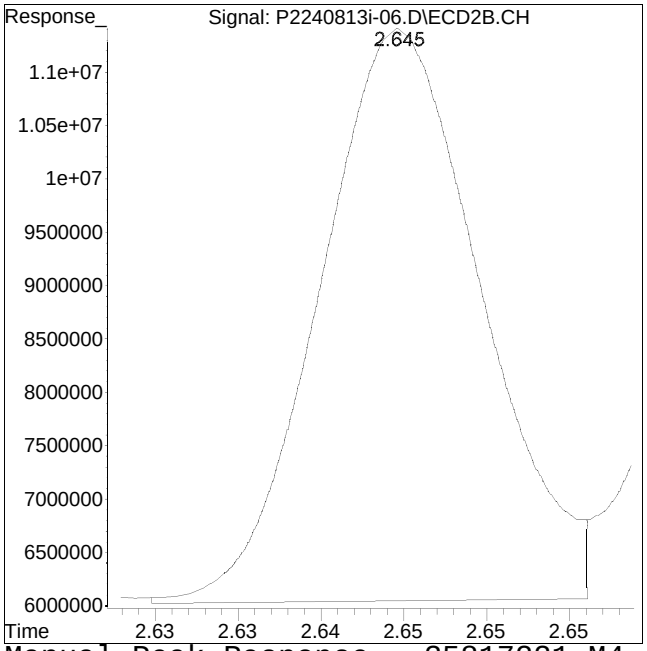
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #96: 1232-5 #2



Original Peak Response = 39661265



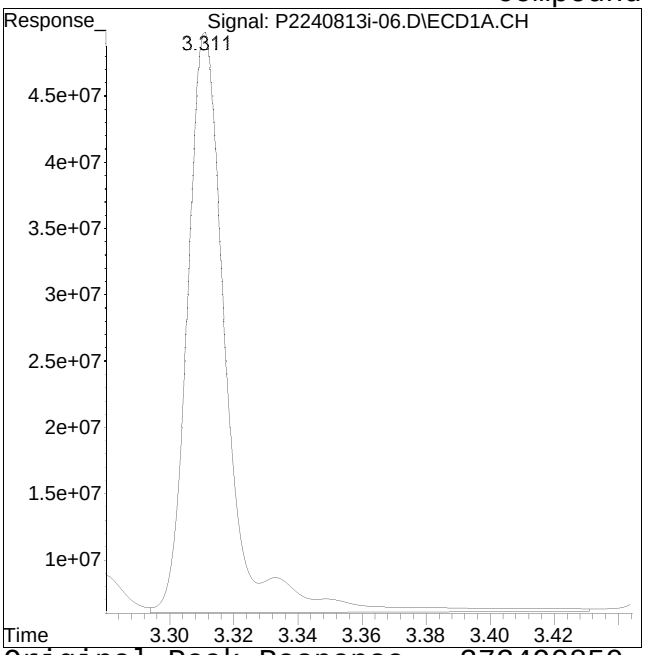
Manual Peak Response = 35817221 M4

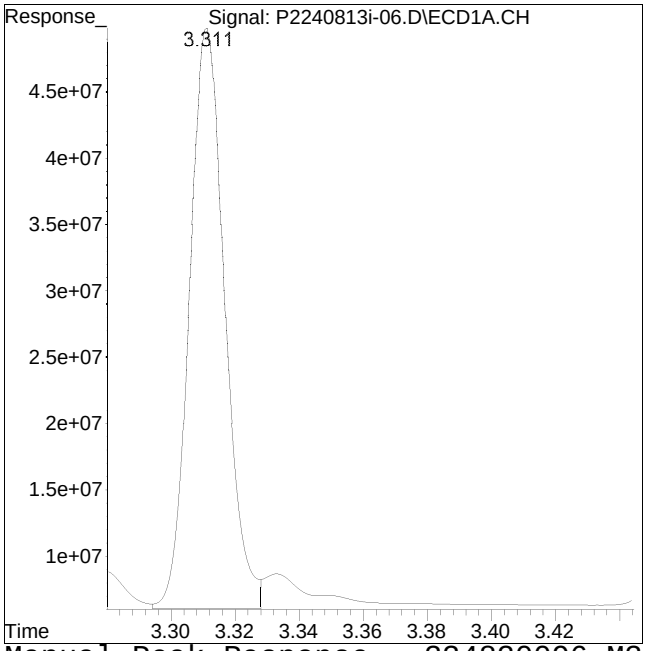
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #49: 1262-4





Original Peak Response = 373490850 Manual Peak Response = 334830096 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.191	1.256	187.4E6	217.6E6	25.000M4	25.000M4
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.935	2.191	111.7E6	128.4E6	245.149M3	245.716M1
36) l7	1248-2	2.072	2.345	145.5E6	89478328	241.163M3	249.345
37) l7	1248-3	2.168	2.471	130.1E6	110.0E6	248.143M4	249.345

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	2.350	2.646	108.1E6	122.1E6	232.432M3	249.345
39) l7	1248-5	2.363	2.669	96843211	137.7E6	261.746M3	249.345
Sum	1248-1			592.3E6	587.6E6	N.D.	N.D. D
Average	1248-1					245.727	248.619
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

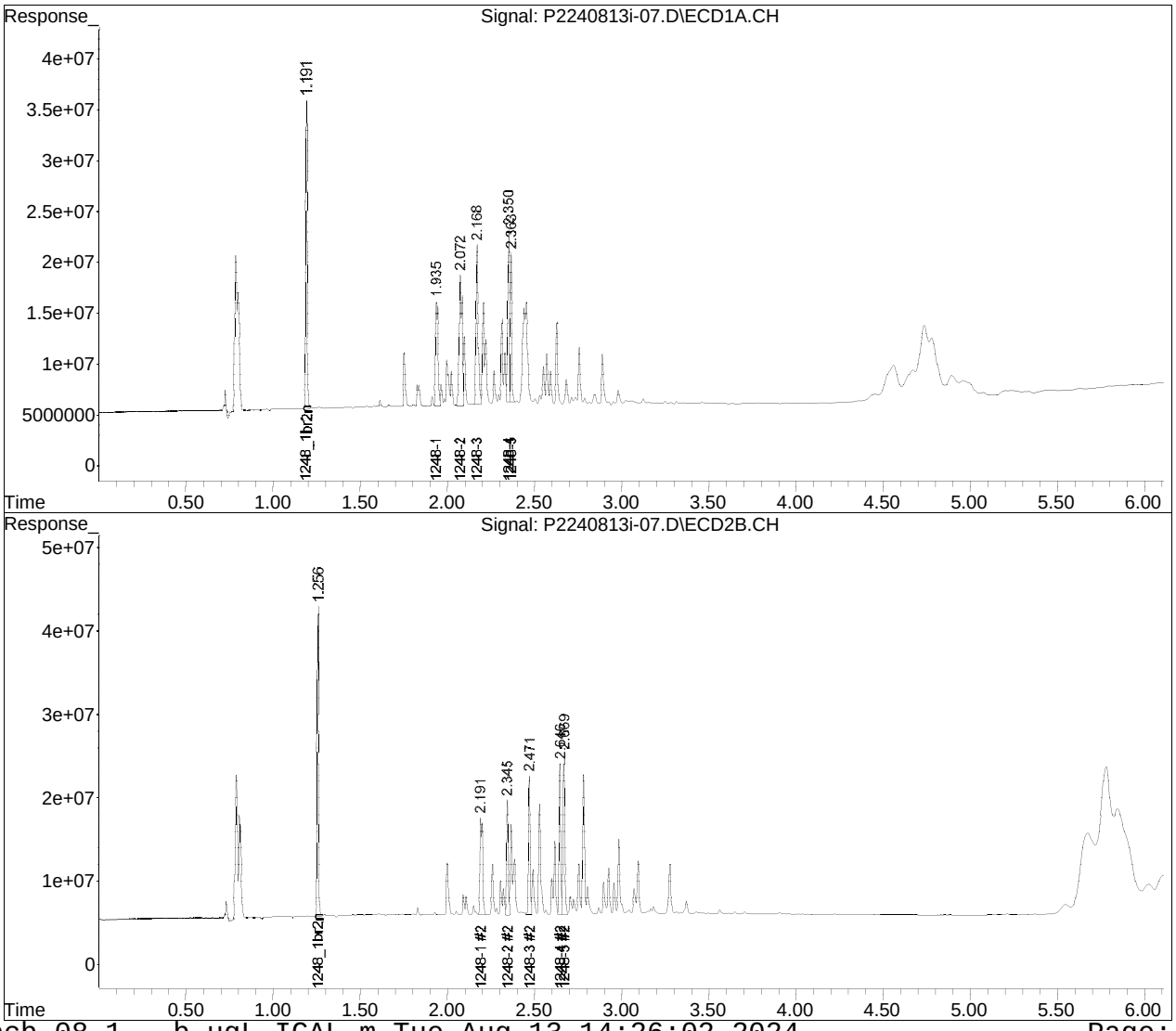
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

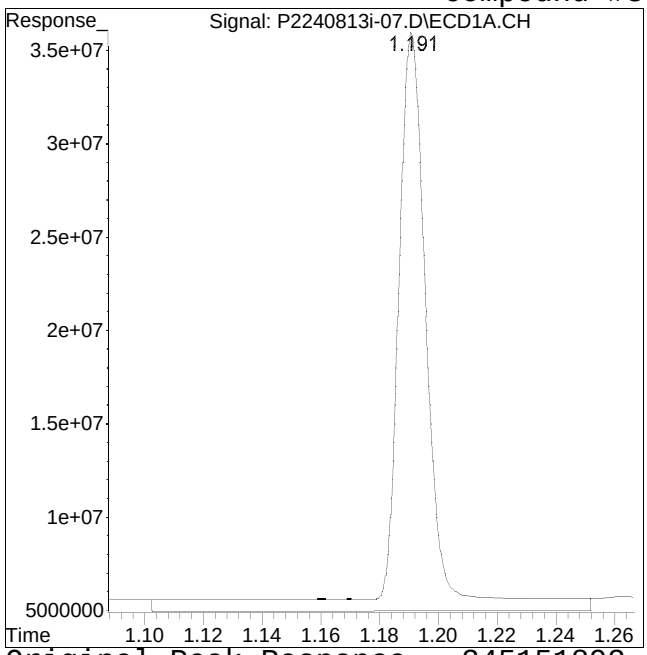
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

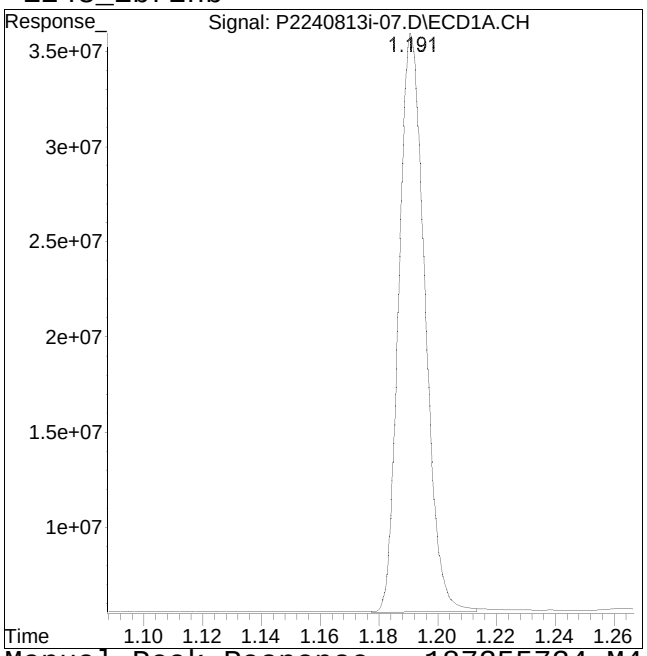


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #34: 1248_1br2nb



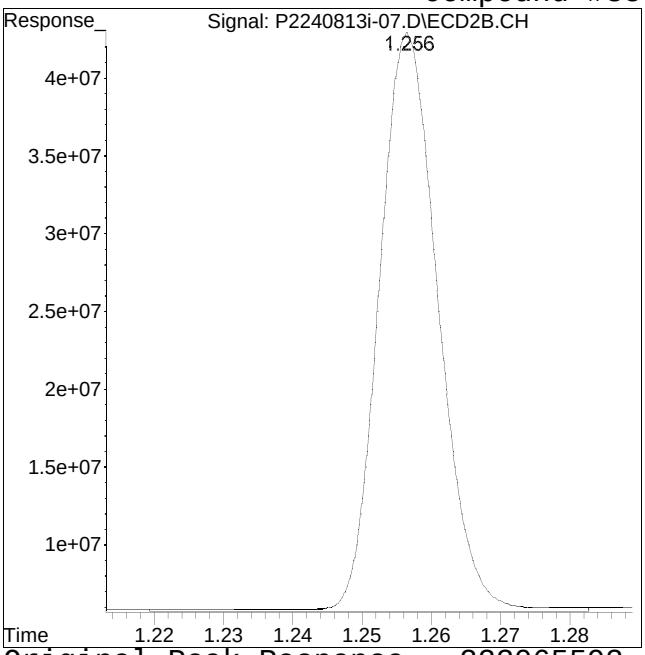


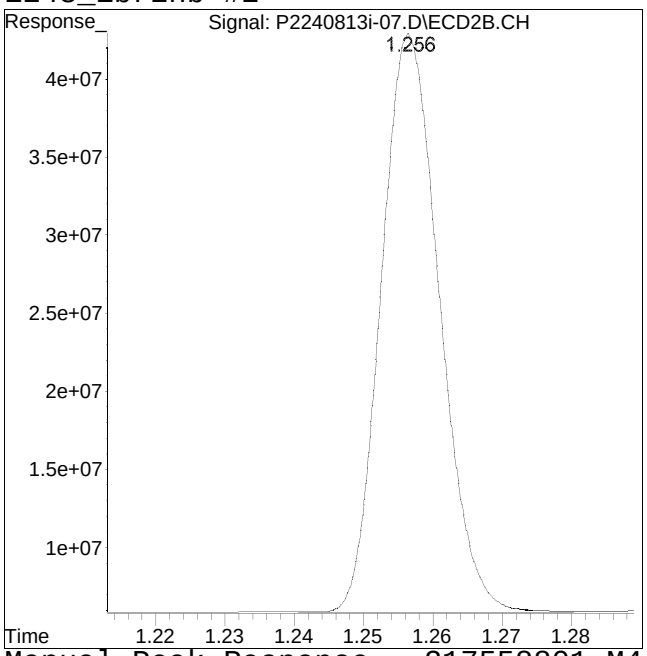
Original Peak Response = 245151892 Manual Peak Response = 187355734 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #85: 1248_1br2nb #2



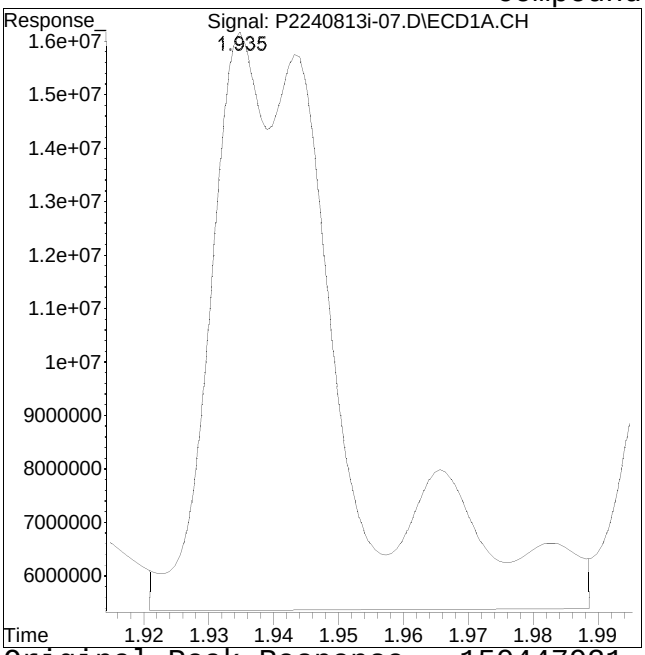


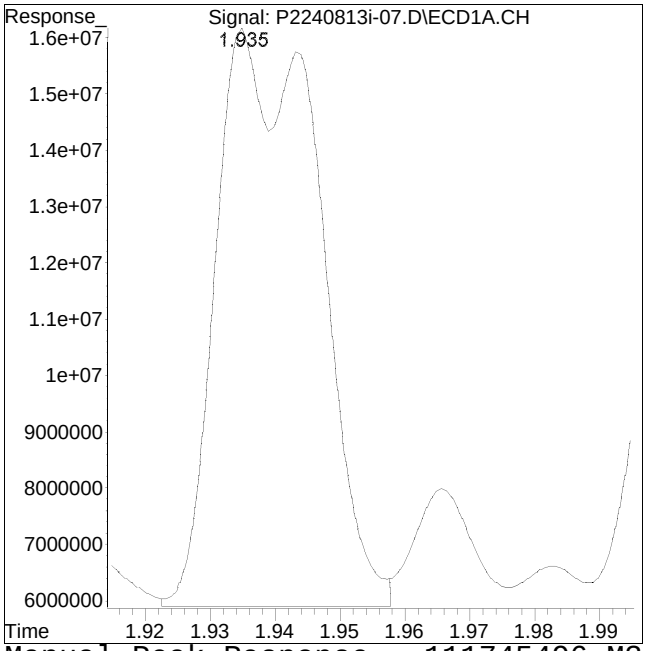
Original Peak Response = 223065593 Manual Peak Response = 217558801 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #35: 1248-1



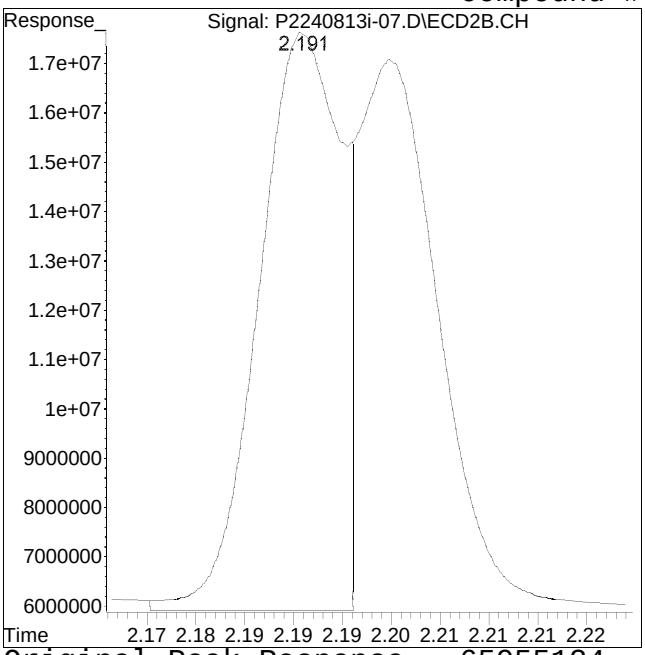


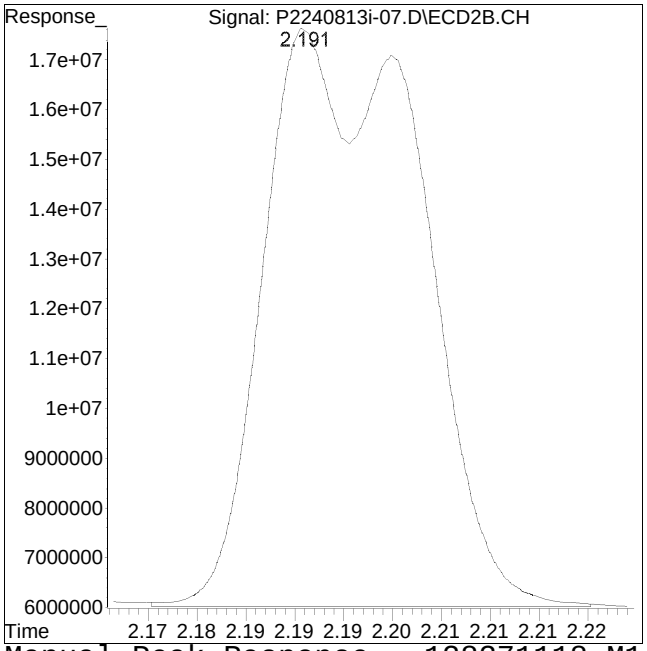
Original Peak Response = 150447921 Manual Peak Response = 111745496 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #86: 1248-1 #2



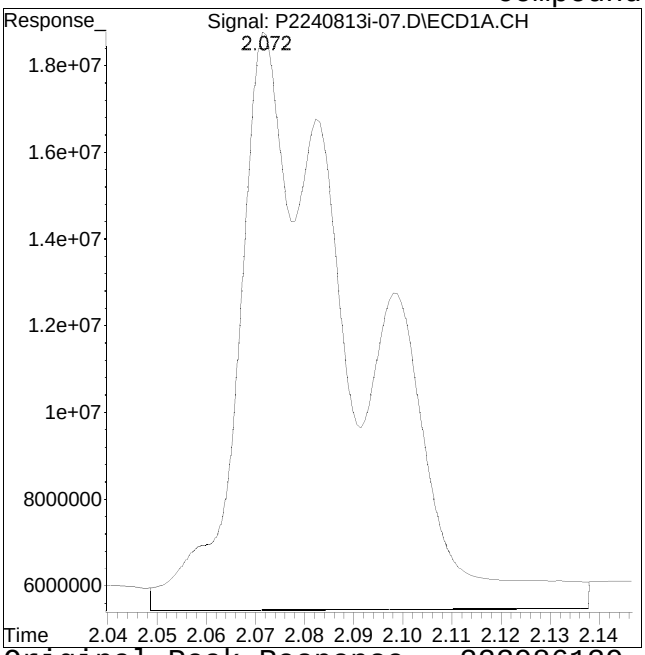


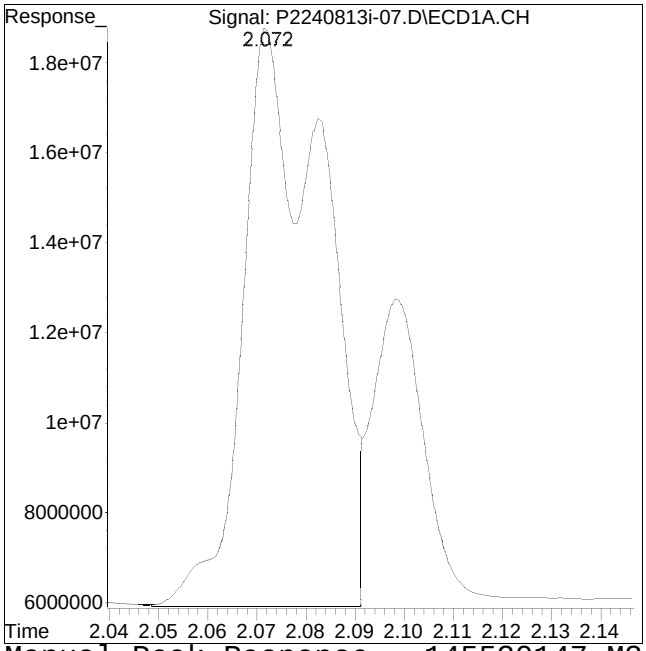
Original Peak Response = 65955124 Manual Peak Response = 128371118 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #36: 1248-2



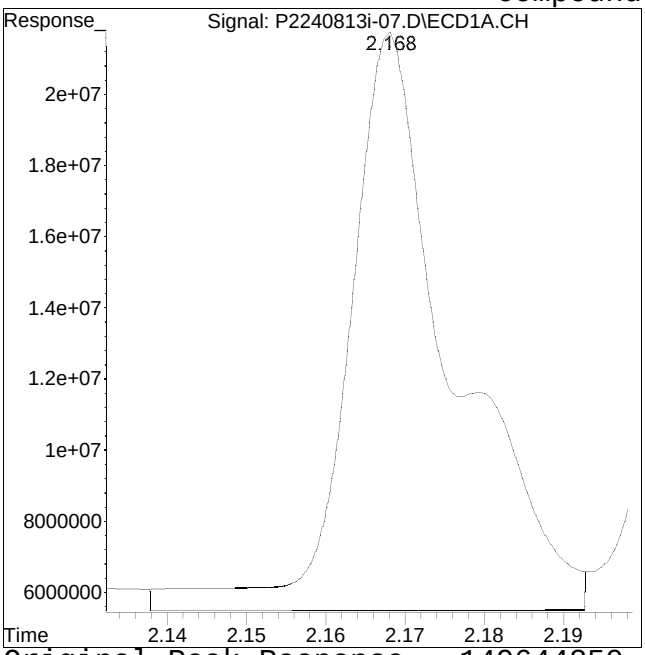


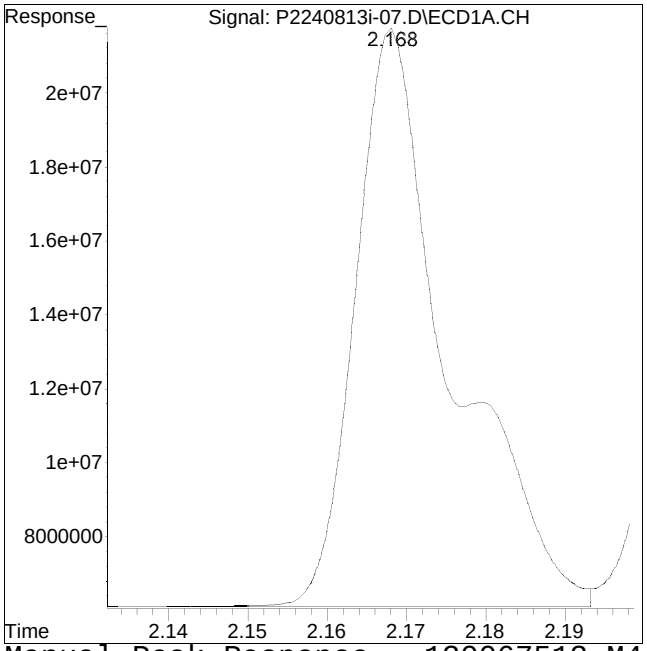
Original Peak Response = 223986139 Manual Peak Response = 145530147 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #37: 1248-3



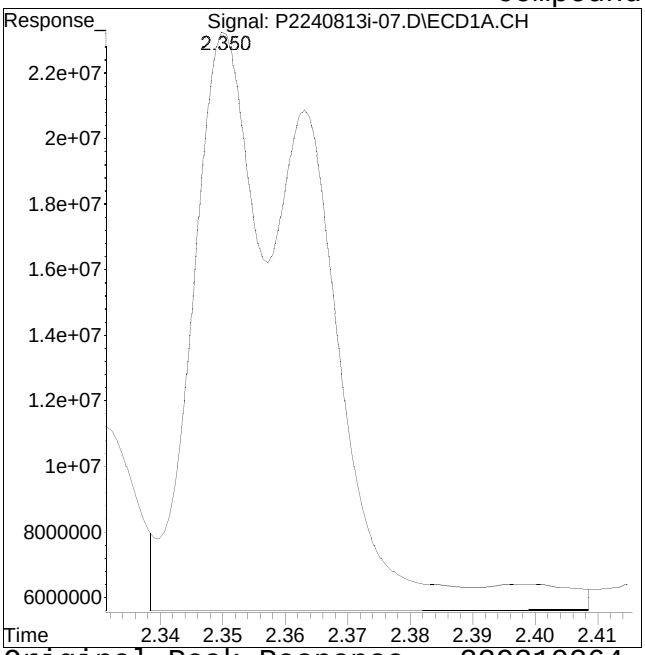


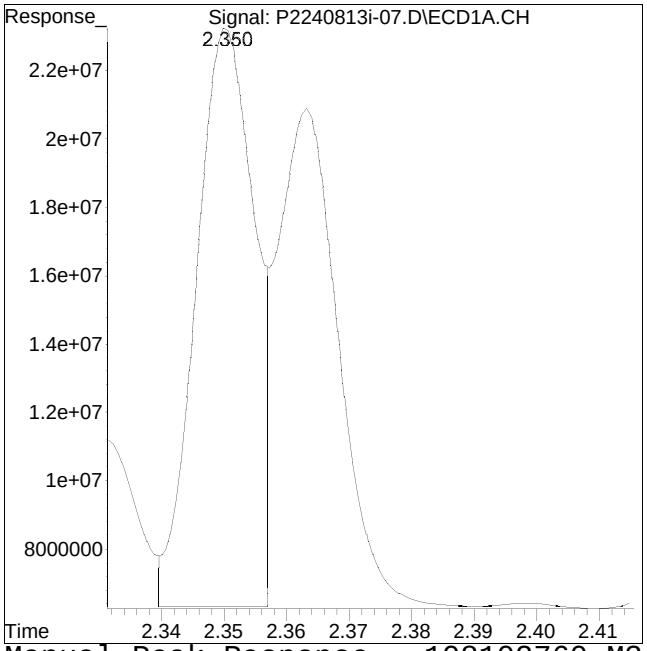
Original Peak Response = 149644250 Manual Peak Response = 130067513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #38: 1248-4



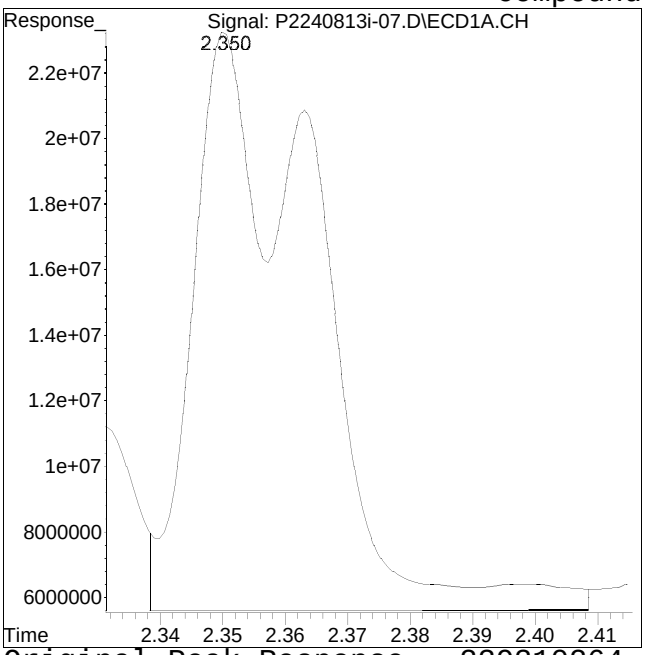


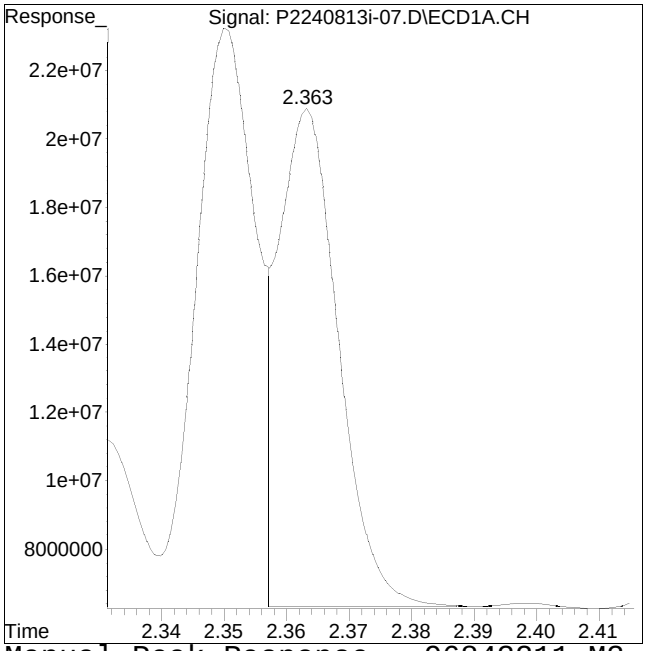
Original Peak Response = 239310264 Manual Peak Response = 108102760 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #39: 1248-5





Original Peak Response = 239310264 Manual Peak Response = 96843211 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.191	1.256	190.7E6	226.4E6	25.000M4	25.000M4
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.536	1.741	31994452	39844086	250.678	250.819
16) l3	1221-3	1.595	1.801	19542531	24548511	249.593M3	250.819

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	1.611	1.827	77331473	84170854	254.348M3	250.819
Sum	1221-2			128.9E6	148.6E6	754.619	752.458
Average	1221-2					251.540	250.819
18) l4	1254-1	2.329	2.666	103.2E6	129.3E6	249.460M3	250.819
19) l4	1254-2	2.442	2.753	184.3E6	151.3E6	249.275M3	250.819
20) l4	1254-3	2.626	2.983	205.9E6	226.0E6	250.678	250.819
21) l4	1254-4	2.756	3.094	143.3E6	152.8E6	250.678	250.819
22) l4	1254-5	2.978	3.370	198.5E6	217.8E6	250.678	250.819
Sum	1254-1			835.3E6	877.2E6	N.D.	N.D. D
Average	1254-1					250.154	250.819
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

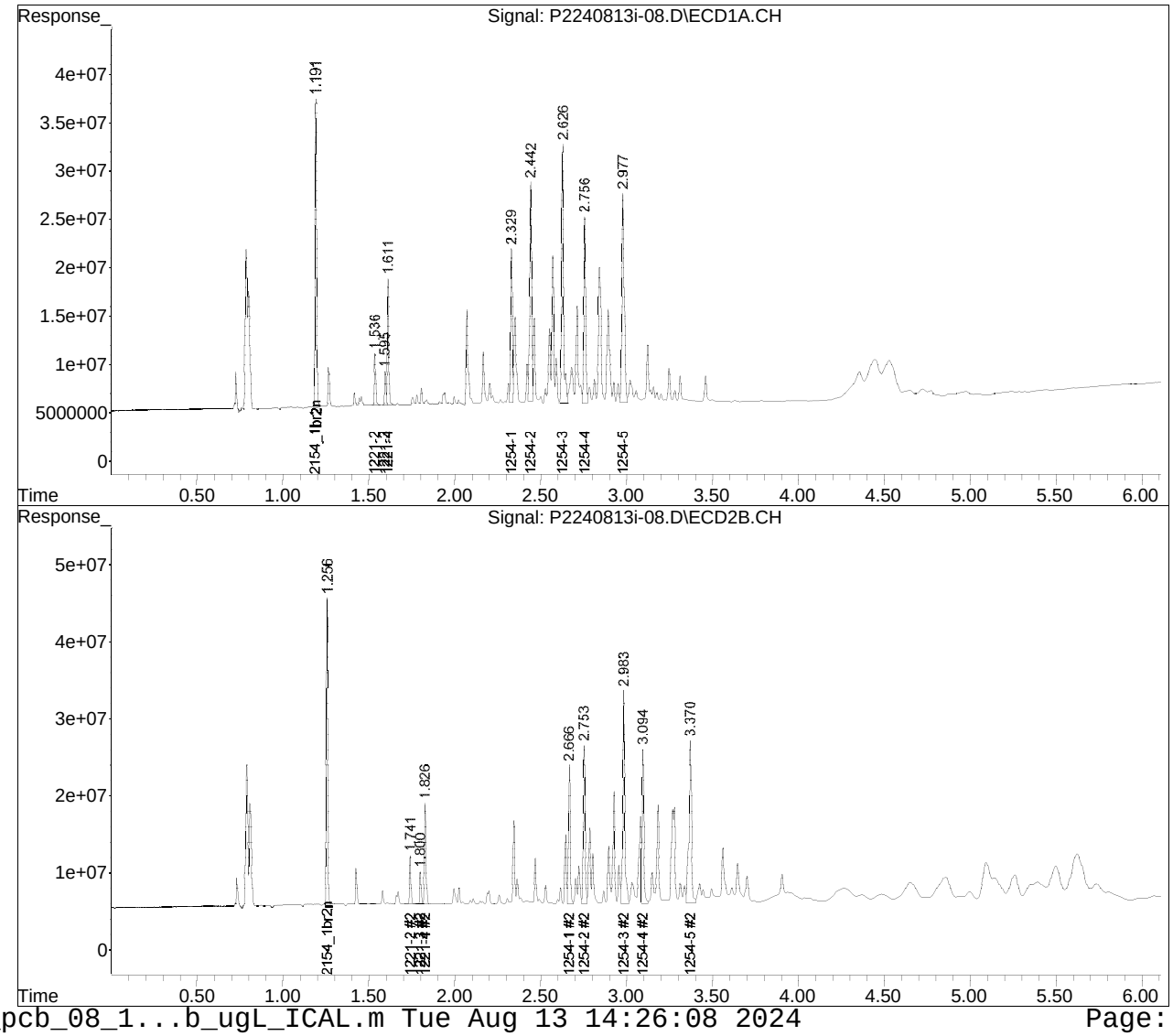
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

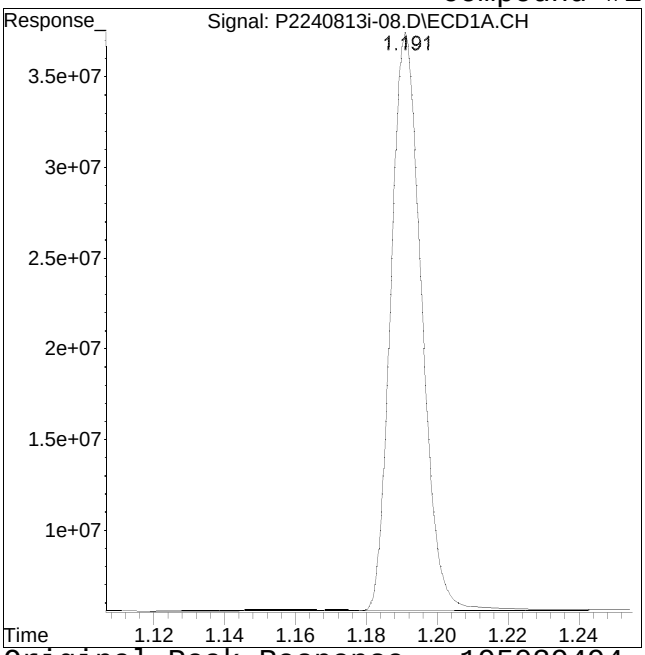
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

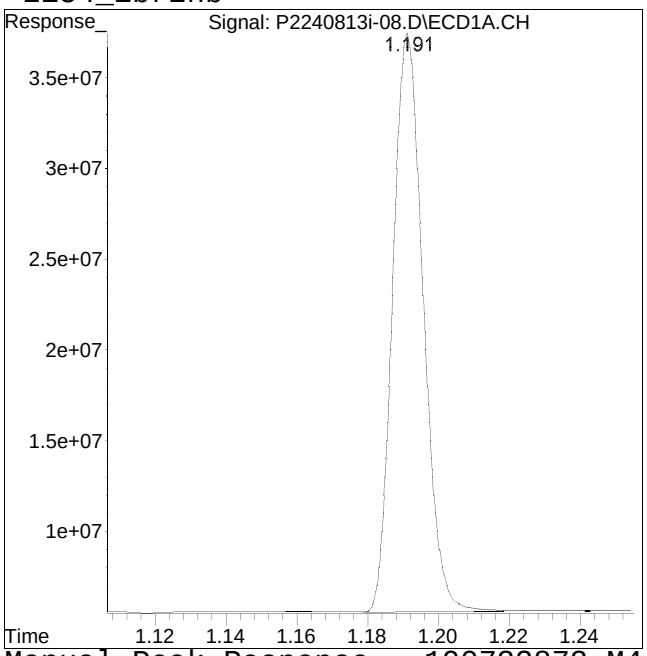


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #14: 2154_1br2nb



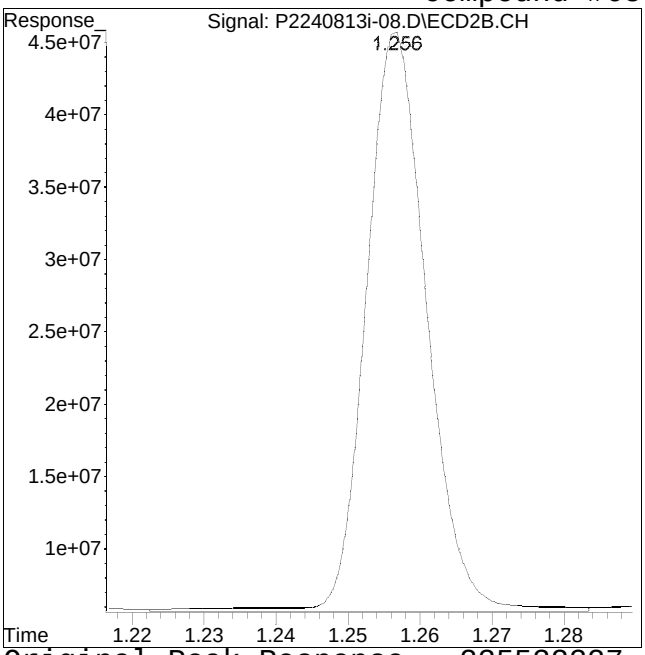


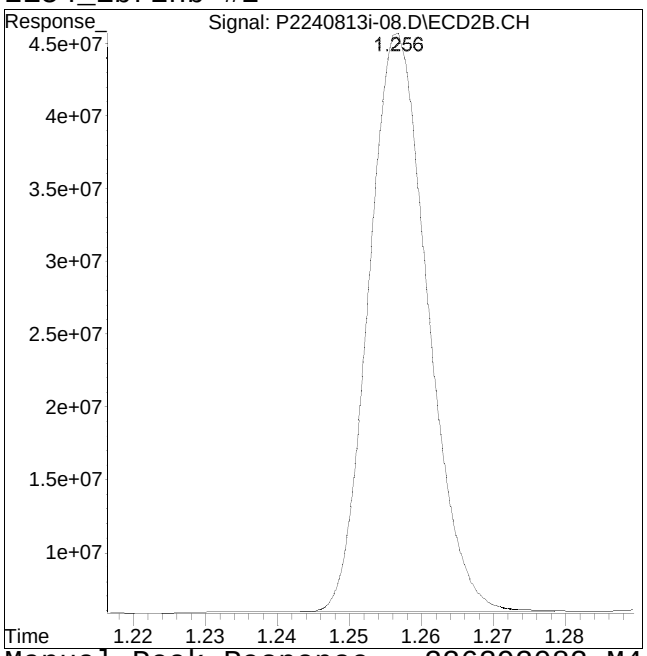
Original Peak Response = 195039494 Manual Peak Response = 190733872 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #65: 2154_1br2nb #2



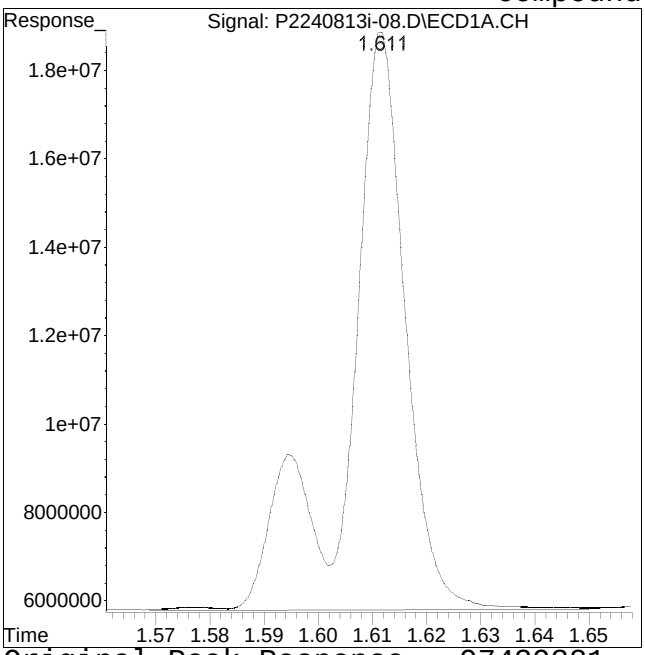


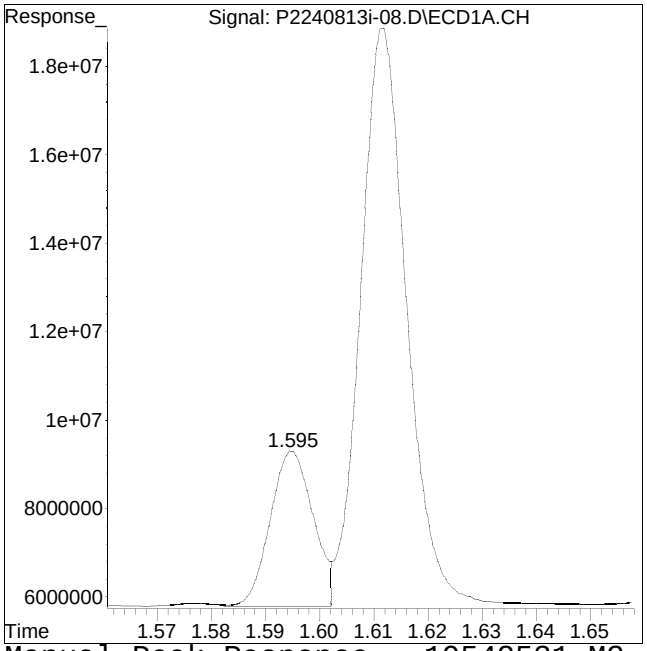
Original Peak Response = 235532327 Manual Peak Response = 226393082 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #16: 1221-3



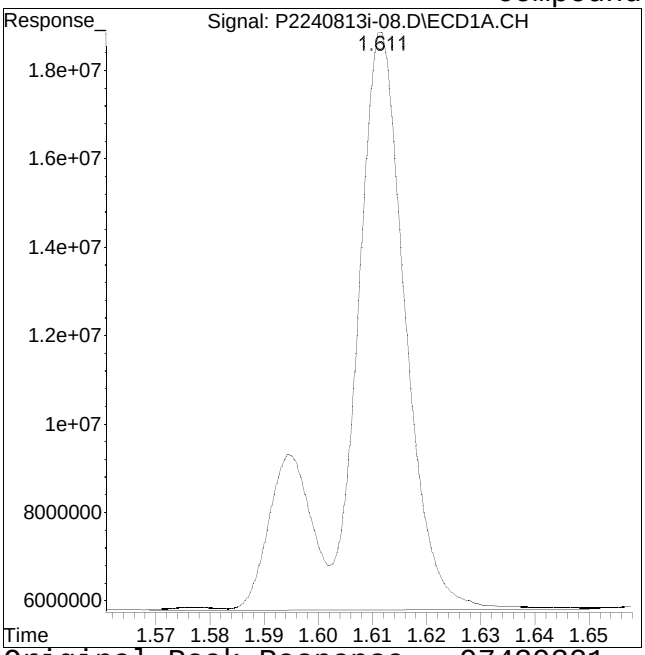


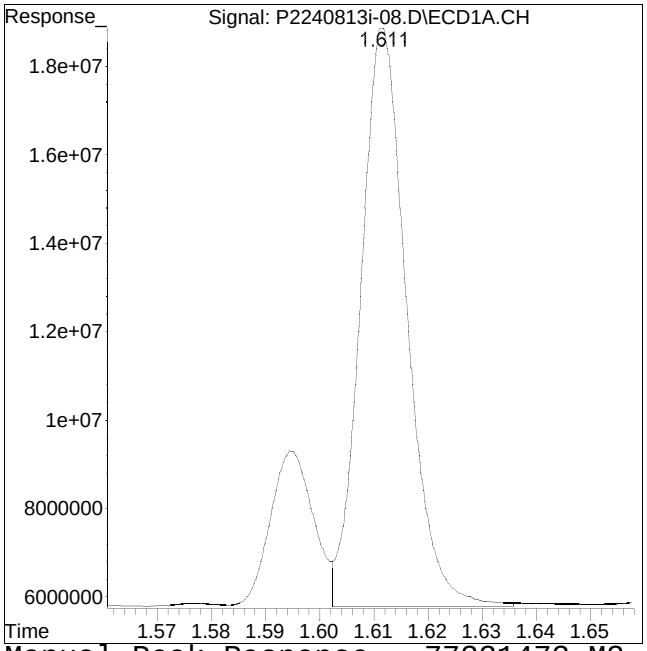
Original Peak Response = 97439321 Manual Peak Response = 19542531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #17: 1221-4



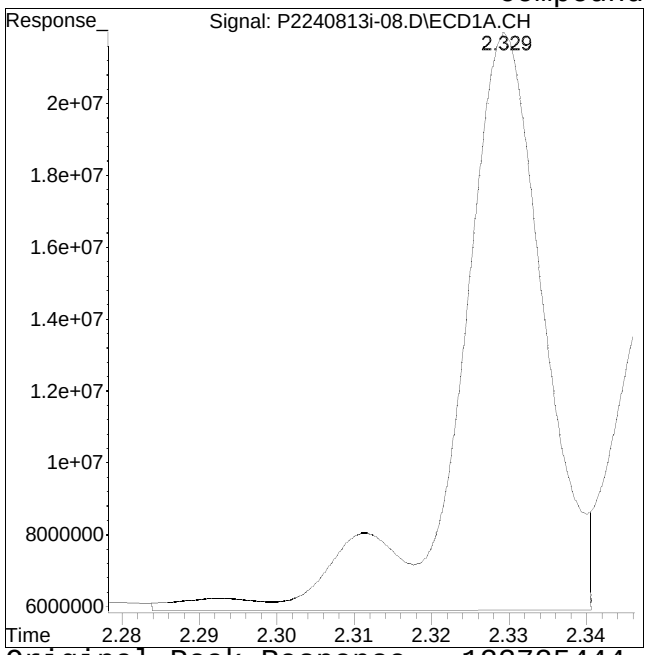


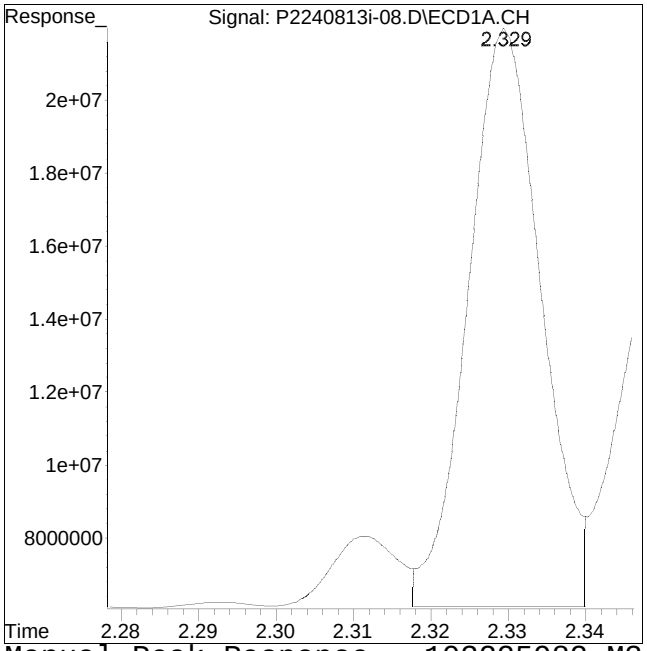
Original Peak Response = 97439321 Manual Peak Response = 77331473 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #18: 1254-1



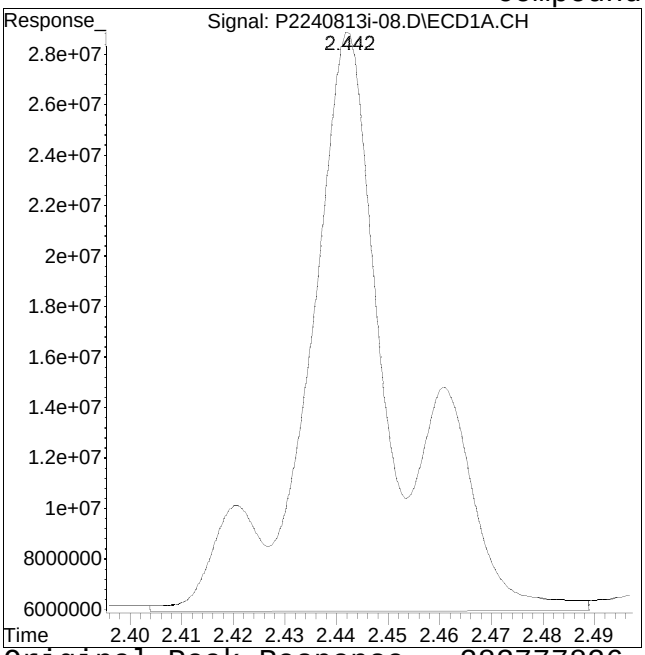


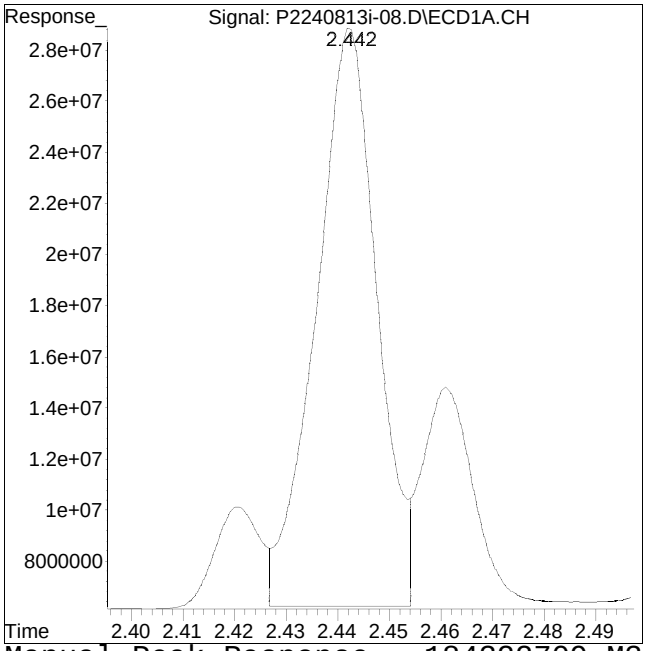
Original Peak Response = 123725444 Manual Peak Response = 103225982 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #19: 1254-2





Original Peak Response = 283777826 Manual Peak Response = 184322709 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.257	197.5E6	232.8E6	25.000M4	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	3287110	3668619	0.259M4	0.256M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		1.29%#	1.28%#
3) s	Decachlorobi	4.044	4.553	4781157	4998790	0.502M4	0.526M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		2.51%#	2.63%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	995619	1228273	4.253M4	4.502M4
5) l1	1016-2	1.757	1.998	1448916	2403268	2.922M4	4.111M4
6) l1	1016-3	1.942	2.199	4060087	5034285	4.093M4	4.446M4
7) l1	1016-4	1.997	2.259	1666502	2454997	3.874M4	5.179M4
8) l1	1016-5	2.167	2.469	2354760	1528174	5.124M4	4.324M4
	Sum 1016-1			10525884	12648998	20.267	22.563
	Average 1016-1					4.053	4.513
9) l2	1260-1	2.710	3.080	2641142	2301560	4.028M4	3.413M4
10) l2	1260-2	2.841	3.181	3619026	3698186	3.887M4	4.410M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.573	2058421	2838722	3.362M4	4.147M4
12) l2	1260-4	3.312	3.703	4470228	5845755	3.720M4	4.386M4
13) l2	1260-5	3.460	3.905	3646851	4617264	4.121M4	4.749M4
Sum	1260-1			16435667	19301486	NoCal	NoCal D
Average	1260-1					3.823	4.221
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

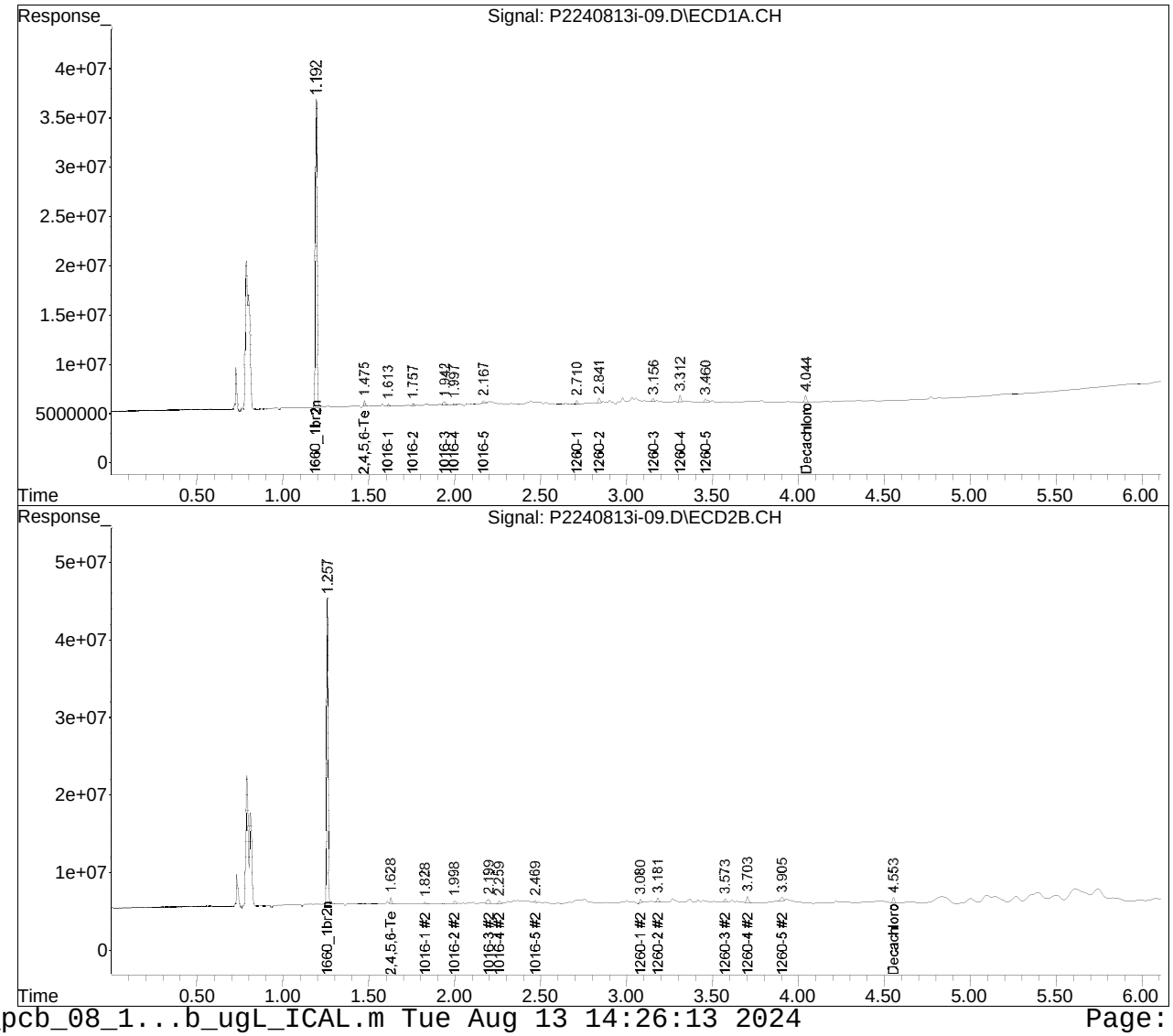
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

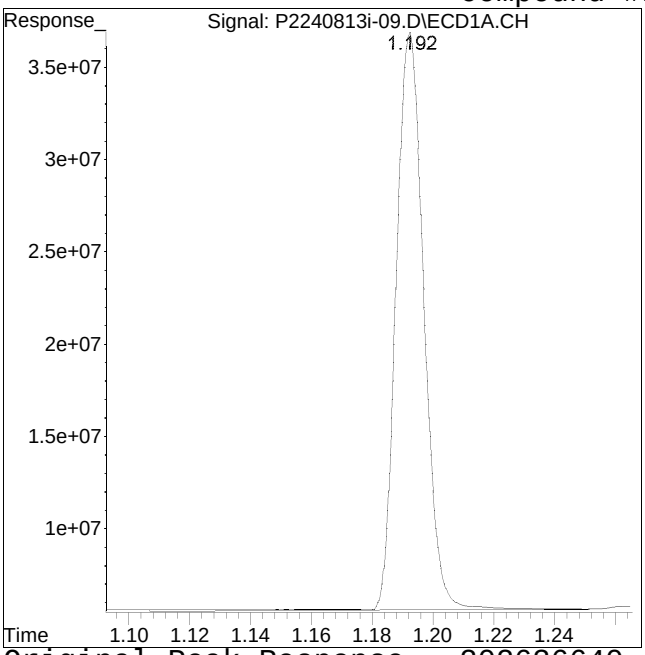
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

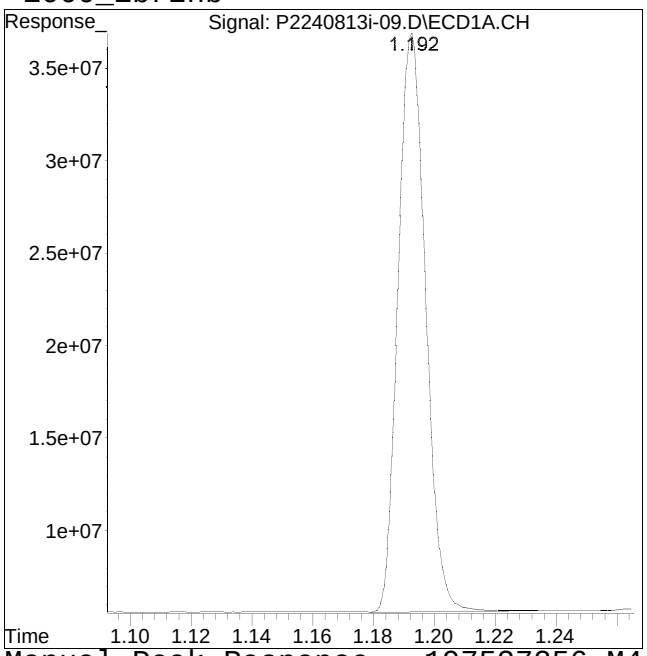


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #1: 1660_1br2nb



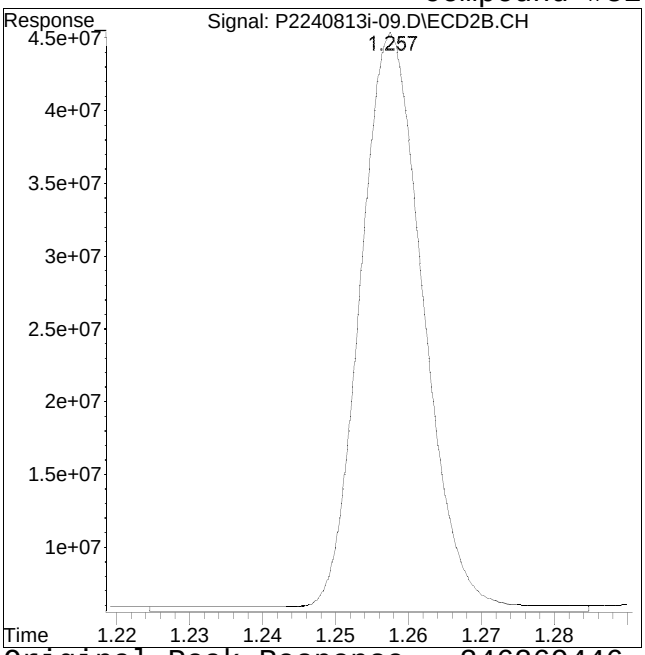


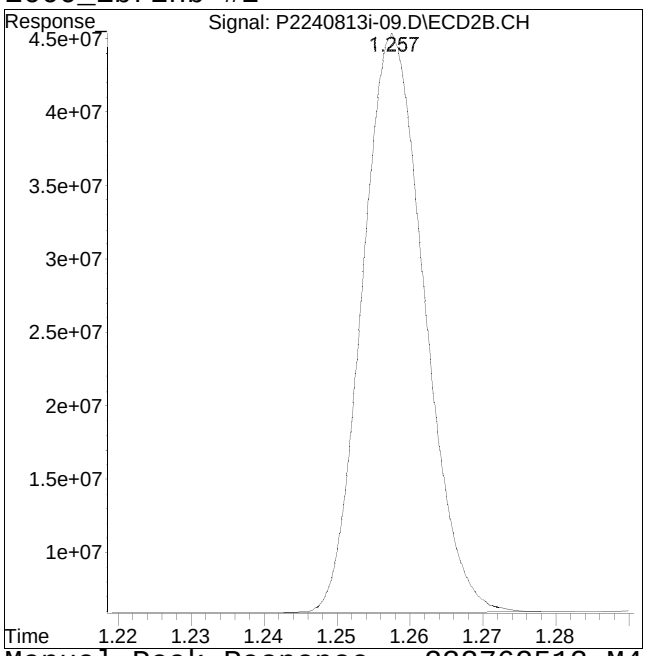
Original Peak Response = 202636640 Manual Peak Response = 197527256 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



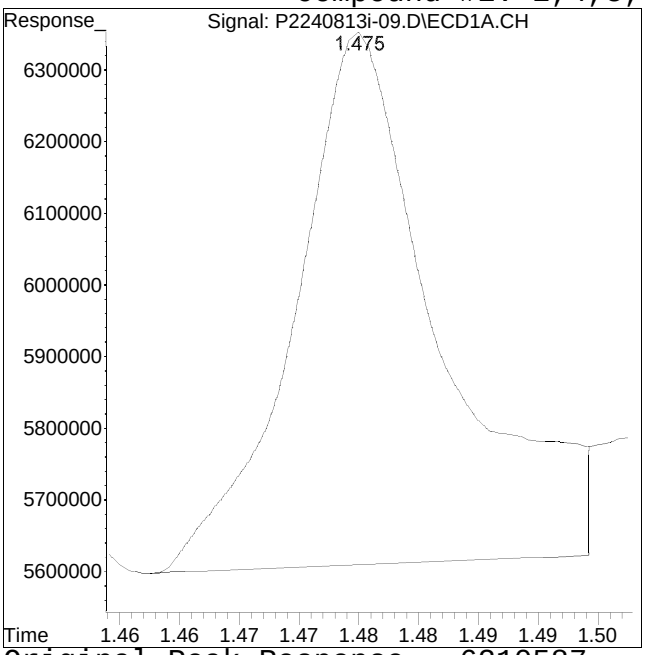


Original Peak Response = 246269446 Manual Peak Response = 232762512 M4
M4 = Poor automated baseline construction.

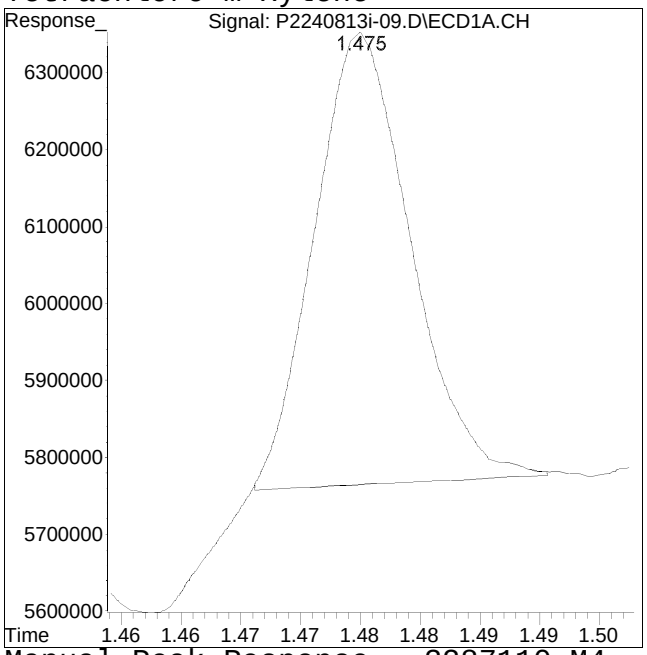
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 6210587



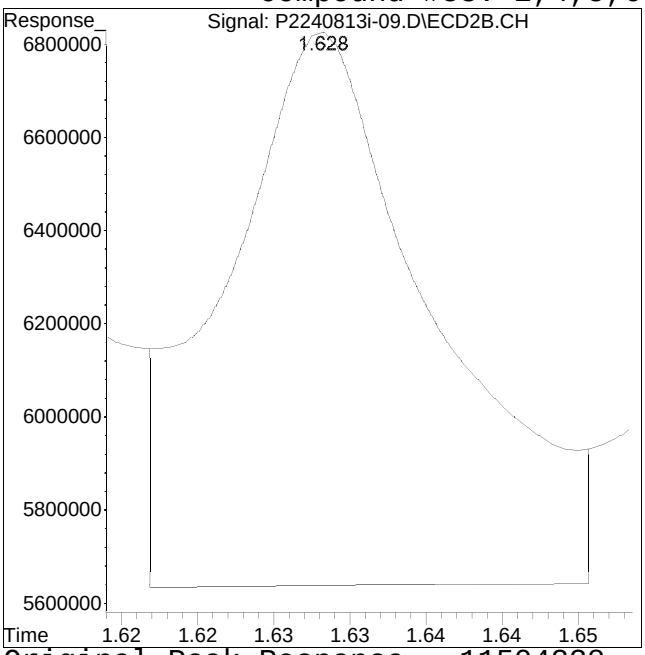
Manual Peak Response = 3287110 M4

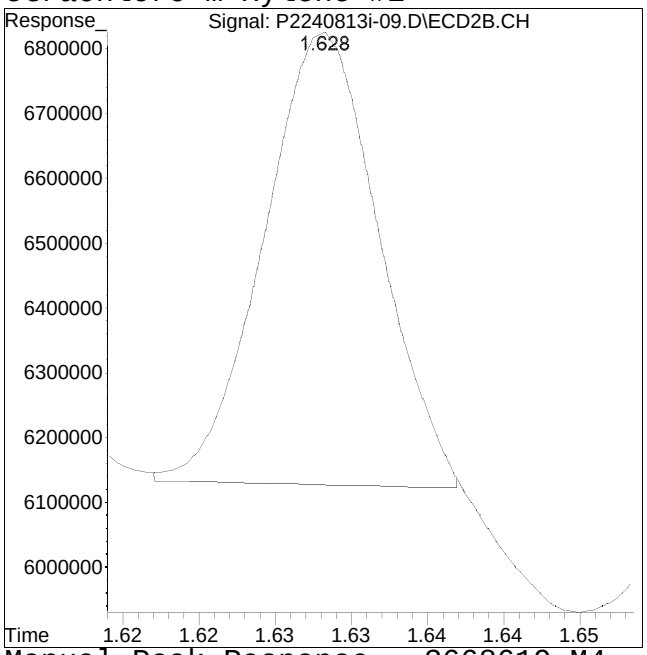
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



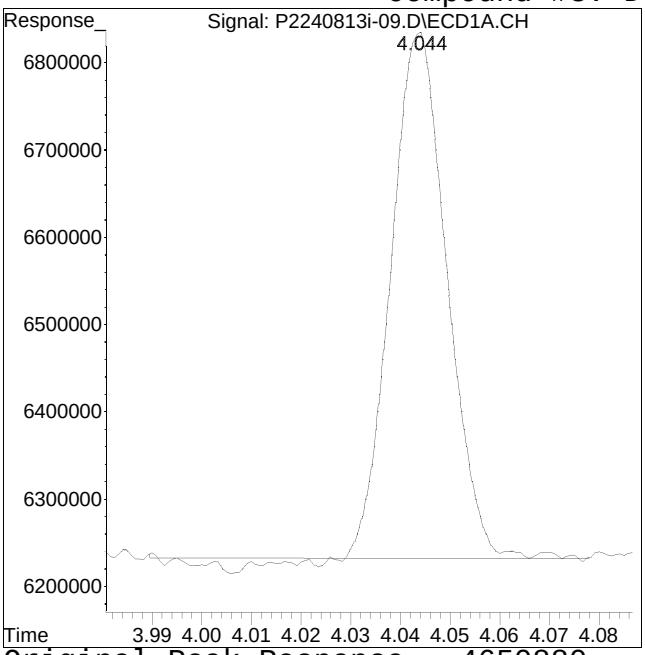


Original Peak Response = 11504238 Manual Peak Response = 3668619 M4
M4 = Poor automated baseline construction.

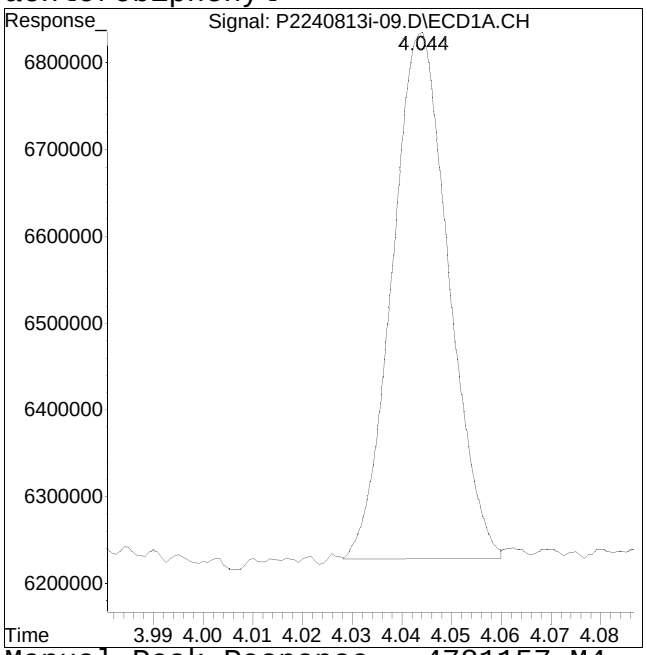
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 4650880



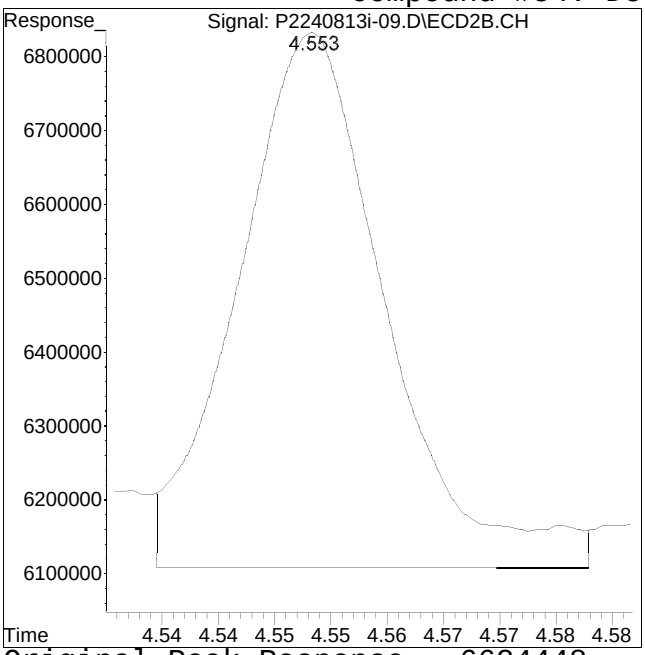
Manual Peak Response = 4781157 M4

M4 = Poor automated baseline construction.

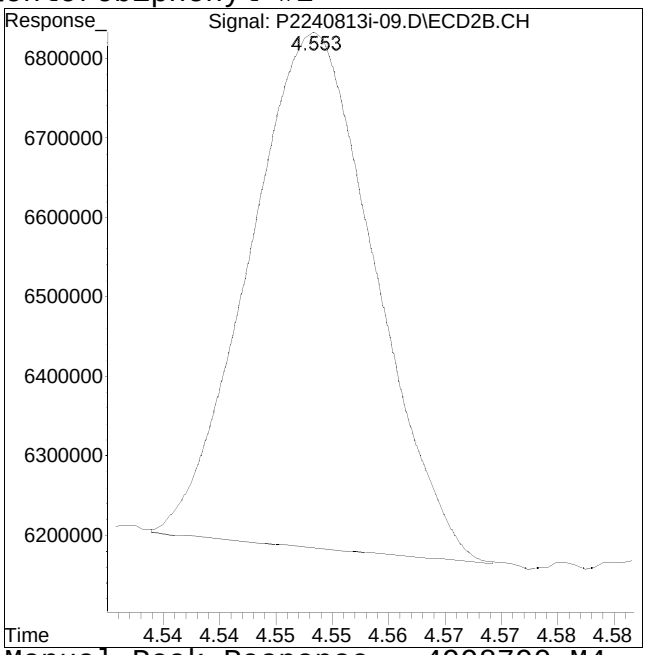
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 6624448



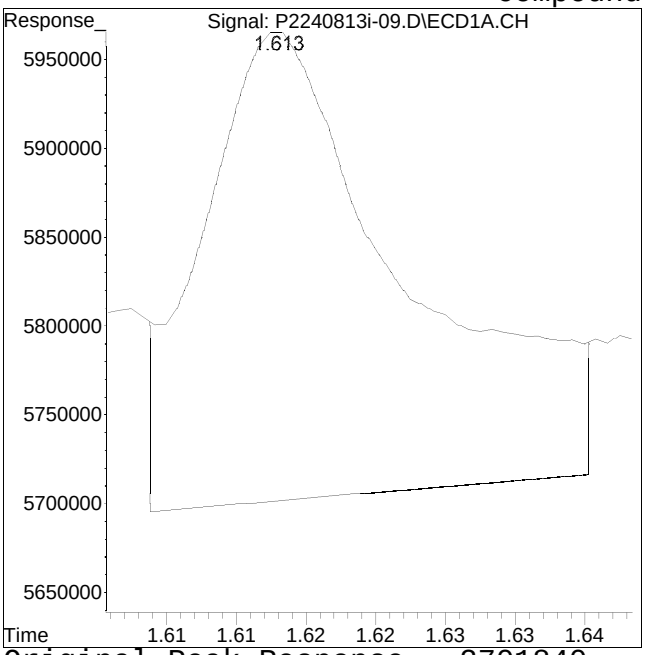
Manual Peak Response = 4998790 M4

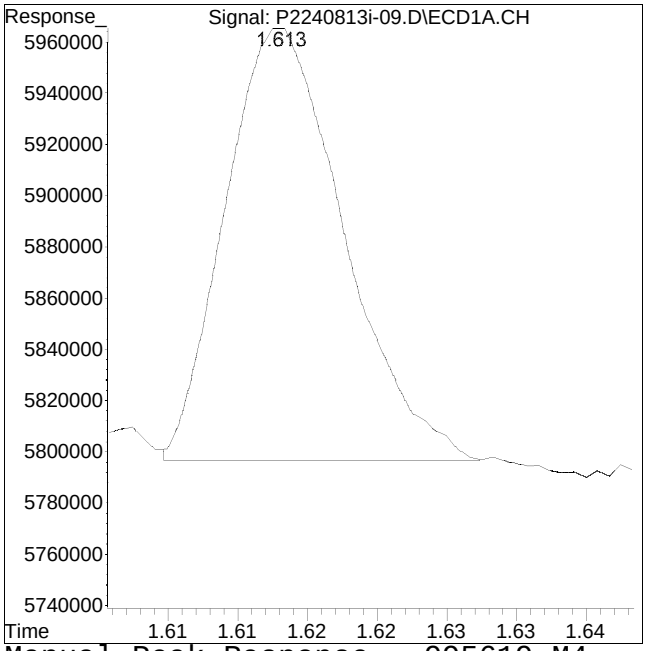
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



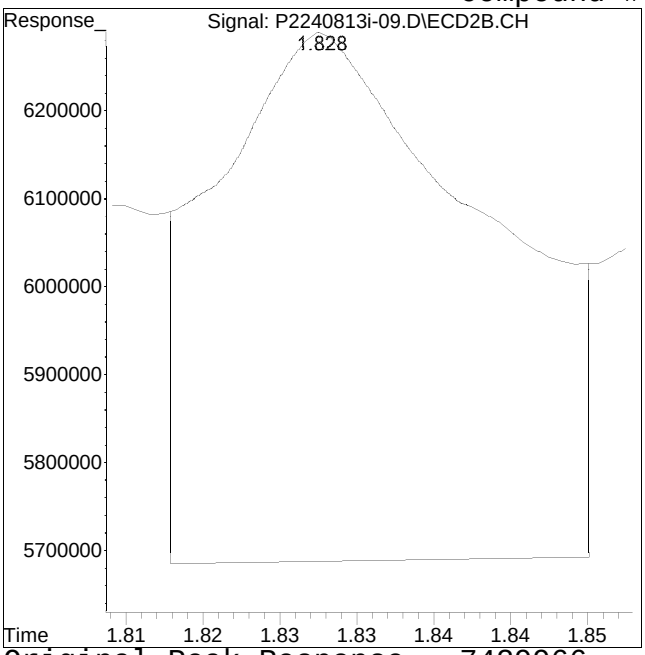


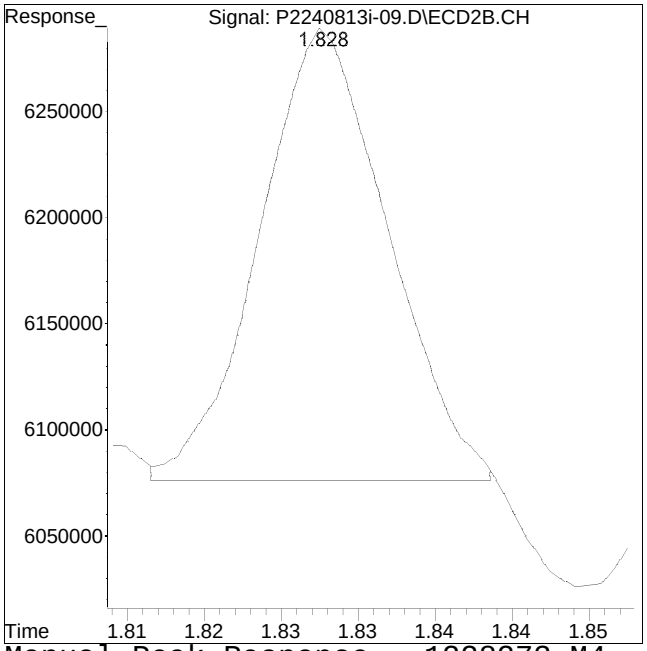
Original Peak Response = 2701840 Manual Peak Response = 995619 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



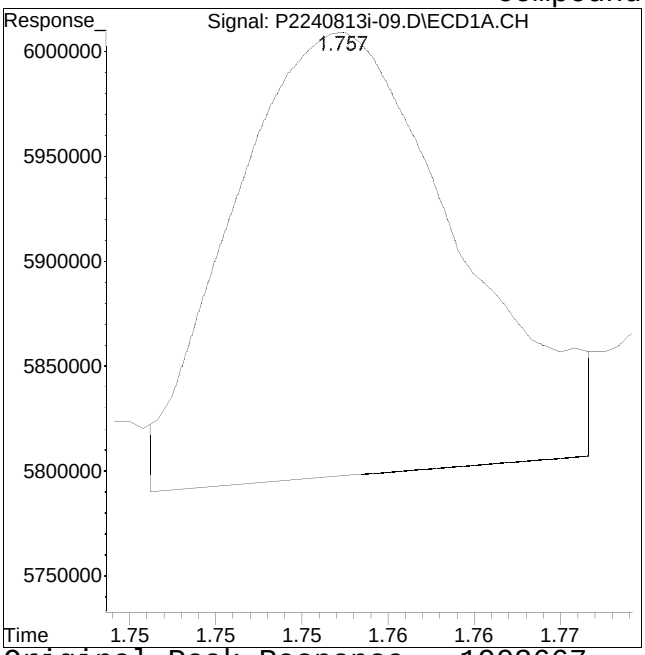


Original Peak Response = 7429966 Manual Peak Response = 1228273 M4
M4 = Poor automated baseline construction.

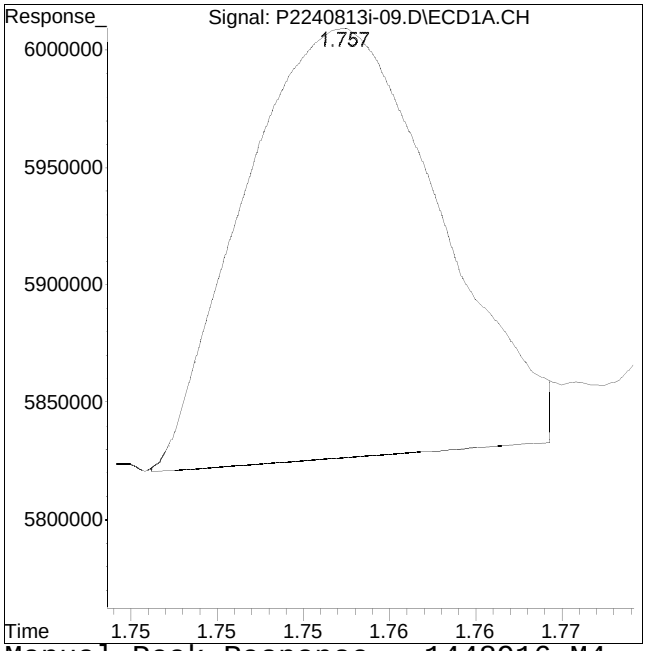
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



Original Peak Response = 1903667



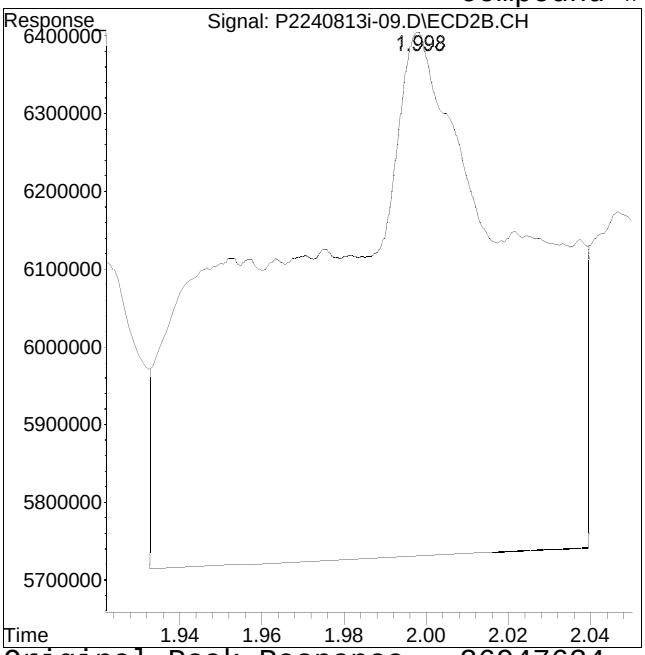
Manual Peak Response = 1448916 M4

M4 = Poor automated baseline construction.

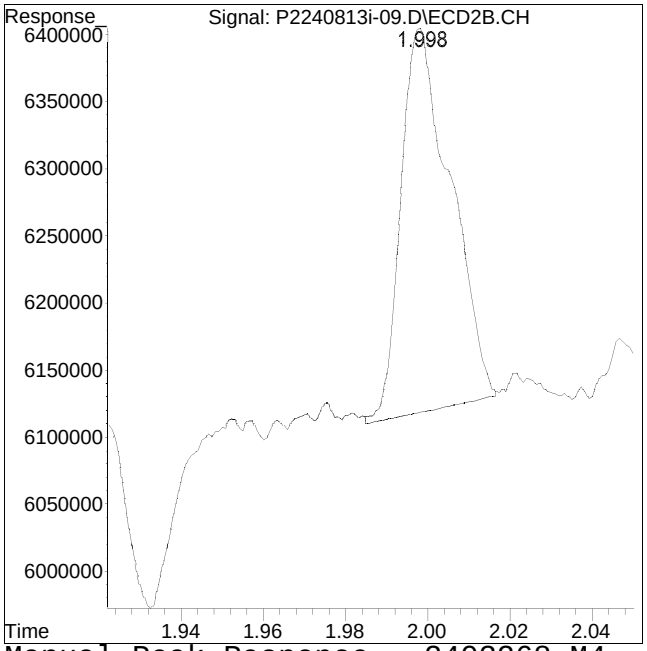
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



Original Peak Response = 26947634



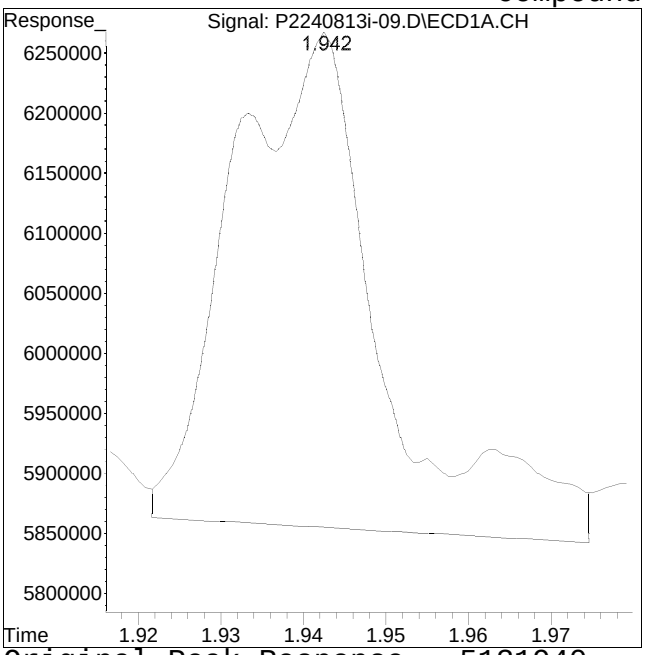
Manual Peak Response = 2403268 M4

M4 = Poor automated baseline construction.

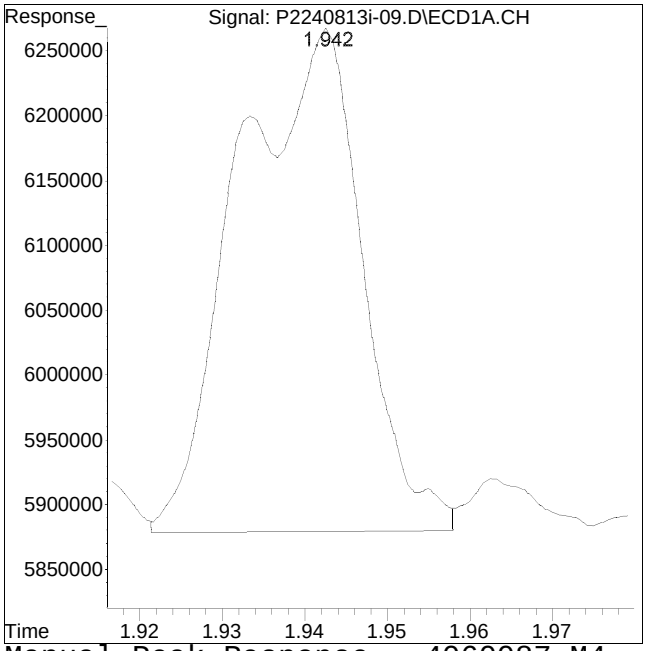
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



Original Peak Response = 5131940



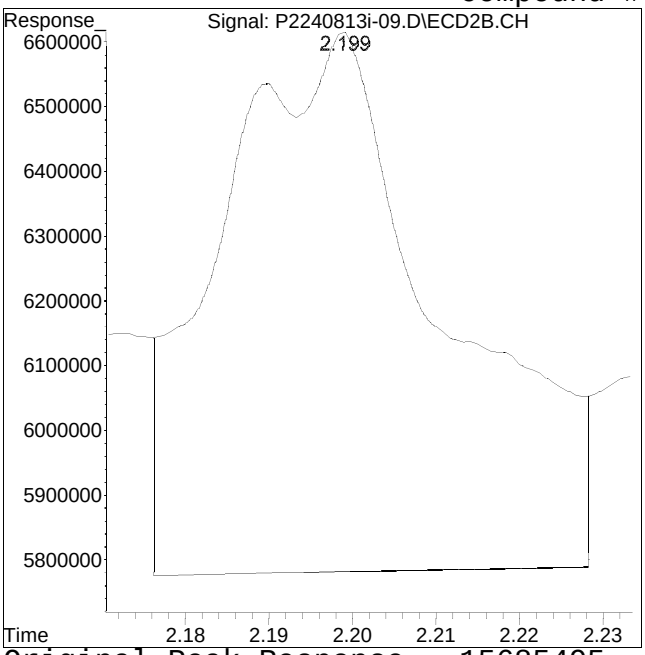
Manual Peak Response = 4060087 M4

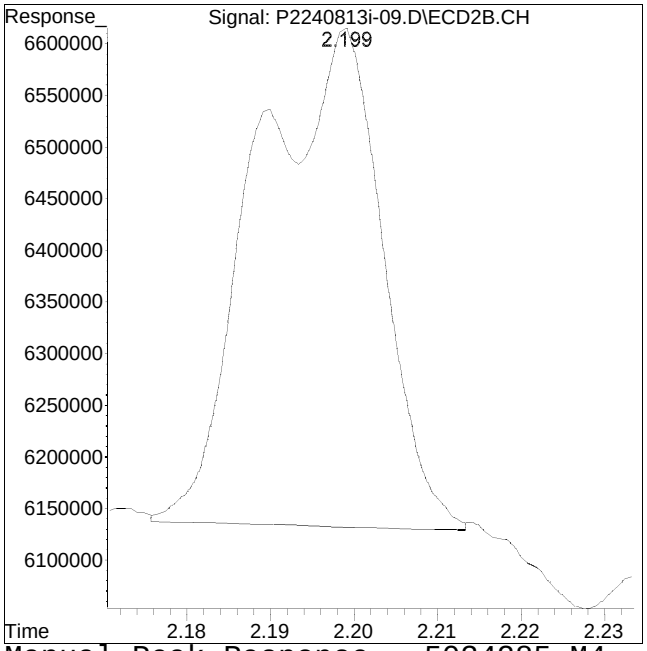
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



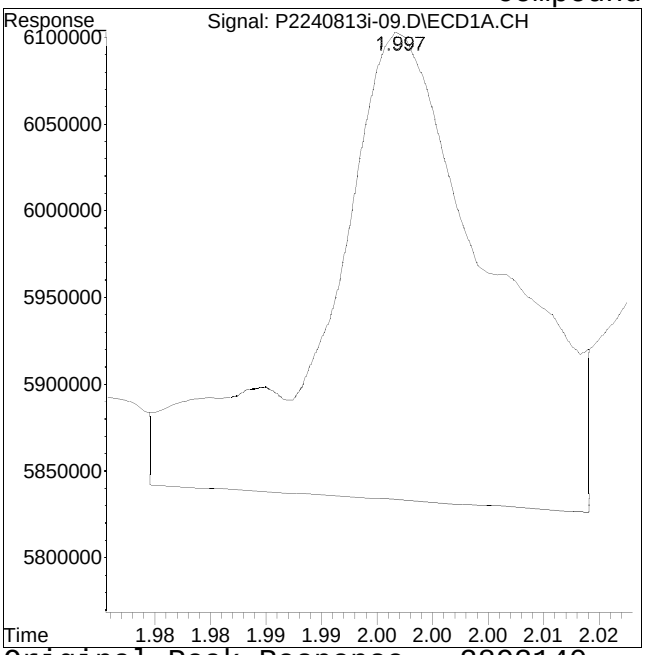


Original Peak Response = 15685495 Manual Peak Response = 5034285 M4
M4 = Poor automated baseline construction.

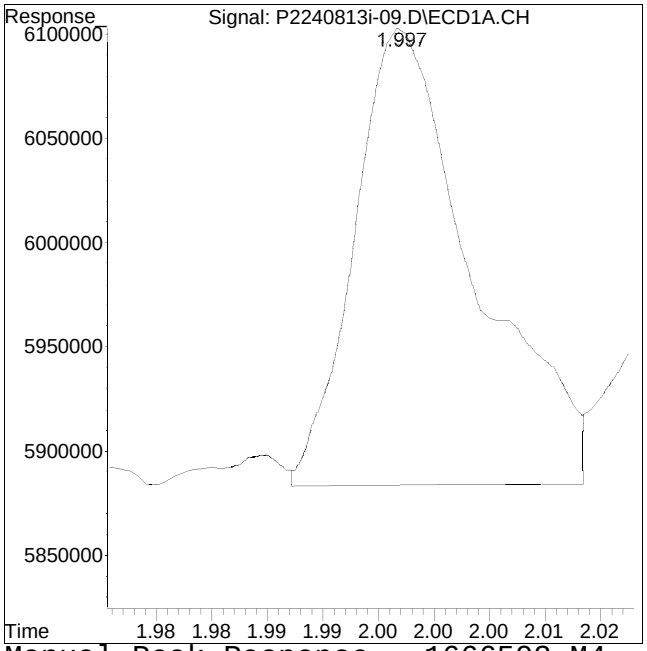
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



Original Peak Response = 2893140



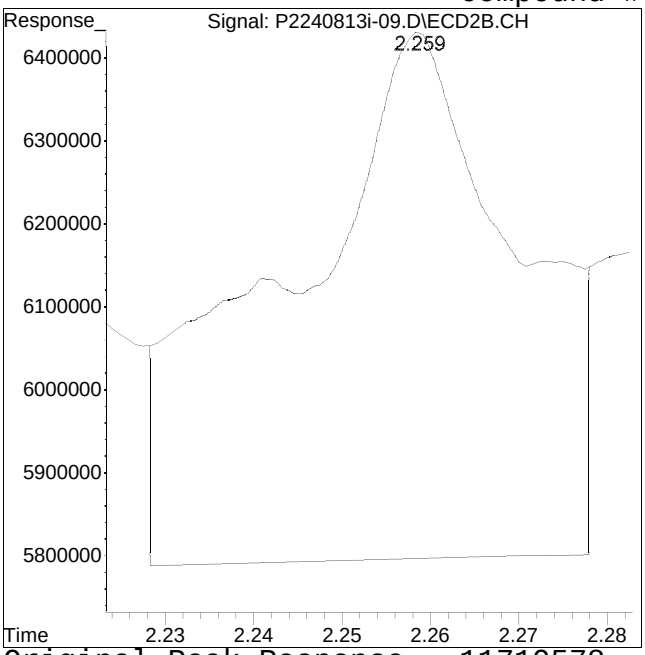
Manual Peak Response = 1666502 M4

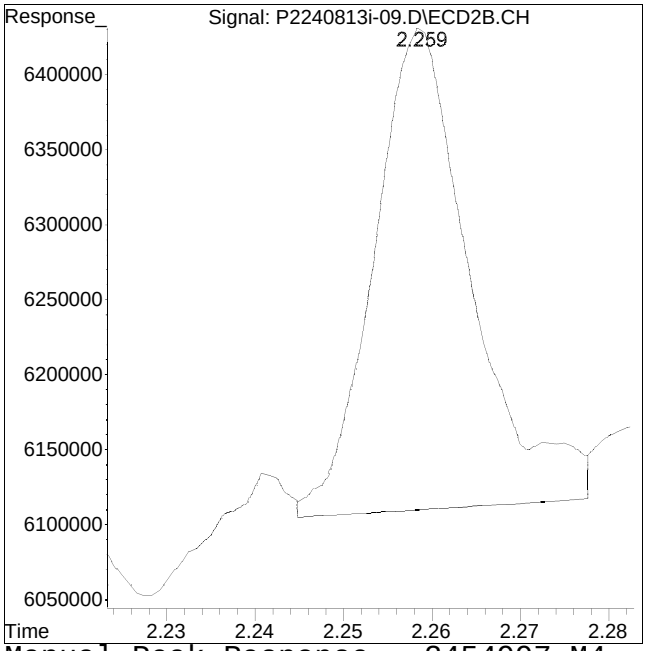
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



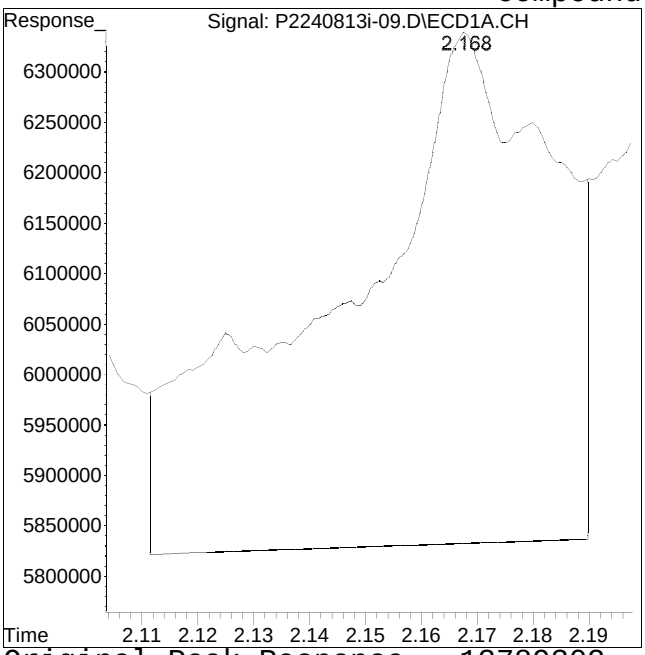


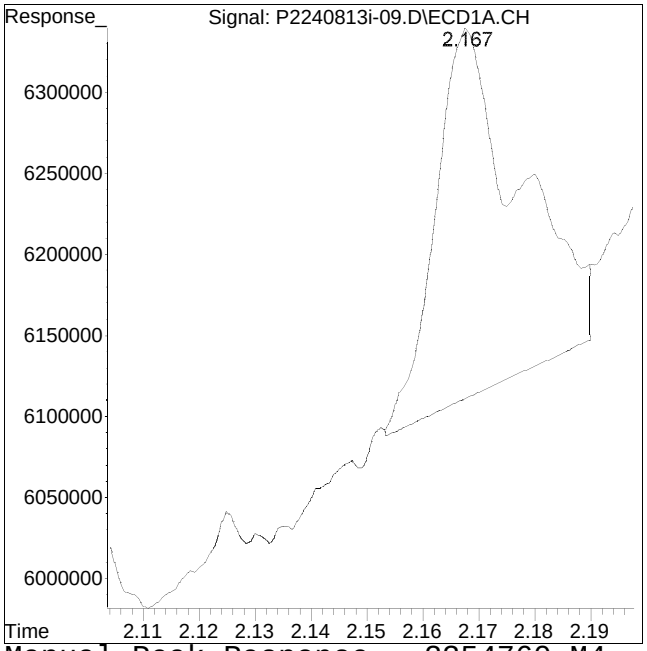
Original Peak Response = 11719578 Manual Peak Response = 2454997 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



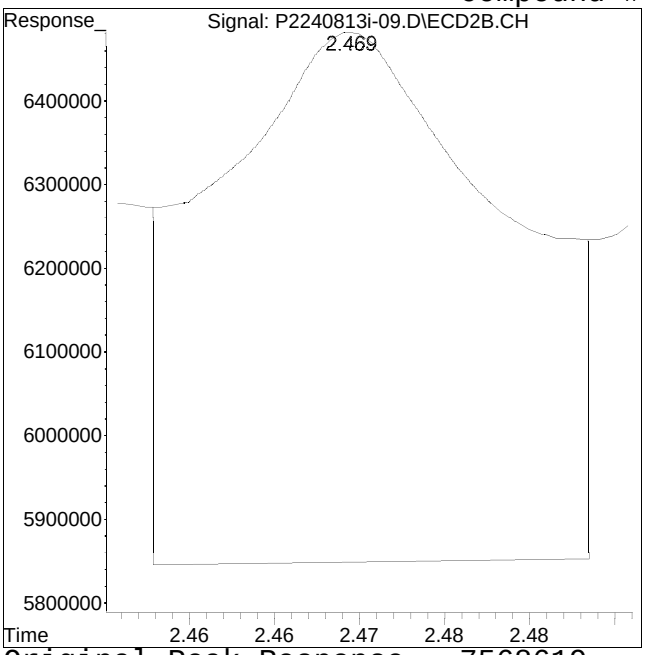


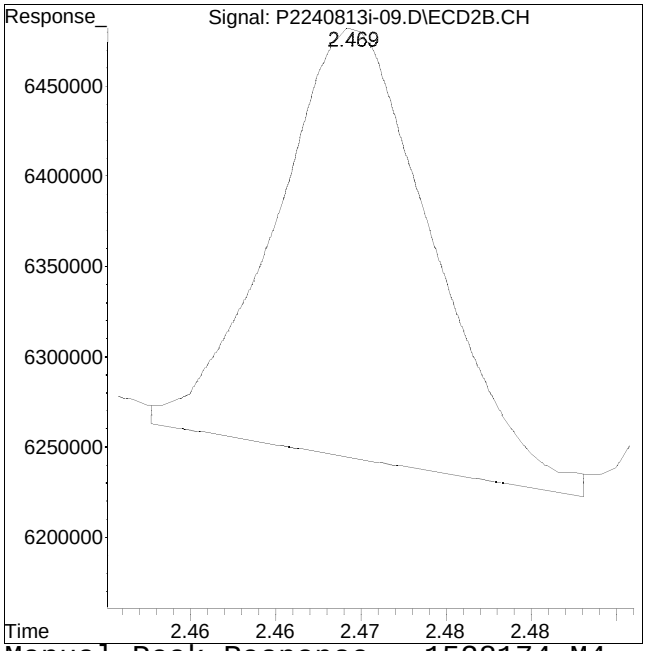
Original Peak Response = 13789302 Manual Peak Response = 2354760 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



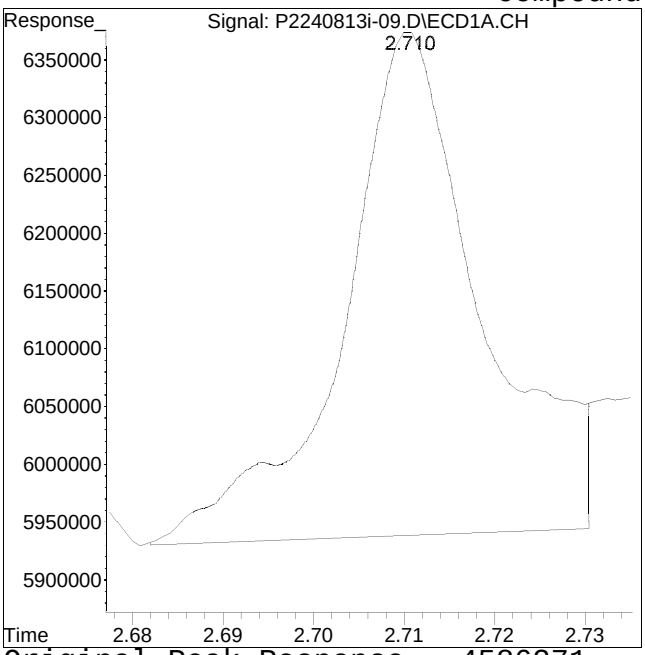


Original Peak Response = 7568619 Manual Peak Response = 1528174 M4
M4 = Poor automated baseline construction.

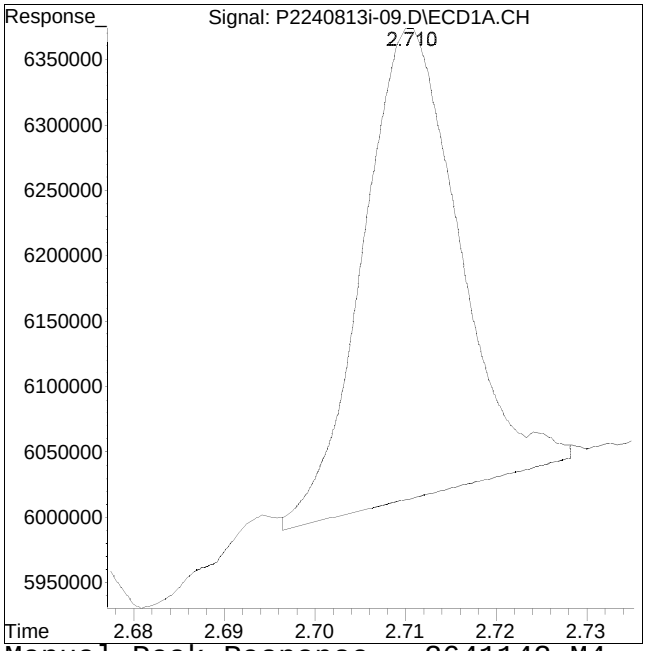
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



Original Peak Response = 4586271



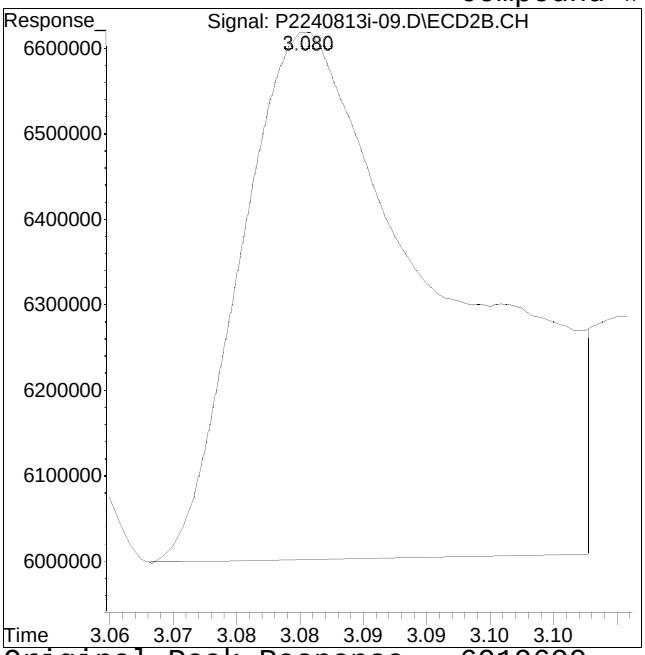
Manual Peak Response = 2641142 M4

M4 = Poor automated baseline construction.

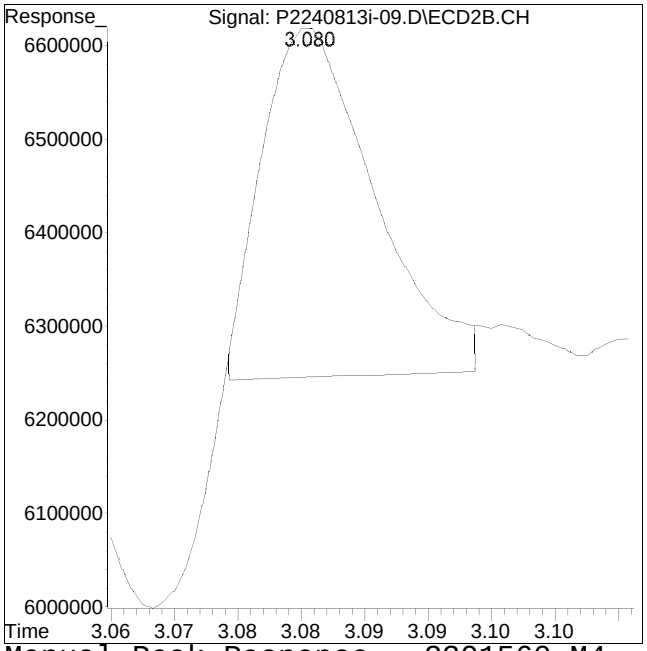
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



Original Peak Response = 6919699



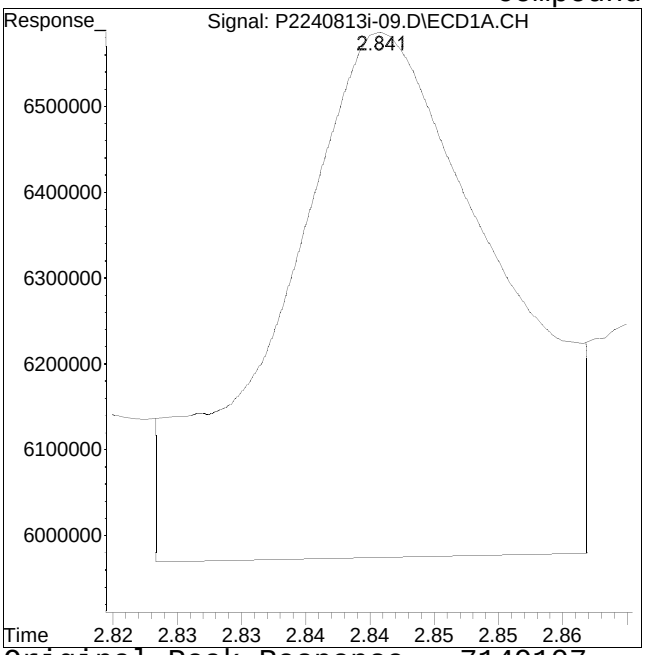
Manual Peak Response = 2301560 M4

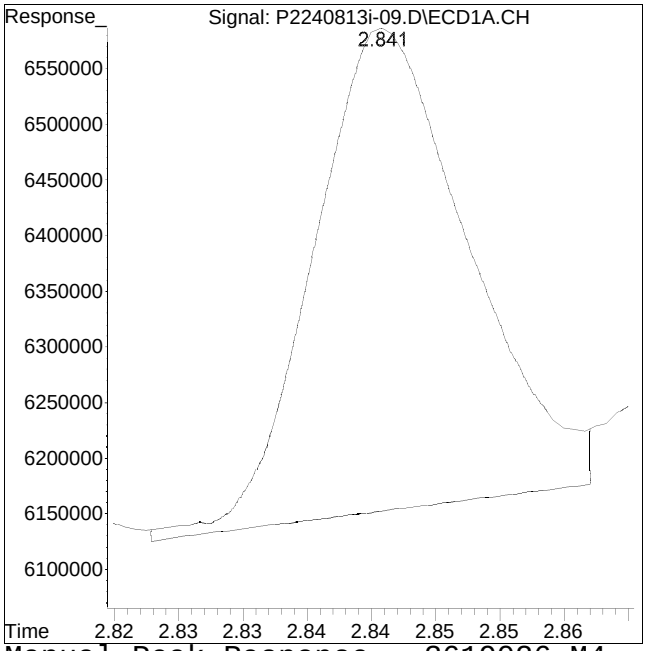
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



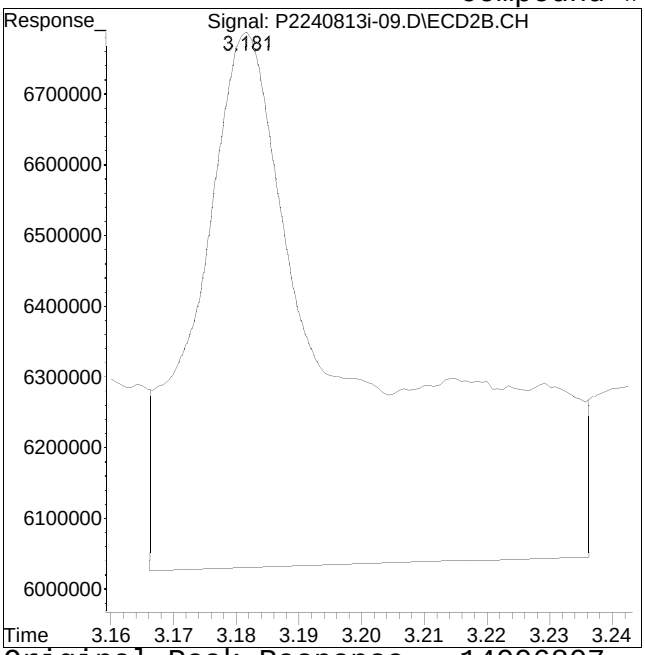


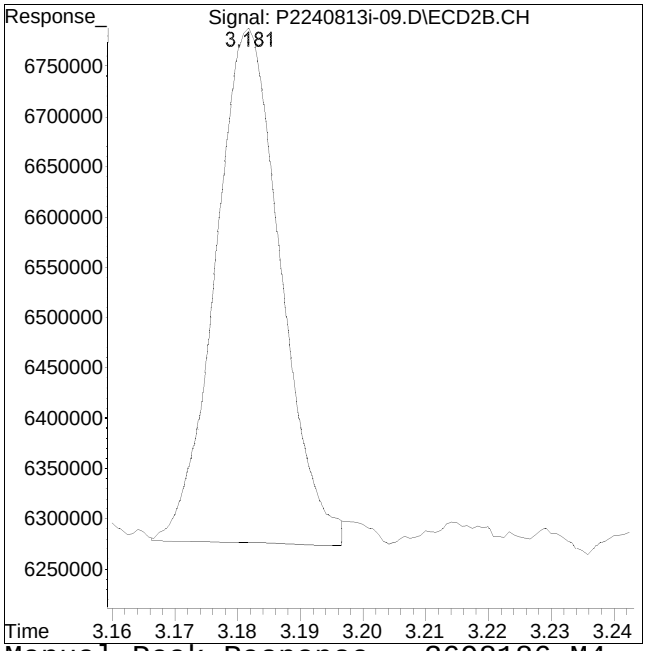
Original Peak Response = 7149107 Manual Peak Response = 3619026 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



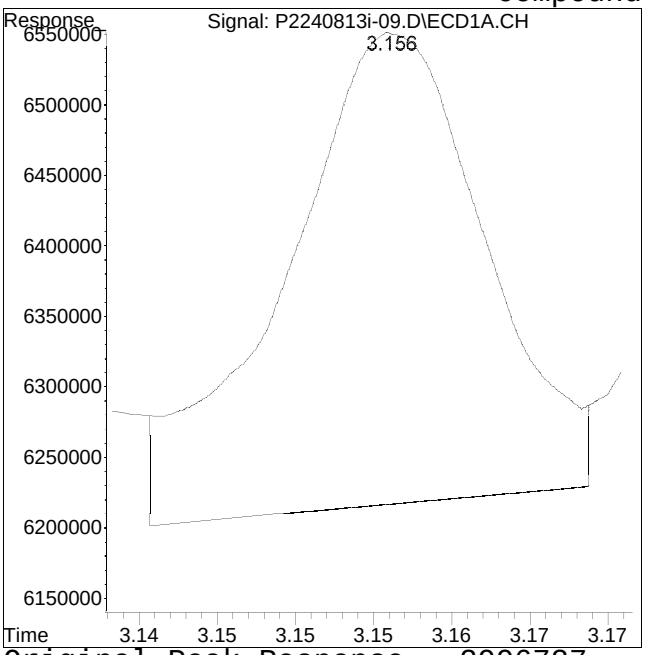


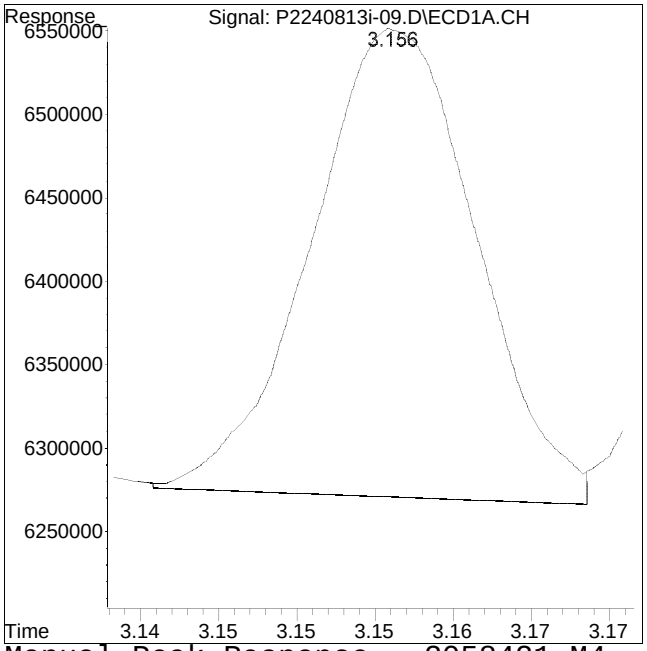
Original Peak Response = 14006807 Manual Peak Response = 3698186 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



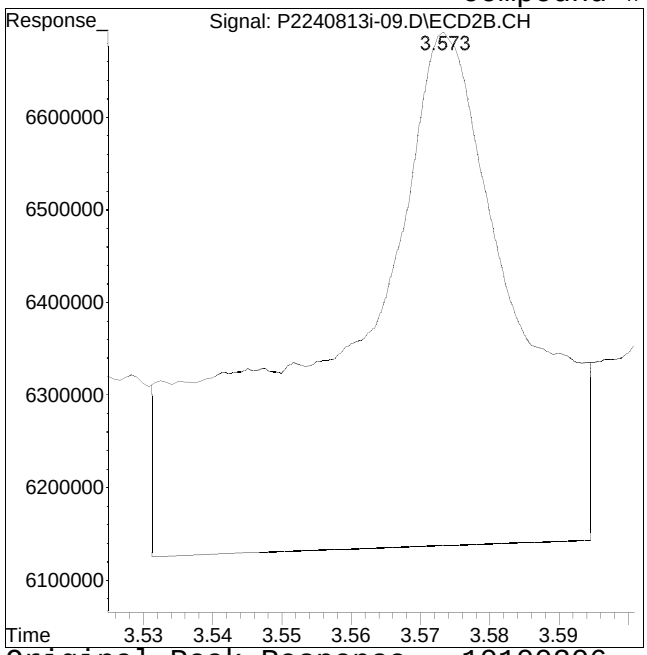


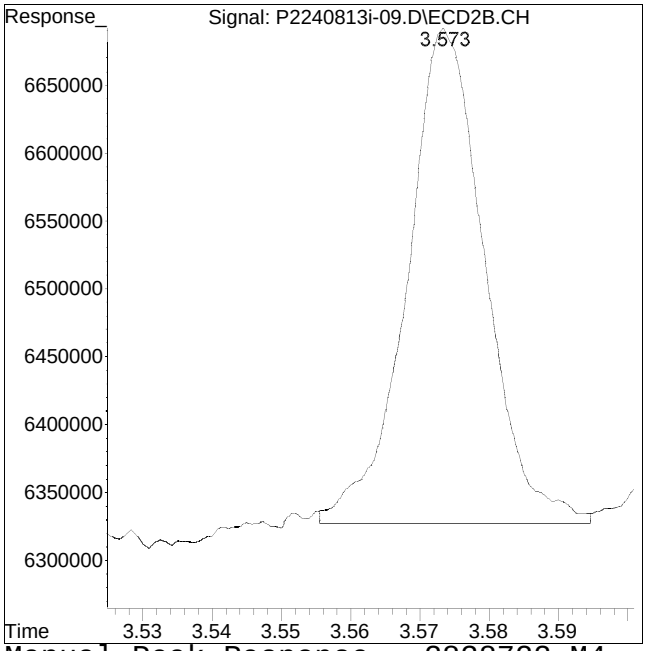
Original Peak Response = 2996727 Manual Peak Response = 2058421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



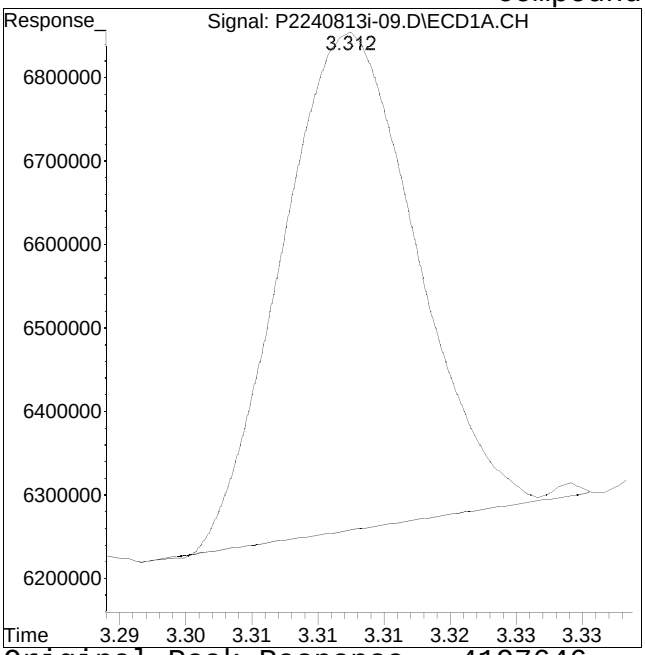


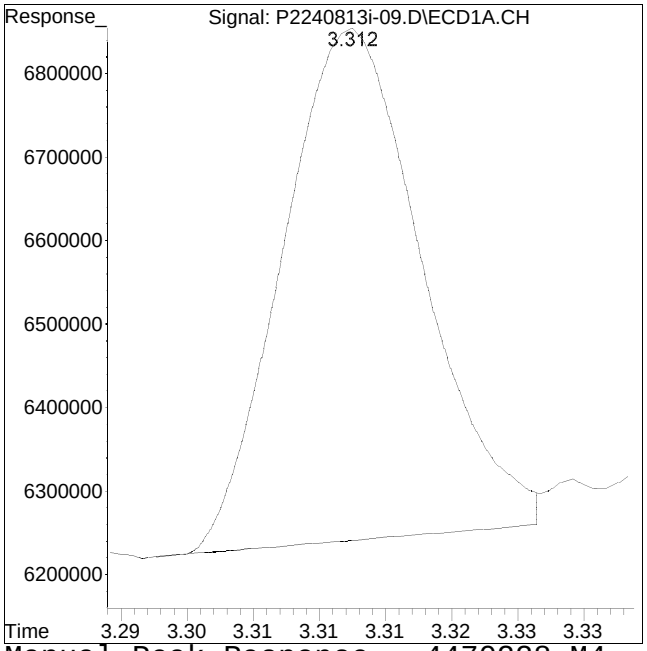
Original Peak Response = 10100206 Manual Peak Response = 2838722 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



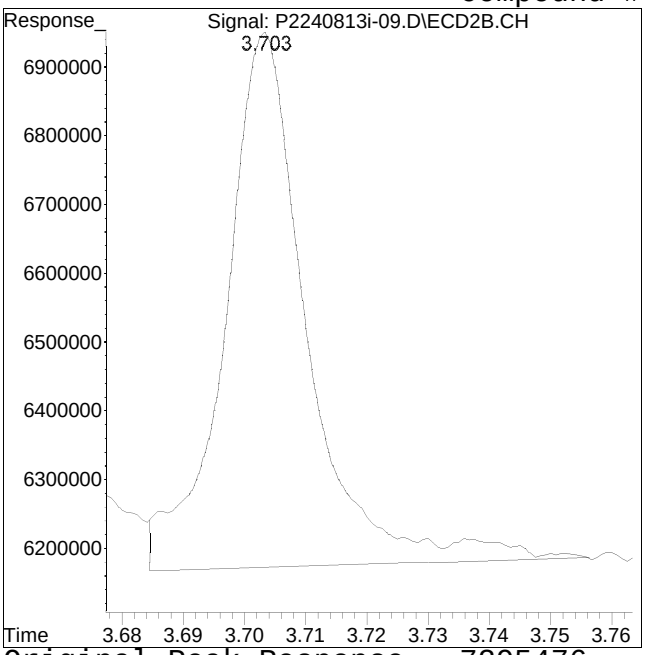


Original Peak Response = 4197646 Manual Peak Response = 4470228 M4
M4 = Poor automated baseline construction.

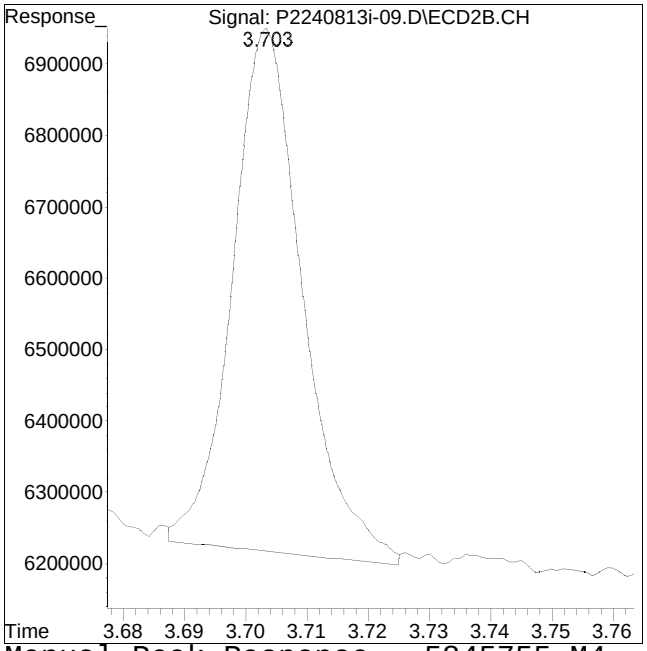
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



Original Peak Response = 7295476



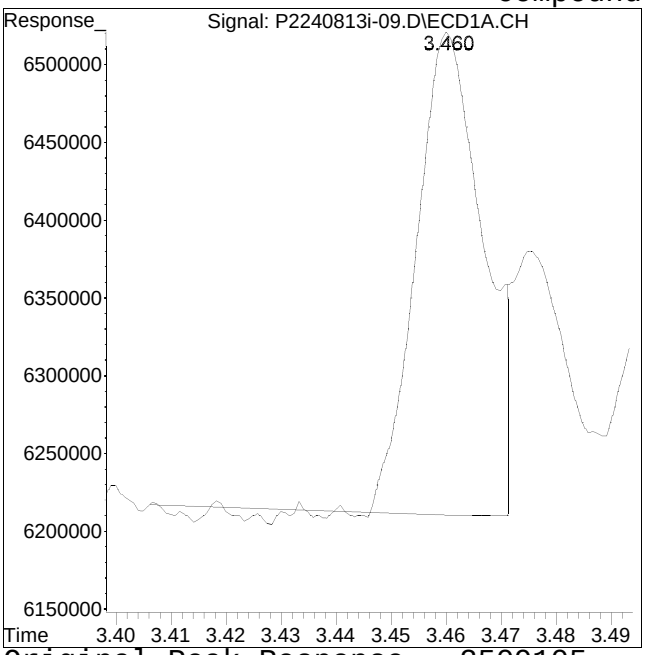
Manual Peak Response = 5845755 M4

M4 = Poor automated baseline construction.

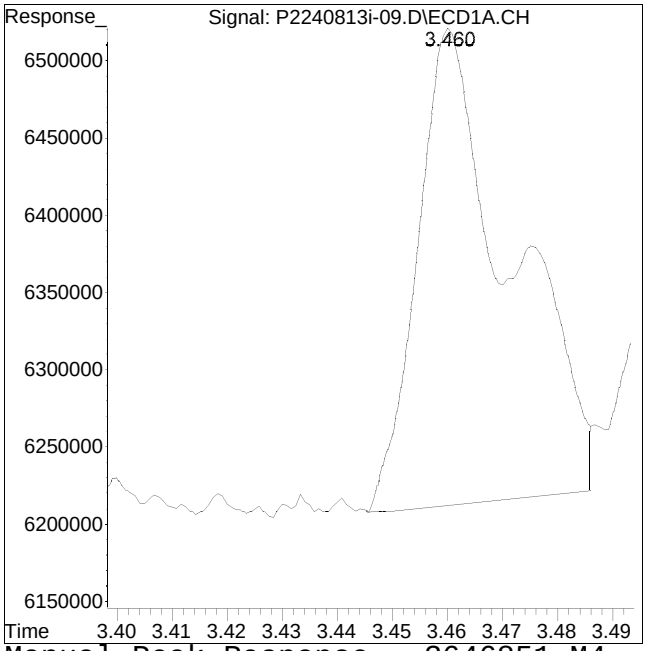
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



Original Peak Response = 2509105



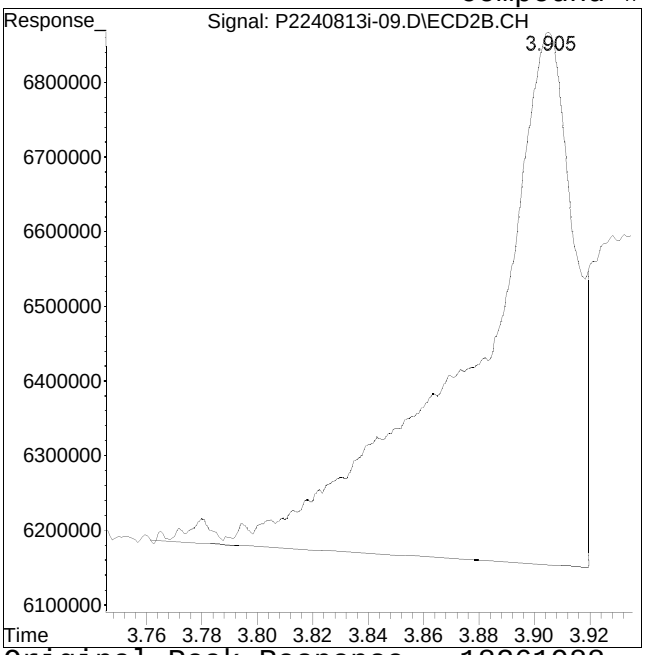
Manual Peak Response = 3646851 M4

M4 = Poor automated baseline construction.

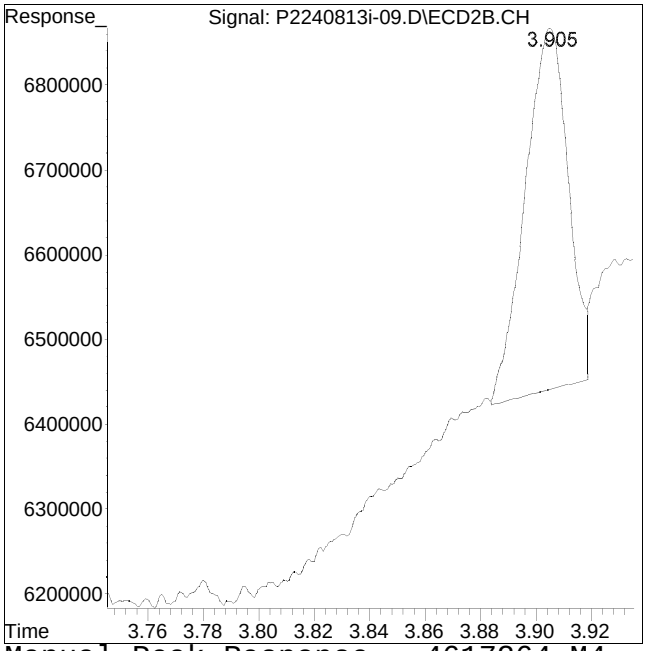
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 18261988



Manual Peak Response = 4617264 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	193.8E6	228.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	7582036	9057478	0.610M4	0.644M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		3.05%#	3.22%#
3) s	Decachlorobi	4.044	4.553	11645867	12855666	1.247M4	1.379M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		6.24%#	6.89%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	2324444	2643153	5.309M4	2.657M4
5) l1	1016-2	1.756	1.998	4015390	5977608	8.529M4	1.753M4
6) l1	1016-3	1.942	2.200	9350544	11715857	8.500M4	4.937M4
7) l1	1016-4	1.997	2.259	3907302	4685272	7.017M4	2.946M4
8) l1	1016-5	2.168	2.470	5257836	3389577	2.806M4	3.227M4
	Sum 1016-1			24855516	28411468	32.160	15.520 D
	Average 1016-1					6.432	3.104 D
9) l2	1260-1	2.710	3.080	5885223	6398898	6.765M4	5.650M4
10) l2	1260-2	2.841	3.181	8853630	8605552	6.752M4	4.230M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	5283289	7087733	8.022M4	4.706M4
12) l2	1260-4	3.313	3.703	11234439	13340314	10.294	8.899M4
13) l2	1260-5	3.460	3.906	8449095	9836317	11.510M1	3.793M4
Sum	1260-1			39705675	45268815	NoCal	NoCal D
Average	1260-1					8.669	5.456 D
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

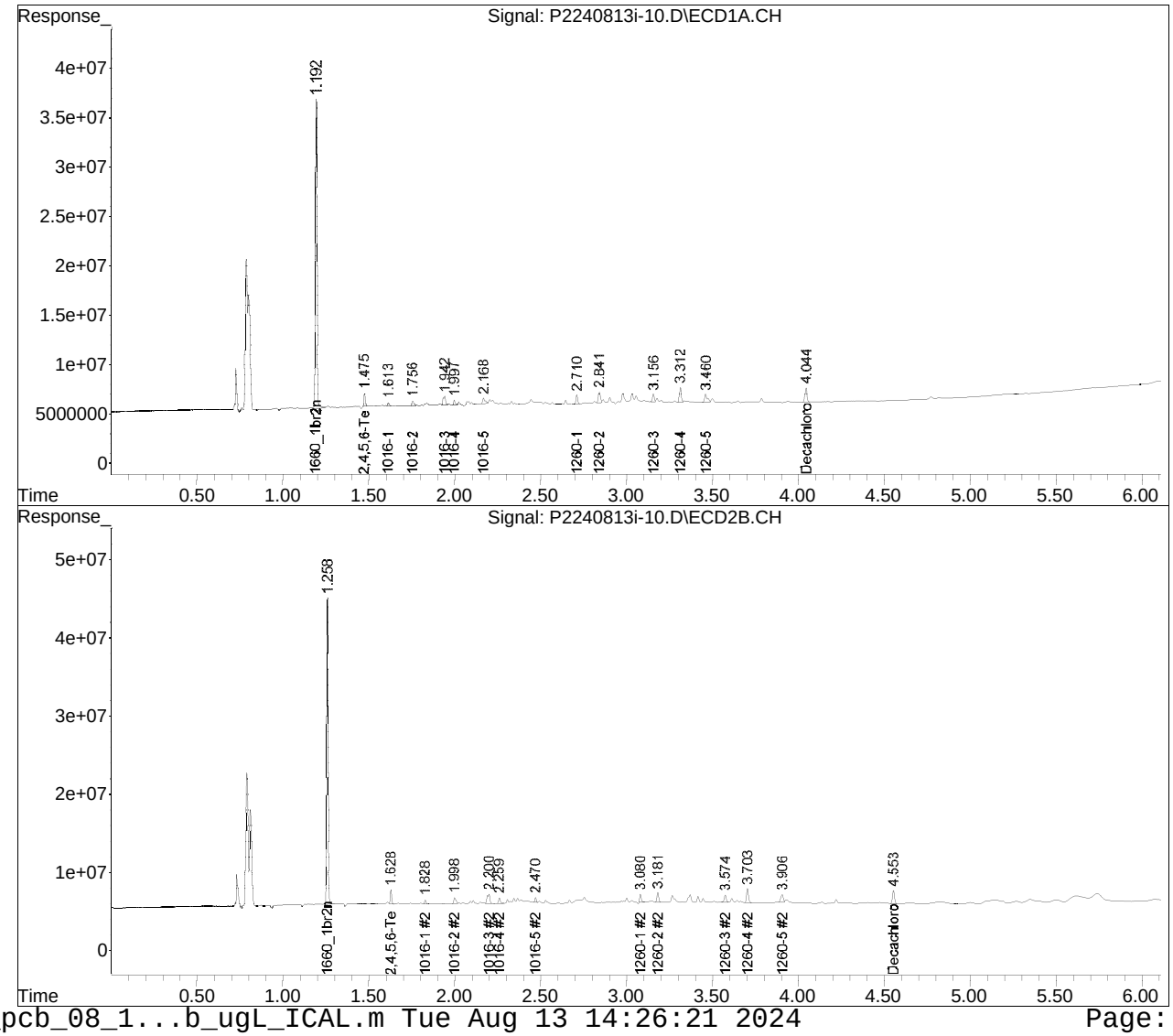
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

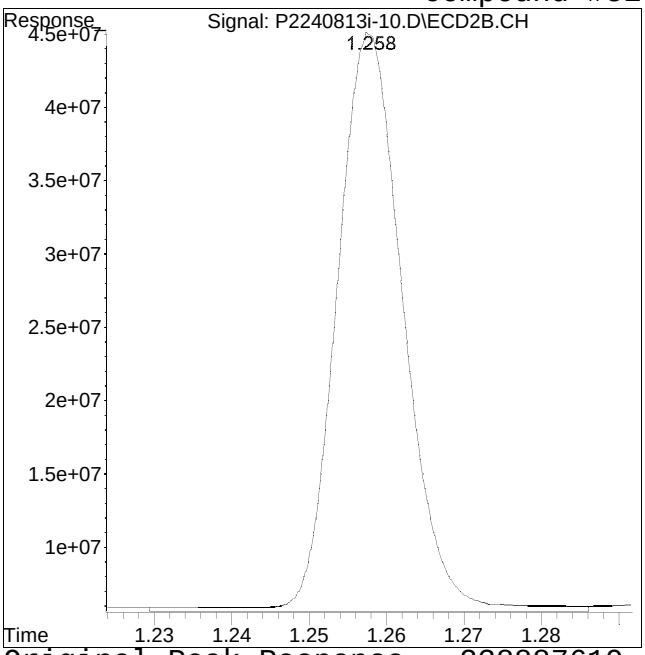
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

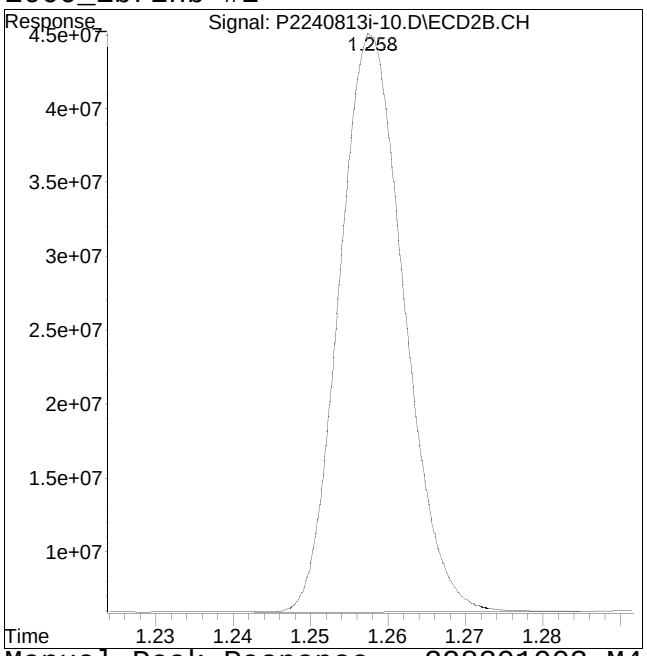


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



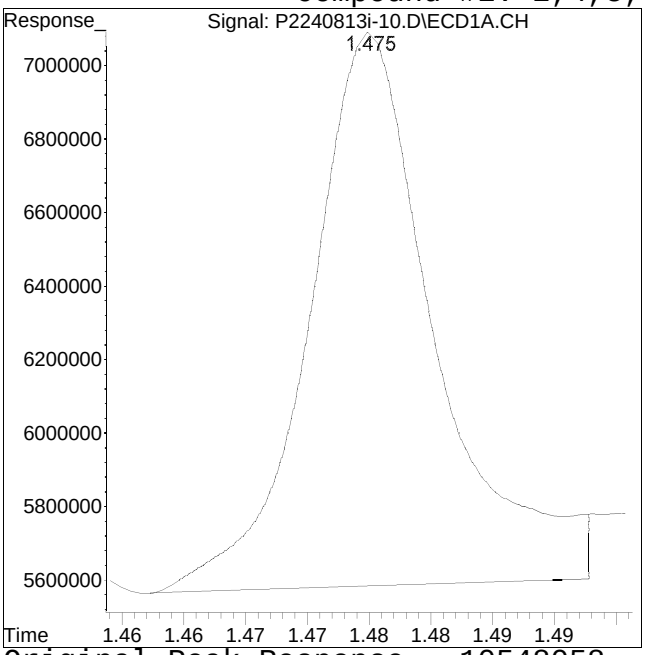


Original Peak Response = 238887619 Manual Peak Response = 228301003 M4
M4 = Poor automated baseline construction.

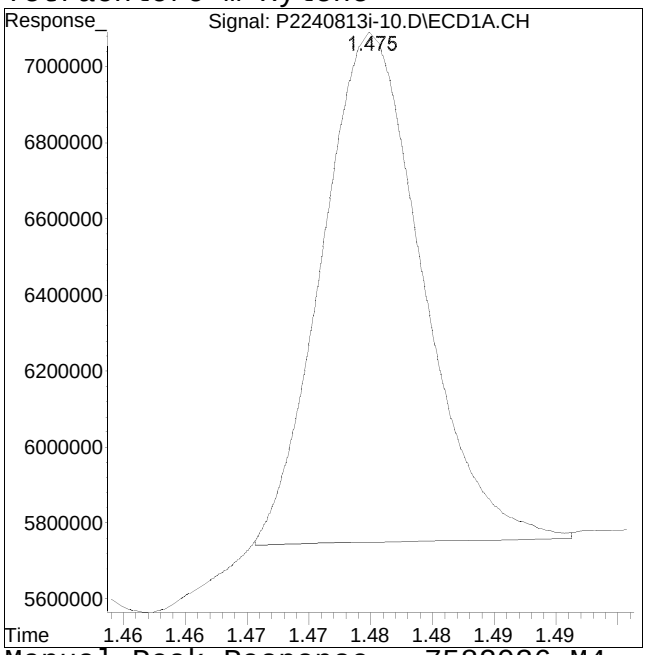
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 10548058



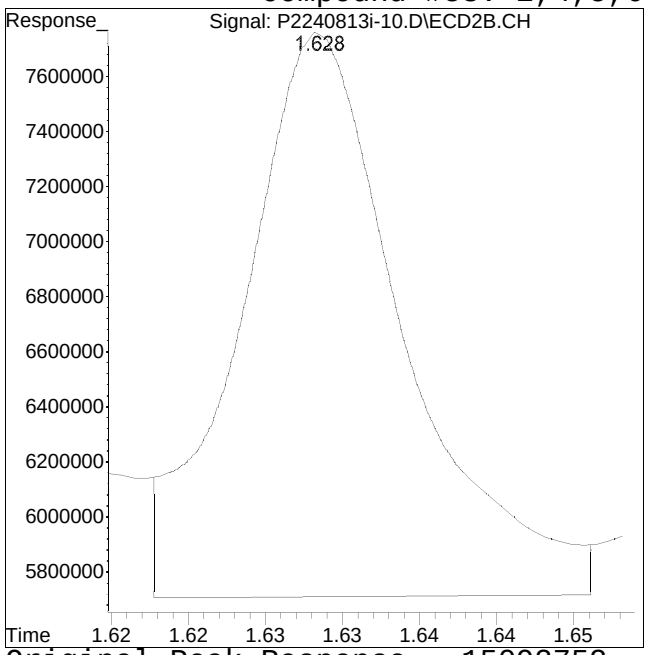
Manual Peak Response = 7582036 M4

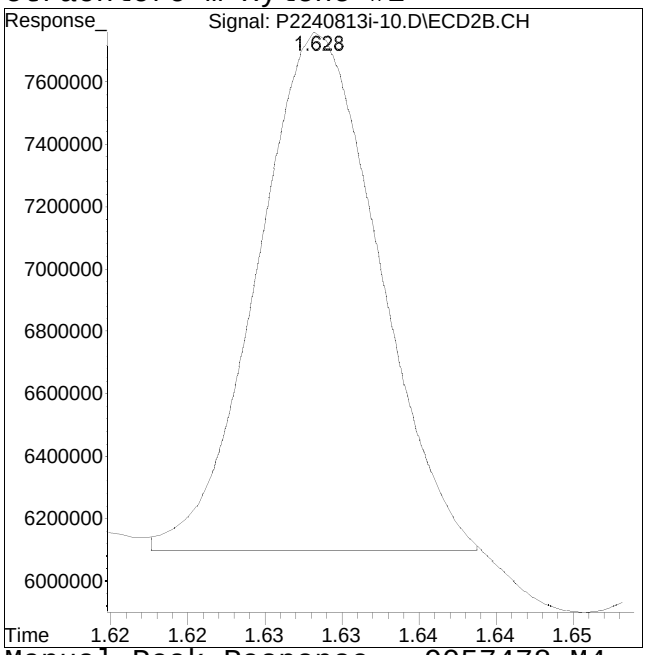
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



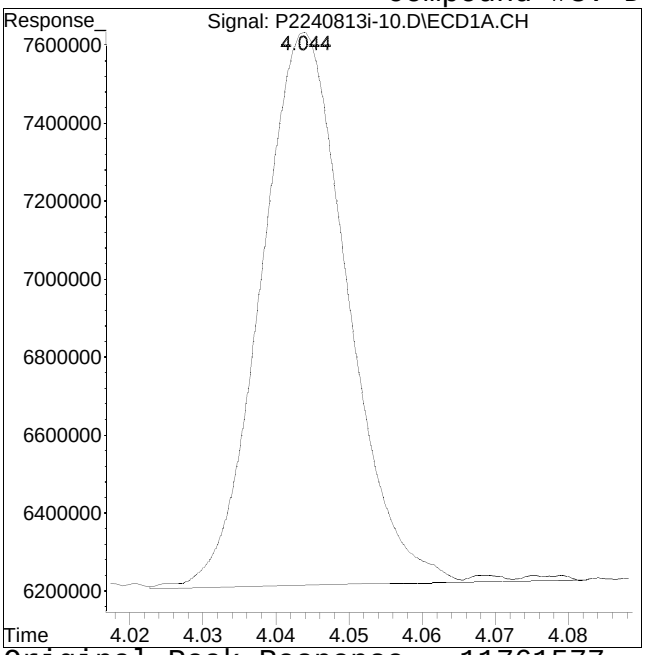


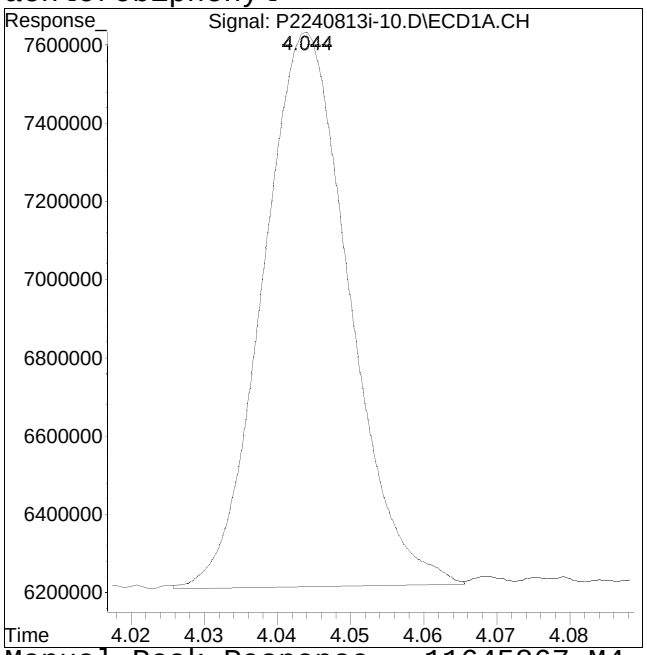
Original Peak Response = 15092752 Manual Peak Response = 9057478 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



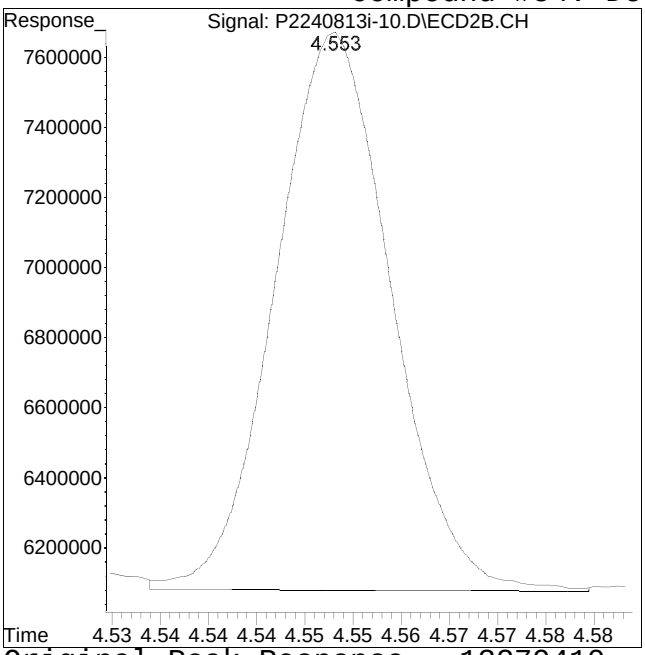


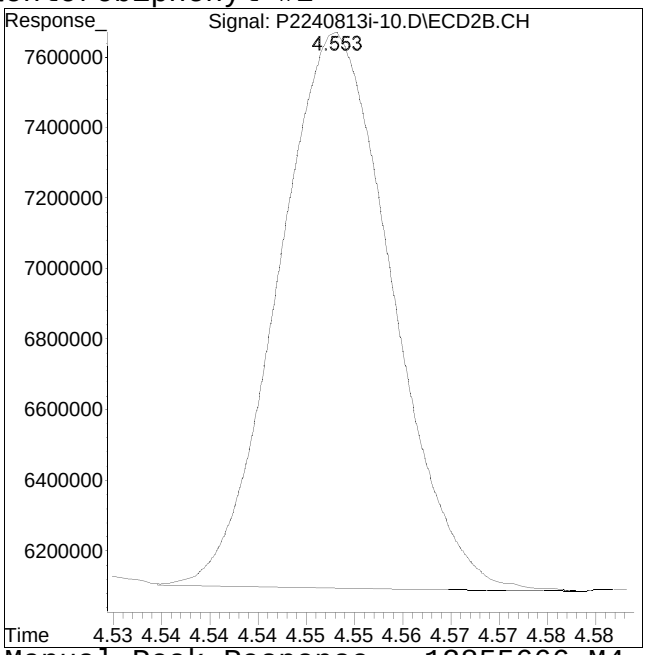
Original Peak Response = 11761577 Manual Peak Response = 11645867 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



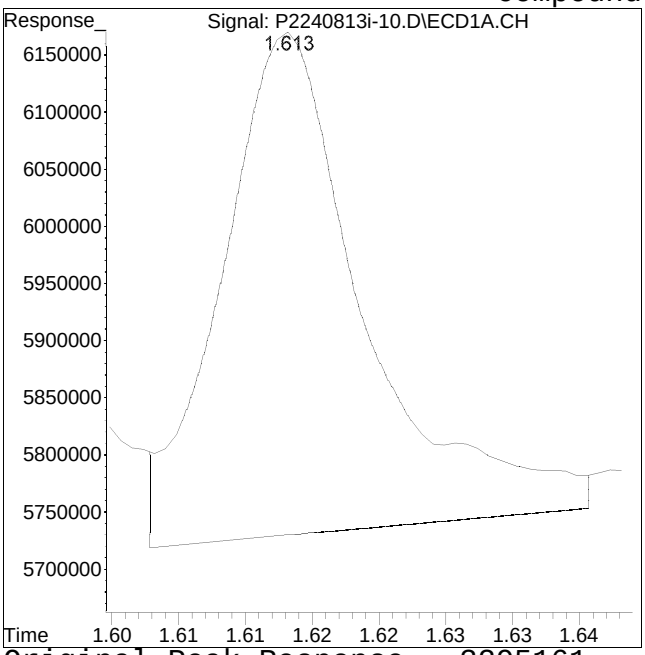


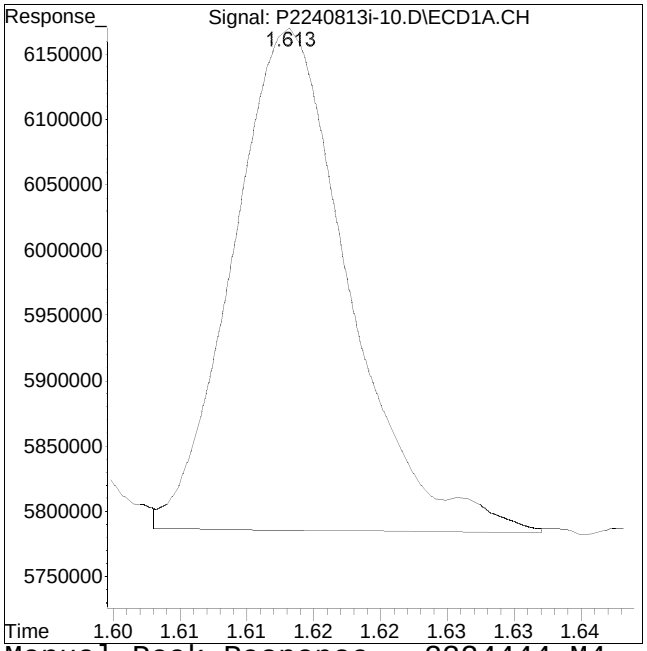
Original Peak Response = 13279410 Manual Peak Response = 12855666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



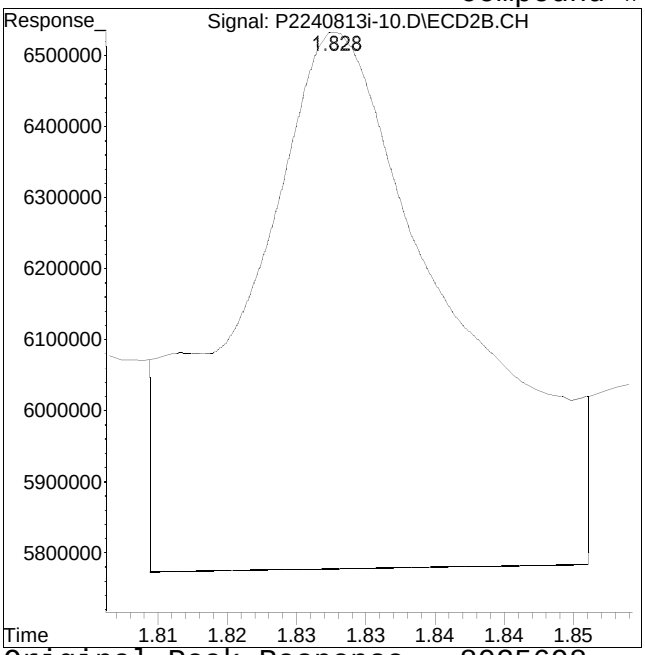


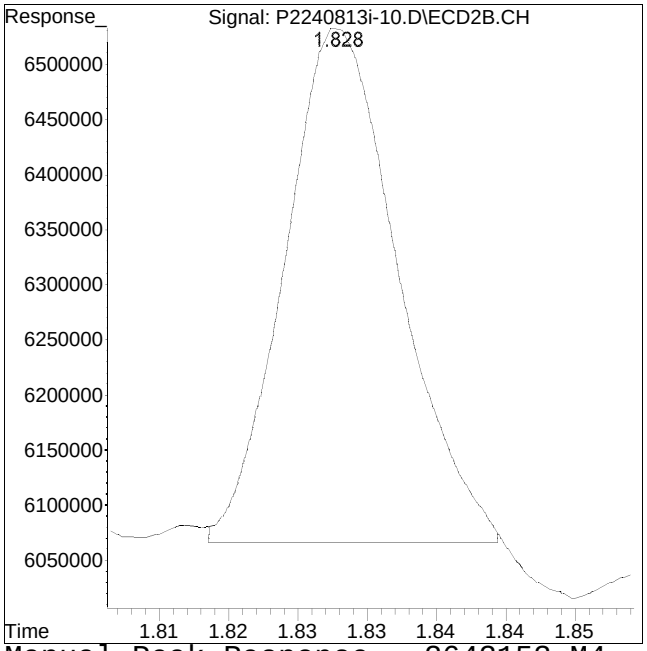
Original Peak Response = 3295161 Manual Peak Response = 2324444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



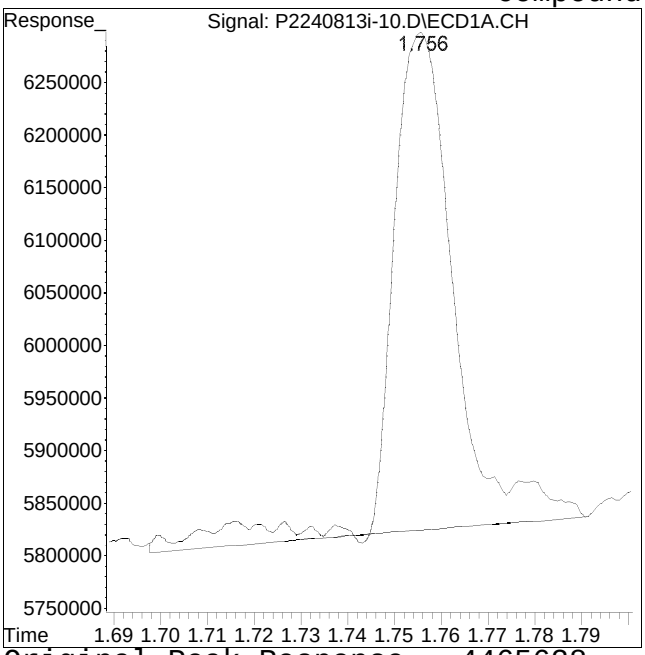


Original Peak Response = 8025698 Manual Peak Response = 2643153 M4
M4 = Poor automated baseline construction.

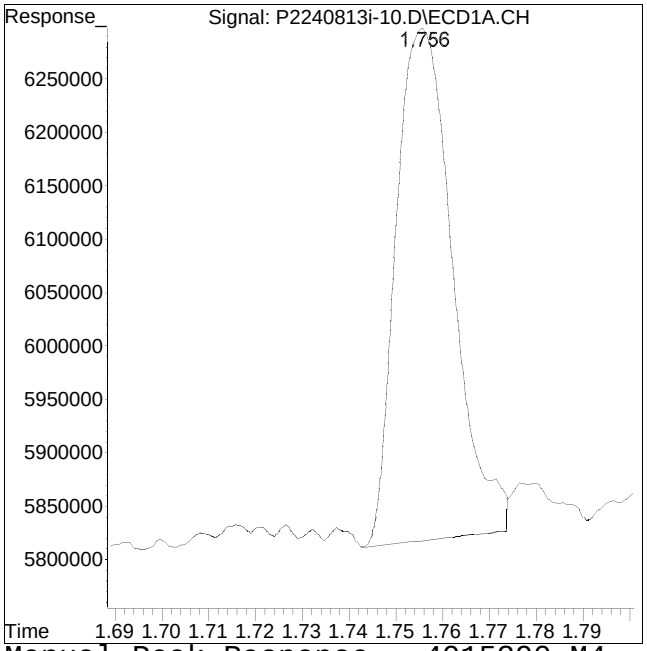
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



Original Peak Response = 4465628



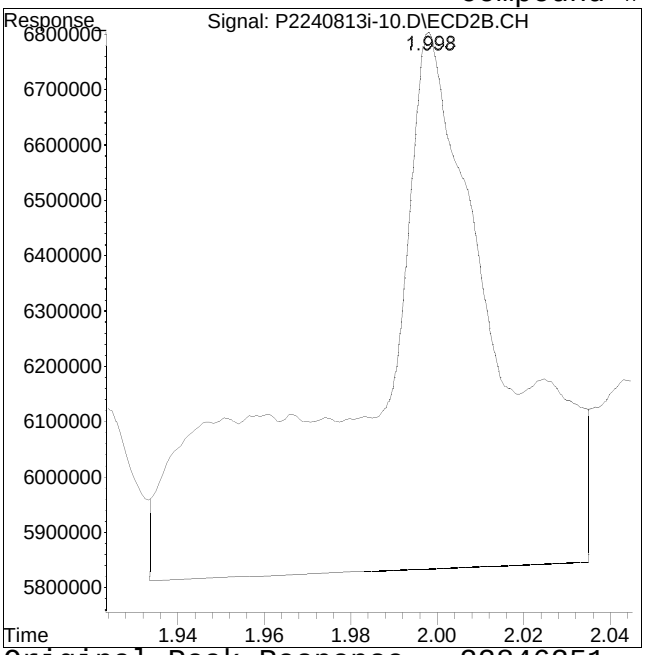
Manual Peak Response = 4015390 M4

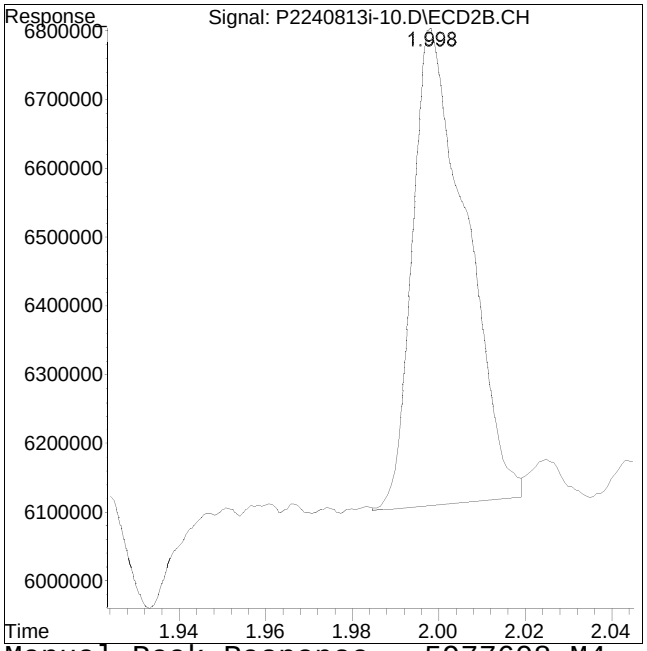
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



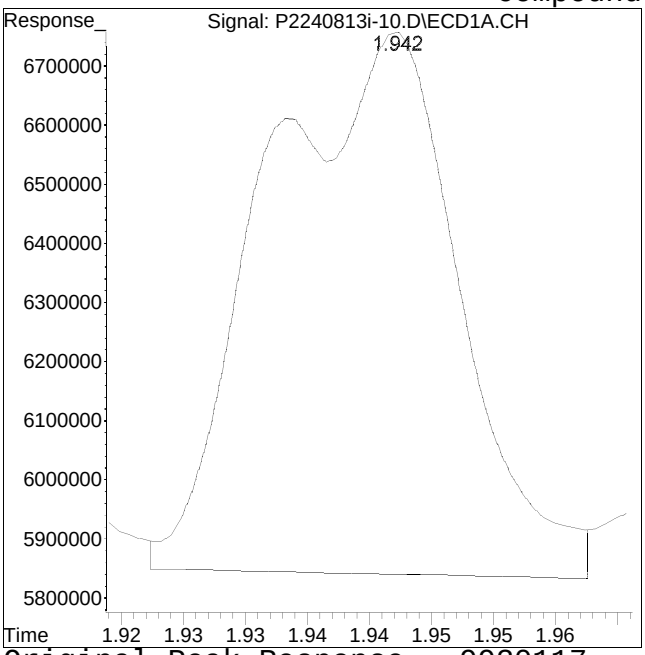


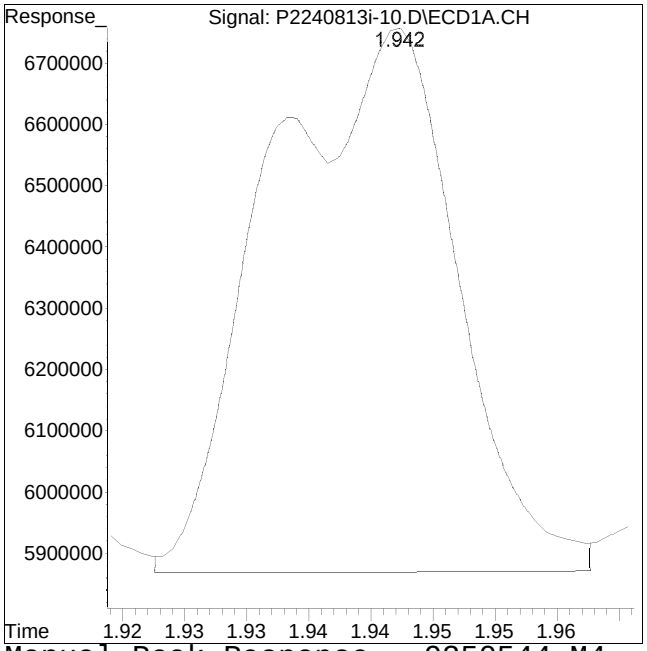
Original Peak Response = 22846251 Manual Peak Response = 5977608 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



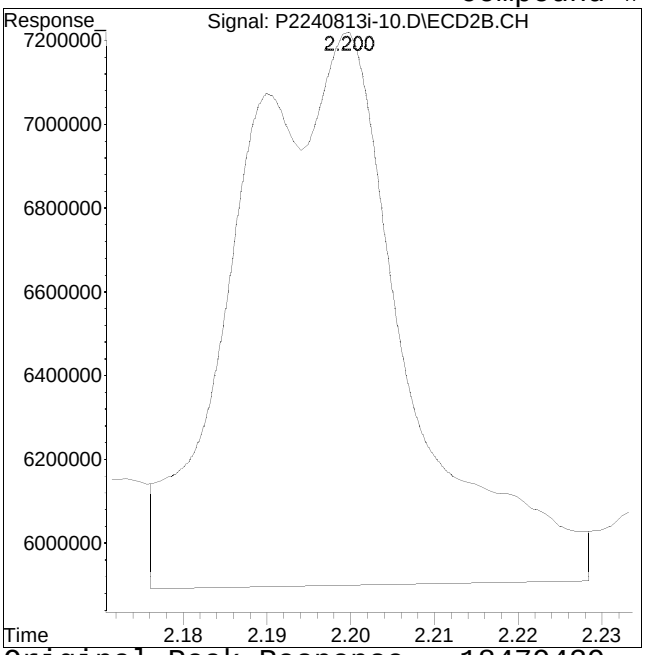


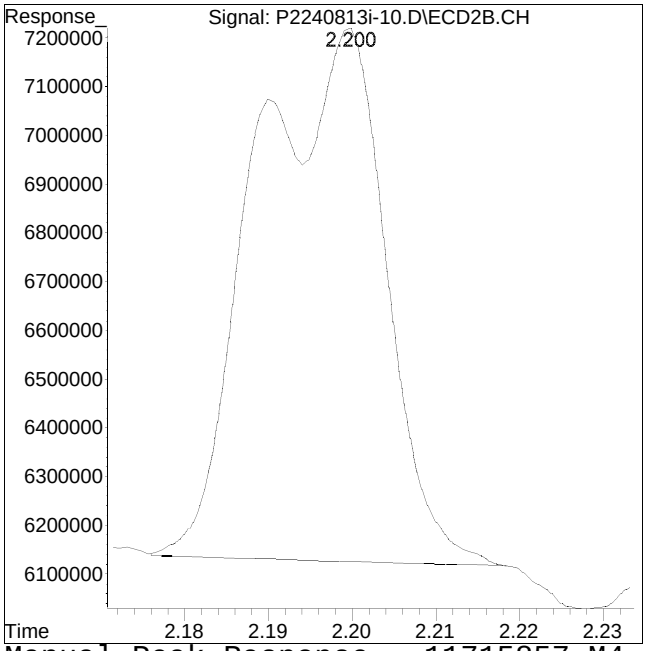
Original Peak Response = 9930117 Manual Peak Response = 9350544 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



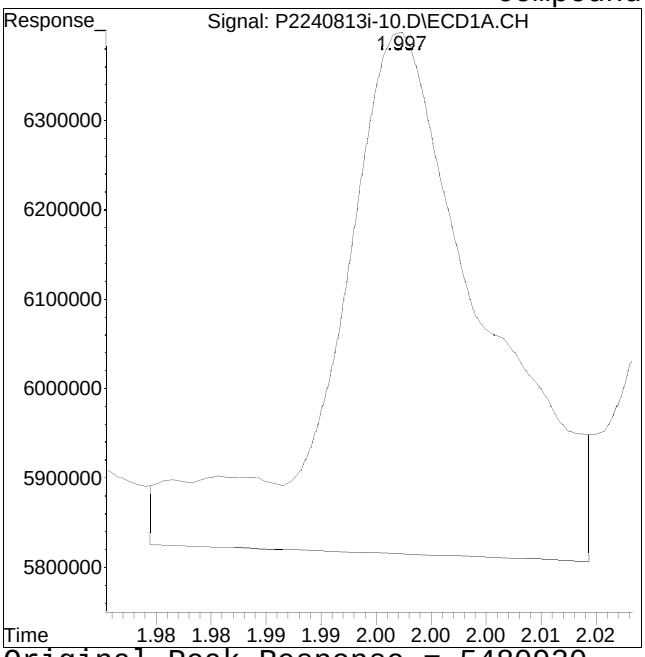


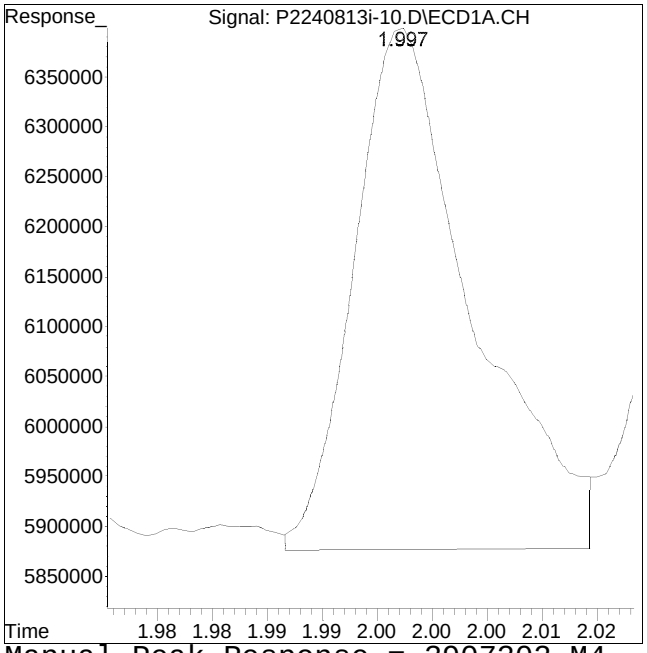
Original Peak Response = 18479439 Manual Peak Response = 11715857 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



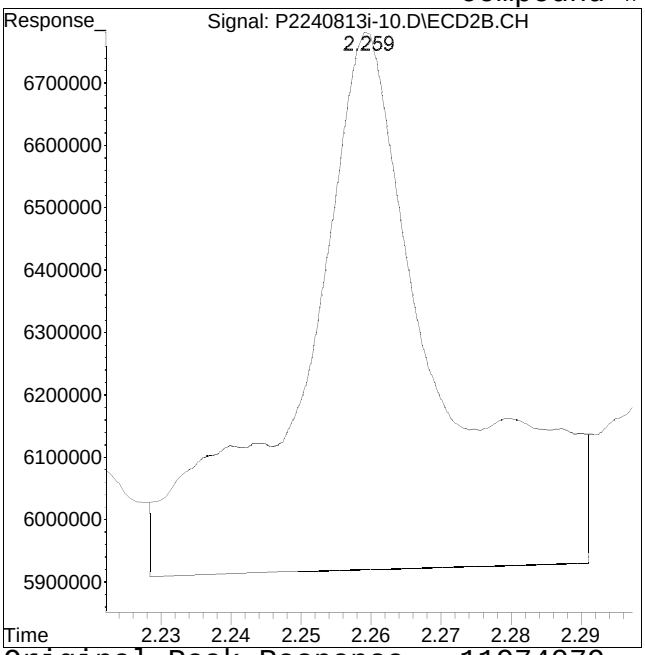


Original Peak Response = 5480920 Manual Peak Response = 3907302 M4
M4 = Poor automated baseline construction.

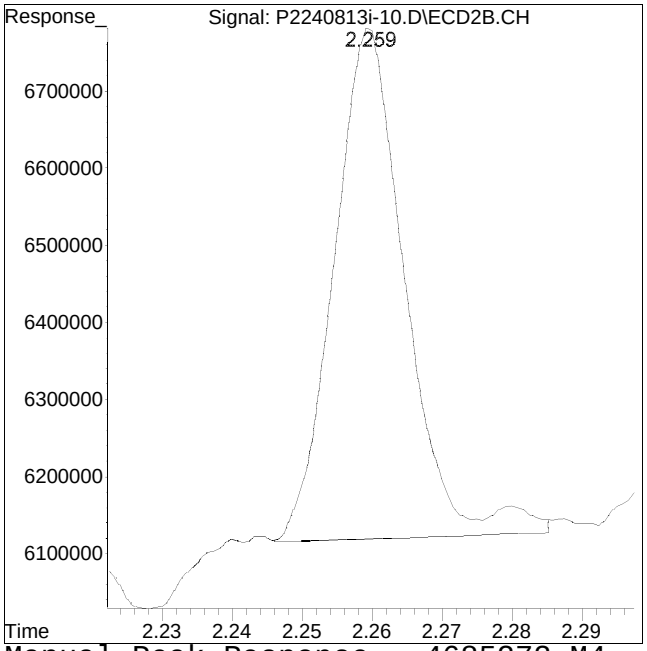
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



Original Peak Response = 11974079



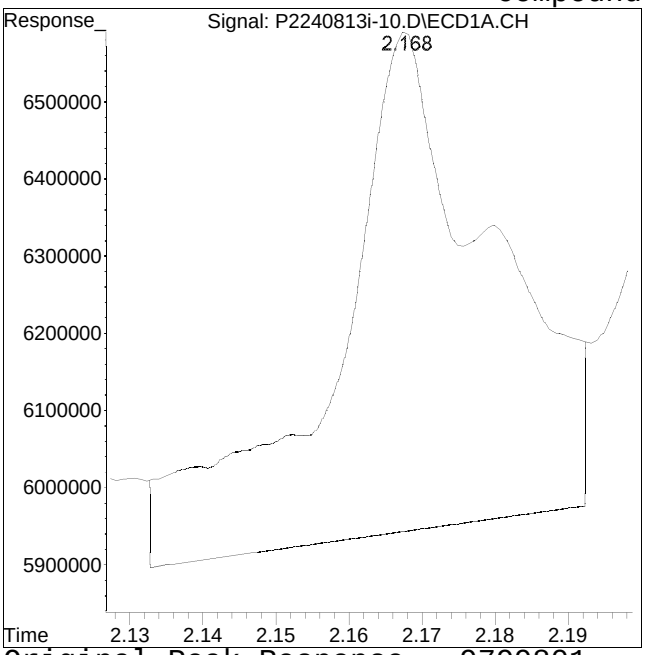
Manual Peak Response = 4685272 M4

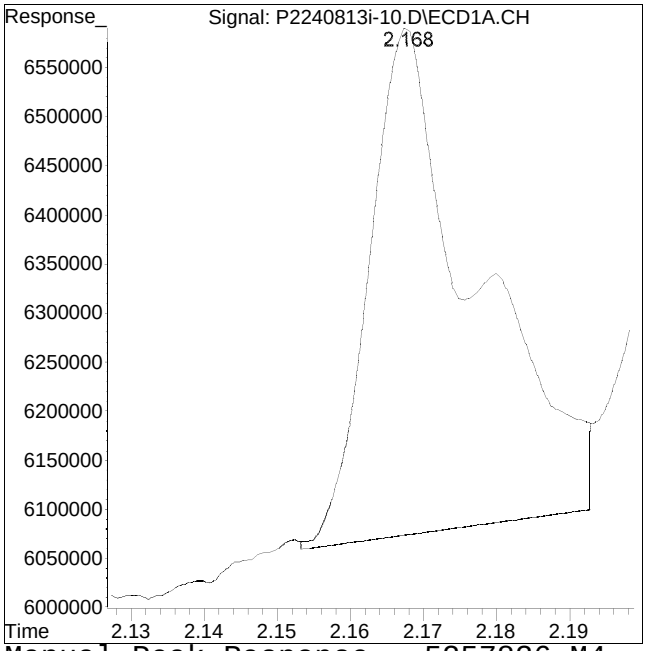
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



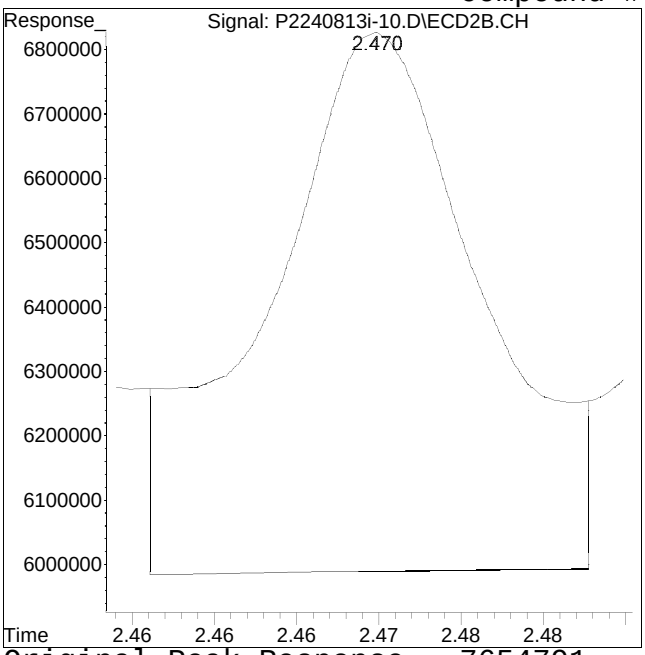


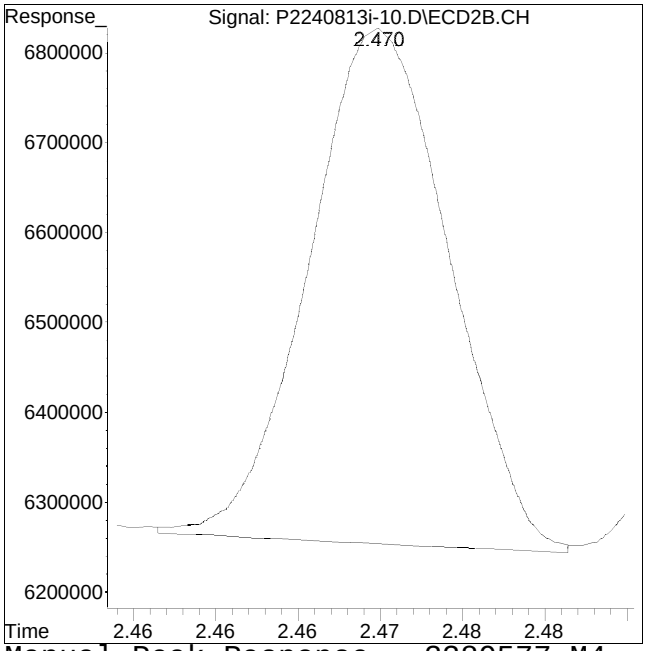
Original Peak Response = 9799801 Manual Peak Response = 5257836 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



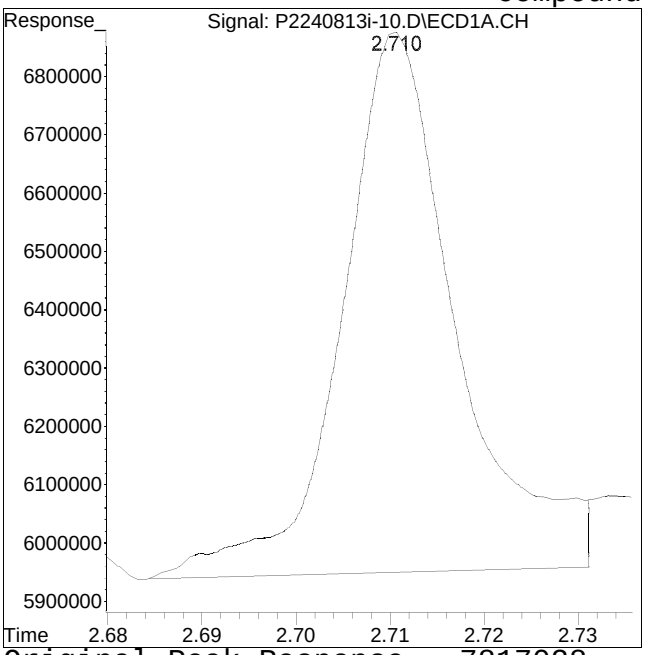


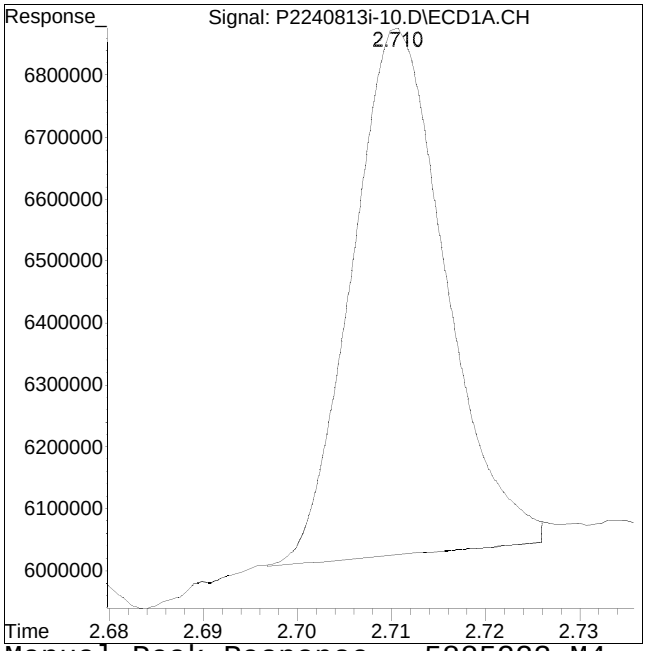
Original Peak Response = 7654791 Manual Peak Response = 3389577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



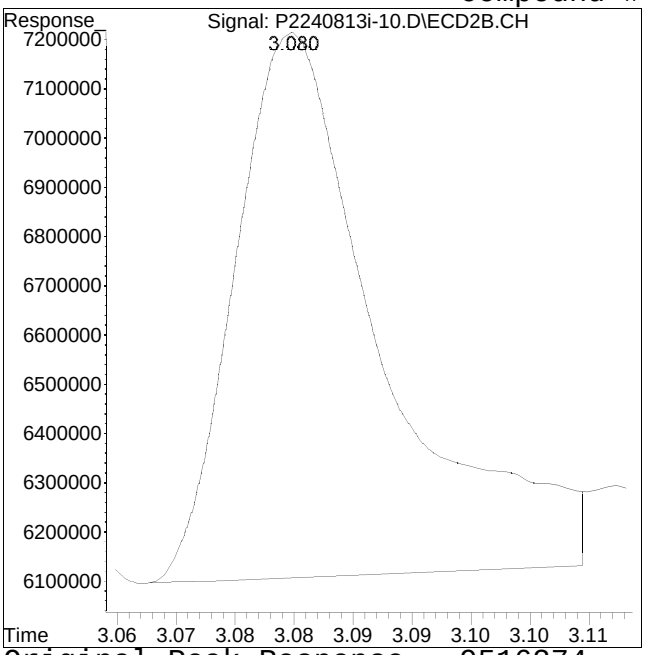


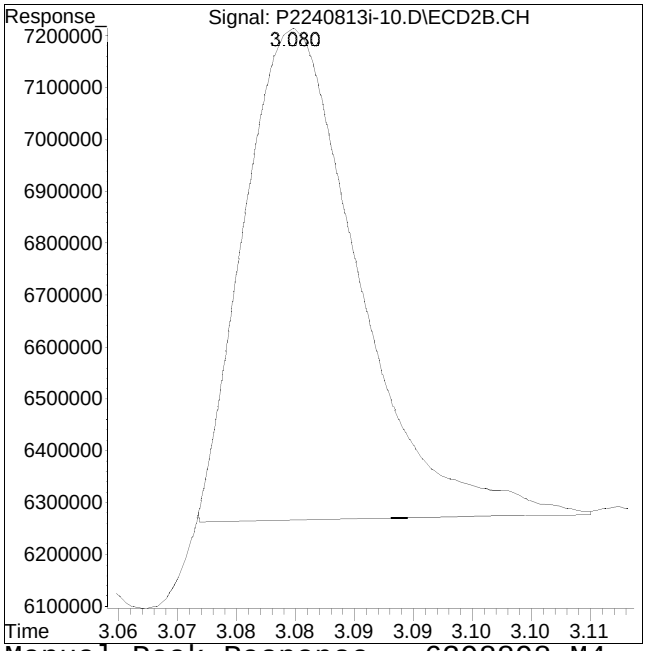
Original Peak Response = 7817028 Manual Peak Response = 5885223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



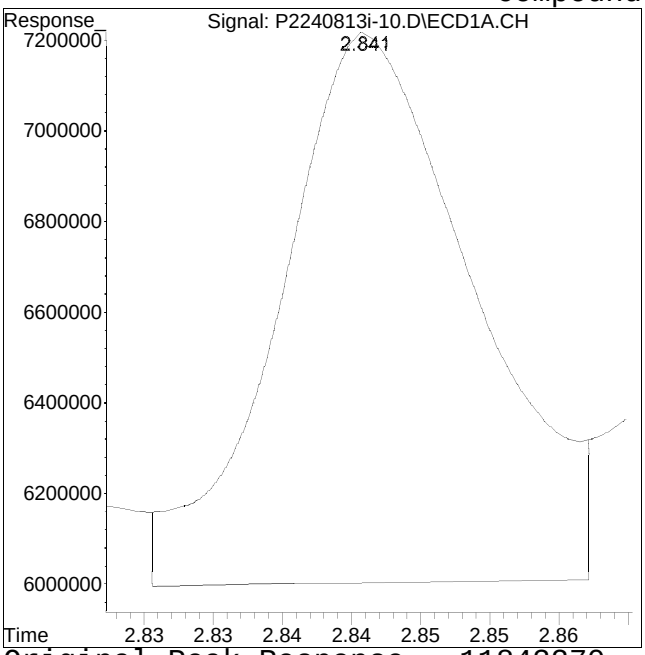


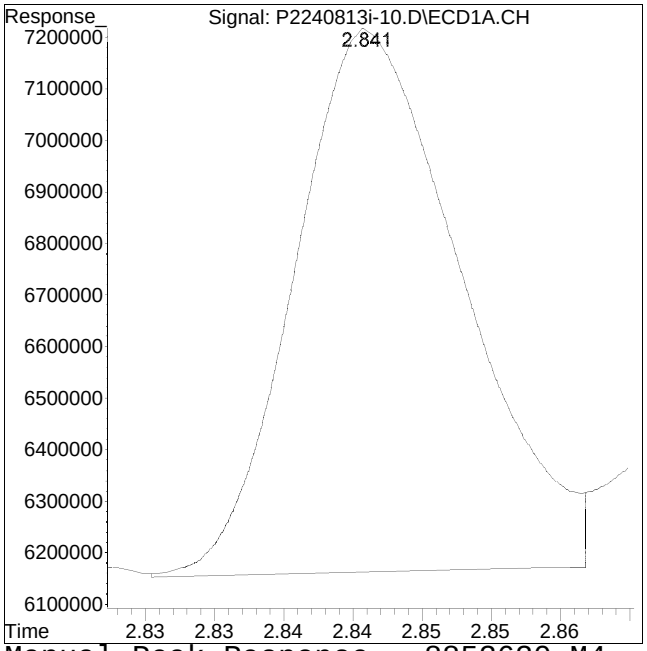
Original Peak Response = 9516274 Manual Peak Response = 6398898 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



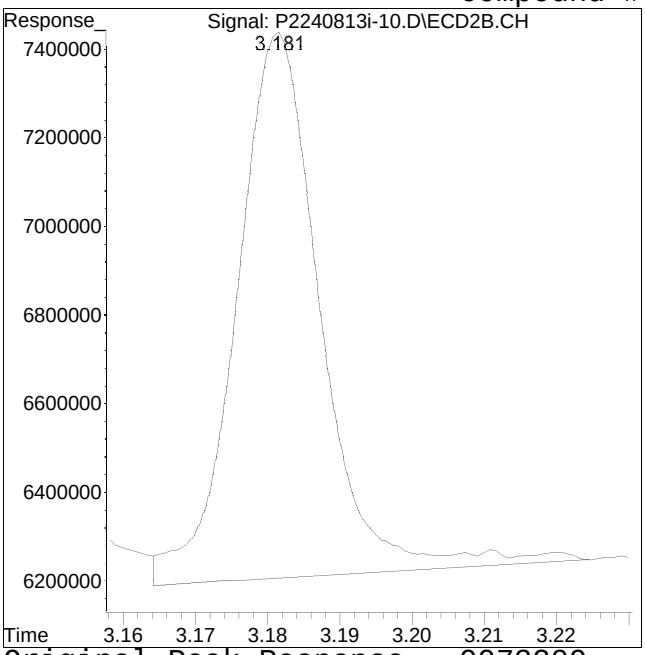


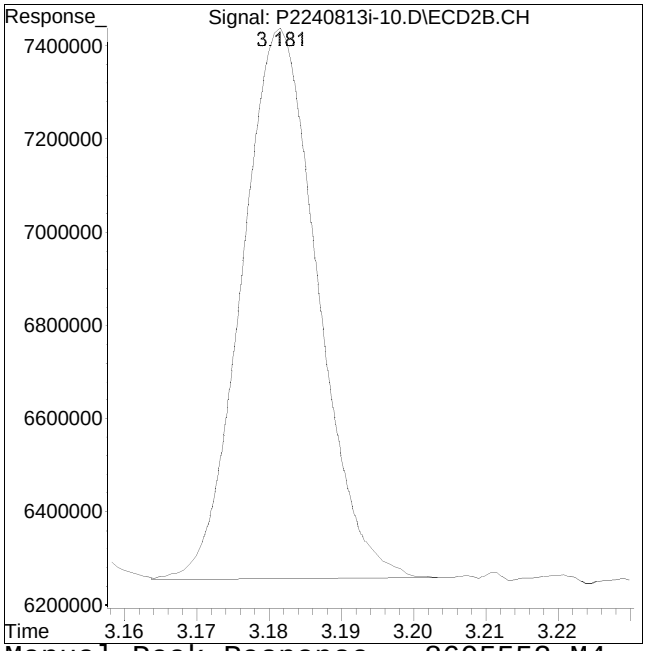
Original Peak Response = 11843270 Manual Peak Response = 8853630 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



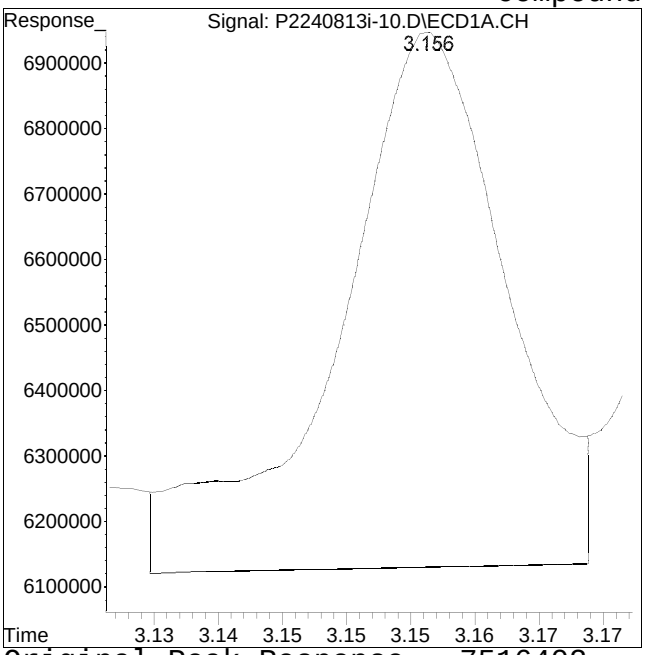


Original Peak Response = 9973209 Manual Peak Response = 8605552 M4
M4 = Poor automated baseline construction.

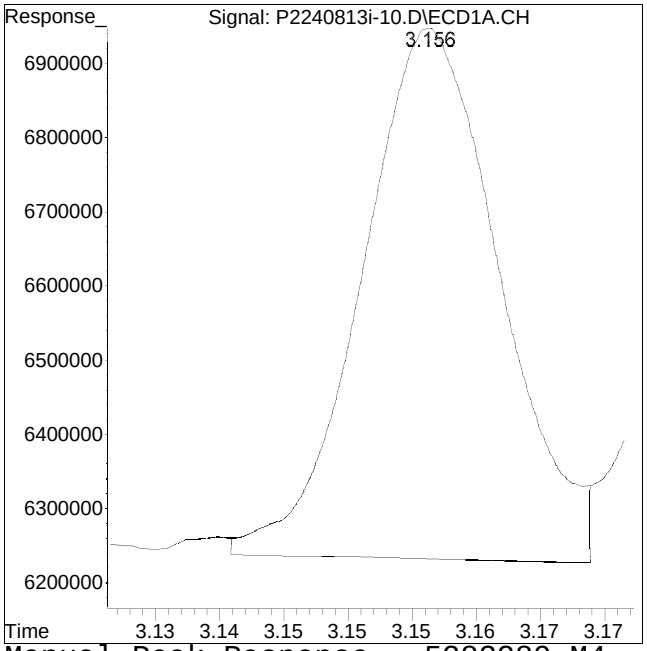
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



Original Peak Response = 7516402



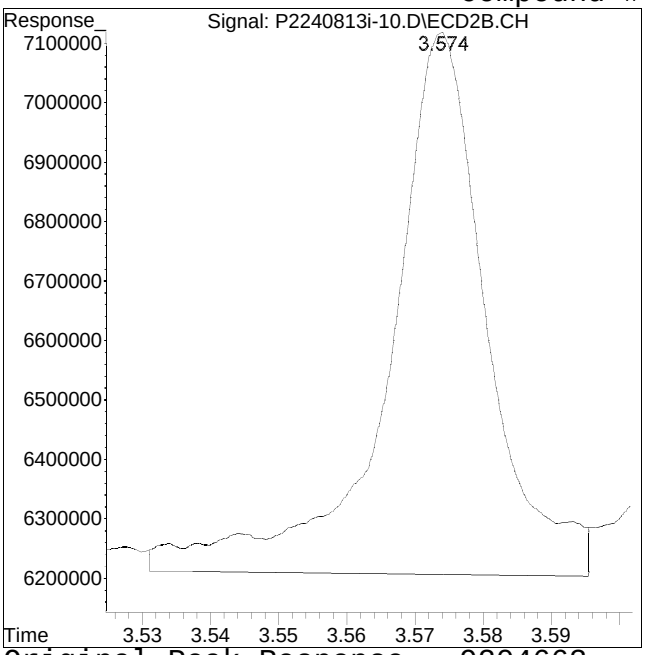
Manual Peak Response = 5283289 M4

M4 = Poor automated baseline construction.

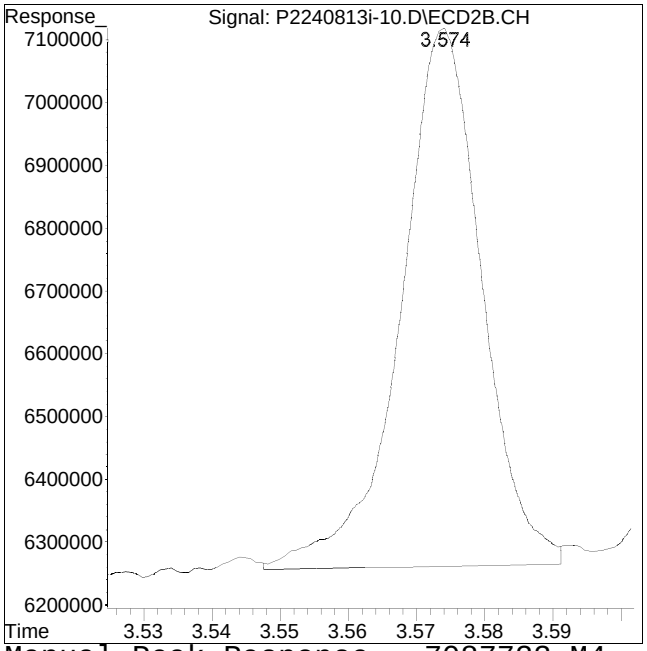
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



Original Peak Response = 9204663



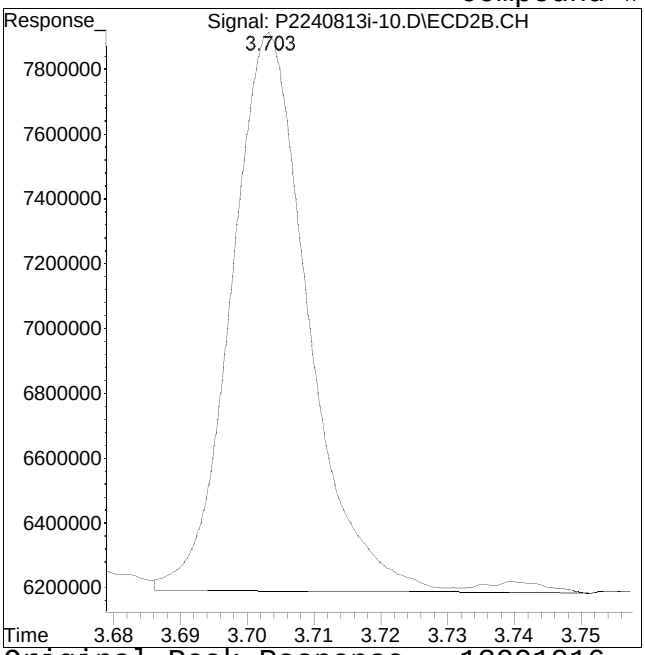
Manual Peak Response = 7087733 M4

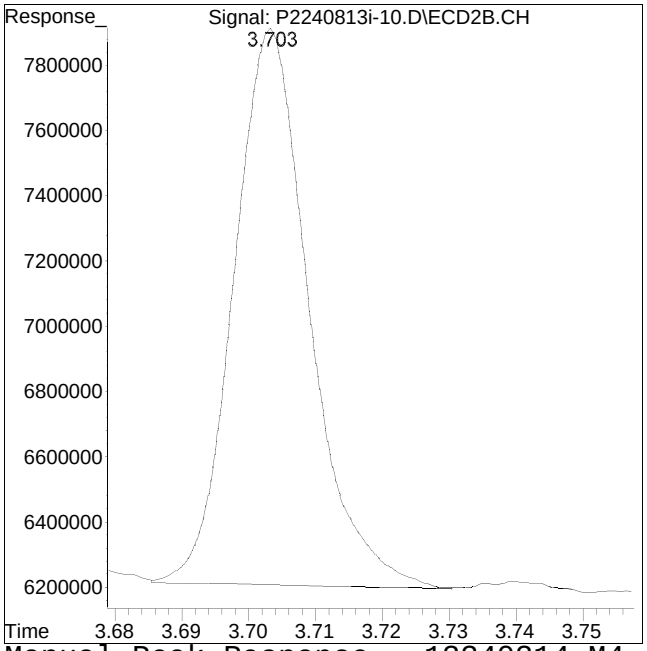
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



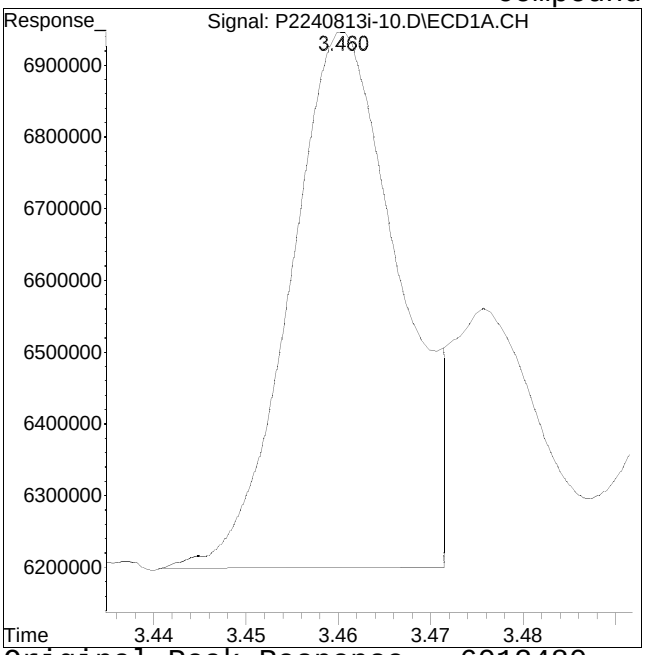


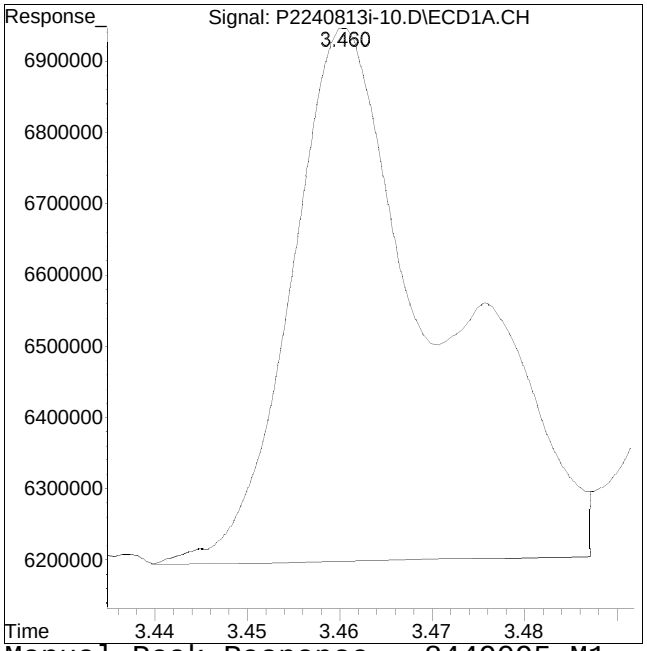
Original Peak Response = 13991916 Manual Peak Response = 13340314 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



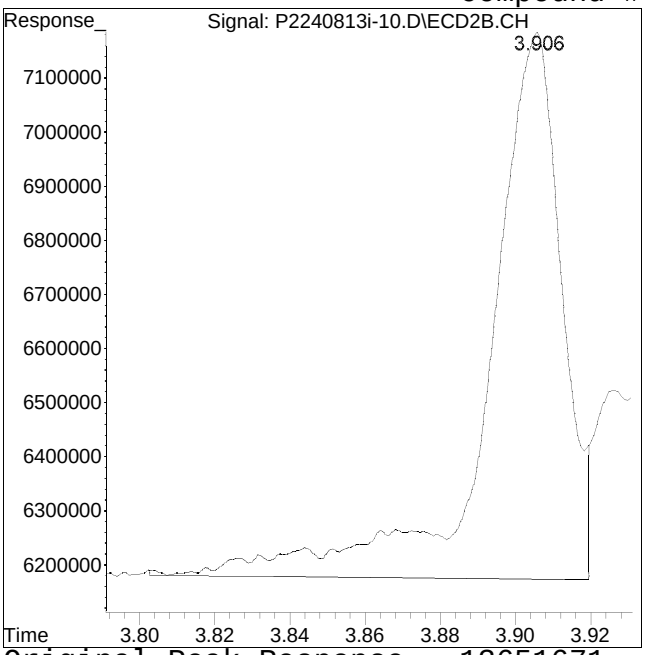


Original Peak Response = 6012480 Manual Peak Response = 8449095 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

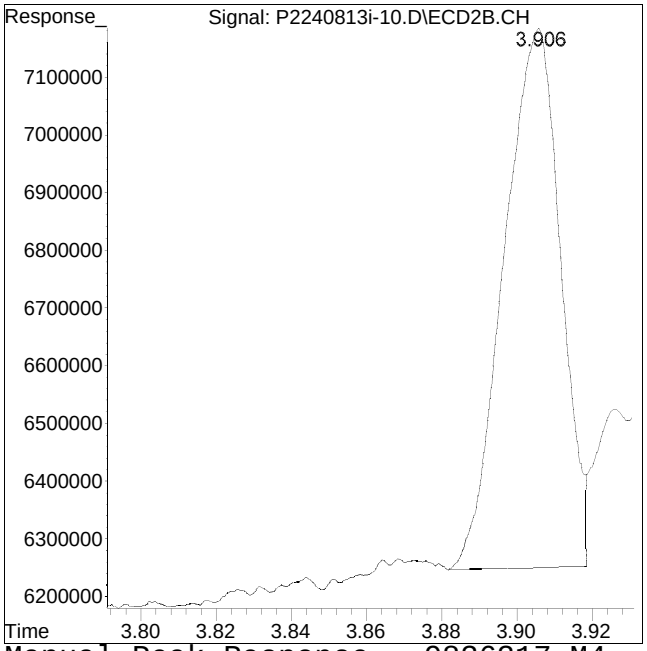
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 13651671



Manual Peak Response = 9836317 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	197.3E6	228.9E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	40918658	46176678	2.780	2.517M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		13.90%#	12.58%#
3) s	Decachlorobi	4.043	4.554	57952371	61761862	6.097M4	6.352
	Spiked Amount 20.000	Range 30 - 150		Recovery =		30.48%	31.76%
	Target Compounds						
4) l1	1016-1	1.613	1.828	11617933	12969900	28.406M4	14.080M4
5) l1	1016-2	1.754	1.998	23675684	29428313	50.255M3	9.782M4
6) l1	1016-3	1.942	2.199	47251364	55723000	43.603M4	25.606M4
7) l1	1016-4	1.997	2.259	20003545	23000070	35.469M3	15.912M4
8) l1	1016-5	2.166	2.470	22998824	17134483	14.334M4	18.103M4
	Sum 1016-1			125.5E6	138.3E6	172.068	83.483 D
	Average 1016-1					34.414	16.697 D
9) l2	1260-1	2.710	3.080	29494699	32394455	34.466M4	30.536M4
10) l2	1260-2	2.840	3.182	44992913	41031690	34.825M4	24.449M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	26384886	33210095	37.579M4	25.534M4
12) l2	1260-4	3.312	3.703	58728894	66380573	52.344M4	45.819M4
13) l2	1260-5	3.460	3.905	42467933	48728877	60.469M4	22.466M4
Sum	1260-1			202.1E6	221.7E6	NoCal	NoCal D
Average	1260-1					43.937	29.761
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

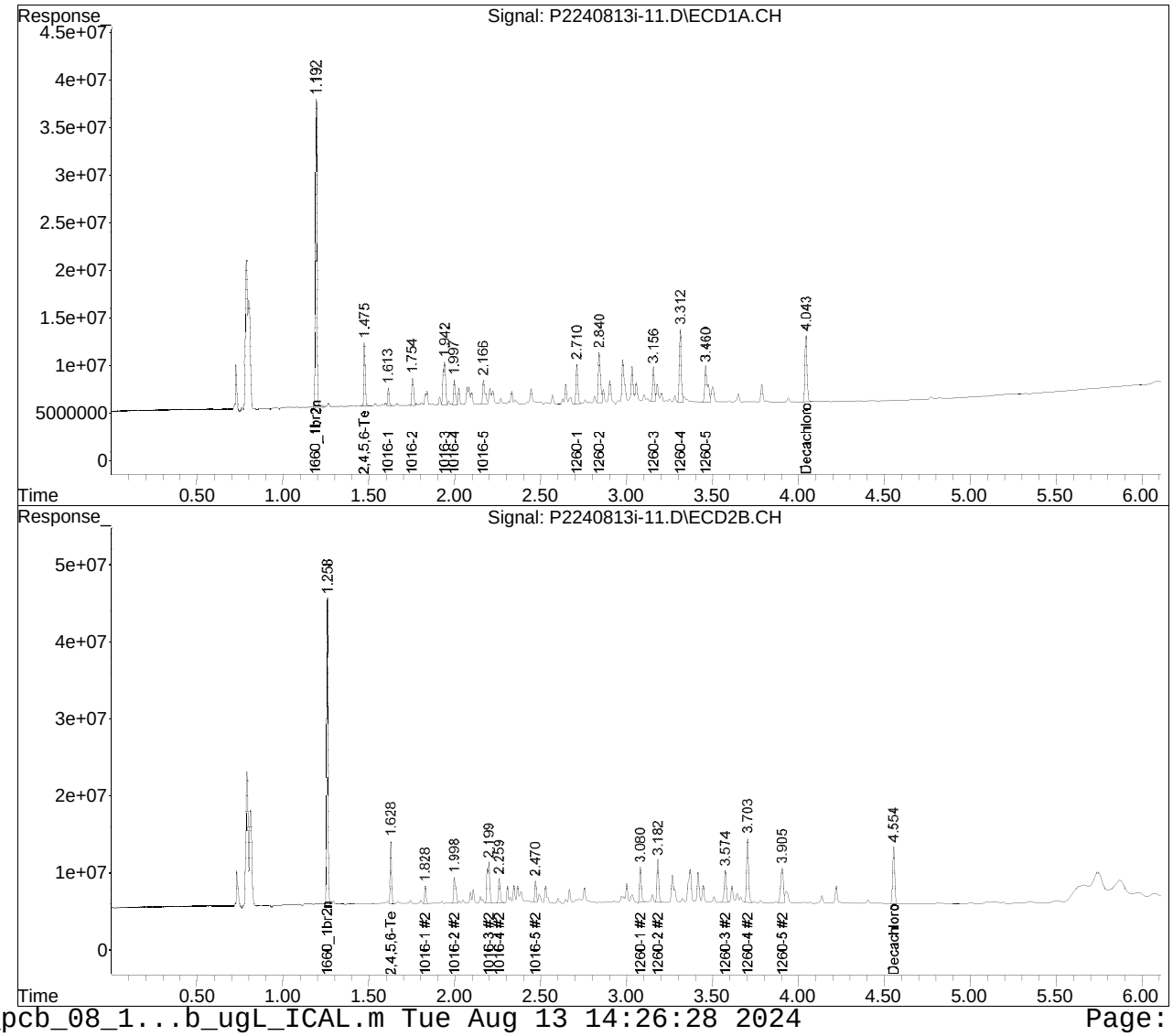
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

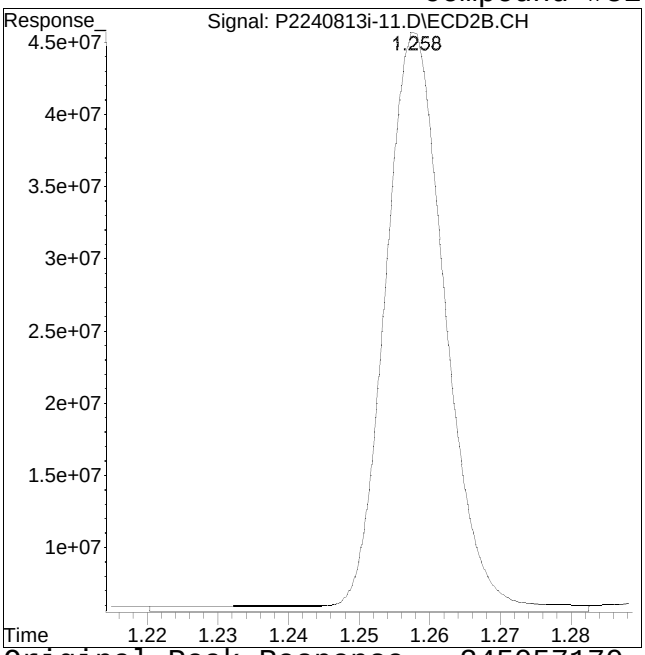
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



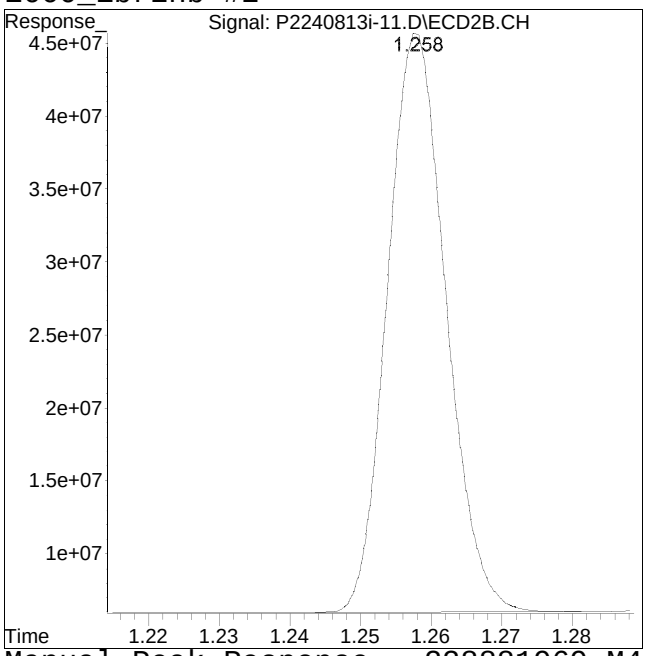
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 245057170



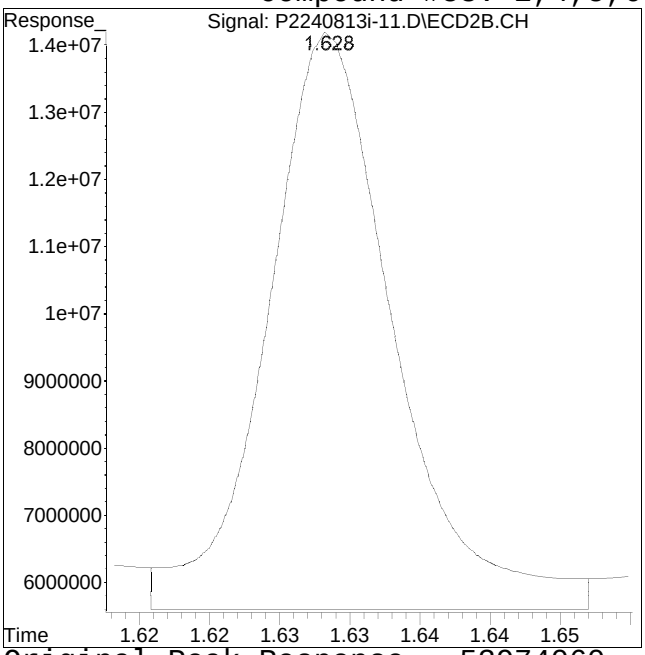
Manual Peak Response = 228881969 M4

M4 = Poor automated baseline construction.

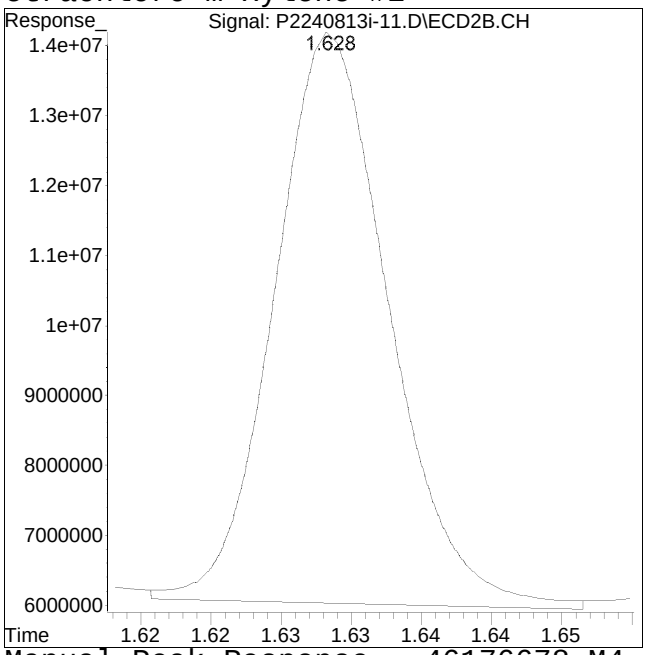
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 53974060



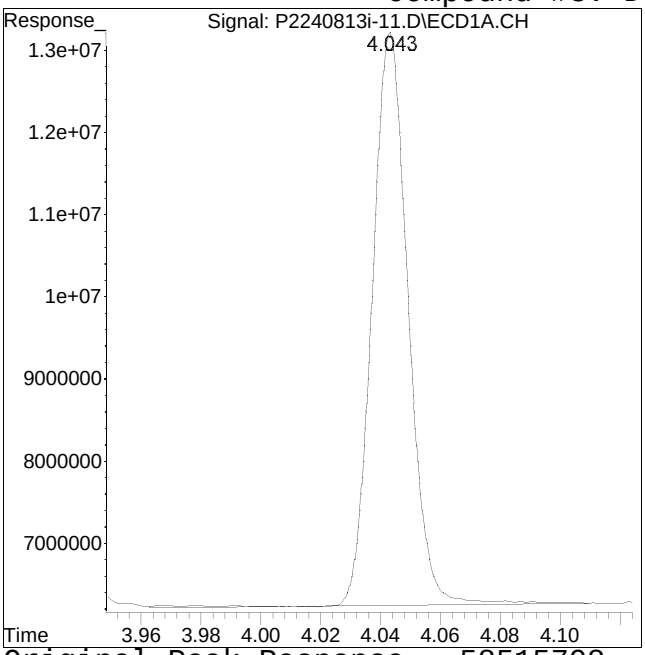
Manual Peak Response = 46176678 M4

M4 = Poor automated baseline construction.

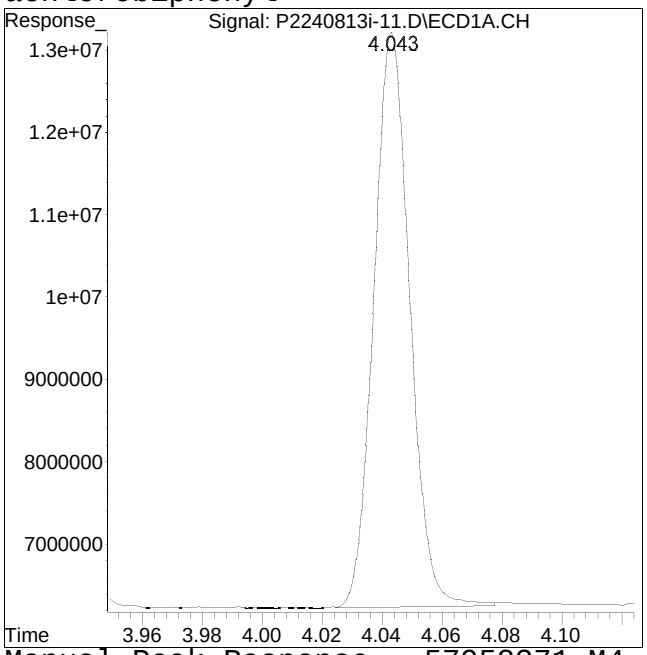
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 58515798



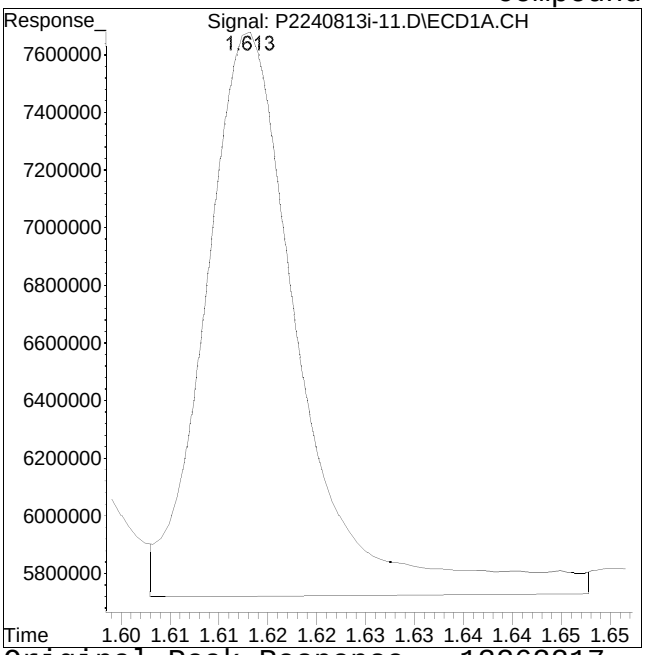
Manual Peak Response = 57952371 M4

M4 = Poor automated baseline construction.

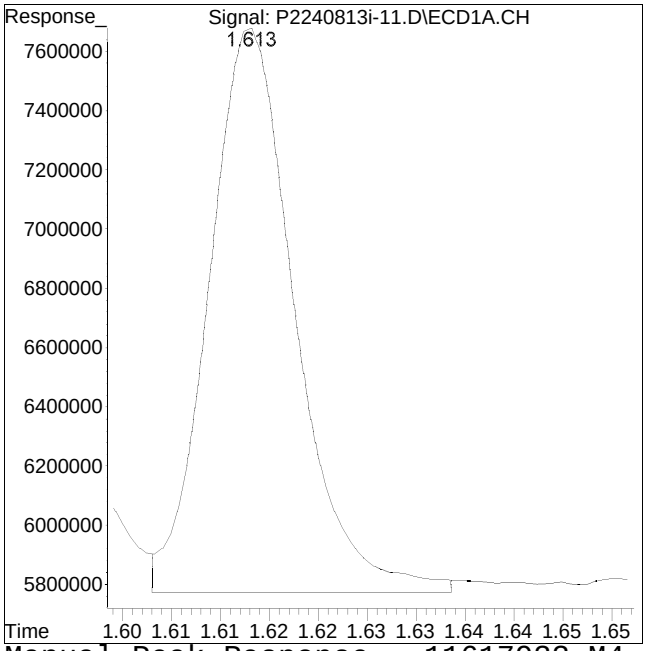
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



Original Peak Response = 13262217



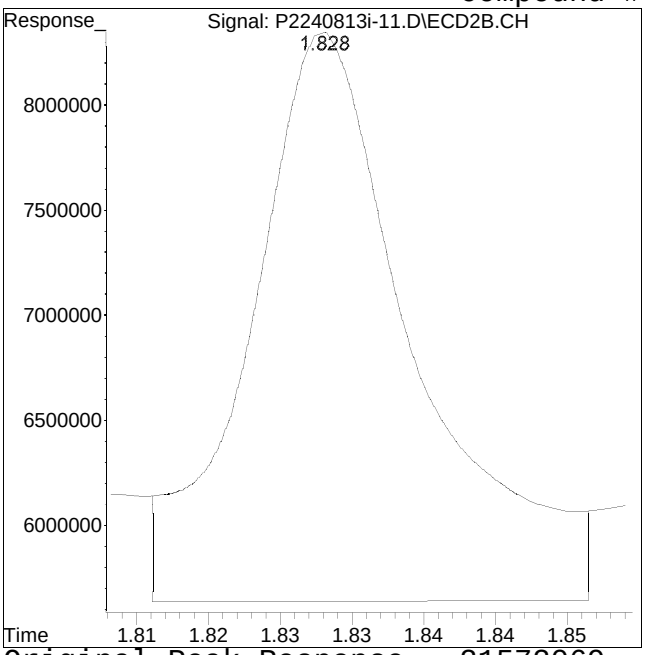
Manual Peak Response = 11617933 M4

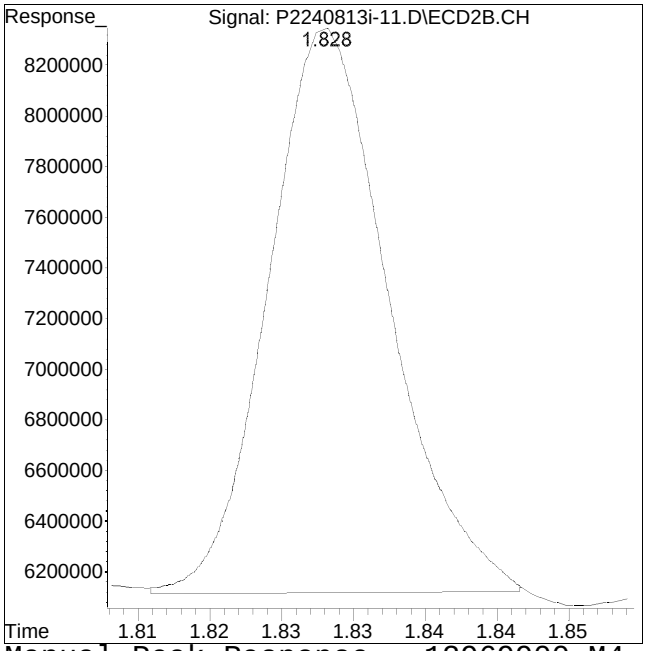
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



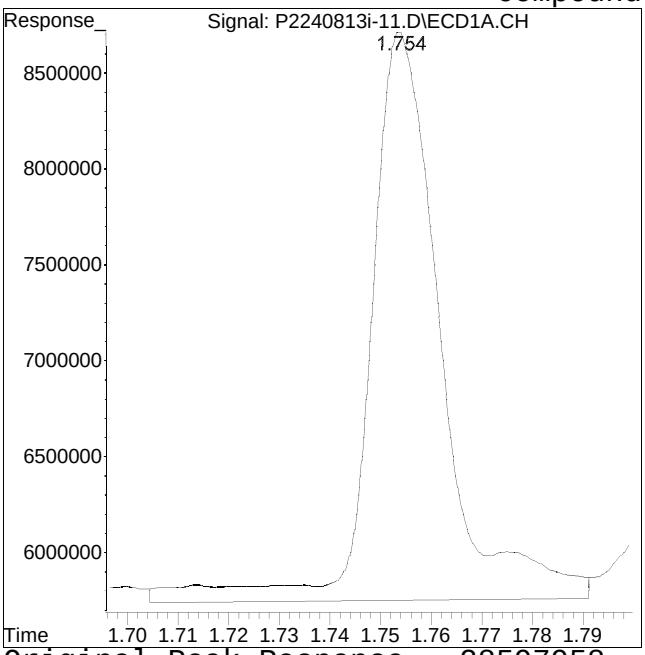


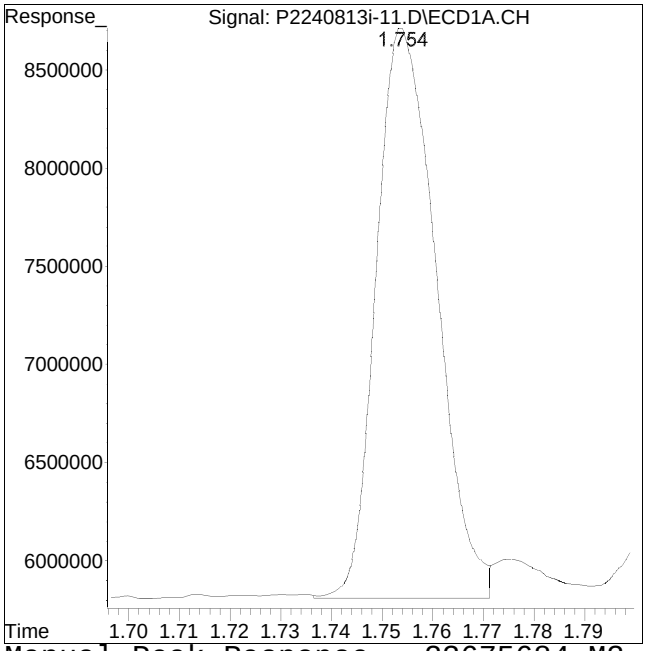
Original Peak Response = 21572069 Manual Peak Response = 12969900 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



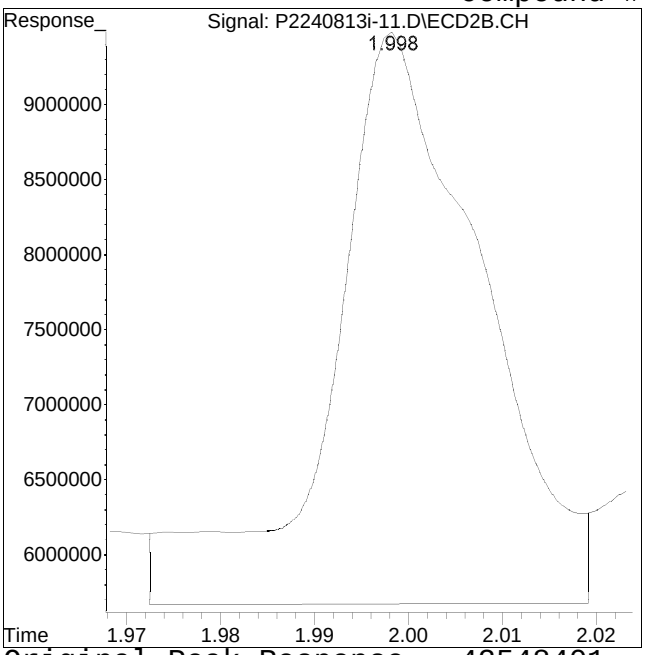


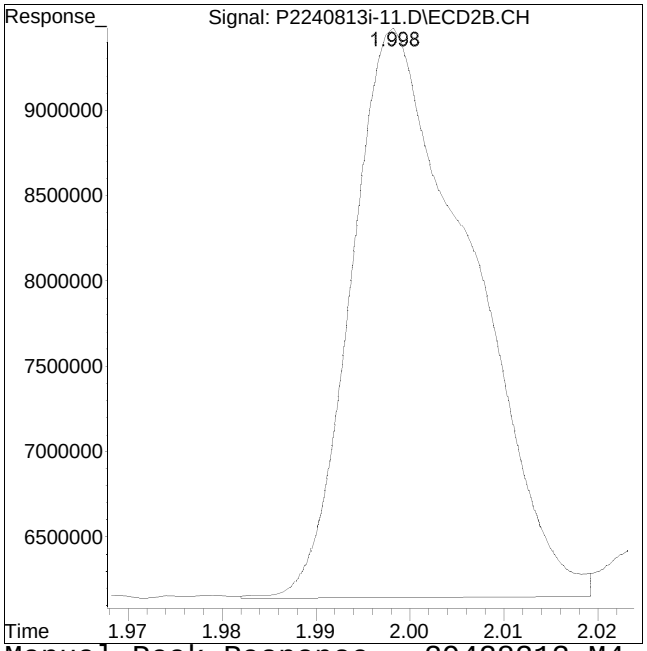
Original Peak Response = 28597958 Manual Peak Response = 23675684 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



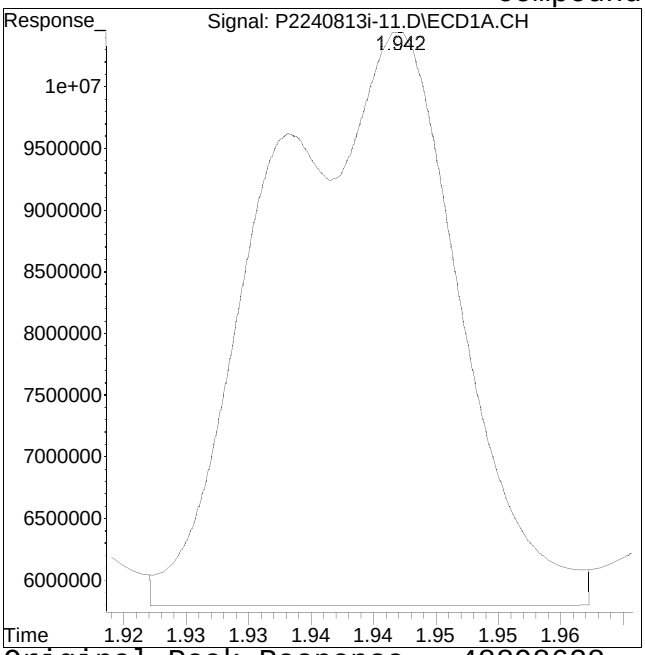


Original Peak Response = 42548401 Manual Peak Response = 29428313 M4
M4 = Poor automated baseline construction.

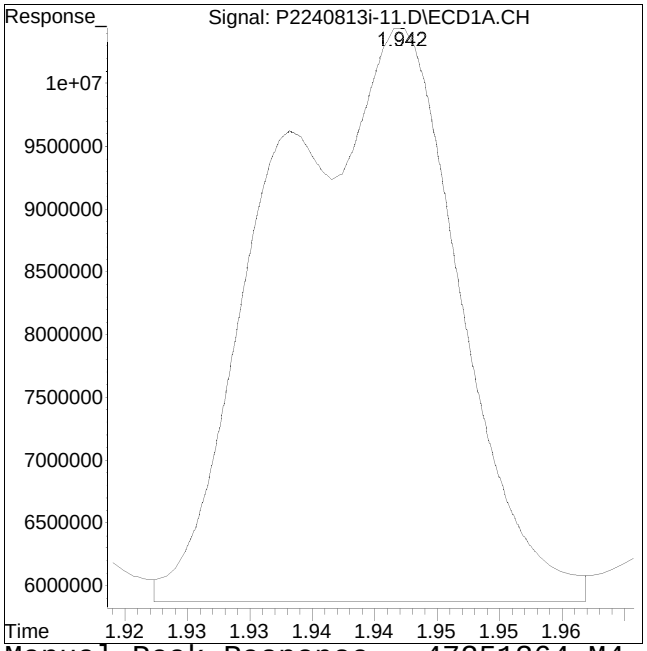
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



Original Peak Response = 48898628



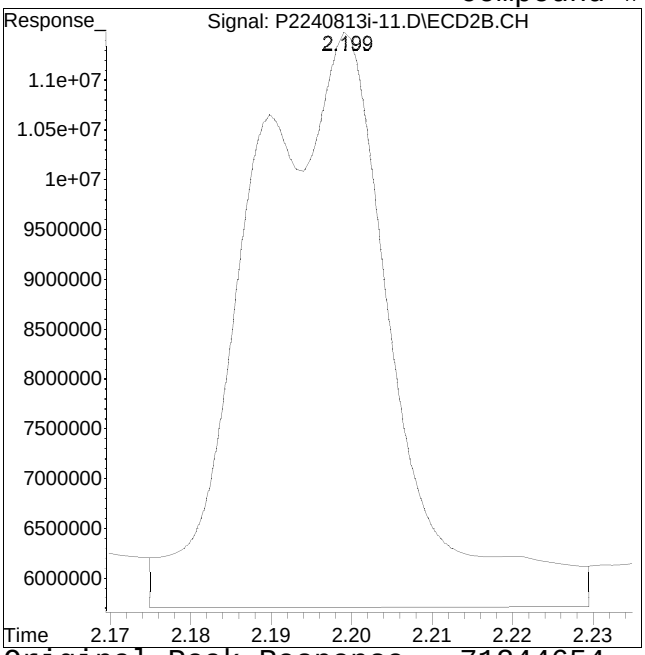
Manual Peak Response = 47251364 M4

M4 = Poor automated baseline construction.

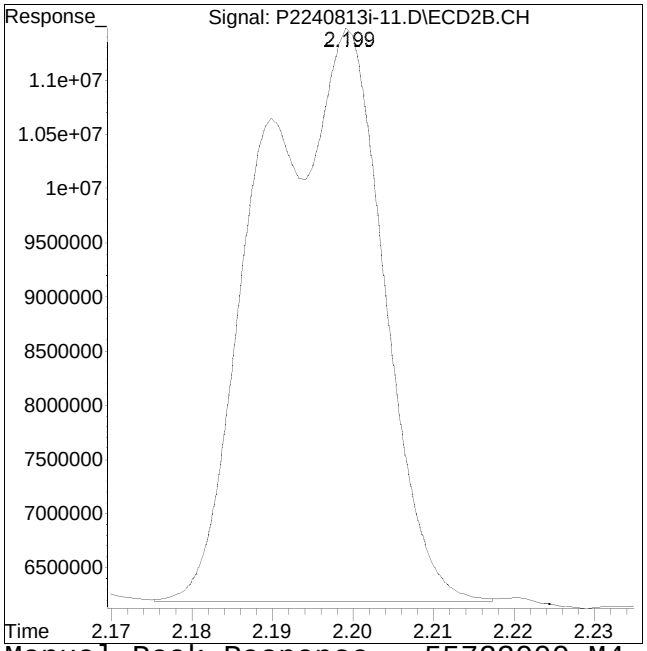
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



Original Peak Response = 71244654



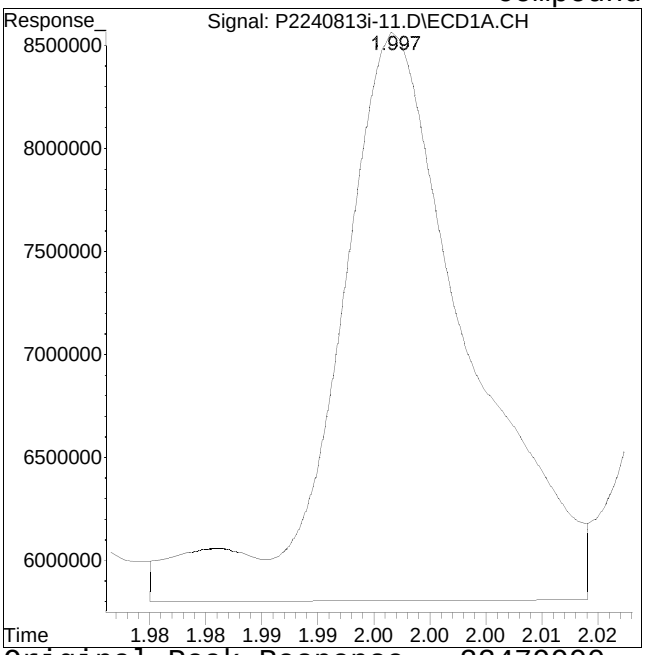
Manual Peak Response = 55723000 M4

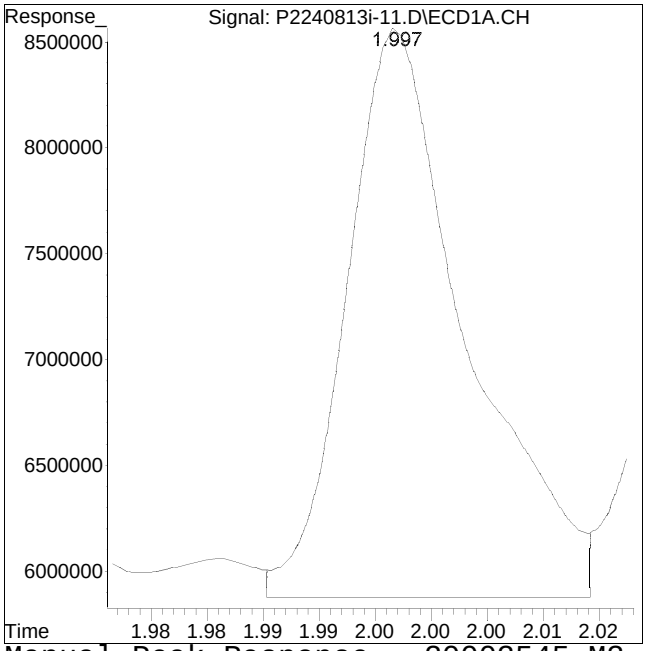
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



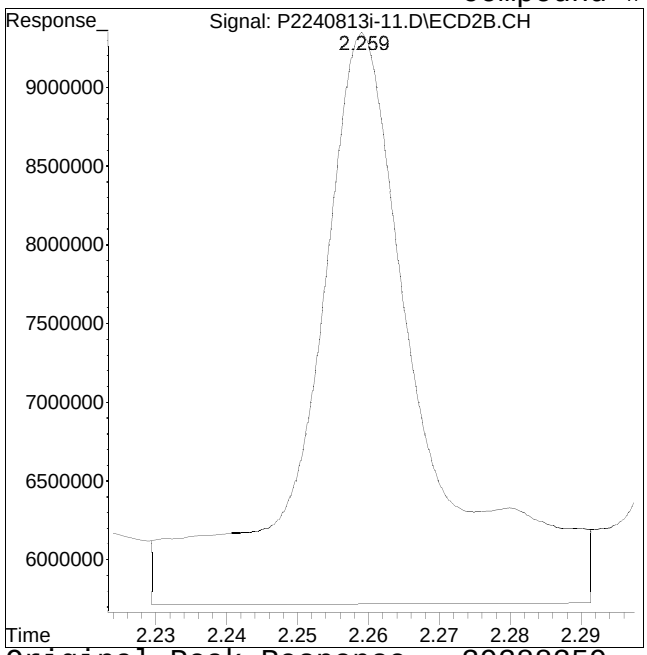


Original Peak Response = 22479990 Manual Peak Response = 20003545 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

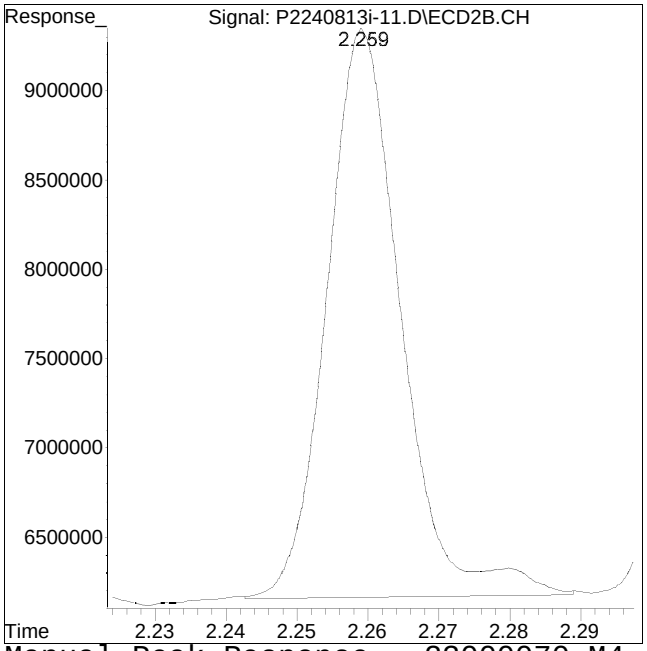
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



Original Peak Response = 39388359



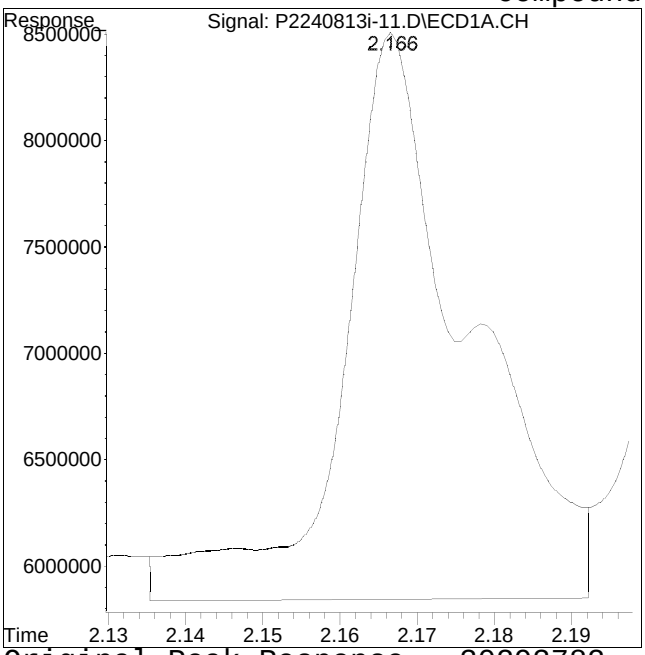
Manual Peak Response = 23000070 M4

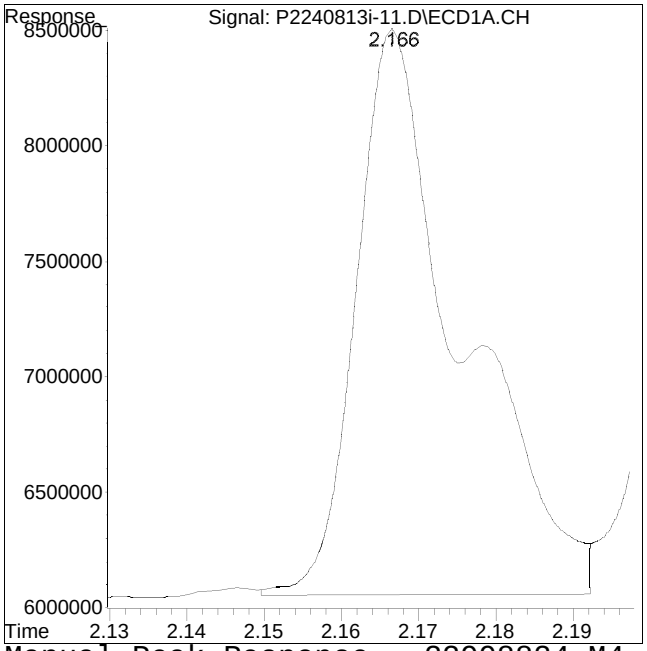
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



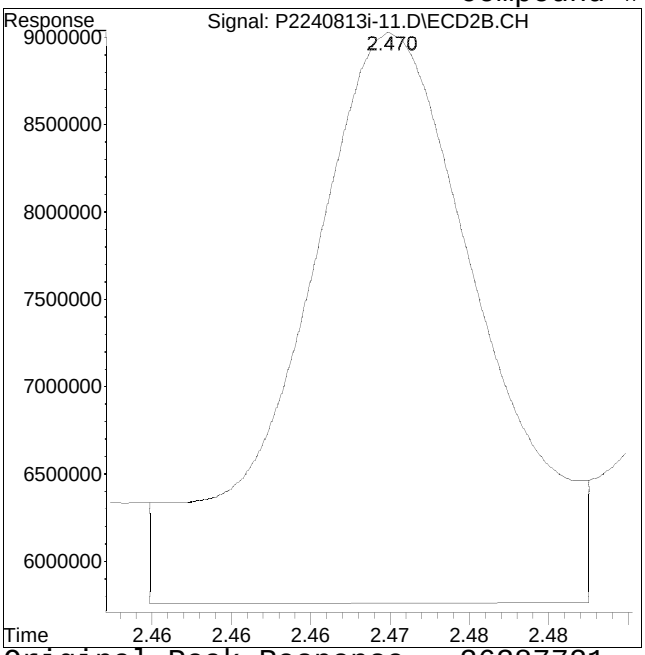


Original Peak Response = 30293782 Manual Peak Response = 22998824 M4
M4 = Poor automated baseline construction.

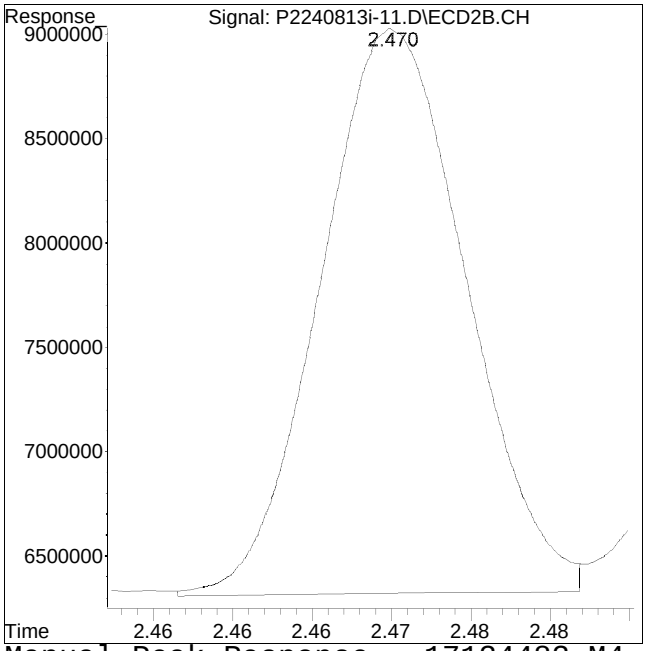
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



Original Peak Response = 26387721



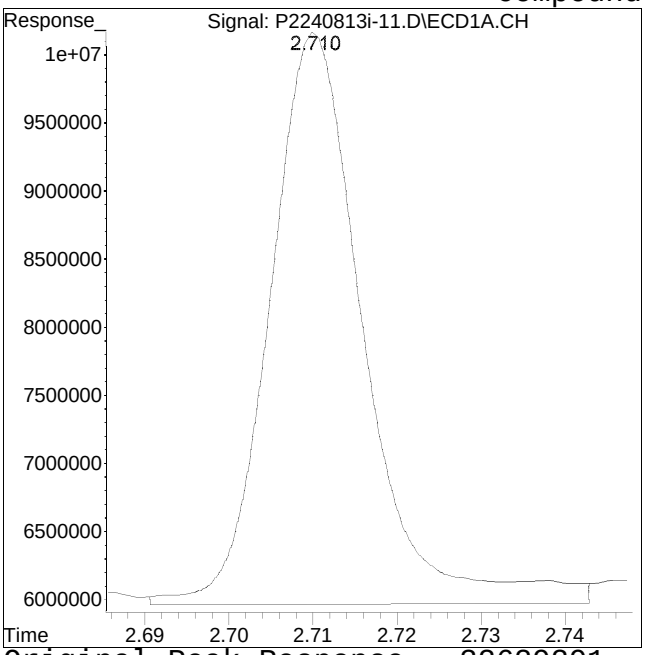
Manual Peak Response = 17134483 M4

M4 = Poor automated baseline construction.

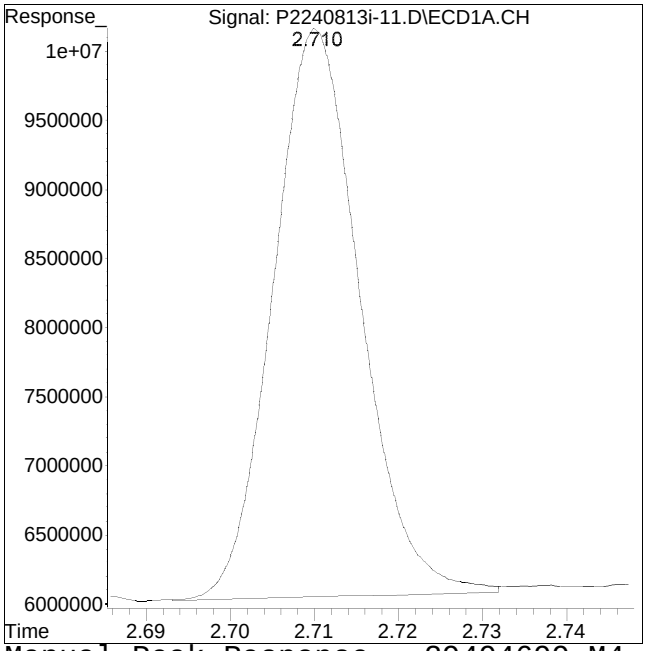
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



Original Peak Response = 32629291



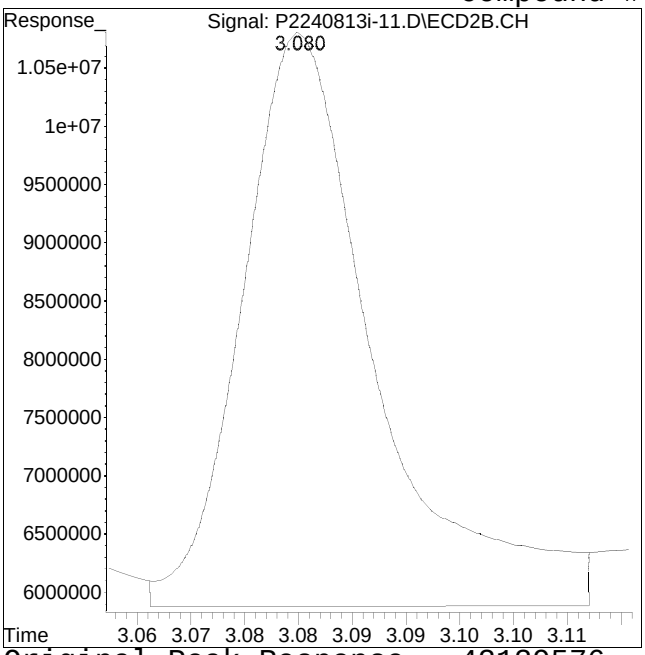
Manual Peak Response = 29494699 M4

M4 = Poor automated baseline construction.

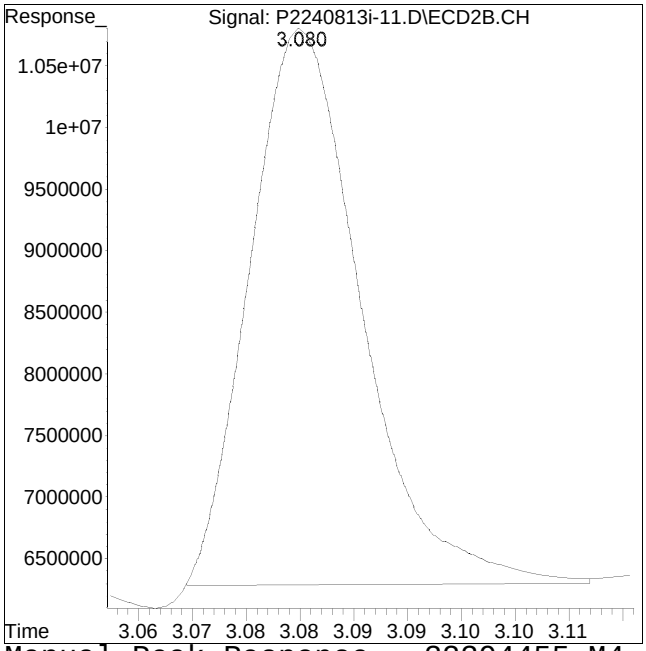
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



Original Peak Response = 42139576



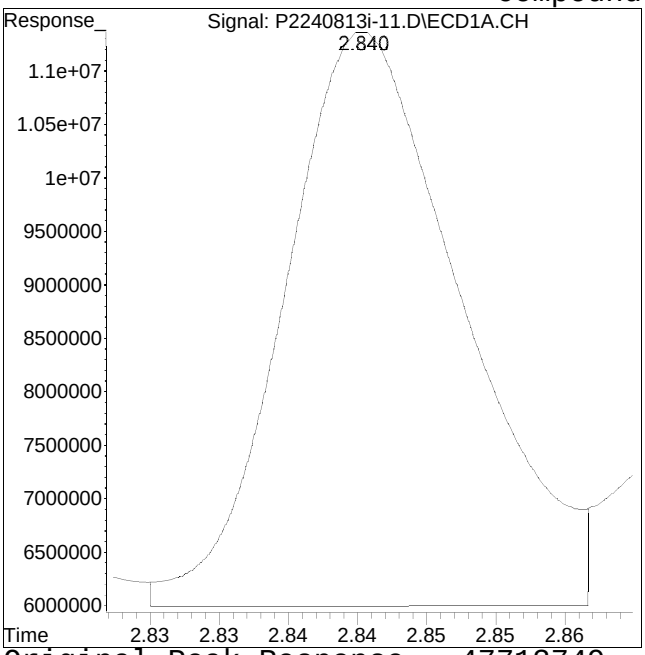
Manual Peak Response = 32394455 M4

M4 = Poor automated baseline construction.

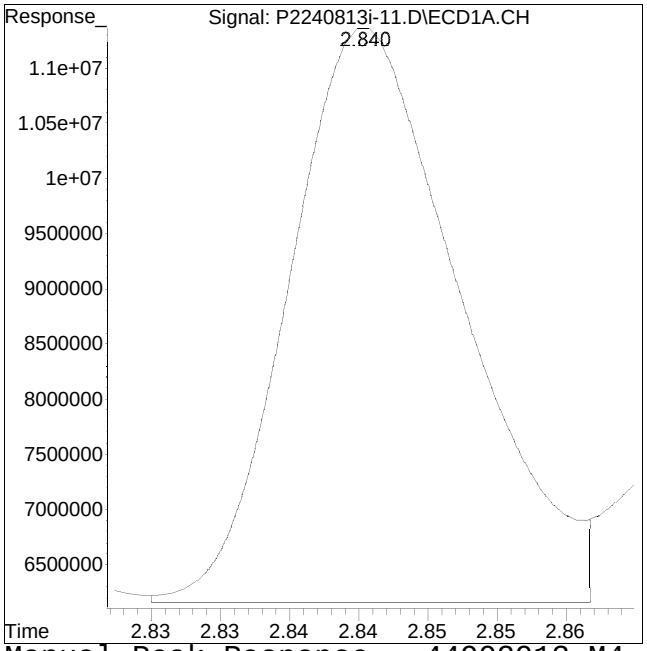
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



Original Peak Response = 47713749



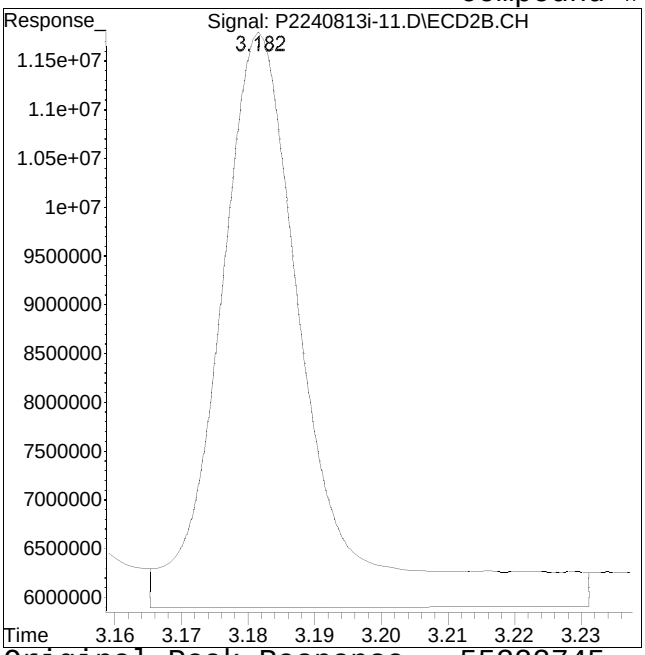
Manual Peak Response = 44992913 M4

M4 = Poor automated baseline construction.

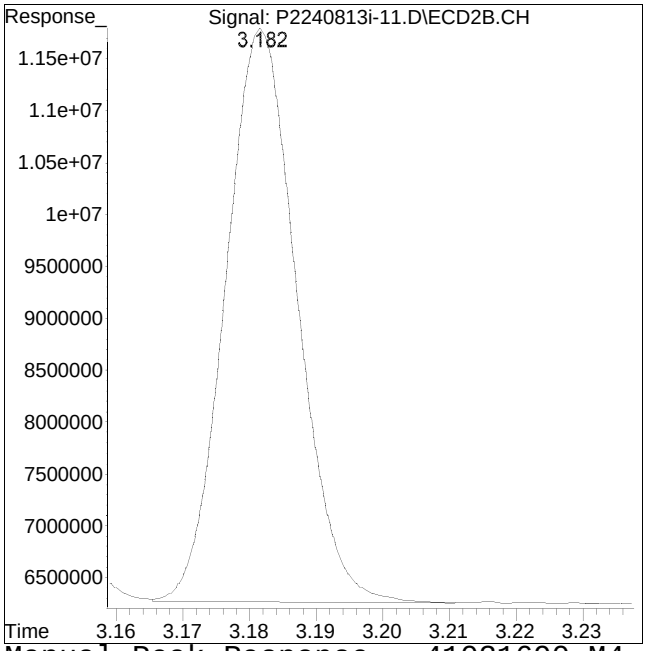
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



Original Peak Response = 55322745



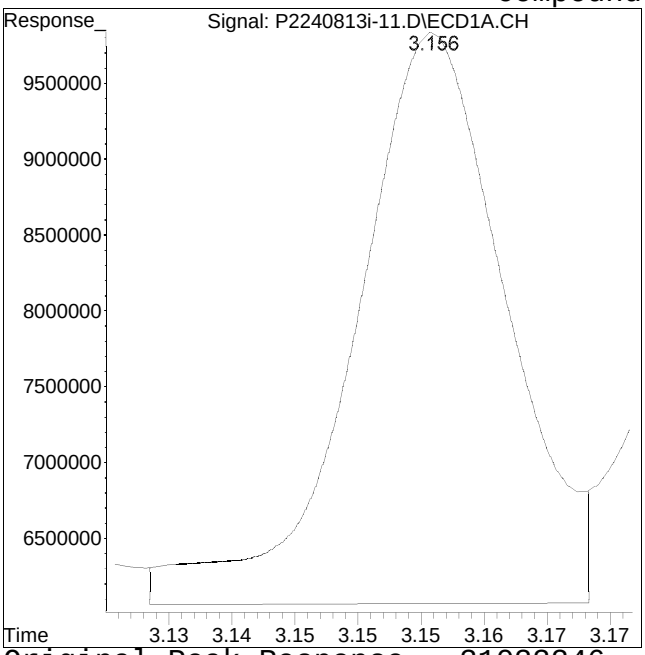
Manual Peak Response = 41031690 M4

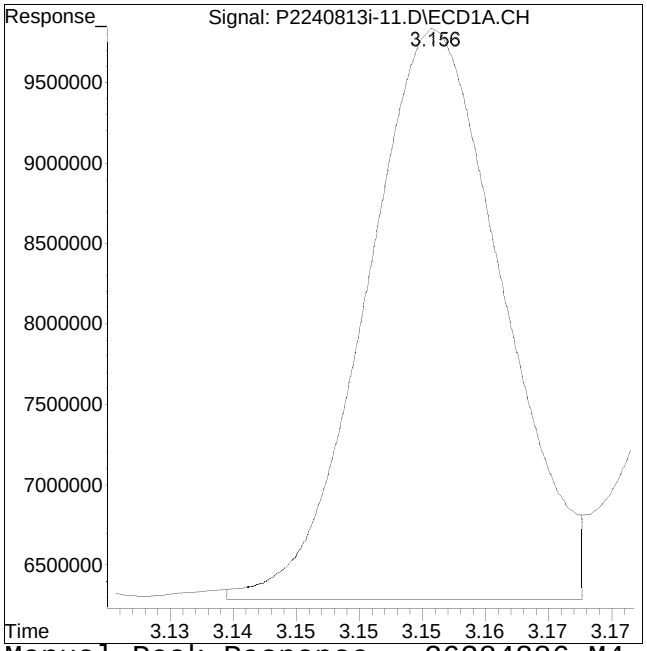
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



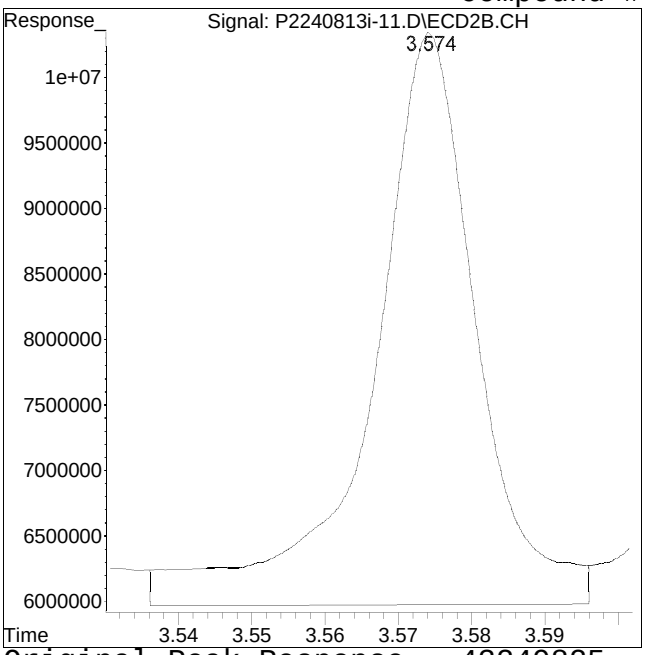


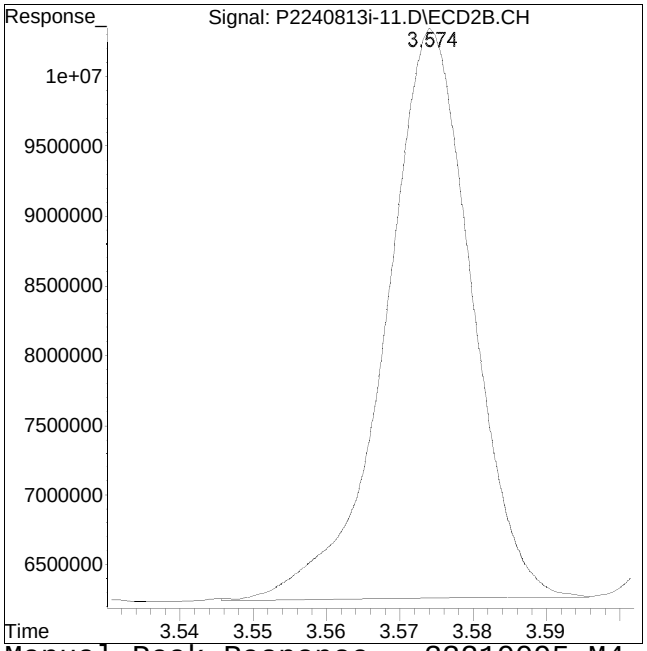
Original Peak Response = 31033246 Manual Peak Response = 26384886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



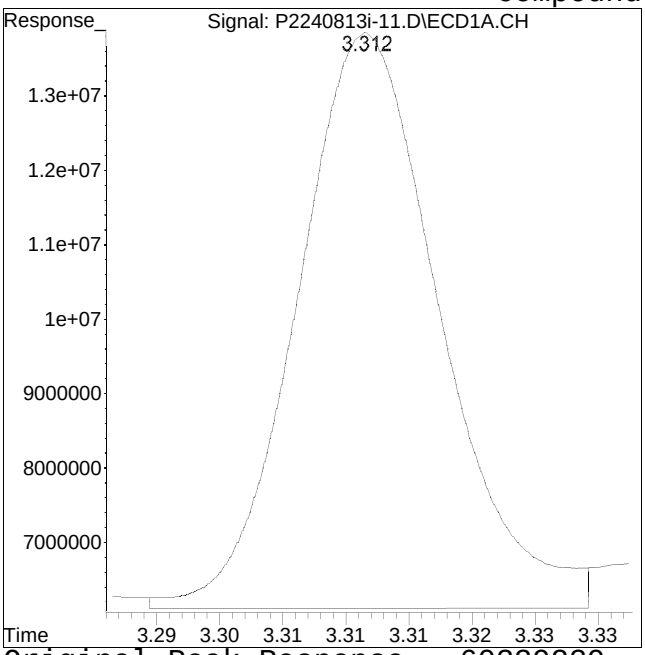


Original Peak Response = 43249825 Manual Peak Response = 33210095 M4
M4 = Poor automated baseline construction.

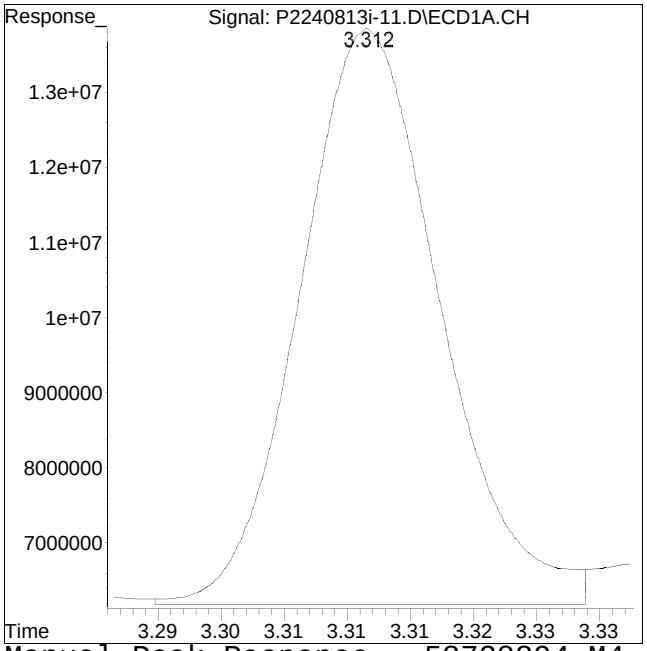
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



Original Peak Response = 60339239



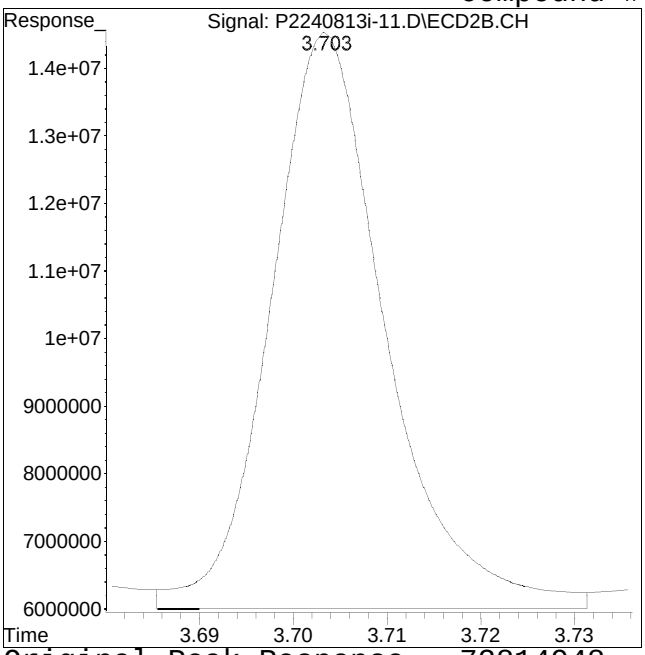
Manual Peak Response = 58728894 M4

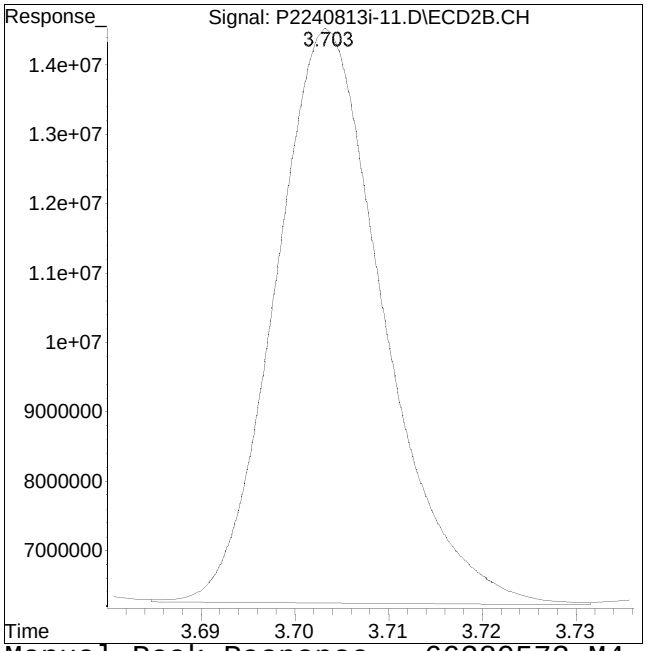
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



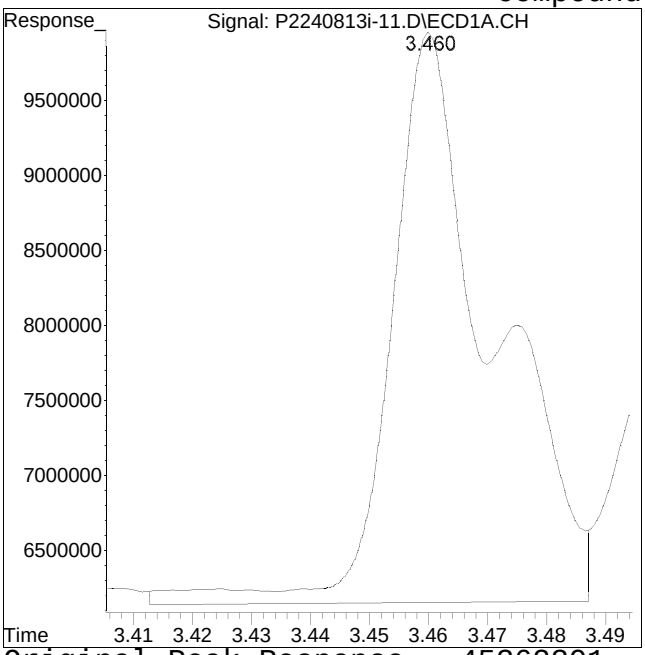


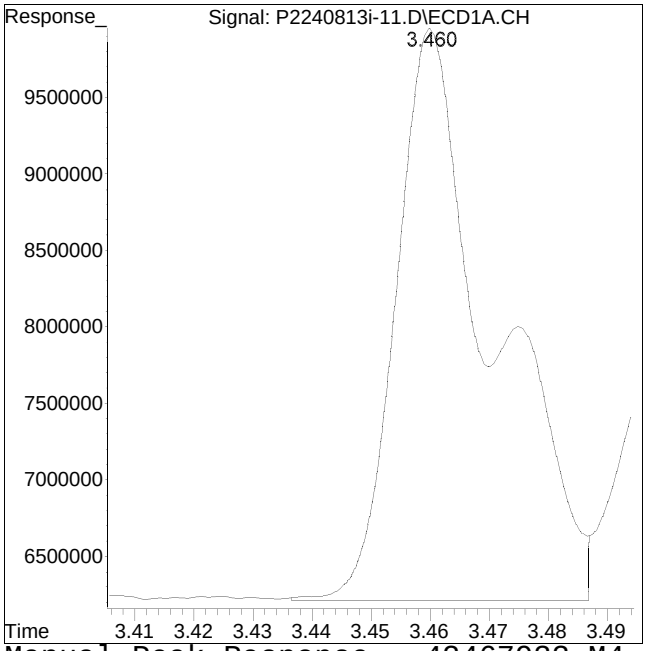
Original Peak Response = 72814948 Manual Peak Response = 66380573 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



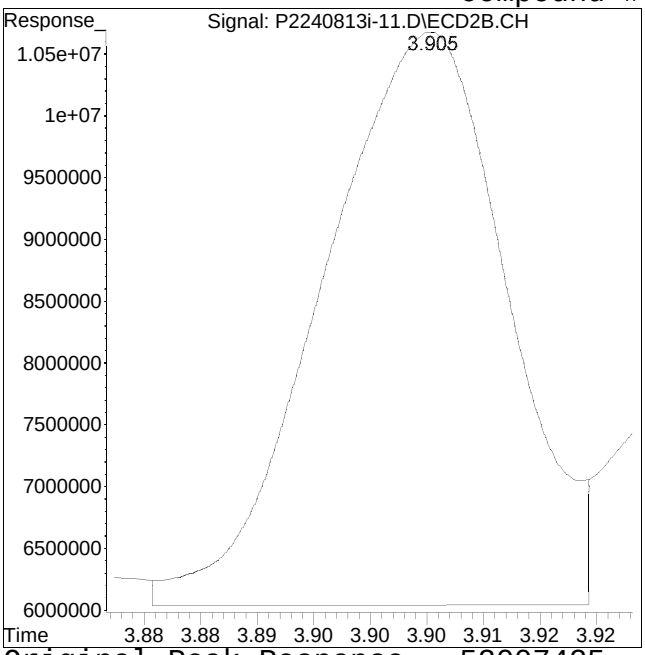


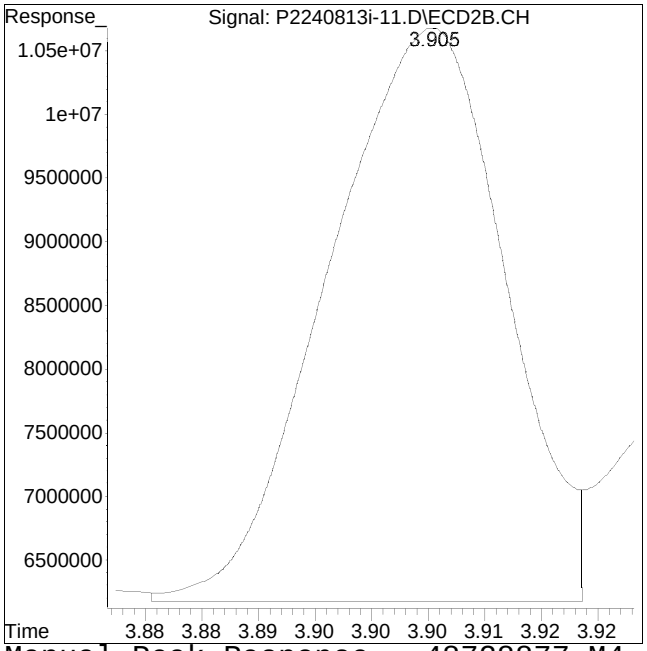
Original Peak Response = 45362391 Manual Peak Response = 42467933 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2





Original Peak Response = 52007425 Manual Peak Response = 48728877 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	188.2E6	226.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	76907336	86246209	5.728M4	4.990M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		28.64%#	24.95%#
3) s	Decachlorobi	4.044	4.553	116.1E6	118.5E6	12.965	12.636M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		64.83%	63.18%
	Target Compounds						
4) l1	1016-1	1.613	1.827	21502726	25984175	60.416M3	33.198M4
5) l1	1016-2	1.754	1.998	43589472	56604710	92.055M3	23.320M3
6) l1	1016-3	1.942	2.199	93701208	110.4E6	92.897M3	56.824M4
7) l1	1016-4	1.997	2.259	38716367	46612637	75.799M3	37.179M4
8) l1	1016-5	2.167	2.470	42872407	34992171	33.169M4	42.481M4
	Sum 1016-1			240.4E6	274.6E6	354.336	193.002 D
	Average 1016-1					70.867	38.600 D
9) l2	1260-1	2.710	3.080	60057176	64656695	78.202M4	65.893M4
10) l2	1260-2	2.840	3.181	88981440	81550496	77.237M3	54.370M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	53971643	66010591	82.979M4	56.703M4
12) l2	1260-4	3.312	3.703	114.4E6	126.5E6	104.874M3	89.652M4
13) l2	1260-5	3.460	3.905	84338410	95286846	117.314	51.546M4
Sum	1260-1			401.7E6	434.0E6	NoCal	NoCal D
Average	1260-1					92.121	63.633
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

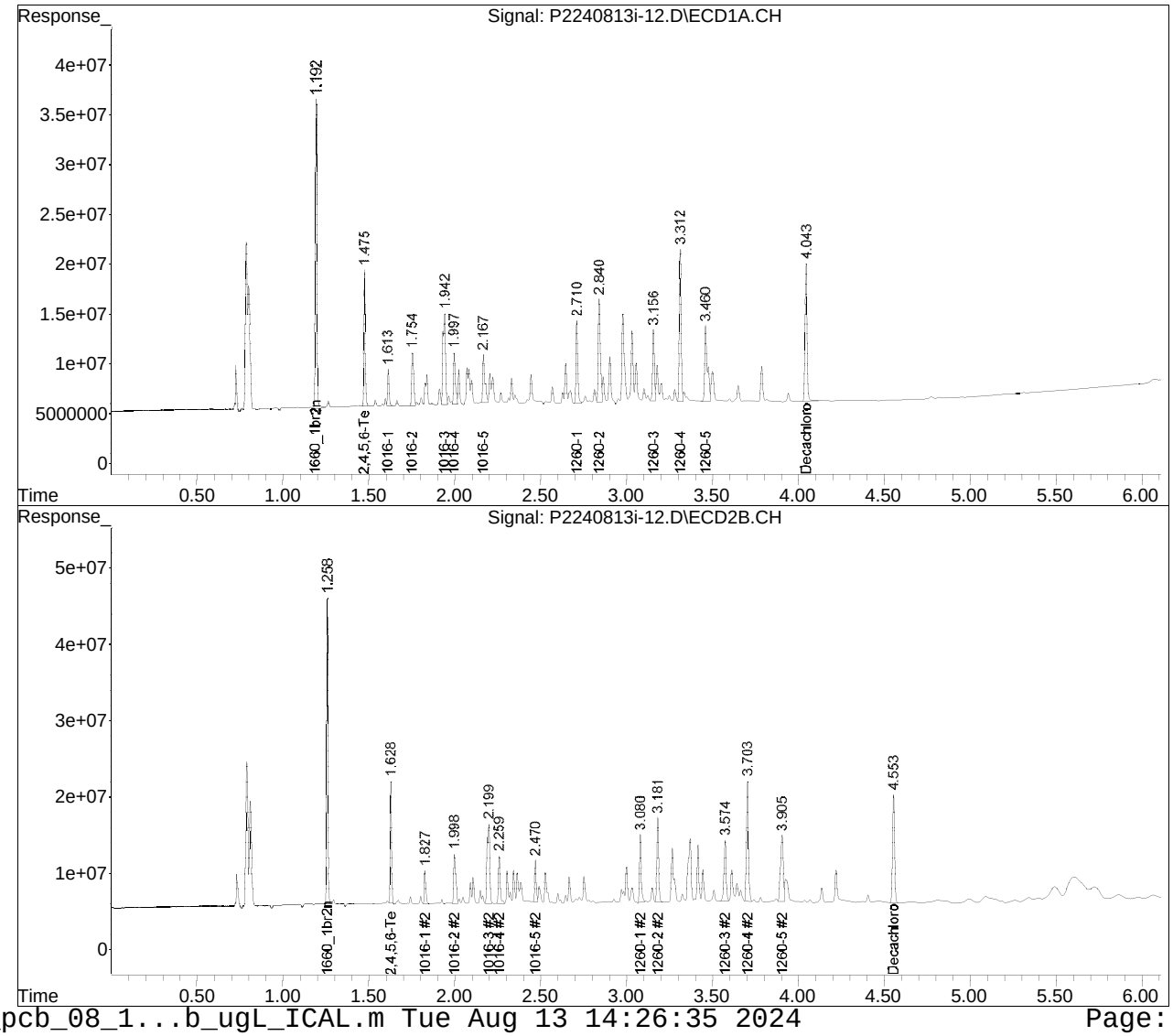
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

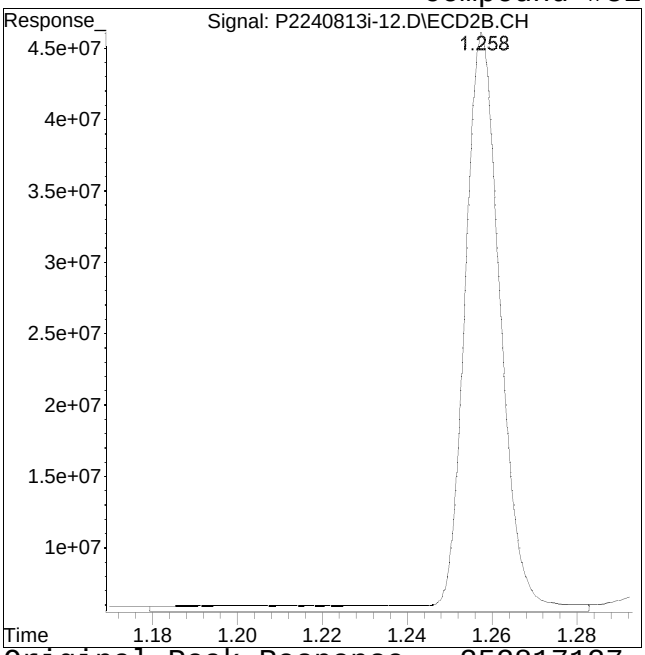
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



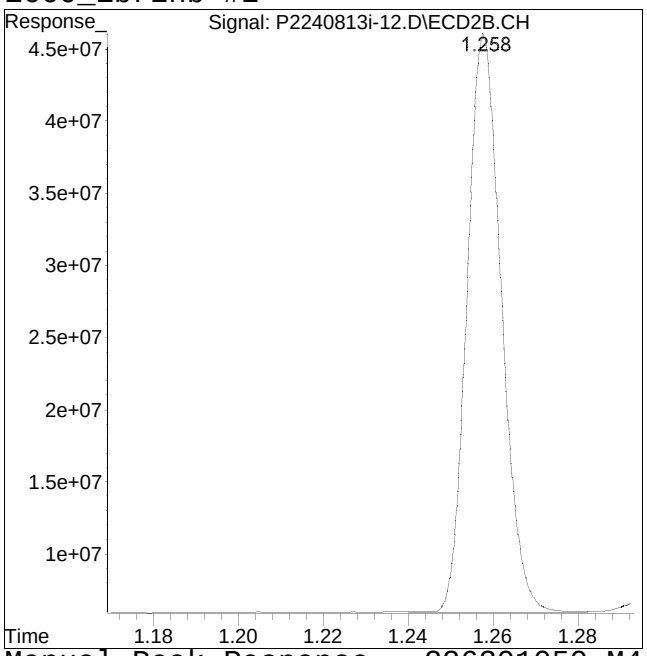
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 252817127



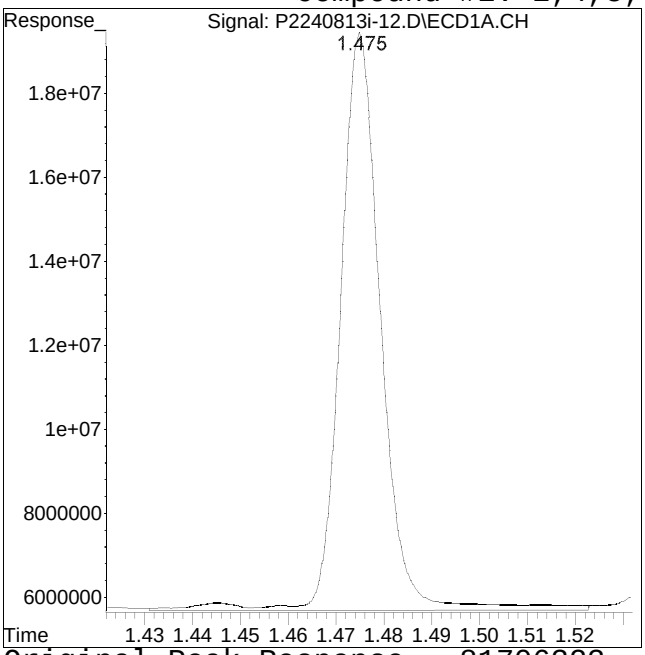
Manual Peak Response = 226301050 M4

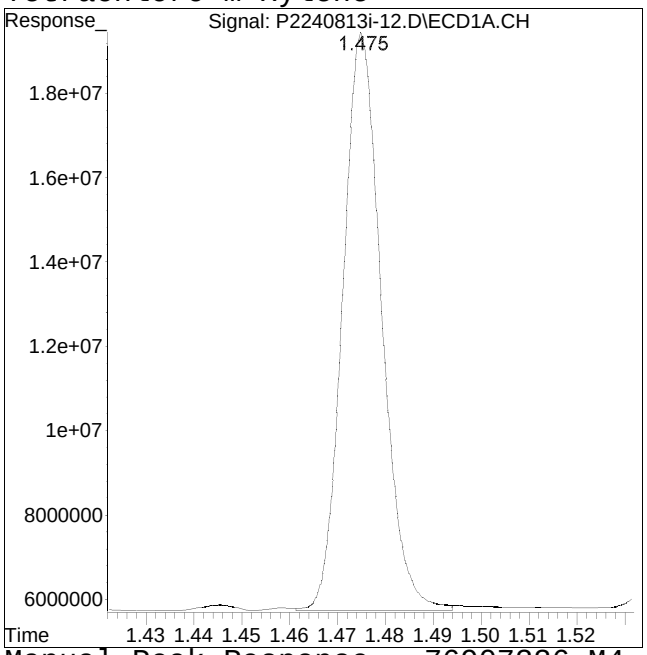
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



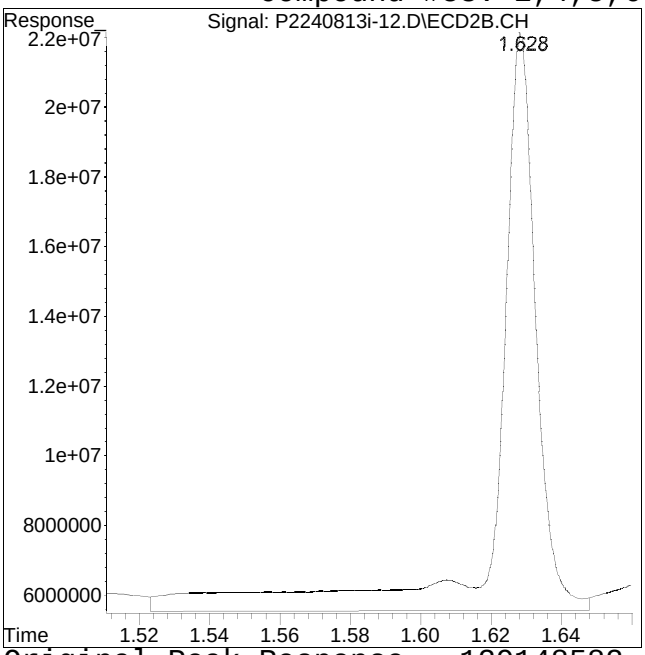


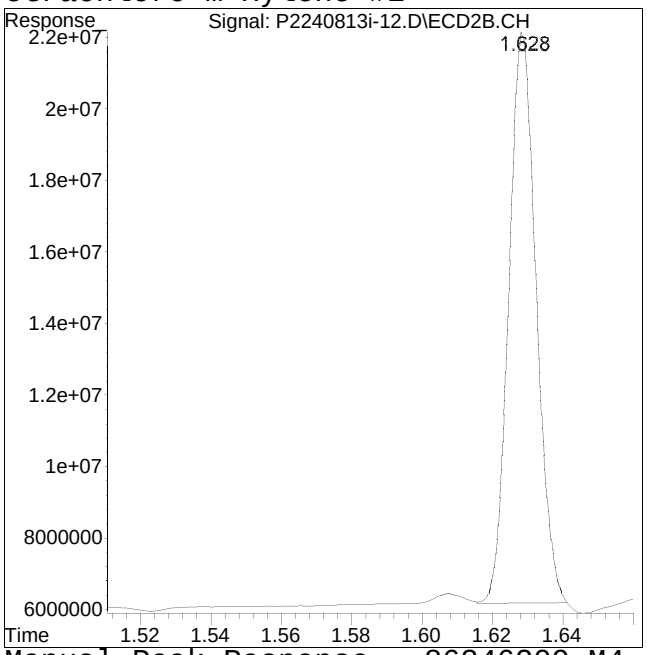
Original Peak Response = 81706323 Manual Peak Response = 76907336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



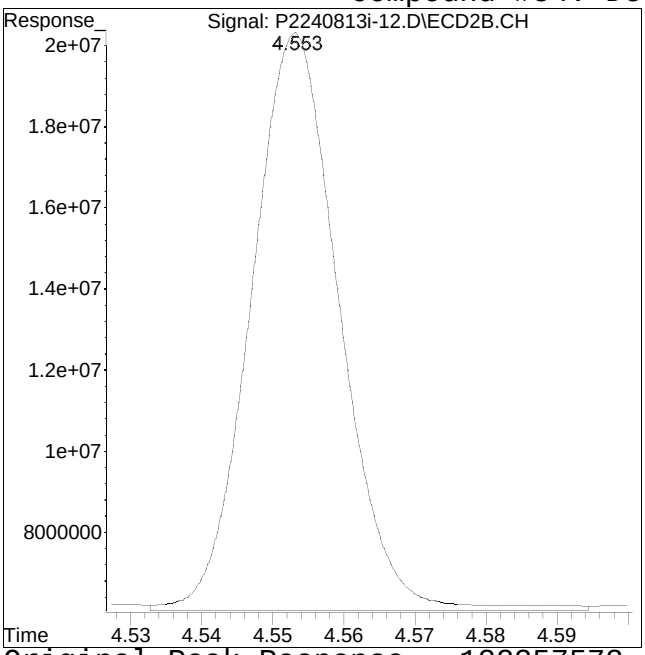


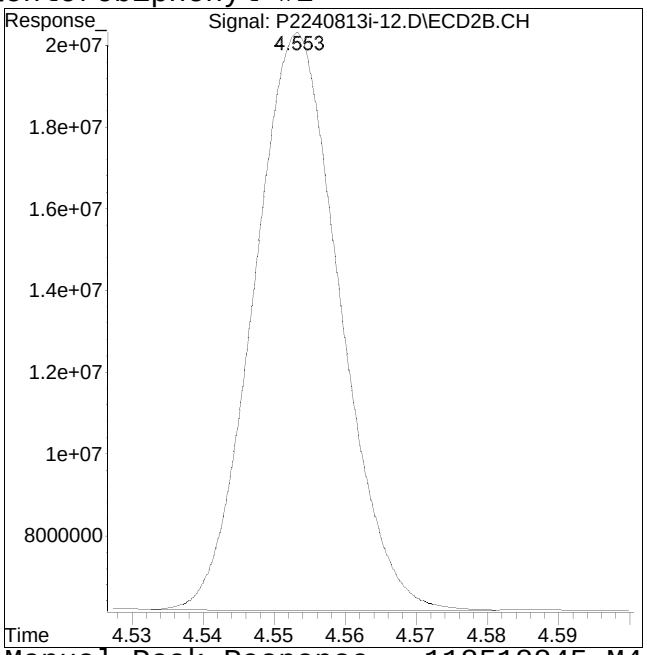
Original Peak Response = 129148582 Manual Peak Response = 86246209 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



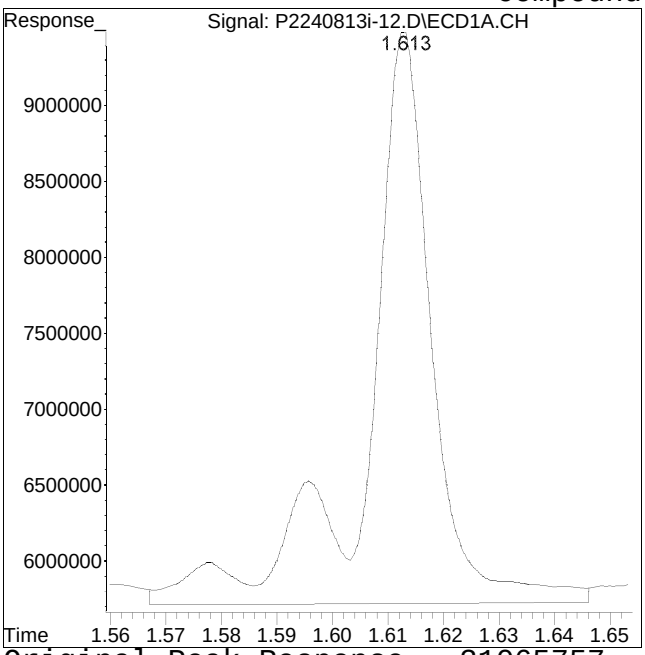


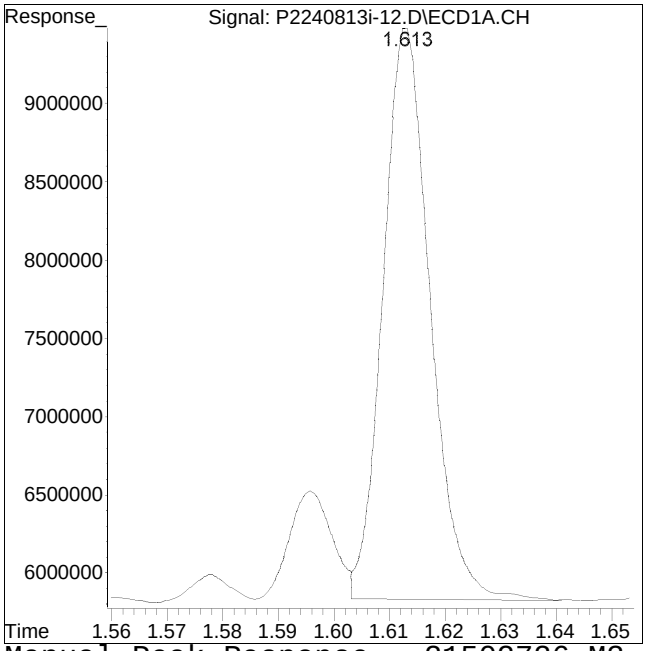
Original Peak Response = 122357573 Manual Peak Response = 118518845 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



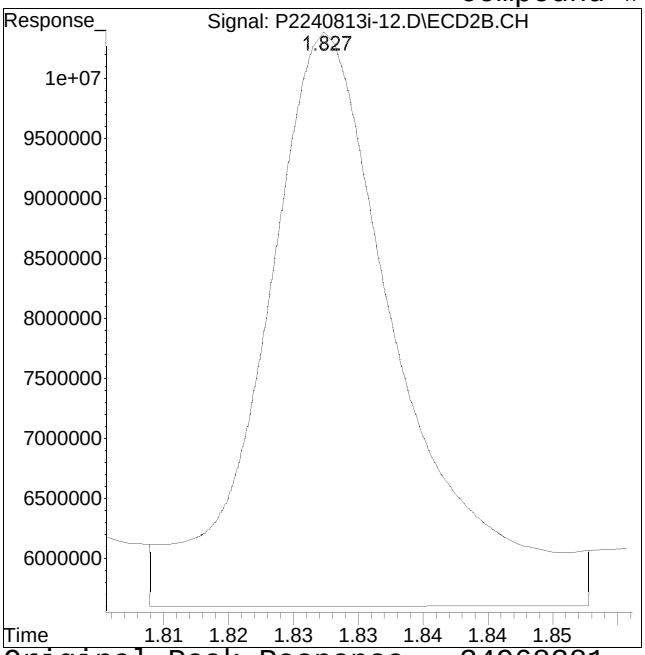


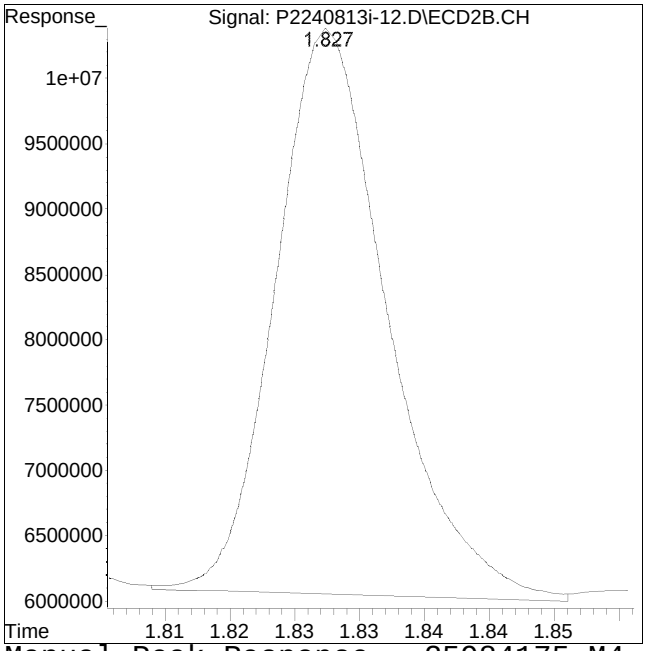
Original Peak Response = 31065757 Manual Peak Response = 21502726 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



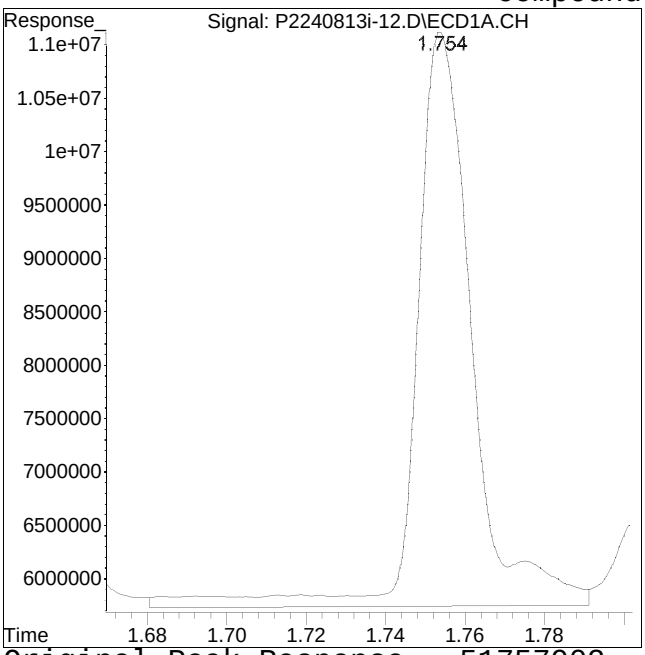


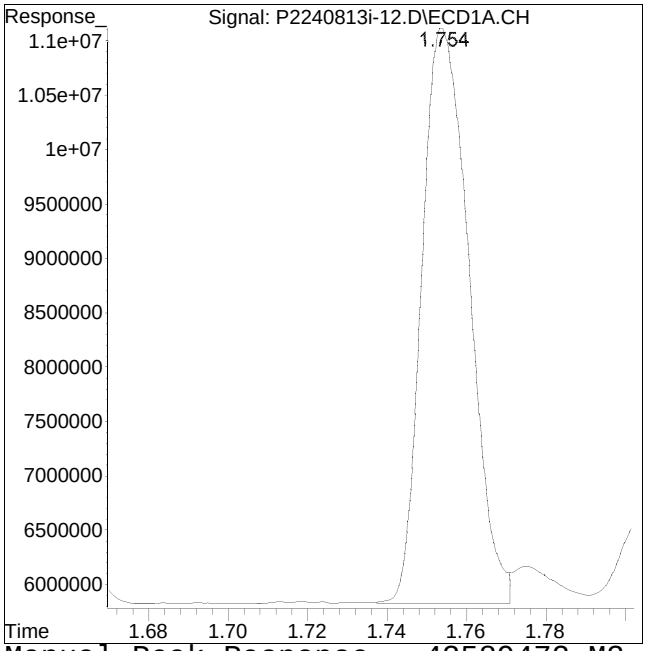
Original Peak Response = 34968381 Manual Peak Response = 25984175 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



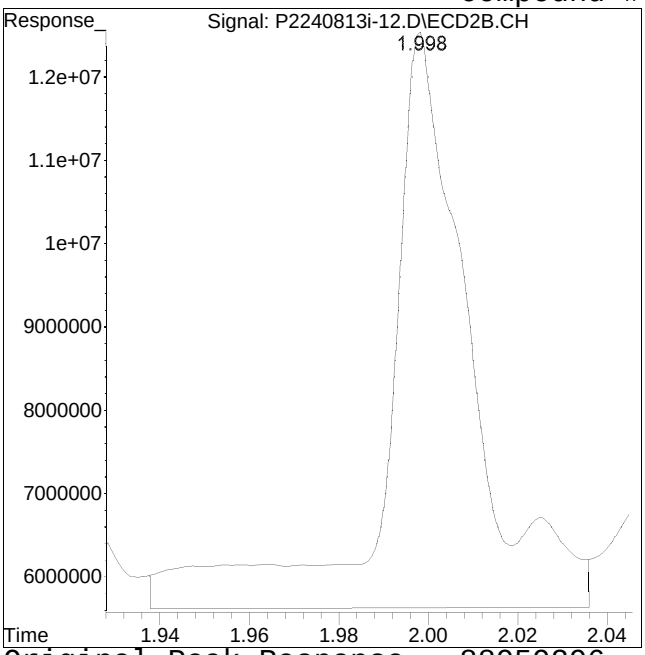


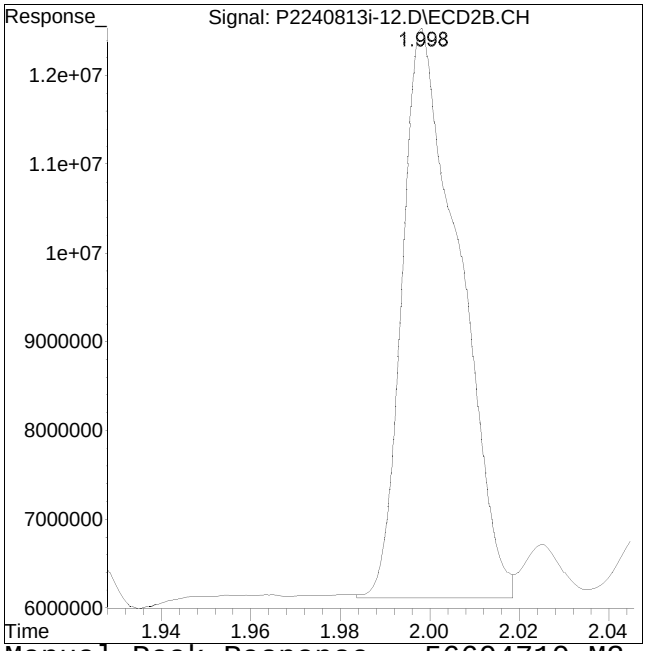
Original Peak Response = 51757902 Manual Peak Response = 43589472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



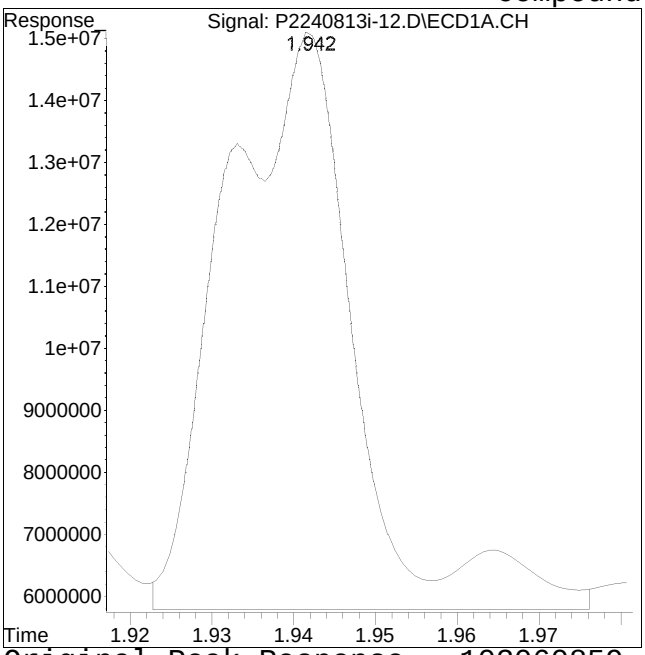


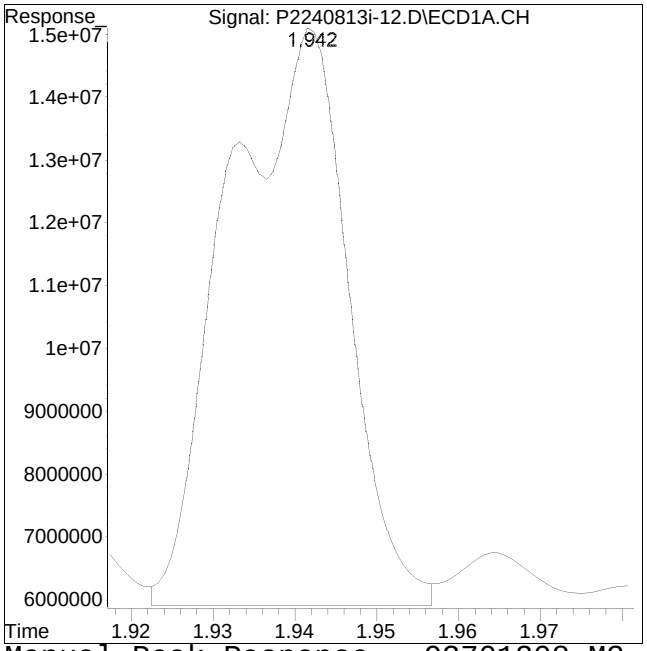
Original Peak Response = 88959296 Manual Peak Response = 56604710 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



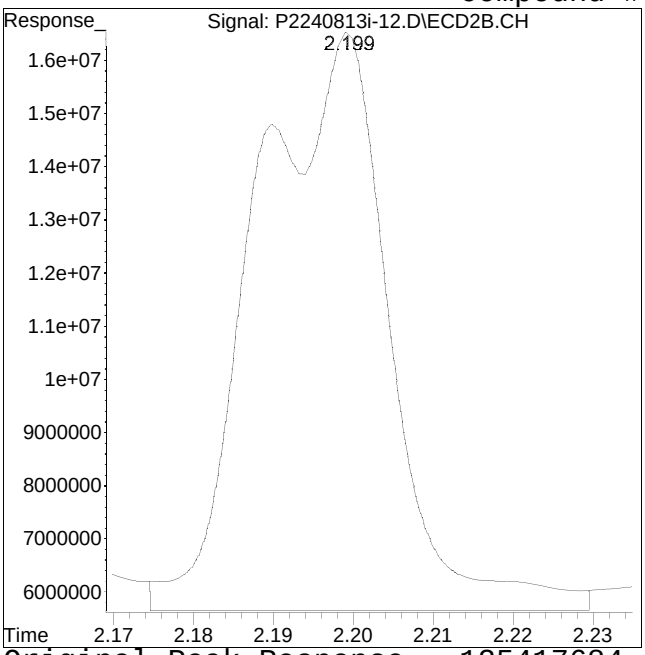


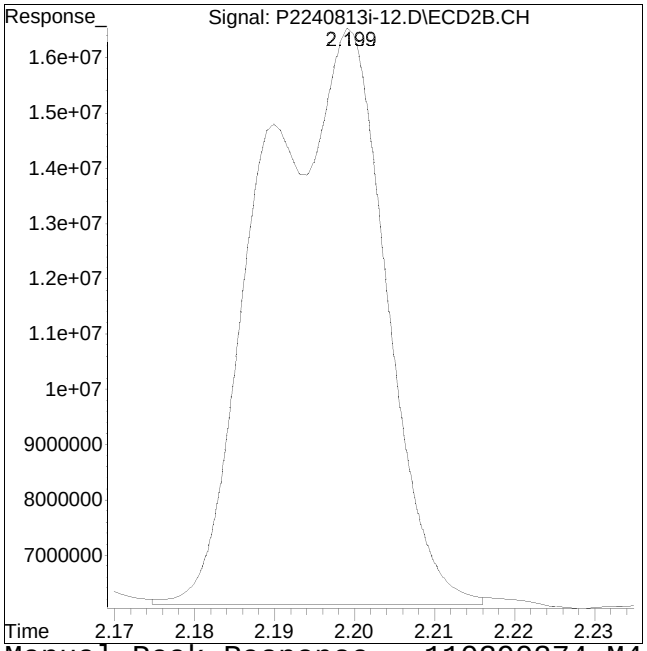
Original Peak Response = 103060859 Manual Peak Response = 93701208 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



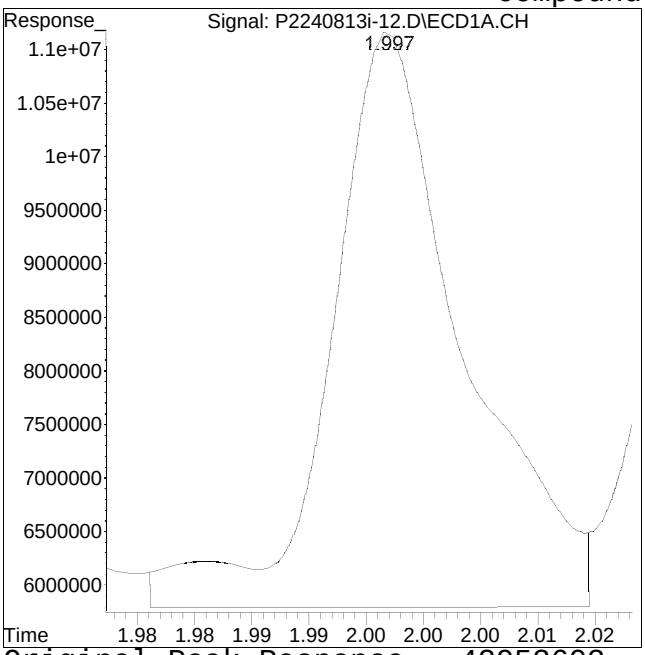


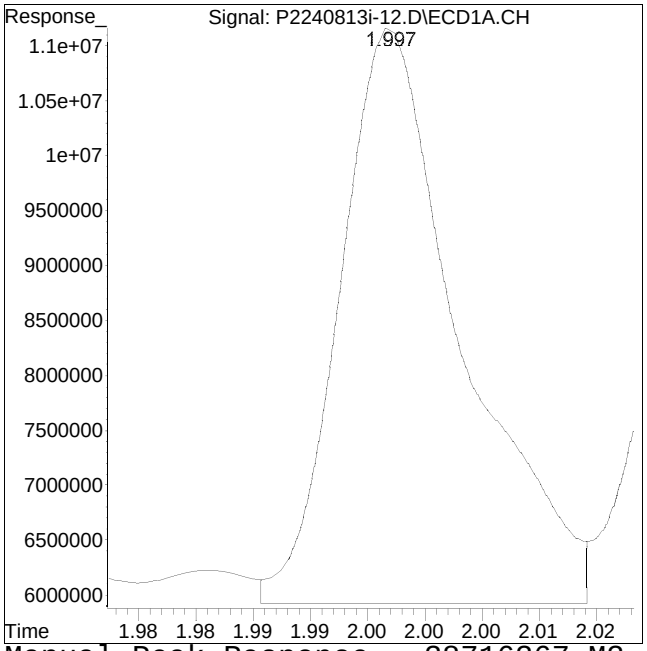
Original Peak Response = 125417684 Manual Peak Response = 110390374 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



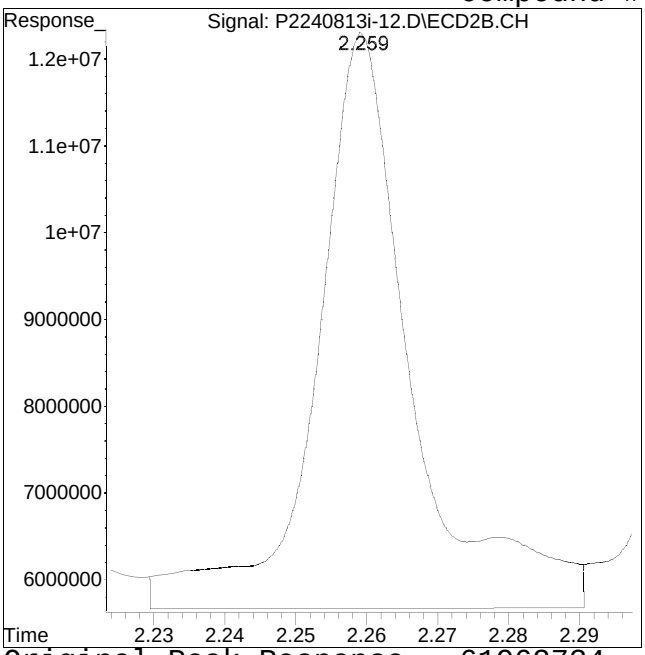


Original Peak Response = 42953693 Manual Peak Response = 38716367 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

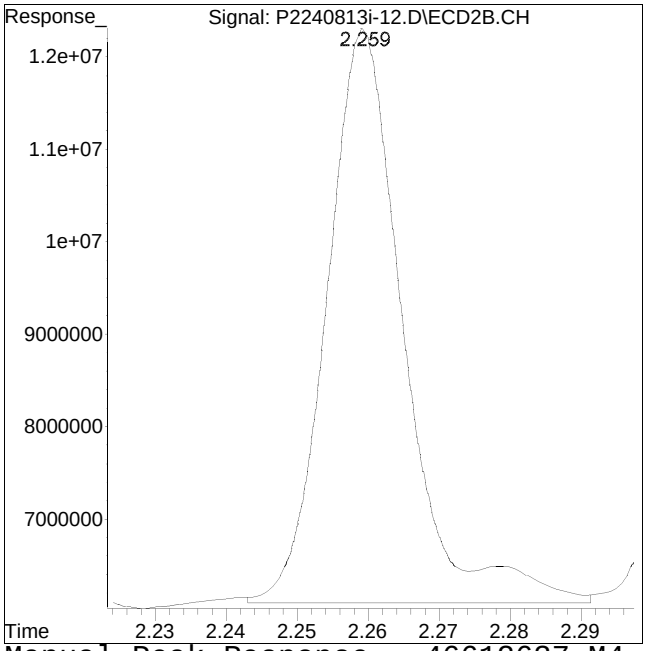
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



Original Peak Response = 61962734



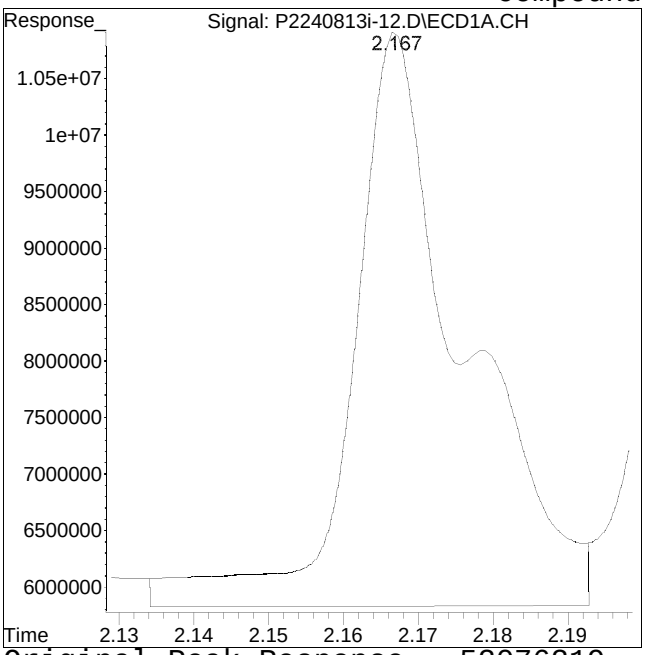
Manual Peak Response = 46612637 M4

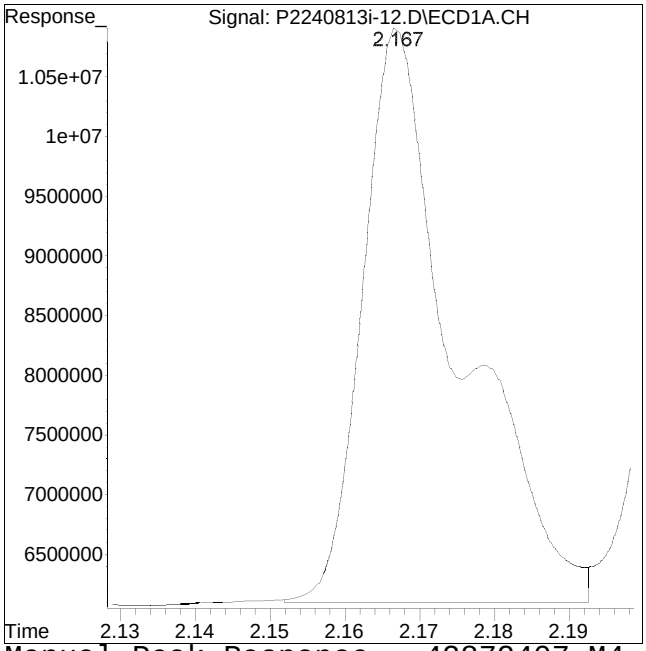
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



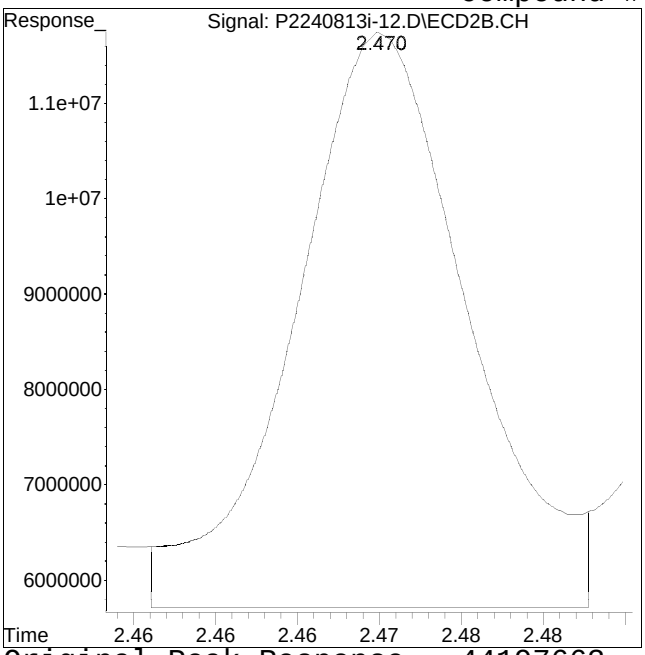


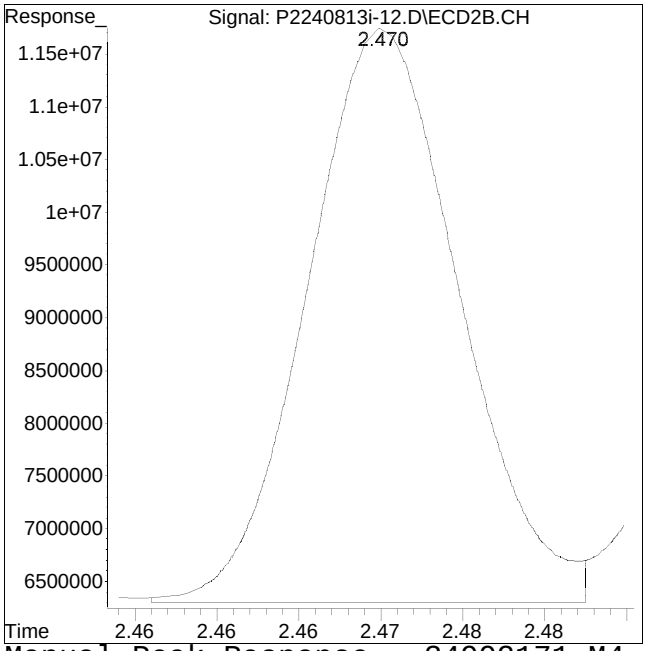
Original Peak Response = 52076219 Manual Peak Response = 42872407 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



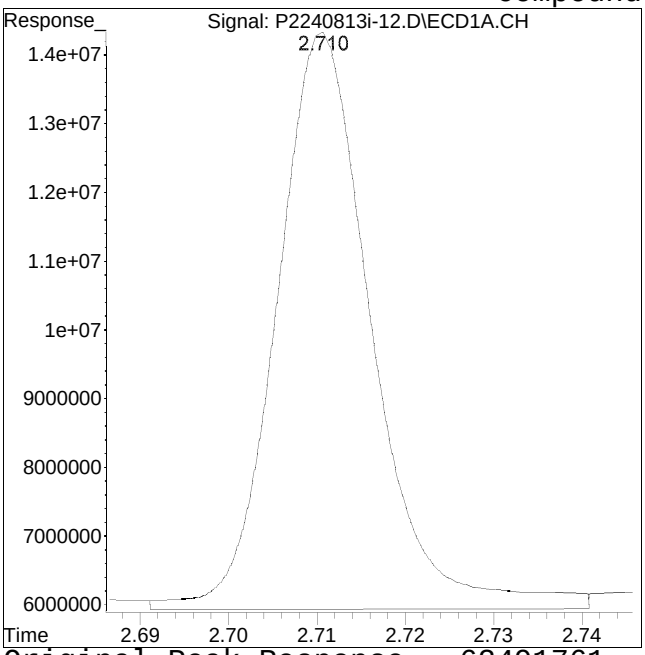


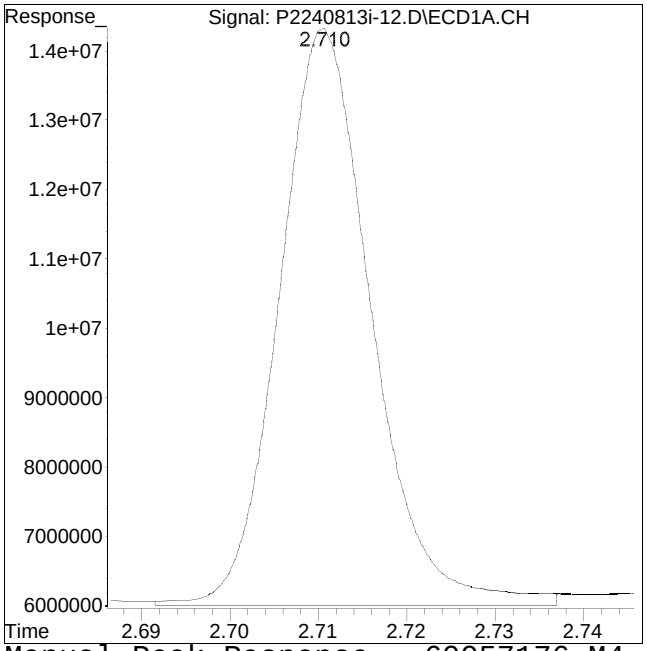
Original Peak Response = 44197663 Manual Peak Response = 34992171 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



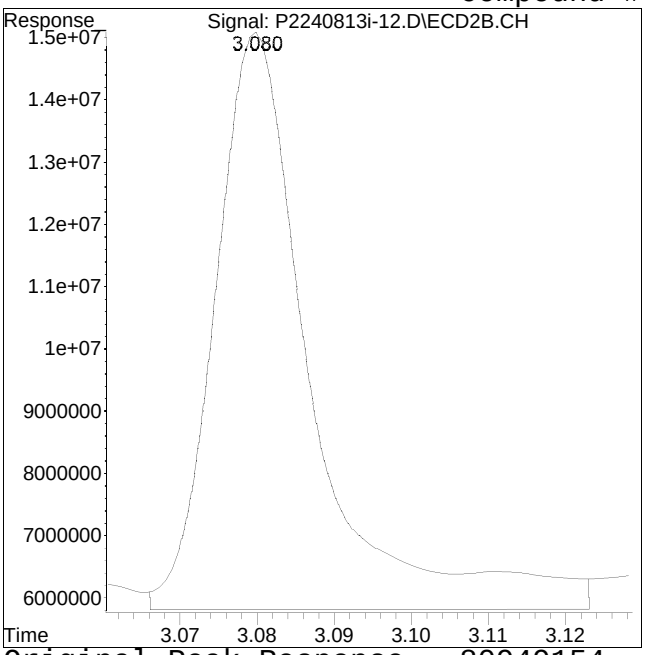


Original Peak Response = 62491761 Manual Peak Response = 60057176 M4
M4 = Poor automated baseline construction.

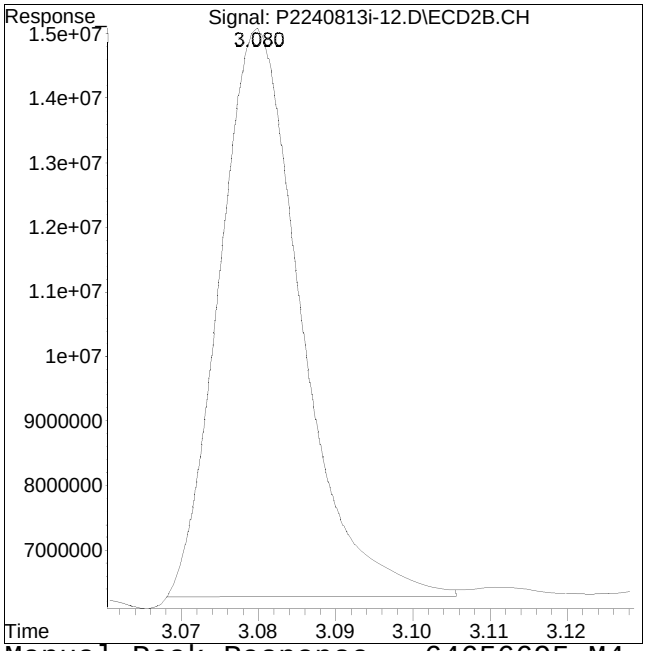
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



Original Peak Response = 80949154



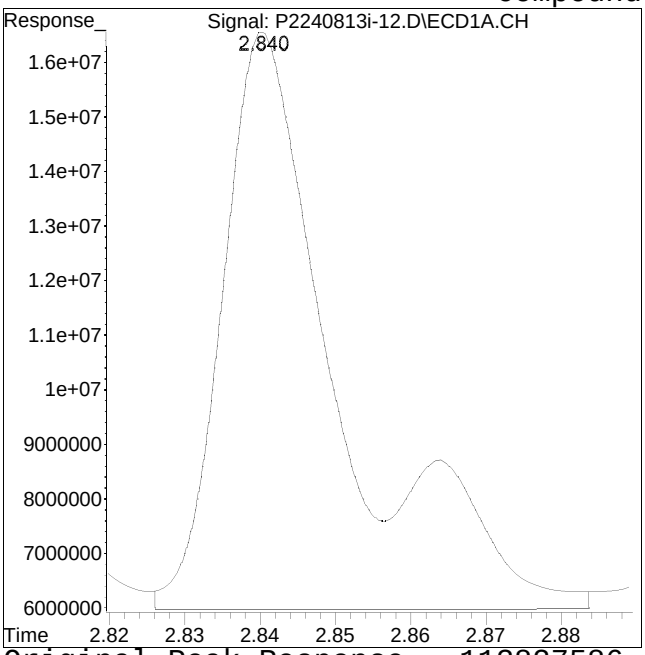
Manual Peak Response = 64656695 M4

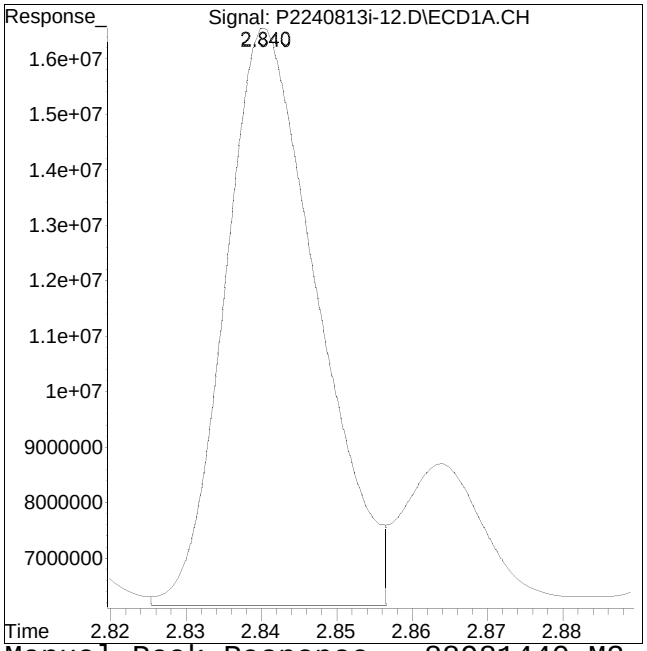
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



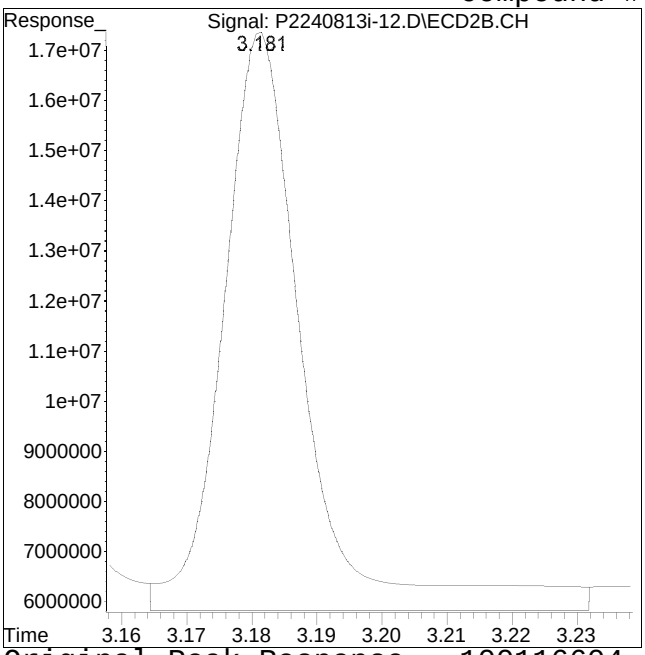


Original Peak Response = 113827586 Manual Peak Response = 88981440 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

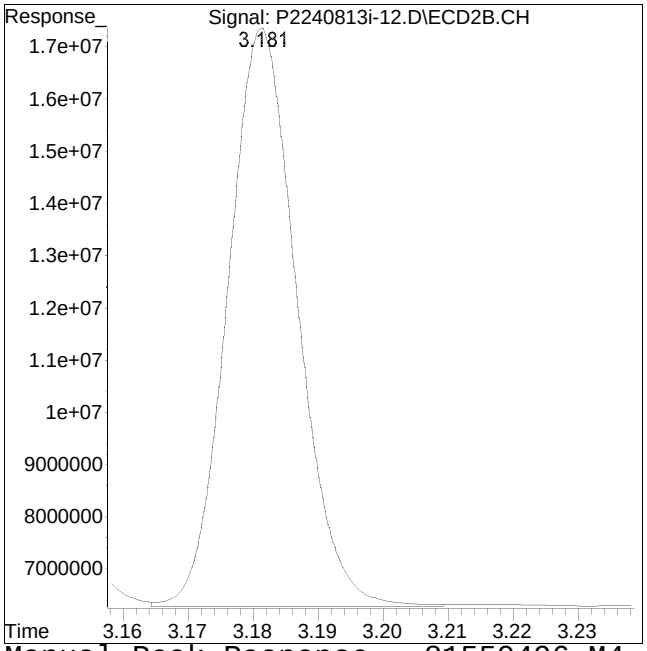
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



Original Peak Response = 100116604



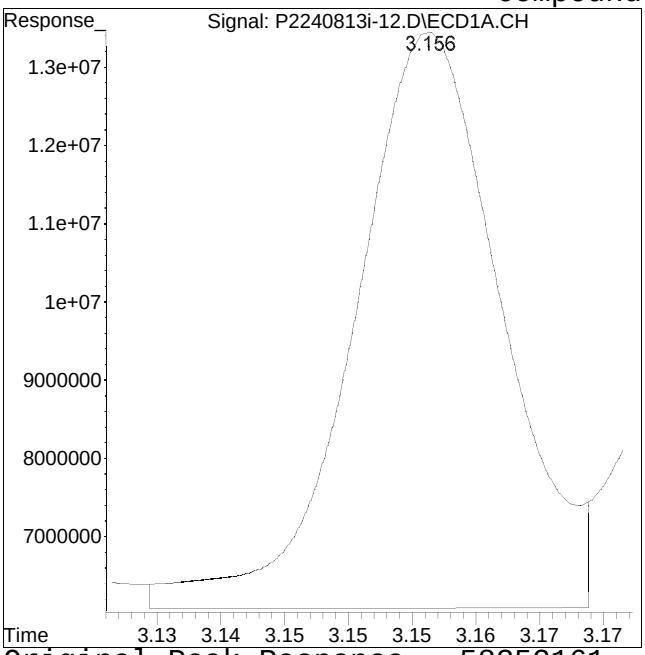
Manual Peak Response = 81550496 M4

M4 = Poor automated baseline construction.

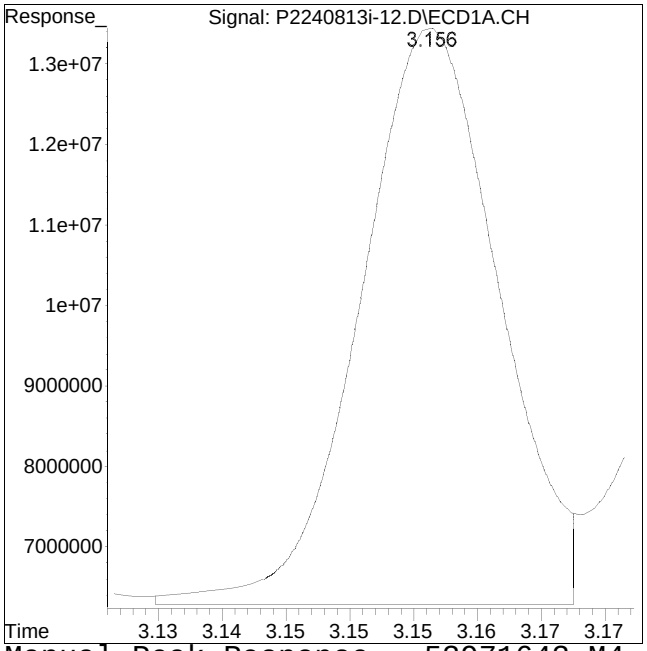
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



Original Peak Response = 58352161



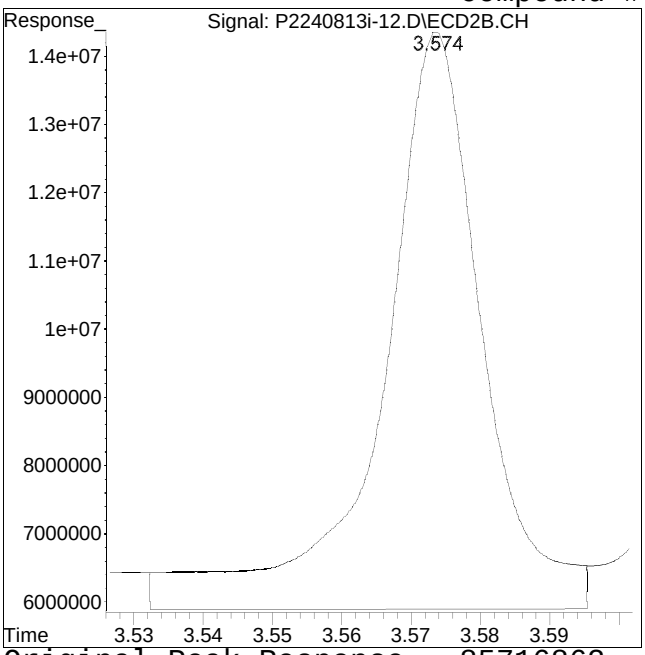
Manual Peak Response = 53971643 M4

M4 = Poor automated baseline construction.

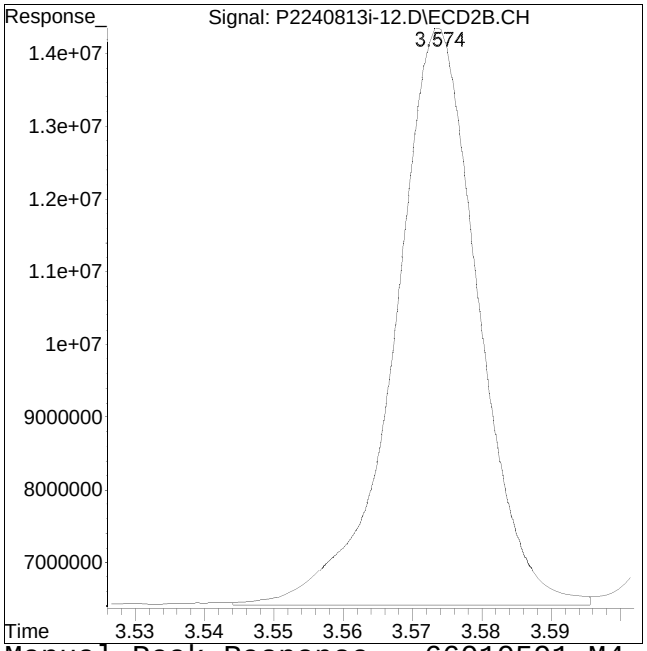
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



Original Peak Response = 85716862



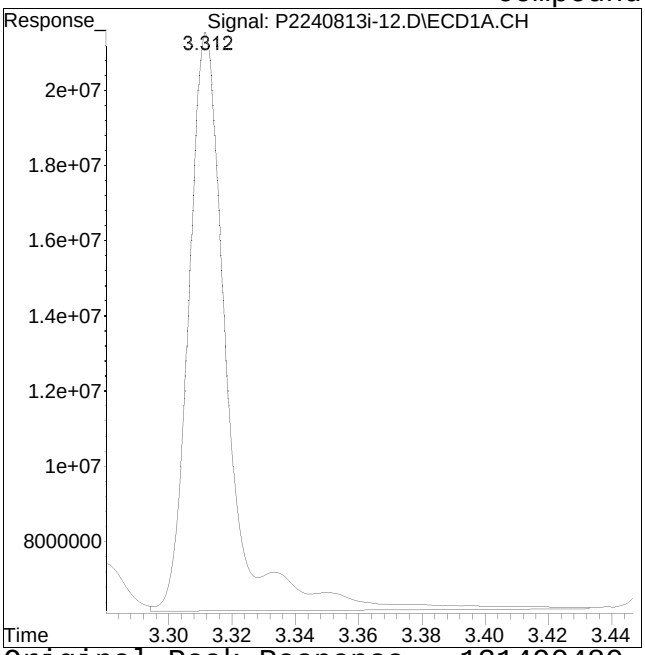
Manual Peak Response = 66010591 M4

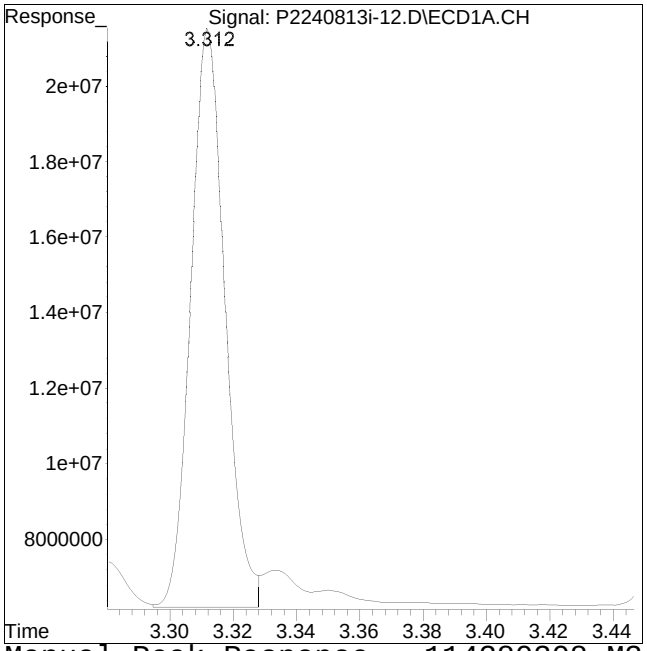
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



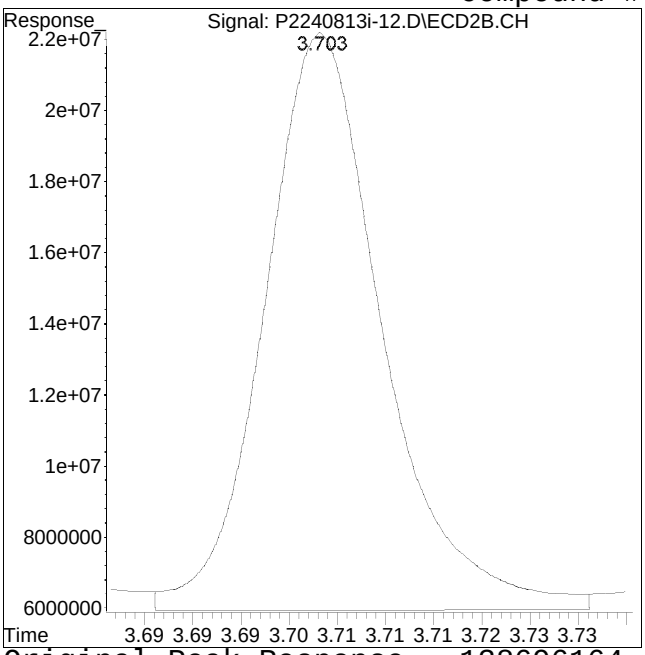


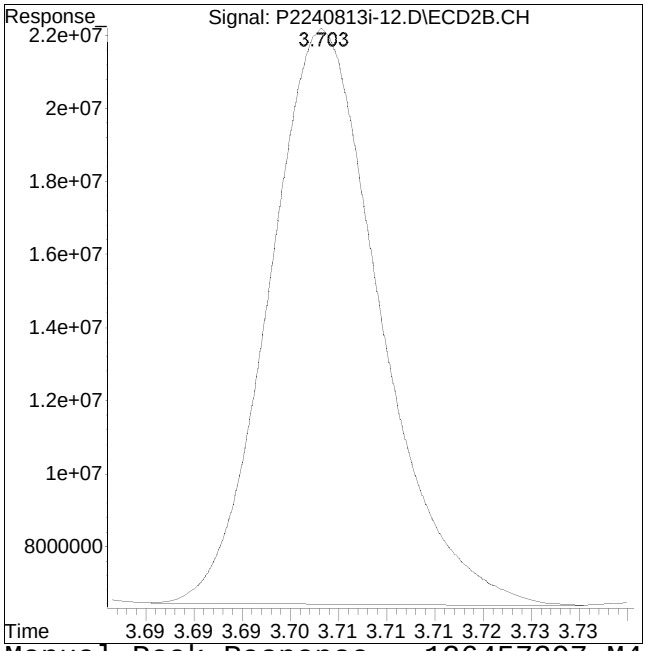
Original Peak Response = 131490480 Manual Peak Response = 114380308 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



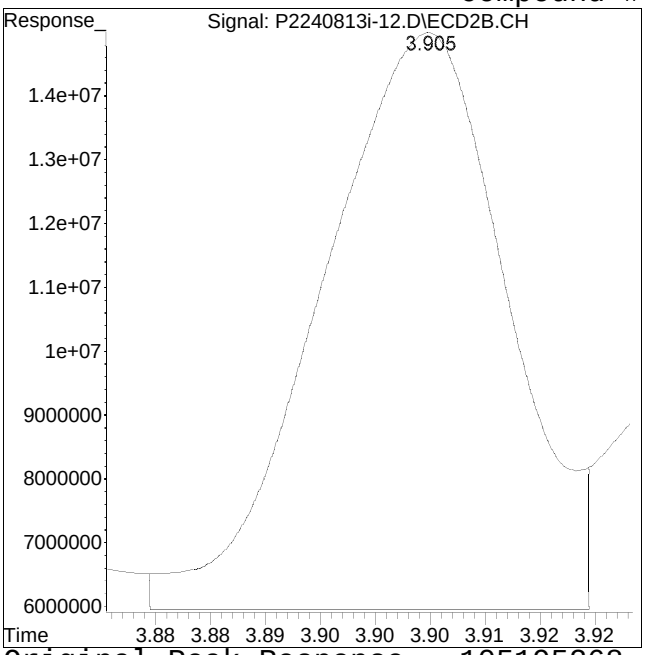


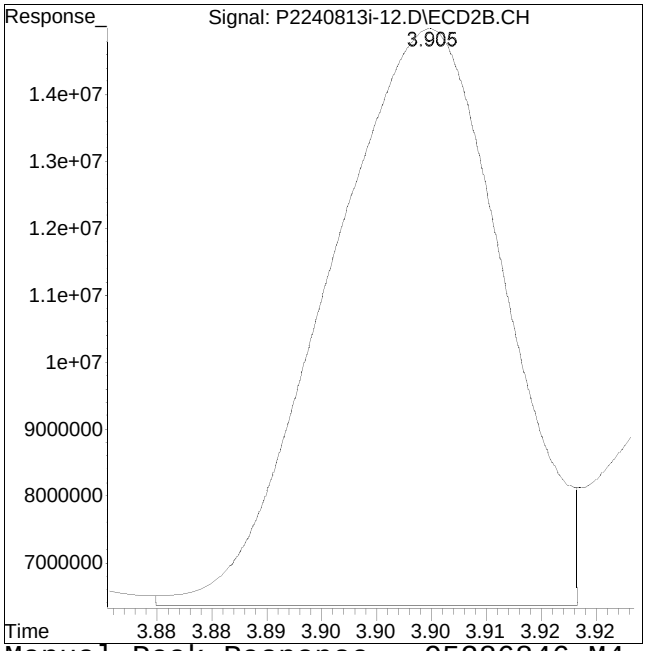
Original Peak Response = 138696164 Manual Peak Response = 126457297 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2





Original Peak Response = 105195268 Manual Peak Response = 95286846 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.258	176.4E6	207.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	183.7E6	202.7E6	14.352	11.857
	Spiked Amount 20.000	Range 30 - 150		Recovery =		71.76%	59.28%
3) s	Decachlorobi	4.044	4.553	266.4E6	262.0E6	31.746	31.255
	Spiked Amount 20.000	Range 30 - 150		Recovery =		158.73%#	156.27%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	50167498	55319127	141.684	75.979
5) l1	1016-2	1.754	1.999	103.0E6	123.7E6	226.642	54.361
6) l1	1016-3	1.942	2.199	219.7E6	244.5E6	227.594	136.997
7) l1	1016-4	1.997	2.260	88911789	99935446	183.970	85.399
8) l1	1016-5	2.167	2.470	94823015	76425444	77.043M4	99.690M4
	Sum 1016-1			556.6E6	599.9E6	856.933	452.427 D
	Average 1016-1					171.387	90.485 D
9) l2	1260-1	2.711	3.080	135.0E6	149.4E6	187.544	163.353
10) l2	1260-2	2.841	3.182	203.6E6	182.4E6	178.811	130.990
11) l2	1260-3	3.157	3.575	129.9E6	149.1E6	213.035	136.841
12) l2	1260-4	3.312	3.704	272.9E6	292.9E6	257.036M3	228.838
13) l2	1260-5	3.460	3.906	197.7E6	208.3E6	293.381	123.051
	Sum 1260-1			939.0E6	982.3E6	NoCal	NoCal D
	Average 1260-1					225.961	156.615

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

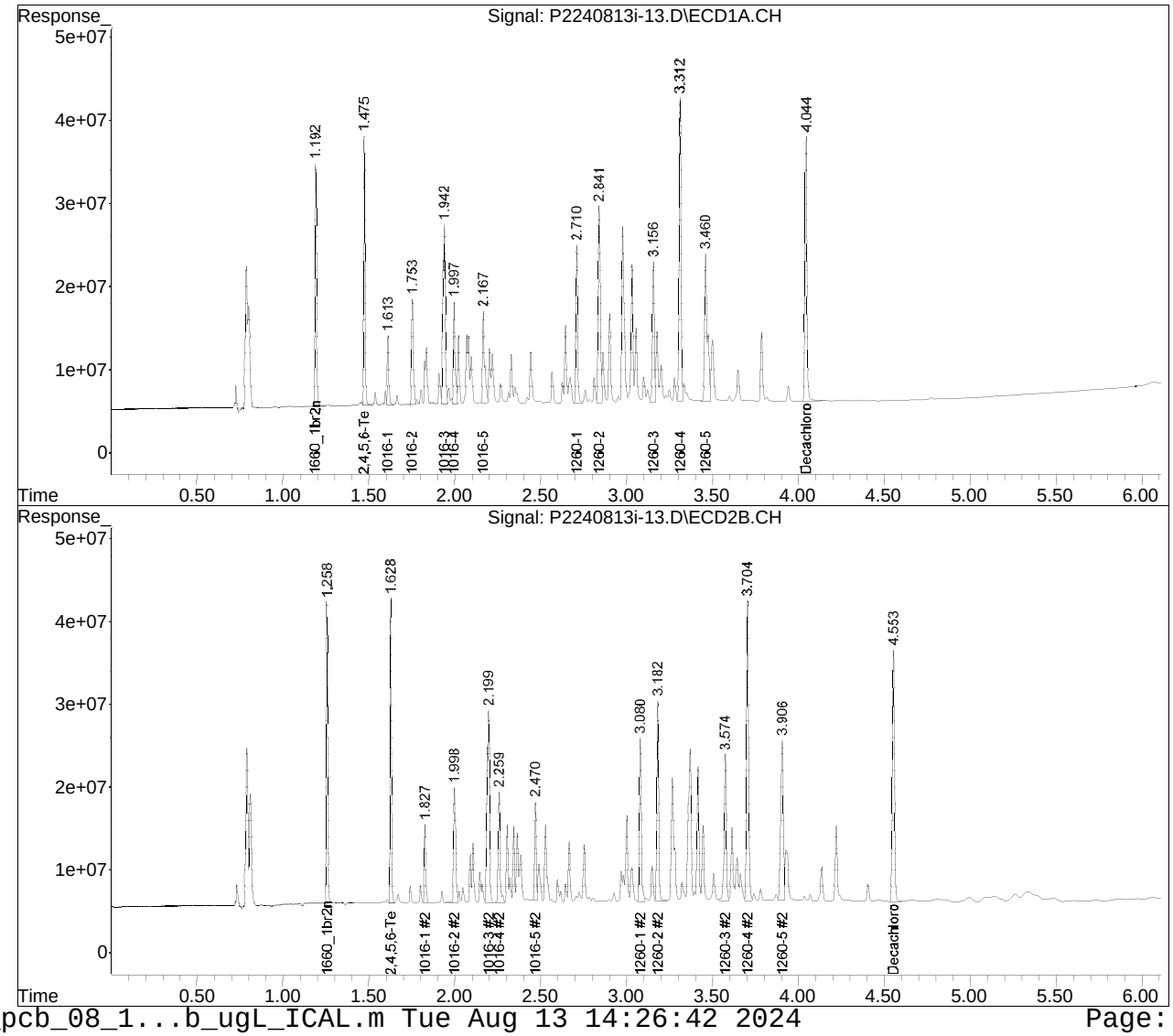
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

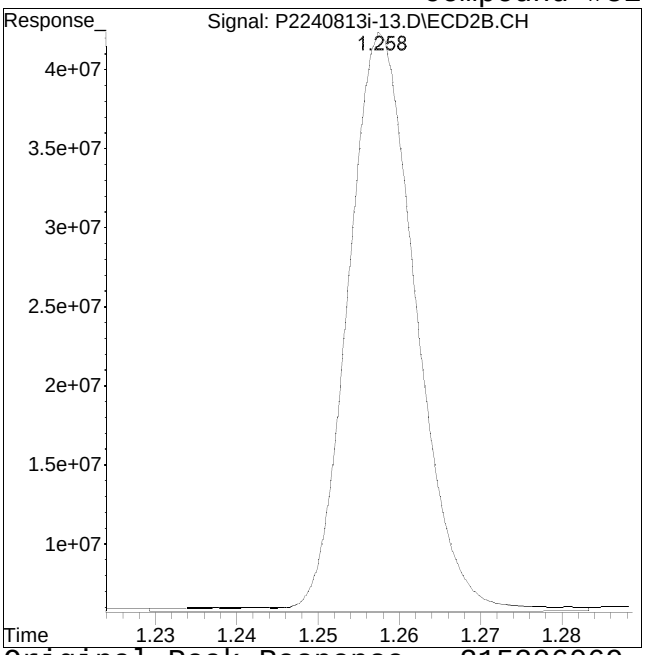
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



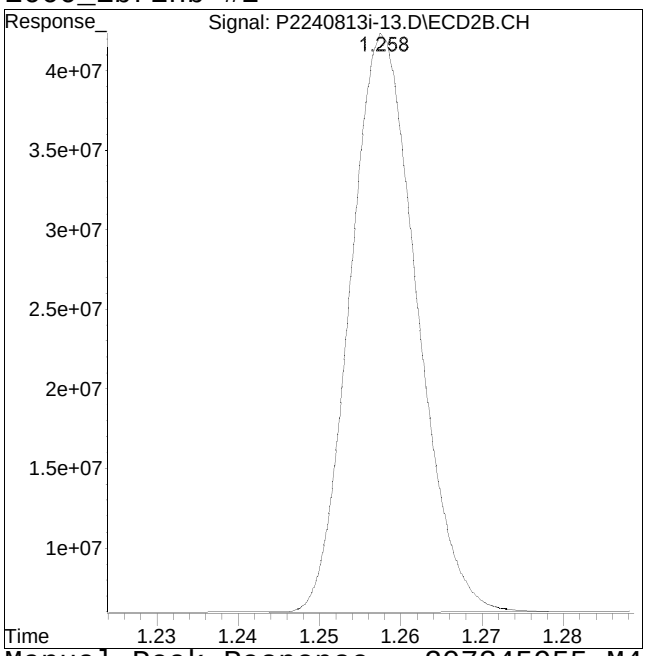
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 215206069



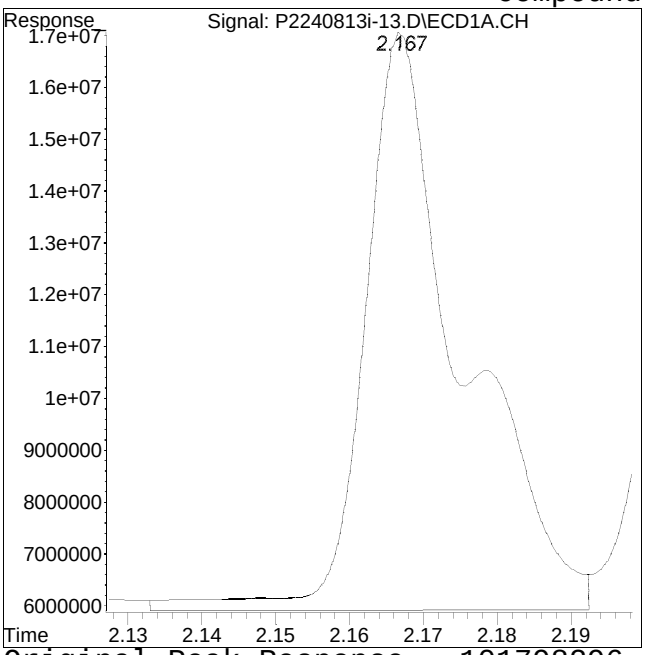
Manual Peak Response = 207345955 M4

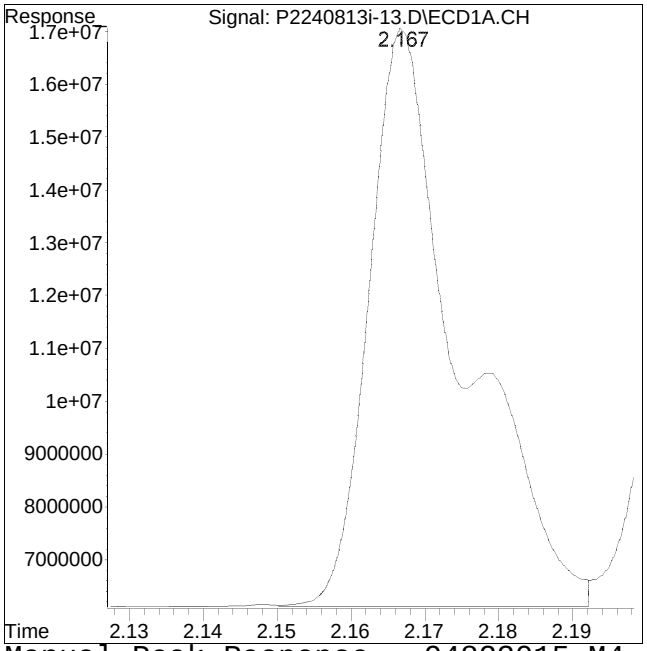
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



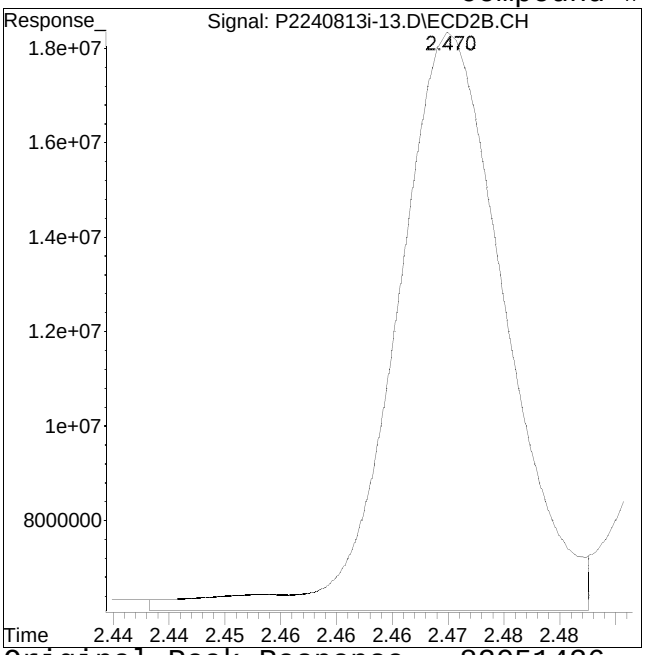


Original Peak Response = 101798296 Manual Peak Response = 94823015 M4
M4 = Poor automated baseline construction.

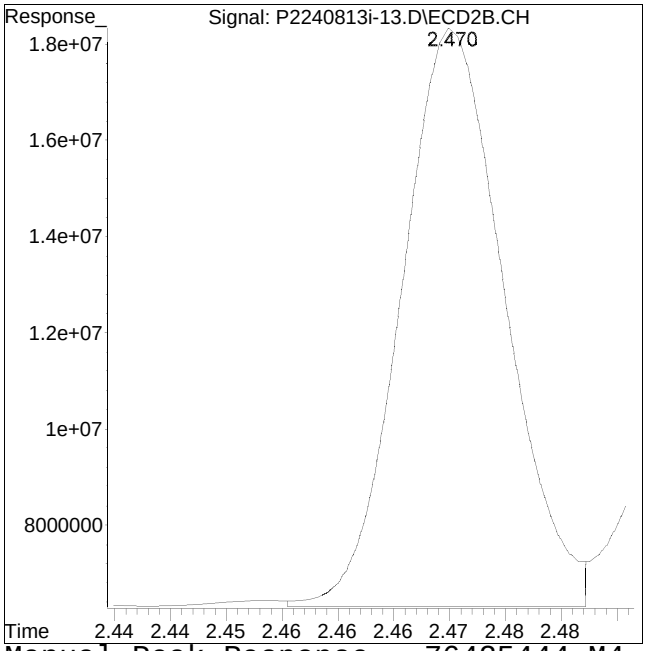
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



Original Peak Response = 82051436



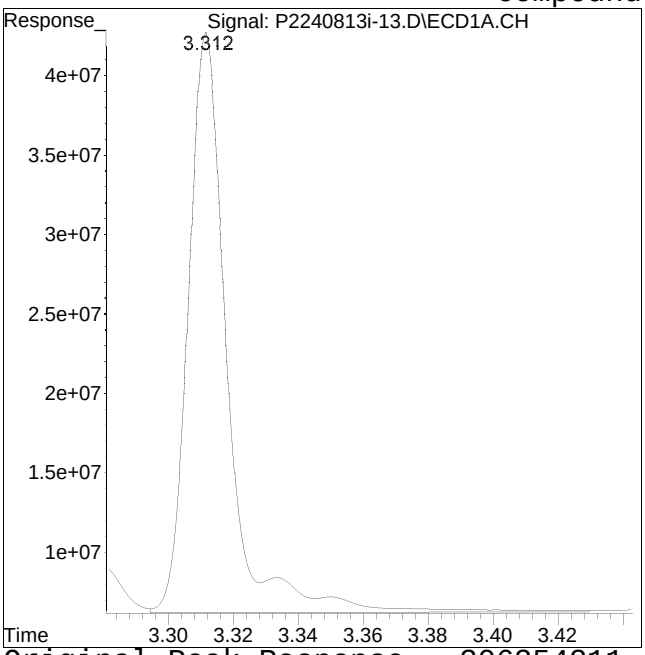
Manual Peak Response = 76425444 M4

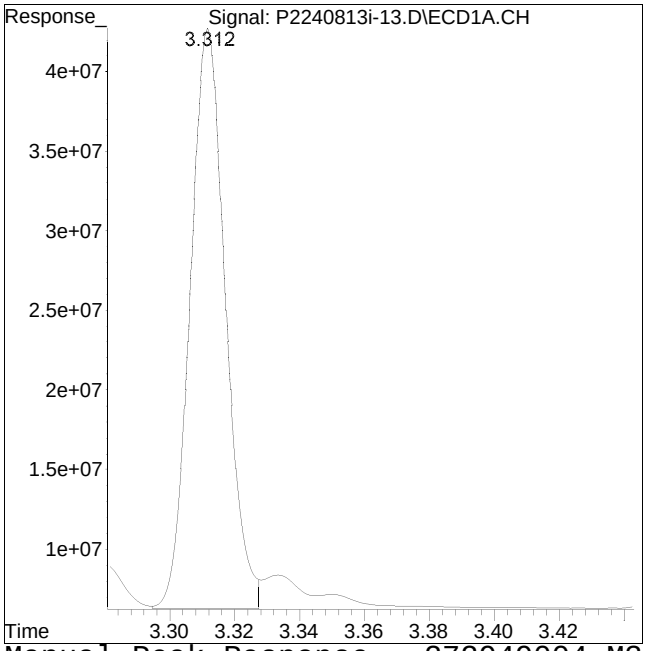
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #12: 1260-4





Original Peak Response = 306354211 Manual Peak Response = 272949004 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	187.8E6	223.0E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	386.9E6	414.9E6	29.137	24.299
	Spiked Amount 20.000	Range 30 - 150		Recovery =		145.69%	121.50%
3) s	Decachlorobi	4.044	4.553	548.0E6	525.0E6	61.462	59.090
	Spiked Amount 20.000	Range 30 - 150		Recovery =		307.31%#	295.45%#
	Target Compounds						
4) l1	1016-1	1.614	1.828	101.7E6	108.2E6	295.346	160.993
5) l1	1016-2	1.754	1.999	199.8E6	240.3E6	420.972M3	116.578
6) l1	1016-3	1.942	2.200	457.3E6	490.5E6	453.074	282.094
7) l1	1016-4	1.997	2.259	182.3E6	197.4E6	374.120M3	181.090M1
8) l1	1016-5	2.167	2.471	194.9E6	150.6E6	171.724M4	206.912M4
	Sum 1016-1			1136.1E6	1186.9E6	1715.236	947.666 D
	Average 1016-1					343.047	189.533 D
9) l2	1260-1	2.711	3.080	277.4E6	289.4E6	381.084	317.570
10) l2	1260-2	2.841	3.182	418.6E6	354.2E6	366.155	262.387
11) l2	1260-3	3.157	3.575	270.7E6	293.7E6	429.888	276.689
12) l2	1260-4	3.312	3.704	571.3E6	586.8E6	490.199	436.506
13) l2	1260-5	3.460	3.906	407.9E6	419.1E6	549.601M1	257.190
	Sum 1260-1			1945.9E6	1943.1E6	NoCal	NoCal D

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1260-1					443.385	310.068
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

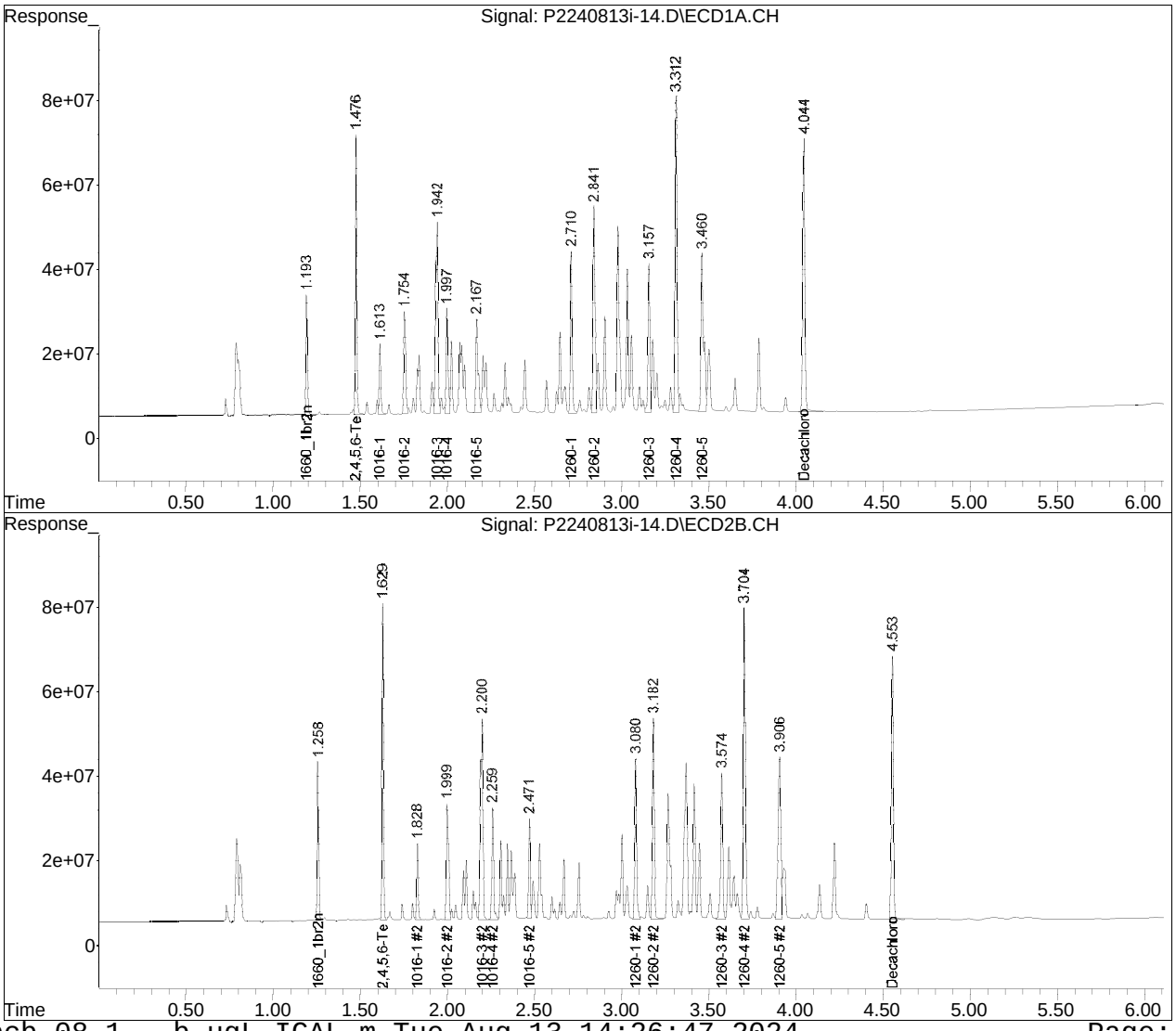
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

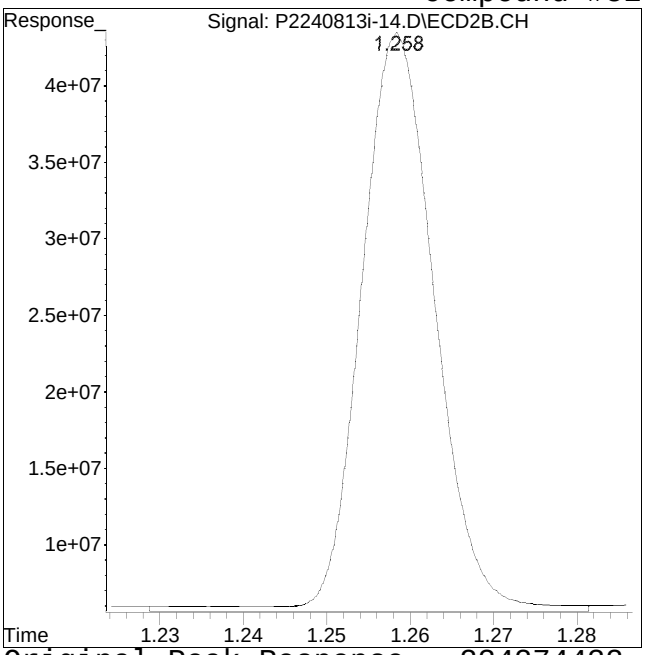
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

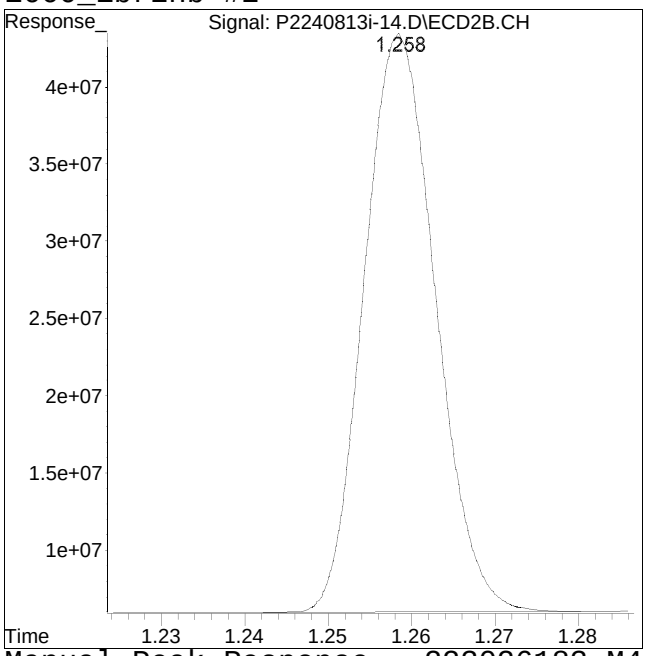


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #52: 1660_1br2nb #2



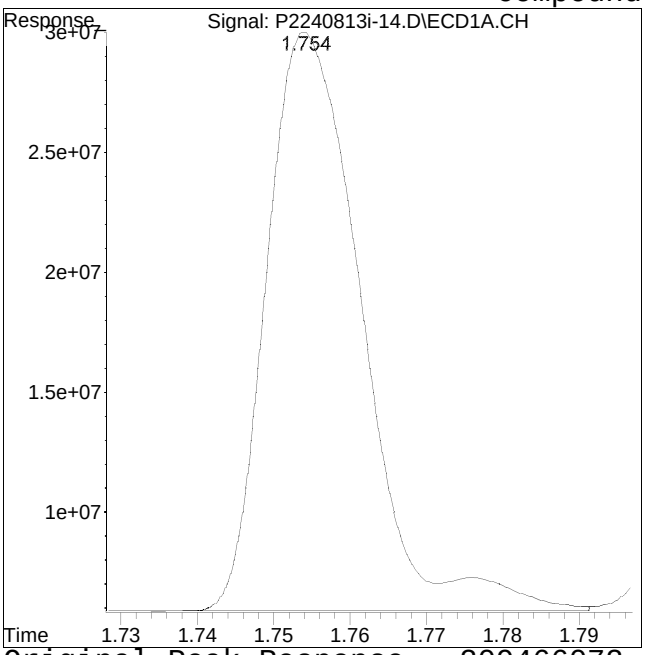


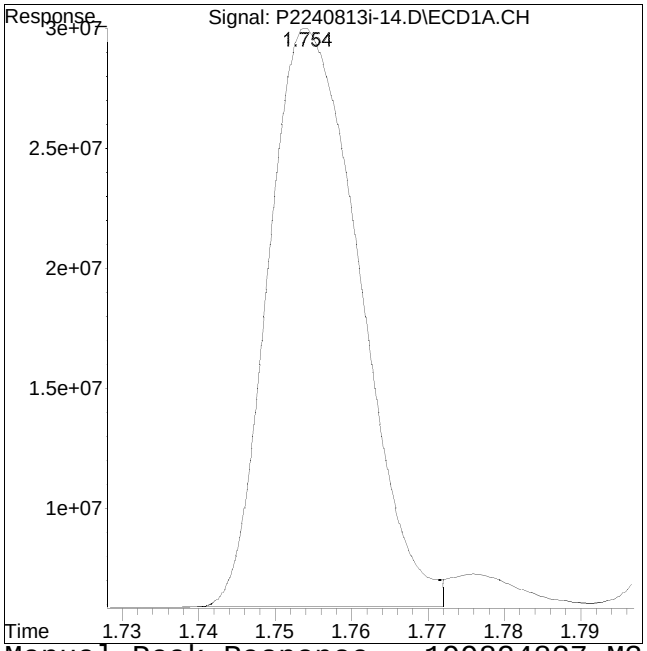
Original Peak Response = 234274432 Manual Peak Response = 223026183 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #5: 1016-2



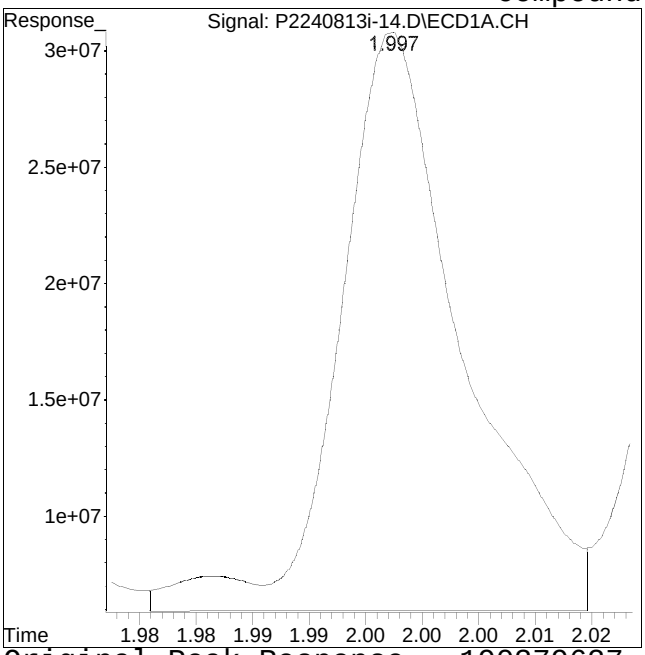


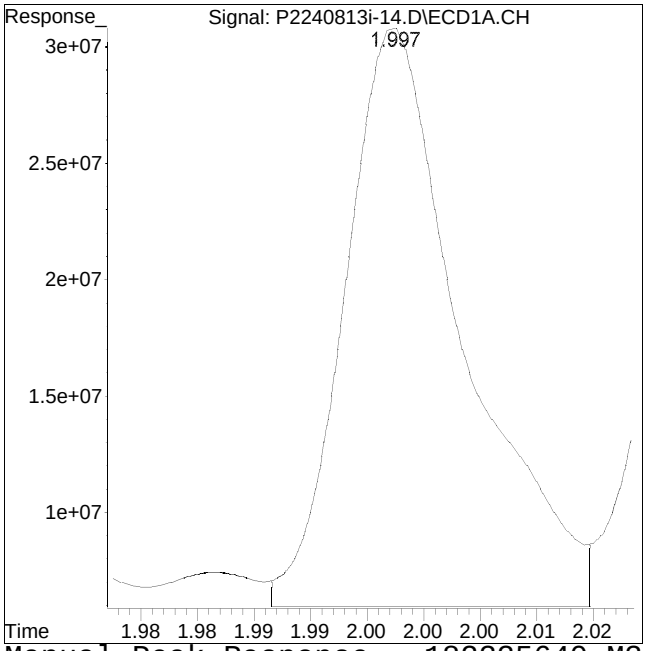
Original Peak Response = 209466072 Manual Peak Response = 199824837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #7: 1016-4



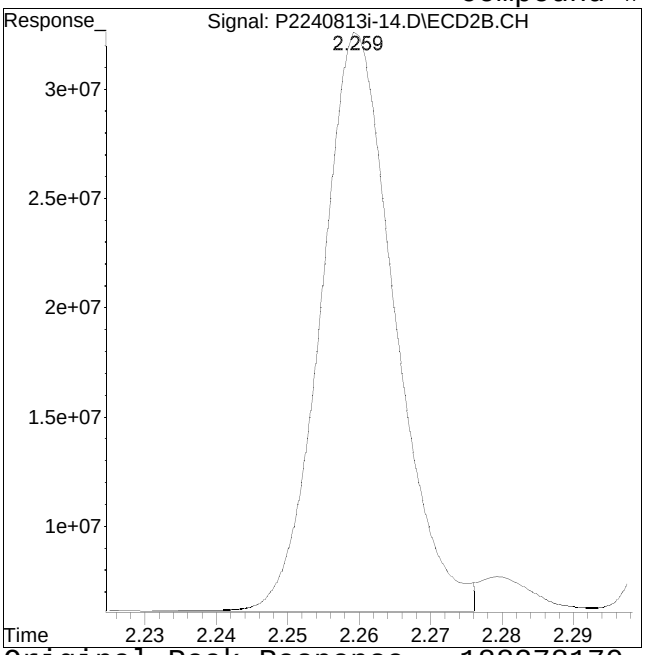


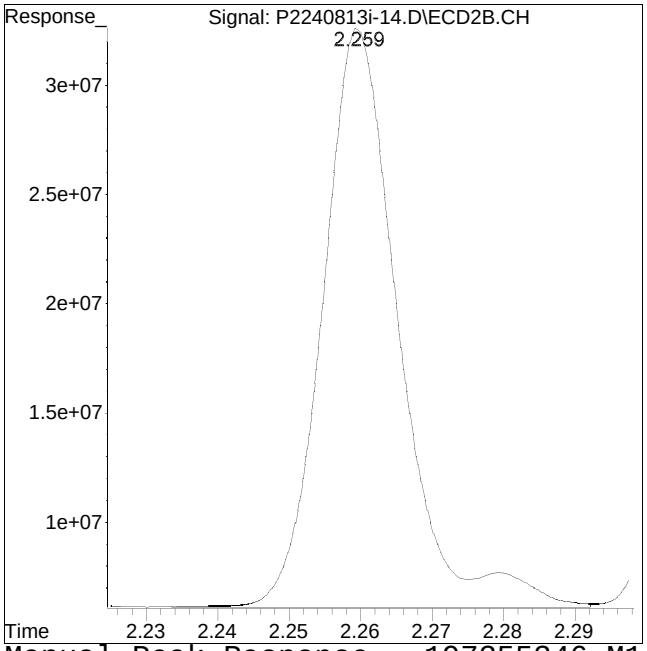
Original Peak Response = 190379627 Manual Peak Response = 182335640 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #58: 1016-4 #2



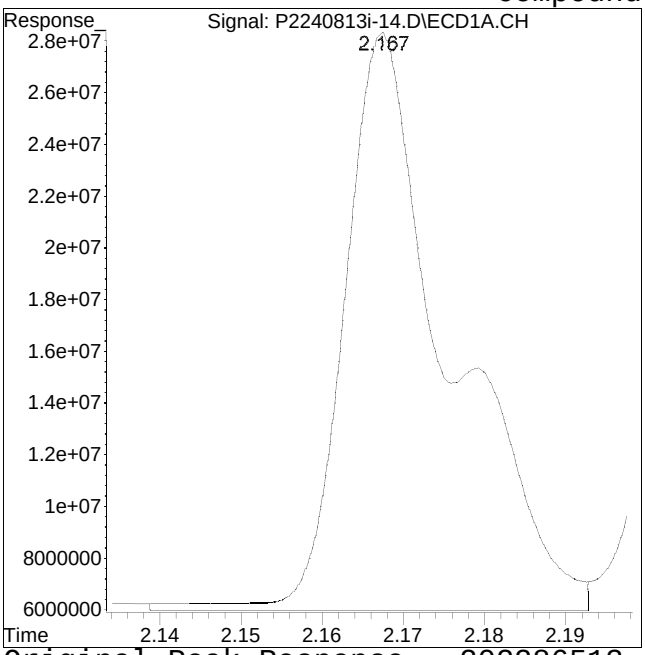


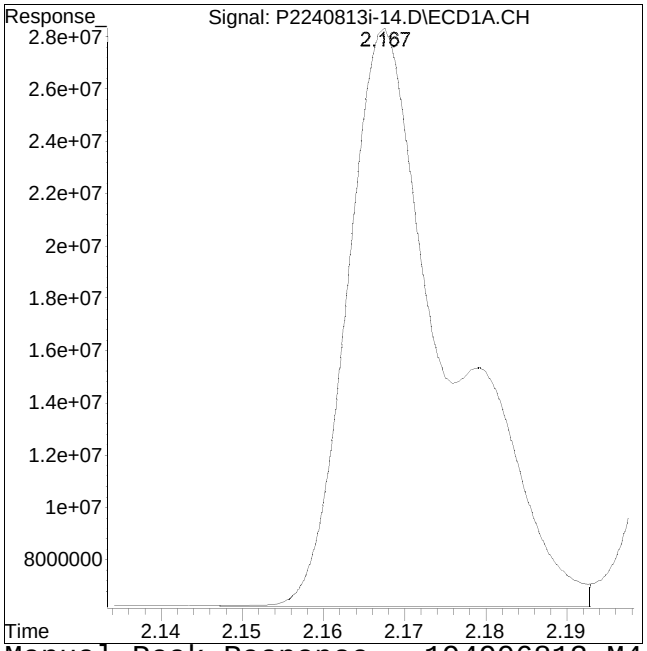
Original Peak Response = 188278170 Manual Peak Response = 197355346 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



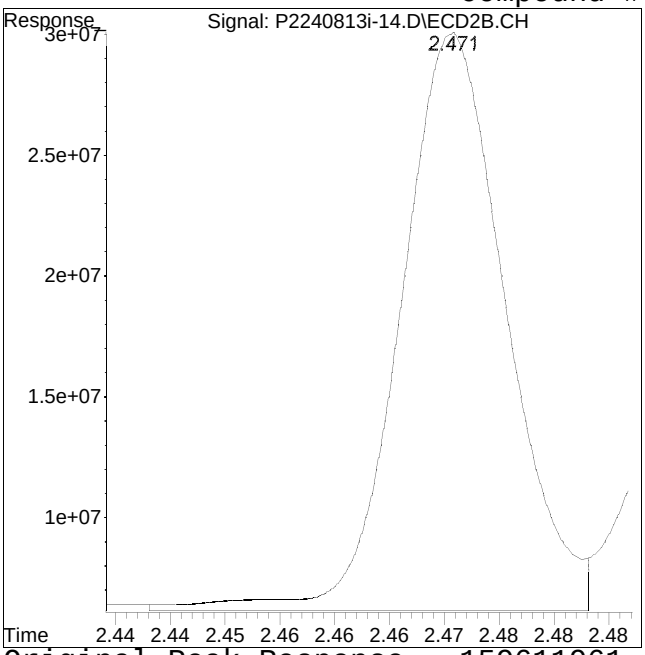


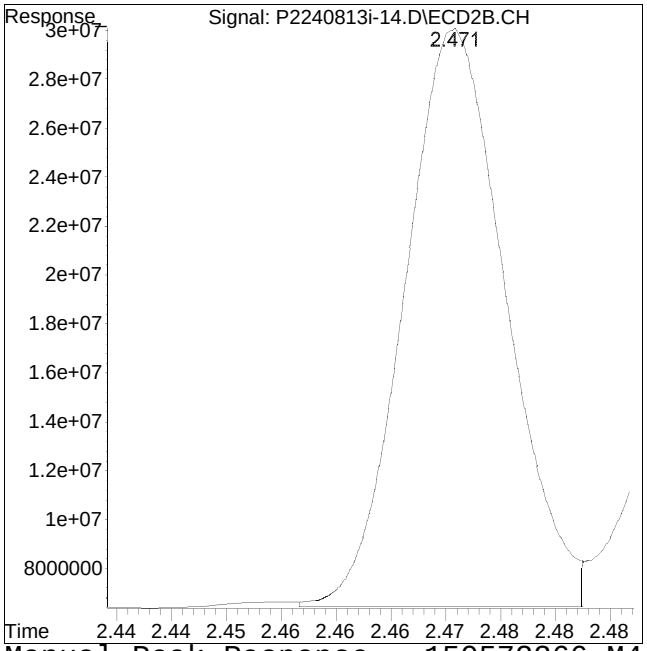
Original Peak Response = 202286513 Manual Peak Response = 194906813 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



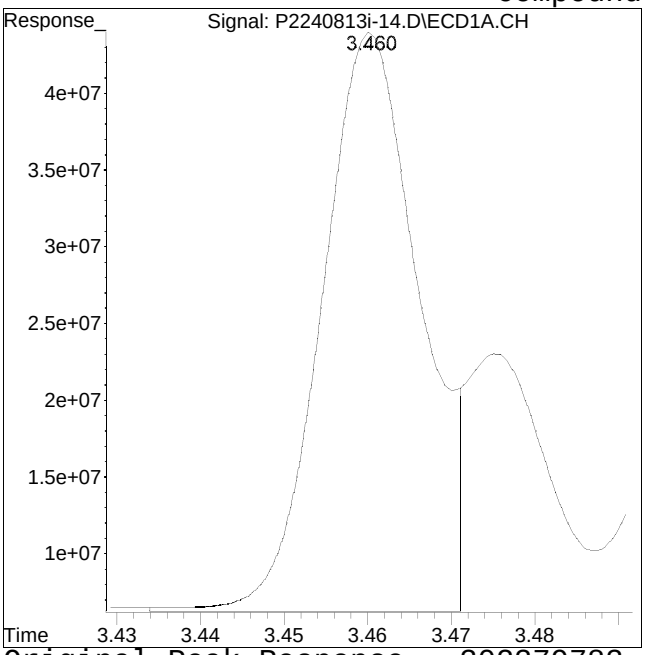


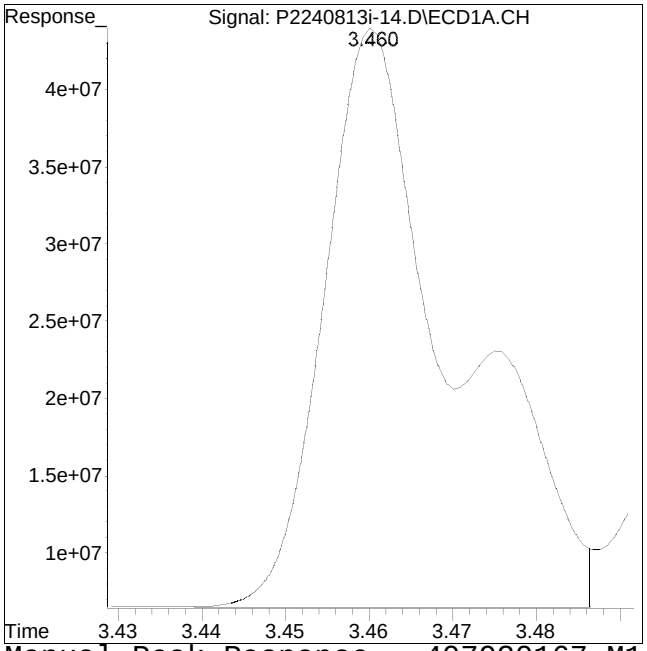
Original Peak Response = 159611961 Manual Peak Response = 150572266 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #13: 1260-5





Original Peak Response = 302379783 Manual Peak Response = 407930167 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.194	1.259	182.5E6	226.3E6	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.630	777.1E6	834.7E6	61.345M3	51.002
	Spiked Amount 20.000	Range 30 - 150		Recovery =		306.73%#	255.01%#
3) s	Decachlorobi	4.045	4.554	1080.3E6	1036.7E6	125.735	117.839
	Spiked Amount 20.000	Range 30 - 150		Recovery =		628.67%#	589.19%#
	Target Compounds						
4) l1	1016-1	1.614	1.828	196.6E6	216.2E6	630.900M3	358.265
5) l1	1016-2	1.754	1.999	396.8E6	464.6E6	877.753M3	255.250
6) l1	1016-3	1.943	2.200	912.2E6	964.6E6	945.174M3	592.447
7) l1	1016-4	1.998	2.260	362.4E6	388.6E6	794.503M3	395.654
8) l1	1016-5	2.168	2.471	384.5E6	293.8E6	390.635M4	440.701M4
	Sum 1016-1			2252.6E6	2327.9E6	3638.966	2042.317 D
	Average 1016-1					727.793	408.463 D
9) l2	1260-1	2.712	3.081	547.2E6	576.7E6	805.720	667.724
10) l2	1260-2	2.841	3.182	830.5E6	695.0E6	782.769M3	553.601
11) l2	1260-3	3.158	3.575	536.0E6	567.3E6	897.112	571.726
12) l2	1260-4	3.313	3.704	1151.7E6	1154.7E6	1020.672M3	871.102

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.462	3.906	835.9E6	817.0E6	1196.300	540.035
Sum	1260-1			3901.4E6	3810.7E6	NoCal	NoCal D
Average	1260-1					940.515	640.838
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

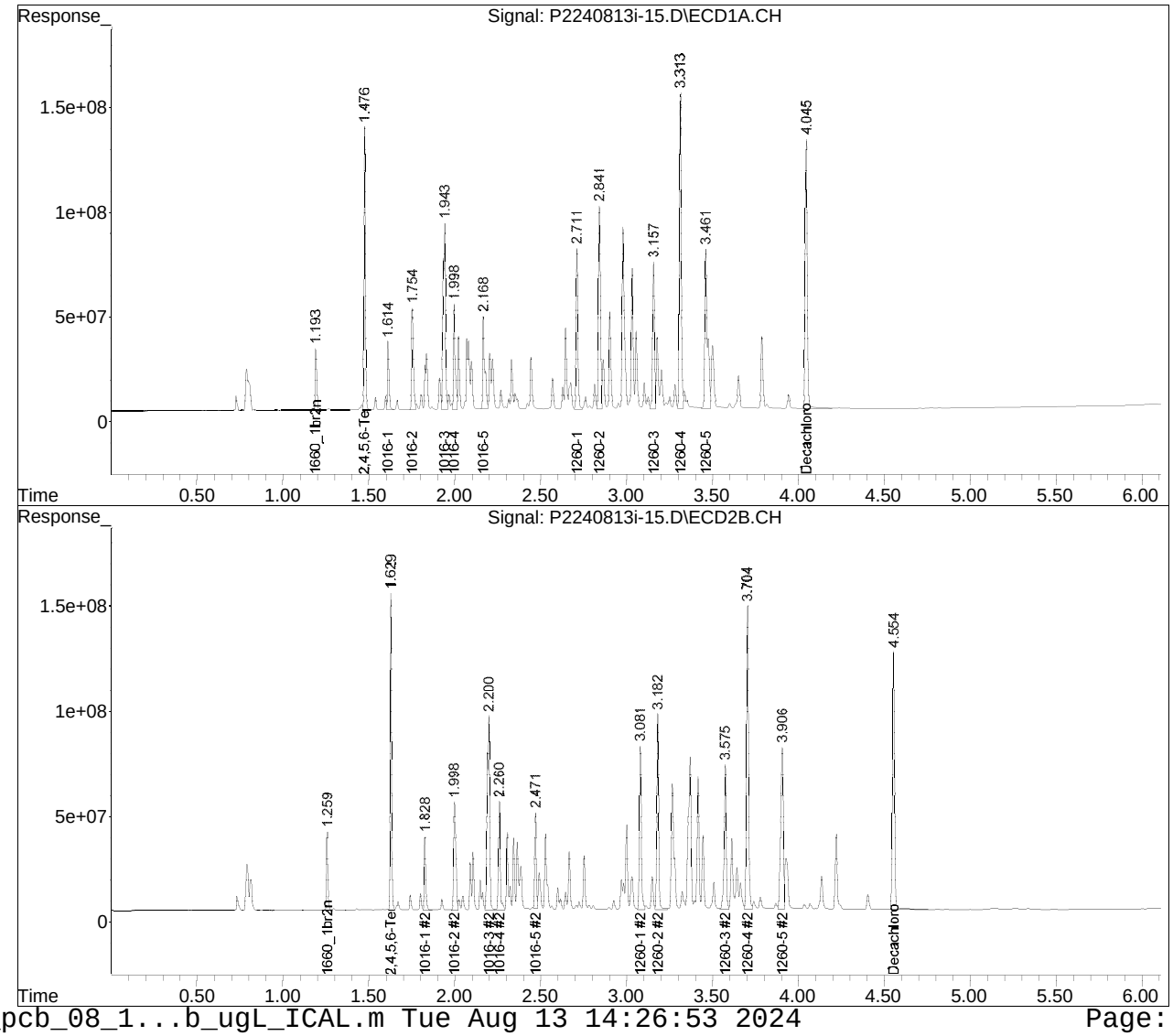
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

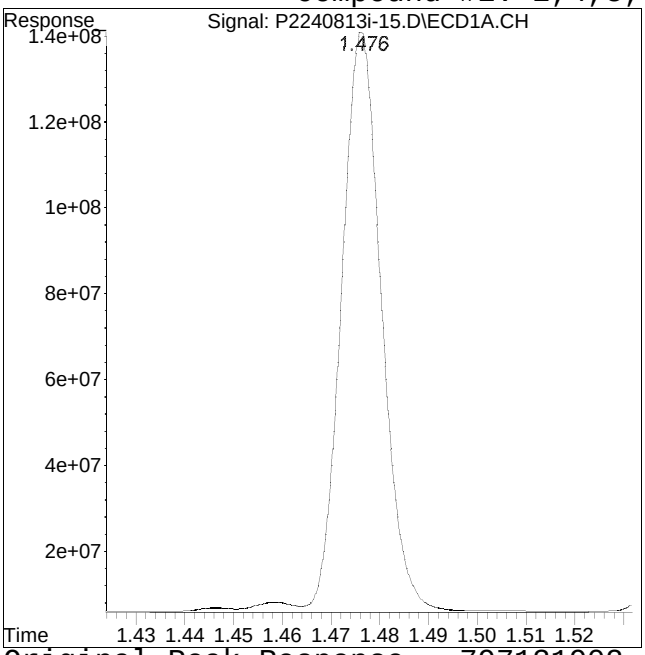
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

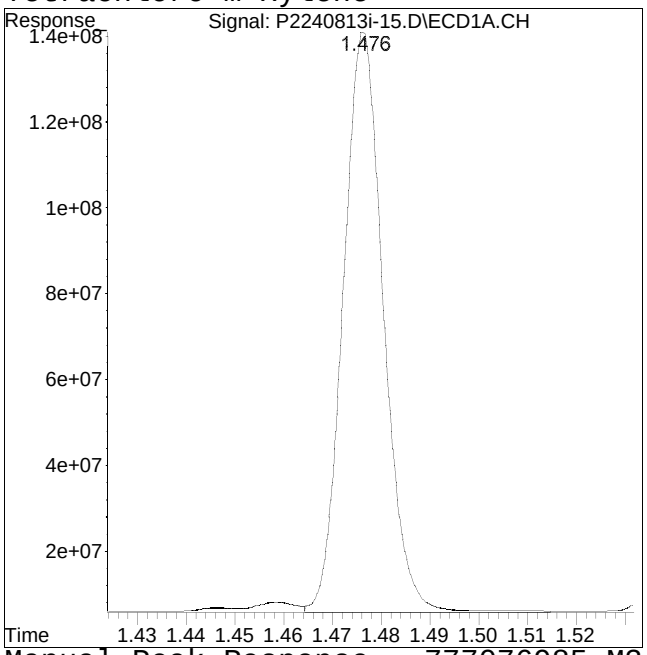


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



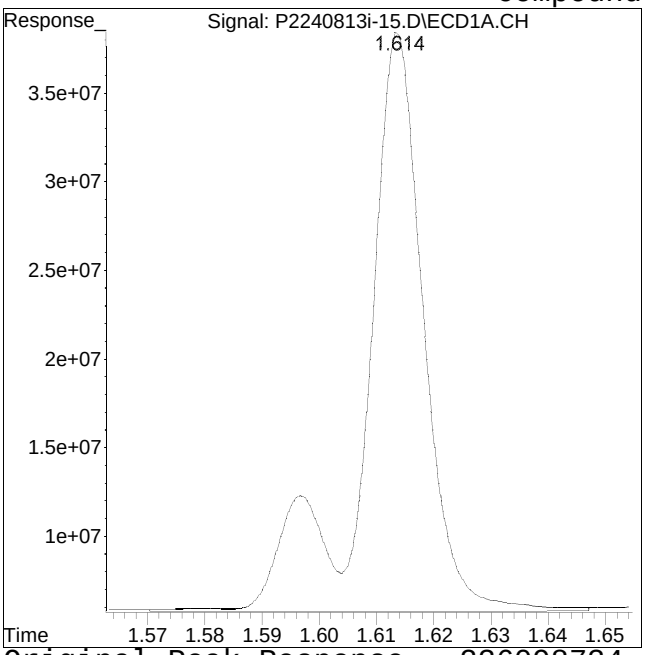


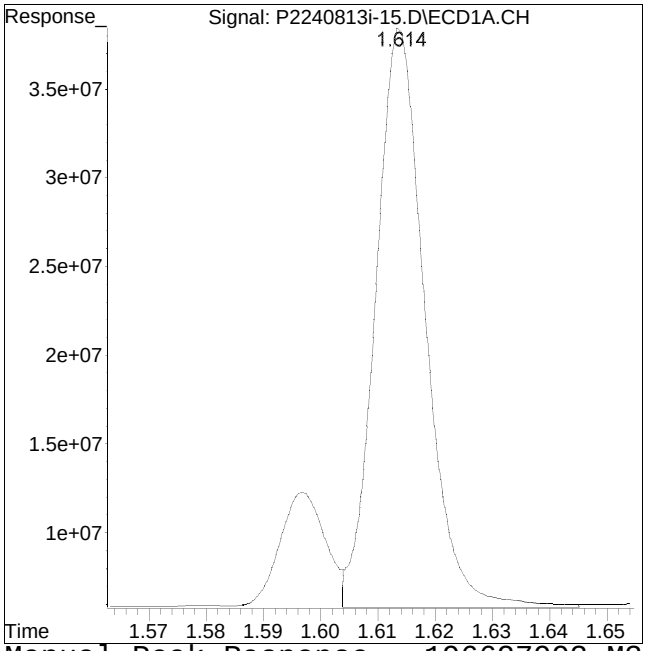
Original Peak Response = 797131902 Manual Peak Response = 777076985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #4: 1016-1



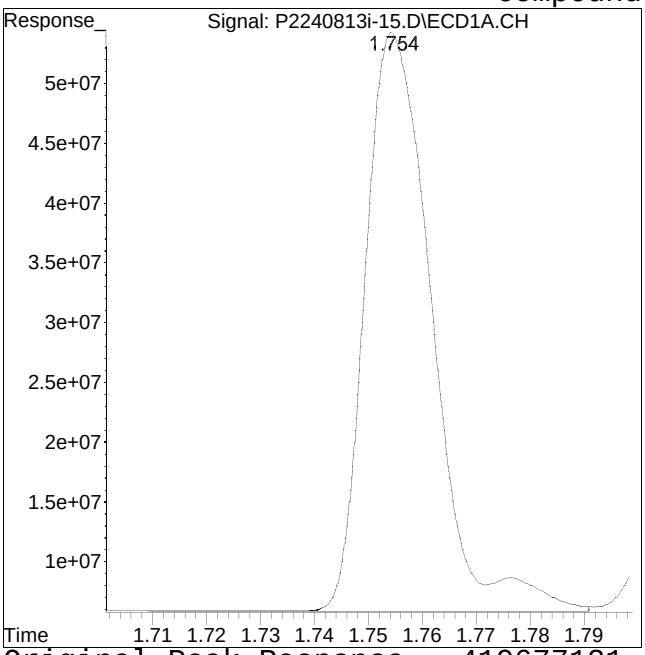


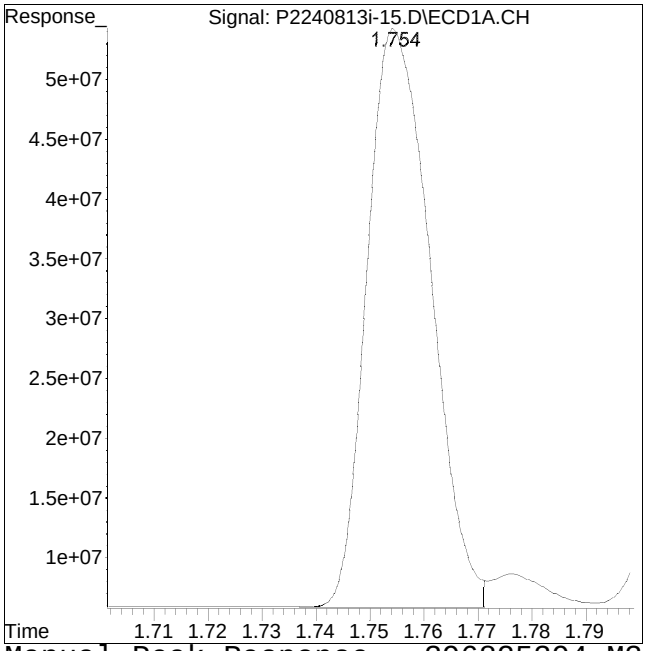
Original Peak Response = 236098734 Manual Peak Response = 196627993 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #5: 1016-2



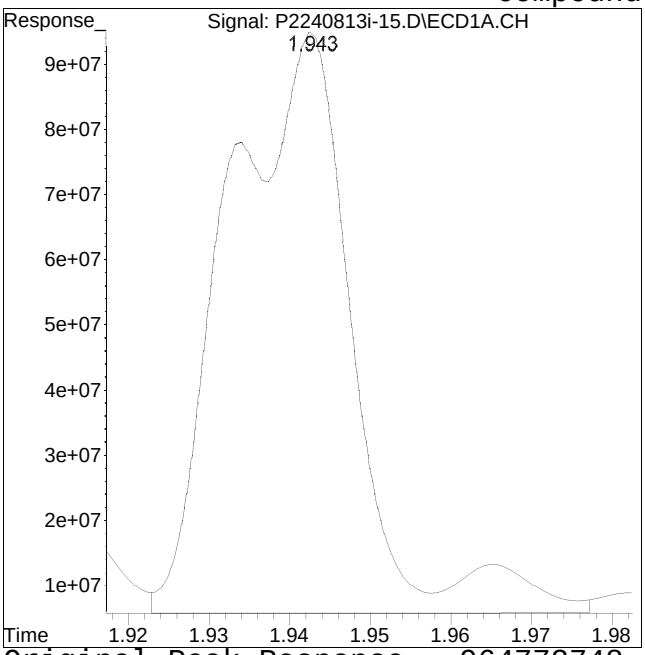


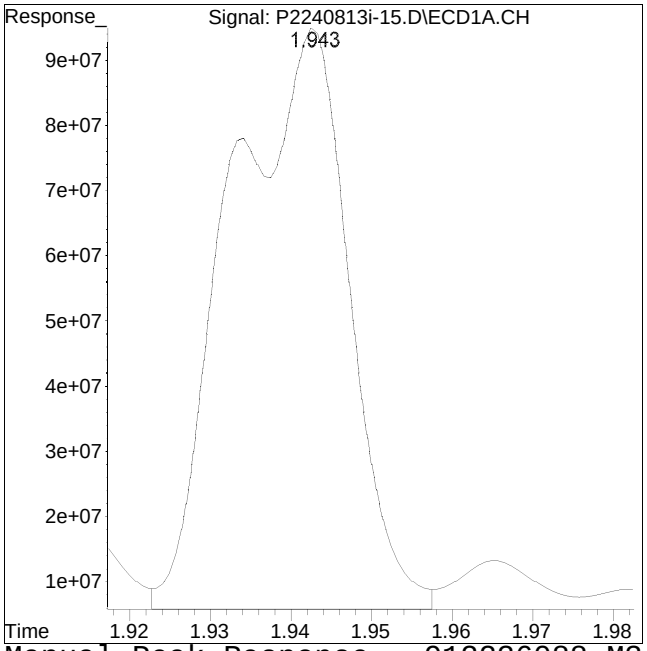
Original Peak Response = 419677121 Manual Peak Response = 396825394 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #6: 1016-3



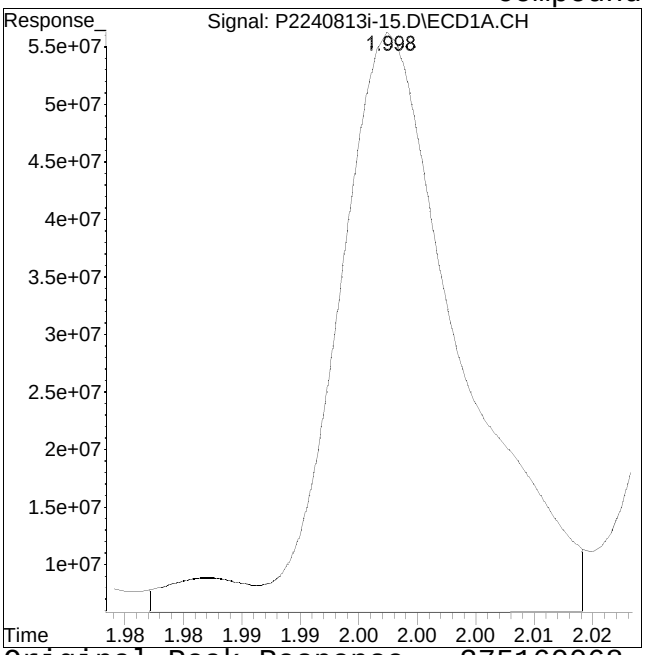


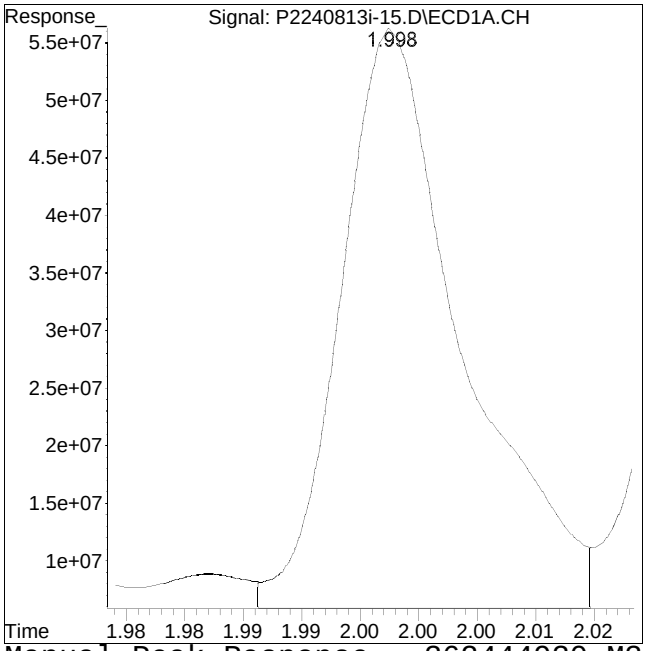
Original Peak Response = 964772748 Manual Peak Response = 912236088 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #7: 1016-4



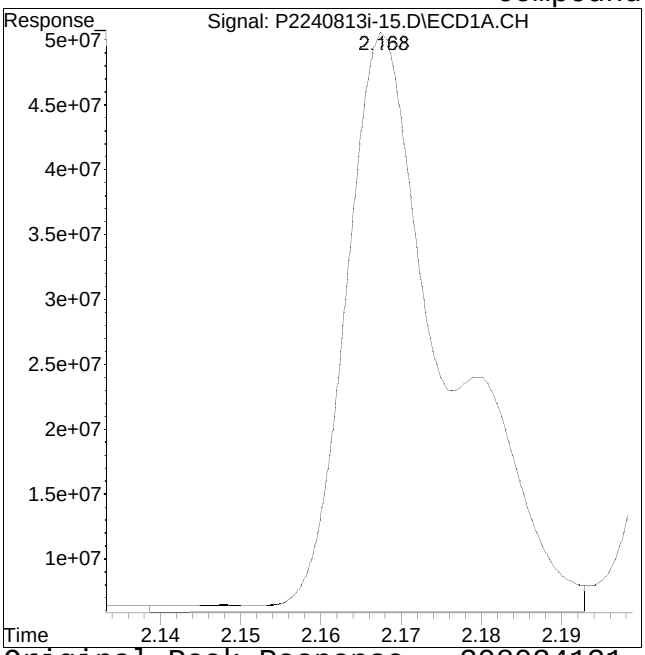


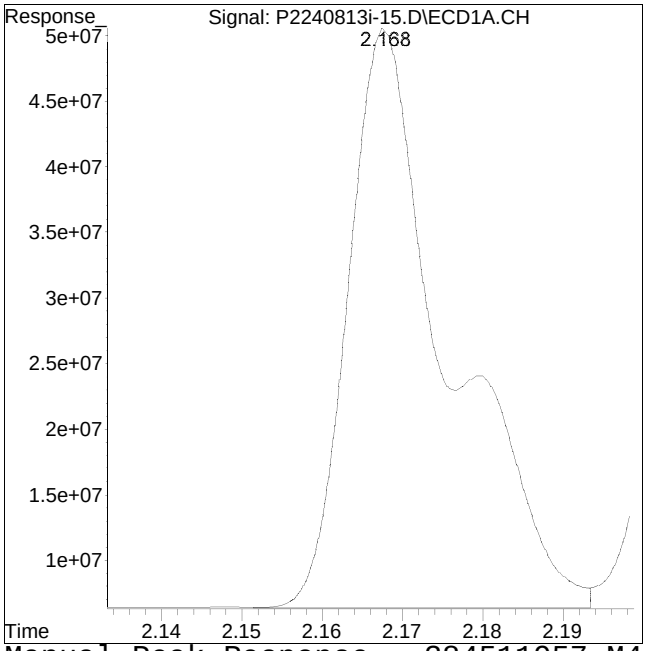
Original Peak Response = 375160068 Manual Peak Response = 362444930 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



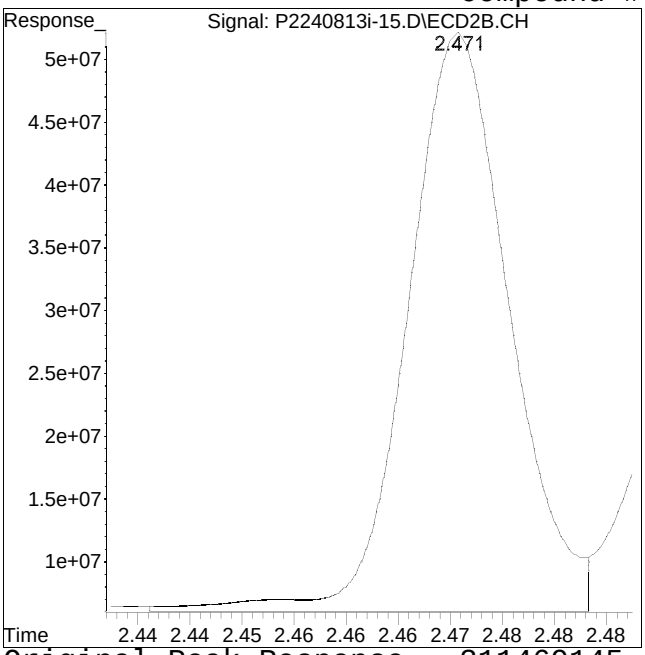


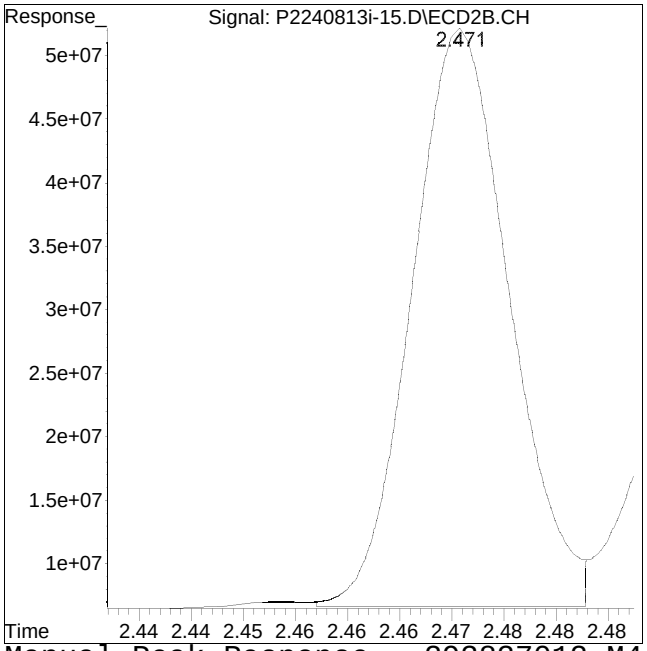
Original Peak Response = 398034131 Manual Peak Response = 384511957 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



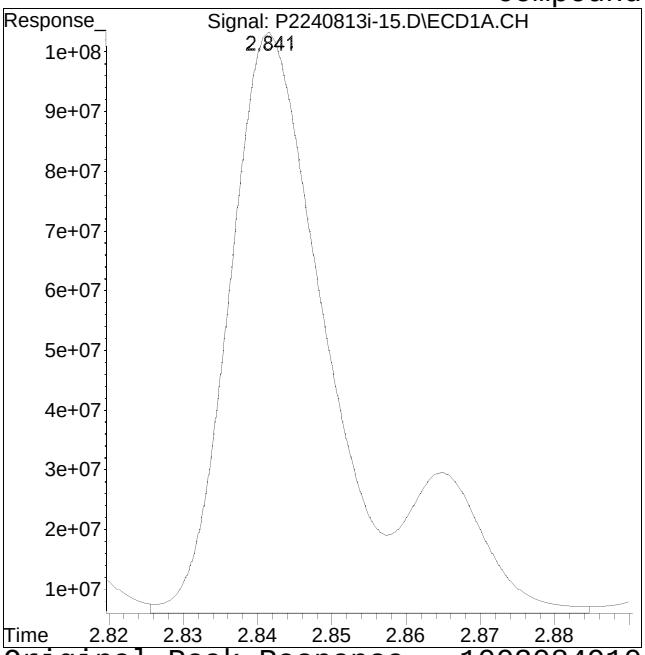


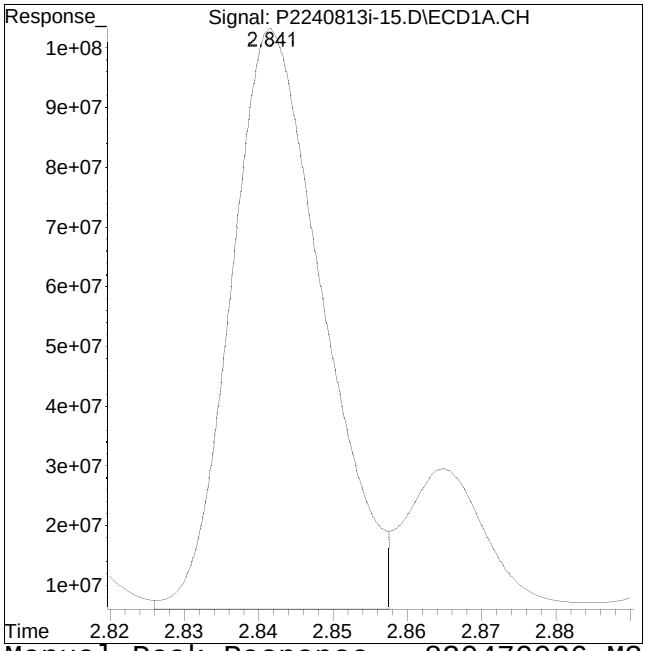
Original Peak Response = 311469145 Manual Peak Response = 293837012 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #10: 1260-2



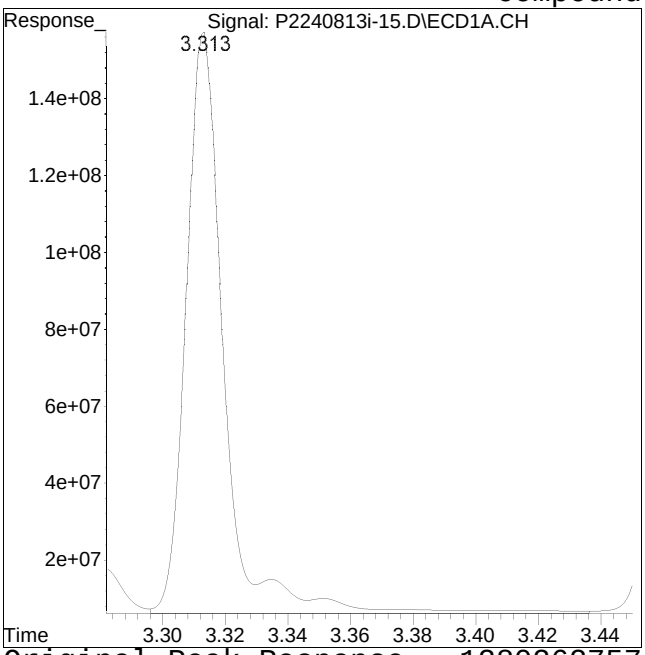


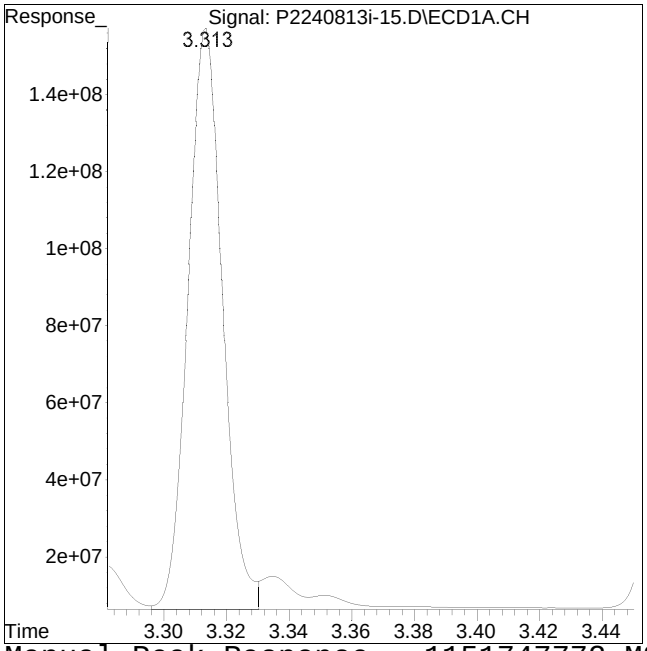
Original Peak Response = 1003084910 Manual Peak Response = 830470026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #12: 1260-4





Original Peak Response = 1280262757 Manual Peak Response = 1151747772 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.605	0.3	108	0.00
3	s	Decachlorobiphenyl		1.174	1.839	-56.6#	170#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
24	l6	1242-1		0.021	0.023	-9.5	106	0.00
25	l6	1242-2		0.043	0.047	-9.3	105	0.00
26	l6	1242-3		0.093	0.102	-9.7	106	0.00
27	l6	1242-4		0.040	0.043	-7.5	105	0.00
28	l6	1242-5		0.031	0.033	-6.5	104	0.00
29	l9	1268-1		0.201	0.231	-14.9	111	0.00
30	l9	1268-2		0.195	0.218	-11.8	109	0.00
31	l9	1268-3		0.155	0.159	-2.6	100	0.00
32	l9	1268-4		0.072	0.073	-1.4	99	0.00
33	l9	1268-5		0.471	0.453	3.8	94	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.503	0.5	110	0.00
3	s	Decachlorobiphenyl		1.009	1.477	-46.4#	167#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	100	0.00
24	l6	1242-1		0.020	0.022	-10.0	108	0.00
25	l6	1242-2		0.044	0.049	-11.4	110	0.00
26	l6	1242-3		0.089	0.097	-9.0	109	0.00
27	l6	1242-4		0.035	0.038	-8.6	107	0.00
28	l6	1242-5		0.029	0.032	-10.3	111	0.00
29	l9	1268-1		0.174	0.202	-16.1	116	0.00
30	l9	1268-2		0.158	0.178	-12.7	112	0.00
31	l9	1268-3		0.131	0.136	-3.8	104	0.00
32	l9	1268-4		0.060	0.061	-1.7	101	0.00
33	l9	1268-5		0.383	0.374	2.3	98	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	106	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4	0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5	0.104	0.000	100.0#	0#	-2.98#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	198.0E6	222.6E6	15.951M4	15.914
	Spiked Amount	20.000	Range 30 - 150		Recovery =	79.75%	79.57%
3) s	Decachlorobi	4.044	4.555	453.9E6	437.6E6	50.122	46.865
	Spiked Amount	20.000	Range 30 - 150		Recovery =	250.61%#	234.33%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.614	1.828	43860735	49886829	273.158	270.100
25) l6	1242-2	1.754	1.999	90218302	112.6E6	270.729M3	275.232
26) l6	1242-3	1.943	2.200	196.5E6	223.3E6	272.695	271.624
27) l6	1242-4	1.998	2.259	83662335	87060915	269.690	265.960M3
28) l6	1242-5	2.351	2.646	63914427	74093486	267.539	276.189
Sum	1242-1			478.1E6	547.0E6	1353.811	1359.105
Average	1242-1					270.762	271.821
29) l9	1268-1	3.476	3.901	445.1E6	467.3E6	286.846M3	290.480
30) l9	1268-2	3.497	3.927	421.0E6	411.1E6	280.008	280.642
31) l9	1268-3	3.600	4.069	307.1E6	313.9E6	257.659	258.561
32) l9	1268-4	3.787	4.221	141.5E6	140.5E6	254.928	251.015
33) l9	1268-5	3.941	4.407	874.2E6	866.7E6	240.861	244.594

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1268-1			2188.9E6	2199.6E6	1320.303	1325.292
Average	1268-1					264.061	265.058
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

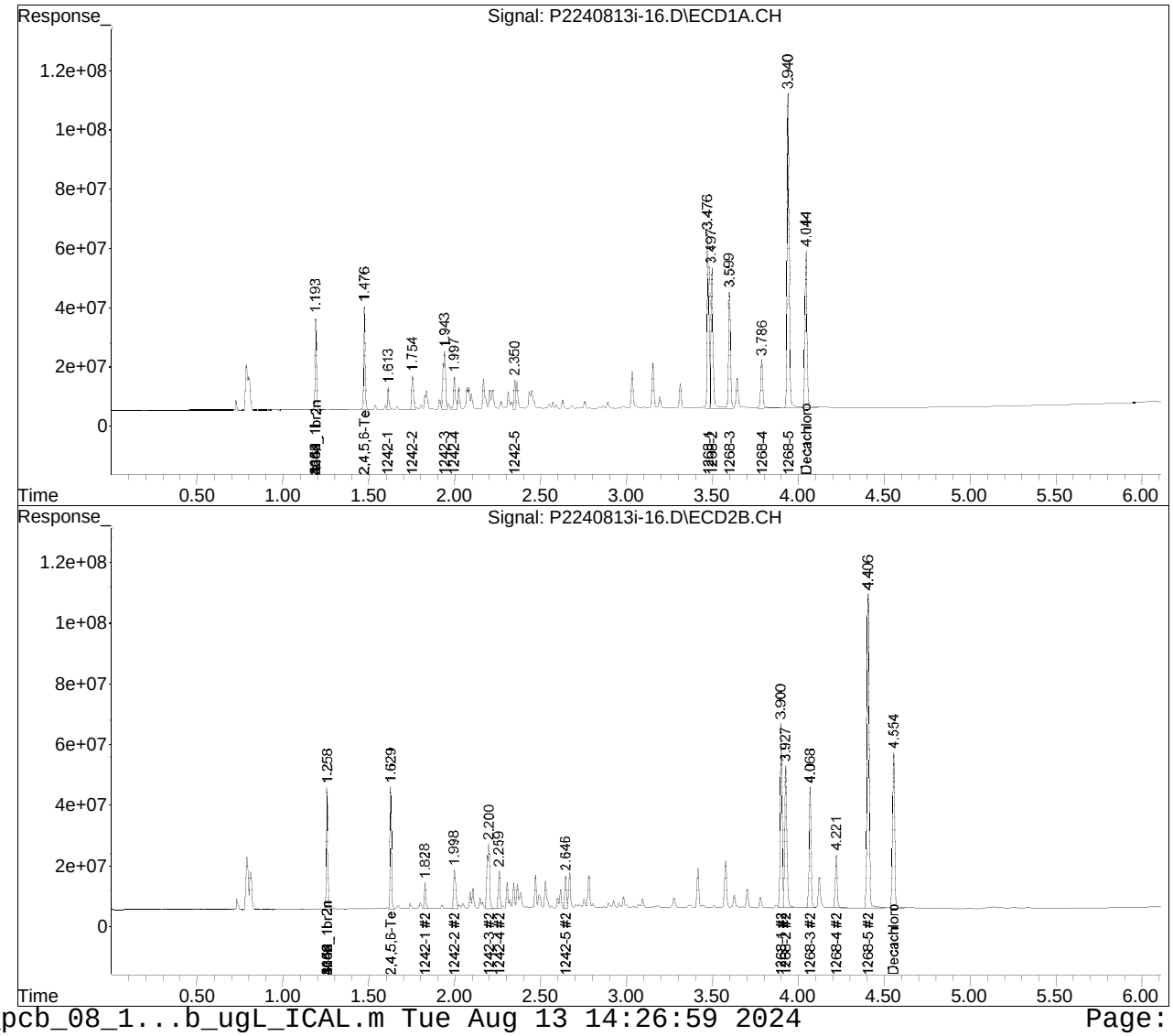
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

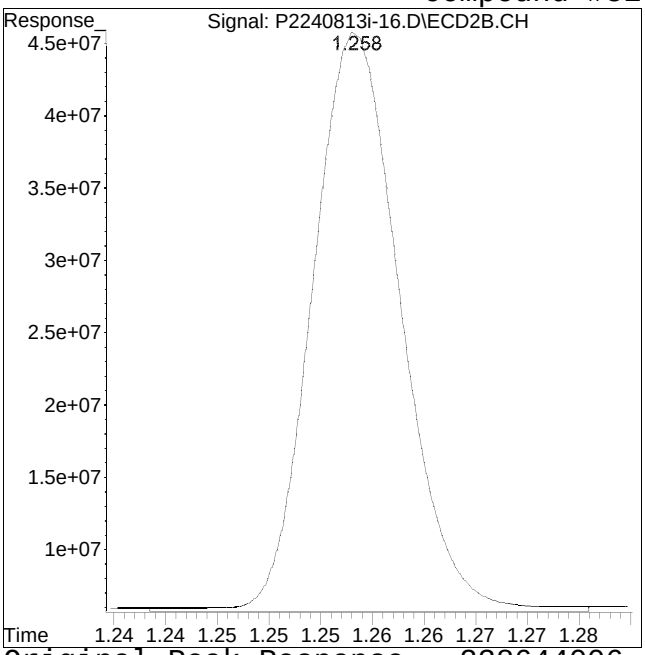
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

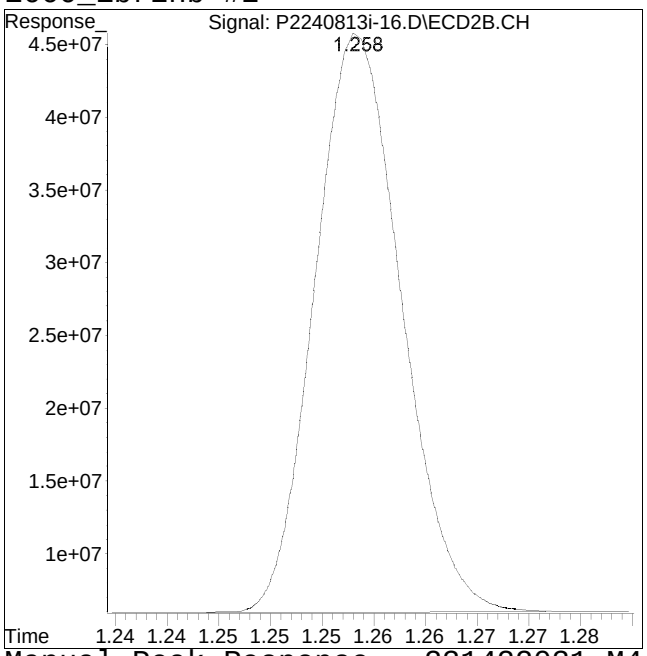


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #52: 1660_1br2nb #2



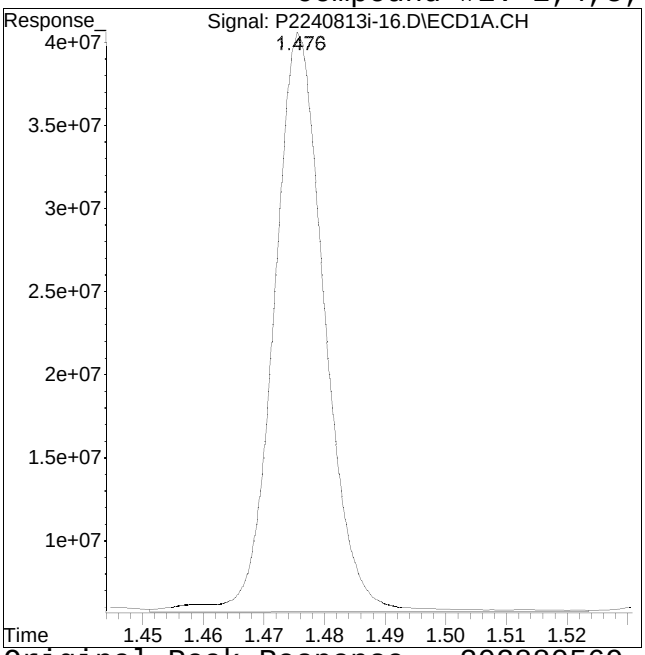


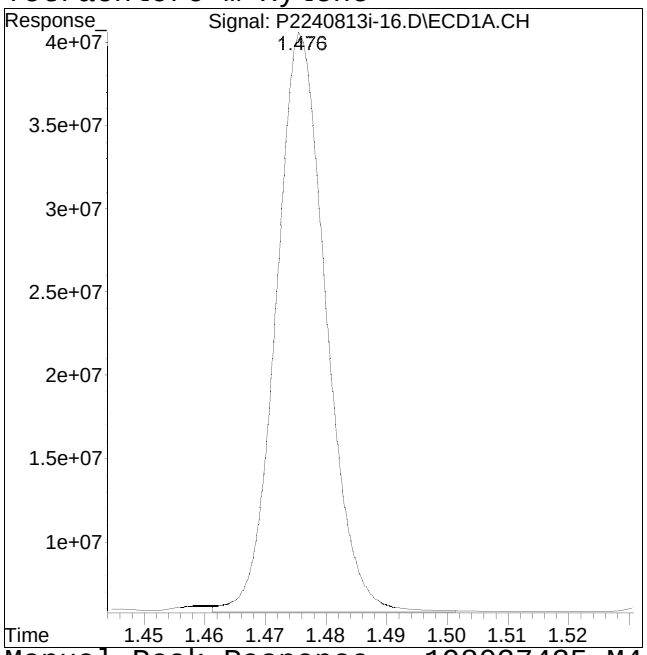
Original Peak Response = 238644006 Manual Peak Response = 231422031 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



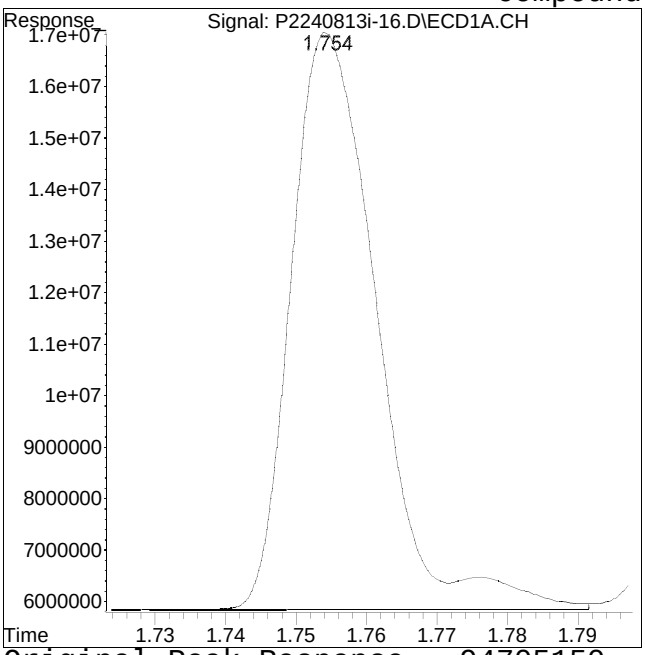


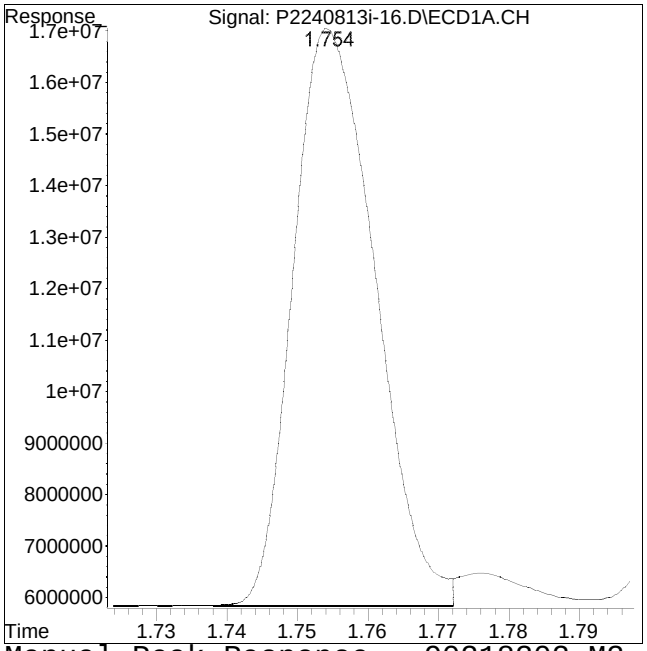
Original Peak Response = 202880569 Manual Peak Response = 198027435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #25: 1242-2



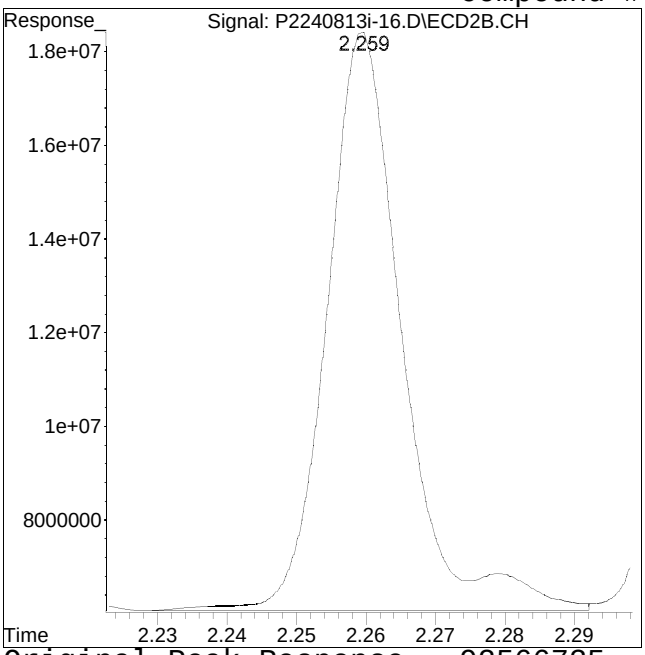


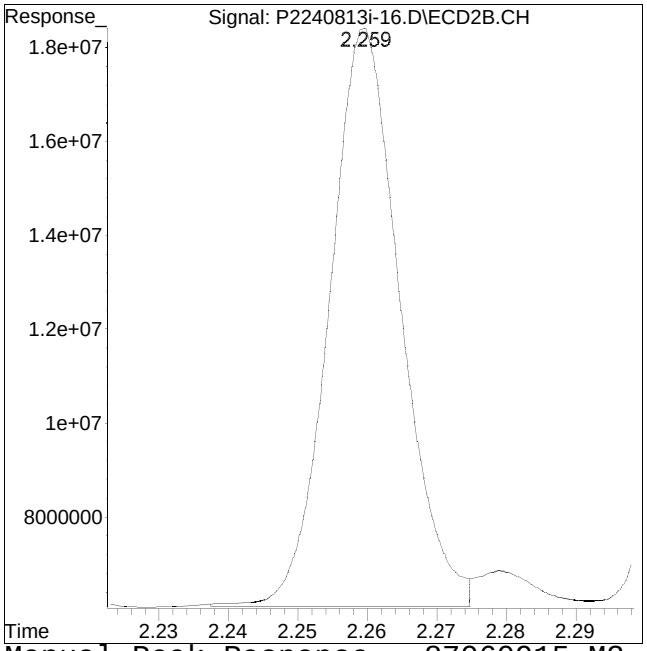
Original Peak Response = 94705150 Manual Peak Response = 90218302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #78: 1242-4 #2



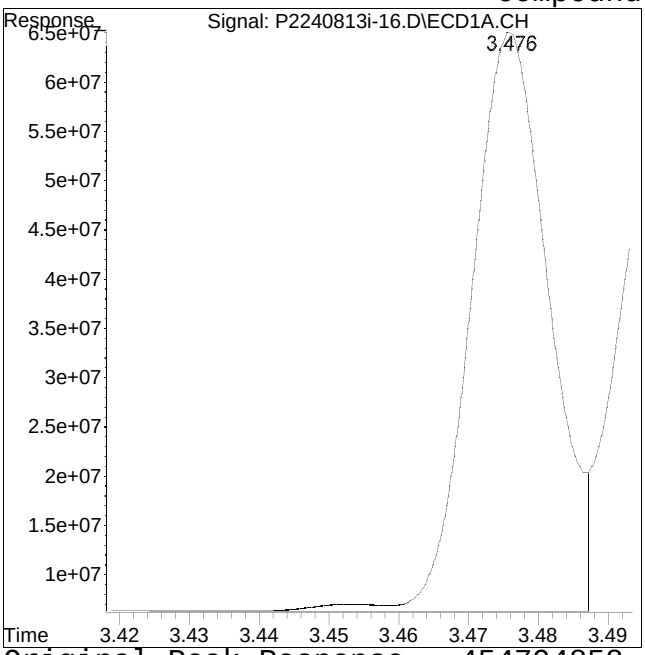


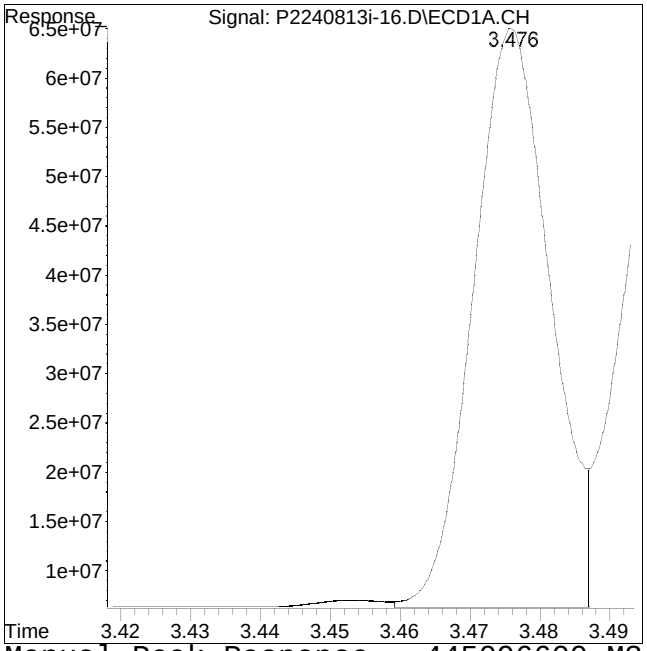
Original Peak Response = 92566735 Manual Peak Response = 87060915 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #29: 1268-1





Original Peak Response = 454794858 Manual Peak Response = 445096600 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	96	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.593	1.1	100	0.00
3	s	Decachlorobiphenyl		1.174	1.197	-2.0	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	95	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	91	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	97	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	100	0.00
41	l5	1232-1		0.031	0.035	-12.9	111	0.00
42	l5	1232-2		0.026	0.027	-3.8	103	0.00
43	l5	1232-3		0.058	0.058	0.0	99	0.00
44	l5	1232-4		0.025	0.026	-4.0	104	0.00
45	l5	1232-5		0.017	0.019	-11.8	113	0.00
46	l8	1262-1		0.089	0.083	6.7	93	0.00
47	l8	1262-2		0.113	0.106	6.2	93	0.00
48	l8	1262-3		0.098	0.092	6.1	93	0.00
49	l8	1262-4		0.184	0.178	3.3	96	0.00
50	l8	1262-5		0.061	0.058	4.9	95	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.434	5.1	100	0.00
3	s	Decachlorobiphenyl		1.009	0.960	4.9	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	96	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	101	0.00
41	l5	1232-1		0.029	0.032	-10.3	111	0.00
42	l5	1232-2		0.029	0.029	0.0	102	0.00
43	l5	1232-3		0.054	0.054	0.0	102	0.00
44	l5	1232-4		0.022	0.023	-4.5	104	0.00
45	l5	1232-5		0.016	0.018	-12.5	109	0.00
46	l8	1262-1		0.068	0.066	2.9	98	0.00
47	l8	1262-2		0.088	0.085	3.4	98	0.00
48	l8	1262-3		0.082	0.080	2.4	99	0.00
49	l8	1262-4		0.151	0.151	0.0	101	0.00
50	l8	1262-5		0.056	0.055	1.8	99	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4	0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5	0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1	0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2	0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3	0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4	0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5	0.031	0.000	100.0#	0#	-2.35#
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	184.4E6	203.5E6	15.829M3	15.189
	Spiked Amount	20.000	Range 30 - 150		Recovery =	79.14%	75.94%
3) s	Decachlorobi	4.045	4.554	277.0E6	272.5E6	32.604	30.463
	Spiked Amount	20.000	Range 30 - 150		Recovery =	163.02%#	152.32%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.613	1.828	62572906	70149079	279.054M3	275.415
42) l5	1232-2	1.755	1.999	49019122	64092354	257.830	251.091
43) l5	1232-3	1.943	2.201	104.2E6	120.8E6	248.093	251.950
44) l5	1232-4	1.997	2.260	46271422	50634720	260.875M1	256.983
45) l5	1232-5	2.350	2.647	33915434	38865180	283.561	268.330
Sum	1232-1			296.0E6	344.6E6	1329.412	1303.768
Average	1232-1					265.882	260.754
46) l8	1262-1	2.841	3.182	150.2E6	146.6E6	233.986	241.681
47) l8	1262-2	3.033	3.416	191.7E6	188.8E6	234.438	241.835
48) l8	1262-3	3.157	3.575	166.0E6	178.1E6	234.530	243.971
49) l8	1262-4	3.313	3.704	321.8E6	334.8E6	241.322	250.471
50) l8	1262-5	3.787	4.220	105.2E6	122.8E6	238.436	245.850
Sum	1262-1			935.0E6	971.2E6	1182.713	1223.808
Average	1262-1					236.543	244.762

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			935.0E6	971.2E6	1182.713	1223.808
Average	1262-1					236.543	244.762

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

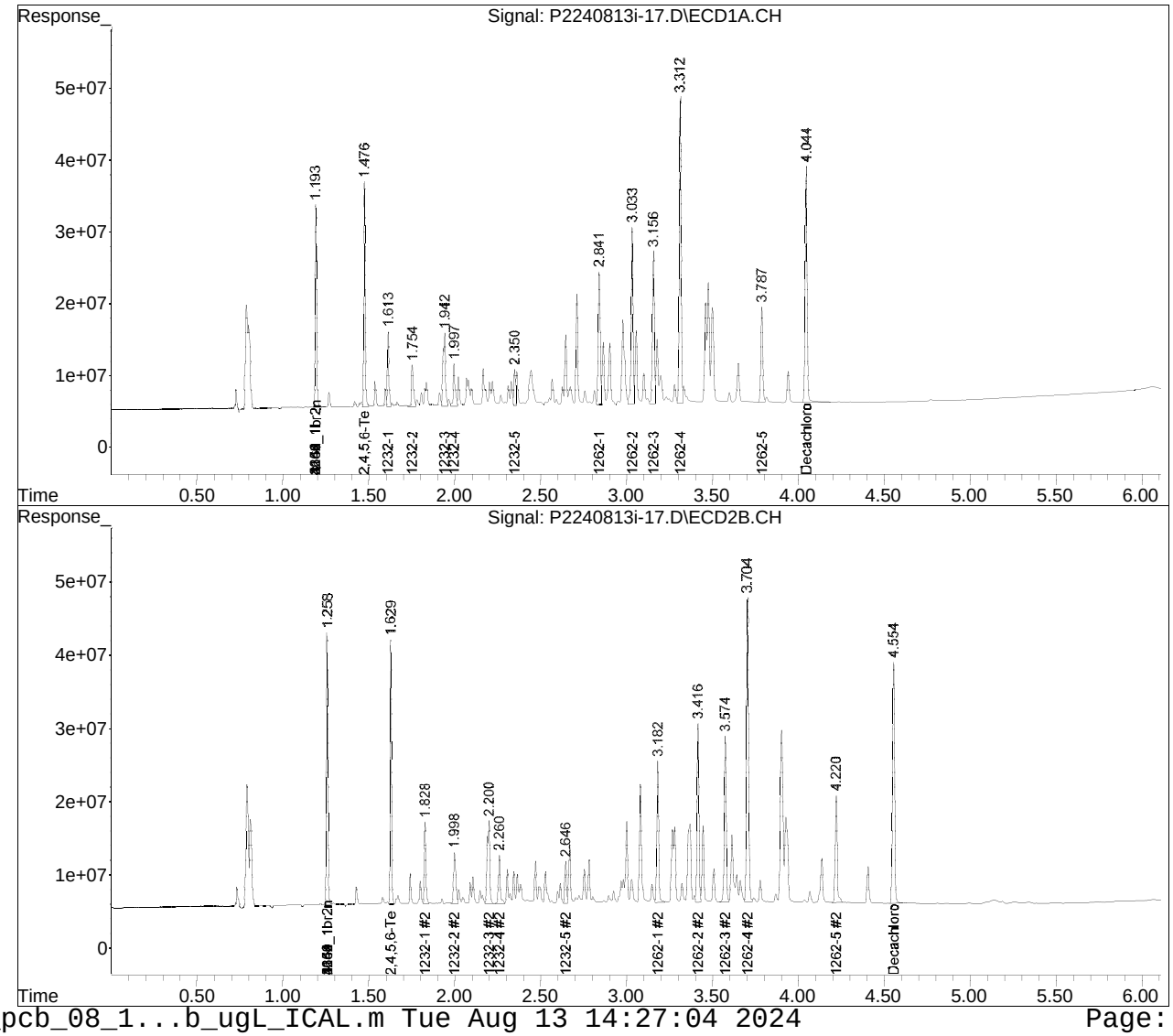
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

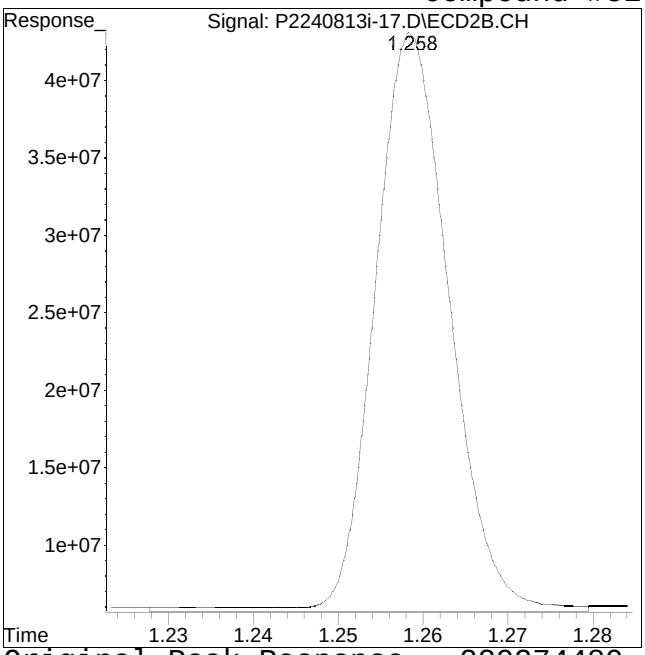
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

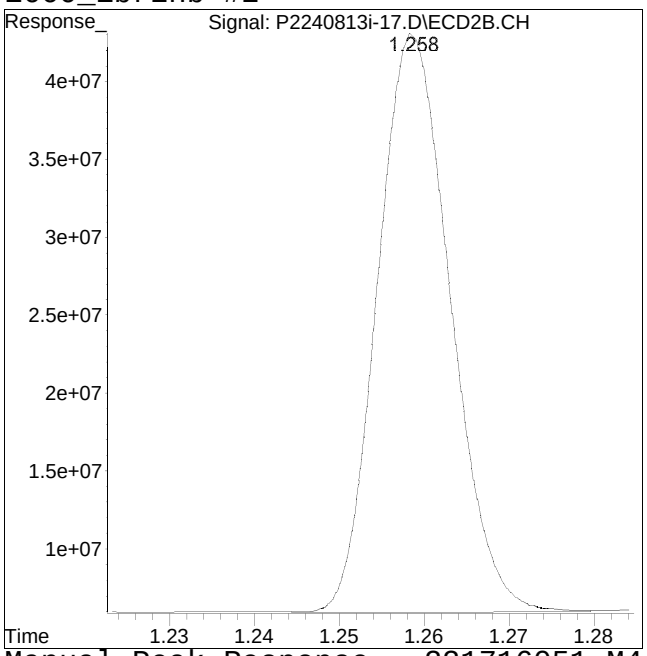


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #52: 1660_1br2nb #2



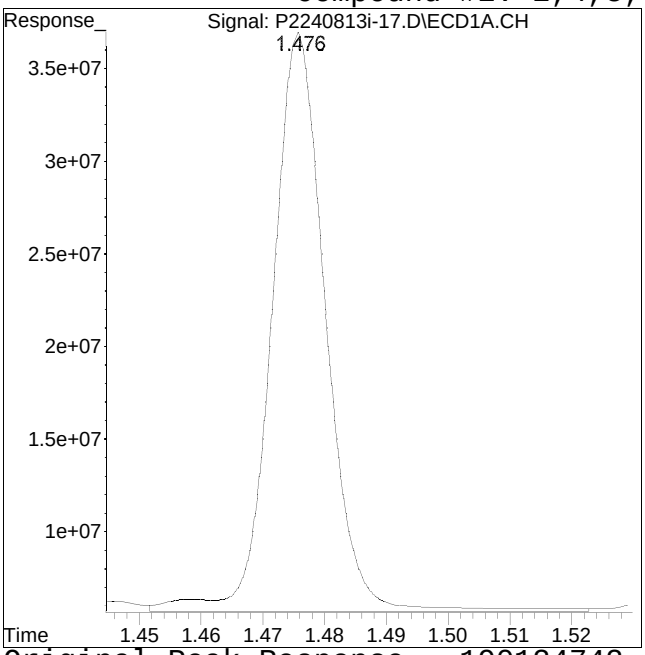


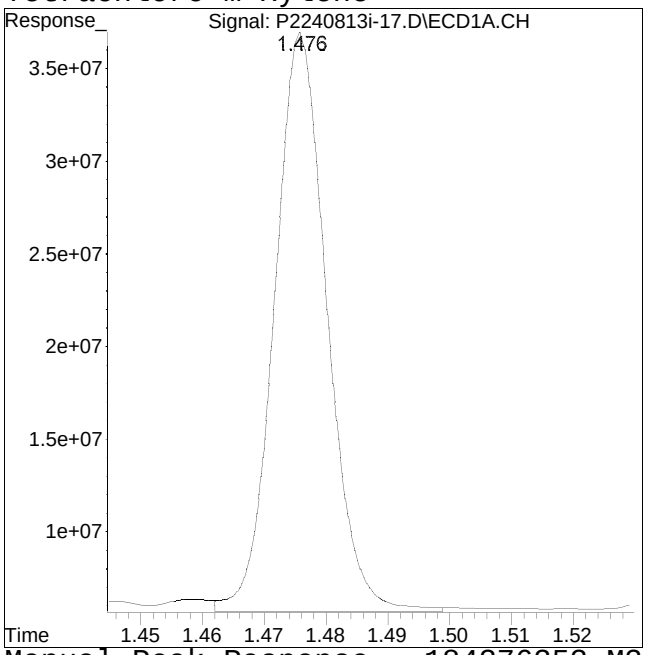
Original Peak Response = 229274489 Manual Peak Response = 221716051 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



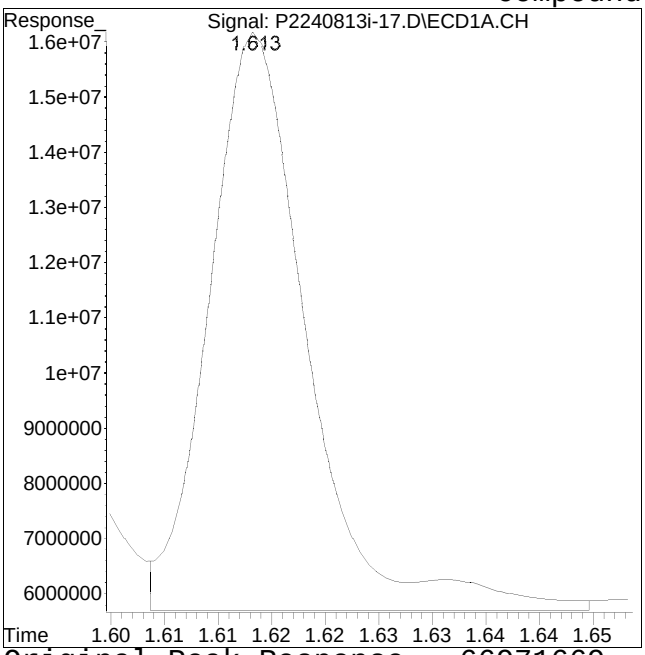


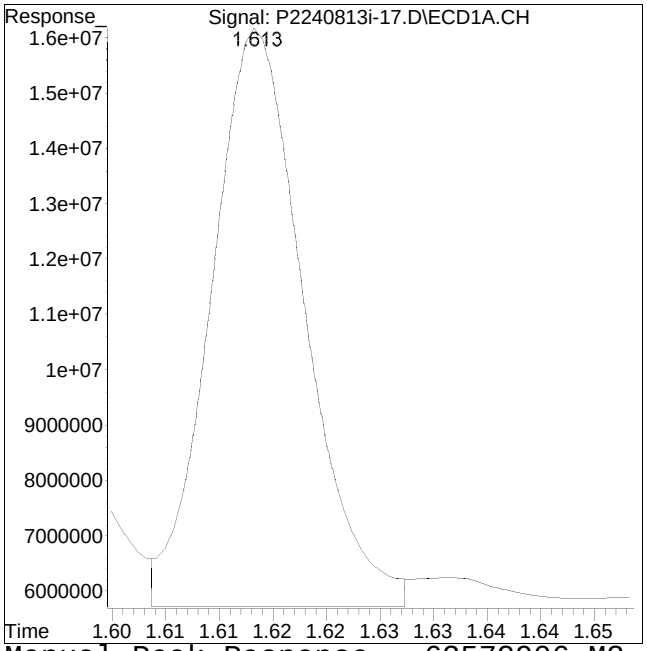
Original Peak Response = 190124742 Manual Peak Response = 184376353 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #41: 1232-1



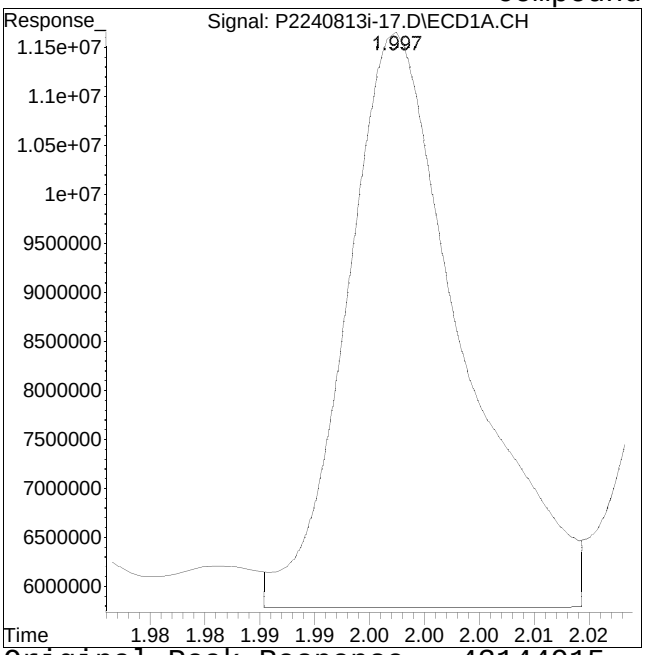


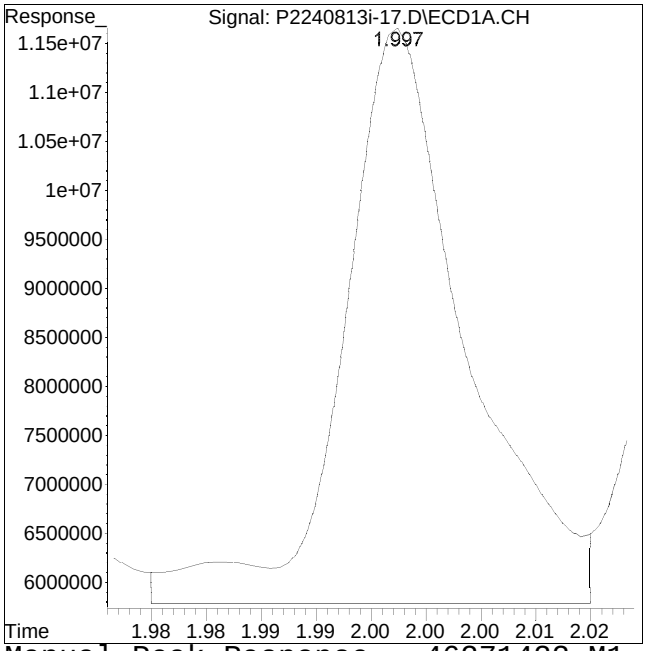
Original Peak Response = 66971669 Manual Peak Response = 62572906 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #44: 1232-4





Original Peak Response = 43144915 Manual Peak Response = 46271422 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.571	2.4	101	0.00
3	s	Decachlorobiphenyl		1.174	1.151	2.0	102	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	97	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	93	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	98	0.00
35	l7	1248-1		0.060	0.070	-16.7	116	0.00
36	l7	1248-2		0.078	0.075	3.8	95	0.00
37	l7	1248-3		0.069	0.068	1.4	96	0.00
38	l7	1248-4		0.058	0.060	-3.4	102	0.00
39	l7	1248-5		0.052	0.059	-13.5	113	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.434	5.1	101	0.00
3	s	Decachlorobiphenyl		1.009	0.954	5.5	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
35	l7	1248-1		0.059	0.068	-15.3	118	0.00
36	l7	1248-2		0.041	0.039	4.9	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
37	l7	1248-3		0.051	0.048	5.9	97	0.00
38	l7	1248-4		0.056	0.054	3.6	100	0.00
39	l7	1248-5		0.063	0.064	-1.6	103	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4		0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5		0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15	l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.037	0.000	100.0#	0#	-1.83#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	185.5E6	205.2E6	15.615M4	15.191M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	78.08%	75.96%
3) s	Decachlorobi	4.045	4.554	271.7E6	273.0E6	31.358	30.272
	Spiked Amount	20.000	Range 30 - 150		Recovery =	156.79%#	151.36%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	l7 1248-1	1.942	2.200	129.1E6	151.7E6	293.331	287.589
36)	l7 1248-2	2.071	2.345	138.8E6	87201666	242.296M1	237.166
37)	l7 1248-3	2.167	2.471	125.1E6	106.9E6	244.306M4	236.567
38)	l7 1248-4	2.350	2.646	110.5E6	121.6E6	259.706	242.388
39)	l7 1248-5	2.363	2.670	109.4E6	141.9E6	286.768	250.833
	Sum 1248-1			612.9E6	609.3E6	1326.406	1254.543
Average	1248-1					265.281	250.909
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

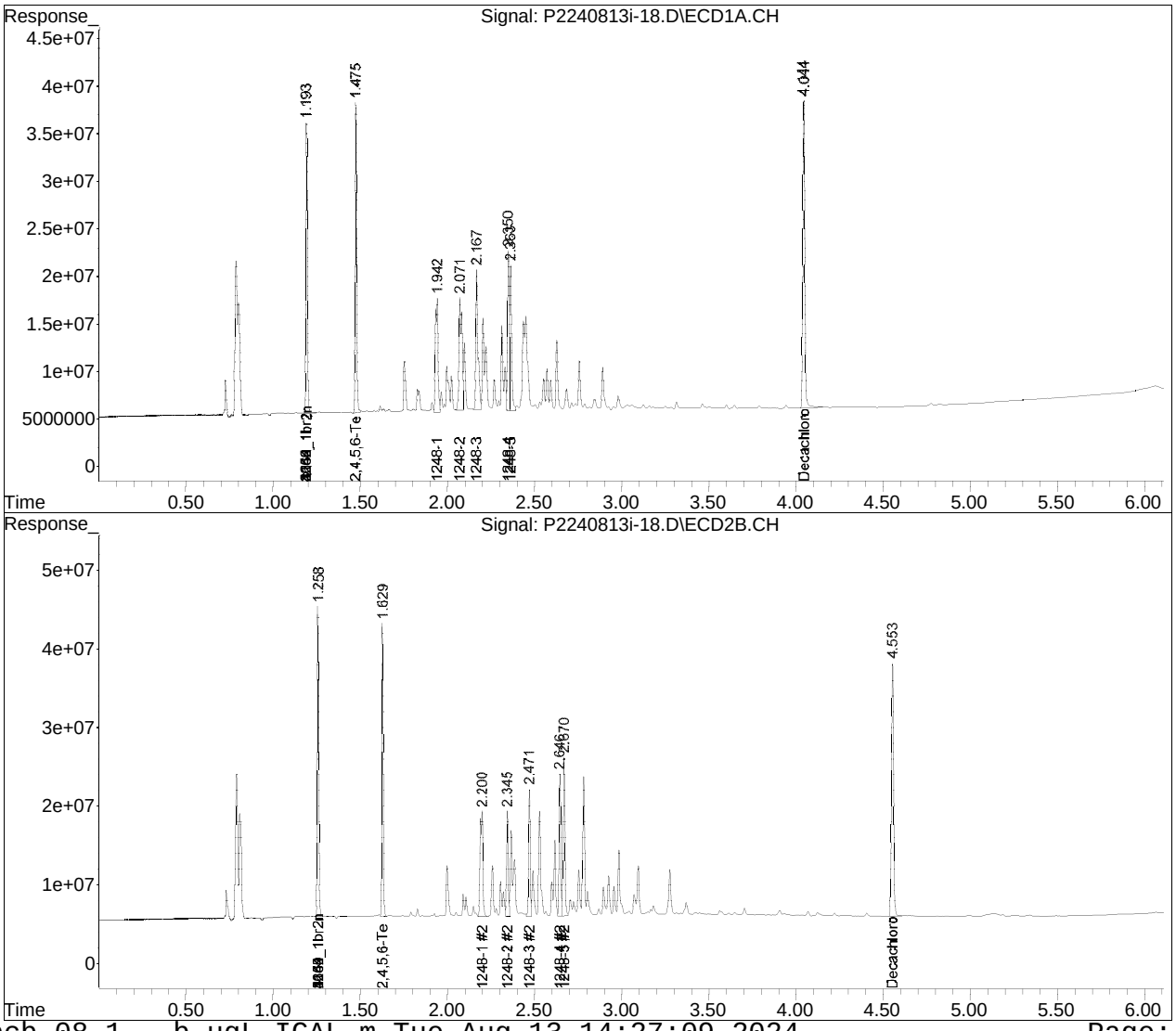
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

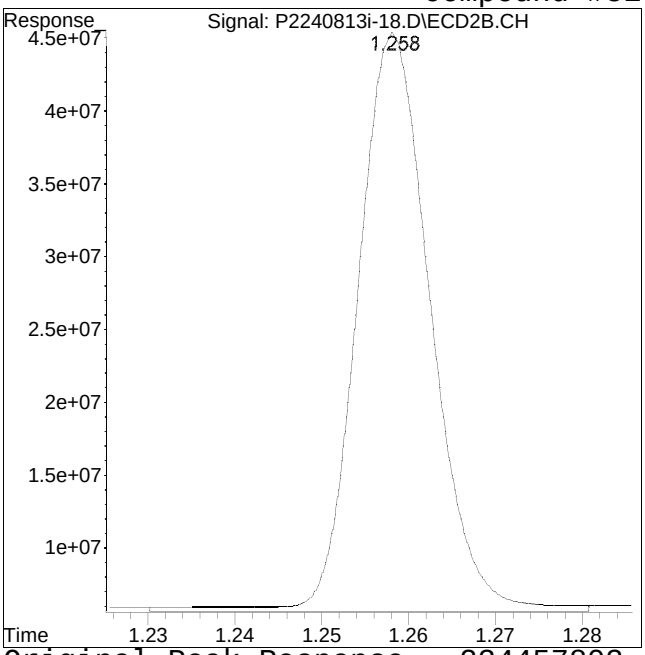
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

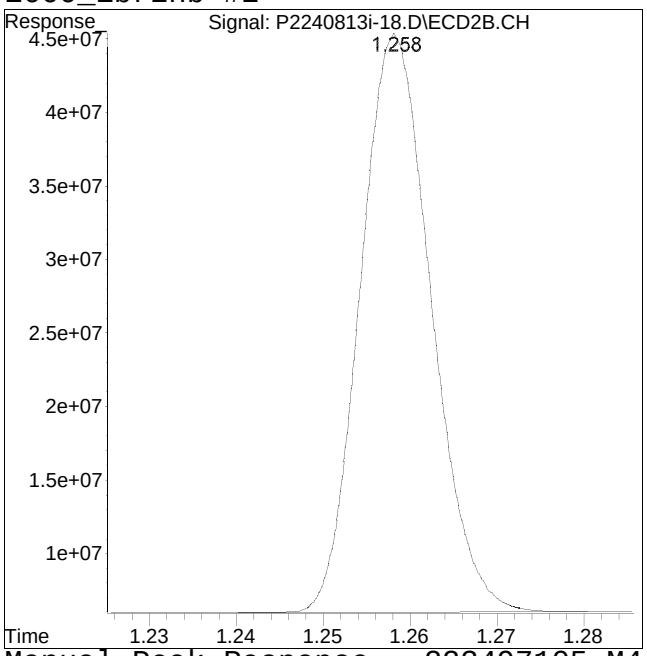


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #52: 1660_1br2nb #2



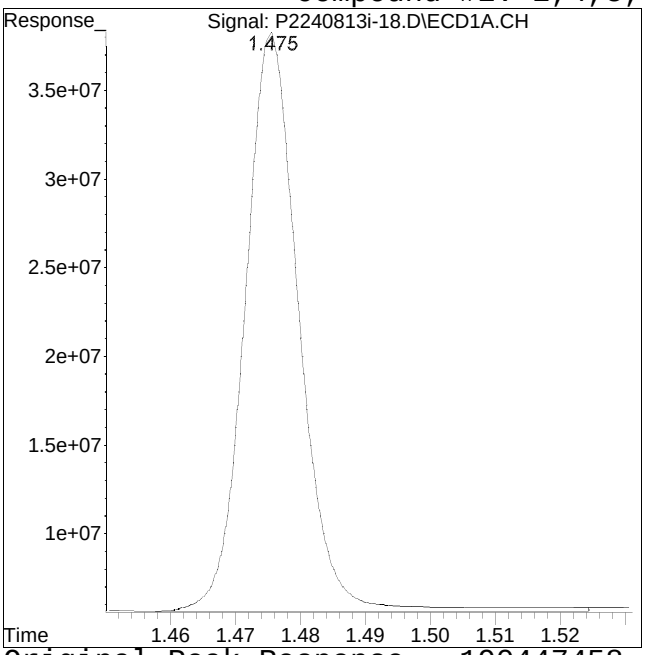


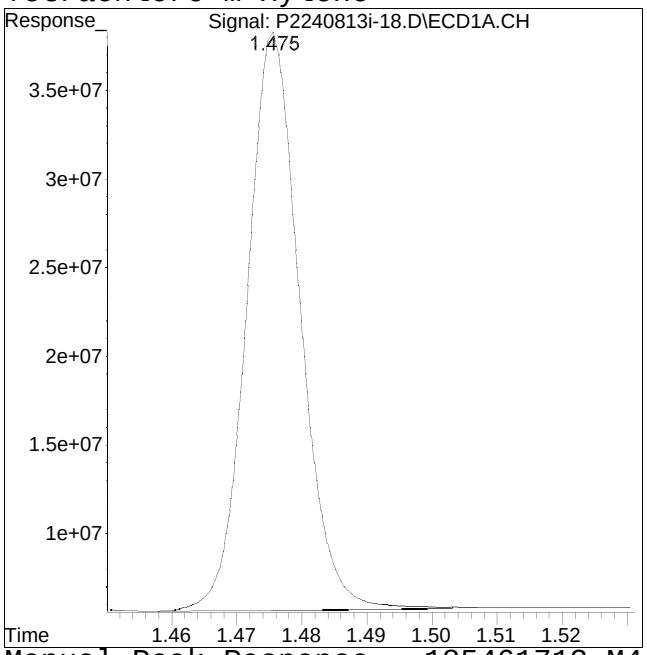
Original Peak Response = 234457803 Manual Peak Response = 223497105 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



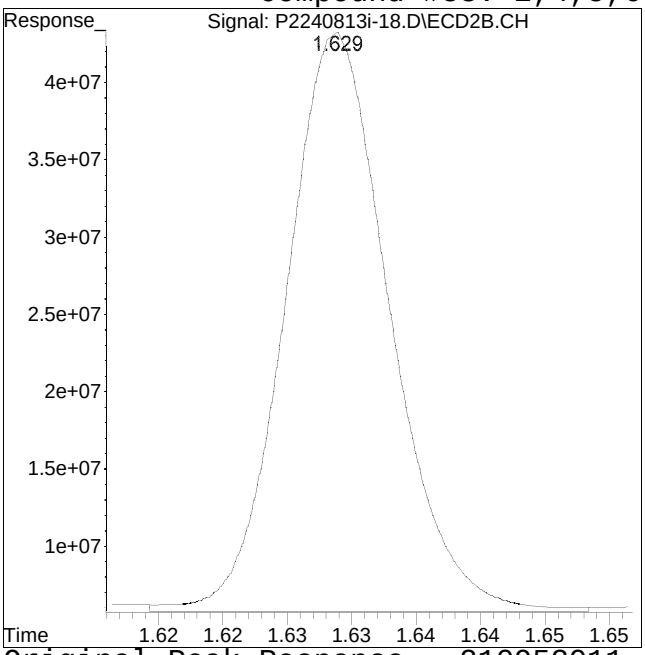


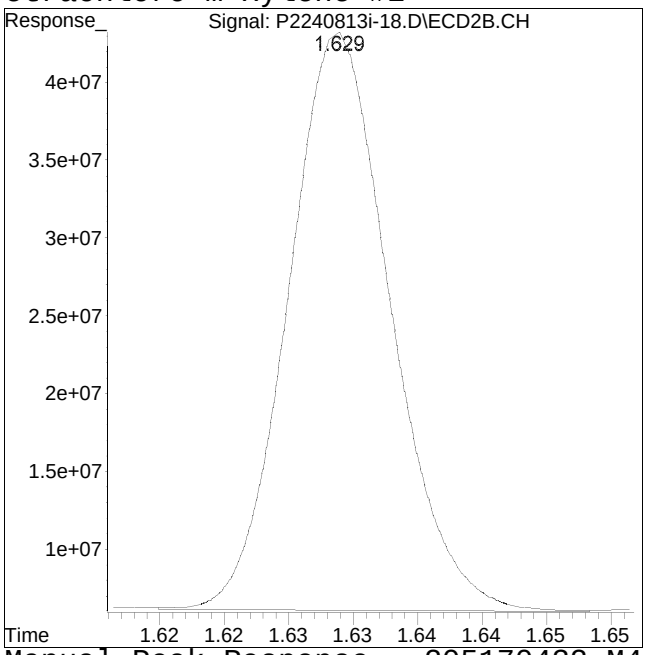
Original Peak Response = 190447458 Manual Peak Response = 185461713 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



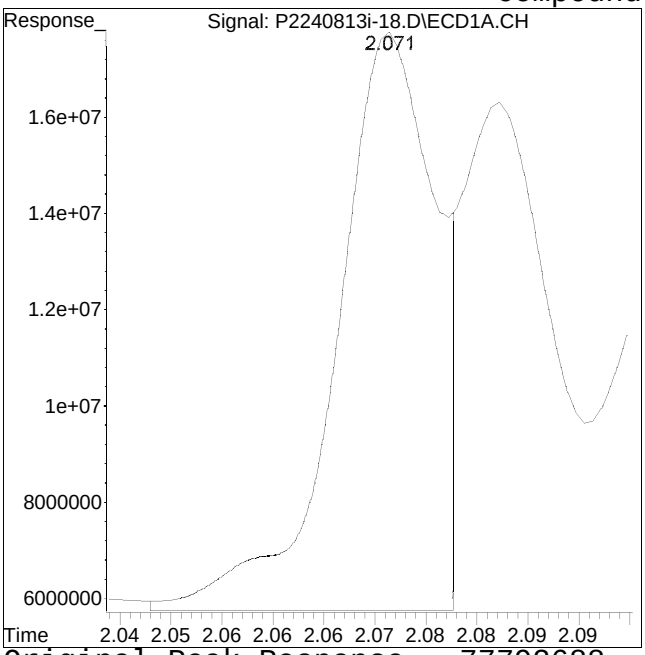


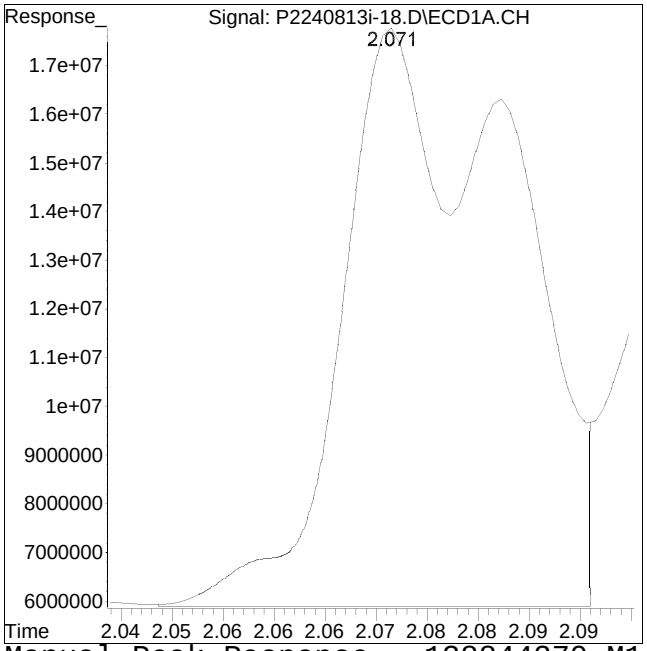
Original Peak Response = 210952911 Manual Peak Response = 205170432 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #36: 1248-2



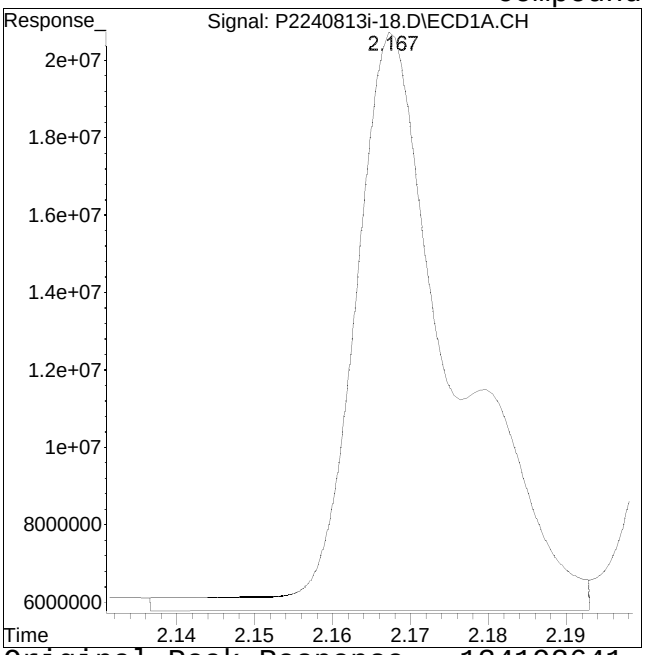


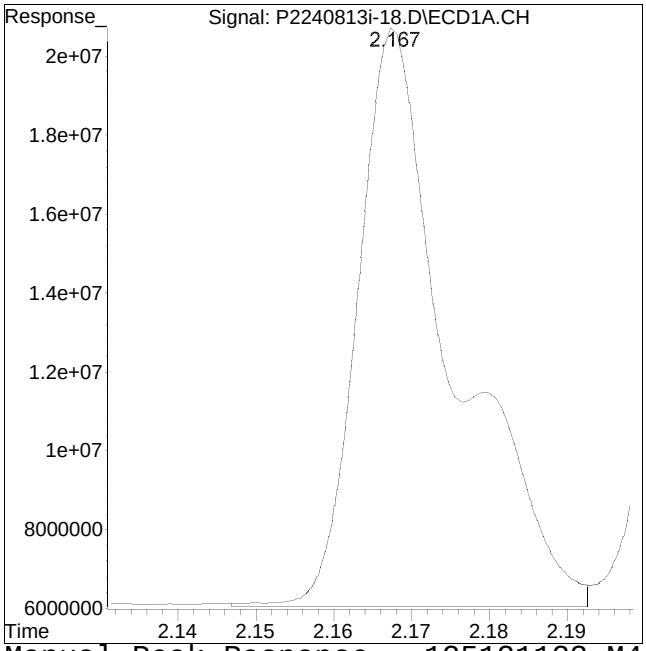
Original Peak Response = 77792688 Manual Peak Response = 138844270 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #37: 1248-3





Original Peak Response = 134192641 Manual Peak Response = 125121123 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.490	7.5	100	0.00
3	s	Decachlorobiphenyl		1.174	1.105	5.9	102	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
15	l3	1221-2		0.017	0.016	5.9	94	0.00
16	l3	1221-3		0.01025	0.00874	14.7	86	0.00
17	l3	1221-4		0.041	0.036	12.2	90	0.00
18	l4	1254-1		0.054	0.051	5.6	95	0.00
19	l4	1254-2		0.097	0.094	3.1	98	0.00
20	l4	1254-3		0.108	0.103	4.6	96	0.00
21	l4	1254-4		0.075	0.072	4.0	96	0.00
22	l4	1254-5		0.104	0.093	10.6	90	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.396	7.6	100	0.00
3	s	Decachlorobiphenyl		1.009	0.925	8.3	103	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
15	l3	1221-2		0.018	0.015	16.7	85	0.00
16	l3	1221-3		0.01084	0.00972	10.3	90	0.00
17	l3	1221-4		0.037	0.035	5.4	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1		0.057	0.058	-1.8	102	0.00
19	l4	1254-2		0.067	0.065	3.0	98	0.00
20	l4	1254-3		0.100	0.099	1.0	100	0.00
21	l4	1254-4		0.068	0.066	2.9	99	0.00
22	l4	1254-5		0.096	0.086	10.4	89	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	99	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	105	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	104	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#
29	l9	1268-1		0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2		0.195	0.000	100.0#	0#	-3.50#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.104	0.000	100.0#	0#	-3.90#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
14) i	2154_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	182.9E6	203.6E6	14.809M4	14.781M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	74.04%	73.91%
3) s	Decachlorobi	4.044	4.553	271.2E6	269.8E6	30.102	29.340
	Spiked Amount	20.000	Range 30 - 150		Recovery =	150.51%#	146.70%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	1.538	1.743	30125011	34003592	234.102	211.937
16) l3	1221-3	1.596	1.801	16767374	22156062	213.323M3	224.137M3
17) l3	1221-4	1.613	1.828	69827860	78980789	224.504M3	233.026M4
Sum	1221-2			116.7E6	135.1E6	671.929	669.100
Average	1221-2					223.976	223.033
18) l4	1254-1	2.331	2.668	97856388	132.0E6	235.696M3	253.443
19) l4	1254-2	2.444	2.755	181.1E6	148.2E6	244.275M3	243.295
20) l4	1254-3	2.628	2.984	197.7E6	226.3E6	238.742	248.631
21) l4	1254-4	2.757	3.095	138.1E6	150.7E6	239.609	244.822M3
22) l4	1254-5	2.980	3.371	178.9E6	194.9E6	224.007	222.226M3
Sum	1254-1			793.6E6	852.0E6	1182.330	1212.417
Average	1254-1					236.466	242.483
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

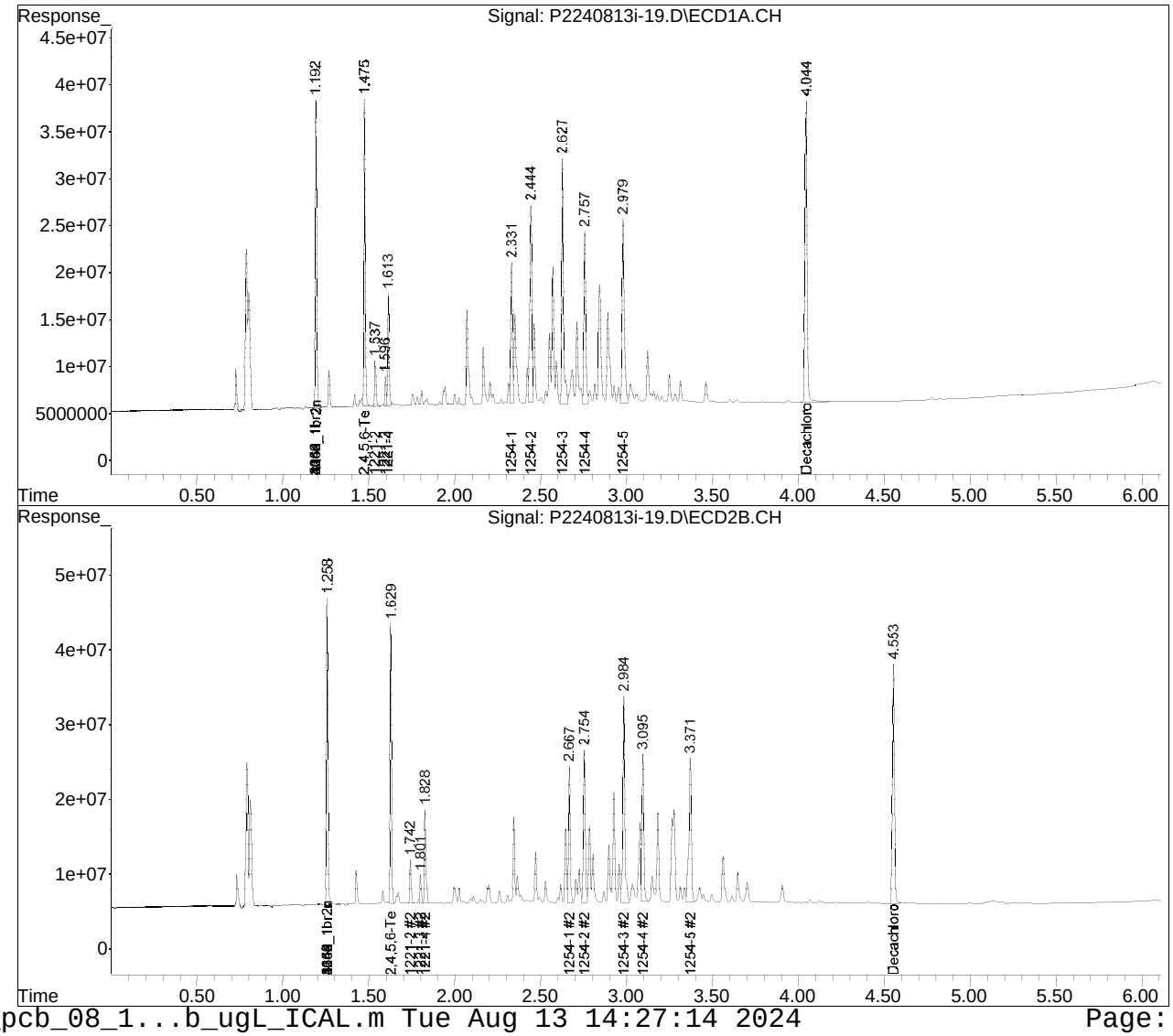
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

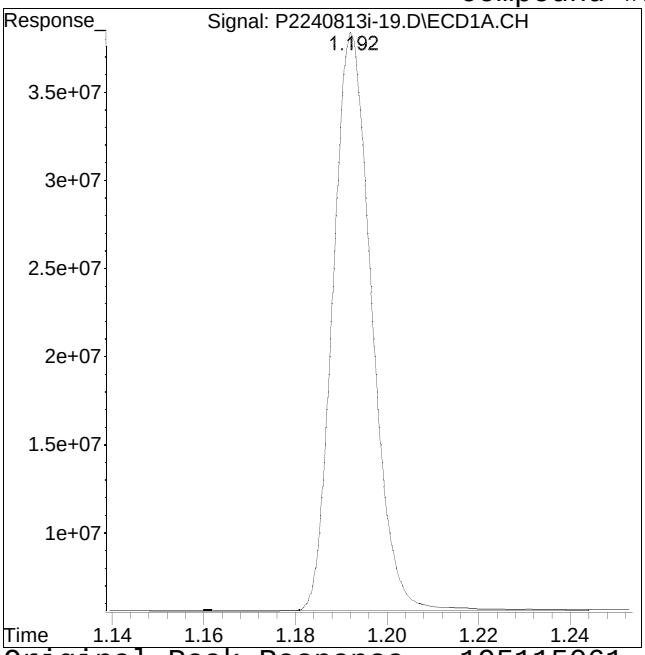
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

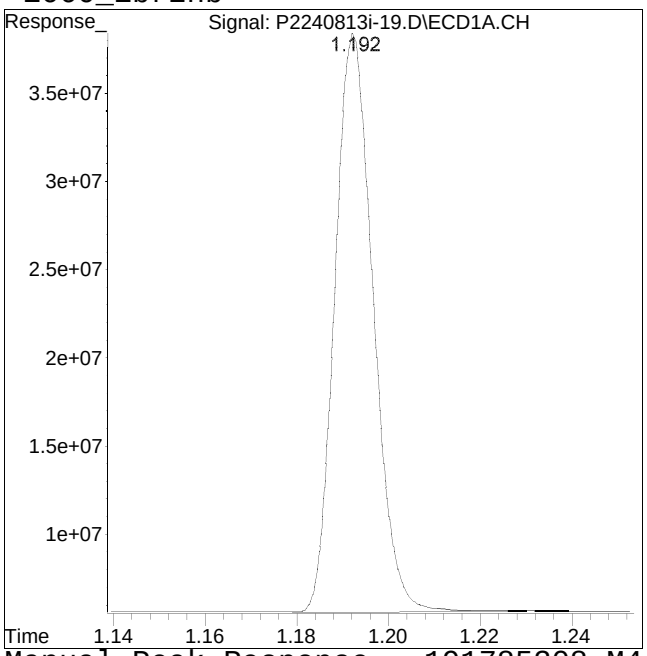


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #1: 1660_1br2nb



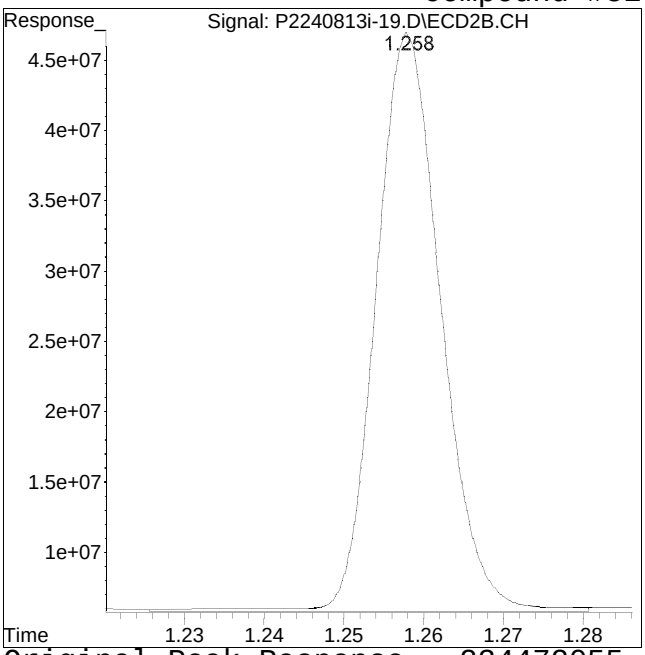


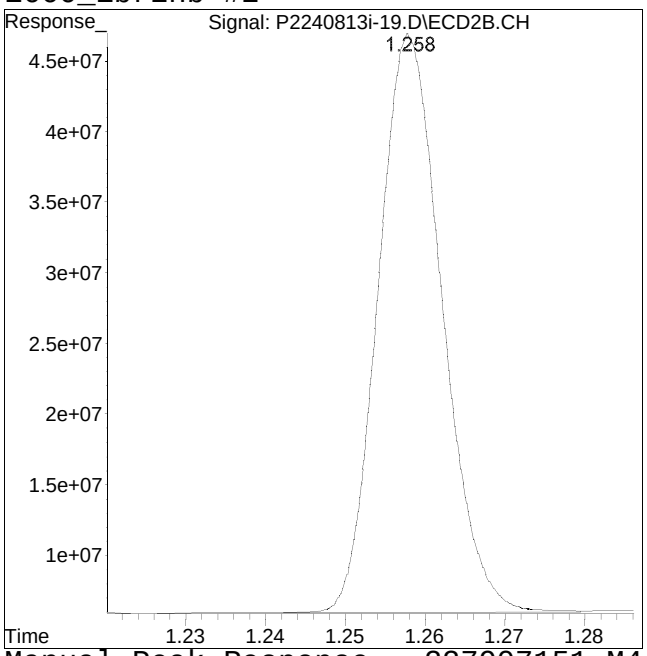
Original Peak Response = 195115061 Manual Peak Response = 191785308 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #52: 1660_1br2nb #2



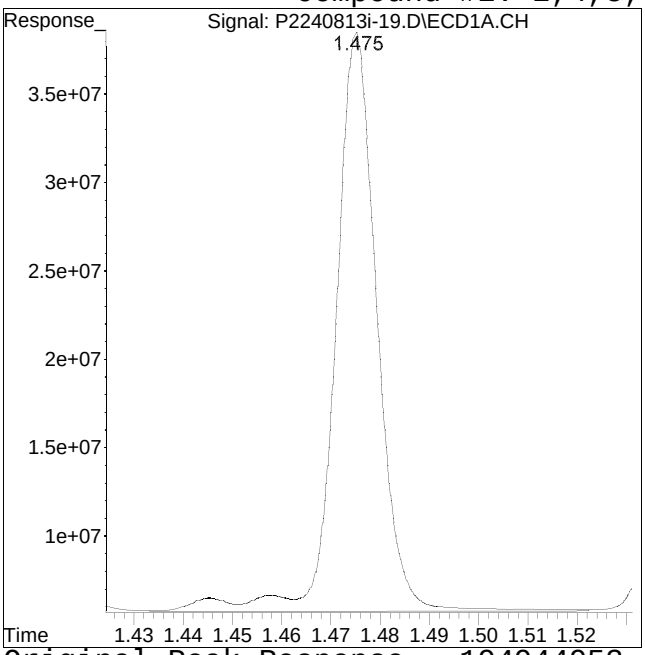


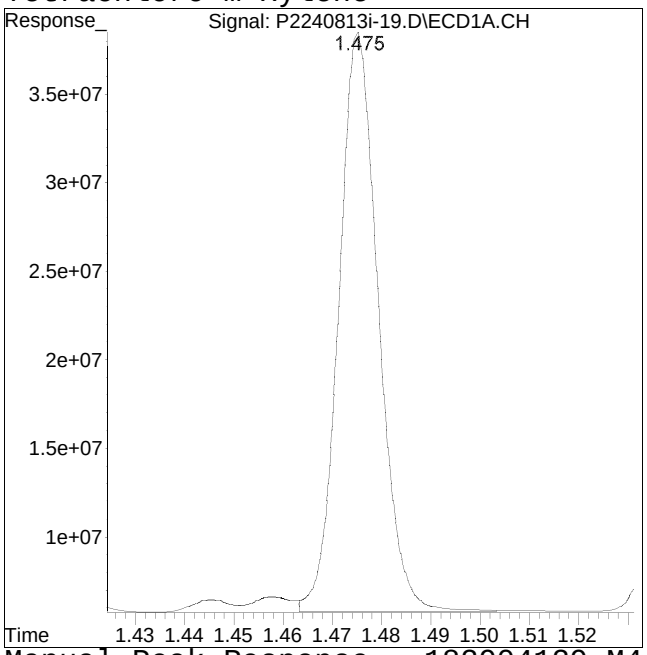
Original Peak Response = 234472055 Manual Peak Response = 227907151 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



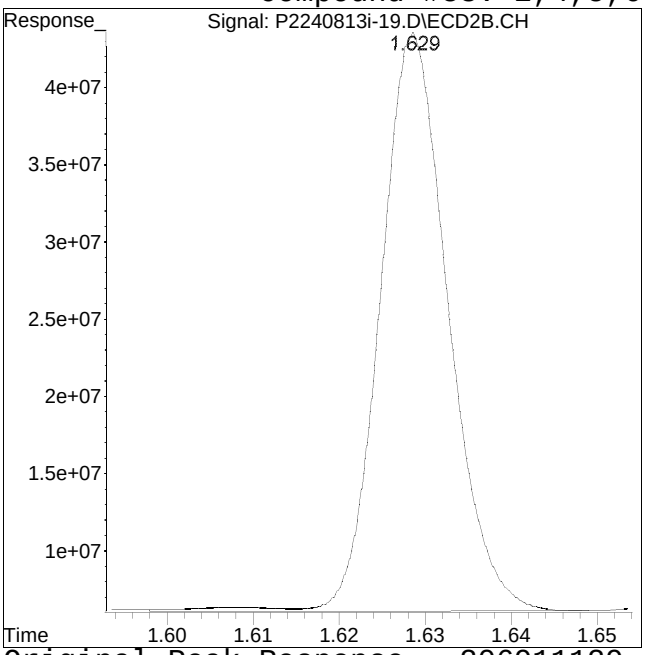


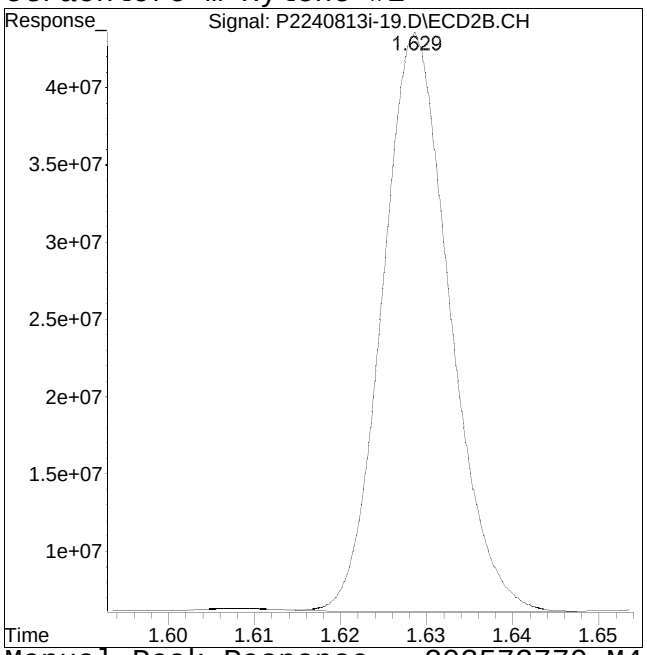
Original Peak Response = 194944953 Manual Peak Response = 182904129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



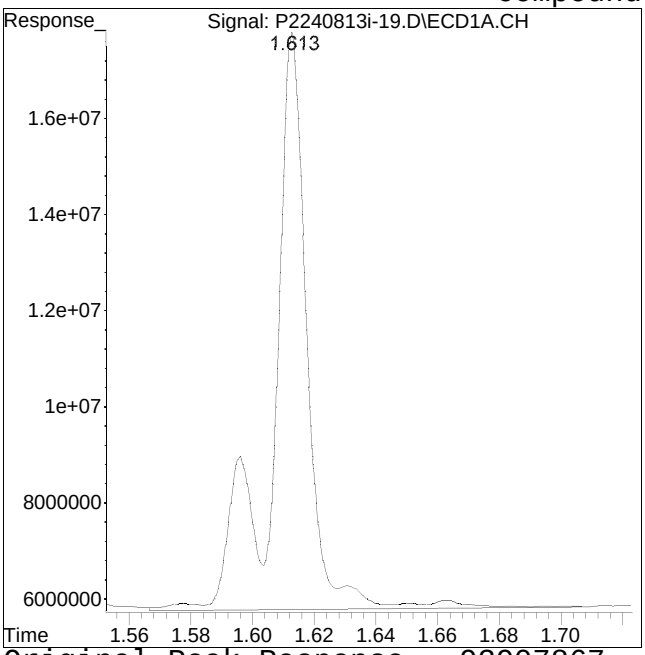


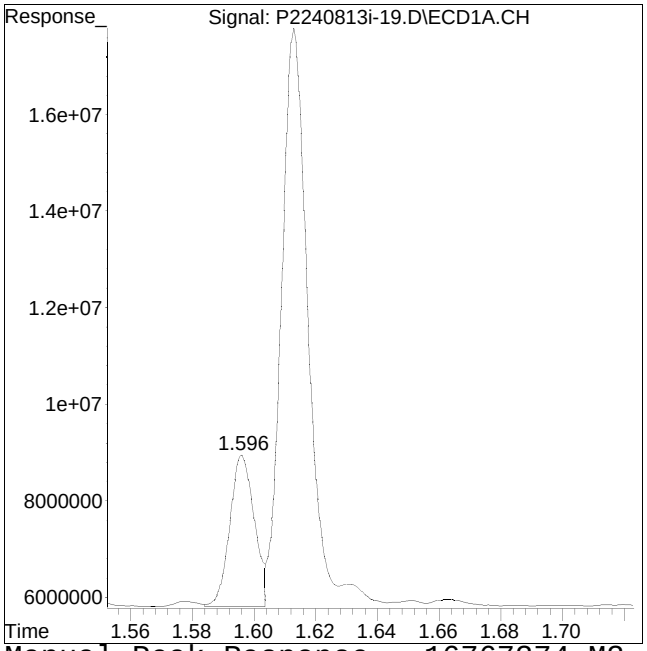
Original Peak Response = 206911129 Manual Peak Response = 203573770 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #16: 1221-3



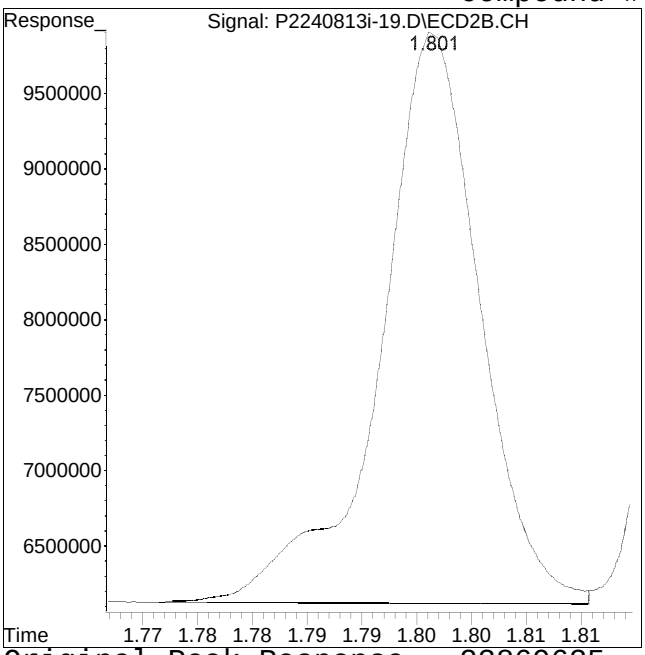


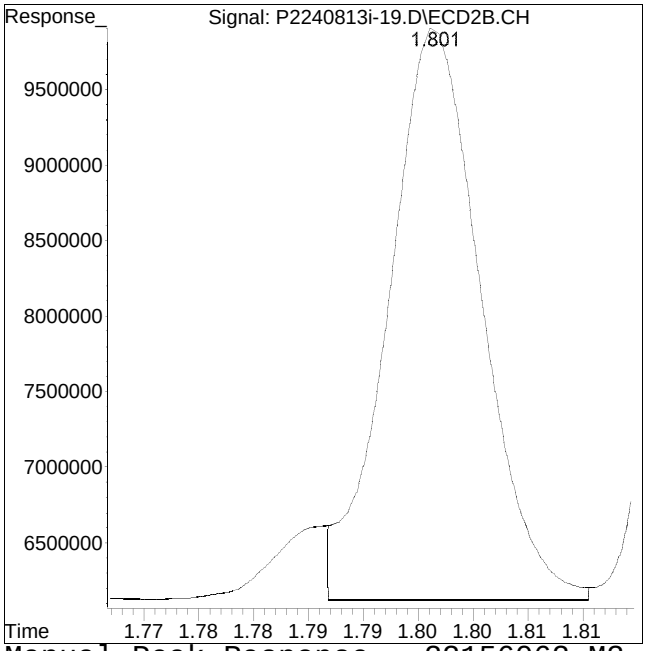
Original Peak Response = 93907867 Manual Peak Response = 16767374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #67: 1221-3 #2



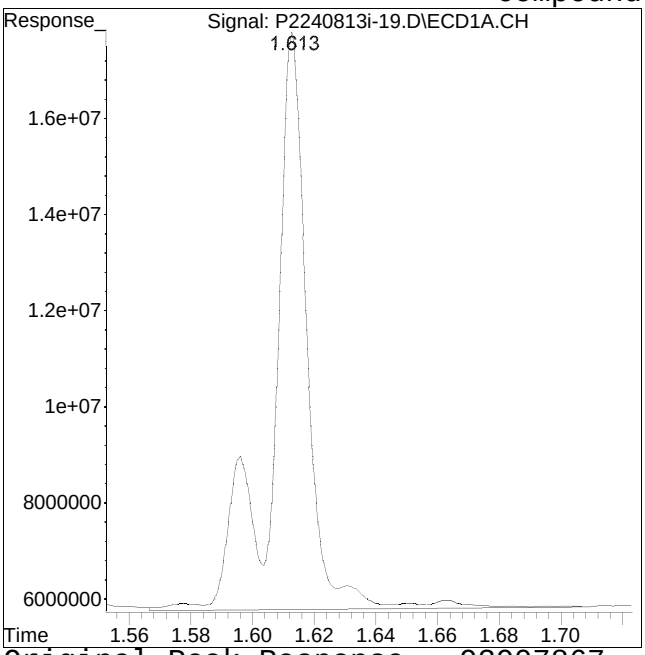


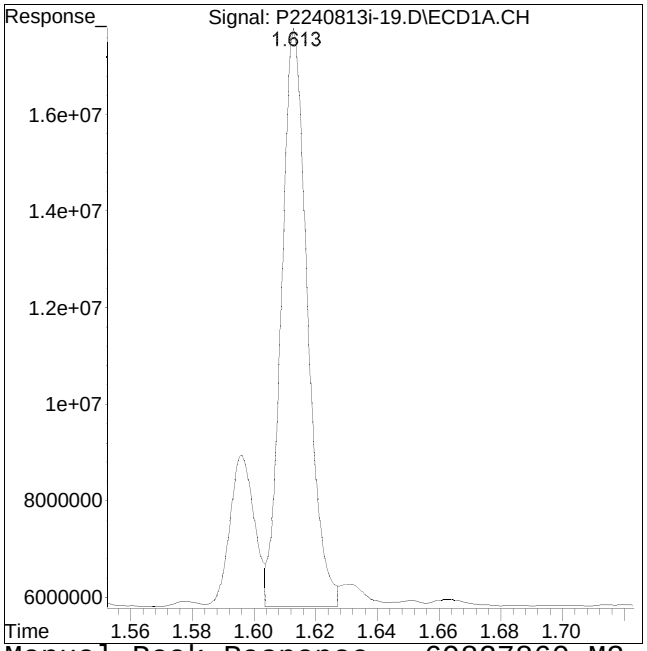
Original Peak Response = 23869635 Manual Peak Response = 22156062 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #17: 1221-4



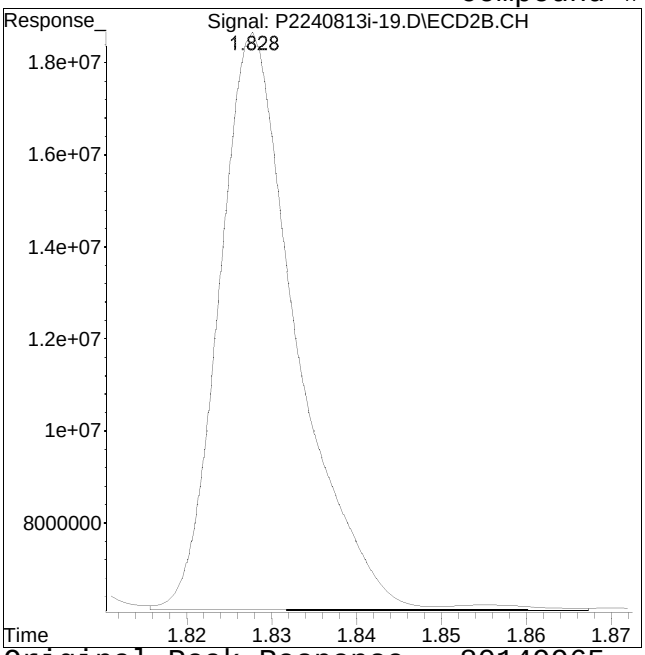


Original Peak Response = 93907867 Manual Peak Response = 69827860 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

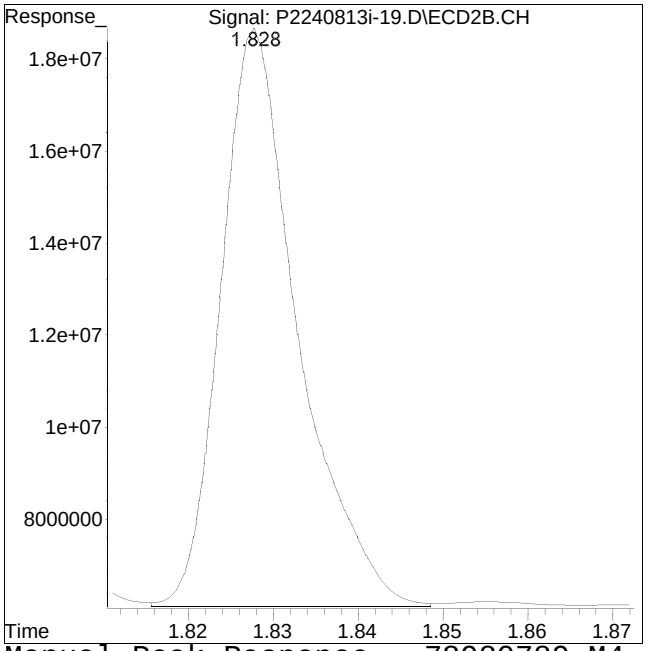
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #68: 1221-4 #2



Original Peak Response = 80149965



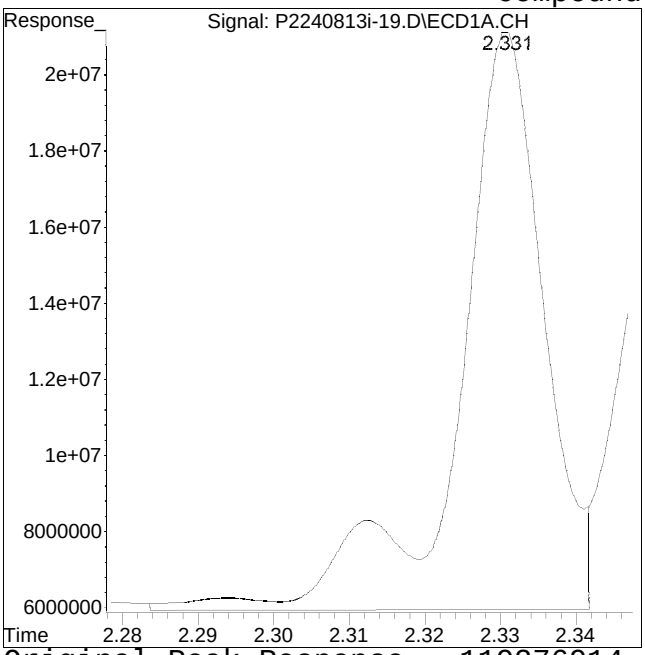
Manual Peak Response = 78980789 M4

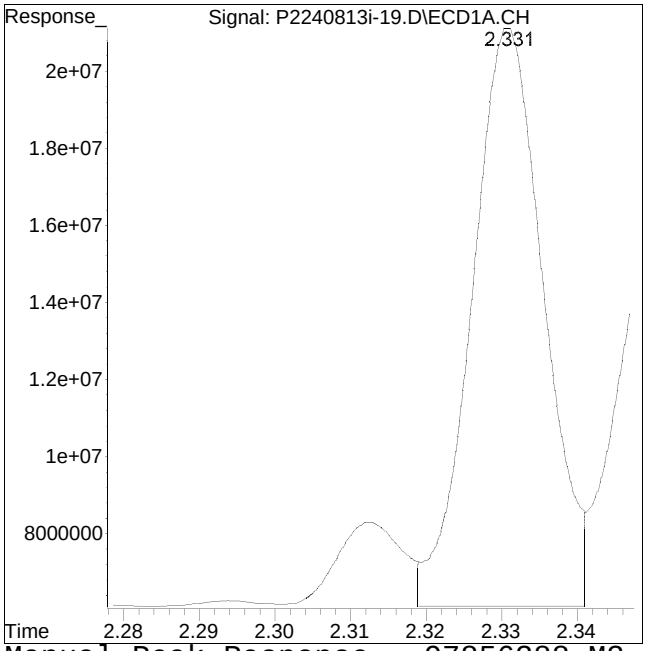
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #18: 1254-1



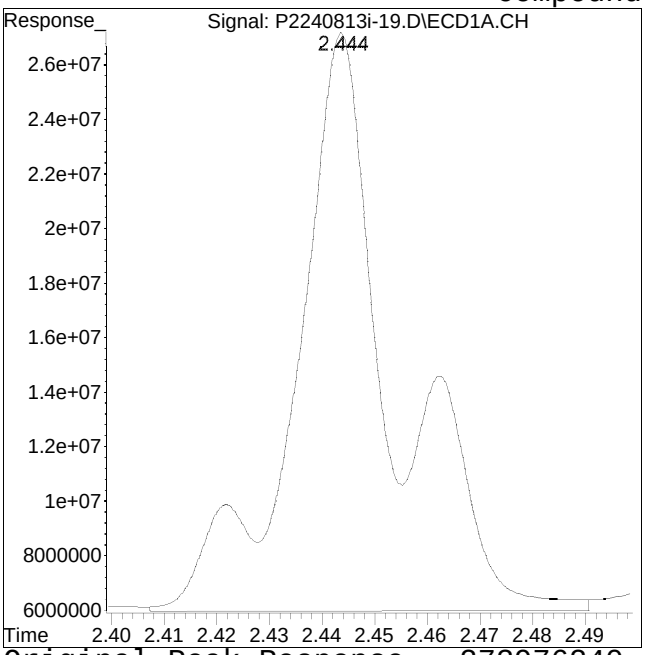


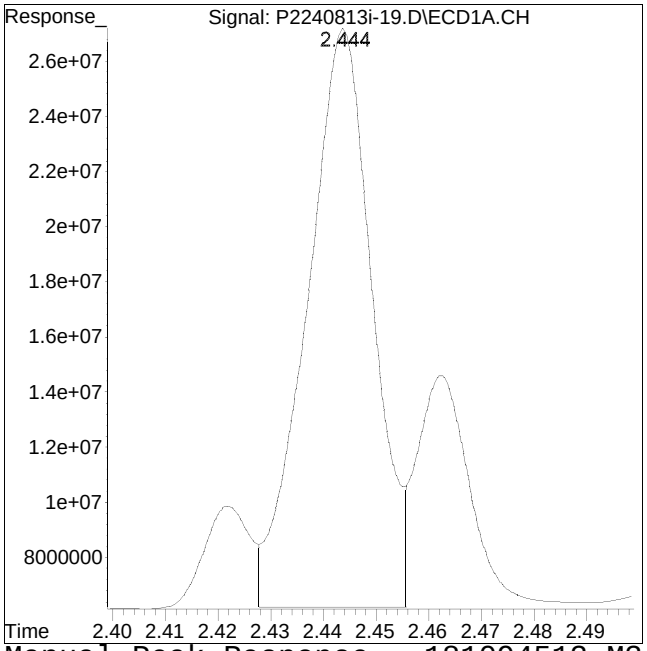
Original Peak Response = 119276914 Manual Peak Response = 97856388 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #19: 1254-2



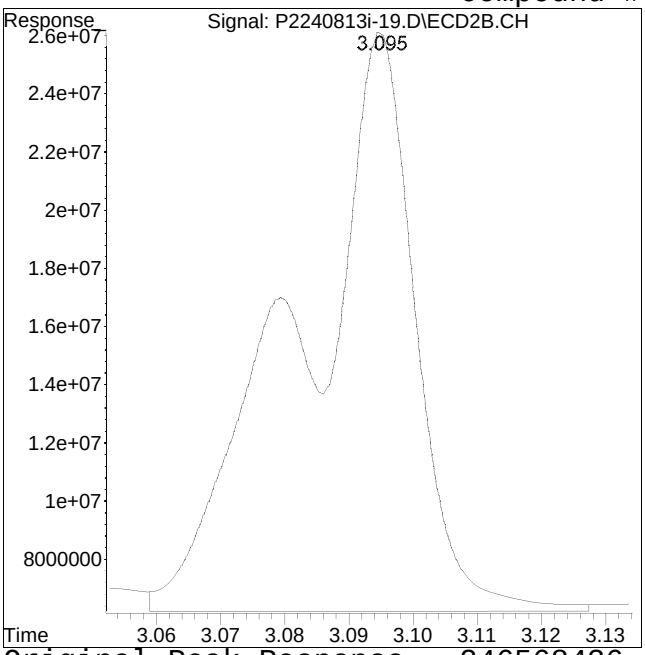


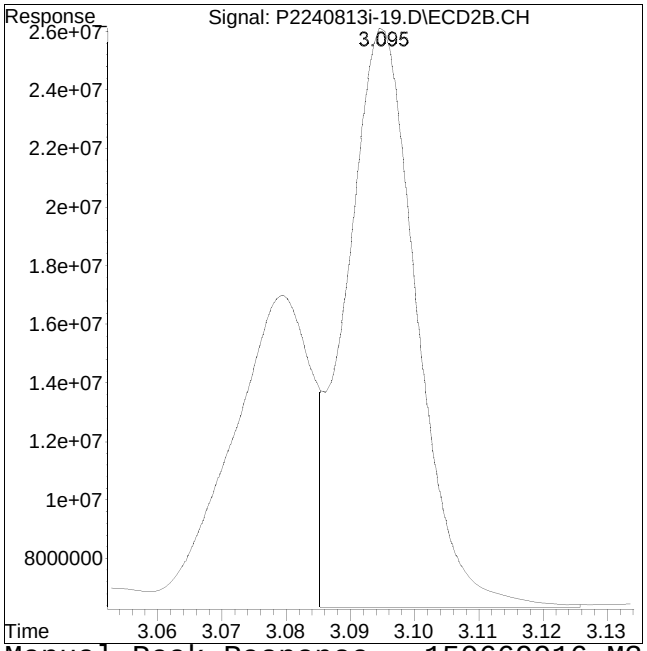
Original Peak Response = 273976240 Manual Peak Response = 181094513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #72: 1254-4 #2



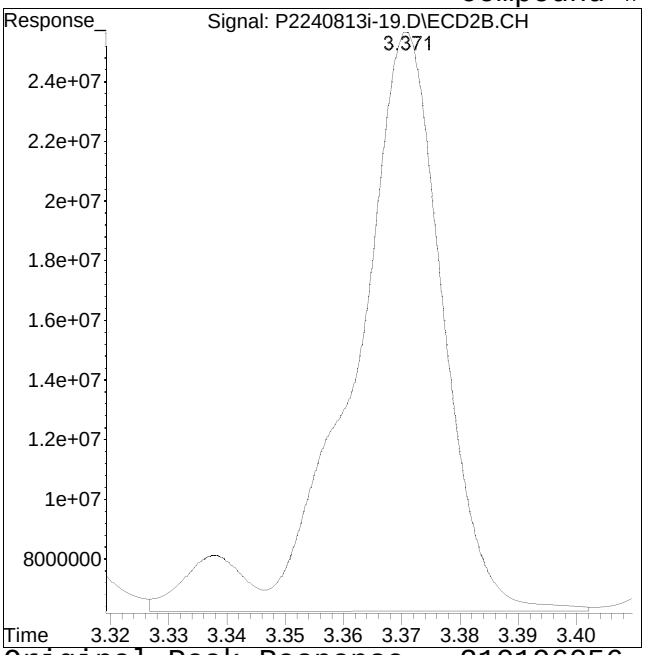


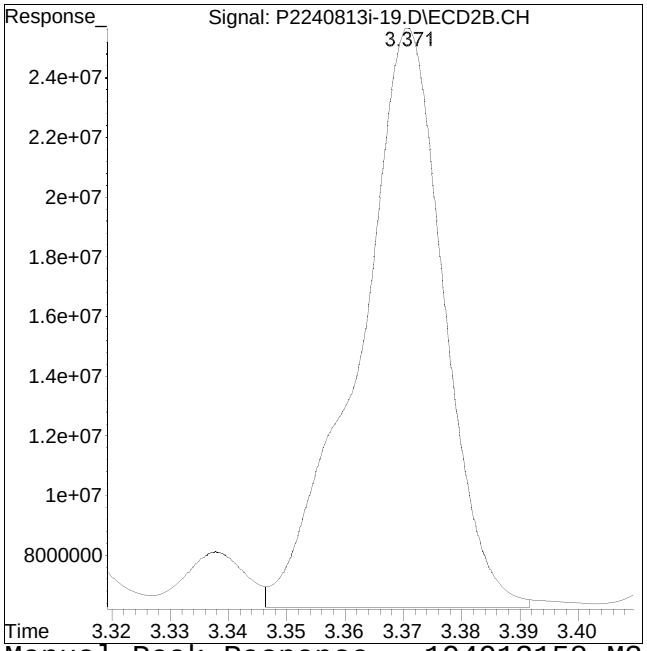
Original Peak Response = 246568436 Manual Peak Response = 150669916 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #73: 1254-5 #2





Original Peak Response = 210196056 Manual Peak Response = 194913158 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	112	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.438	10.7	106	0.00
3	s	Decachlorobiphenyl		1.174	1.045	11.0	107	0.00
4	l1	1016-1		0.029	0.025	13.8	104	0.00
5	l1	1016-2		0.054	0.056	-3.7	116	0.00
6	l1	1016-3		0.124	0.119	4.0	115	0.00
7	l1	1016-4		0.051	0.048	5.9	116	0.00
8	l1	1016-5		0.059	0.050	15.3	111	0.00
9	l2	1260-1		0.077	0.073	5.2	116	0.00
10	l2	1260-2		0.115	0.114	0.9	119	0.00
11	l2	1260-3		0.070	0.062	11.4	101	0.00
12	l2	1260-4		0.150	0.128	14.7	100	0.00
13	l2	1260-5		0.111	0.097	12.6	105	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	111	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	107	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	113	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	117	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	111	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.359	10.1	107	0.00
3	s	Decachlorobiphenyl		1.009	0.910	9.8	111	0.00
4	l1	1016-1		0.028	0.024	14.3	108	0.00
5	l1	1016-2		0.060	0.056	6.7	114	0.00
6	l1	1016-3		0.120	0.114	5.0	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
7	l1	1016-4		0.051	0.046	9.8	114	0.00
8	l1	1016-5		0.037	0.035	5.4	113	0.00
9	l2	1260-1		0.068	0.072	-5.9	120	0.00
10	l2	1260-2		0.088	0.085	3.4	116	0.00
11	l2	1260-3		0.071	0.064	9.9	108	0.00
12	l2	1260-4		0.141	0.126	10.6	107	0.00
13	l2	1260-5		0.104	0.090	13.5	108	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	110	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	108	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	115	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	114	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4		0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5		0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

15	l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18	l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19	l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20	l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21	l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22	l4	1254-5	0.096	0.000	100.0#	0#	-3.37#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	195.4E6	217.0E6	14.294M3	14.397
	Spiked Amount	20.000	Range 30 - 150		Recovery =	71.47%	71.98%
3) s	Decachlorobi	4.045	4.554	284.0E6	290.3E6	28.480	28.853
	Spiked Amount	20.000	Range 30 - 150		Recovery =	142.40%	144.26%
	Target Compounds						
4) l1	1016-1	1.613	1.829	52177992	59482935	212.983M3	215.403
5) l1	1016-2	1.754	1.999	119.2E6	140.8E6	257.519M3	234.388
6) l1	1016-3	1.942	2.200	253.5E6	283.2E6	241.659	236.186
7) l1	1016-4	1.997	2.260	103.0E6	113.5E6	239.824M3	224.880M1
8) l1	1016-5	2.167	2.471	105.7E6	86627473	209.551M4	236.260M4
	Sum 1016-1			633.5E6	683.7E6	1161.535	1147.117
	Average 1016-1					232.307	229.423
9) l2	1260-1	2.711	3.081	155.9E6	179.1E6	238.287	264.741M3

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2	1260-2	2.842	3.183	241.8E6	212.2E6	248.705	241.216
11) l2	1260-3	3.157	3.575	131.2E6	160.8E6	220.253	225.790
12) l2	1260-4	3.313	3.705	272.7E6	313.1E6	213.726M3	222.332
13) l2	1260-5	3.461	3.907	206.9E6	225.4E6	218.918	217.263
Sum	1260-1			1008.6E6	1090.6E6	1139.889	1171.342
Average	1260-1					227.978	234.268
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

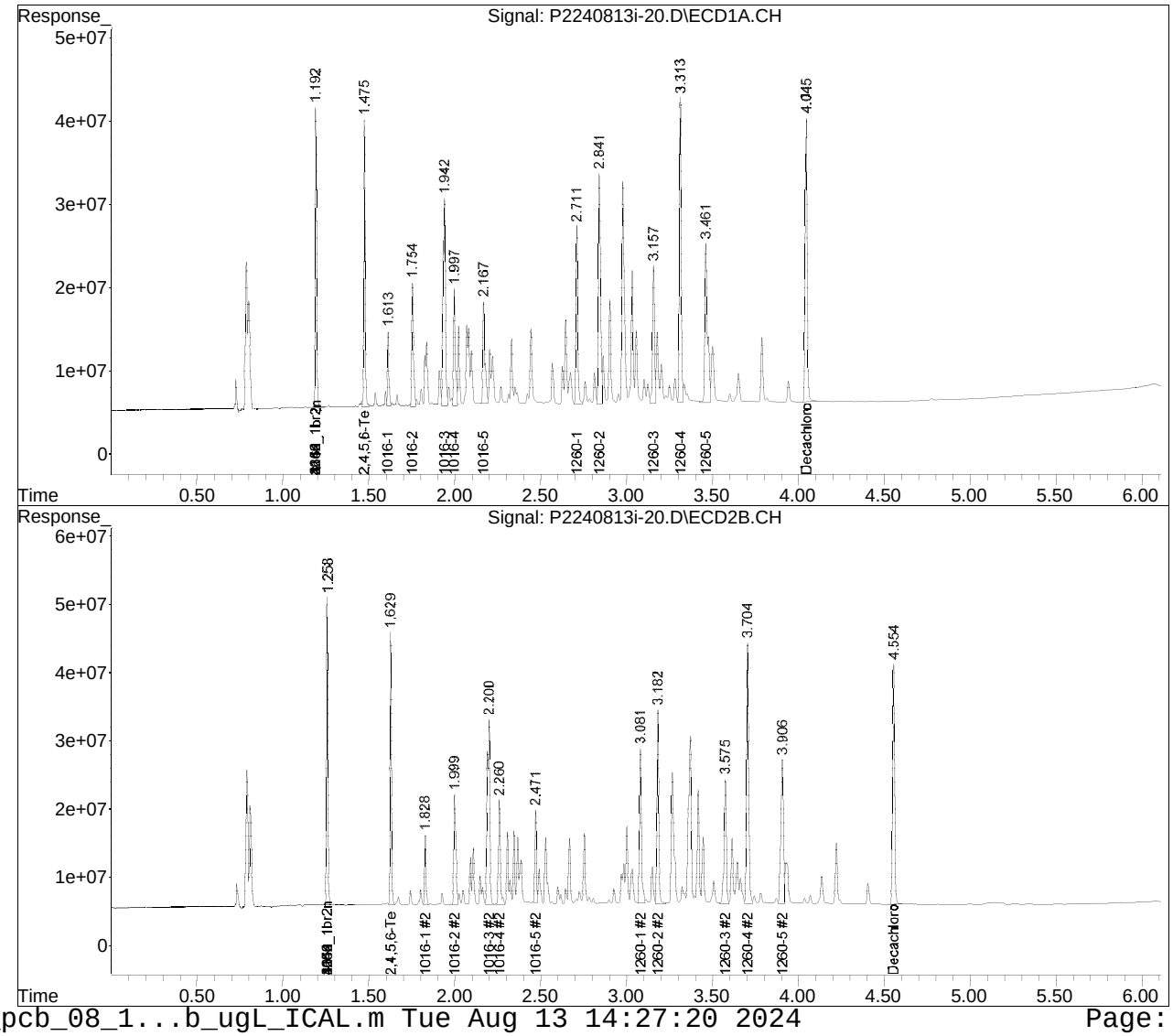
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

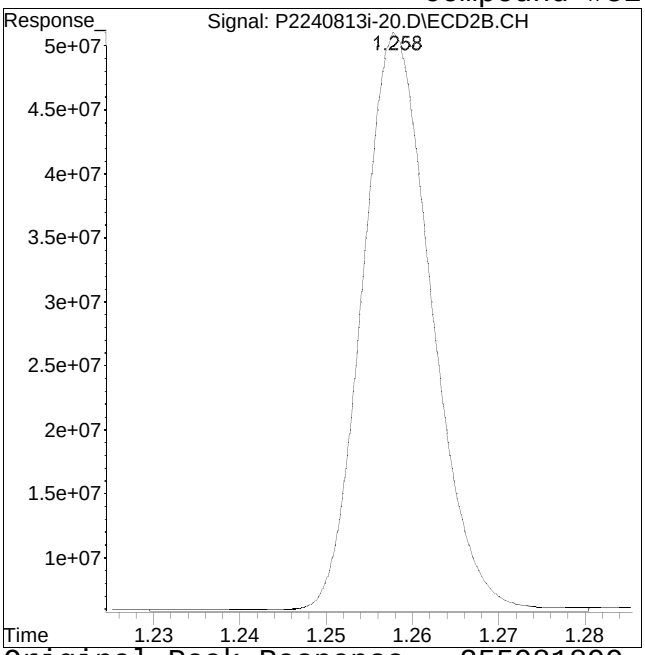
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

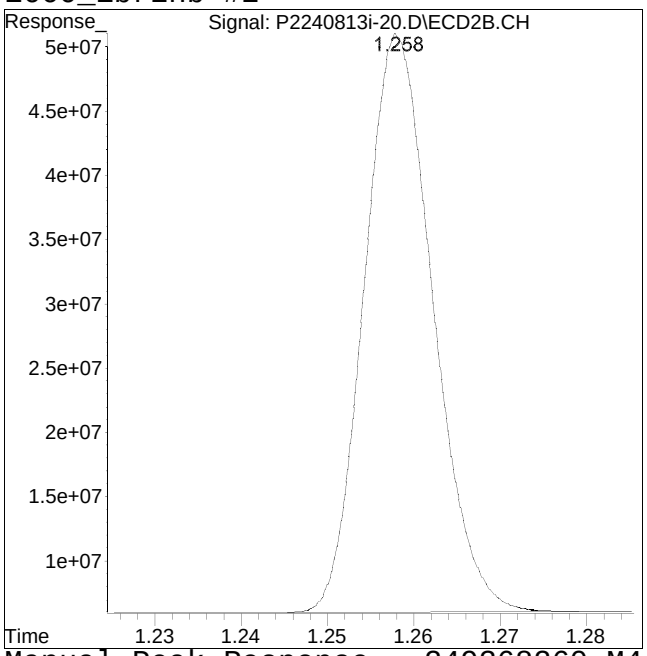


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #52: 1660_1br2nb #2



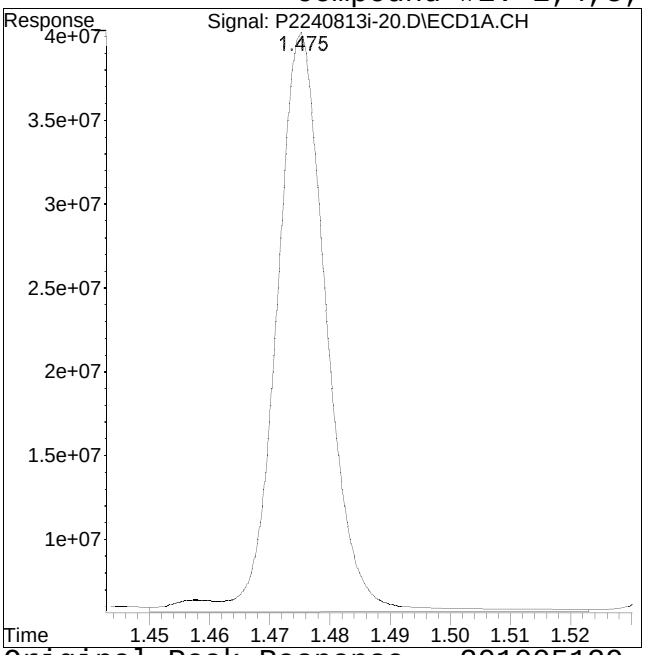


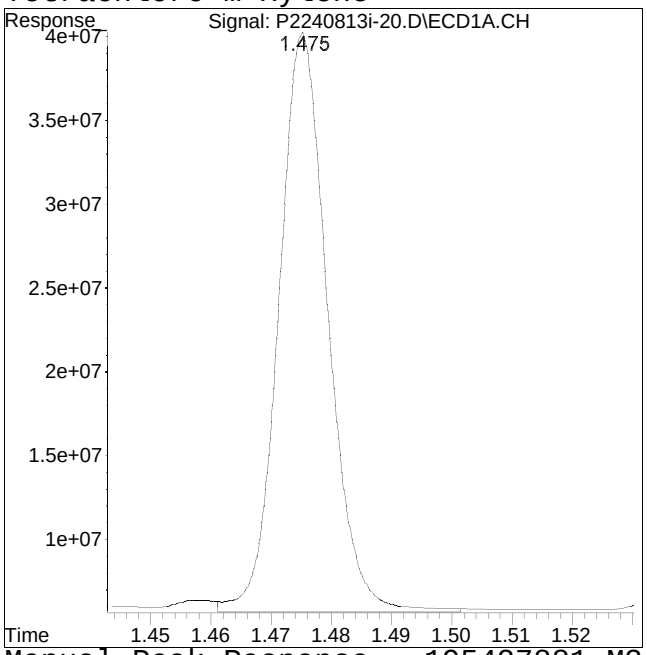
Original Peak Response = 255981899 Manual Peak Response = 249368260 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



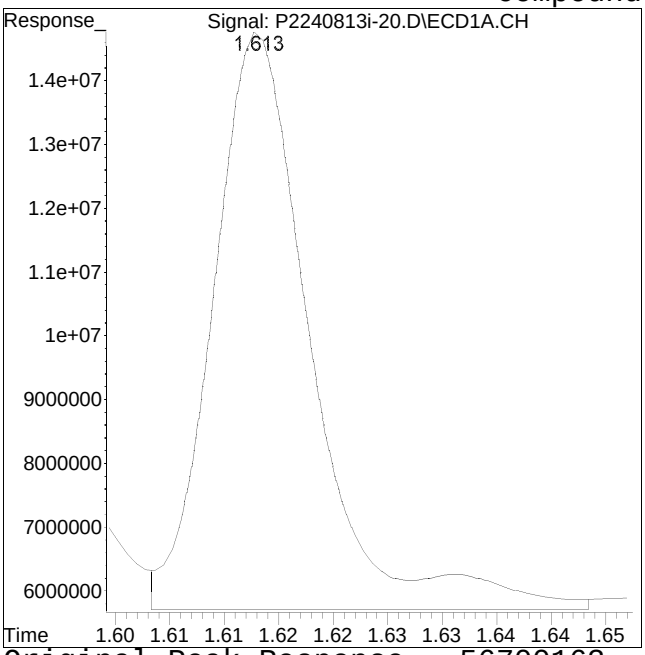


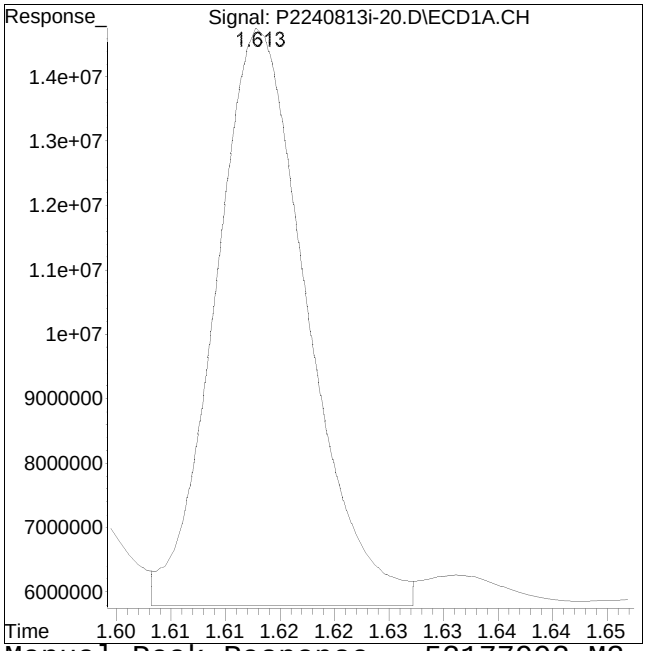
Original Peak Response = 201005129 Manual Peak Response = 195427881 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #4: 1016-1



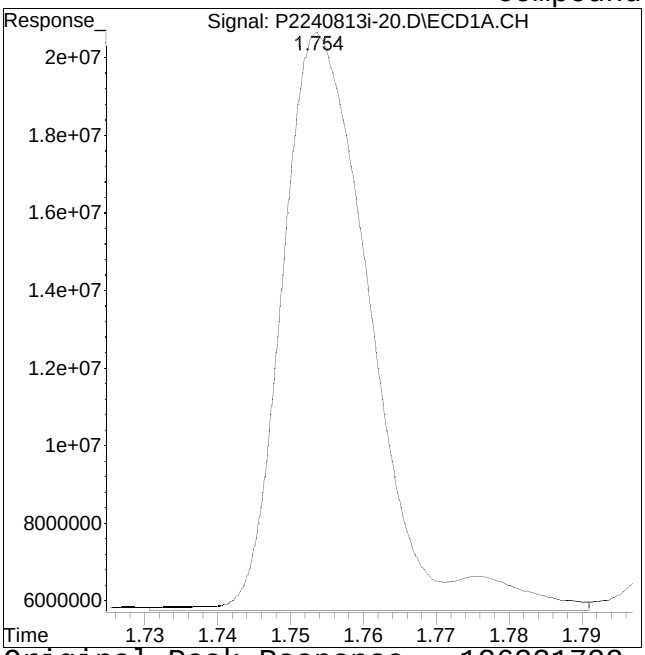


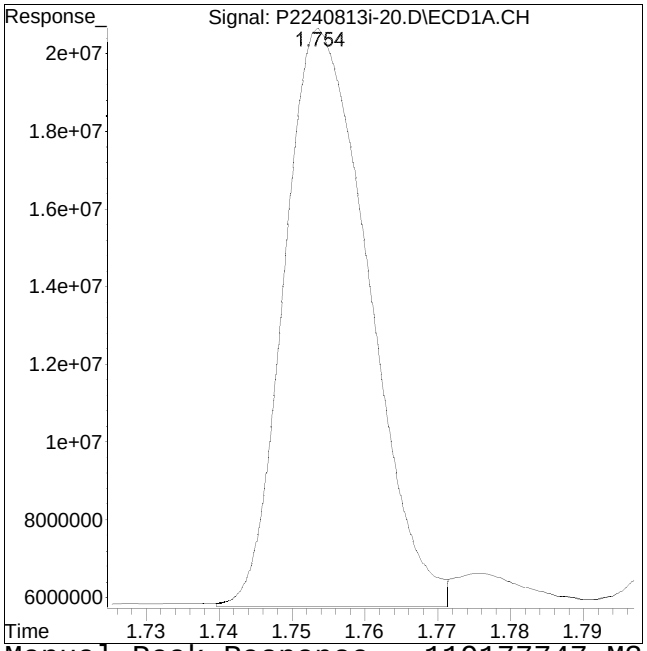
Original Peak Response = 56700163 Manual Peak Response = 52177992 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #5: 1016-2



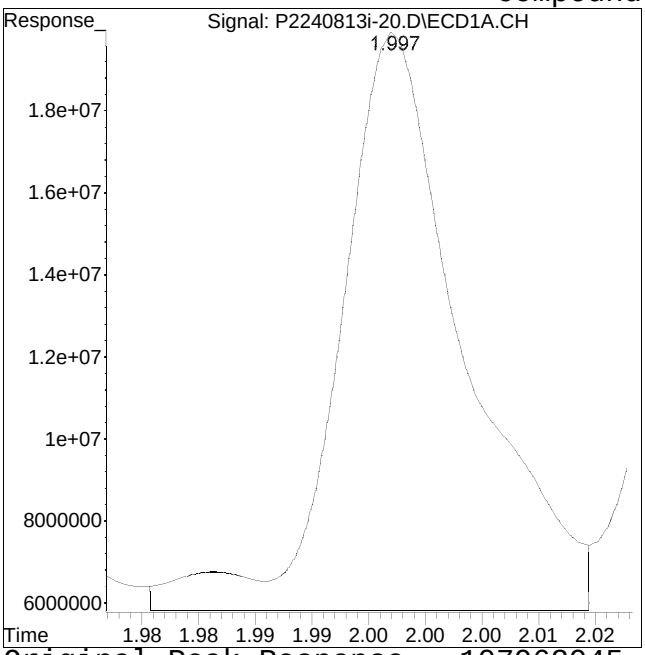


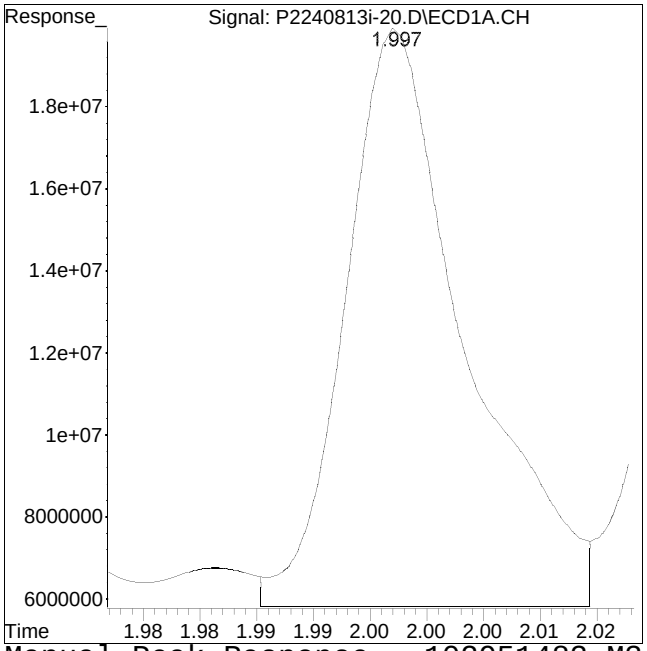
Original Peak Response = 126321722 Manual Peak Response = 119177747 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #7: 1016-4



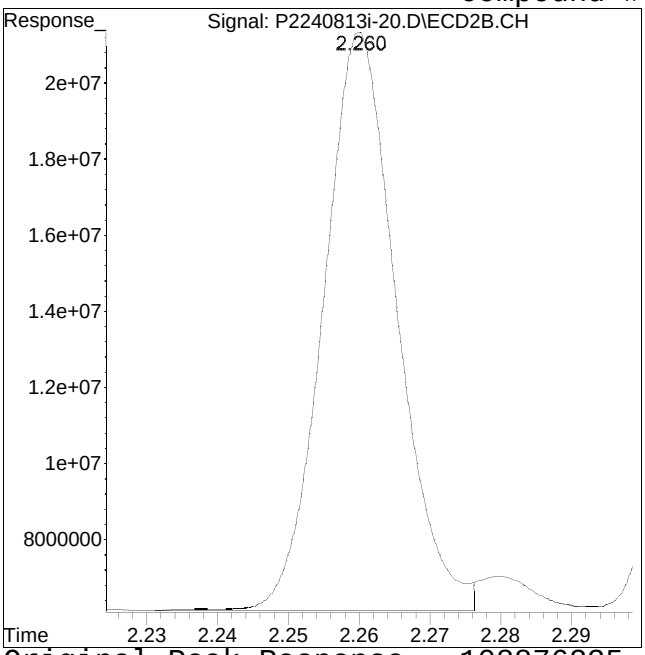


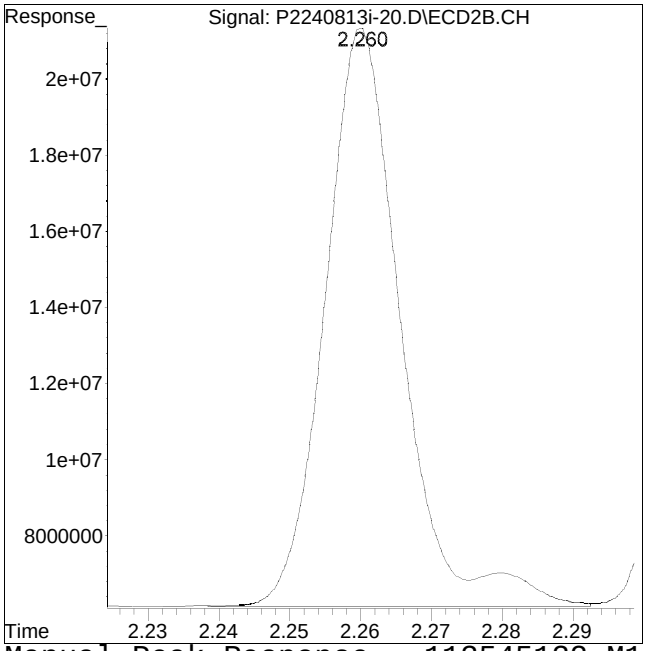
Original Peak Response = 107962945 Manual Peak Response = 102951483 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #58: 1016-4 #2



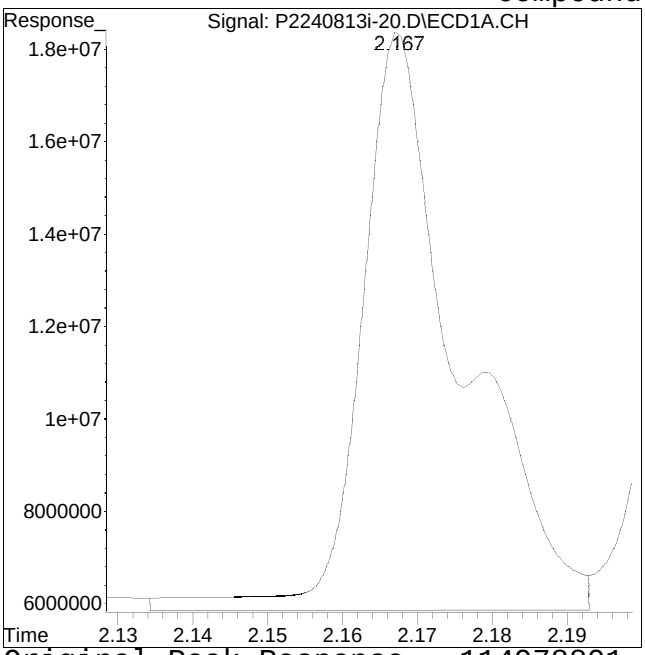


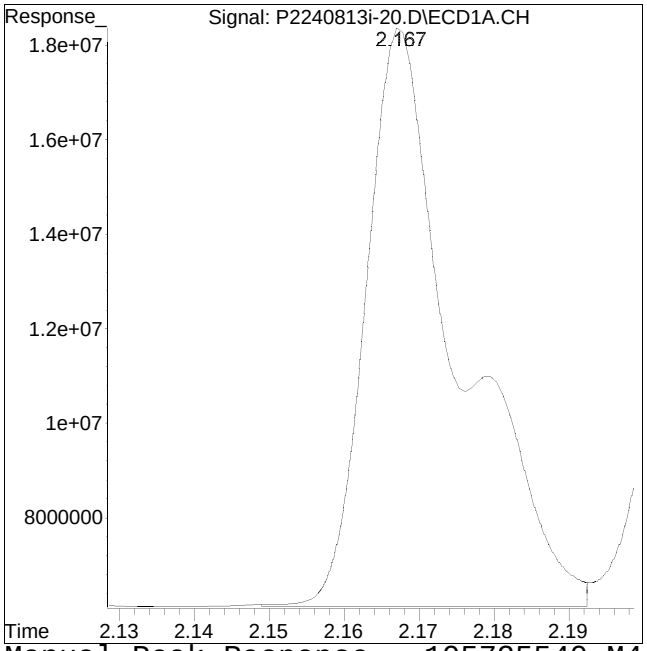
Original Peak Response = 108876235 Manual Peak Response = 113545132 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #8: 1016-5



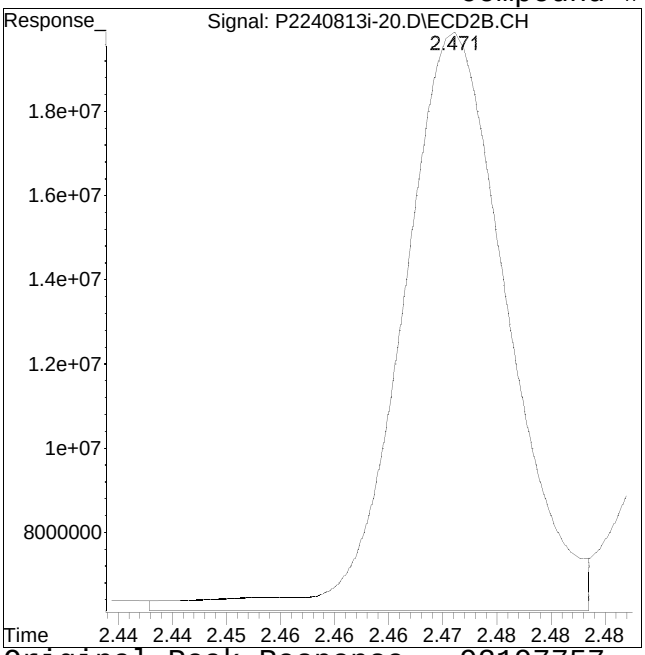


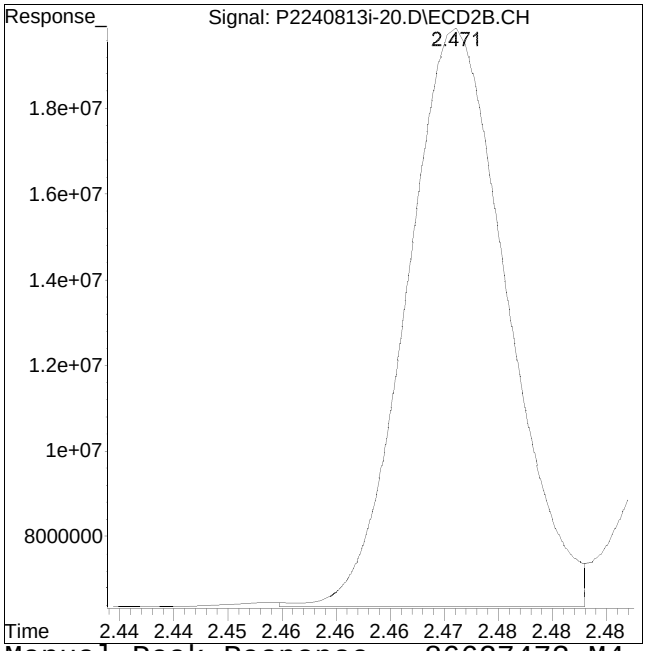
Original Peak Response = 114978801 Manual Peak Response = 105725540 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #59: 1016-5 #2



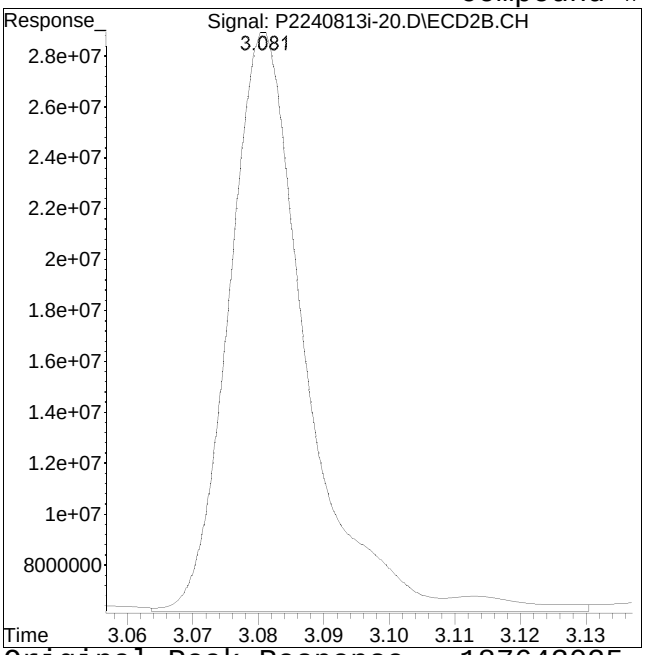


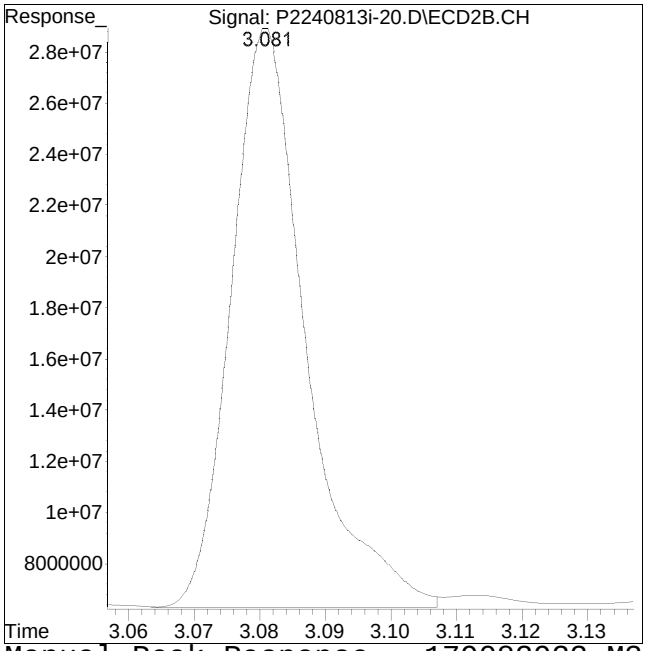
Original Peak Response = 92197757 Manual Peak Response = 86627473 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #60: 1260-1 #2



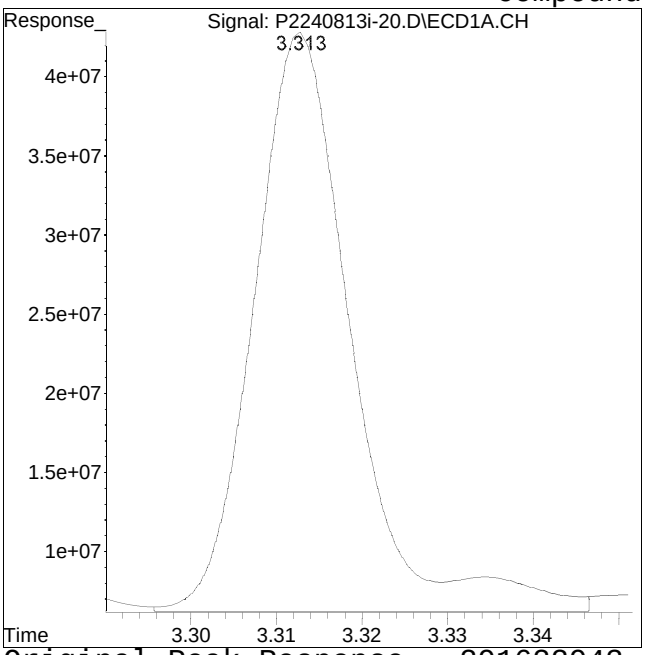


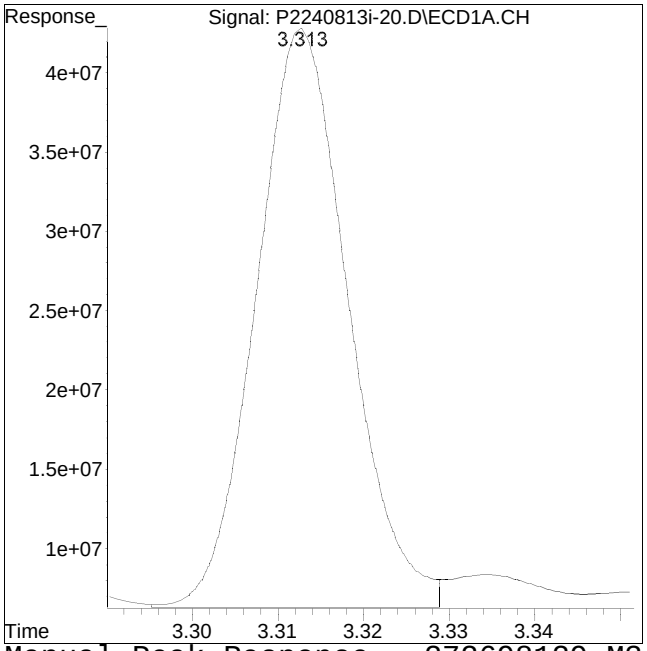
Original Peak Response = 187643025 Manual Peak Response = 179083933 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #12: 1260-4





Original Peak Response = 291622943 Manual Peak Response = 272698129 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/28/24 06:47	
Lab File ID	: P2240828a-05		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964804-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	83	0
2,4,5,6-Tetrachloro-m-xylen	1.61	1.557	-	3.3	20	85	0
Decachlorobiphenyl	1.174	1.128	-	3.9	20	85	0
1016-1	0.029	0.024	-	17.2	20	75	0
1016-2	0.054	0.059	-	-9.3	20	90	0
1016-3	0.124	0.122	-	1.6	20	87	0
1016-4	0.051	0.048	-	5.9	20	85	0
1016-5	0.059	0.054	-	8.5	20	90	0
1260-1	0.077	0.075	-	2.6	20	87	0
1260-2	0.115	0.119	-	-3.5	20	92	0
1260-3	0.07	0.061	-	12.9	20	74	0
1260-4	0.15	0.139	-	7.3	20	80	0
1260-5	0.111	0.101	-	9	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/28/24 06:47	
Lab File ID	: P2240828a-05		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964804-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	87	0
2,4,5,6-Tetrachloro-m-xylen	1.511	1.531	-	-1.3	20	94	0
Decachlorobiphenyl #2	1.009	0.869	-	13.9	20	83	0
1016-1 #2	0.028	0.022	-	21.4*	20	78	0
1016-2 #2	0.06	0.051	-	15	20	80	0
1016-3 #2	0.12	0.104	-	13.3	20	83	0
1016-4 #2	0.051	0.042	-	17.6	20	82	0
1016-5 #2	0.037	0.027	-	27*	20	69	0
1260-1 #2	0.068	0.076	-	-11.8	20	99	0
1260-2 #2	0.088	0.078	-	11.4	20	84	0
1260-3 #2	0.071	0.06	-	15.5	20	78	0
1260-4 #2	0.141	0.115	-	18.4	20	76	0
1260-5 #2	0.104	0.085	-	18.3	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/28/24 14:29	
Lab File ID	: P2240828a-43		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964804-5		**Init. Calib. Times**	: 10:14	11:48
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	93	0
2,4,5,6-Tetrachloro-m-xylen	1.61	1.544	-	4.1	20	94	0
Decachlorobiphenyl	1.174	1.06	-	9.7	20	89	0
1016-1	0.029	0.026	-	10.3	20	92	0
1016-2	0.054	0.061	-	-13	20	103	0
1016-3	0.124	0.127	-	-2.4	20	101	0
1016-4	0.051	0.052	-	-2	20	103	0
1016-5	0.059	0.055	-	6.8	20	102	0
1260-1	0.077	0.075	-	2.6	20	97	0
1260-2	0.115	0.117	-	-1.7	20	101	0
1260-3	0.07	0.065	-	7.1	20	87	0
1260-4	0.15	0.132	-	12	20	85	0
1260-5	0.111	0.1	-	9.9	20	89	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/28/24 14:29	
Lab File ID	: P2240828a-43		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964804-5		**Init. Calib. Times**	: 10:14	11:48
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	86	0
2,4,5,6-Tetrachloro-m-xylen	1.511	1.57	-	-3.9	20	96	0
Decachlorobiphenyl #2	1.009	1.055	-	-4.6	20	100	0
1016-1 #2	0.028	0.029	-	-3.6	20	102	0
1016-2 #2	0.06	0.066	-	-10	20	104	0
1016-3 #2	0.12	0.134	-	-11.7	20	106	0
1016-4 #2	0.051	0.054	-	-5.9	20	105	0
1016-5 #2	0.037	0.041	-	-10.8	20	103	0
1260-1 #2	0.068	0.084	-	-23.5*	20	109	0
1260-2 #2	0.088	0.096	-	-9.1	20	101	0
1260-3 #2	0.071	0.072	-	-1.4	20	93	0
1260-4 #2	0.141	0.137	-	2.8	20	91	0
1260-5 #2	0.104	0.104	-	0	20	96	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/29/24 15:06	
Lab File ID	: P2240829a-39		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1965377-5		**Init. Calib. Times**	: 10:14	11:48
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	101	0
2,4,5,6-Tetrachloro-m-xylen	1.61	1.535	-	4.7	20	102	0
Decachlorobiphenyl	1.174	1.039	-	11.5	20	96	0
1016-1	0.029	0.025	-	13.8	20	97	0
1016-2	0.054	0.062	-	-14.8	20	115	0
1016-3	0.124	0.121	-	2.4	20	105	0
1016-4	0.051	0.048	-	5.9	20	103	0
1016-5	0.059	0.049	-	16.9	20	99	0
1260-1	0.077	0.072	-	6.5	20	102	0
1260-2	0.115	0.112	-	2.6	20	105	0
1260-3	0.07	0.058	-	17.1	20	86	0
1260-4	0.15	0.128	-	14.7	20	90	0
1260-5	0.111	0.093	-	16.2	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST2		**Calibration Date**	: 08/29/24 15:06	
Lab File ID	: P2240829a-39		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1965377-5		**Init. Calib. Times**	: 10:14	11:48
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	85	0
2,4,5,6-Tetrachloro-m-xylen	1.511	1.835	-	-21.4*	20	110	0
Decachlorobiphenyl #2	1.009	1.106	-	-9.6	20	103	0
1016-1 #2	0.028	0.03	-	-7.1	20	104	0
1016-2 #2	0.06	0.07	-	-16.7	20	107	0
1016-3 #2	0.12	0.137	-	-14.2	20	107	0
1016-4 #2	0.051	0.056	-	-9.8	20	106	0
1016-5 #2	0.037	0.043	-	-16.2	20	107	0
1260-1 #2	0.068	0.085	-	-25*	20	108	0
1260-2 #2	0.088	0.096	-	-9.1	20	101	0
1260-3 #2	0.071	0.074	-	-4.2	20	95	0
1260-4 #2	0.141	0.144	-	-2.1	20	94	0
1260-5 #2	0.104	0.106	-	-1.9	20	97	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:47
Operator : pest2:akm
Sample : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	83	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.557	3.3	85	0.00
3	s	Decachlorobiphenyl		1.174	1.128	3.9	85	0.00
4	l1	1016-1		0.029	0.024	17.2	75	0.00
5	l1	1016-2		0.054	0.059	-9.3	90	0.00
6	l1	1016-3		0.124	0.122	1.6	87	0.00
7	l1	1016-4		0.051	0.048	5.9	85	0.00
8	l1	1016-5		0.059	0.054	8.5	90	0.00
9	l2	1260-1		0.077	0.075	2.6	87	0.00
10	l2	1260-2		0.115	0.119	-3.5	92	0.00
11	l2	1260-3		0.070	0.061	12.9	74	0.00
12	l2	1260-4		0.150	0.139	7.3	80	0.00
13	l2	1260-5		0.111	0.101	9.0	80	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	87	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.511	1.531	-1.3	94	0.00
54	s	Decachlorobiphenyl #2		1.009	0.869	13.9	83	0.00
55	l1	1016-1 #2		0.028	0.022	21.4#	78	0.00
56	l1	1016-2 #2		0.060	0.051	15.0	80	0.00
57	l1	1016-3 #2		0.120	0.104	13.3	83	0.00
58	l1	1016-4 #2		0.051	0.042	17.6	82	0.00
59	l1	1016-5 #2		0.037	0.027	27.0#	69	0.00
60	l2	1260-1 #2		0.068	0.076	-11.8	99	0.00
61	l2	1260-2 #2		0.088	0.078	11.4	84	0.00
62	l2	1260-3 #2		0.071	0.060	15.5	78	0.00
63	l2	1260-4 #2		0.141	0.115	18.4	76	0.00
64	l2	1260-5 #2		0.104	0.085	18.3	80	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   6:47
Operator : pest2:akm
Sample   : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc   : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:47
Operator : pest2:akm
Sample : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.255	156.8E6	194.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.626	156.2E6	191.0E6	15.474M4	16.216M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		77.37%	81.08%
3) s	Decachlorobi	4.043	4.549	226.3E6	216.8E6	30.731M4	27.565M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		153.66%#	137.82%
	Target Compounds						
4) l1	1016-1	1.613	1.826	37692024	43244746	208.380M4	200.339M4
5) l1	1016-2	1.754	1.996	92650115	98782729	271.151M4	210.312M4
6) l1	1016-3	1.943	2.197	191.3E6	201.8E6	247.014M4	215.240M4
7) l1	1016-4	1.998	2.257	75214268	81629466	237.307M4	206.825M4
8) l1	1016-5	2.168	2.468	85325964	52482600	229.056M4	183.114M4
	Sum 1016-1			482.2E6	477.9E6	1192.907	1015.831
	Average 1016-1					238.581	203.166
9) l2	1260-1	2.711	3.077	117.5E6	147.2E6	243.249M4	278.433M4
10) l2	1260-2	2.841	3.178	186.9E6	152.5E6	260.386M4	221.718M4
11) l2	1260-3	3.157	3.570	95750789	116.3E6	217.730M4	208.917M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:47
Operator : pest2:akm
Sample : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) l2 1260-4	3.312	3.699	218.5E6	223.9E6	231.982M4	203.412M4
13) l2 1260-5	3.459	3.902	159.0E6	166.0E6	227.809M1	204.753M4
Sum 1260-1			777.7E6	805.9E6	1181.156	1117.234
Average 1260-1					236.231	223.447
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:47
Operator : pest2:akm
Sample : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

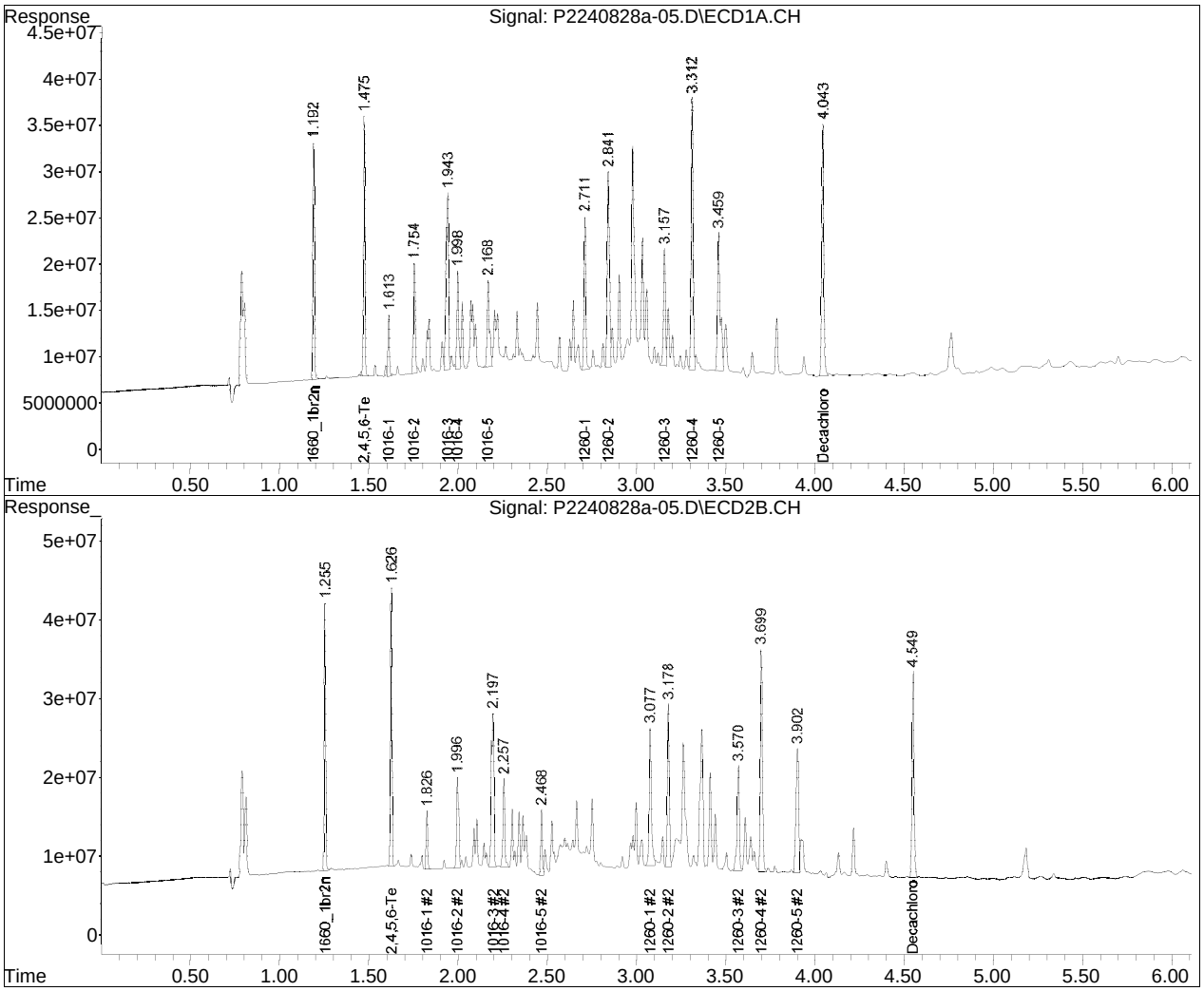
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:47
Operator : pest2:akm
Sample : wg1964804-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
Misc : wg1964804,,ical21389
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 06:54:48 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

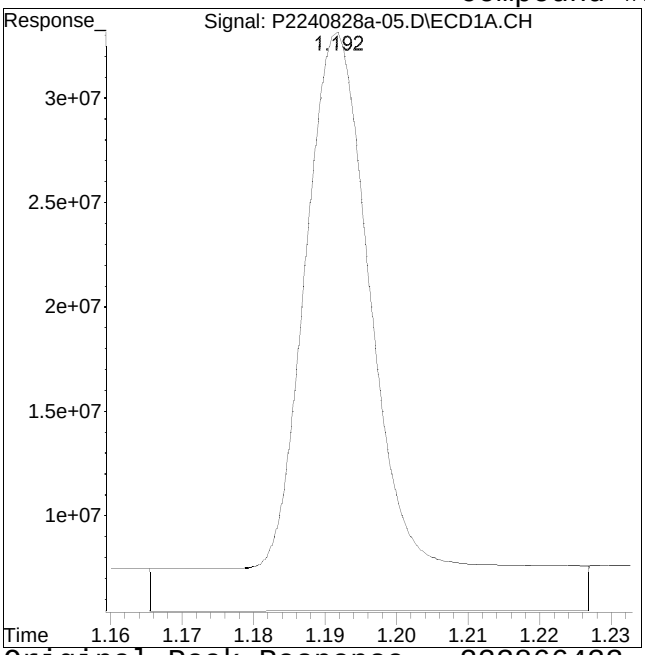
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

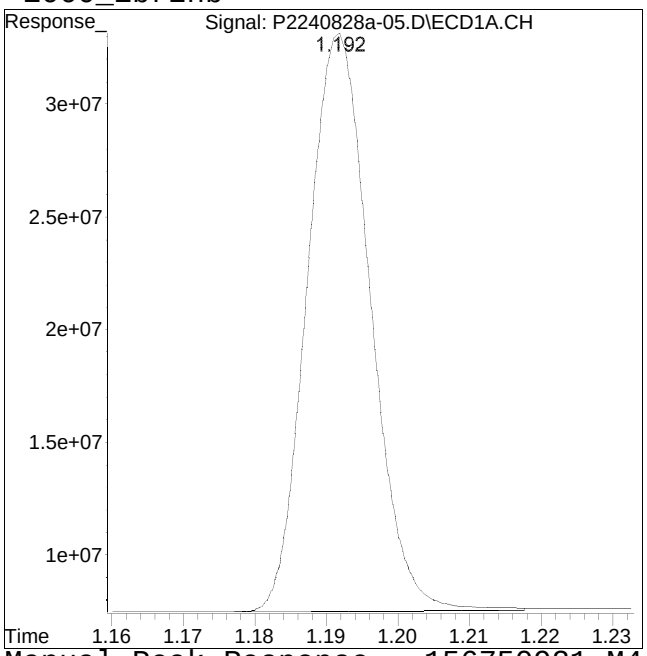


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #1: 1660_1br2nb



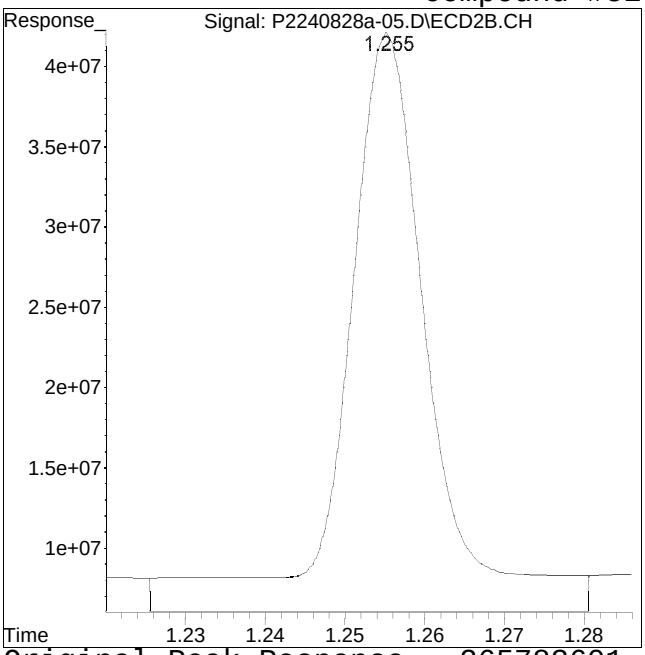


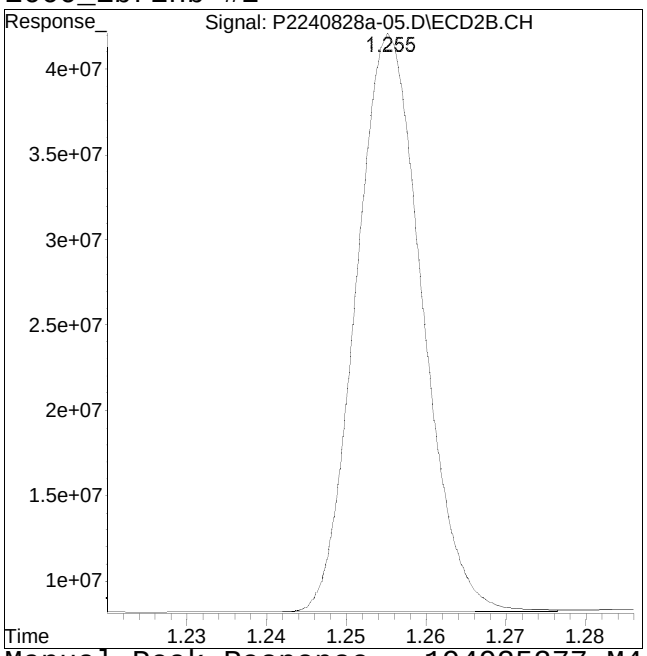
Original Peak Response = 233866433 Manual Peak Response = 156750921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #52: 1660_1br2nb #2



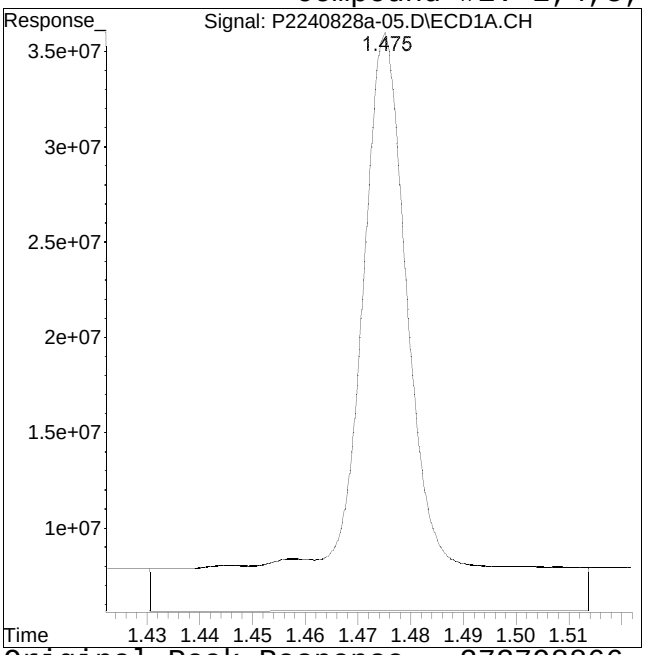


Original Peak Response = 265783601 Manual Peak Response = 194925277 M4
M4 = Poor automated baseline construction.

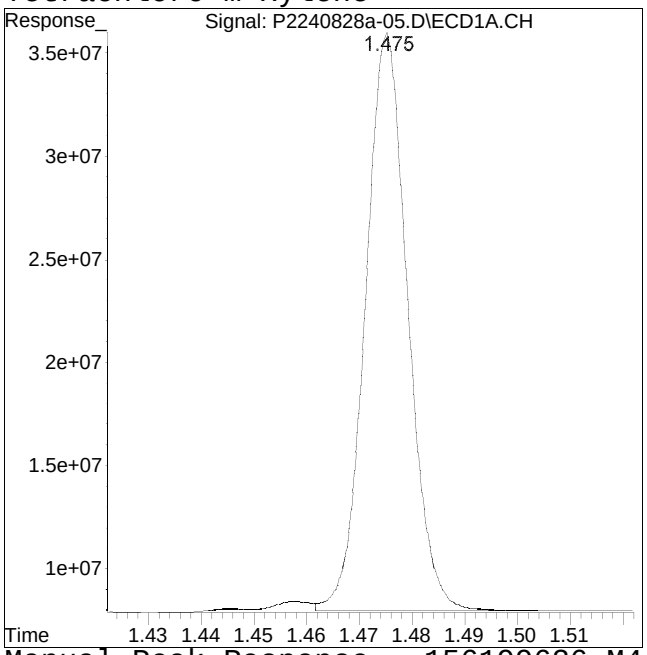
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\Q Method : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lvi Quant Date : 8/28/2024 6:54 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 273798866



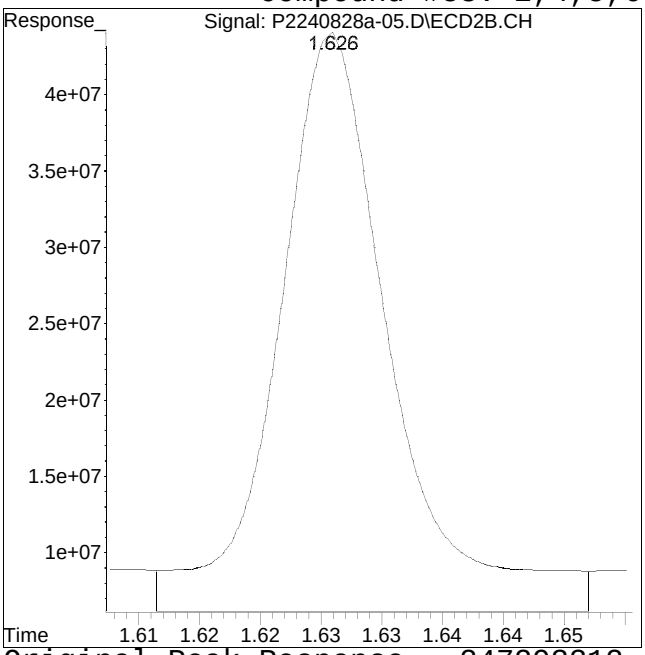
Manual Peak Response = 156199626 M4

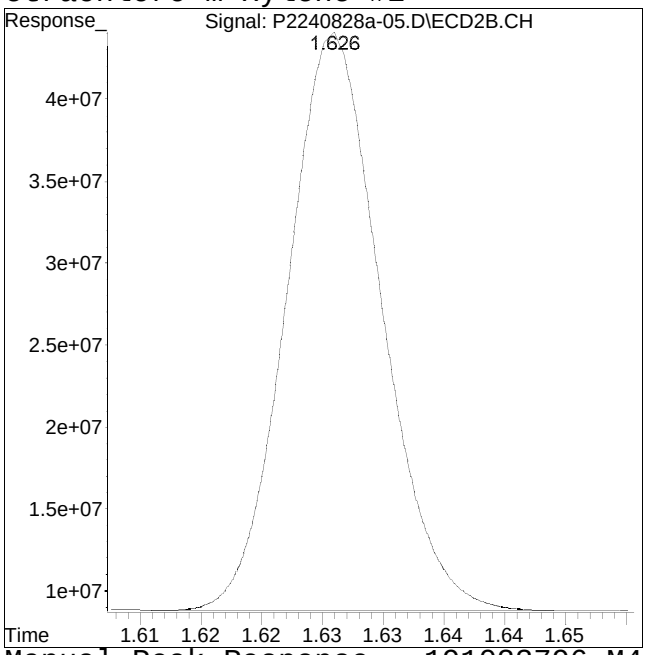
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



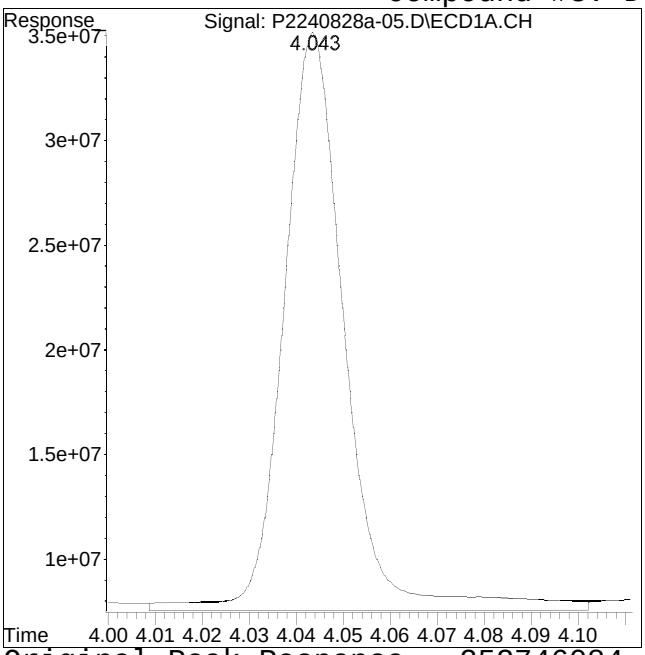


Original Peak Response = 247293312 Manual Peak Response = 191023796 M4
M4 = Poor automated baseline construction.

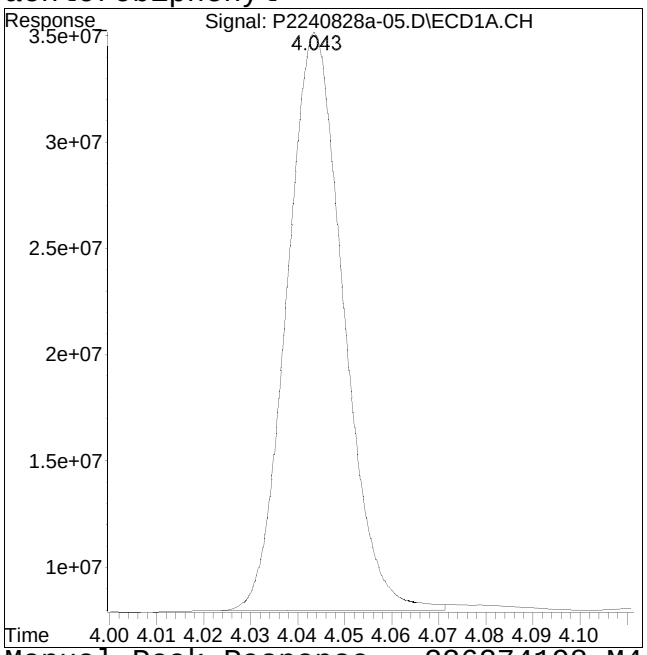
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 252746084



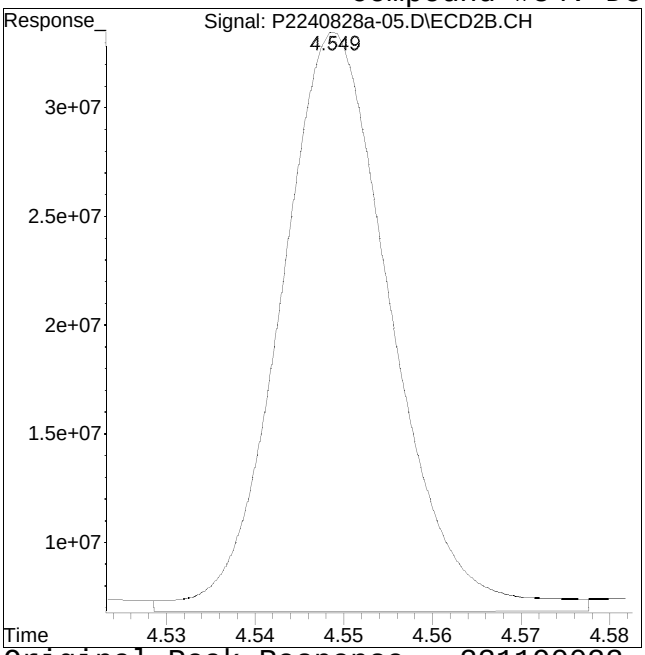
Manual Peak Response = 226274198 M4

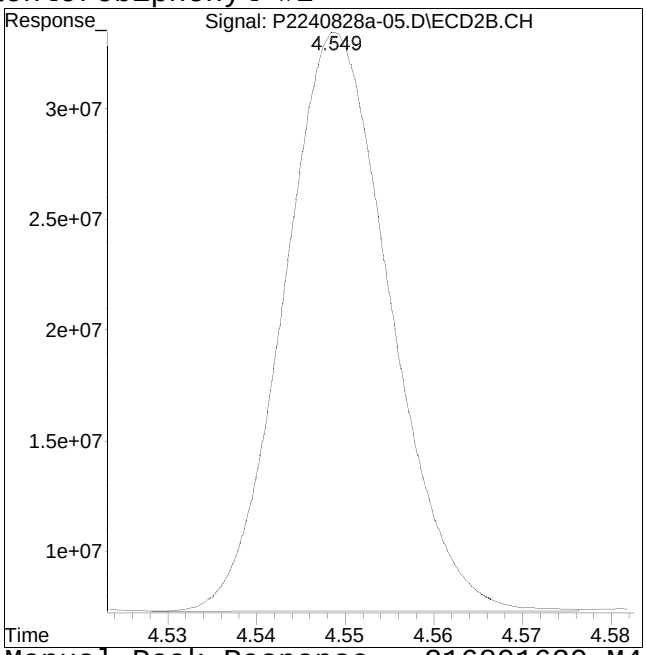
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #54: Decachlorobiphenyl #2



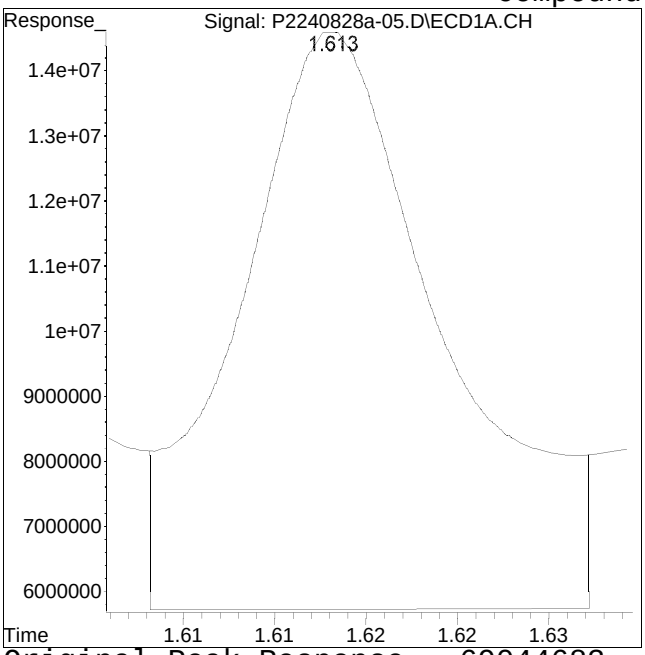


Original Peak Response = 231190023 Manual Peak Response = 216801620 M4
M4 = Poor automated baseline construction.

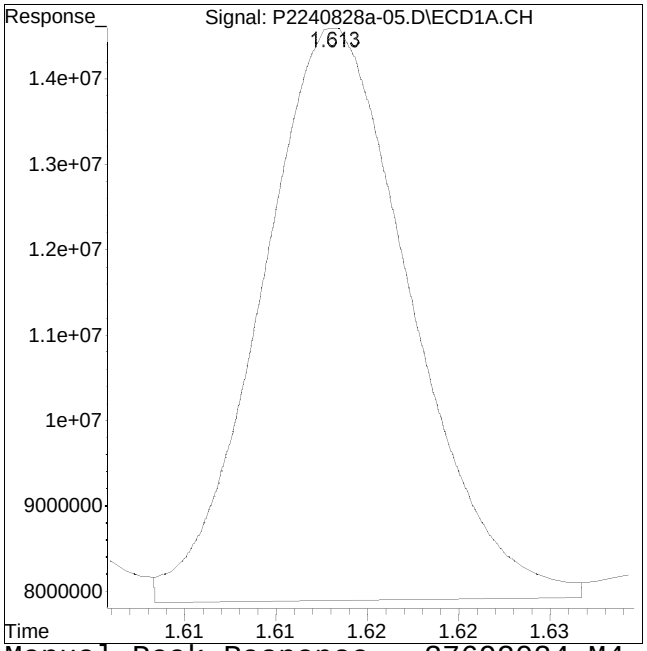
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #4: 1016-1



Original Peak Response = 69044683



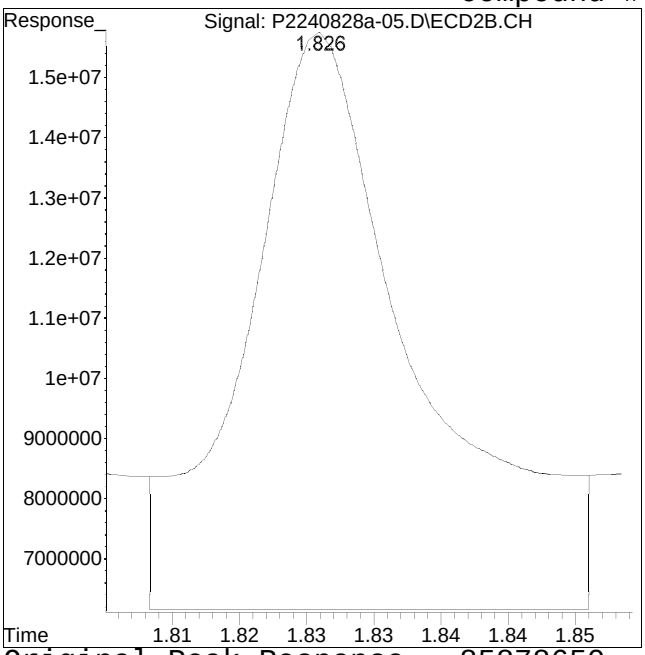
Manual Peak Response = 37692024 M4

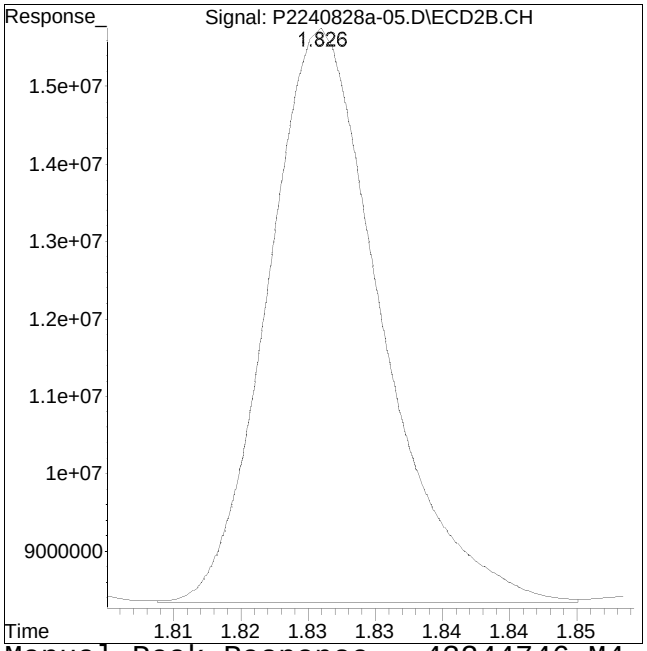
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #55: 1016-1 #2



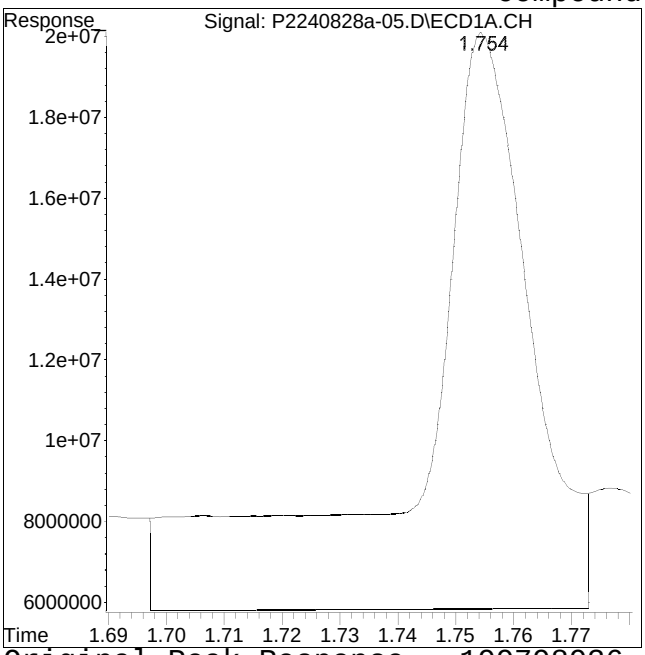


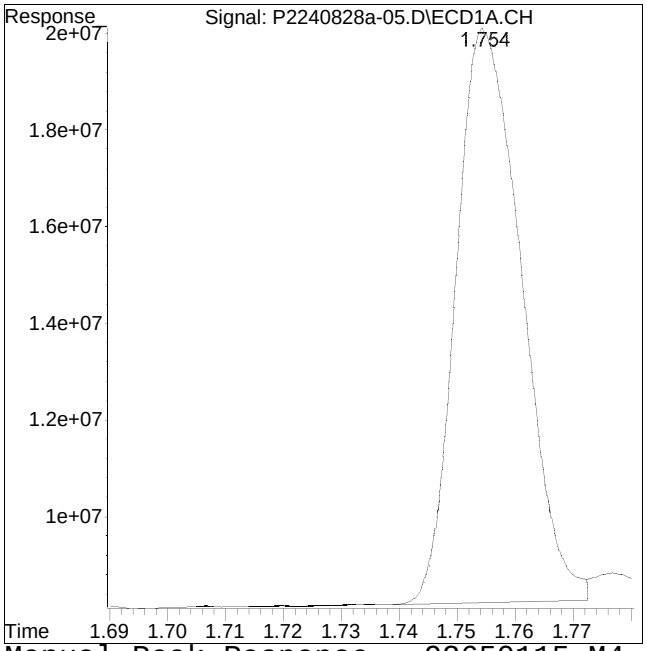
Original Peak Response = 85878650 Manual Peak Response = 43244746 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #5: 1016-2



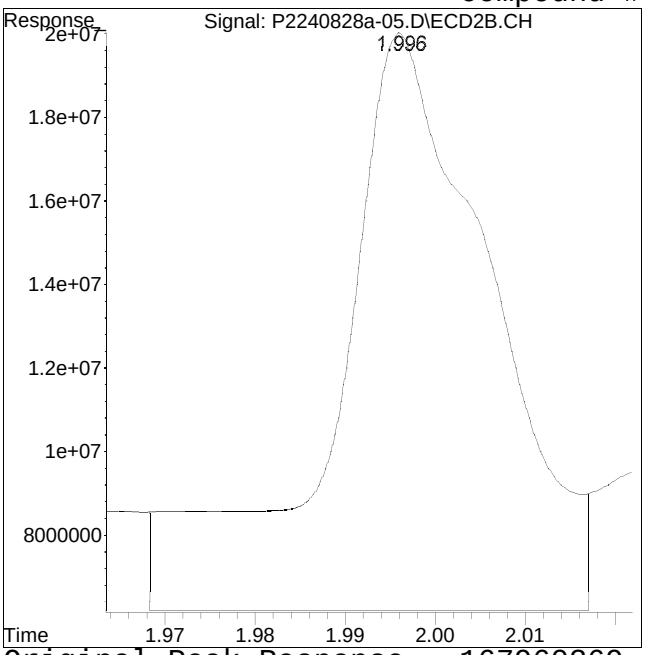


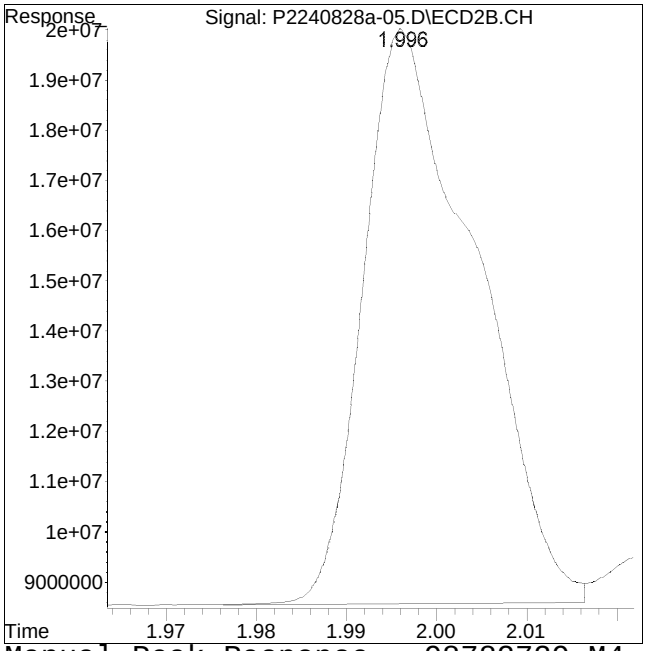
Original Peak Response = 199798936 Manual Peak Response = 92650115 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #56: 1016-2 #2



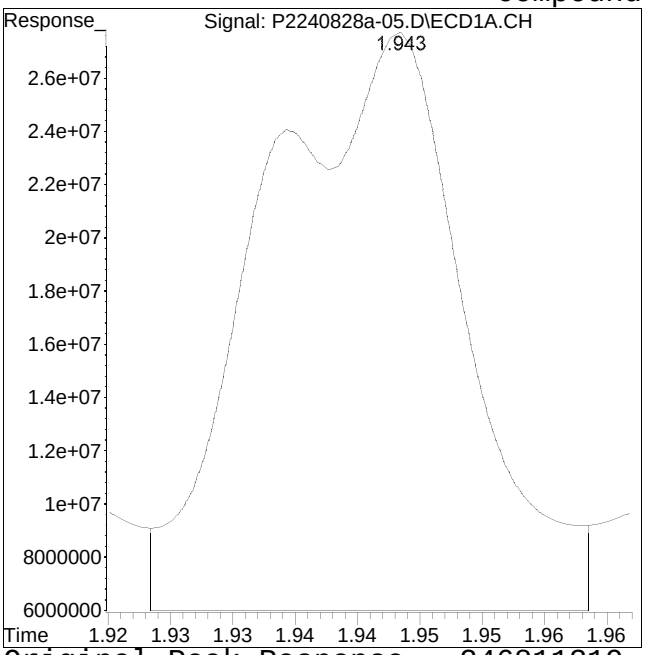


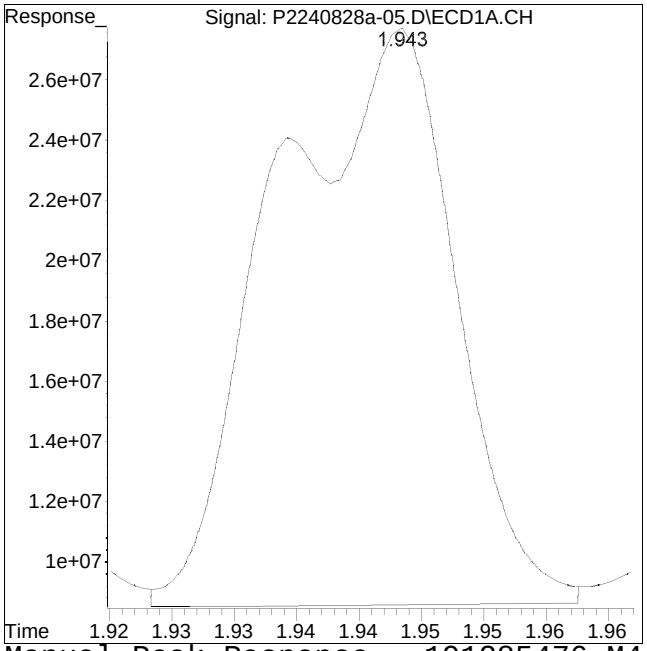
Original Peak Response = 167960369 Manual Peak Response = 98782729 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #6: 1016-3



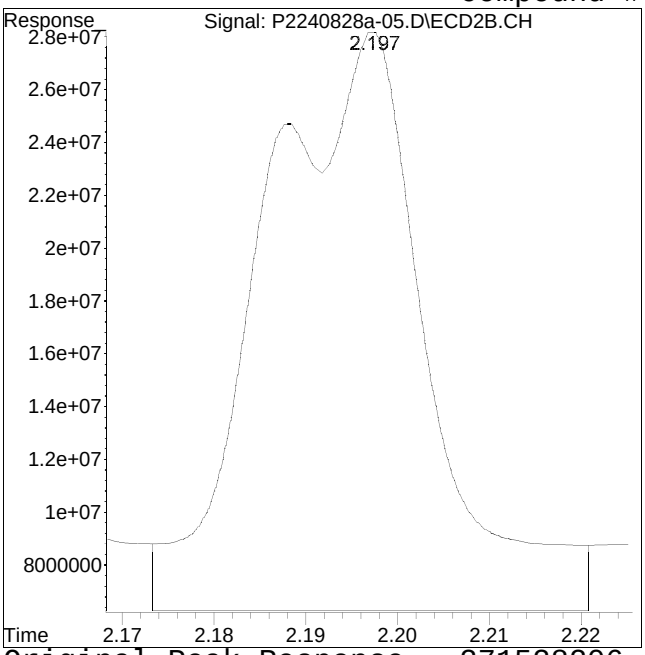


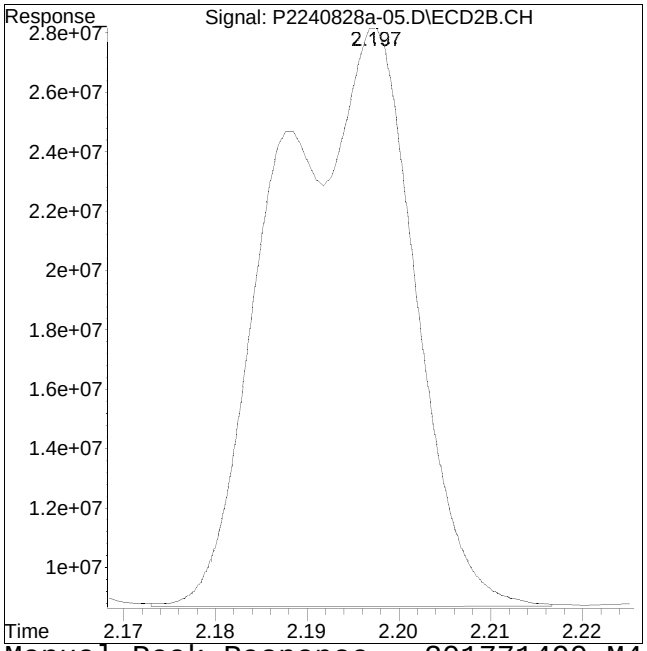
Original Peak Response = 246811319 Manual Peak Response = 191285476 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #57: 1016-3 #2



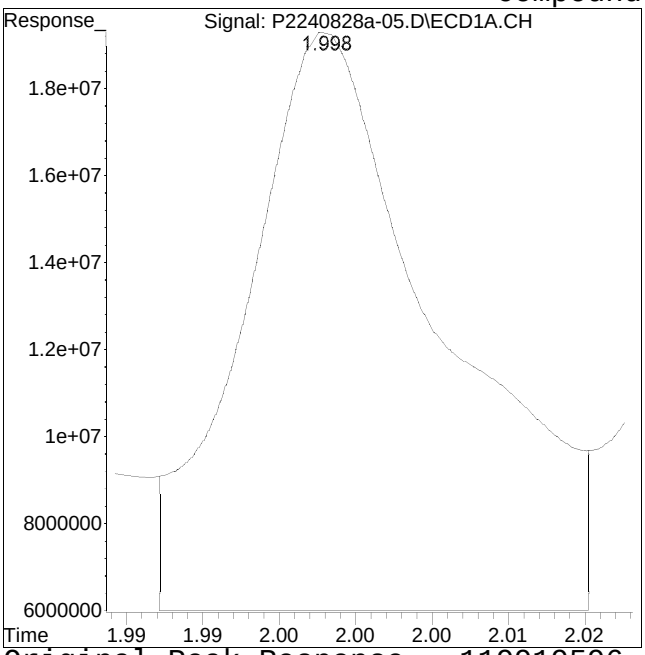


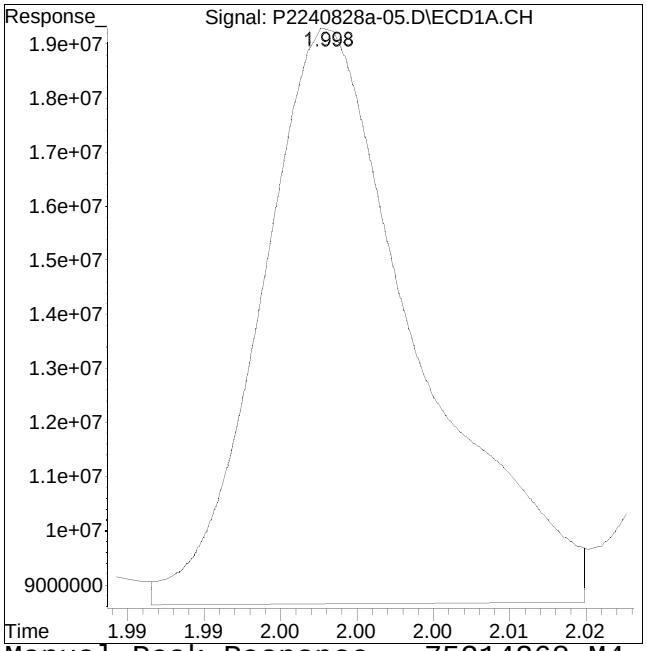
Original Peak Response = 271528206 Manual Peak Response = 201771490 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #7: 1016-4



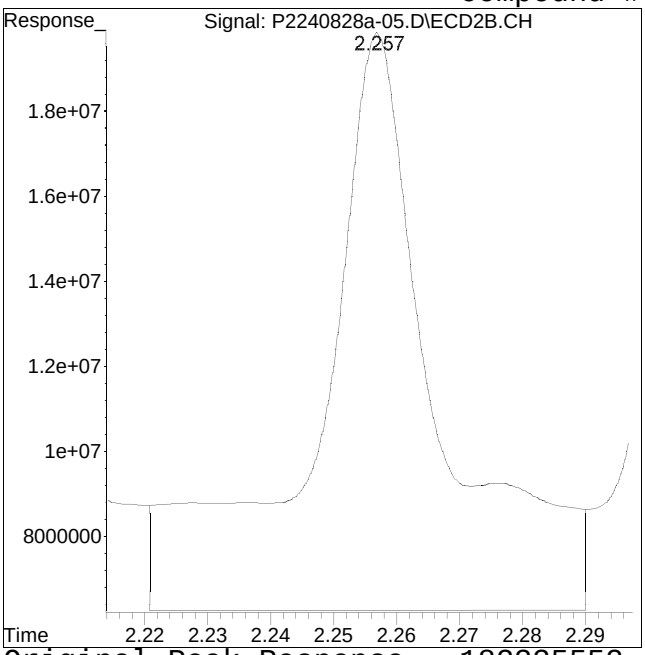


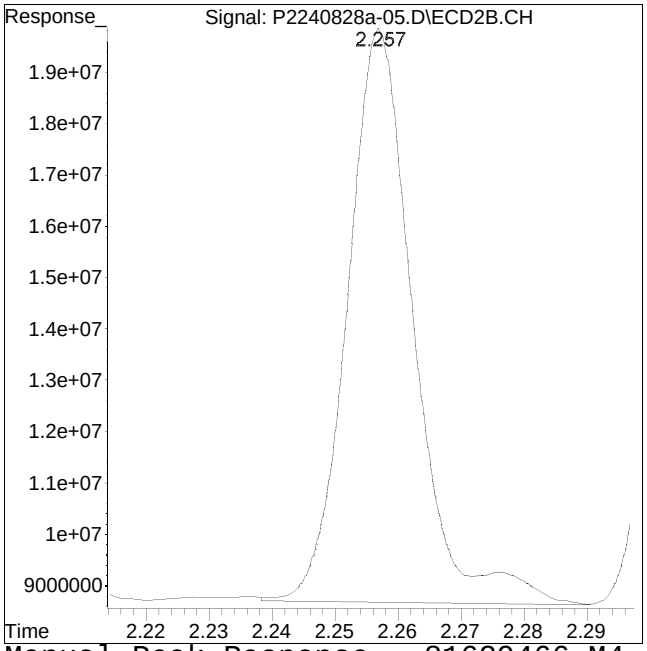
Original Peak Response = 119919596 Manual Peak Response = 75214268 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #58: 1016-4 #2



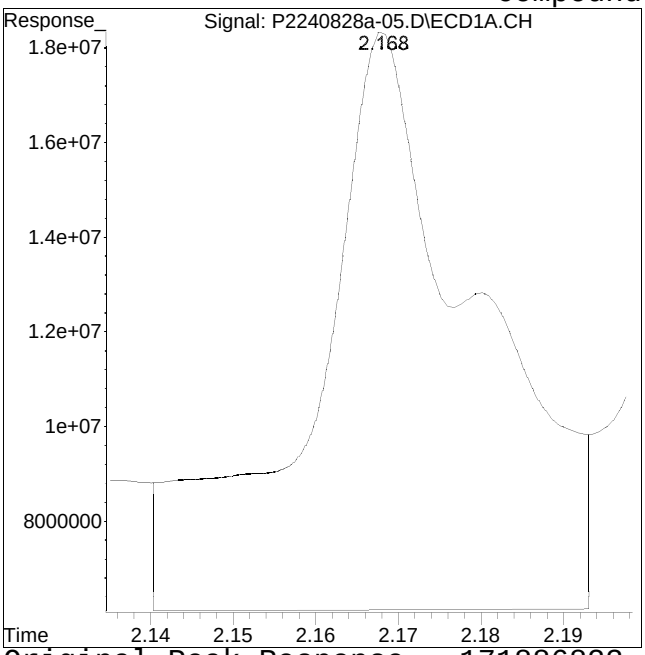


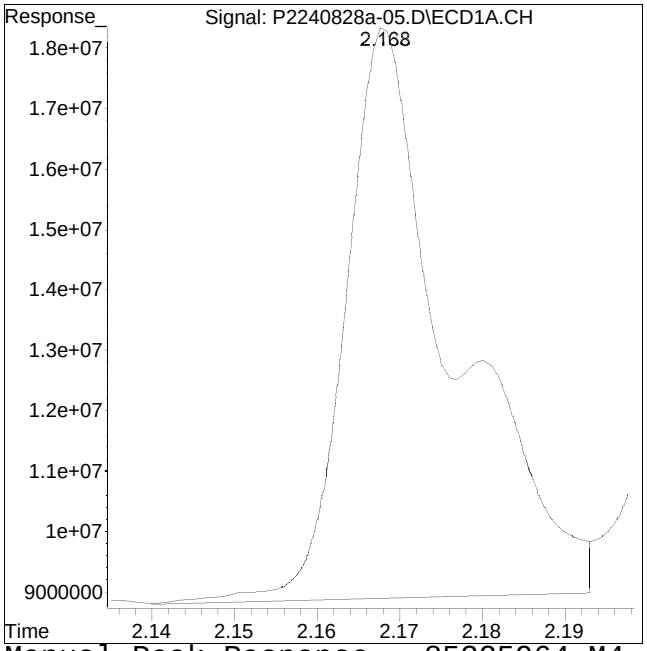
Original Peak Response = 182335552 Manual Peak Response = 81629466 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #8: 1016-5



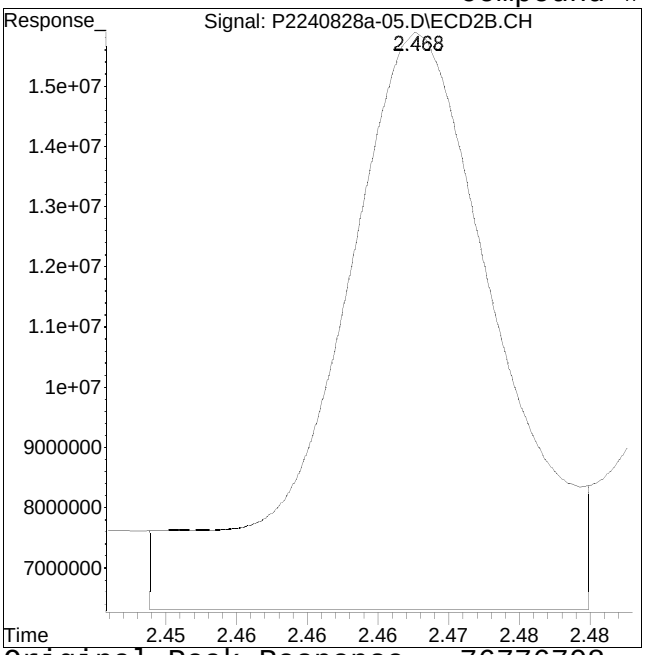


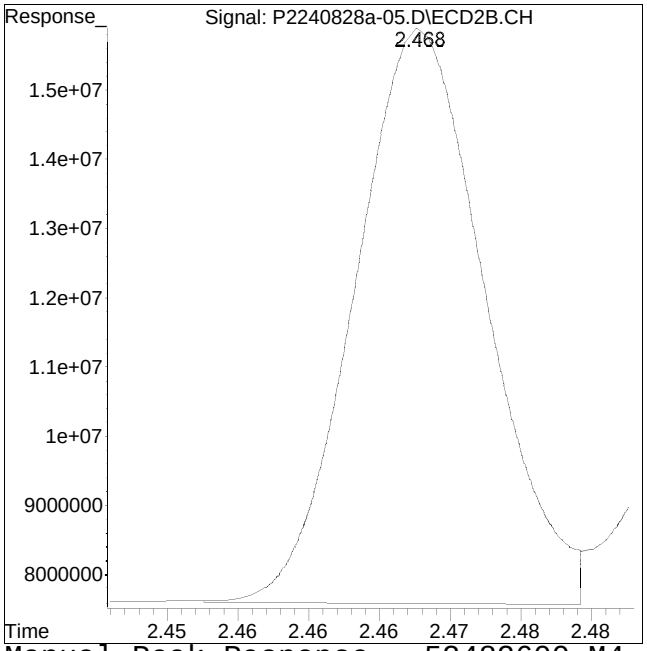
Original Peak Response = 171886823 Manual Peak Response = 85325964 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #59: 1016-5 #2



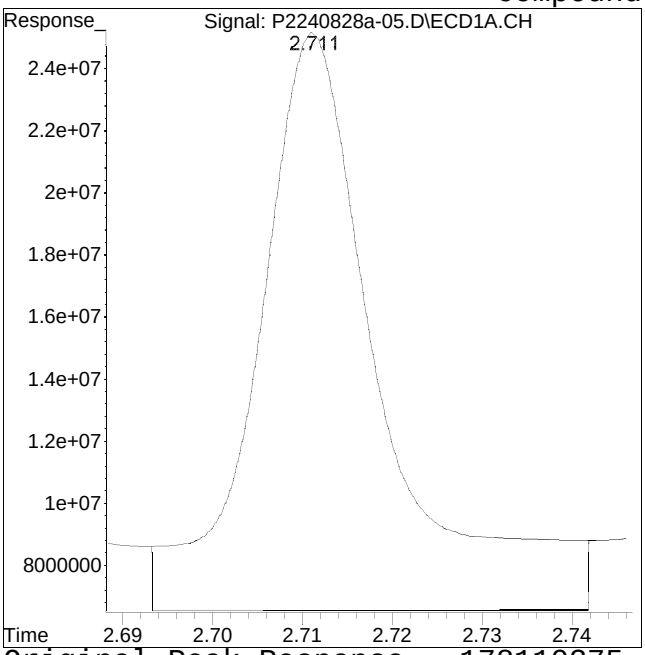


Original Peak Response = 76776708 Manual Peak Response = 52482600 M4
M4 = Poor automated baseline construction.

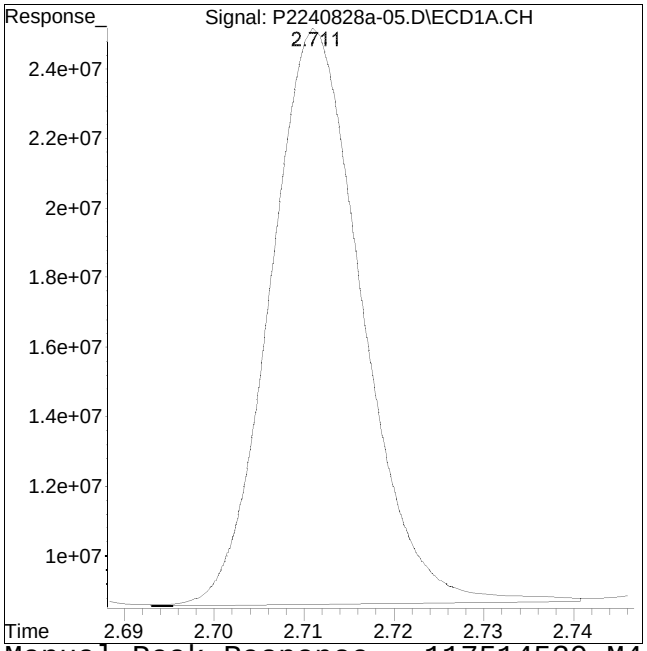
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #9: 1260-1



Original Peak Response = 178110375



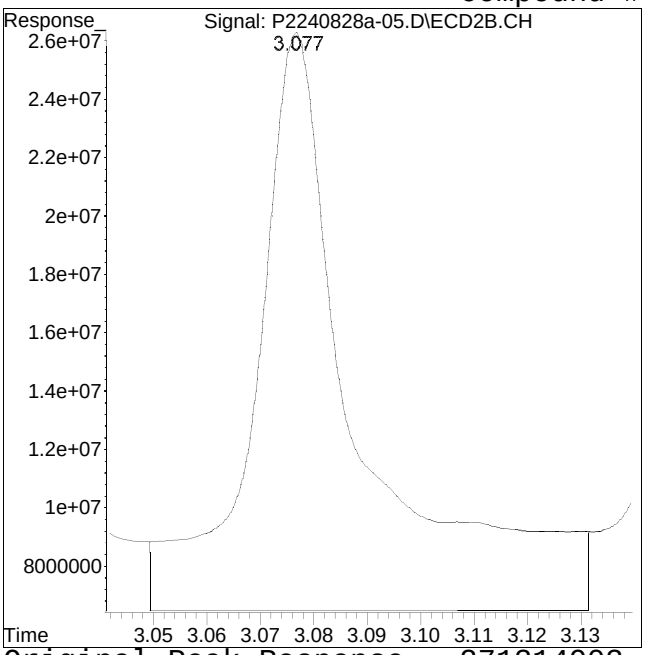
Manual Peak Response = 117514530 M4

M4 = Poor automated baseline construction.

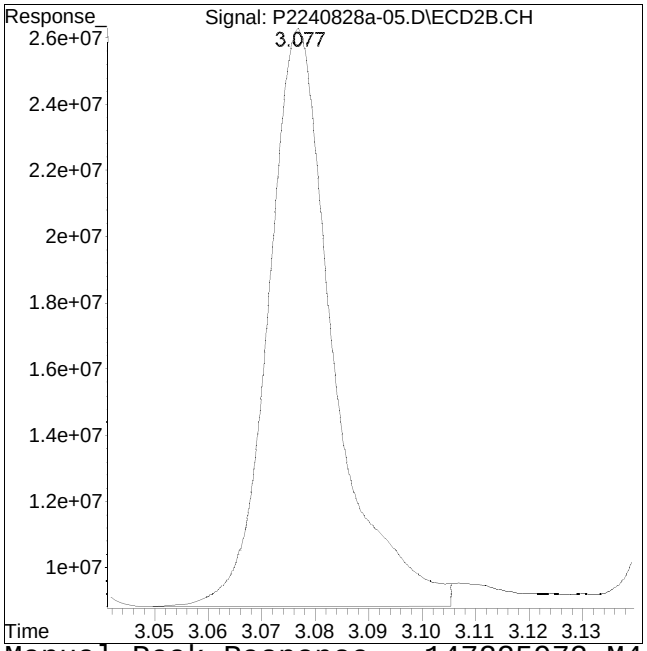
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #60: 1260-1 #2



Original Peak Response = 271314903



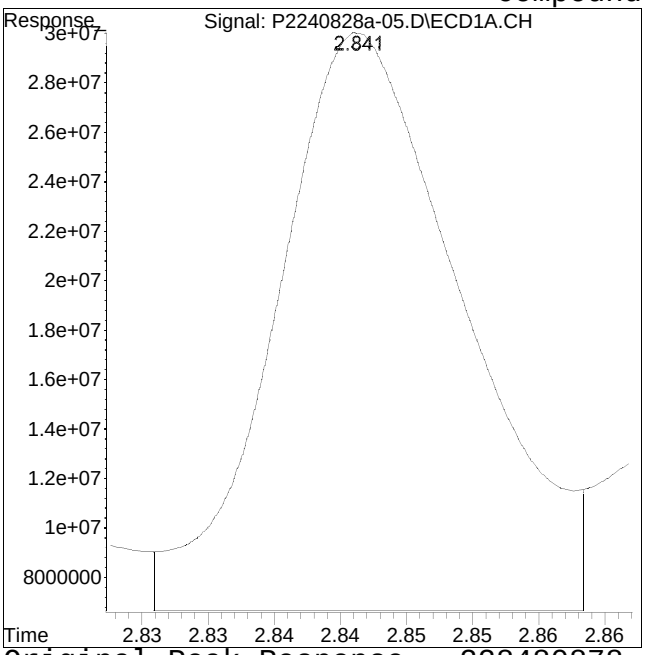
Manual Peak Response = 147225972 M4

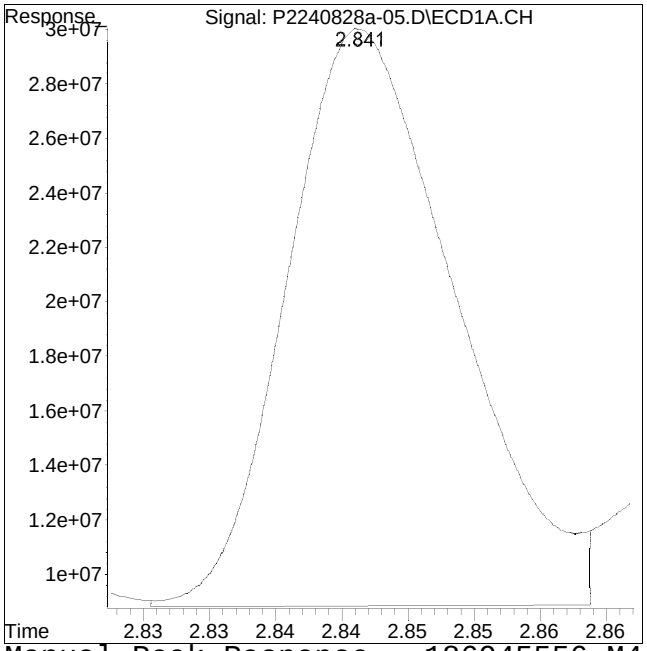
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #10: 1260-2



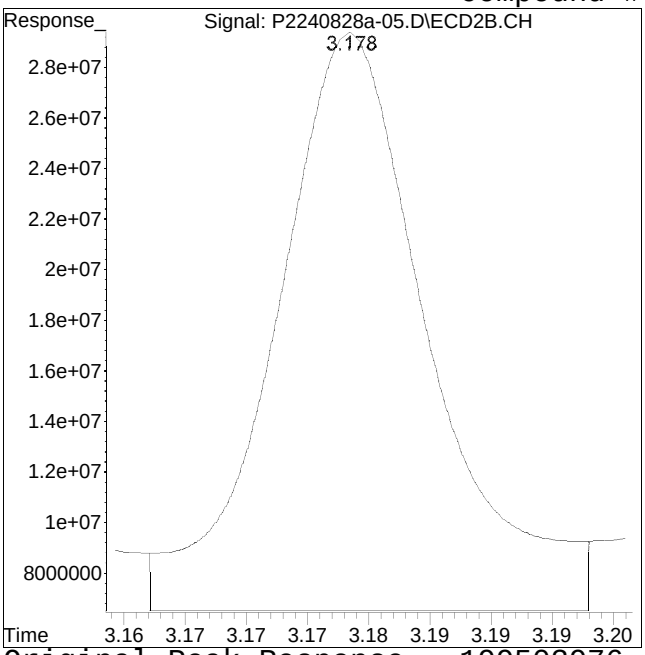


Original Peak Response = 228480878 Manual Peak Response = 186945556 M4
M4 = Poor automated baseline construction.

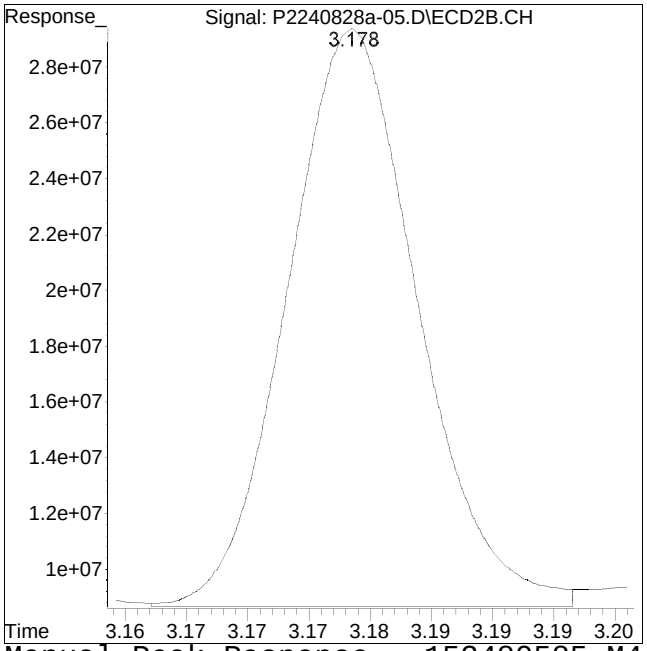
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #61: 1260-2 #2



Original Peak Response = 199503976



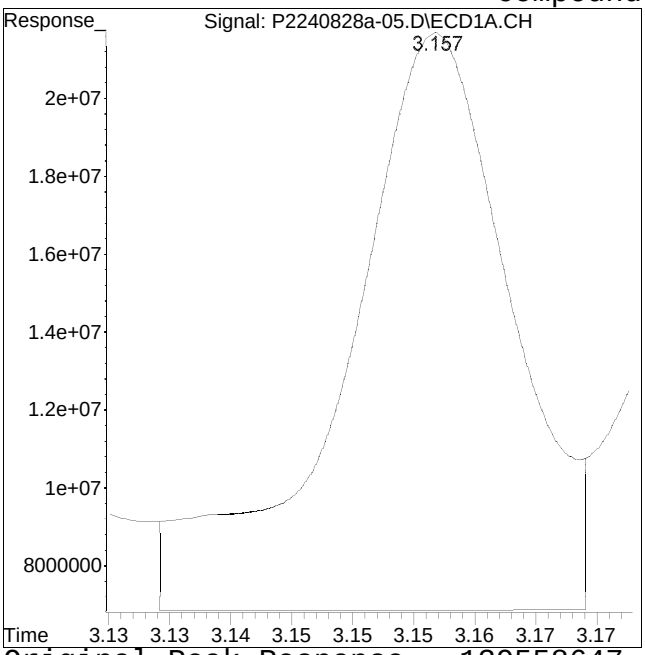
Manual Peak Response = 152480585 M4

M4 = Poor automated baseline construction.

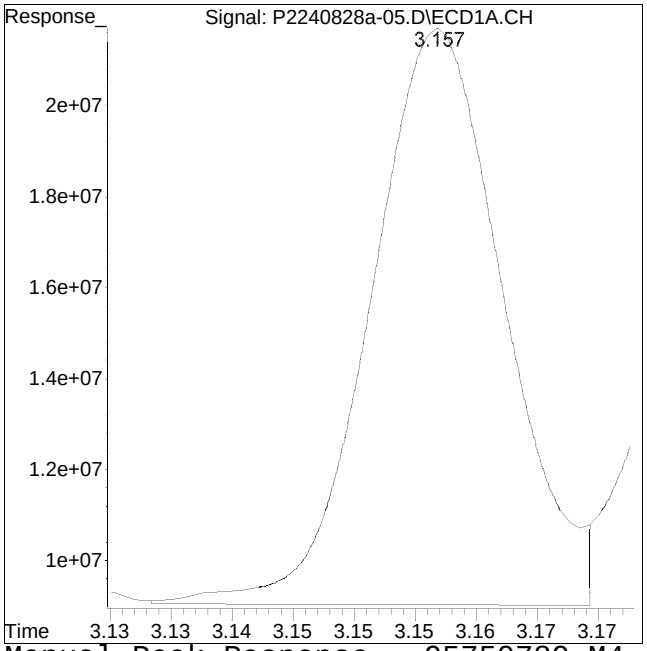
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #11: 1260-3



Original Peak Response = 139558647



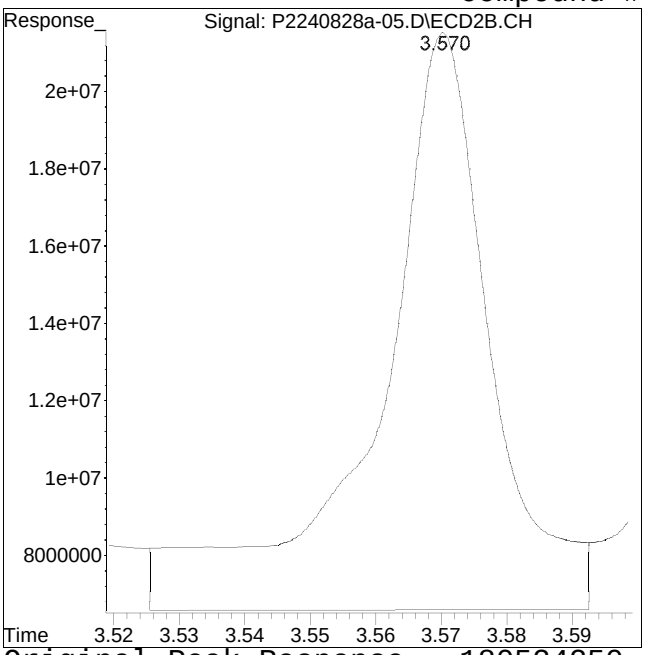
Manual Peak Response = 95750789 M4

M4 = Poor automated baseline construction.

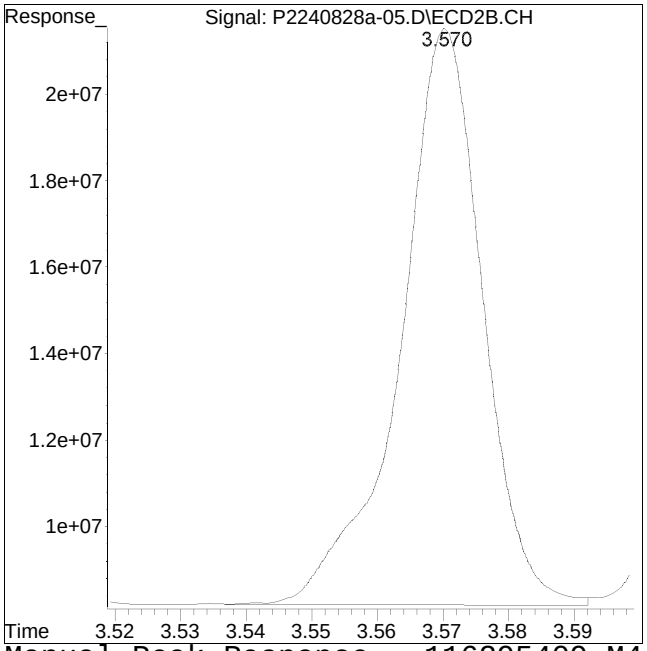
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #62: 1260-3 #2



Original Peak Response = 180524250



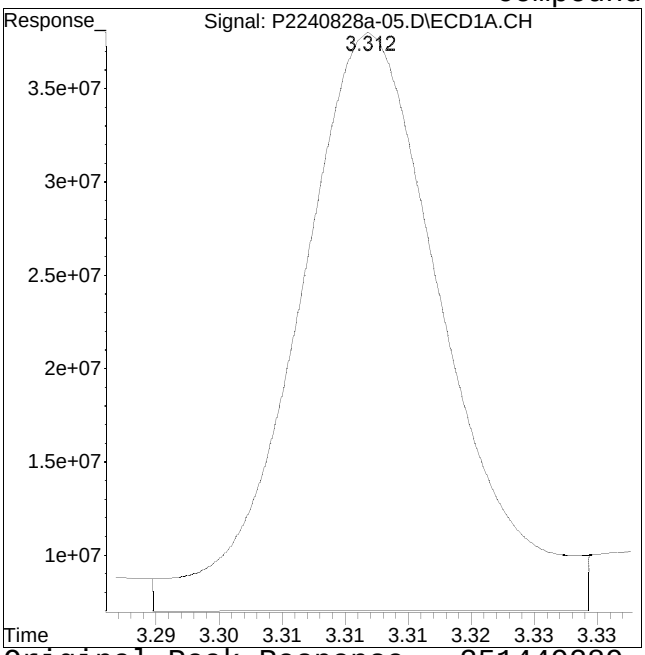
Manual Peak Response = 116295409 M4

M4 = Poor automated baseline construction.

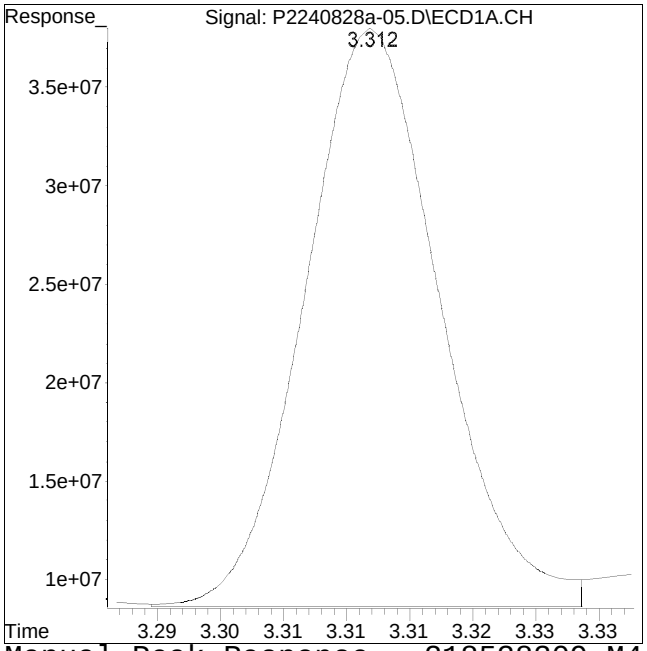
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #12: 1260-4



Original Peak Response = 251449289



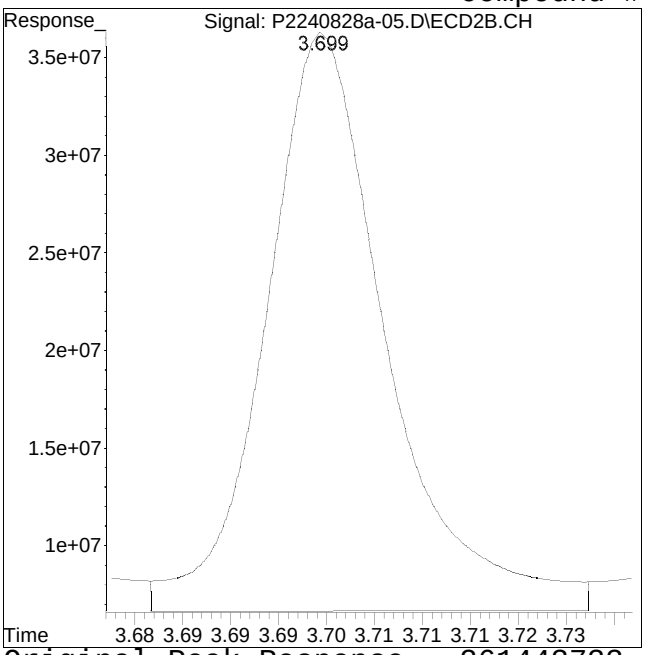
Manual Peak Response = 218538309 M4

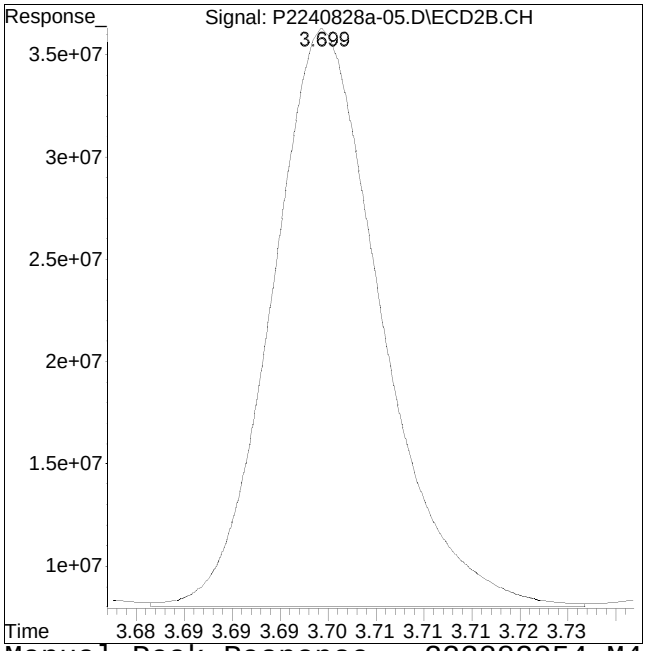
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #63: 1260-4 #2



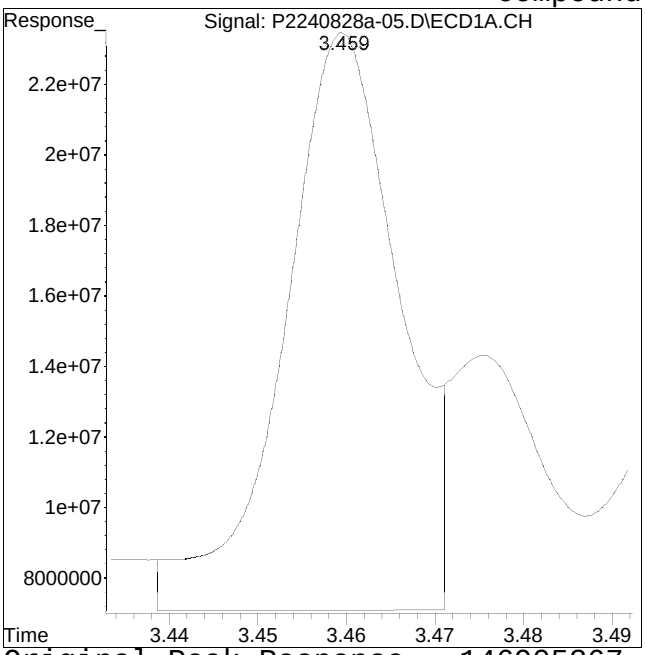


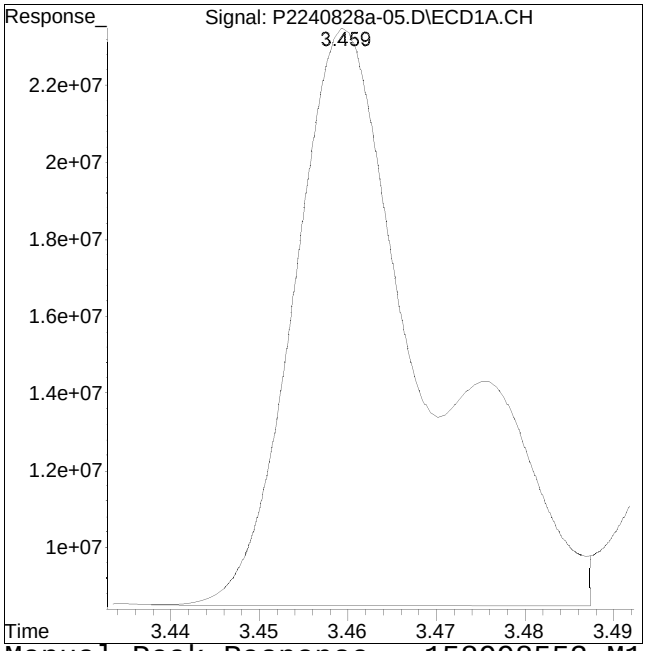
Original Peak Response = 261443733 Manual Peak Response = 223882854 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #13: 1260-5



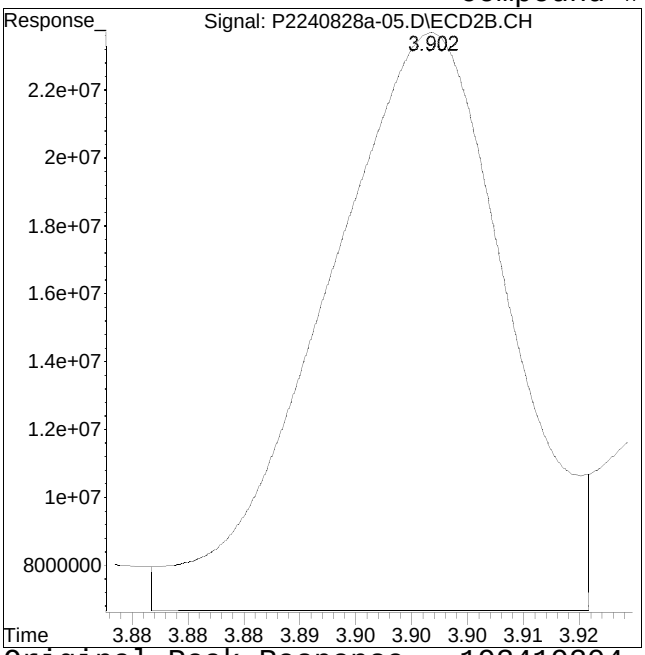


Original Peak Response = 146905367 Manual Peak Response = 158998553 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

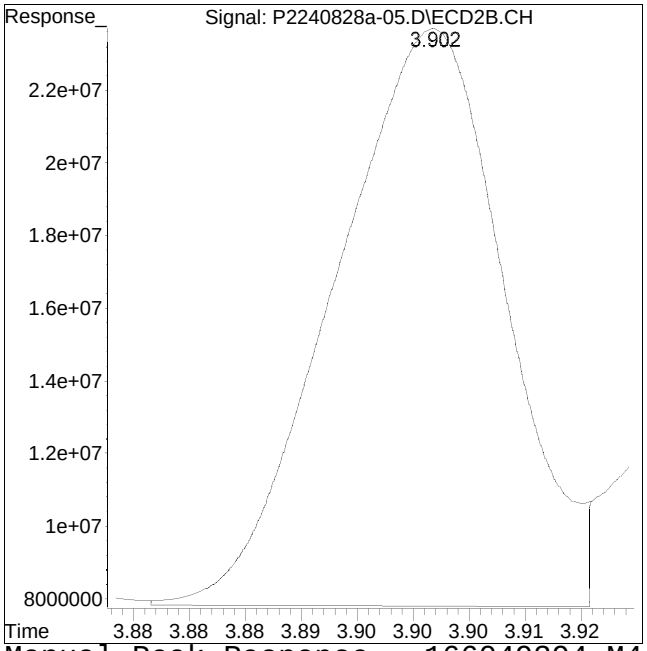
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-05.D Operator : pest2:akm
Date Inj'd : 8/28/2024 6:47 Instrument : Pest 2
Sample : wg1964804-1,42,, +1660 lviQuant Date : 8/28/2024 6:54 am

Compound #64: 1260-5 #2



Original Peak Response = 193419304



Manual Peak Response = 166049394 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:29
Operator : pest2:meo
Sample : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	93	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.544	4.1	94	0.00
3	s	Decachlorobiphenyl		1.174	1.060	9.7	89	0.00
4	l1	1016-1		0.029	0.026	10.3	92	0.00
5	l1	1016-2		0.054	0.061	-13.0	103	0.00
6	l1	1016-3		0.124	0.127	-2.4	101	0.00
7	l1	1016-4		0.051	0.052	-2.0	103	0.00
8	l1	1016-5		0.059	0.055	6.8	102	0.00
9	l2	1260-1		0.077	0.075	2.6	97	0.00
10	l2	1260-2		0.115	0.117	-1.7	101	0.00
11	l2	1260-3		0.070	0.065	7.1	87	0.00
12	l2	1260-4		0.150	0.132	12.0	85	0.00
13	l2	1260-5		0.111	0.100	9.9	89	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	86	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.511	1.570	-3.9	96	0.00
54	s	Decachlorobiphenyl #2		1.009	1.055	-4.6	100	0.00
55	l1	1016-1 #2		0.028	0.029	-3.6	102	0.00
56	l1	1016-2 #2		0.060	0.066	-10.0	104	0.00
57	l1	1016-3 #2		0.120	0.134	-11.7	106	0.00
58	l1	1016-4 #2		0.051	0.054	-5.9	105	0.00
59	l1	1016-5 #2		0.037	0.041	-10.8	103	0.00
60	l2	1260-1 #2		0.068	0.084	-23.5#	109	0.00
61	l2	1260-2 #2		0.088	0.096	-9.1	101	0.00
62	l2	1260-3 #2		0.071	0.072	-1.4	93	0.00
63	l2	1260-4 #2		0.141	0.137	2.8	91	0.00
64	l2	1260-5 #2		0.104	0.104	0.0	96	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 14:29
Operator : pest2:meo
Sample   : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
,,,pp 11621 (Sig #2)
Misc   : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
...   1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:29
Operator : pest2:meo
Sample : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.257	175.6E6	193.2E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.474	1.627	173.5E6	194.2E6	15.346	16.632M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		76.73%	83.16%
3) s	Decachlorobi	4.039	4.548	238.1E6	260.9E6	28.874	33.462M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		144.37%	167.31%#
	Target Compounds						
4) l1	1016-1	1.611	1.826	46280866	56542459	228.460M4	264.245M4
5) l1	1016-2	1.751	1.996	106.3E6	128.2E6	277.853M4	275.400M4
6) l1	1016-3	1.940	2.197	222.8E6	258.2E6	256.907	277.859M4
7) l1	1016-4	1.994	2.257	91306365	104.9E6	257.225M4	268.185M4
8) l1	1016-5	2.164	2.467	96447083	78814719	231.181M4	277.404M4
	Sum 1016-1			563.2E6	626.7E6	1251.626	1363.093
	Average 1016-1					250.325	272.619
9) l2	1260-1	2.707	3.076	131.5E6	162.6E6	243.067	310.222M4
10) l2	1260-2	2.837	3.178	205.7E6	185.1E6	255.767	271.515M4
11) l2	1260-3	3.153	3.570	113.5E6	138.2E6	230.454	250.422M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:29
Operator : pest2:meo
Sample : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) l2 1260-4	3.308	3.699	232.3E6	265.6E6	220.213	243.471M4
13) l2 1260-5	3.456	3.901	175.8E6	200.2E6	224.846	248.982M4
Sum 1260-1			858.8E6	951.7E6	1174.348	1324.612
Average 1260-1					234.870	264.922
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:29
Operator : pest2:meo
Sample : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

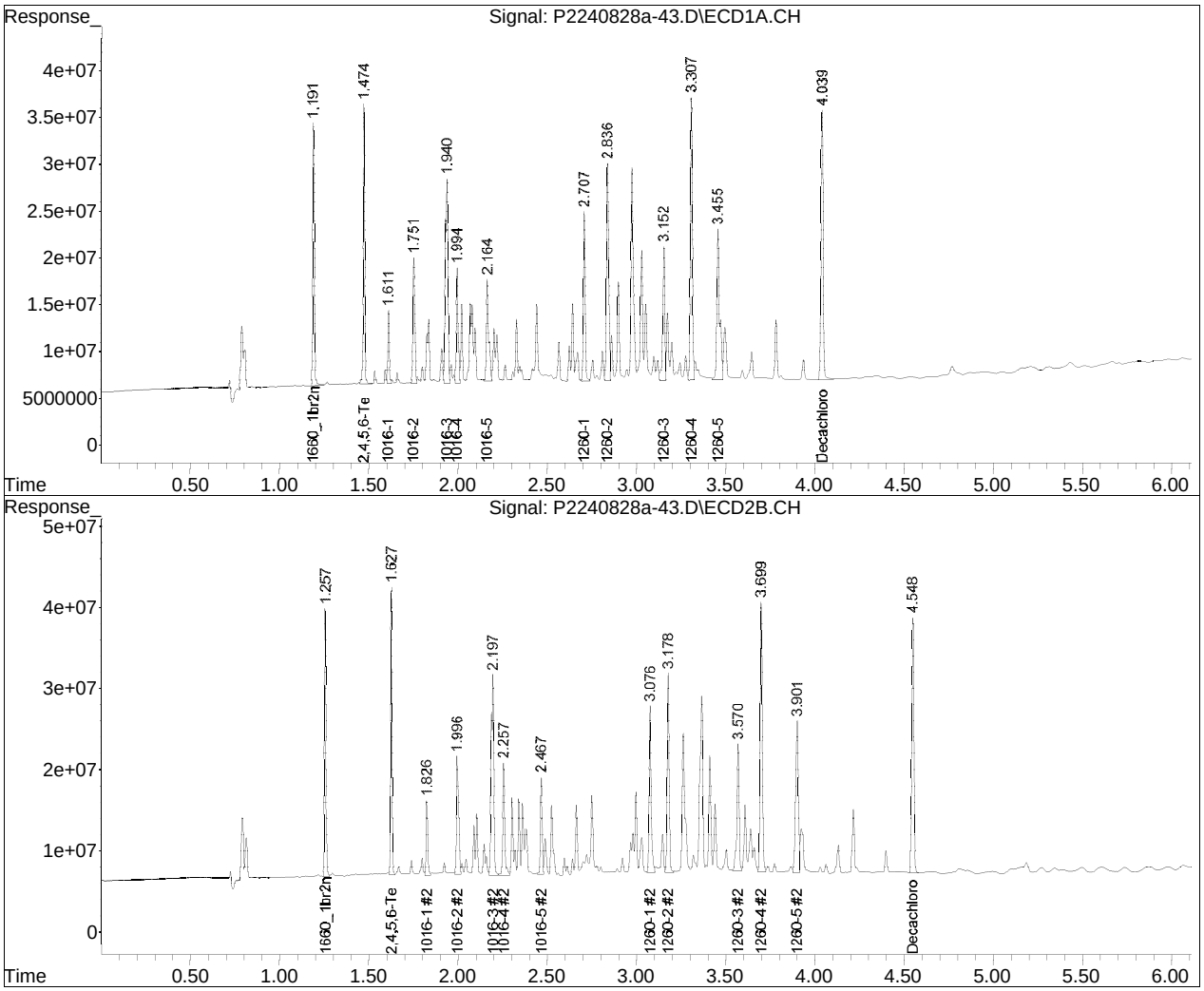
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:29
Operator : pest2:meo
Sample : WG1964804-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
Misc : WG1964804,,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:53:01 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

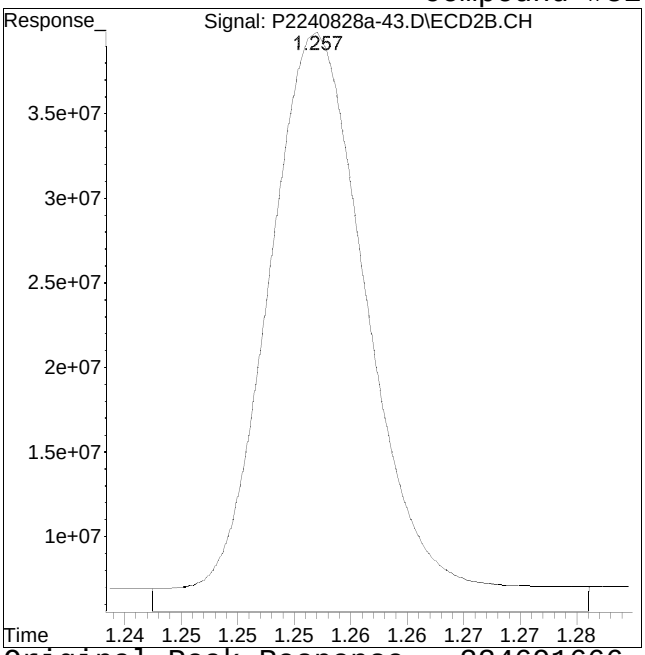
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



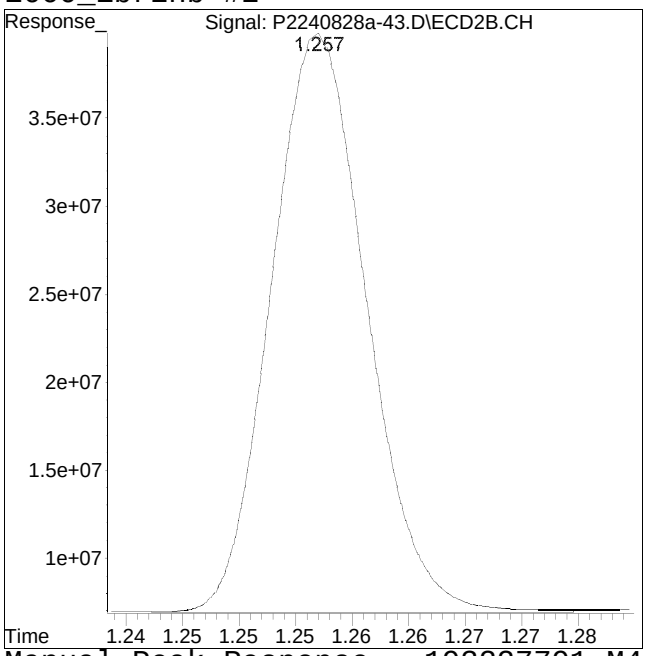
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 224691666



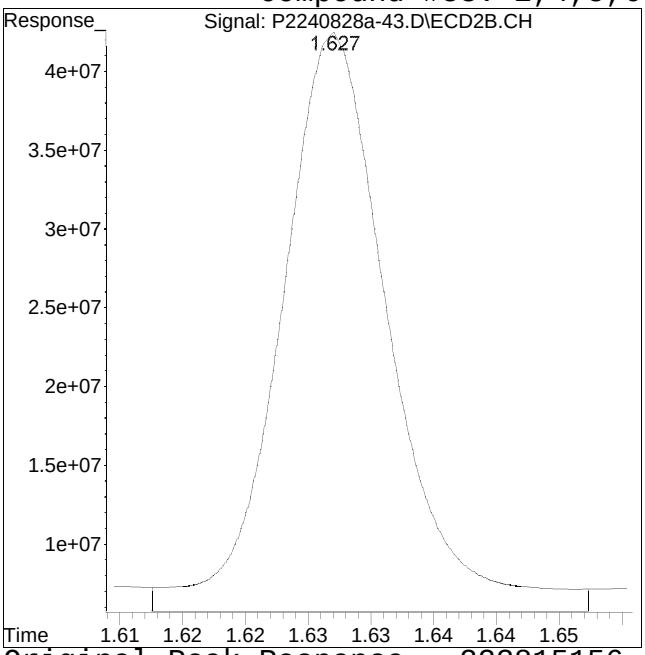
Manual Peak Response = 193227791 M4

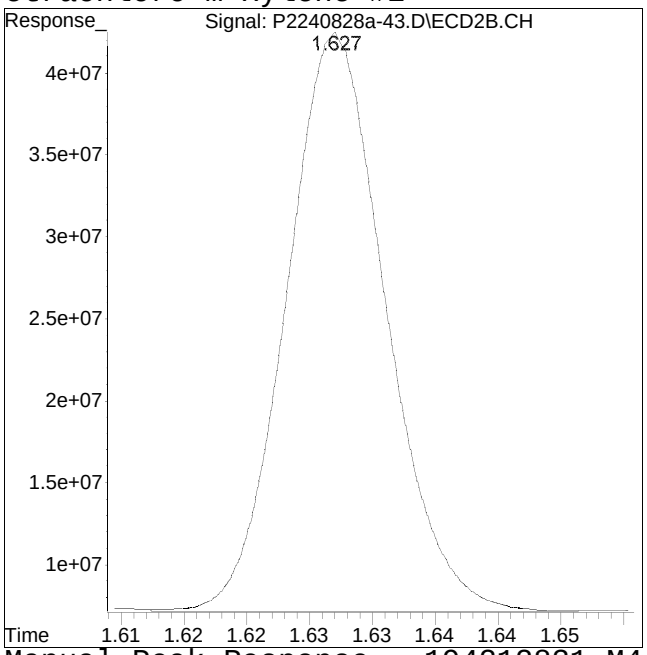
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



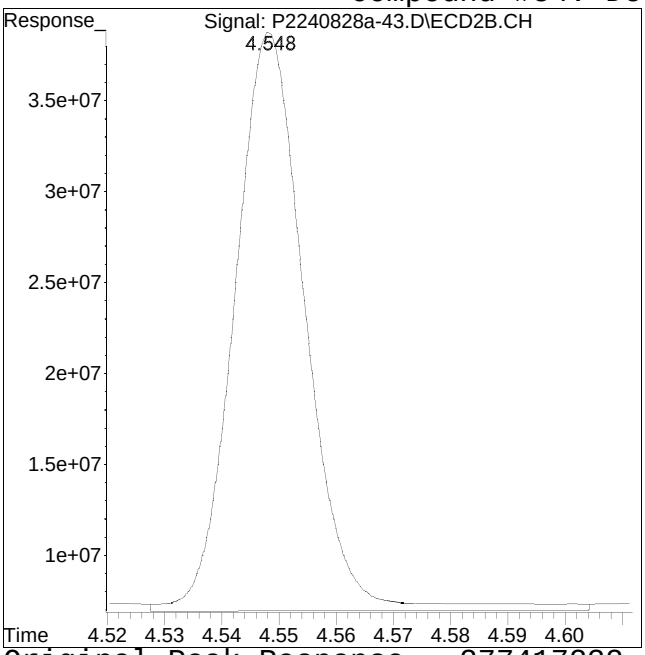


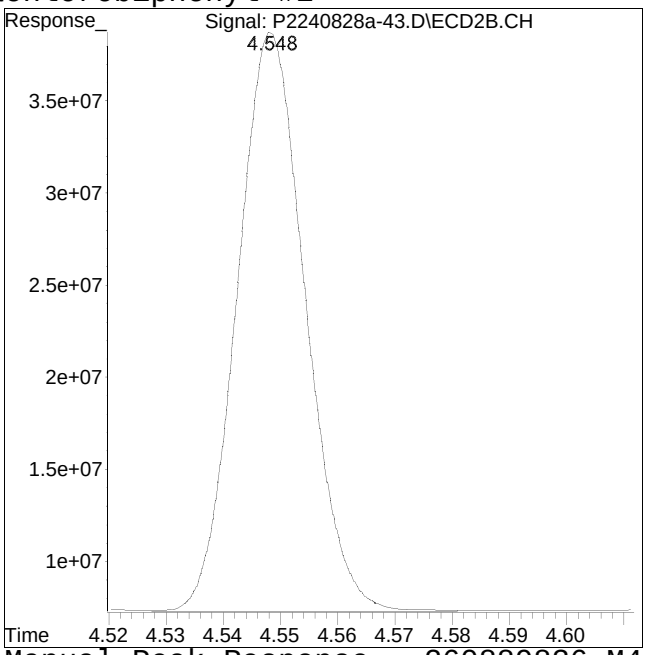
Original Peak Response = 223815156 Manual Peak Response = 194212831 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #54: Decachlorobiphenyl #2



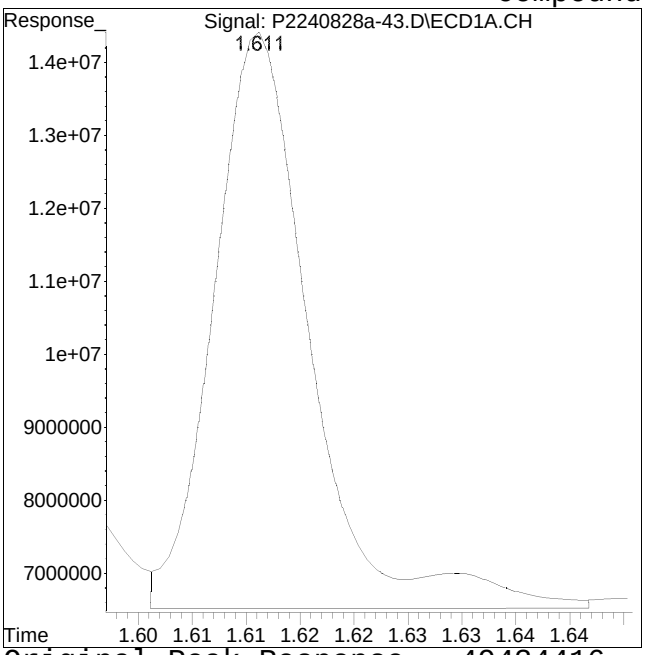


Original Peak Response = 277417232 Manual Peak Response = 260889836 M4
M4 = Poor automated baseline construction.

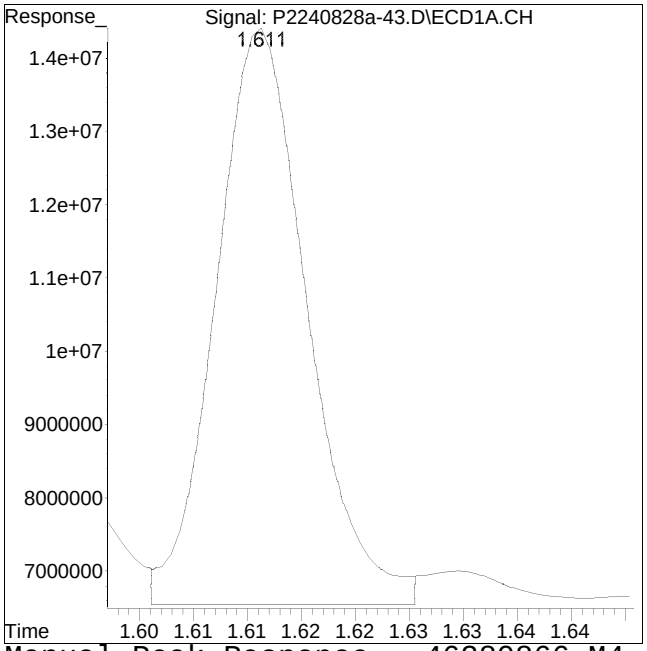
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #4: 1016-1



Original Peak Response = 49434416



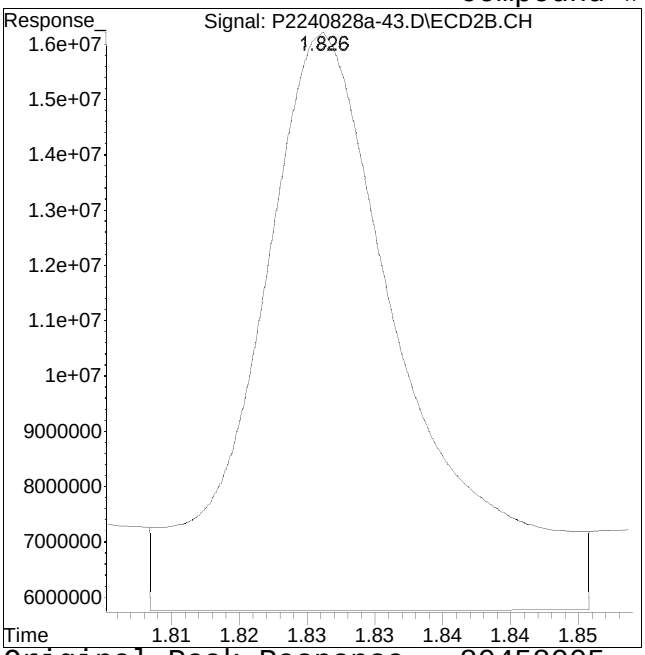
Manual Peak Response = 46280866 M4

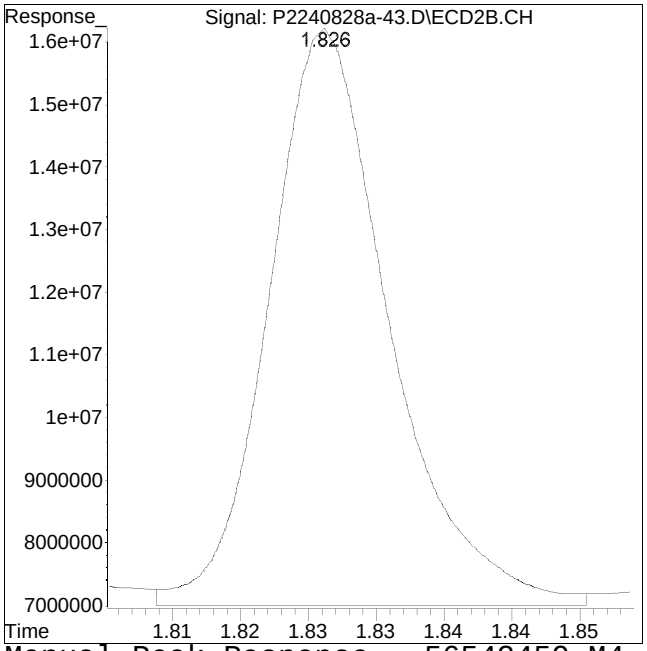
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #55: 1016-1 #2



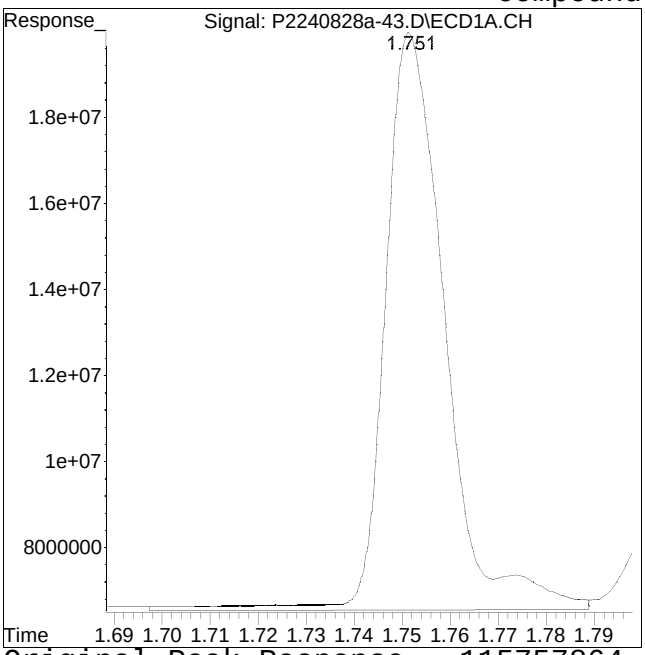


Original Peak Response = 80458005 Manual Peak Response = 56542459 M4
M4 = Poor automated baseline construction.

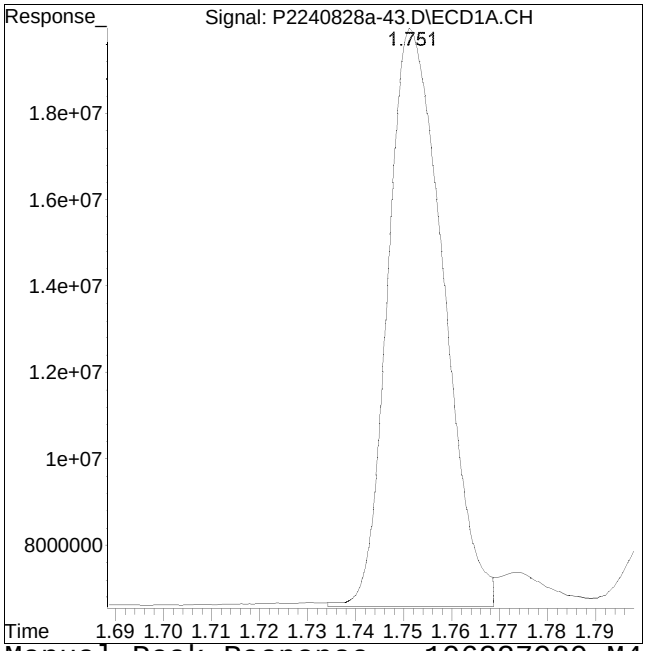
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #5: 1016-2



Original Peak Response = 115757864



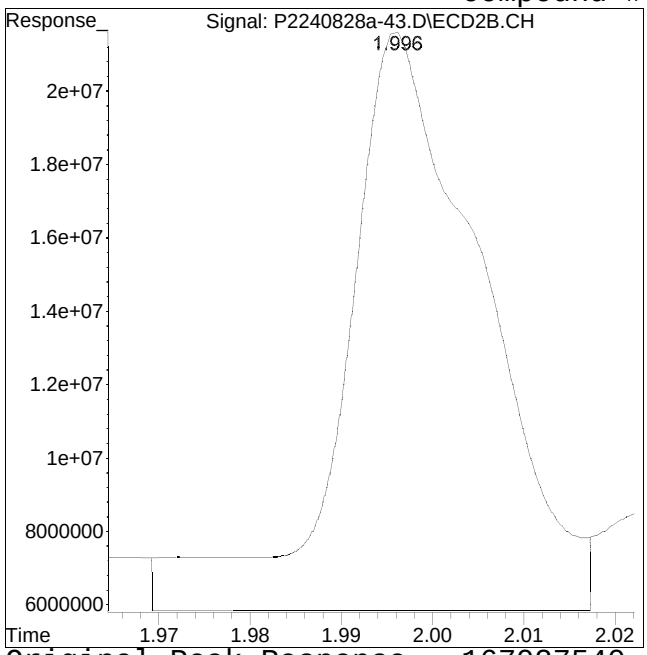
Manual Peak Response = 106327980 M4

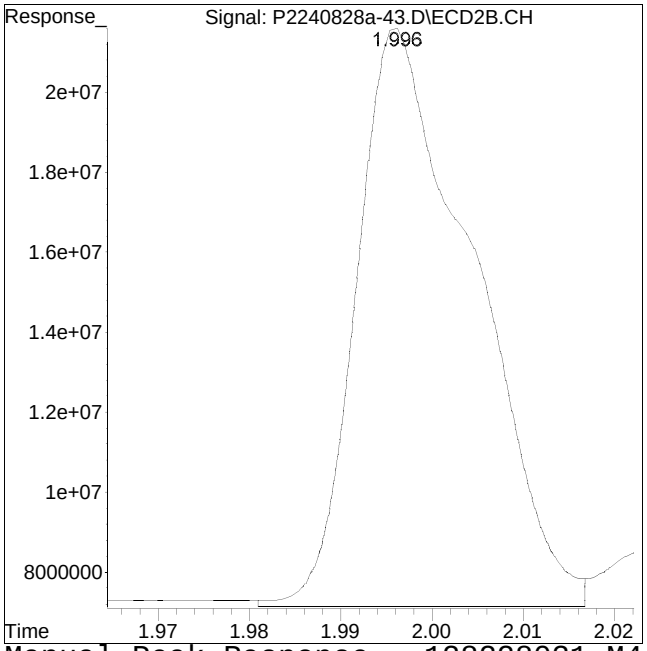
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #56: 1016-2 #2



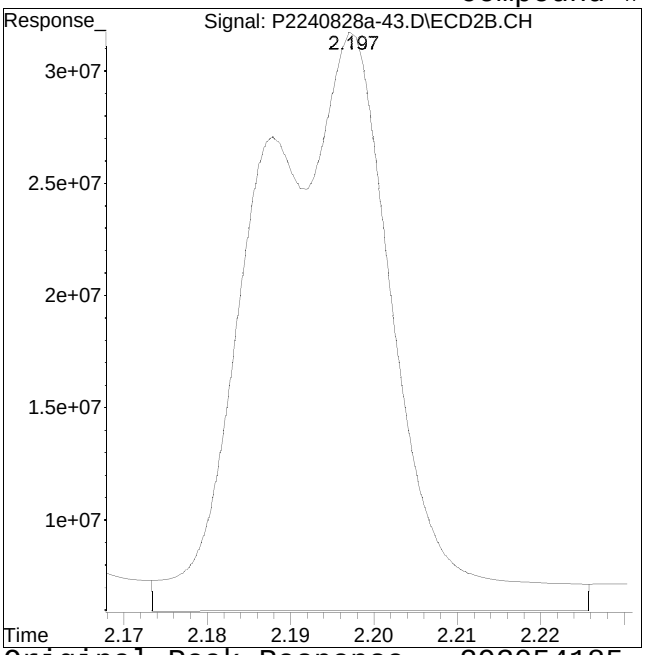


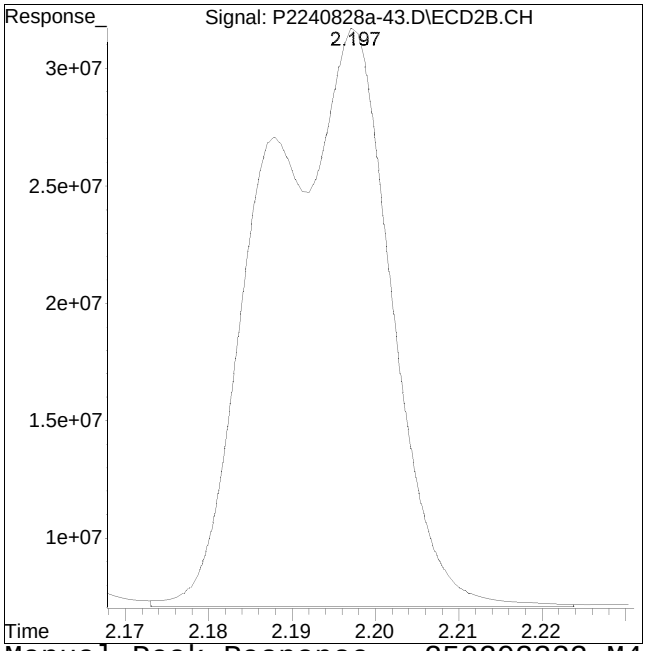
Original Peak Response = 167027540 Manual Peak Response = 128228031 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #57: 1016-3 #2



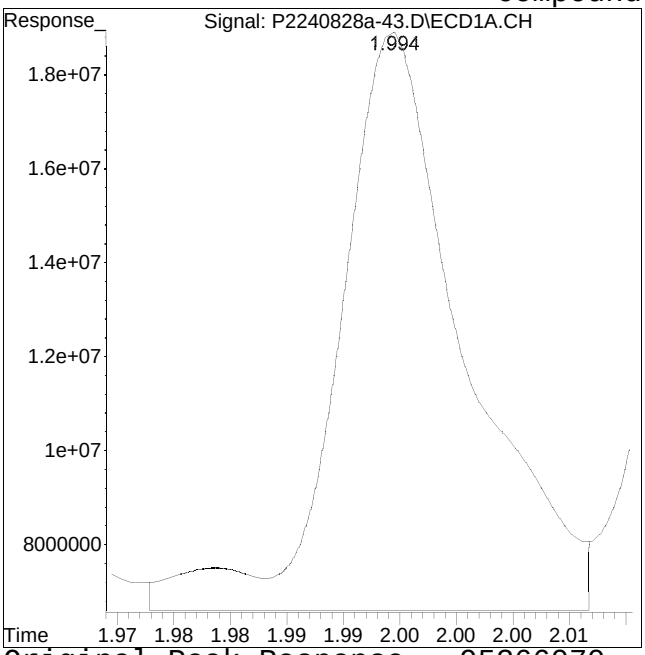


Original Peak Response = 293054185 Manual Peak Response = 258203323 M4
M4 = Poor automated baseline construction.

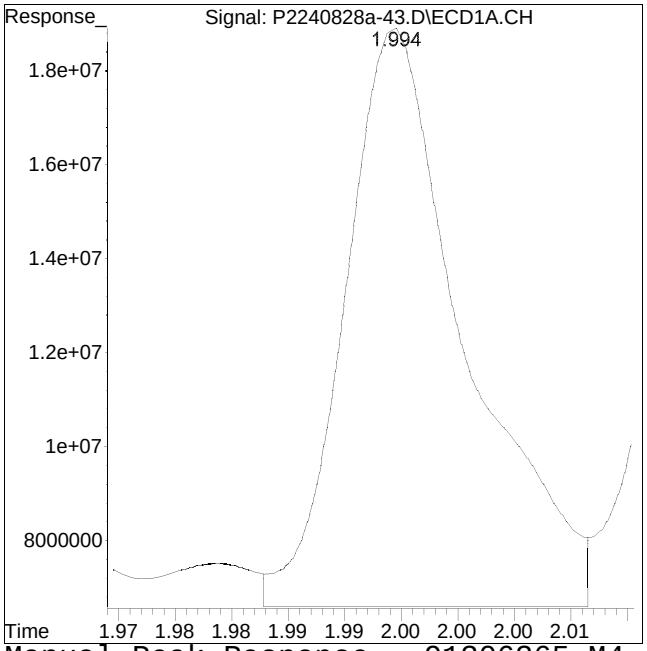
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #7: 1016-4



Original Peak Response = 95366070



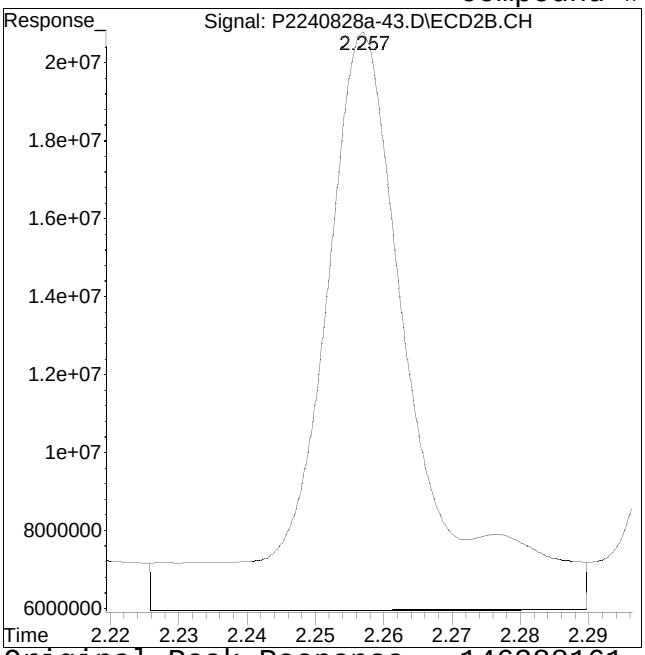
Manual Peak Response = 91306365 M4

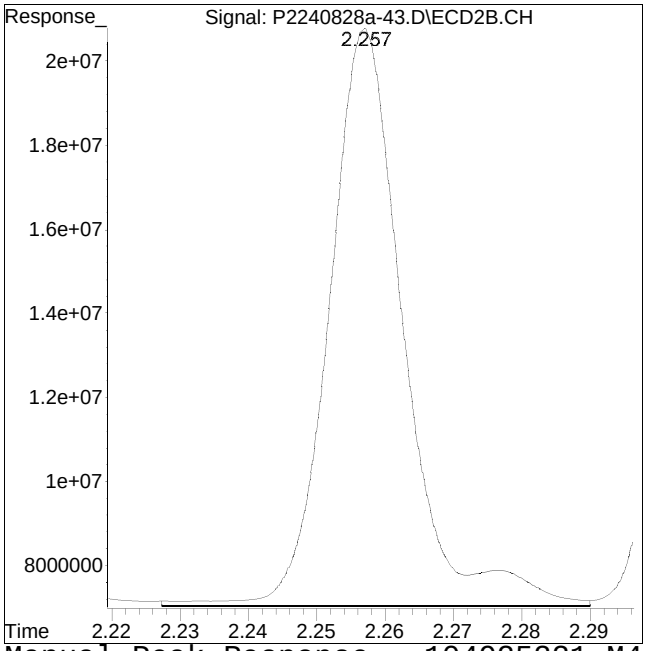
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #58: 1016-4 #2



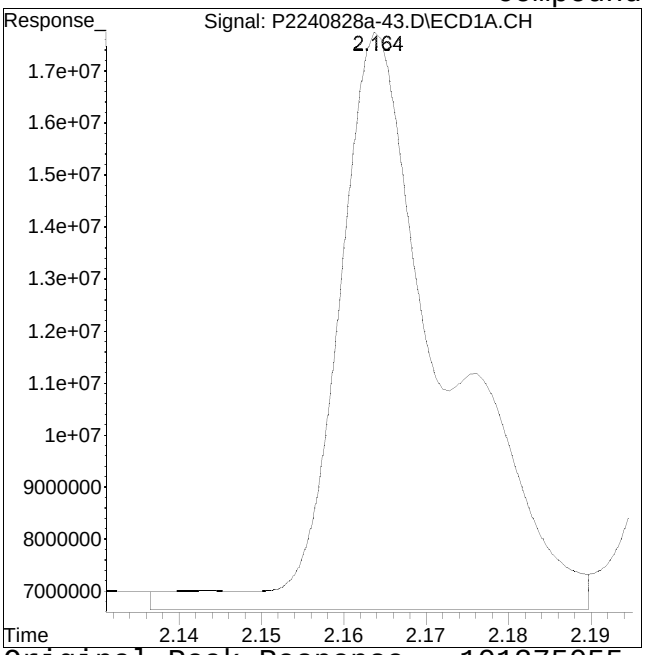


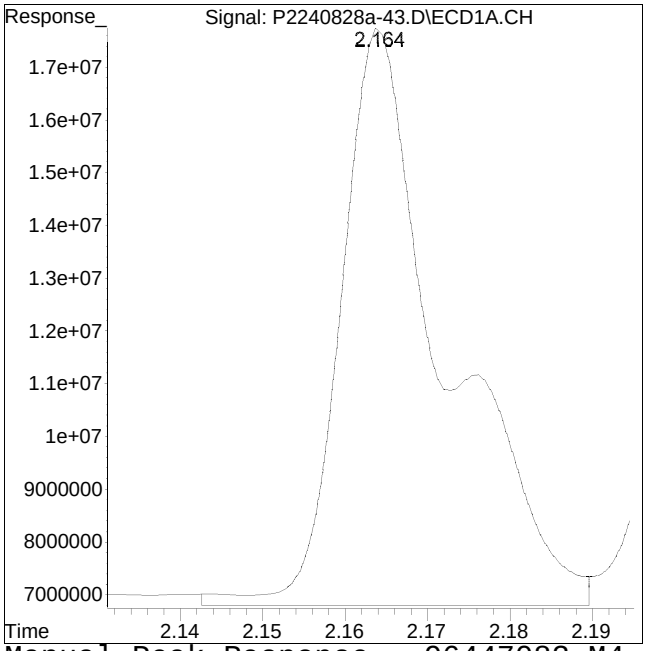
Original Peak Response = 146388161 Manual Peak Response = 104925221 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #8: 1016-5



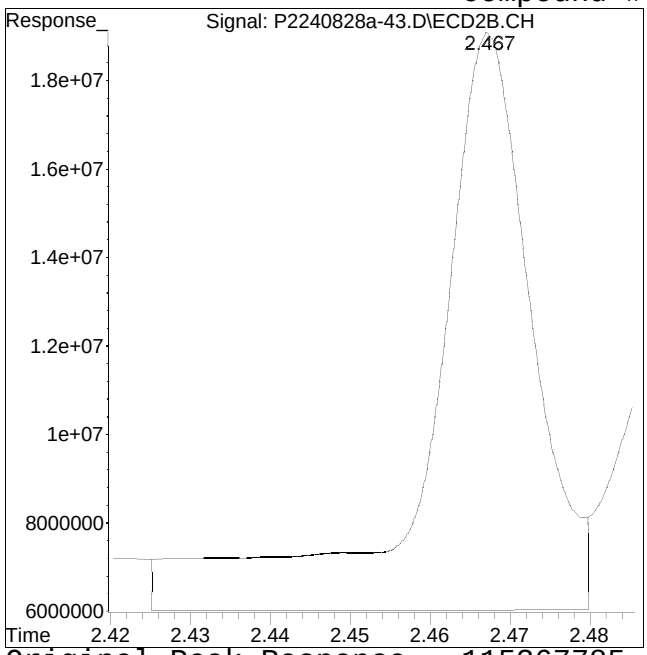


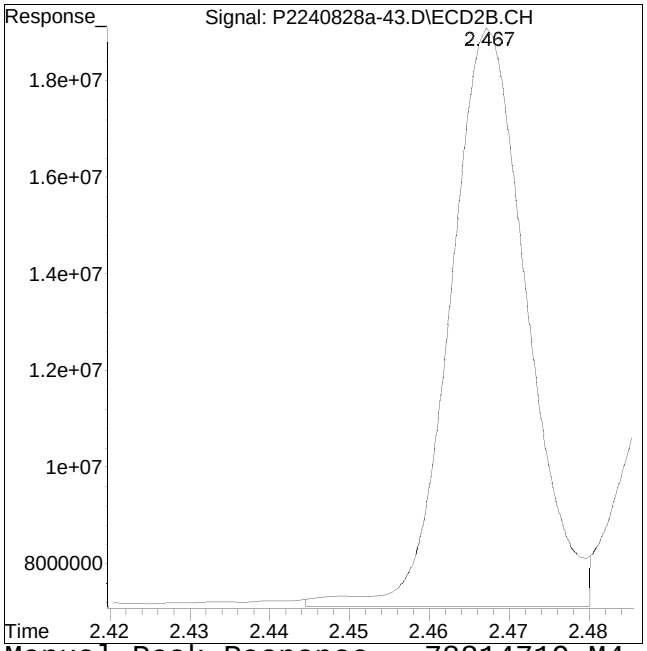
Original Peak Response = 101375055 Manual Peak Response = 96447083 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #59: 1016-5 #2



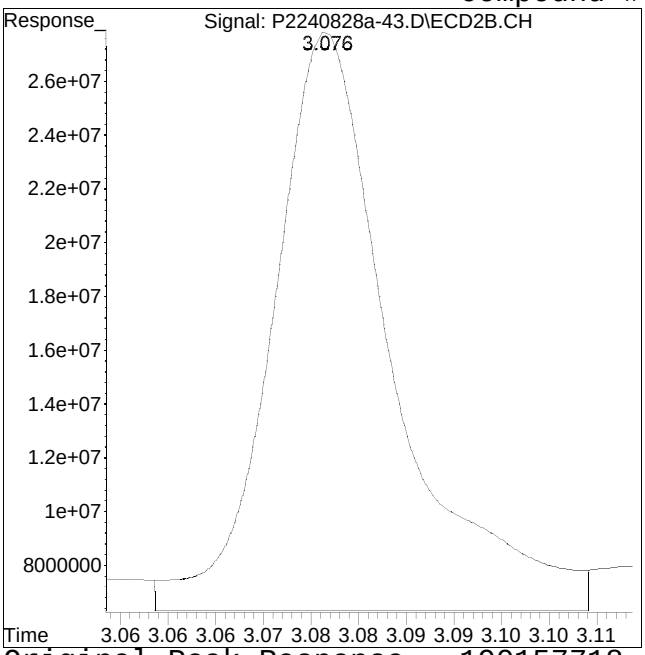


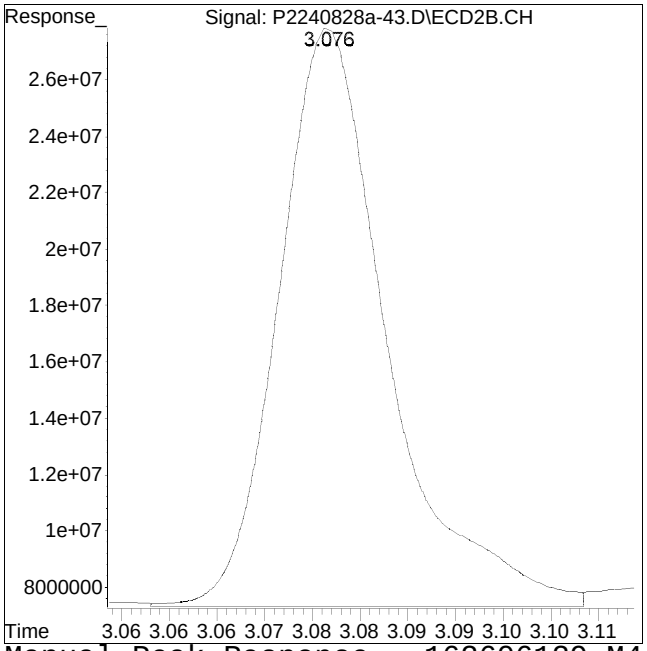
Original Peak Response = 115367785 Manual Peak Response = 78814719 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #60: 1260-1 #2



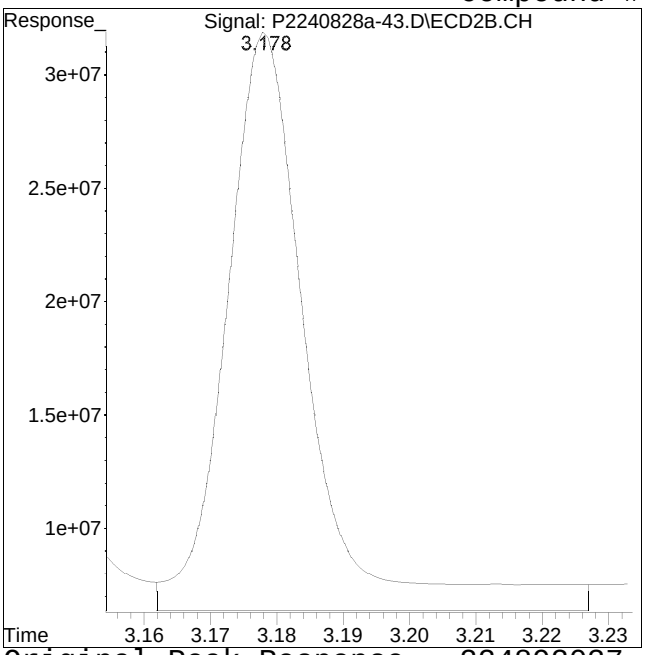


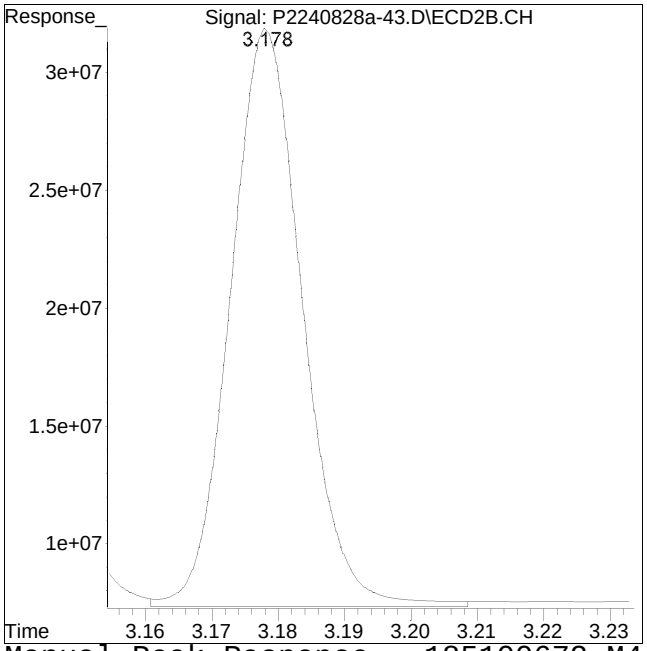
Original Peak Response = 190157718 Manual Peak Response = 162606129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #61: 1260-2 #2



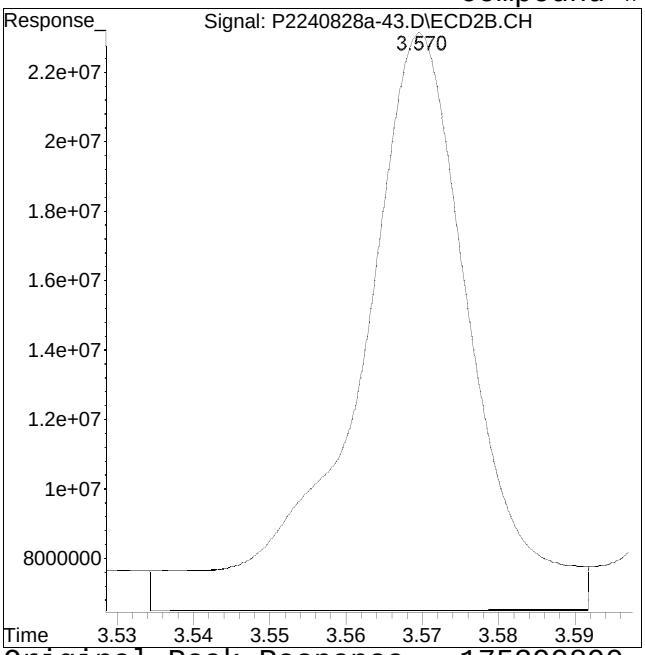


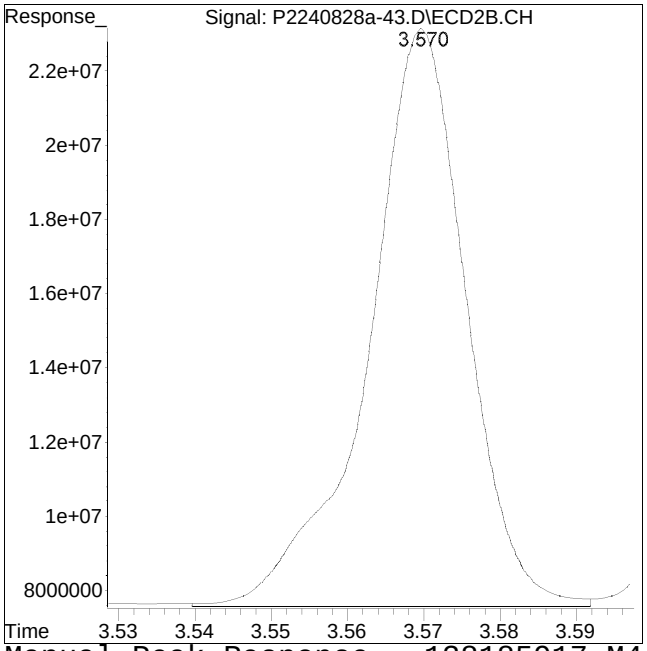
Original Peak Response = 224892037 Manual Peak Response = 185100672 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #62: 1260-3 #2



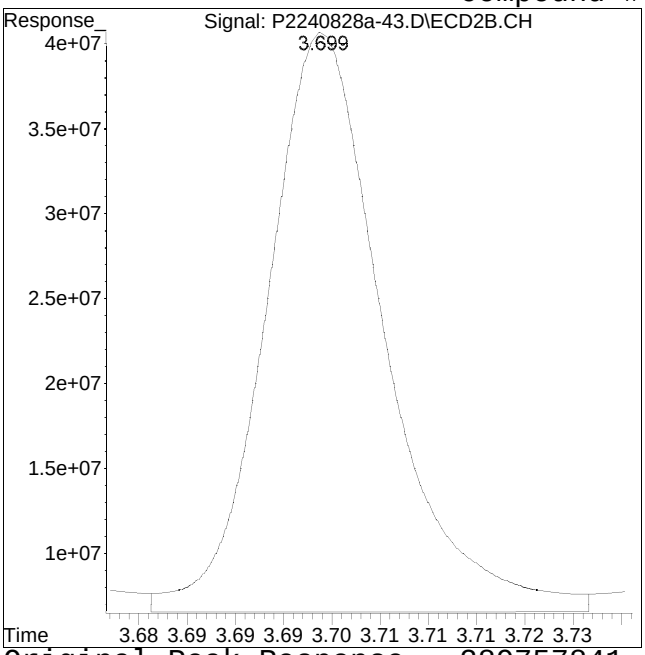


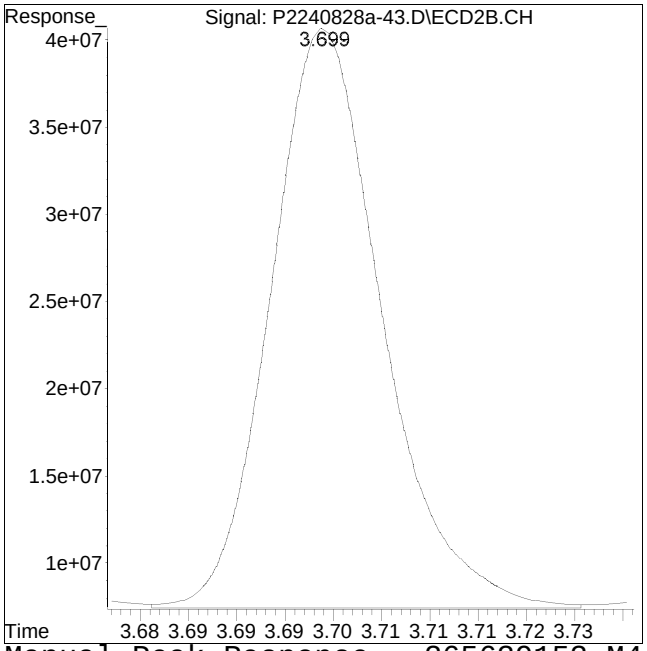
Original Peak Response = 175399890 Manual Peak Response = 138185917 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #63: 1260-4 #2



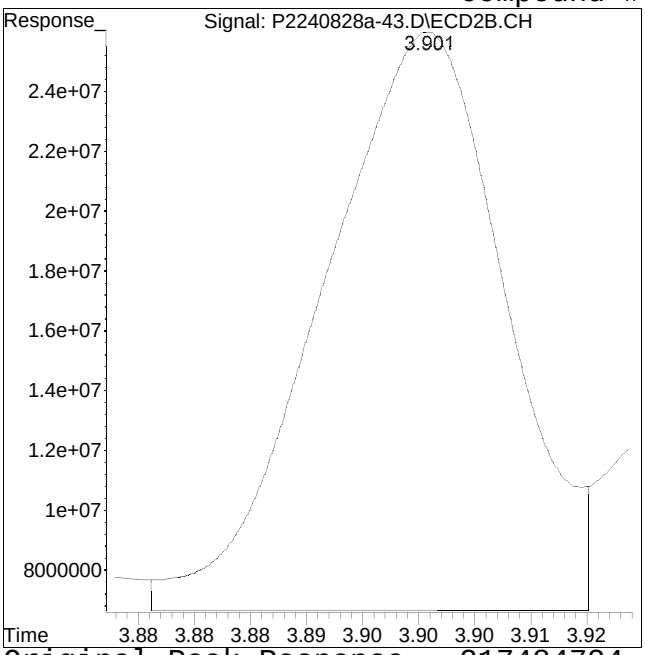


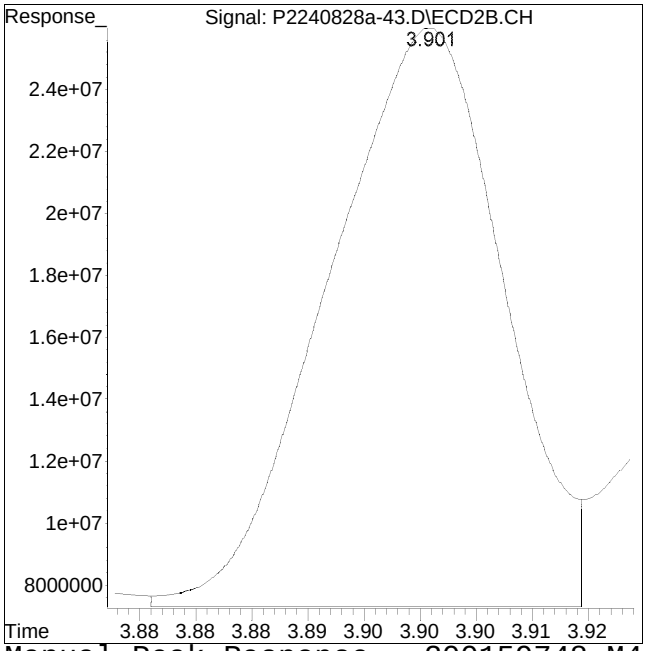
Original Peak Response = 289757841 Manual Peak Response = 265639153 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-43.D Operator : pest2:meo
Date Inj'd : 8/28/2024 14:29 Instrument : Pest 2
Sample : WG1964804-5,42,, +1660 lviQuant Date : 8/28/2024 2:53 pm

Compound #64: 1260-5 #2





Original Peak Response = 217484724 Manual Peak Response = 200159748 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.535	4.7	102	0.00
3	s	Decachlorobiphenyl		1.174	1.039	11.5	96	0.00
4	l1	1016-1		0.029	0.025	13.8	97	0.00
5	l1	1016-2		0.054	0.062	-14.8	115	0.00
6	l1	1016-3		0.124	0.121	2.4	105	0.00
7	l1	1016-4		0.051	0.048	5.9	103	0.00
8	l1	1016-5		0.059	0.049	16.9	99	0.00
9	l2	1260-1		0.077	0.072	6.5	102	0.00
10	l2	1260-2		0.115	0.112	2.6	105	0.00
11	l2	1260-3		0.070	0.058	17.1	86	0.00
12	l2	1260-4		0.150	0.128	14.7	90	0.00
13	l2	1260-5		0.111	0.093	16.2	90	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	85	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.511	1.835	-21.4#	110	0.00
54	s	Decachlorobiphenyl #2		1.009	1.106	-9.6	103	0.00
55	l1	1016-1 #2		0.028	0.030	-7.1	104	0.00
56	l1	1016-2 #2		0.060	0.070	-16.7	107	0.00
57	l1	1016-3 #2		0.120	0.137	-14.2	107	0.00
58	l1	1016-4 #2		0.051	0.056	-9.8	106	0.00
59	l1	1016-5 #2		0.037	0.043	-16.2	107	0.00
60	l2	1260-1 #2		0.068	0.085	-25.0#	108	0.00
61	l2	1260-2 #2		0.088	0.096	-9.1	101	0.00
62	l2	1260-3 #2		0.071	0.074	-4.2	95	0.00
63	l2	1260-4 #2		0.141	0.144	-2.1	94	0.00
64	l2	1260-5 #2		0.104	0.106	-1.9	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample   : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc   : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL21389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2...1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	191.4E6	190.5E6	25.000M4	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	188.1E6	223.7E6	15.259	19.429
	Spiked Amount	20.000	Range 30 - 150		Recovery =	76.30%	97.14%
3) s	Decachlorobi	4.039	4.548	254.7E6	269.8E6	28.325	35.089
	Spiked Amount	20.000	Range 30 - 150		Recovery =	141.63%	175.44%#
	Target Compounds						
4) l1	1016-1	1.612	1.827	48502950	57628840	219.595M3	273.127M4
5) l1	1016-2	1.753	1.997	117.9E6	132.7E6	282.661	289.119M4
6) l1	1016-3	1.941	2.198	231.7E6	261.9E6	245.066M4	285.817M4
7) l1	1016-4	1.996	2.258	91594284	105.9E6	236.660M3	274.590M4
8) l1	1016-5	2.166	2.468	94025867	82064829	206.707M4	292.924M4
	Sum 1016-1			583.8E6	640.3E6	1190.689	1415.577
	Average 1016-1					238.138	283.115
9) l2	1260-1	2.708	3.077	137.4E6	161.9E6	232.879	313.260M3
10) l2	1260-2	2.838	3.178	214.1E6	183.4E6	244.179	272.843M4
11) l2	1260-3	3.153	3.570	111.7E6	141.8E6	207.917M4	260.536M4
12) l2	1260-4	3.308	3.699	244.3E6	275.3E6	212.403	255.881M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2...1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2 1260-5	3.456	3.901	177.2E6	201.4E6	207.884M1	254.093M4
Sum 1260-1			884.6E6	963.8E6	1105.262	1356.612
Average 1260-1					221.052	271.322
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2...1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

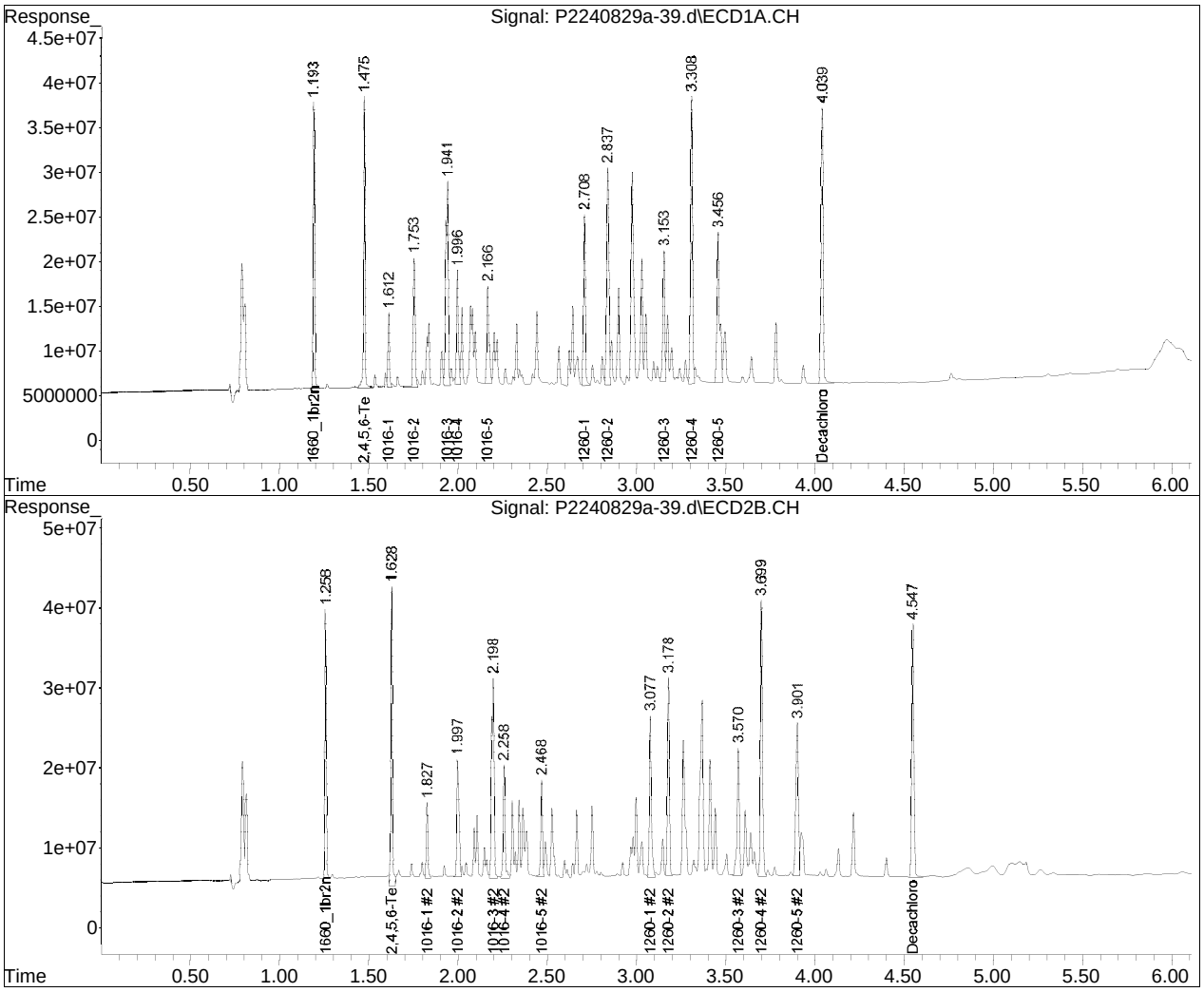
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 15:06
Operator : pest2:mhg
Sample : WG1965377-5,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi ic
Misc : WG1965377,,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 15:20:37 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

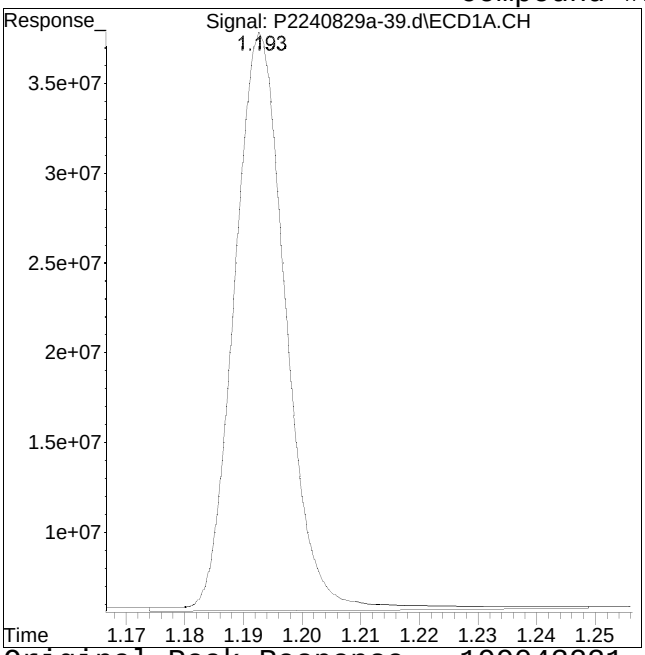
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



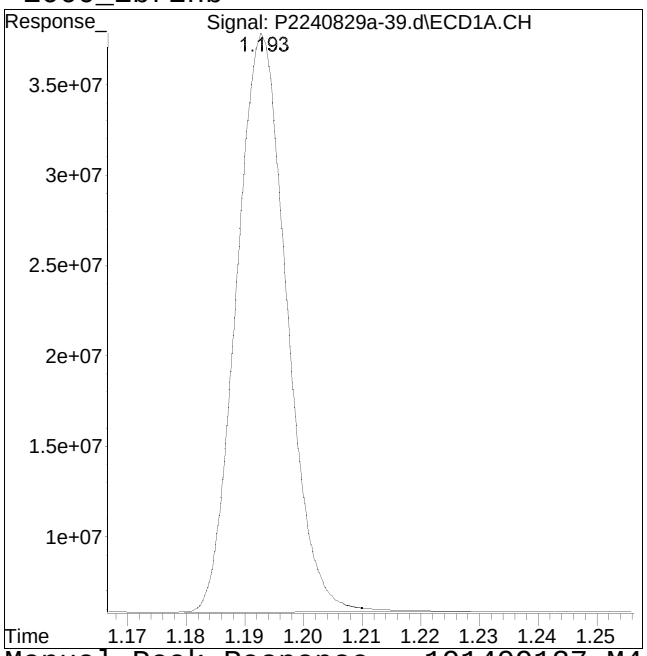
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #1: 1660_1br2nb



Original Peak Response = 199043221



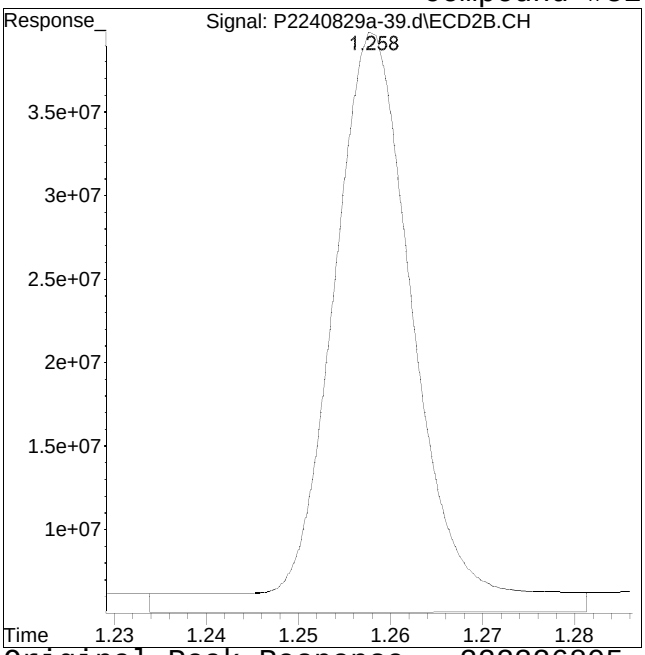
Manual Peak Response = 191409127 M4

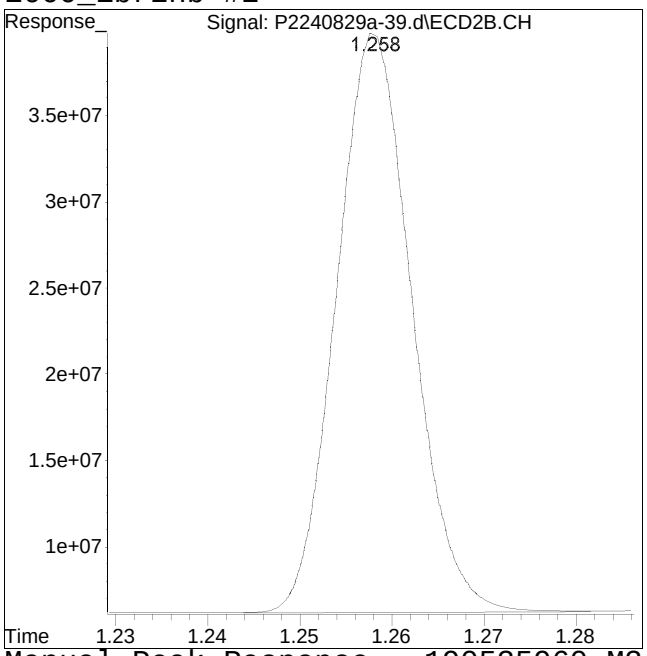
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #52: 1660_1br2nb #2



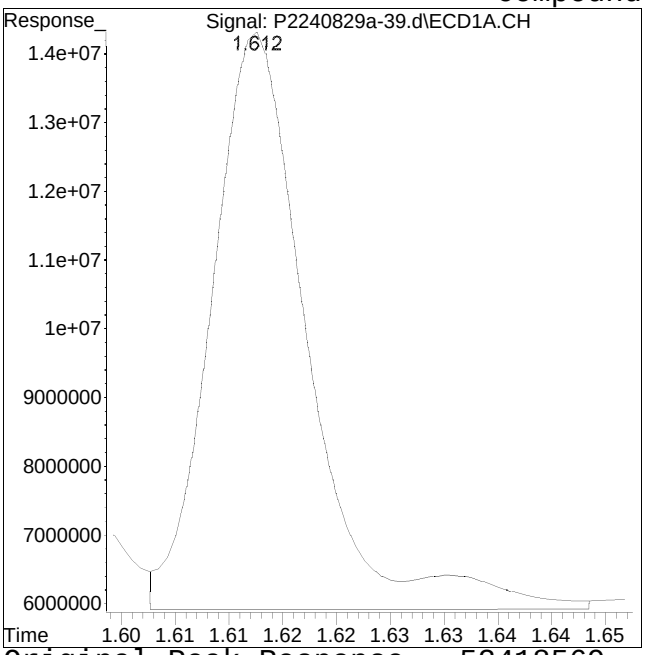


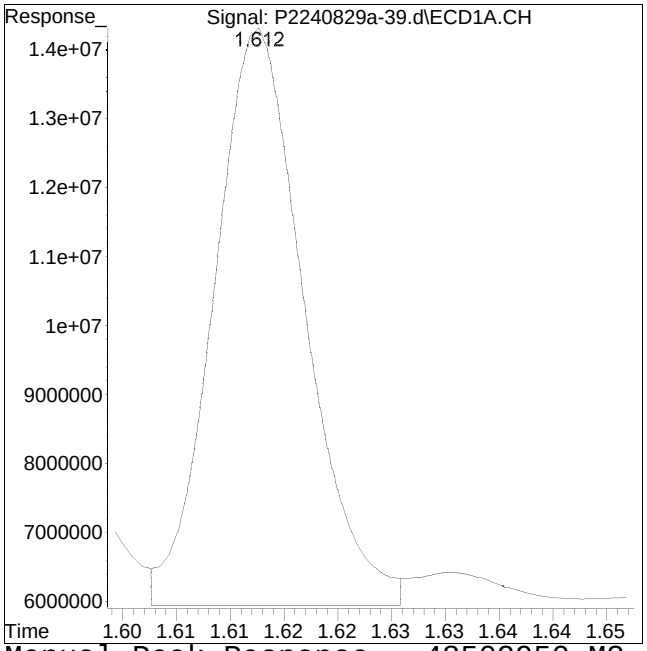
Original Peak Response = 222326805 Manual Peak Response = 190535960 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #4: 1016-1



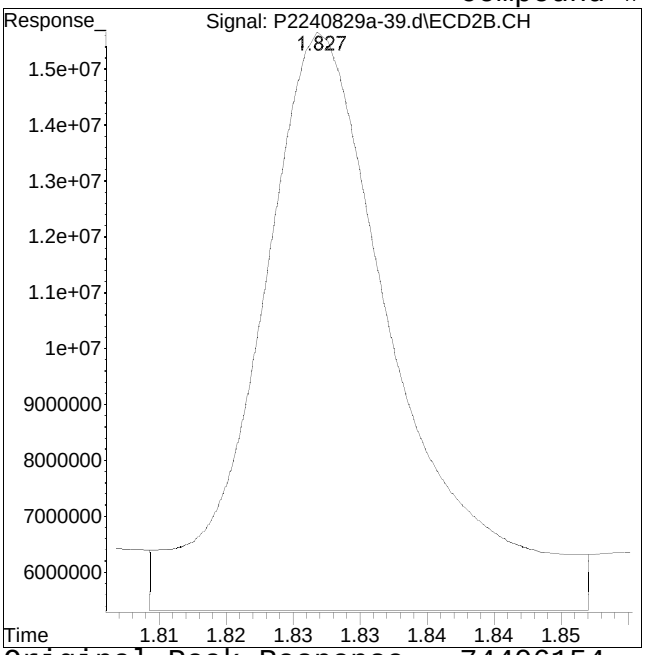


Original Peak Response = 52418569 Manual Peak Response = 48502950 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

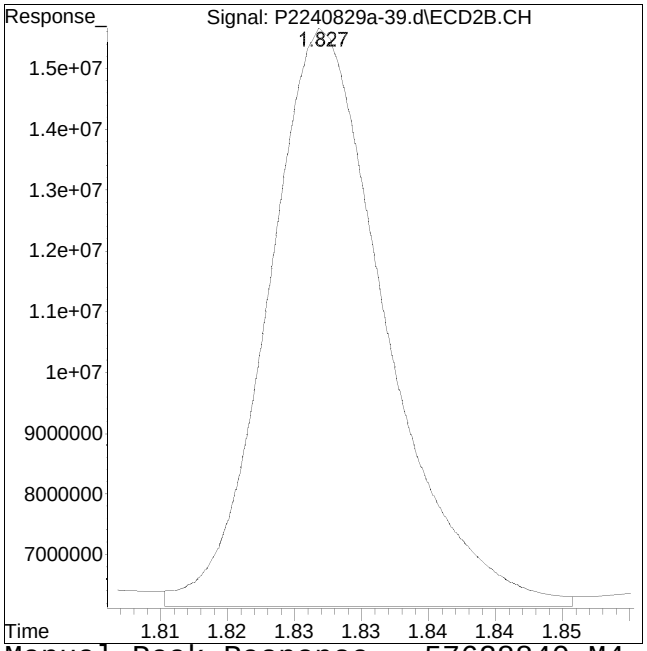
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #55: 1016-1 #2



Original Peak Response = 74406154



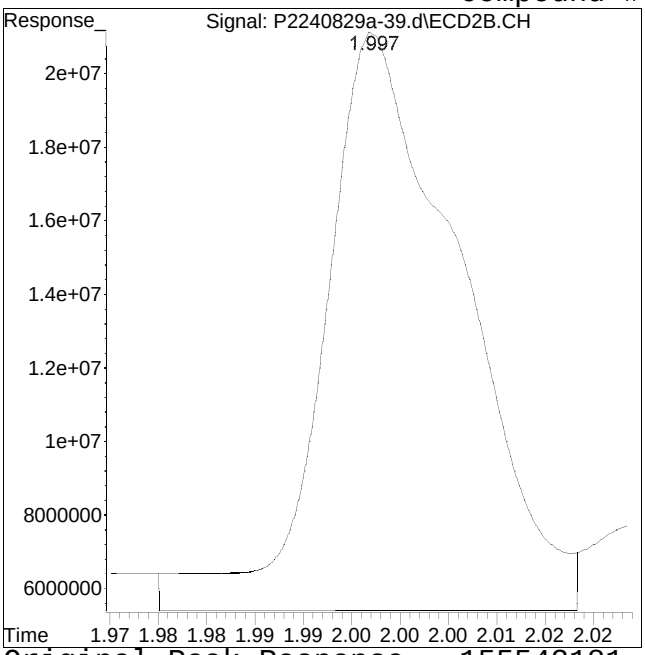
Manual Peak Response = 57628840 M4

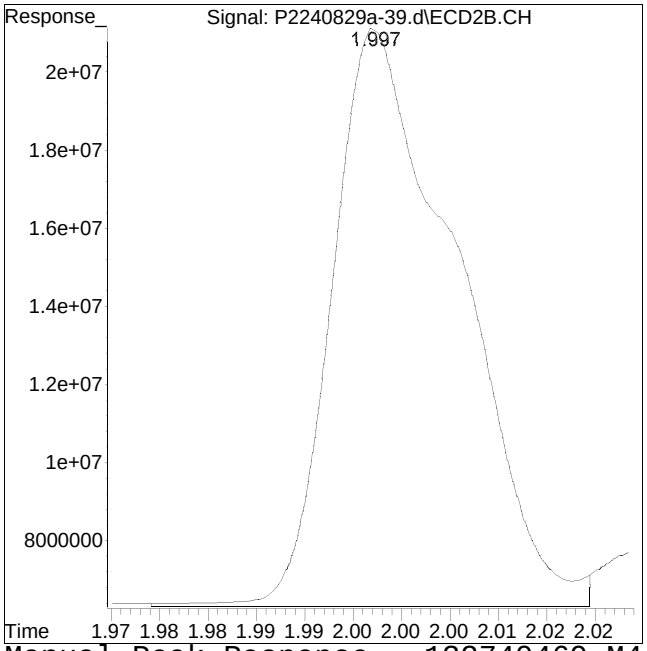
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #56: 1016-2 #2



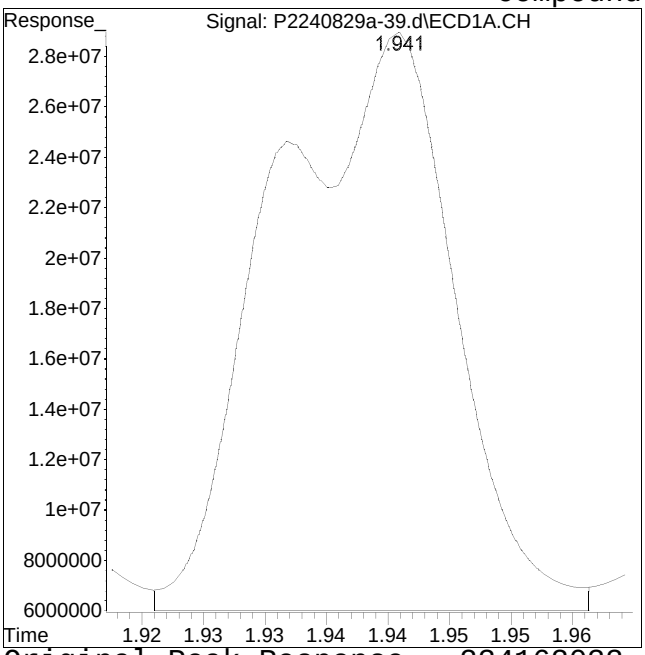


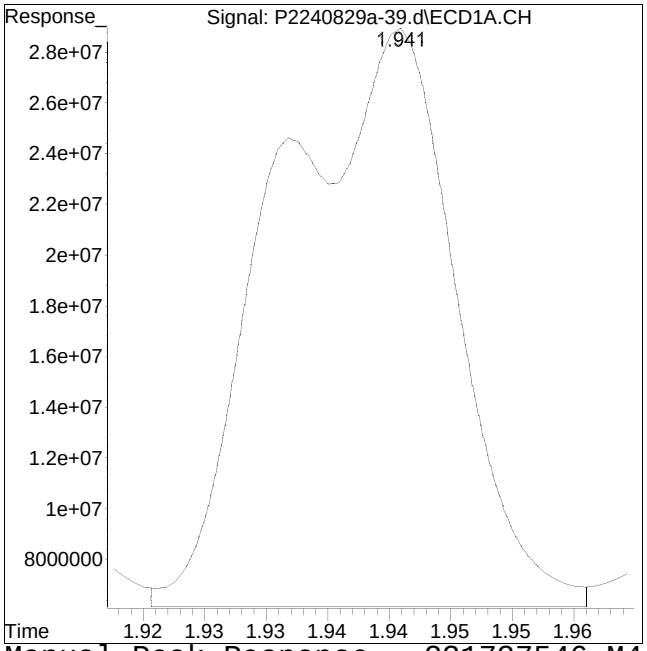
Original Peak Response = 155542181 Manual Peak Response = 132740469 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #6: 1016-3



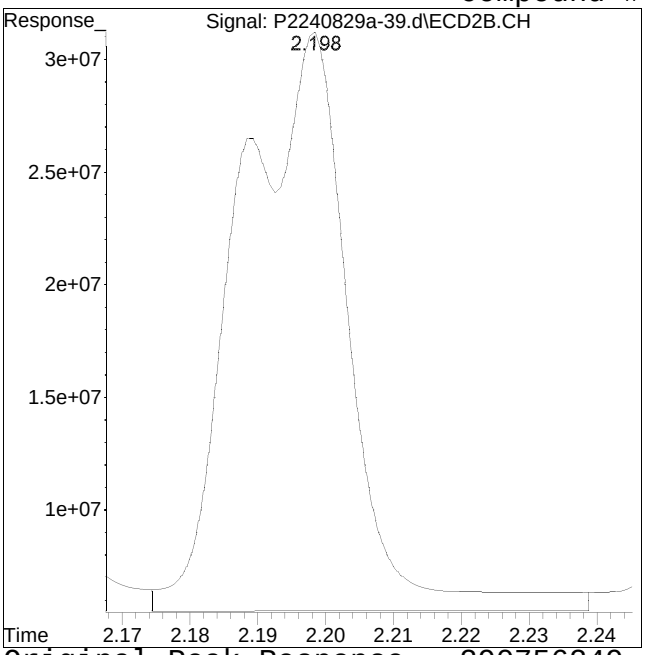


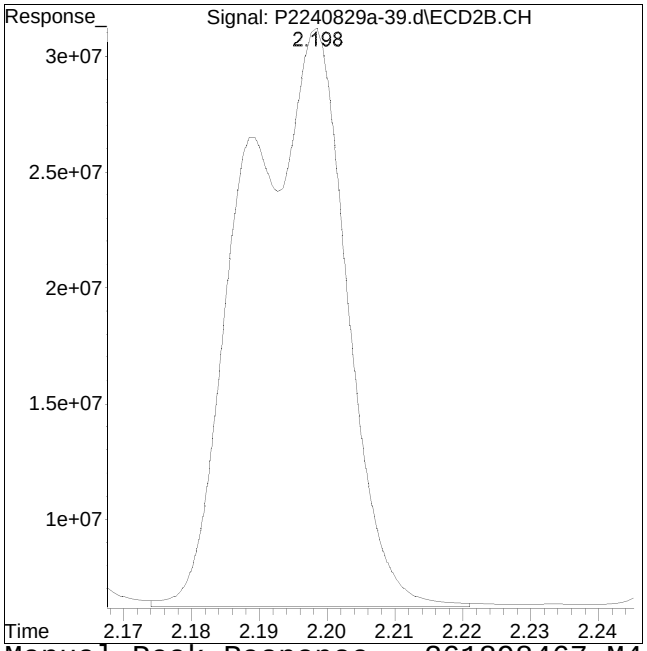
Original Peak Response = 234162033 Manual Peak Response = 231737546 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #57: 1016-3 #2



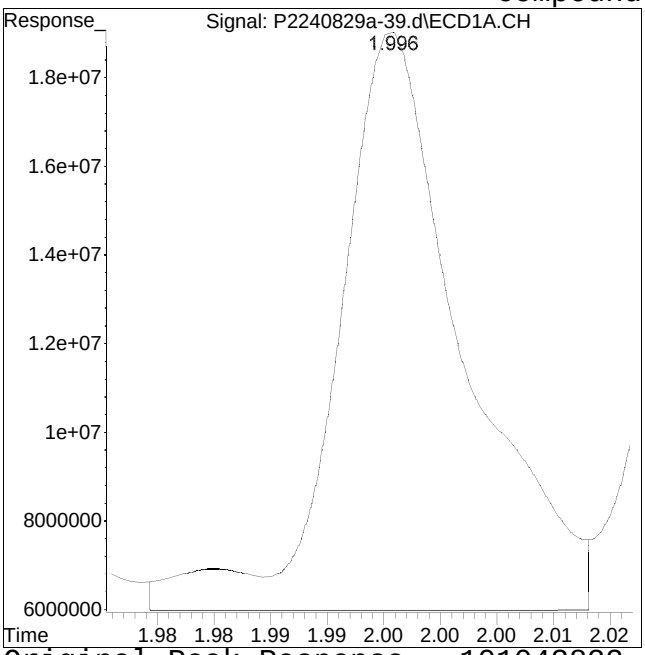


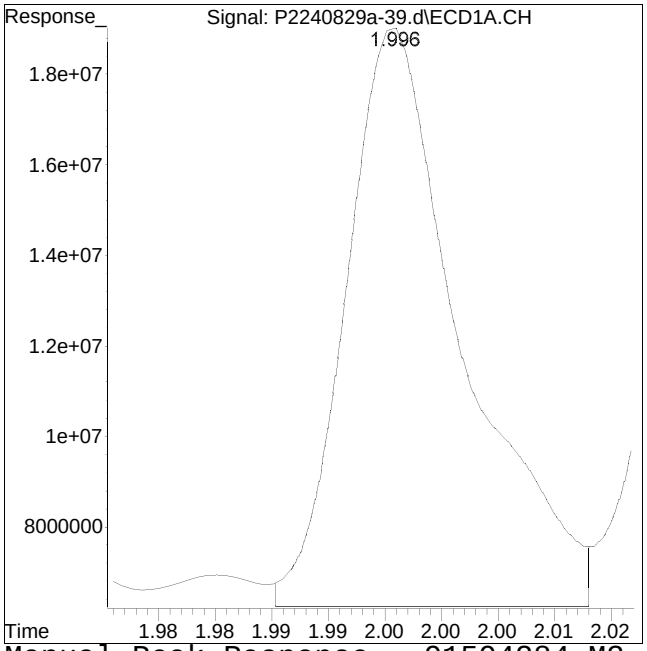
Original Peak Response = 290756249 Manual Peak Response = 261898467 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #7: 1016-4



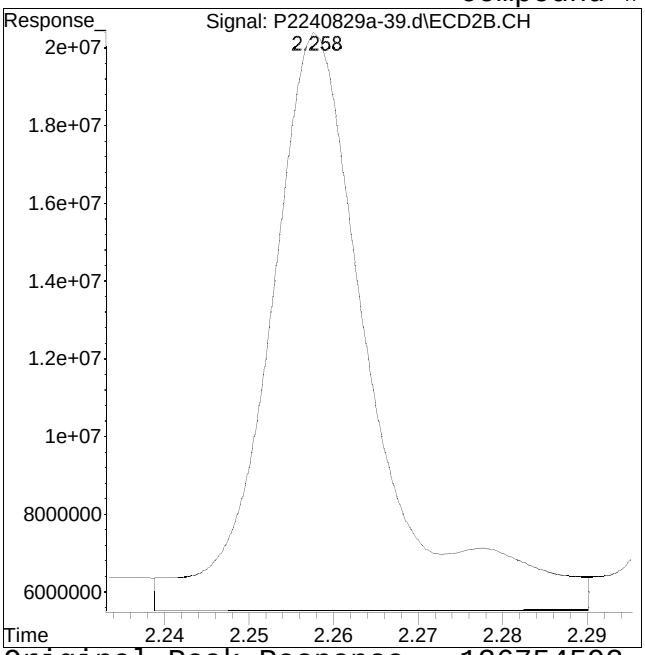


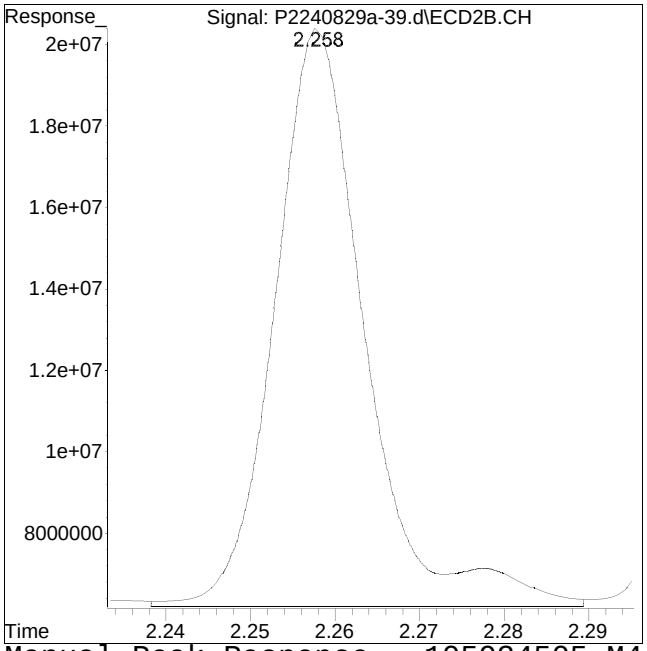
Original Peak Response = 101043822 Manual Peak Response = 91594284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #58: 1016-4 #2



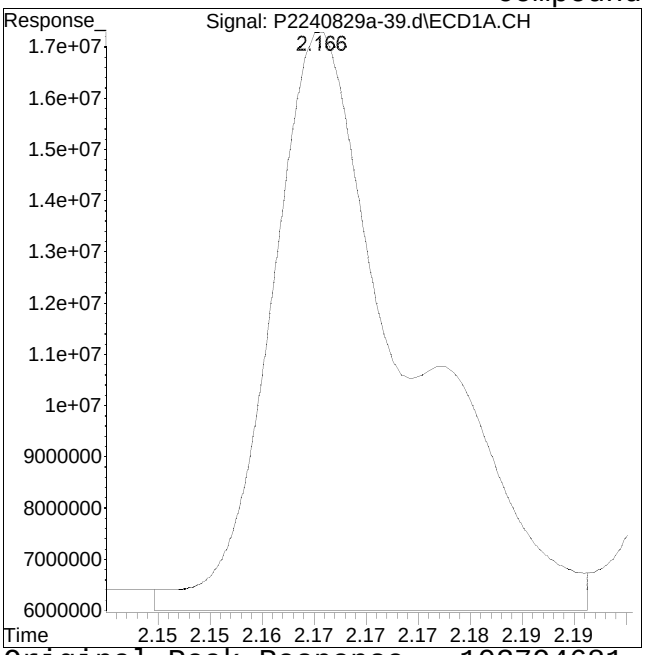


Original Peak Response = 126754592 Manual Peak Response = 105934505 M4
M4 = Poor automated baseline construction.

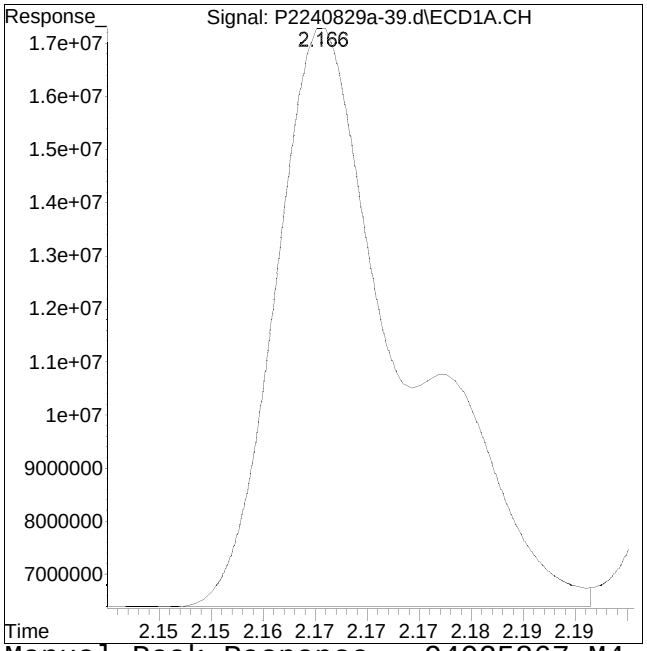
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #8: 1016-5



Original Peak Response = 103794681



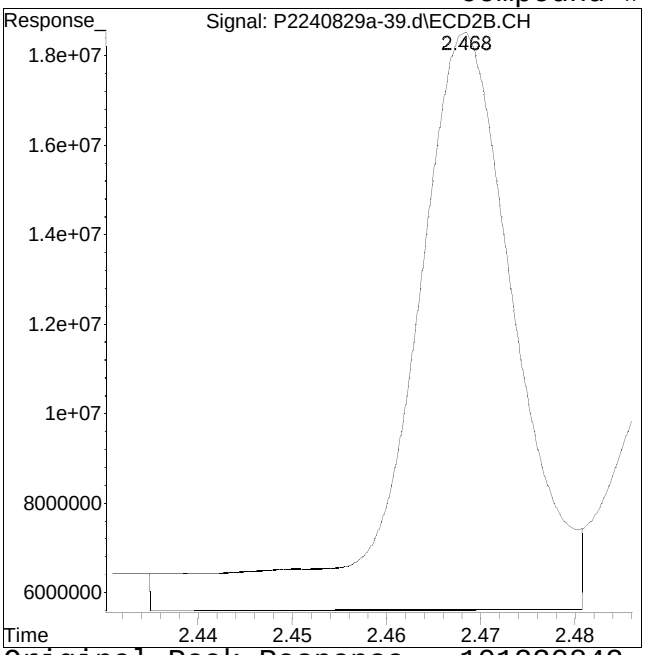
Manual Peak Response = 94025867 M4

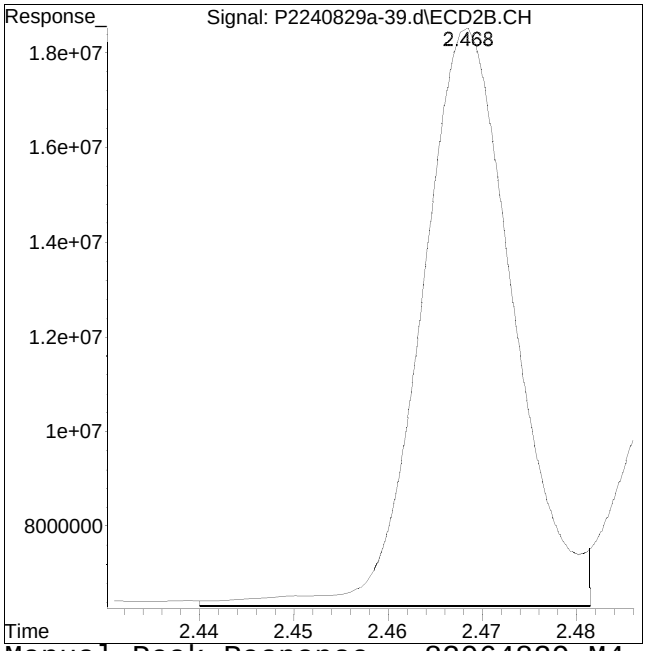
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #59: 1016-5 #2



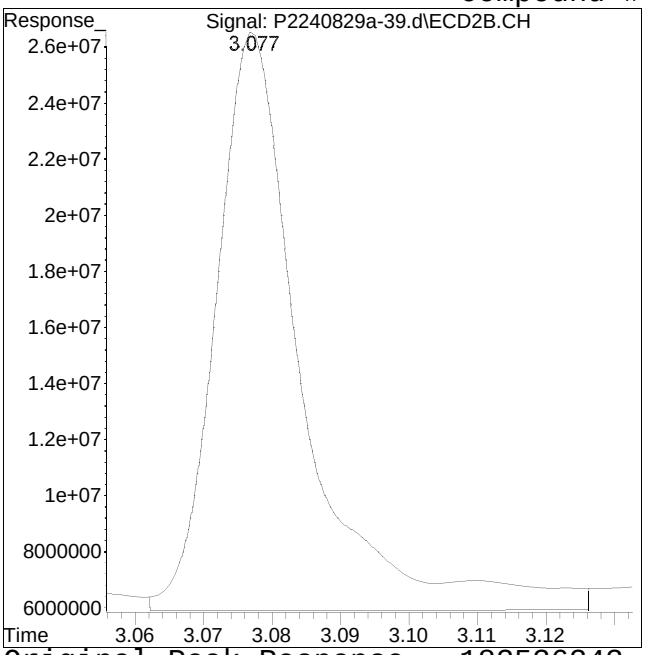


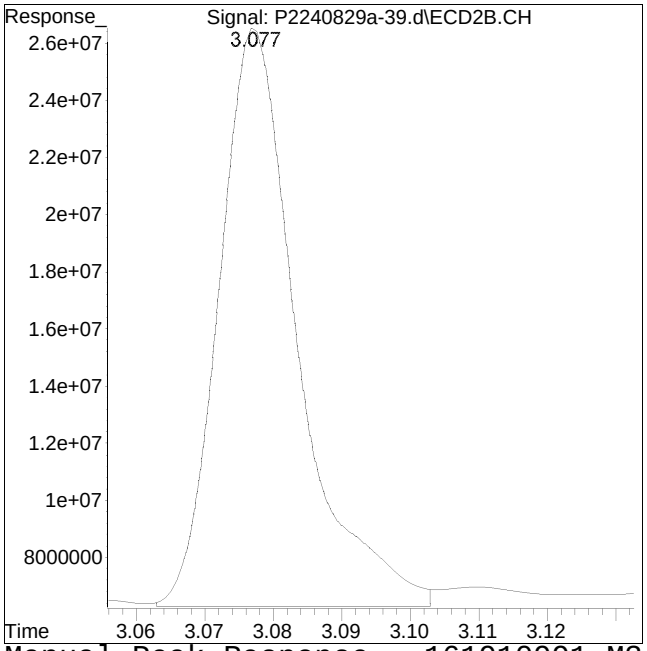
Original Peak Response = 101230842 Manual Peak Response = 82064829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #60: 1260-1 #2



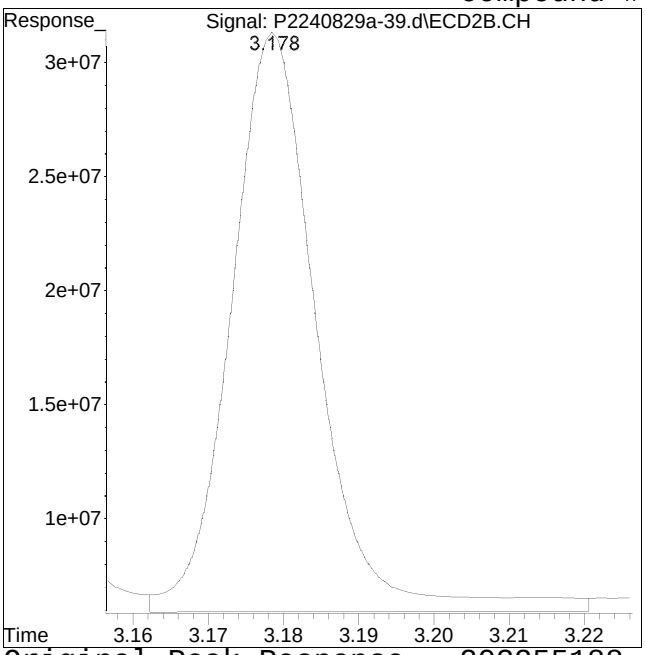


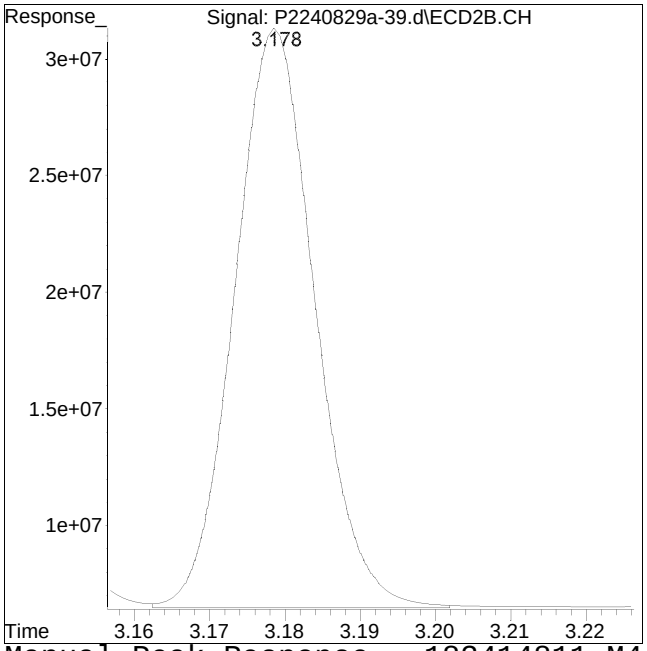
Original Peak Response = 183536343 Manual Peak Response = 161910991 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #61: 1260-2 #2



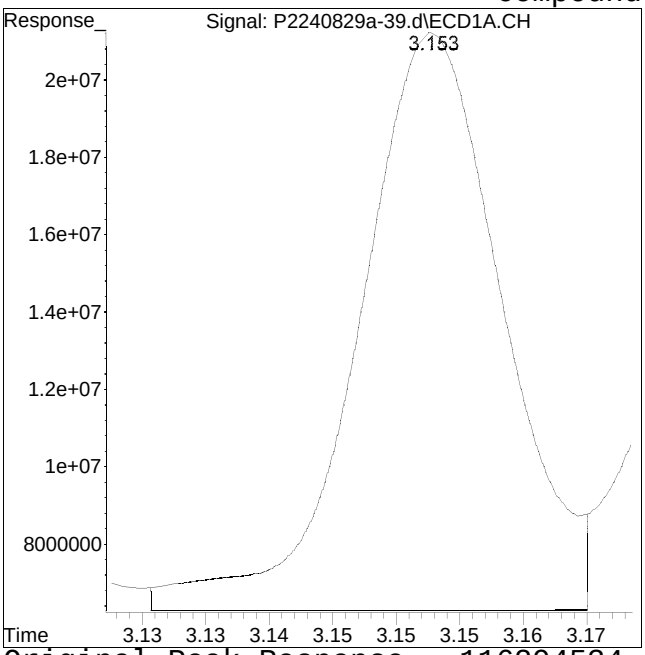


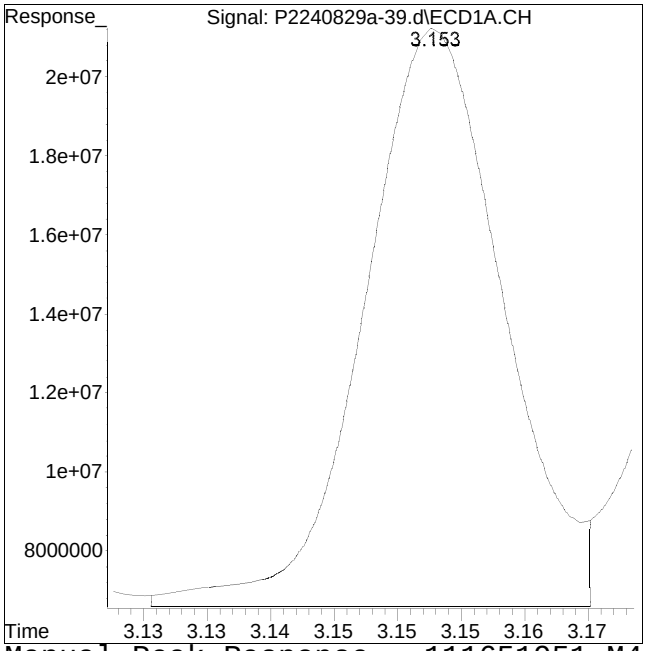
Original Peak Response = 203255188 Manual Peak Response = 183414811 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #11: 1260-3



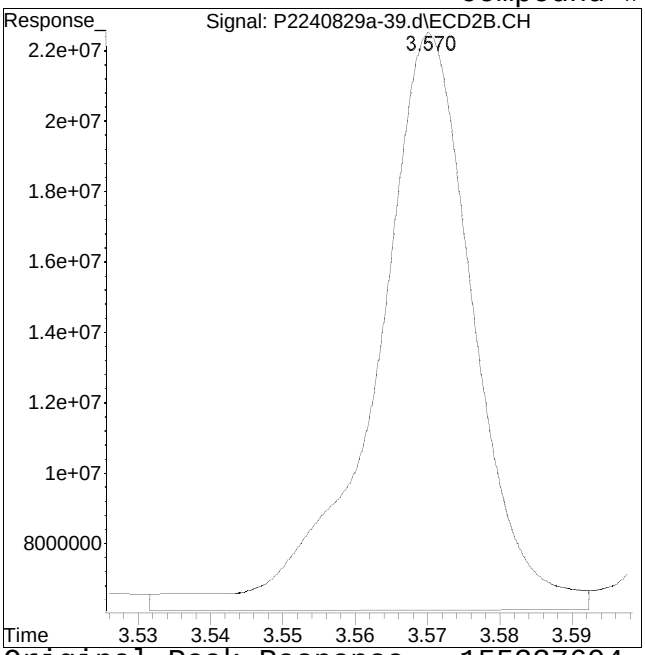


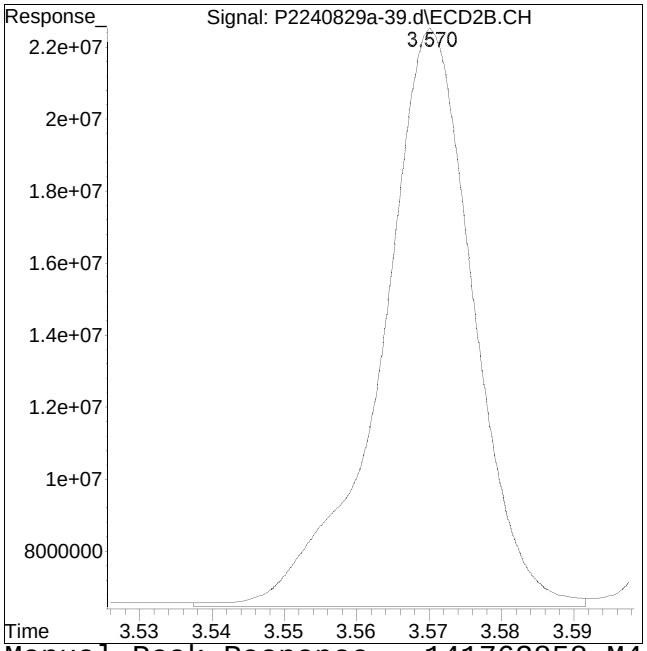
Original Peak Response = 116294534 Manual Peak Response = 111651951 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #62: 1260-3 #2



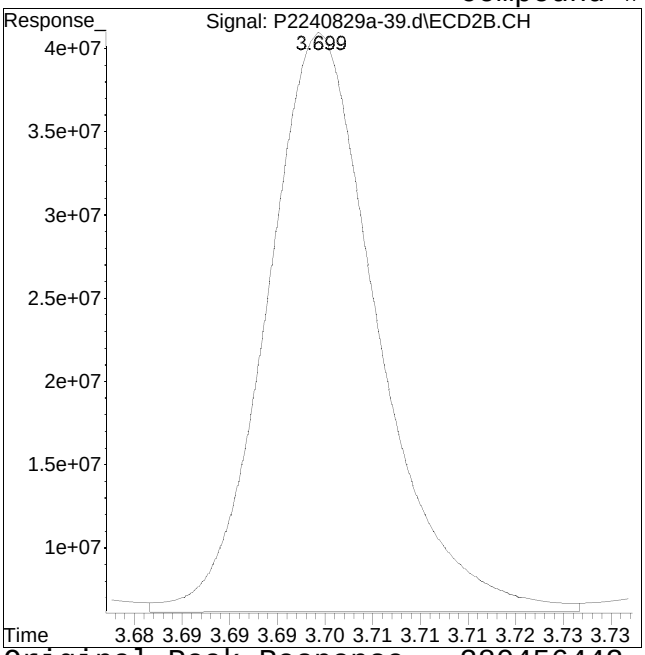


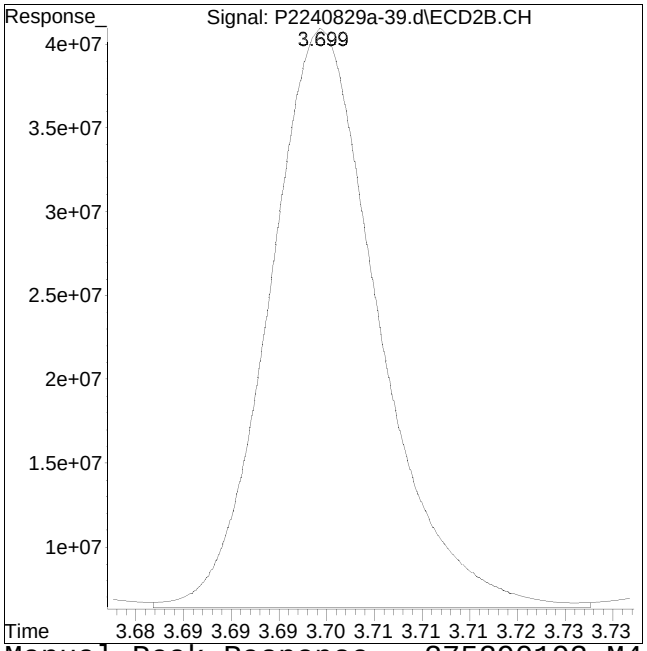
Original Peak Response = 155337604 Manual Peak Response = 141763858 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #63: 1260-4 #2



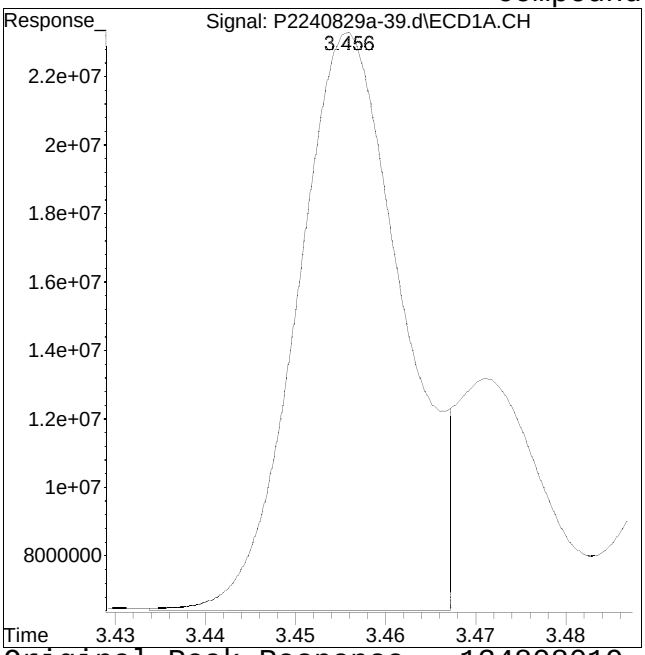


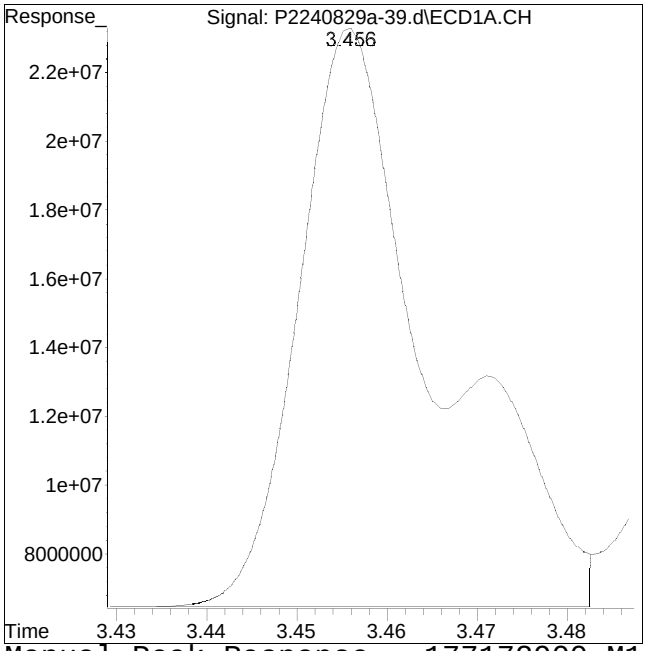
Original Peak Response = 280456442 Manual Peak Response = 275290193 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #13: 1260-5



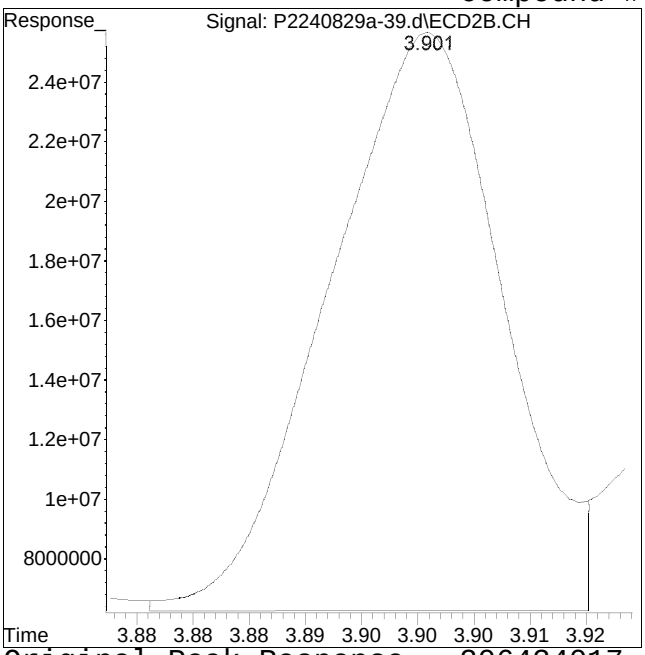


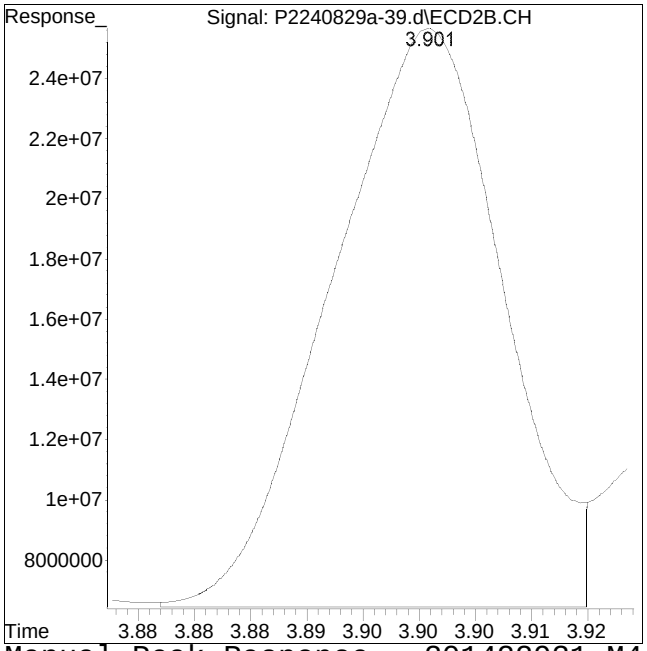
Original Peak Response = 134808019 Manual Peak Response = 177172900 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-39.d Operator : pest2:mhg
Date Inj'd : 8/29/2024 15:06 Instrument : Pest 2
Sample : WG1965377-5,42,, +1660 lviQuant Date : 8/29/2024 3:20 pm

Compound #64: 1260-5 #2





Original Peak Response = 206434017 Manual Peak Response = 201422931 M4
M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:22
Operator : pest2:meo
Sample : WG1964696-1,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:14 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	139.5E6	170.6E6	25.000	25.000
	Standard Area 1 : #1 = 156750921				Recovery =		89.01%
	Standard Area 1 : #2 = 194925277				Recovery =		87.52%
14) i	2154_1br2nb	1.193	1.258	139.5E6	170.6E6	25.000	25.000
23) i	4268_1br2nb	1.193	1.258	139.5E6	170.6E6	25.000	25.000
34) i	1248_1br2nb	1.193	1.258	139.5E6	170.6E6	25.000	25.000
40) i	3262_1br2nb	1.193	1.258	139.5E6	170.6E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.629	202.2E6	216.7E6	22.501	21.020
	Spiked Amount 20.000	Range 30 - 150			Recovery =	112.51%	105.10%
3) s	Decachlorobi	4.042	4.554	138.6E6	138.0E6	21.152M4	20.052
	Spiked Amount 20.000	Range 30 - 150			Recovery =	105.76%	100.26%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.711	3.080	898408	1960853	2.089M4	4.237M4
10) l2	1260-2	2.840	3.181	1937589	1953454	3.032M4	3.245M4
11) l2	1260-3	3.155	3.573	929148	1099213	2.374M4	2.256M4
12) l2	1260-4	3.311	3.702	2148397	1976502	2.562M4	2.052
13) l2	1260-5	3.458	3.905	2621895	1948719	4.220M4	2.746M4
	Sum 1260-1			8535437	8938741	14.277	14.536
	Average 1260-1					2.855	2.907

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:22
Operator : pest2:meo
Sample : WG1964696-1,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:14 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:22
Operator : pest2:meo
Sample : WG1964696-1,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:14 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

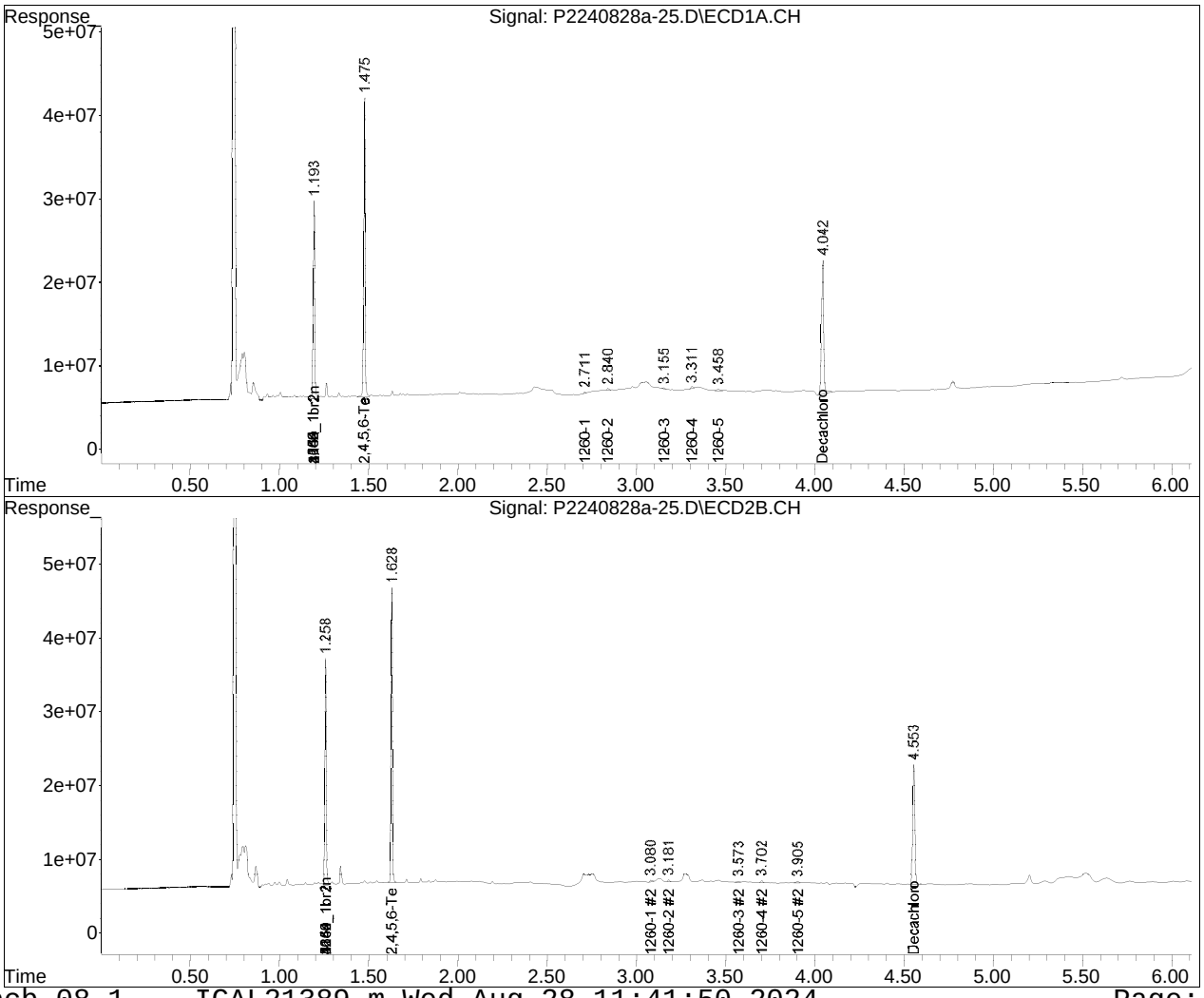
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240828a-05.D•

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:22
Operator : pest2:meo
Sample : WG1964696-1,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:14 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

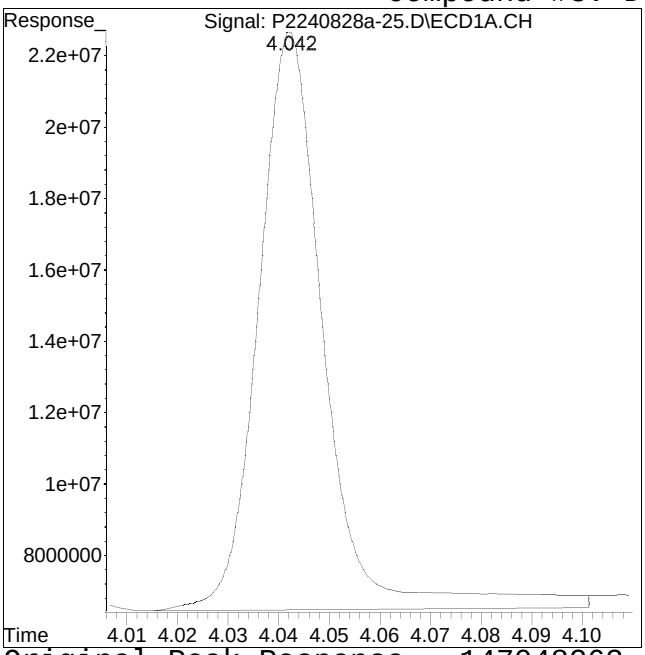
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



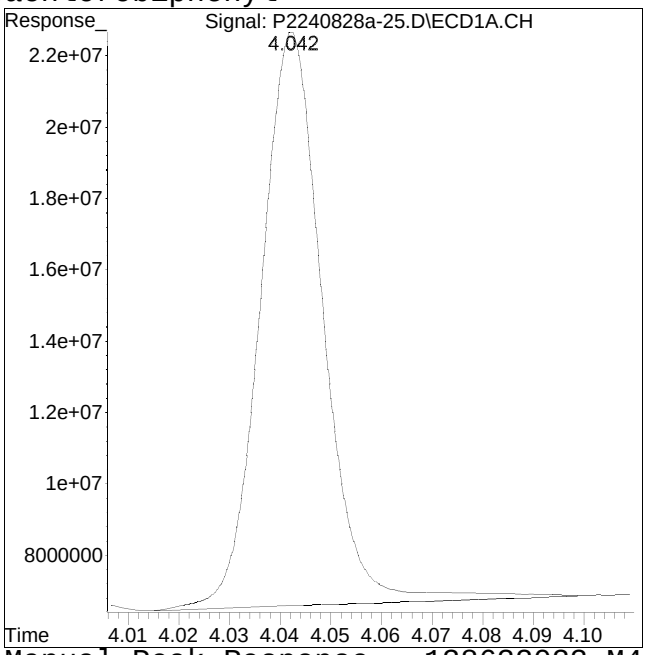
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 147048263



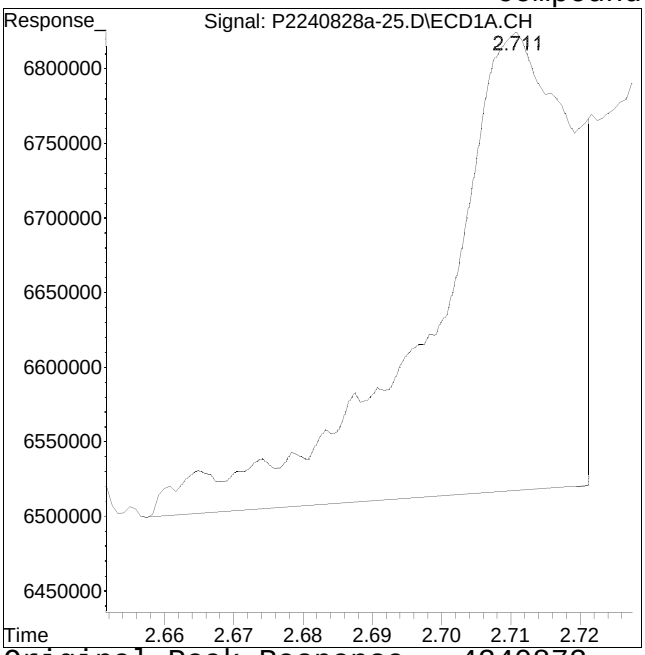
Manual Peak Response = 138632023 M4

M4 = Poor automated baseline construction.

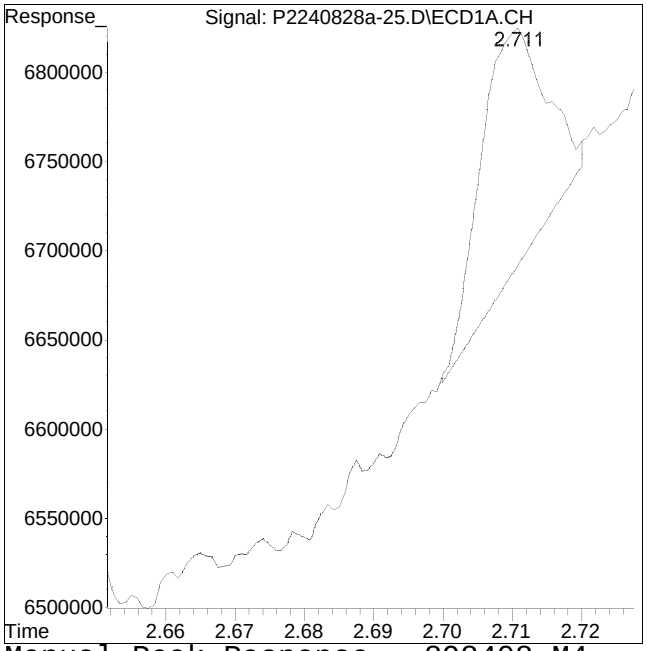
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #9: 1260-1



Original Peak Response = 4240873



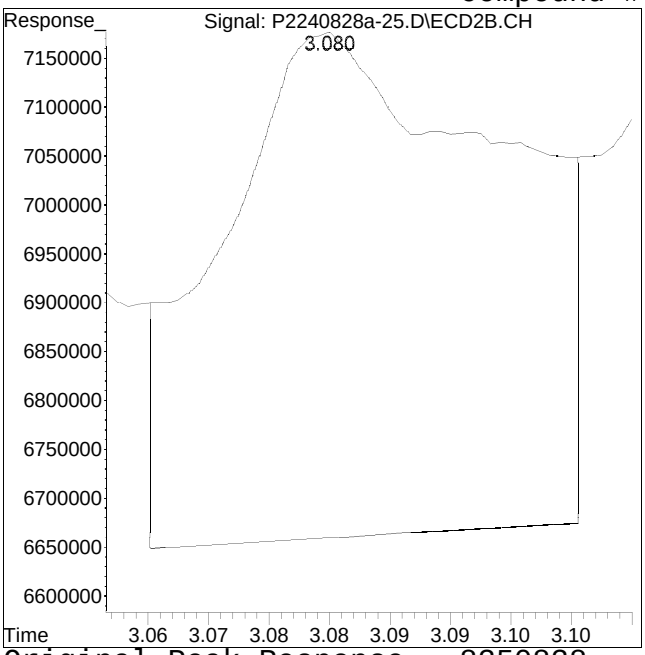
Manual Peak Response = 898408 M4

M4 = Poor automated baseline construction.

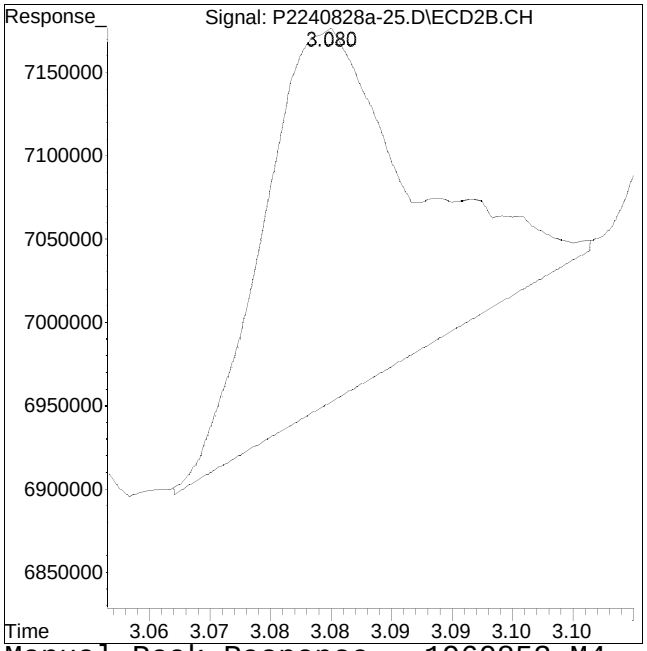
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #60: 1260-1 #2



Original Peak Response = 8350838



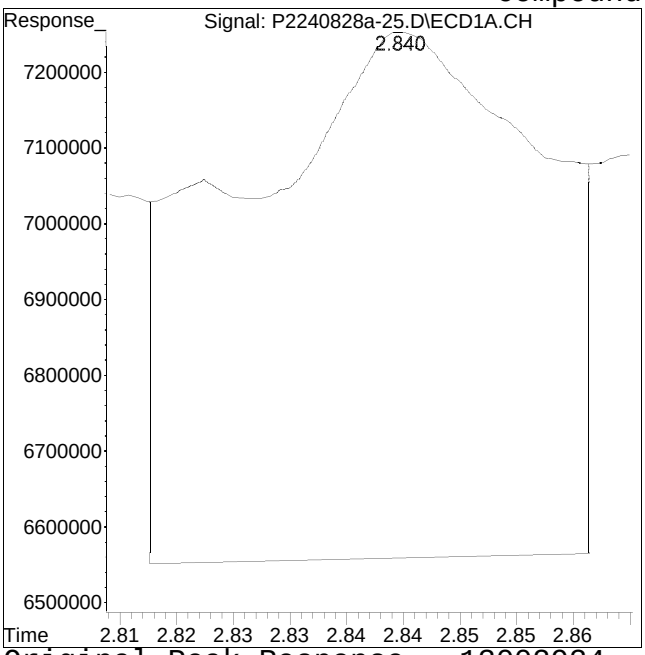
Manual Peak Response = 1960853 M4

M4 = Poor automated baseline construction.

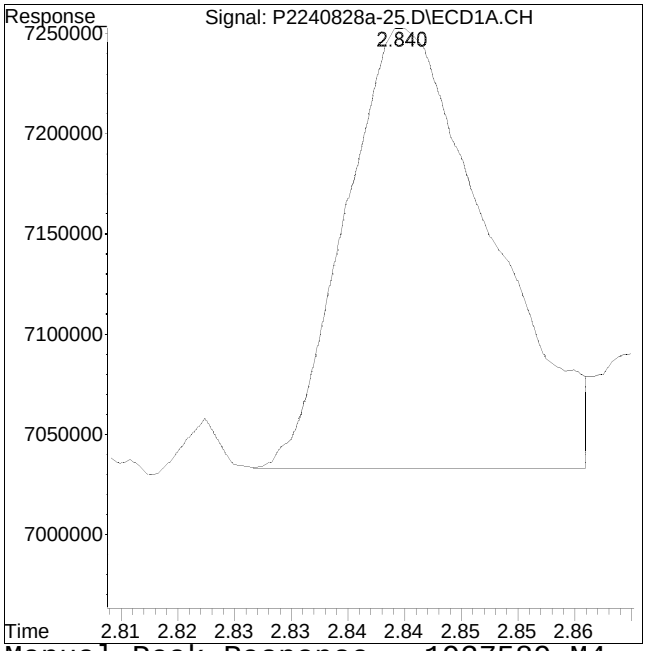
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #10: 1260-2



Original Peak Response = 13002934



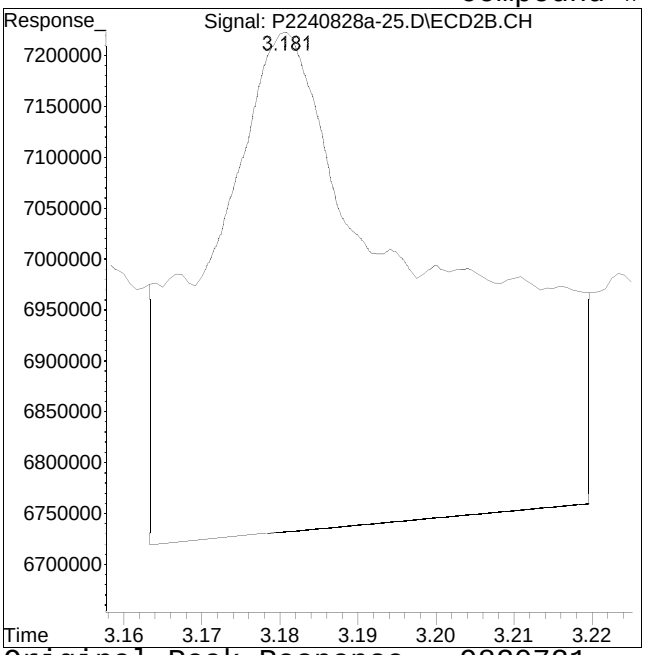
Manual Peak Response = 1937589 M4

M4 = Poor automated baseline construction.

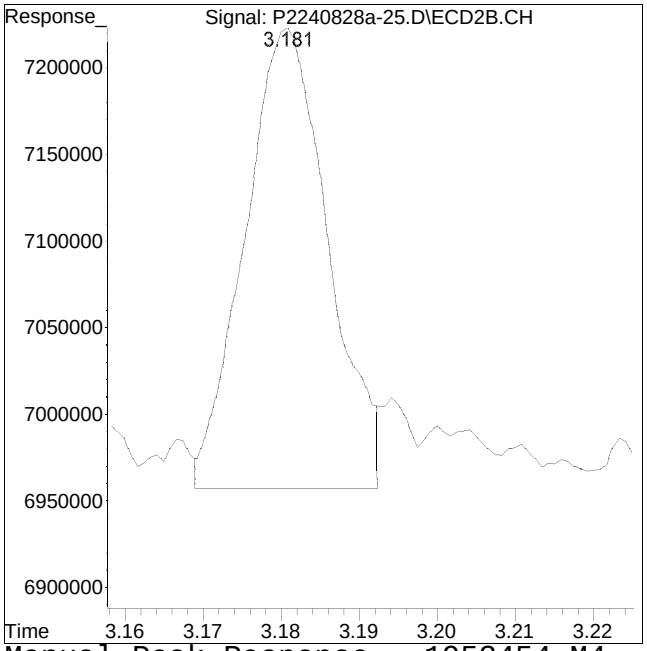
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #61: 1260-2 #2



Original Peak Response = 9820721



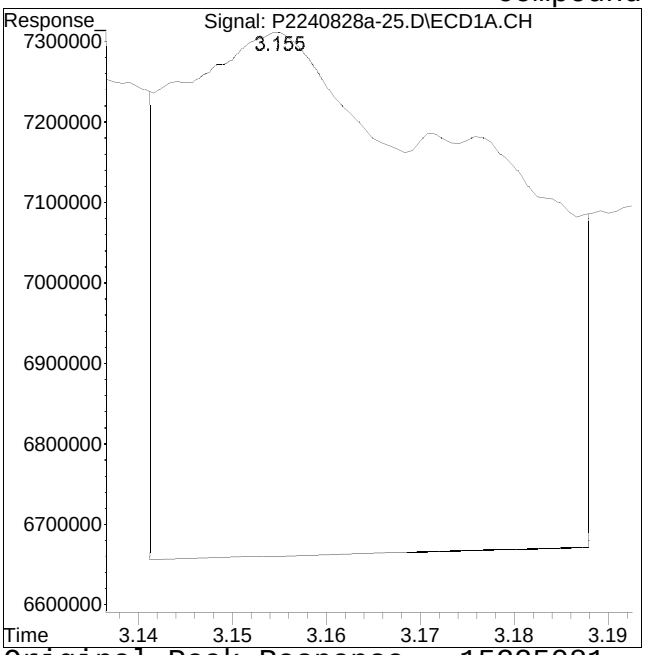
Manual Peak Response = 1953454 M4

M4 = Poor automated baseline construction.

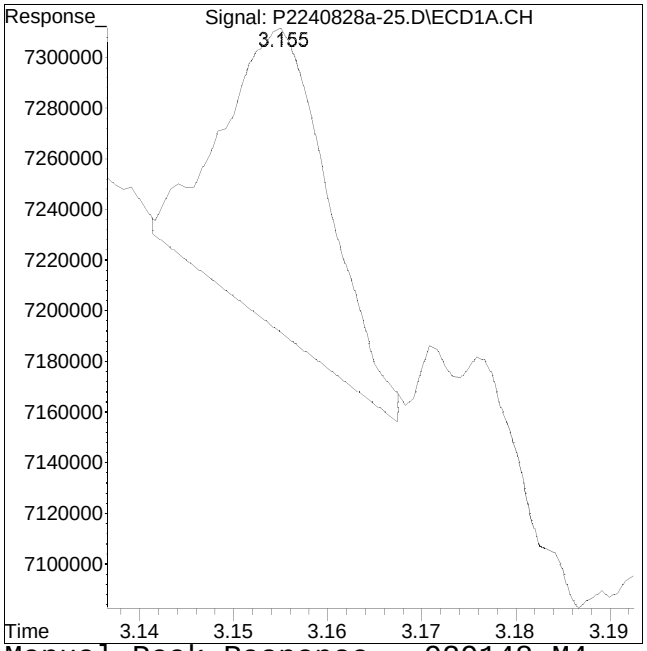
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #11: 1260-3



Original Peak Response = 15225081



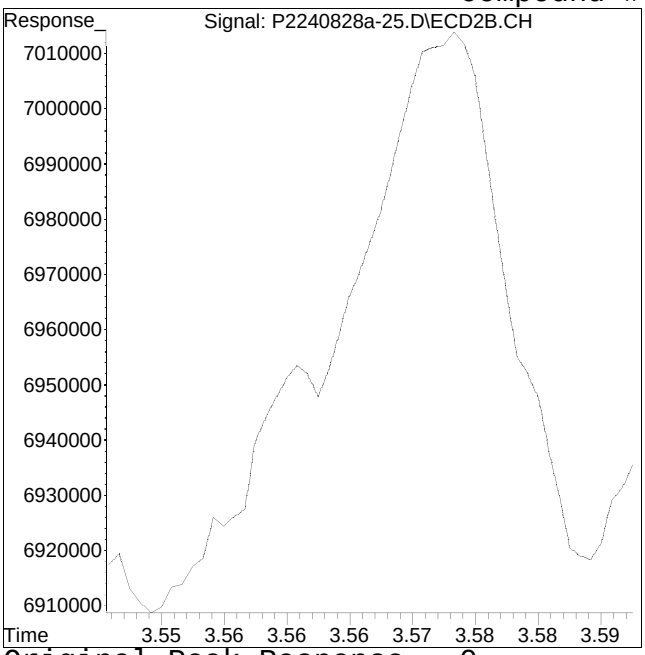
Manual Peak Response = 929148 M4

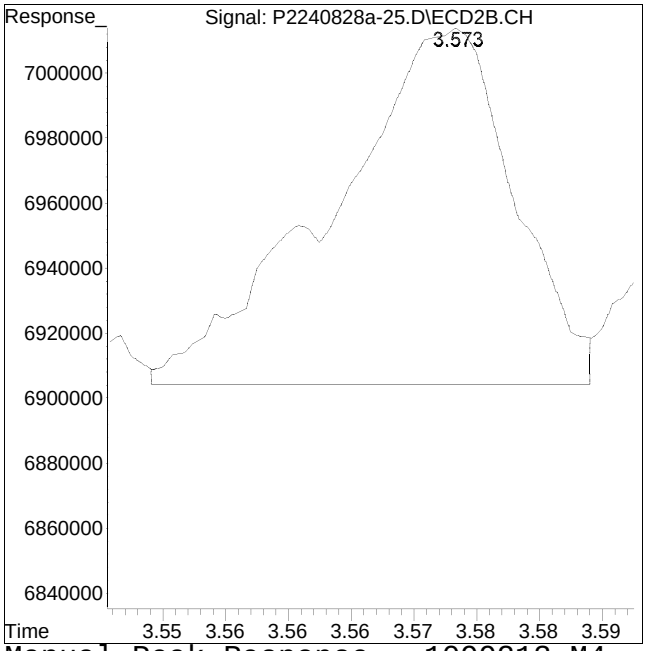
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #62: 1260-3 #2



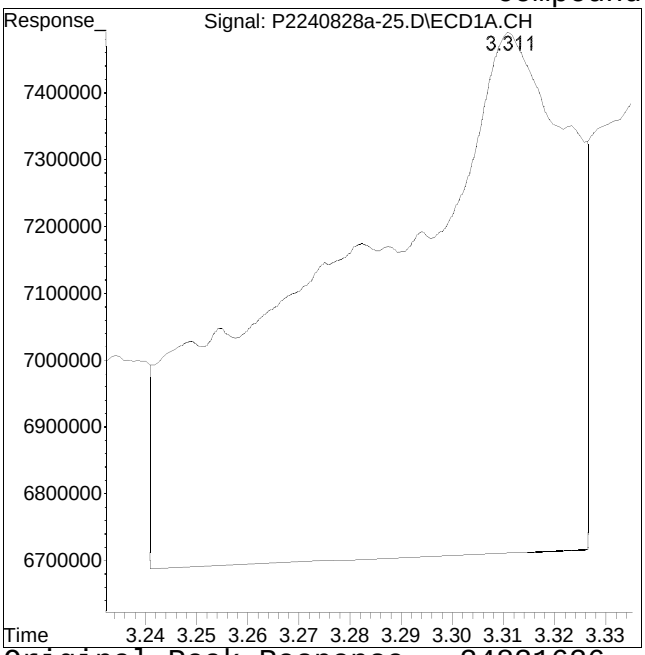


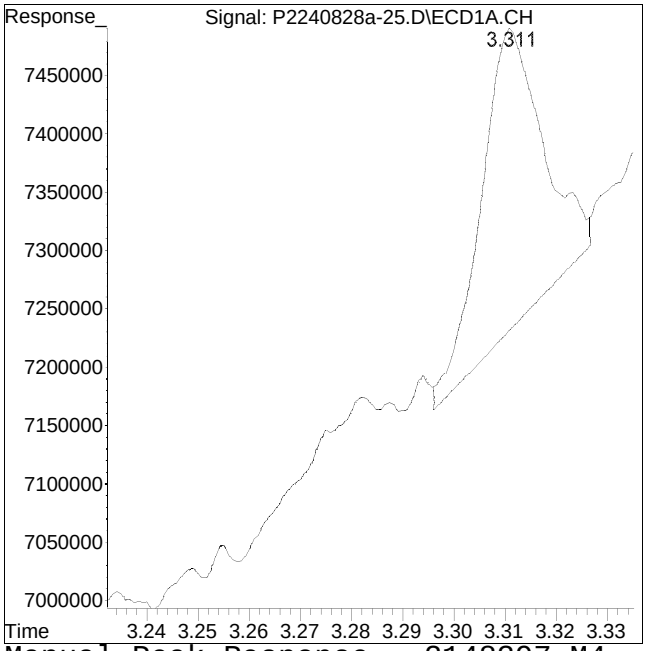
Original Peak Response = 0 Manual Peak Response = 1099213 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #12: 1260-4



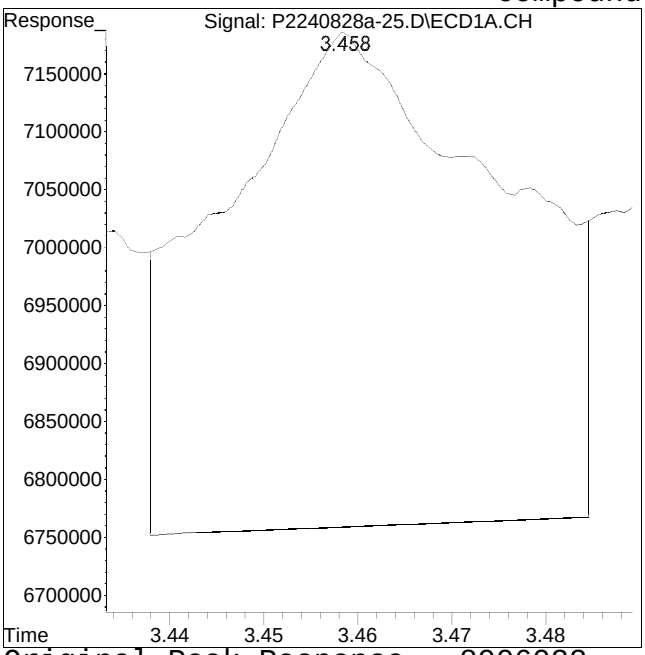


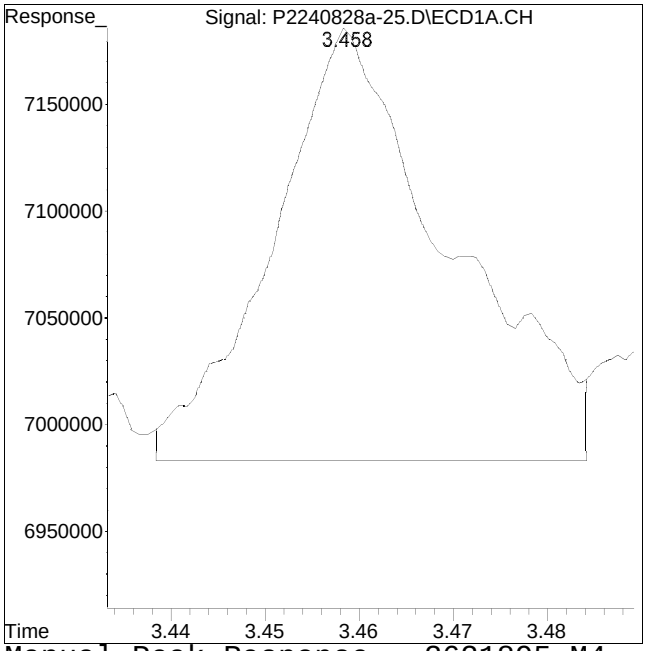
Original Peak Response = 24831636 Manual Peak Response = 2148397 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #13: 1260-5



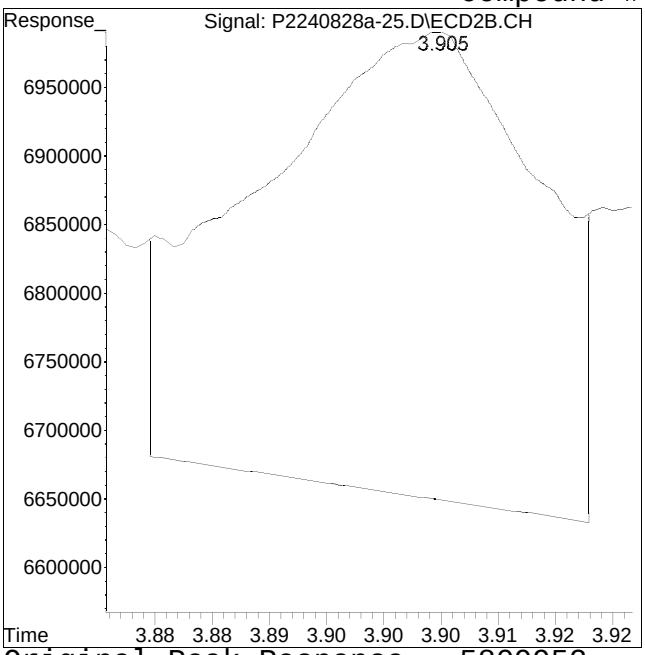


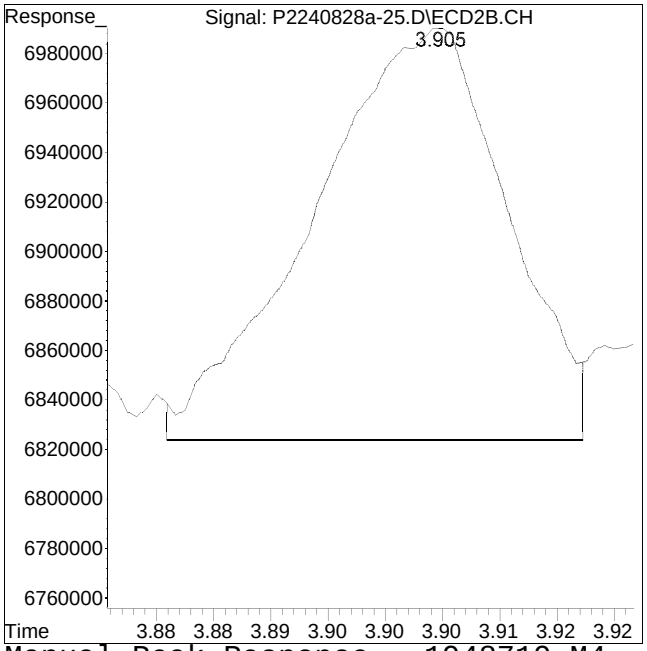
Original Peak Response = 8906022 Manual Peak Response = 2621895 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-25.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:22 Instrument : Pest 2
Sample : WG1964696-1,42,, Quant Date : 8/28/2024 11:03 am

Compound #64: 1260-5 #2





Original Peak Response = 5809952 Manual Peak Response = 1948719 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:01
Operator : pest2:meo
Sample : WG1965202-1,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:04 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.195	1.258	201.5E6	240.4E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 191409127				Recovery = 105.25%		
	Standard Area 1 : #2 = 190535960				Recovery = 126.16%		
14) i	2154_1br2nb	1.195	1.258	201.5E6	240.4E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.195	1.258	201.5E6	240.4E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.195	1.258	201.5E6	240.4E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.195	1.258	201.5E6	240.4E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.480	1.629	204.2E6	252.0E6	15.740	17.350M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 78.70%		86.75%
3) s	Decachlorobi	4.050	4.553	183.1E6	181.6E6	19.350	18.721
	Spiked Amount 20.000	Range 30 - 150			Recovery = 96.75%		93.61%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:01
Operator : pest2:meo
Sample : WG1965202-1,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:04 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:01
Operator : pest2:meo
Sample : WG1965202-1,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:04 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:01
Operator : pest2:meo
Sample : WG1965202-1,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:04 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : Default - All compounds listed

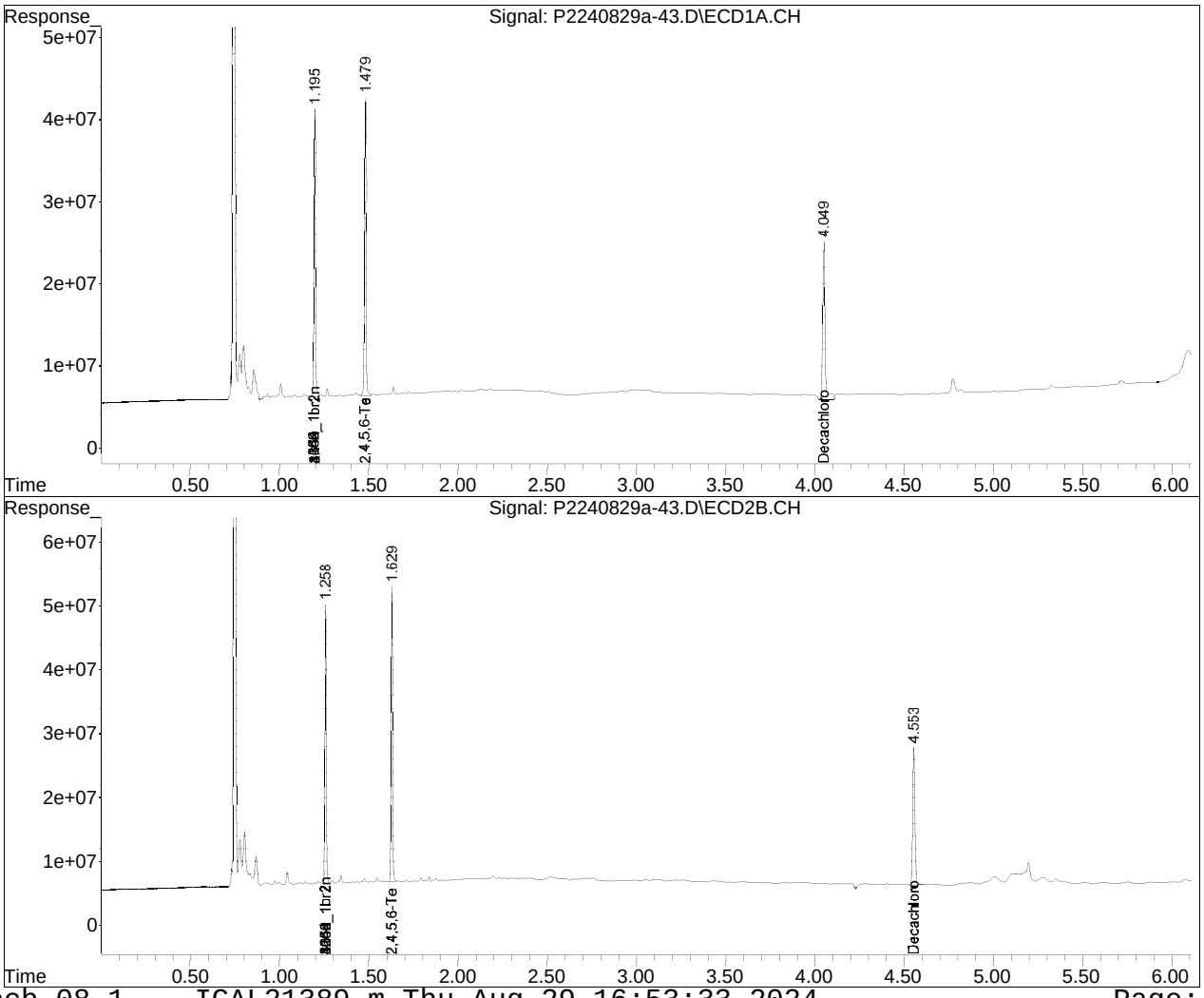
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-43.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:01
Operator : pest2:meo
Sample : WG1965202-1,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:04 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

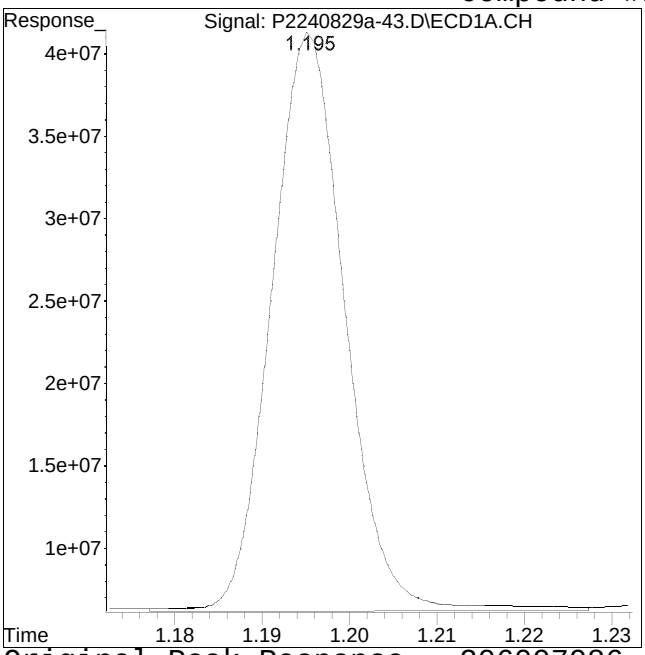
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

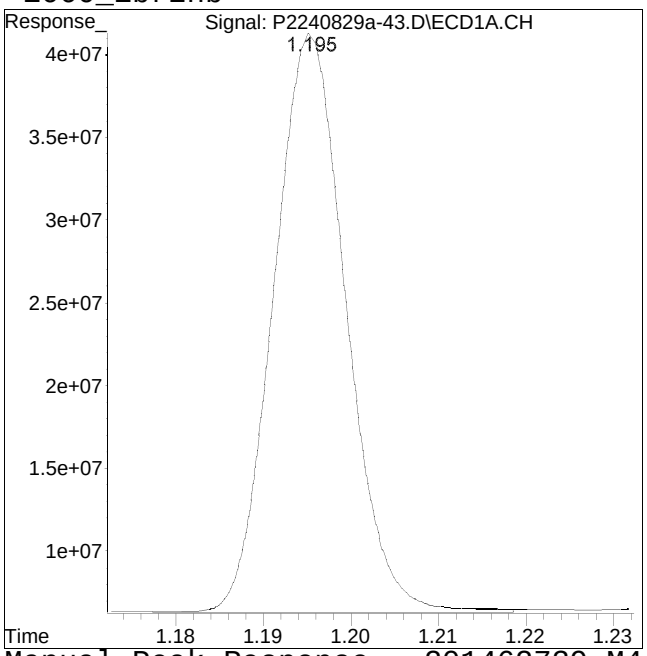


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-43.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:01 Instrument : Pest 2
Sample : WG1965202-1,42,, Quant Date : 8/29/2024 4:33 pm

Compound #1: 1660_1br2nb



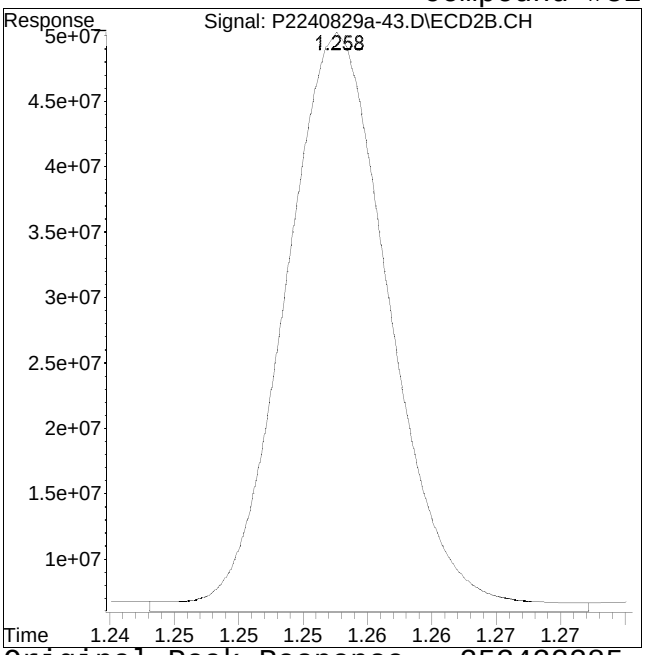


Original Peak Response = 206007986 Manual Peak Response = 201462739 M4
M4 = Poor automated baseline construction.

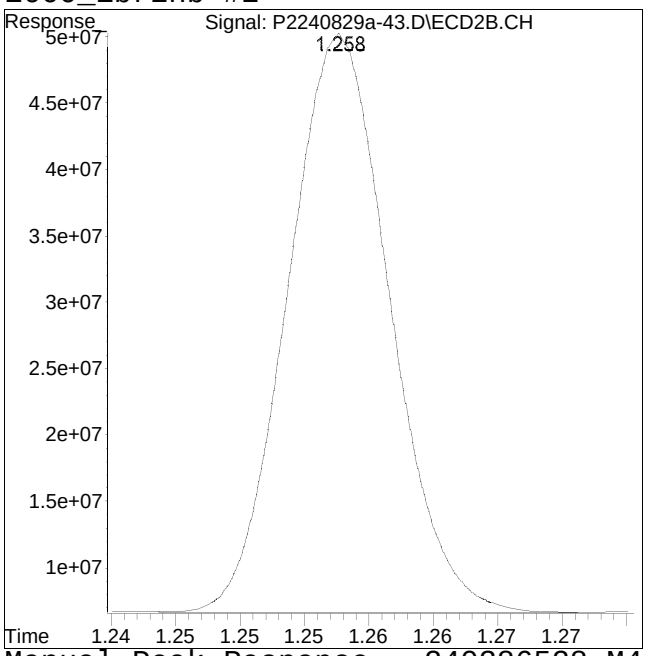
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-43.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:01 Instrument : Pest 2
Sample : WG1965202-1,42,, Quant Date : 8/29/2024 4:33 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 253432385



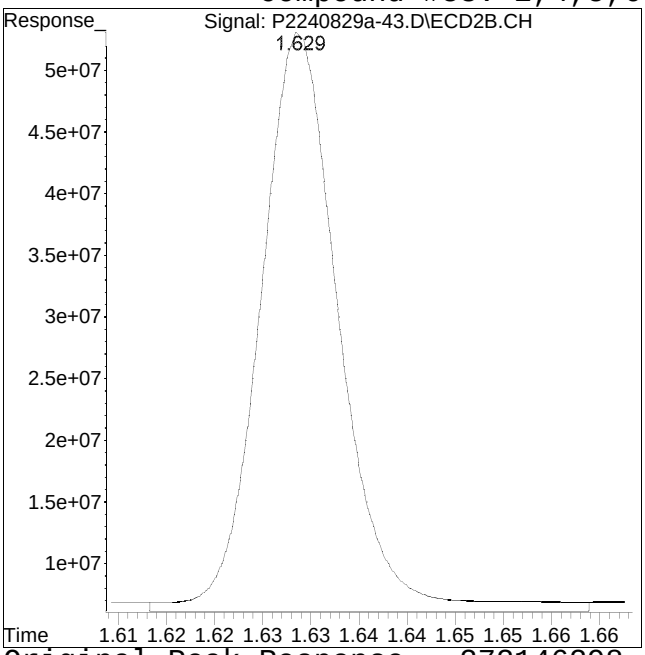
Manual Peak Response = 240386528 M4

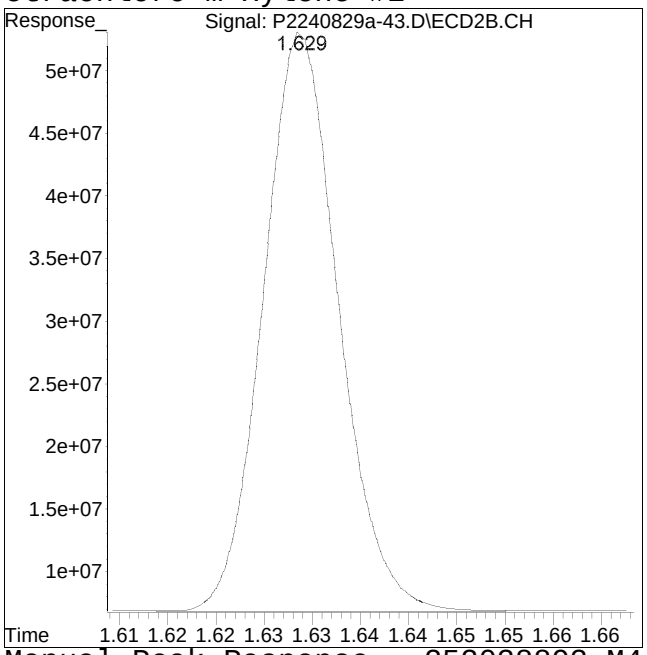
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-43.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:01 Instrument : Pest 2
Sample : WG1965202-1,42,, Quant Date : 8/29/2024 4:33 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2





Original Peak Response = 272146298 Manual Peak Response = 252038893 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:31
Operator : pest2:meo
Sample : WG1964696-2,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:18 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.193	1.258	136.2E6	160.7E6	25.000M4	25.000M4
Standard Area 1 : #1 = 156750921				Recovery =	86.87%	
Standard Area 1 : #2 = 194925277				Recovery =	82.45%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.628	202.5E6	215.7E6	23.091	22.213M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	115.46%	111.07%
3) s Decachlorobi	4.041	4.554	135.6E6	144.0E6	21.194M4	22.205M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	105.97%	111.02%
Target Compounds						
4) l1 1016-1	1.613	1.828	41655290	50088580	265.093	281.437M4
5) l1 1016-2	1.754	1.999	97304529	107.9E6	327.807	278.677M4
6) l1 1016-3	1.943	2.200	189.9E6	202.0E6	282.336	261.302M4
7) l1 1016-4	1.998	2.259	78220798	83410915	284.088	256.323M4
8) l1 1016-5	2.168	2.470	79376646	68390114	245.286	289.407M4
Sum 1016-1			486.5E6	511.8E6	1404.610	1367.147
Average 1016-1					280.922	273.429
9) l2 1260-1	2.710	3.079	114.6E6	137.0E6	272.988	314.254M4
10) l2 1260-2	2.840	3.180	174.3E6	150.3E6	279.526	265.119M4
11) l2 1260-3	3.155	3.572	103.9E6	129.4E6	271.858M4	282.032M4
12) l2 1260-4	3.310	3.701	225.7E6	261.8E6	275.777M4	288.445
13) l2 1260-5	3.458	3.902	166.3E6	188.0E6	274.268M1	281.134
Sum 1260-1			784.8E6	866.5E6	1374.417	1430.983
Average 1260-1					274.883	286.197
Sum 1221-2			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:31
Operator : pest2:meo
Sample : WG1964696-2,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:18 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

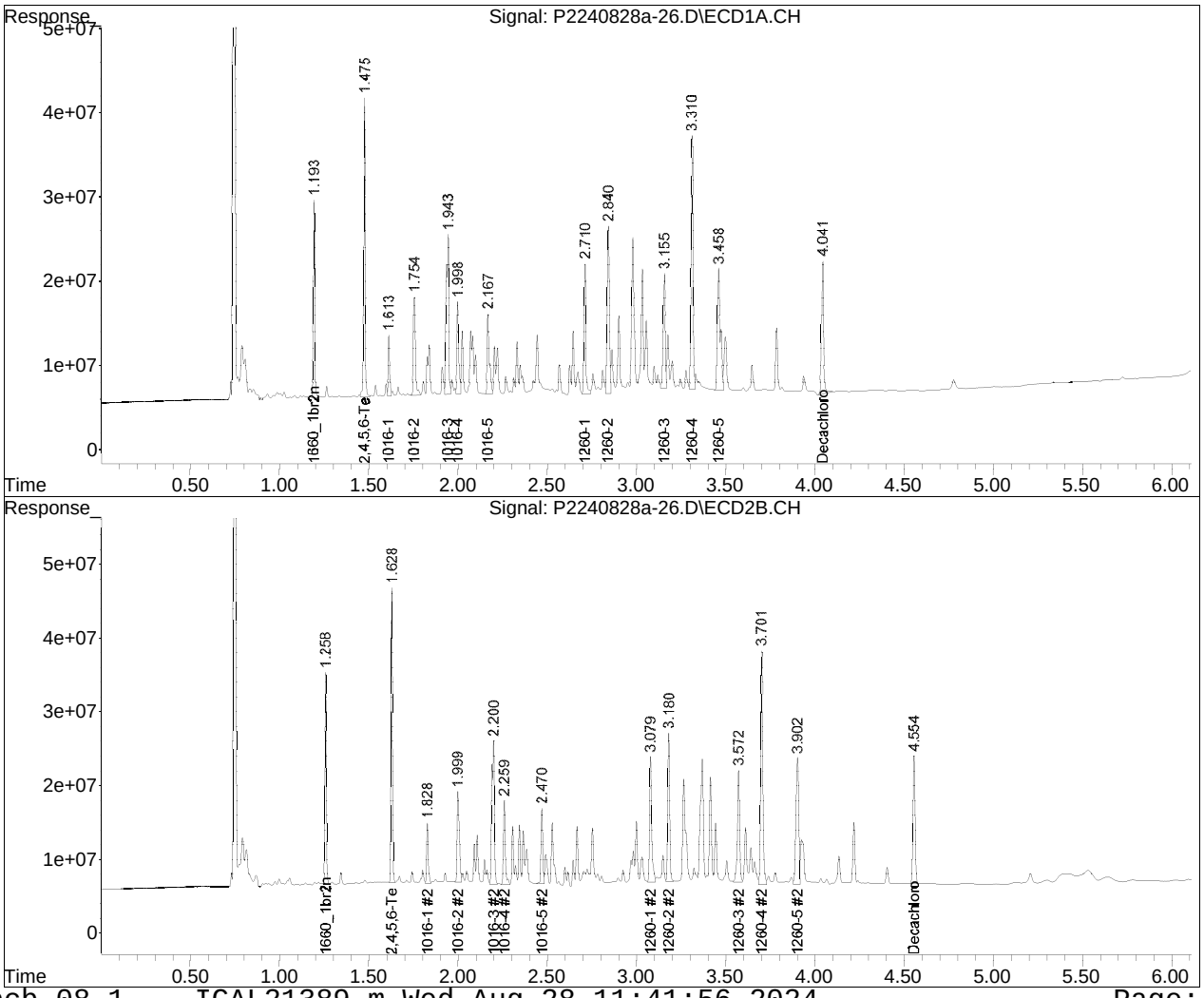
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240828a\P2240828a-05.D•

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:31
Operator : pest2:meo
Sample : WG1964696-2,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:18 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

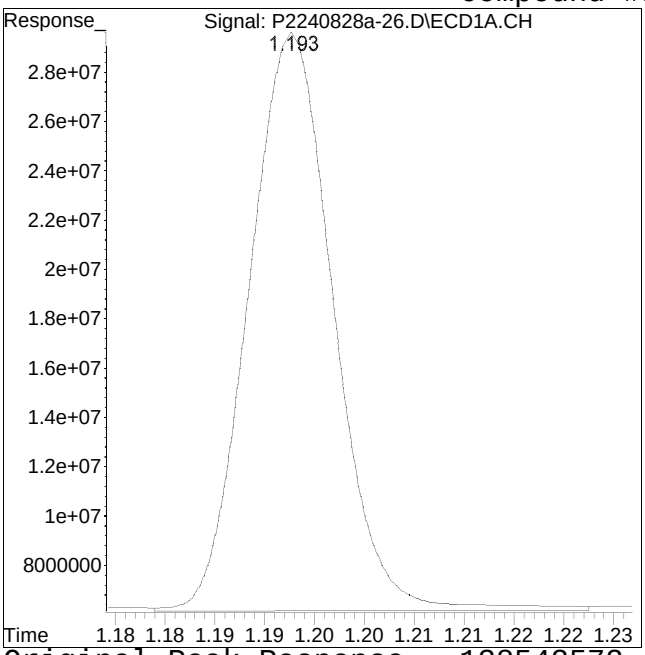
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

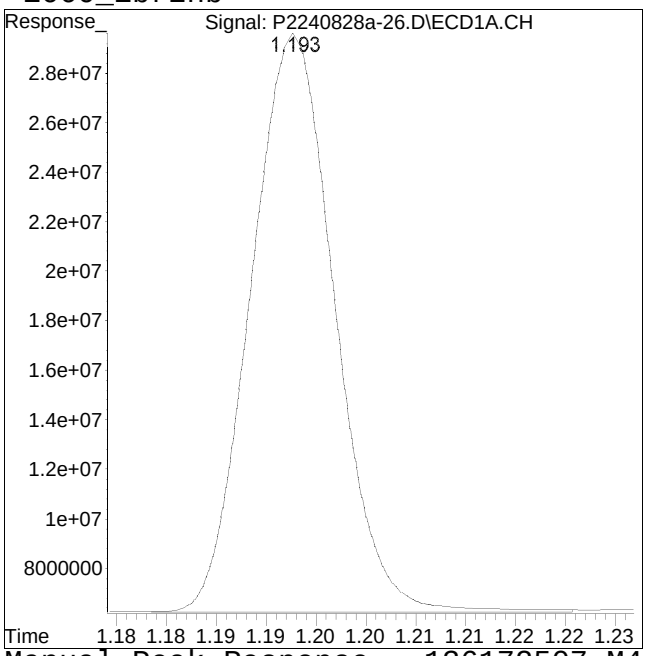


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #1: 1660_1br2nb



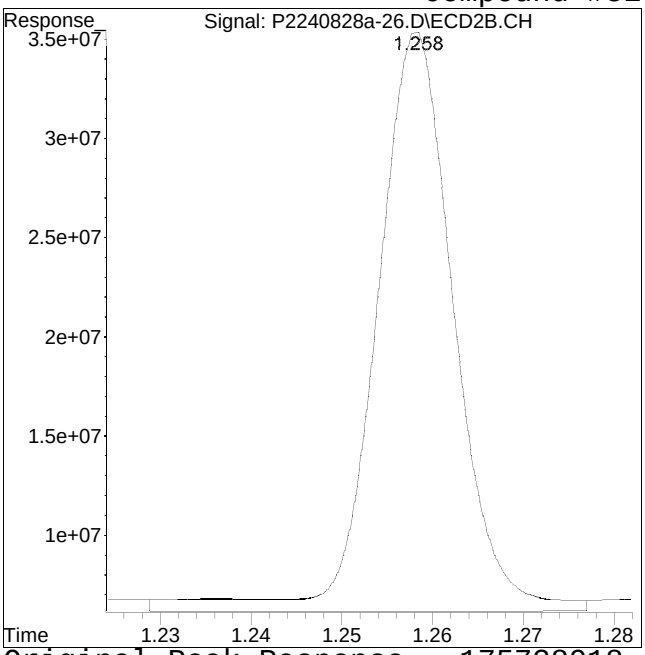


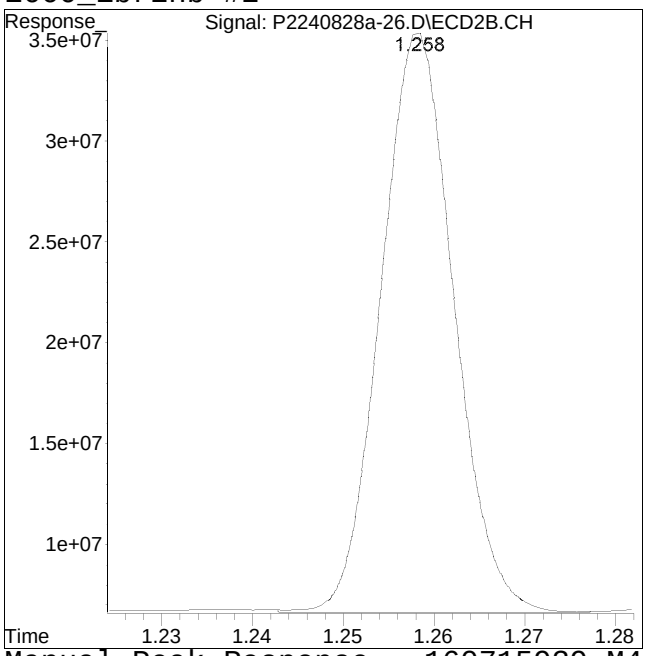
Original Peak Response = 138542572 Manual Peak Response = 136172507 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #52: 1660_1br2nb #2



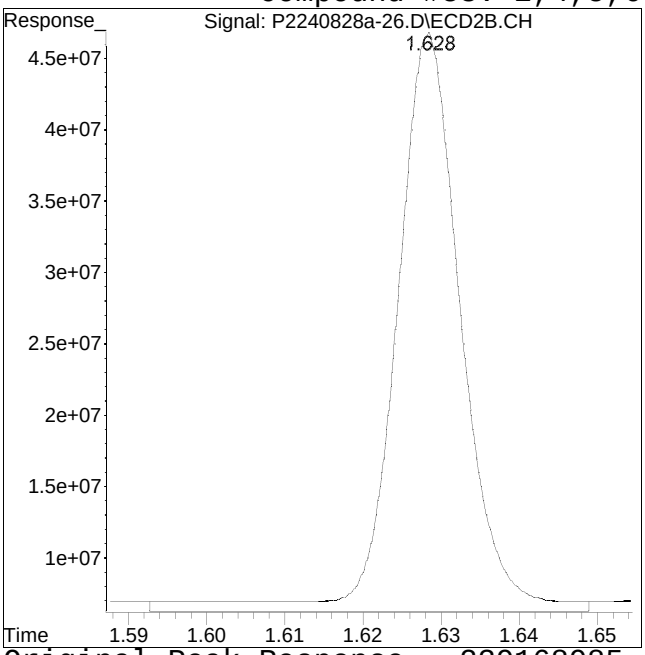


Original Peak Response = 175738918 Manual Peak Response = 160715939 M4
M4 = Poor automated baseline construction.

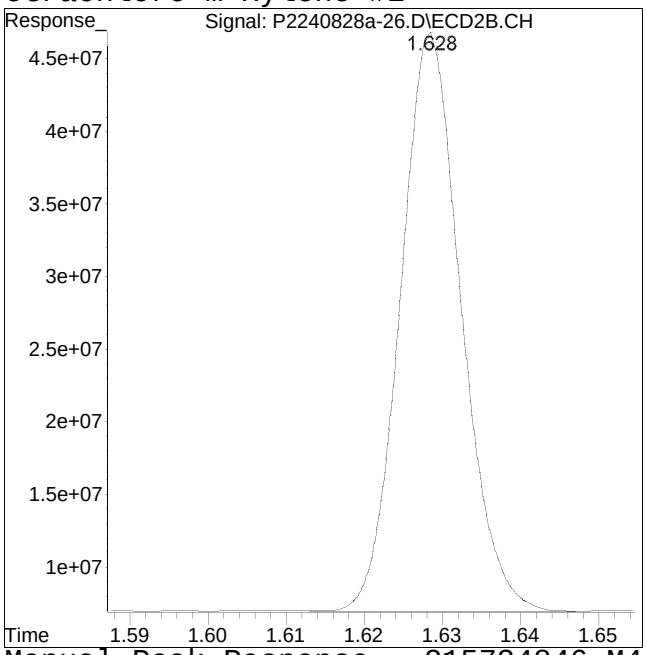
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 239168985



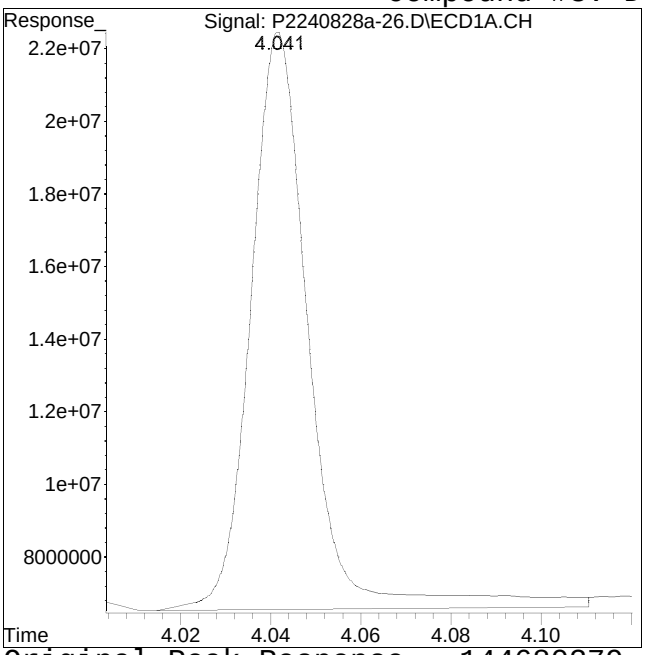
Manual Peak Response = 215734846 M4

M4 = Poor automated baseline construction.

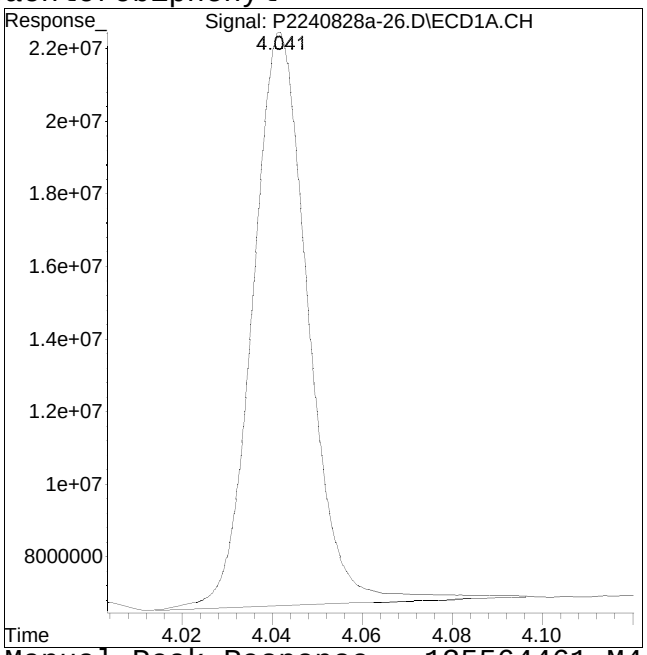
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 144680379



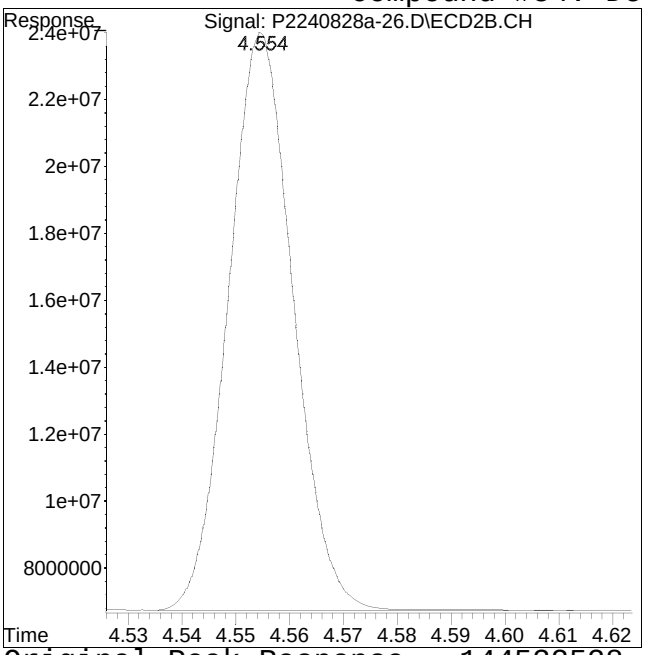
Manual Peak Response = 135564461 M4

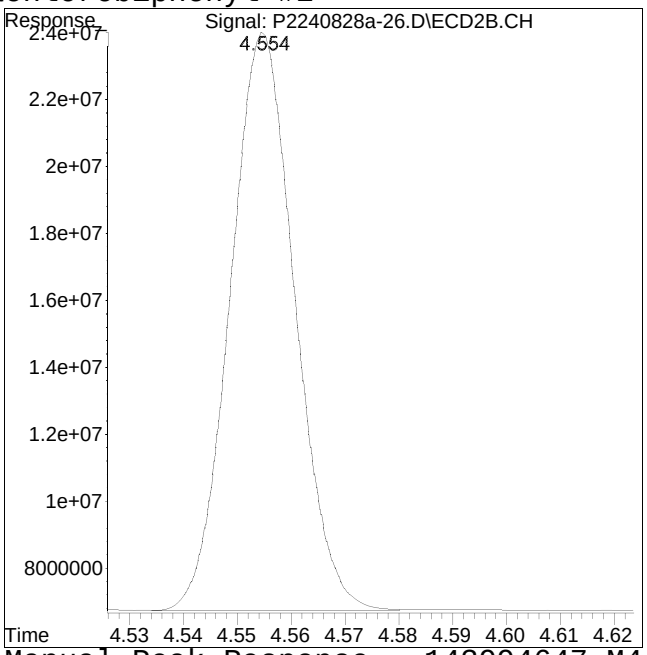
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #54: Decachlorobiphenyl #2



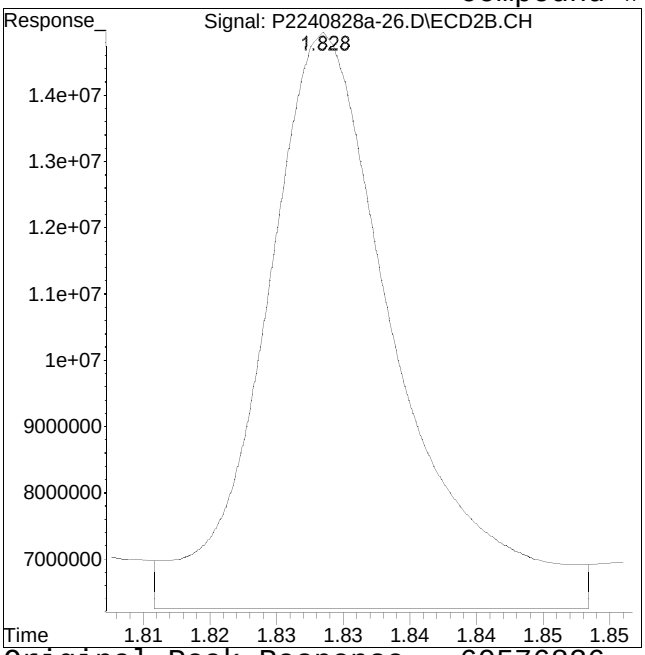


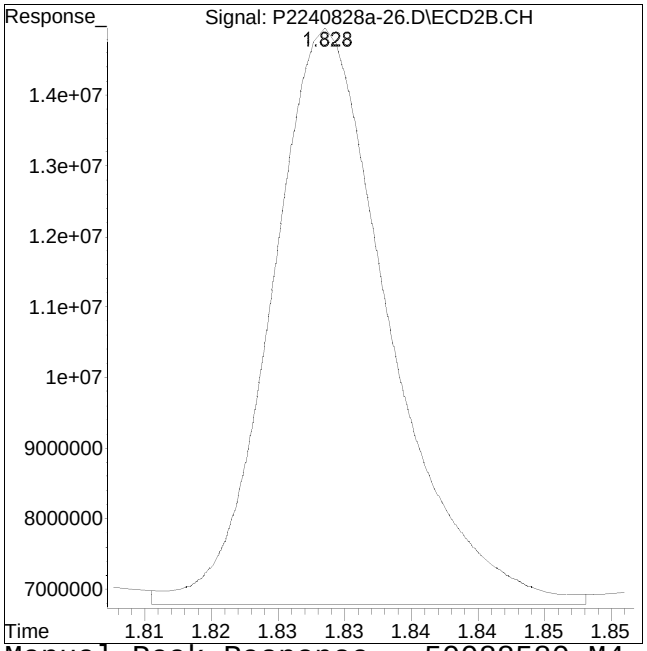
Original Peak Response = 144532528 Manual Peak Response = 143994647 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #55: 1016-1 #2



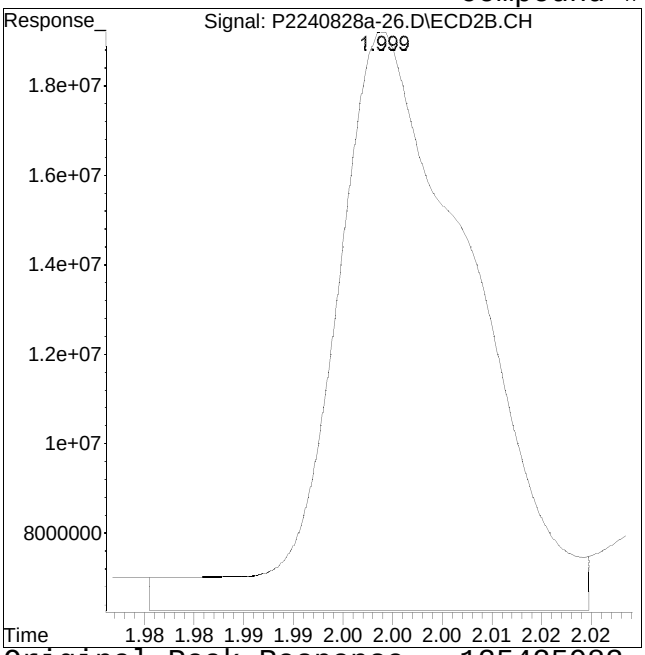


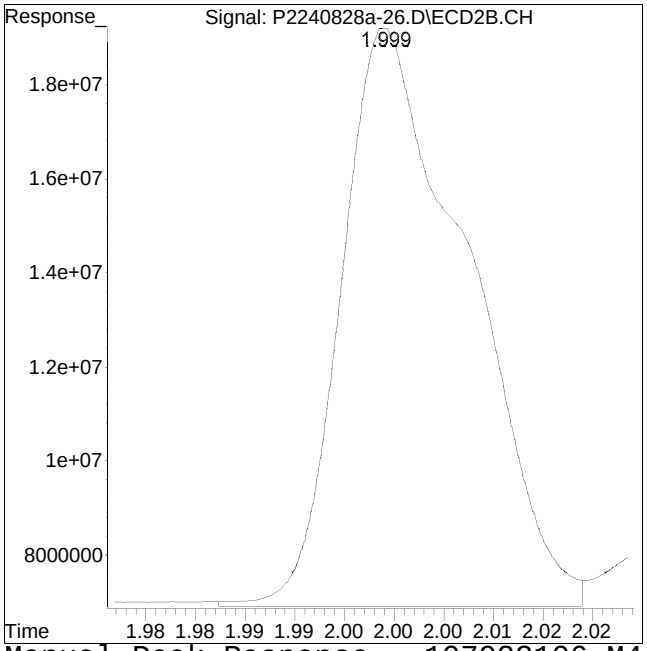
Original Peak Response = 60576836 Manual Peak Response = 50088580 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #56: 1016-2 #2



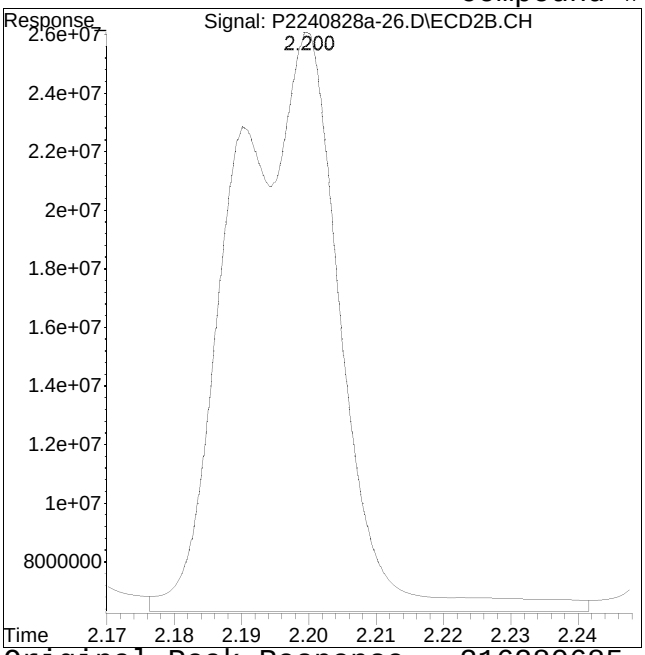


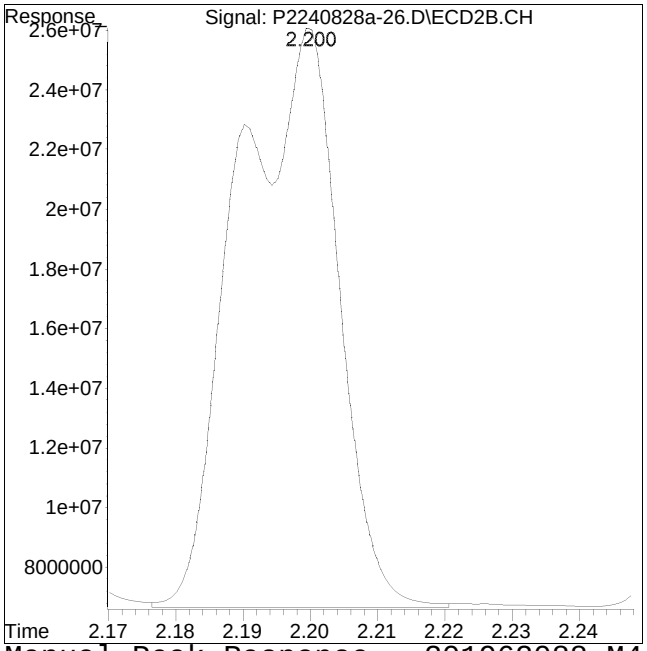
Original Peak Response = 125425983 Manual Peak Response = 107922106 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #57: 1016-3 #2



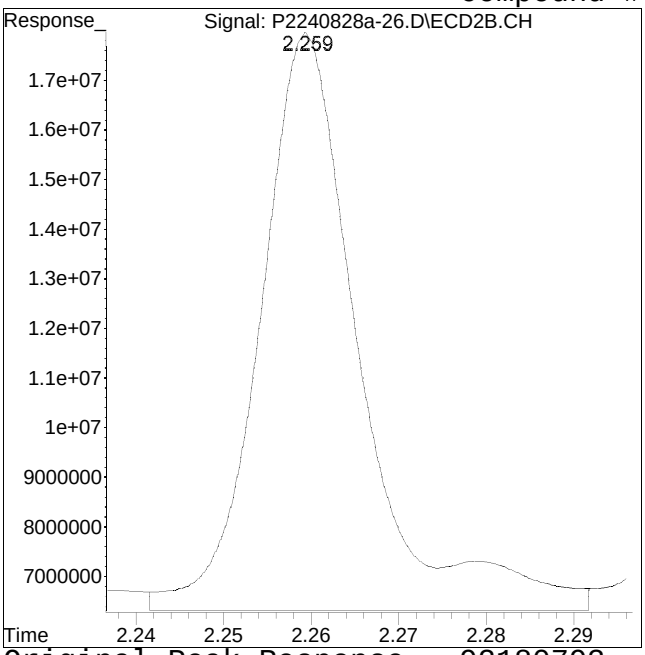


Original Peak Response = 216280685 Manual Peak Response = 201962088 M4
M4 = Poor automated baseline construction.

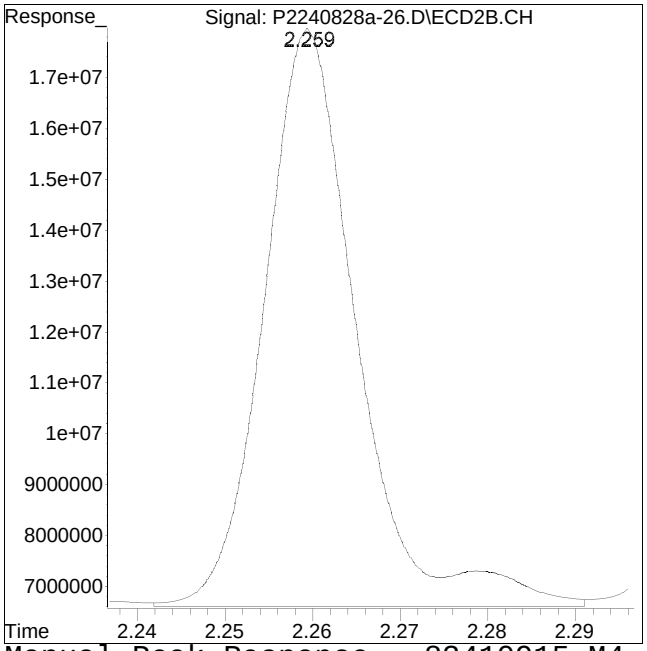
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #58: 1016-4 #2



Original Peak Response = 92180793



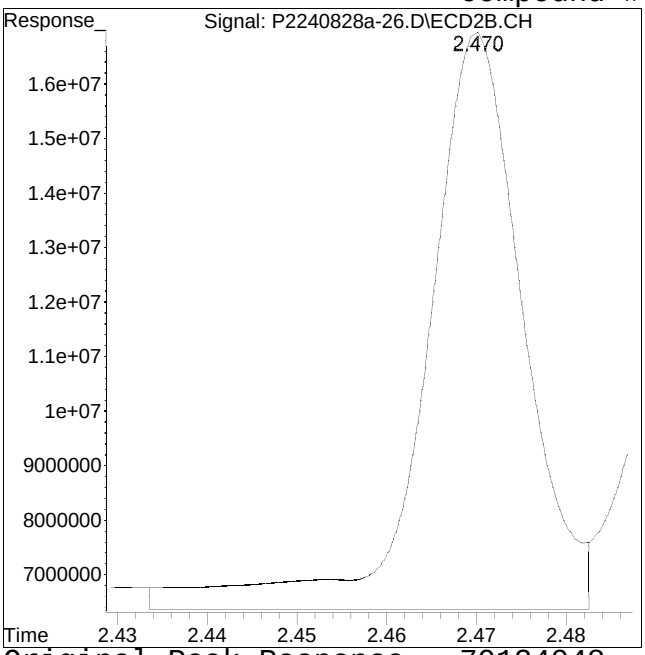
Manual Peak Response = 83410915 M4

M4 = Poor automated baseline construction.

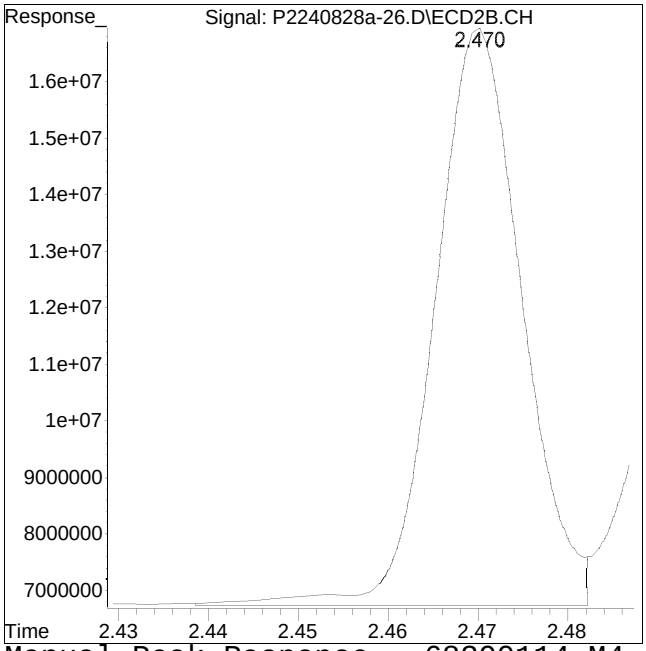
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #59: 1016-5 #2



Original Peak Response = 79134048



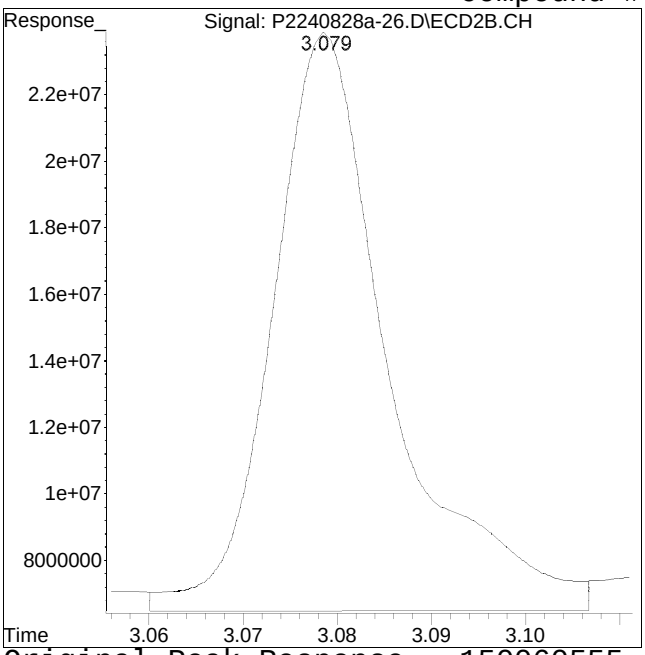
Manual Peak Response = 68390114 M4

M4 = Poor automated baseline construction.

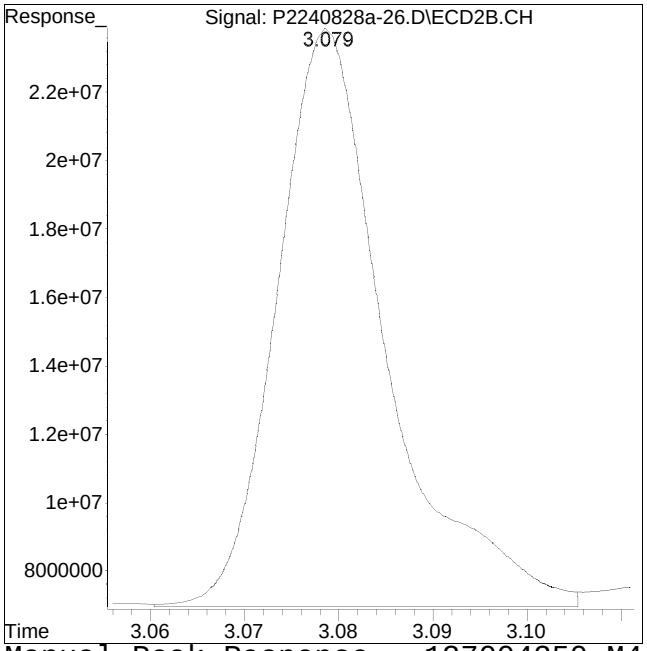
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #60: 1260-1 #2



Original Peak Response = 150060555



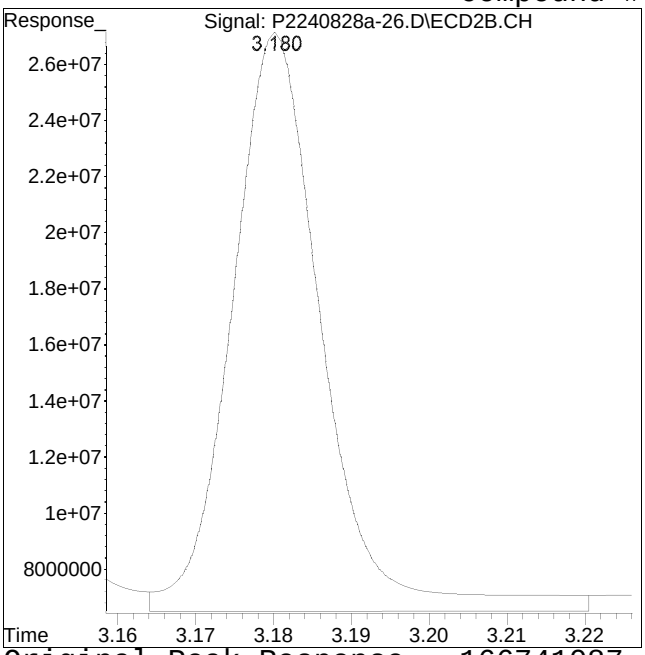
Manual Peak Response = 137004250 M4

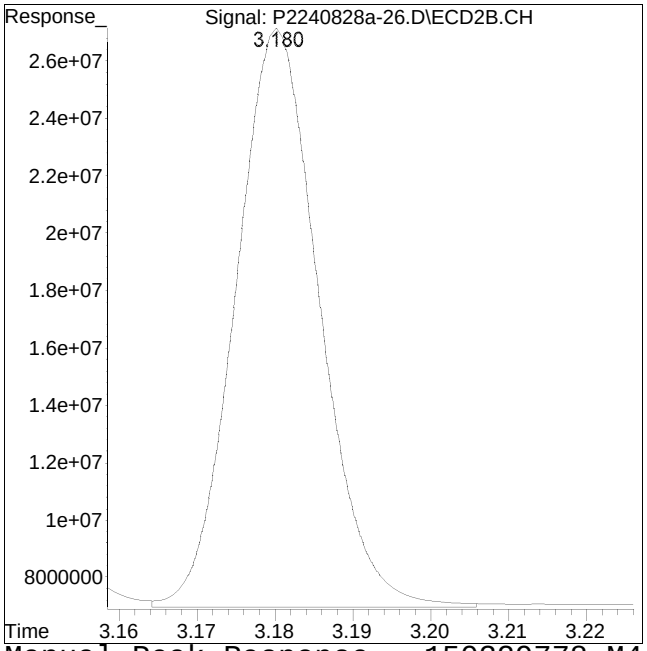
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #61: 1260-2 #2



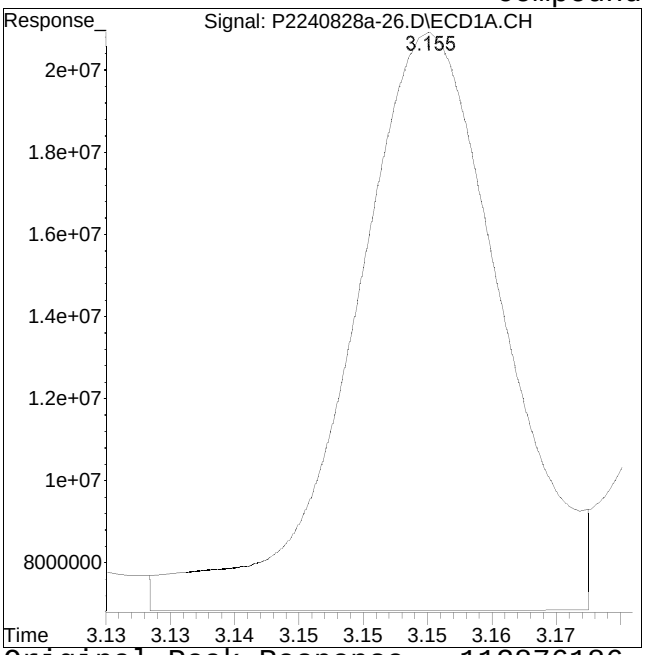


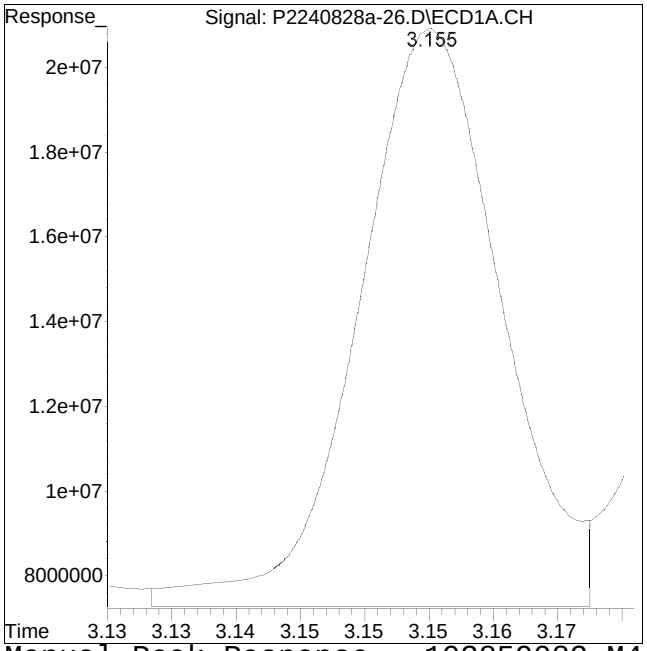
Original Peak Response = 166741087 Manual Peak Response = 150329778 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #11: 1260-3



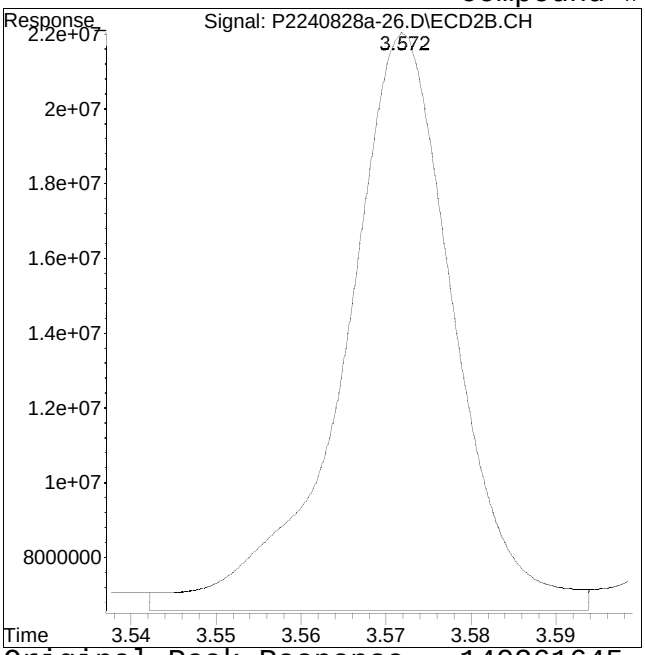


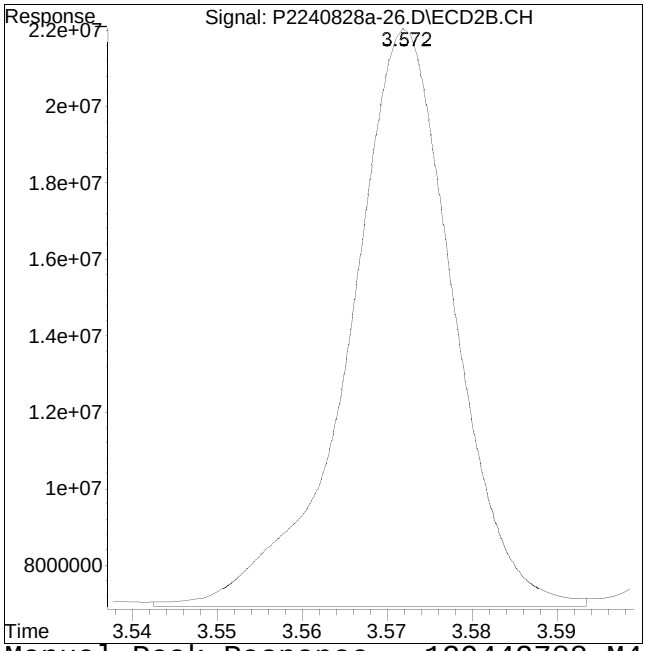
Original Peak Response = 112876186 Manual Peak Response = 103859082 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #62: 1260-3 #2



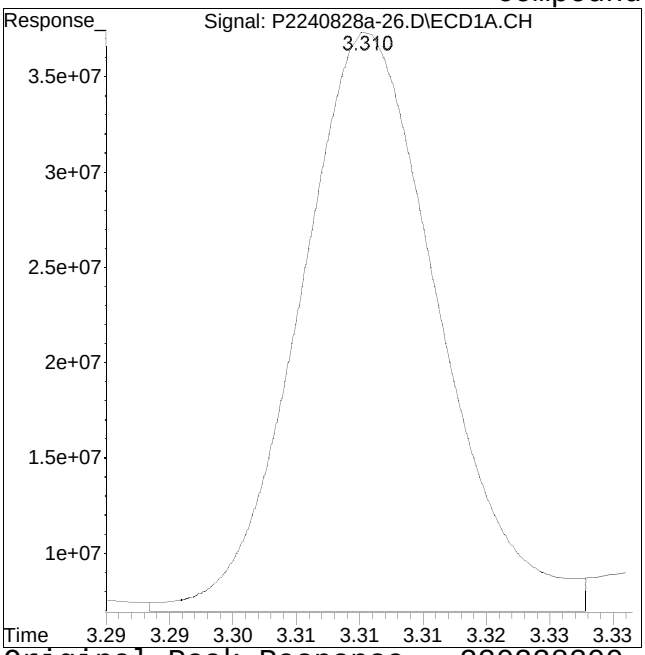


Original Peak Response = 140261645 Manual Peak Response = 129442788 M4
M4 = Poor automated baseline construction.

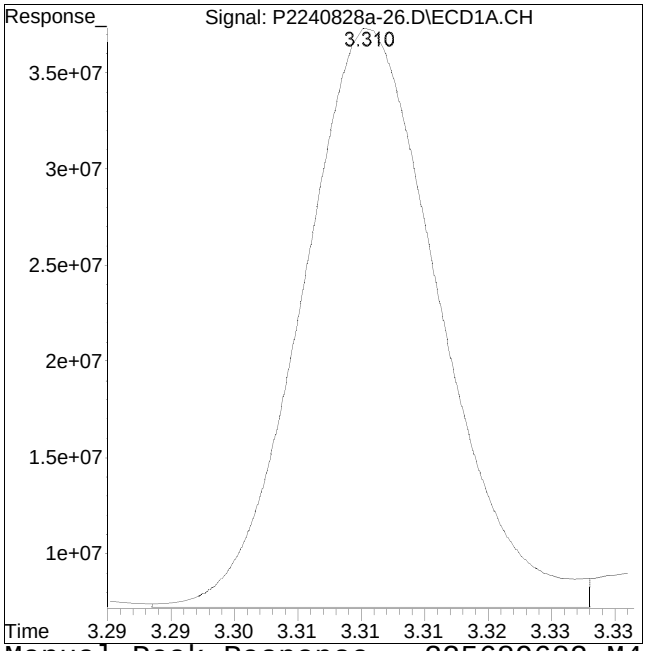
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #12: 1260-4



Original Peak Response = 230238300



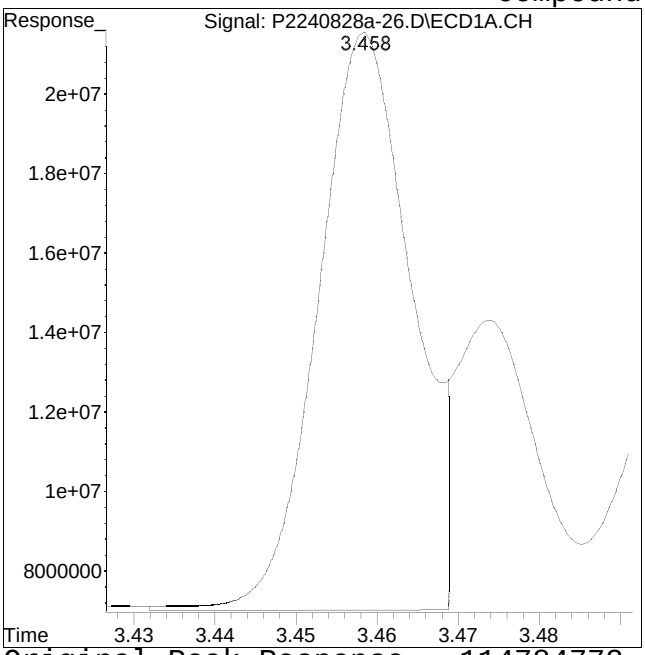
Manual Peak Response = 225689682 M4

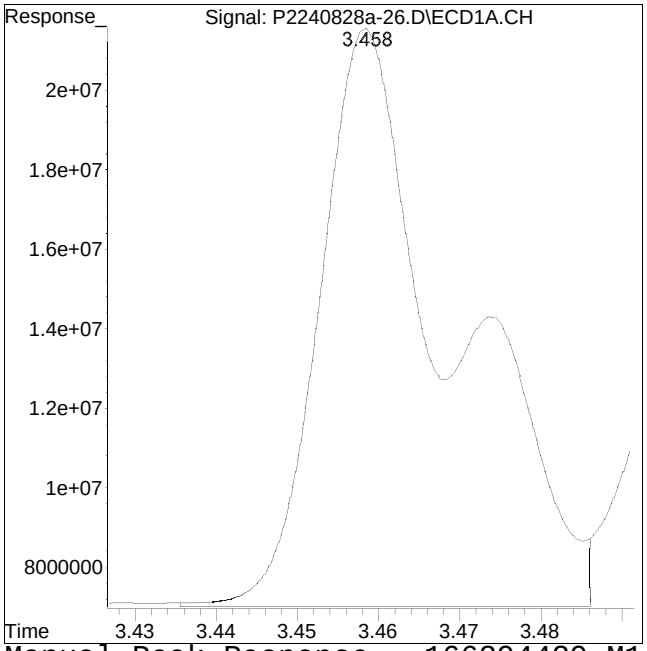
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-26.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:31 Instrument : Pest 2
Sample : WG1964696-2,42,, Quant Date : 8/28/2024 11:03 am

Compound #13: 1260-5





Original Peak Response = 114784772 Manual Peak Response = 166294429 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-44.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:10
Operator : pest2:meo
Sample : WG1965202-2,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:07 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.192	1.257	204.9E6	202.9E6	25.000M4	25.000M4
Standard Area 1 : #1 = 191409127				Recovery =	107.07%	
Standard Area 1 : #2 = 190535960				Recovery =	106.51%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.474	1.627	207.3E6	222.6E6	15.707M4	18.151M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	78.53%	90.75%
3) s Decachlorobi	4.040	4.548	173.9E6	175.8E6	18.062	21.470
Spiked Amount	20.000	Range 30 - 150		Recovery =	90.31%	107.35%
Target Compounds						
4) l1 1016-1	1.612	1.826	46067514	51767787	194.802	230.358M4
5) l1 1016-2	1.753	1.996	108.0E6	112.5E6	241.855	230.123M4
6) l1 1016-3	1.941	2.197	197.8E6	220.0E6	195.364	225.386M4
7) l1 1016-4	1.996	2.257	88373704	89774424	213.268	218.484M4
8) l1 1016-5	2.166	2.468	94929574	71573593	194.919	239.867M4
Sum 1016-1			535.2E6	545.6E6	1040.209	1144.218
Average 1016-1					208.042	228.844
9) l2 1260-1	2.708	3.076	117.9E6	143.1E6	186.743	259.886M4
10) l2 1260-2	2.839	3.178	179.5E6	157.3E6	191.272	219.634M4
11) l2 1260-3	3.154	3.570	112.8E6	142.2E6	196.223	245.455
12) l2 1260-4	3.309	3.699	245.2E6	272.9E6	199.061	238.126
13) l2 1260-5	3.457	3.900	183.1E6	199.5E6	200.643M1	236.334
Sum 1260-1			838.6E6	915.0E6	973.943	1199.434
Average 1260-1					194.789	239.887
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-44.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:10
Operator : pest2:meo
Sample : WG1965202-2,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:07 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

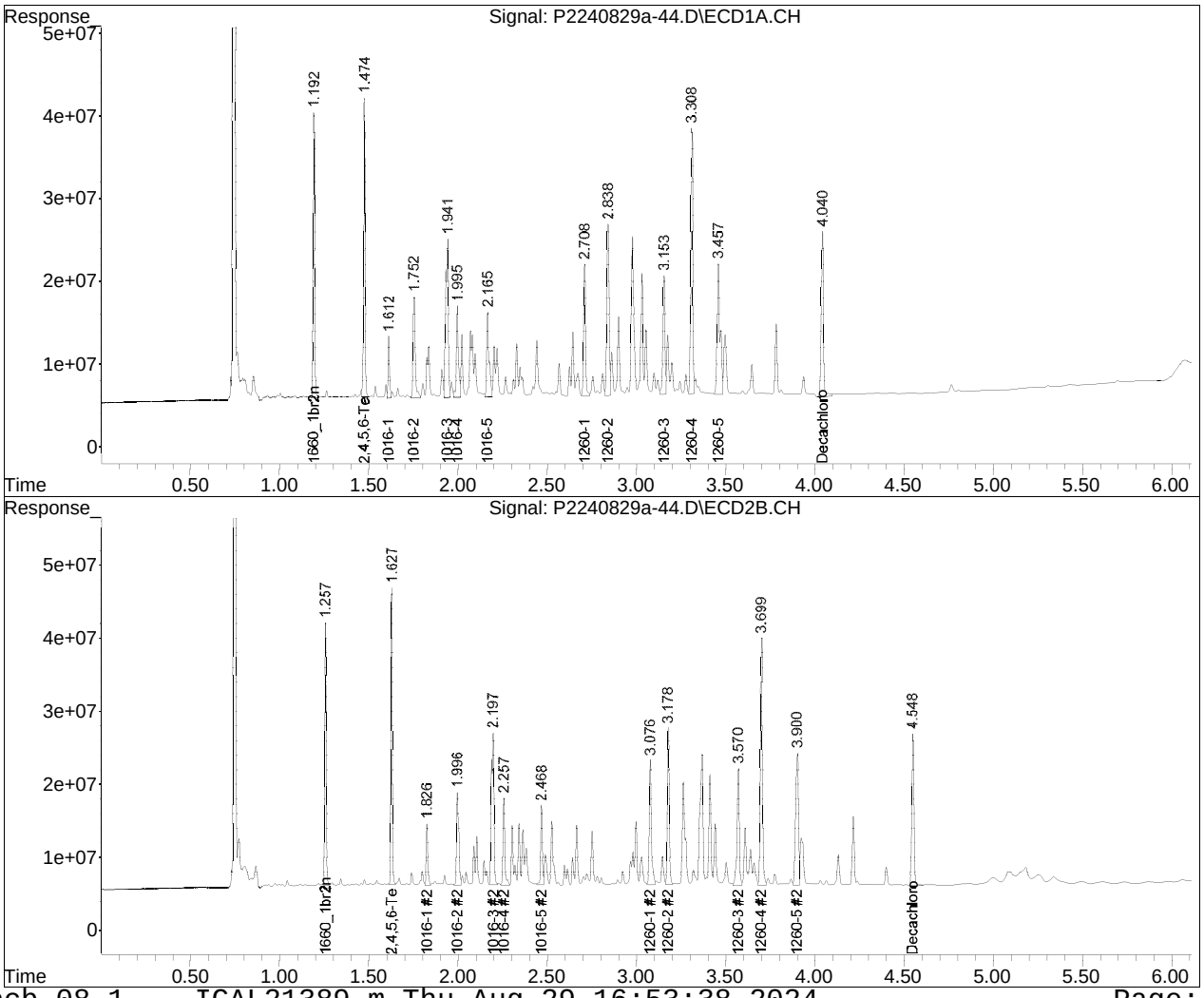
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240829a\P2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-44.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:10
Operator : pest2:meo
Sample : WG1965202-2,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:07 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

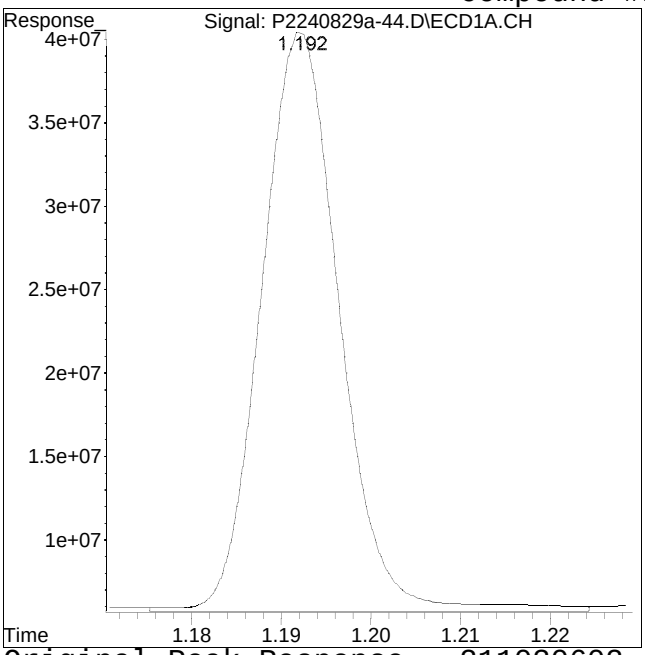
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

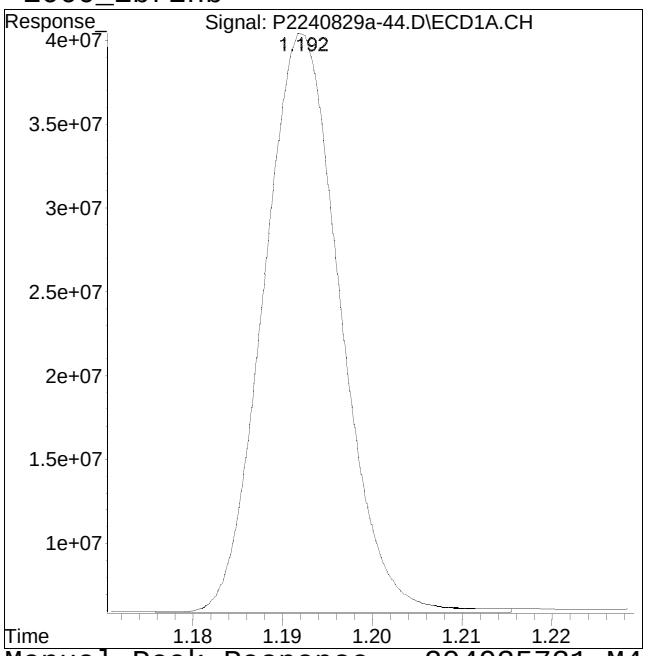


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #1: 1660_1br2nb



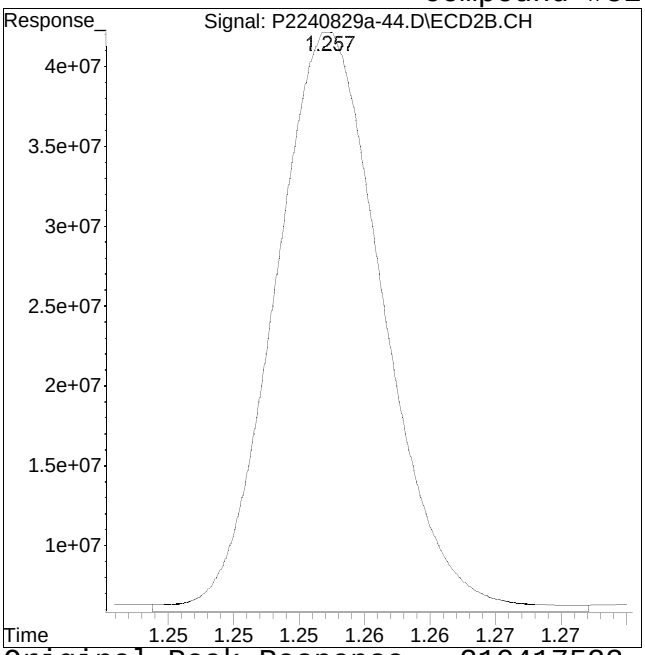


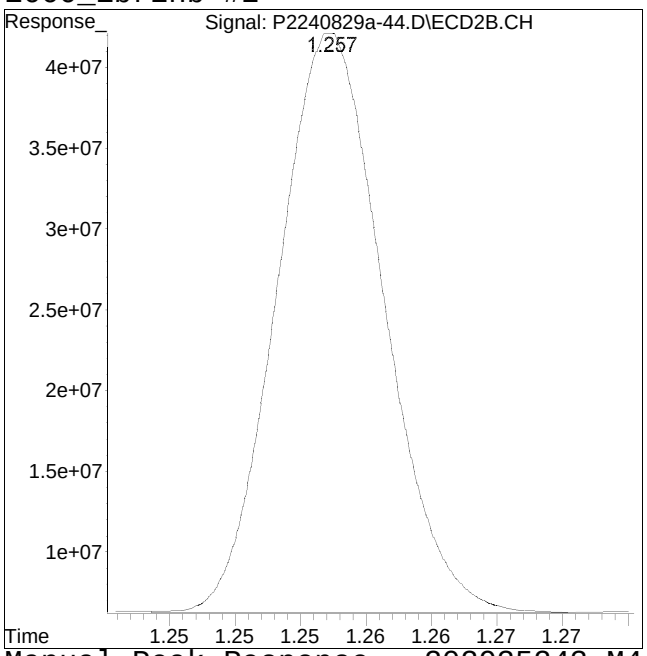
Original Peak Response = 211030602 Manual Peak Response = 204935731 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #52: 1660_1br2nb #2



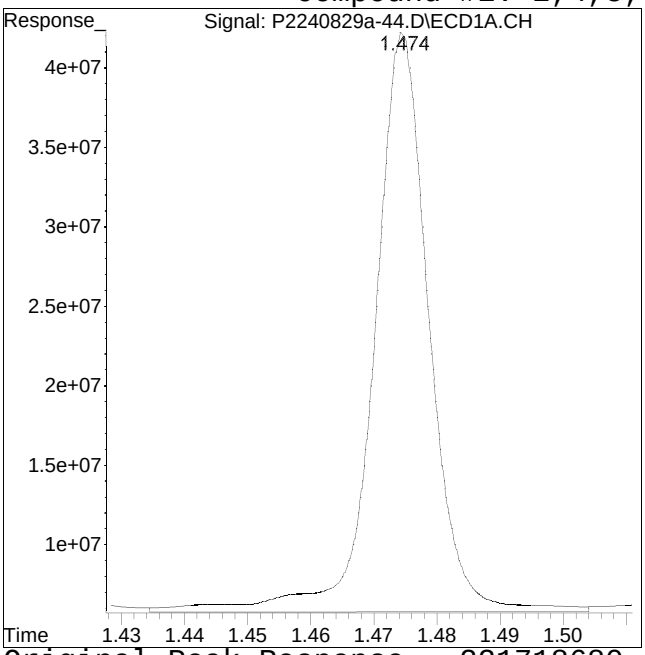


Original Peak Response = 210417523 Manual Peak Response = 202935243 M4
M4 = Poor automated baseline construction.

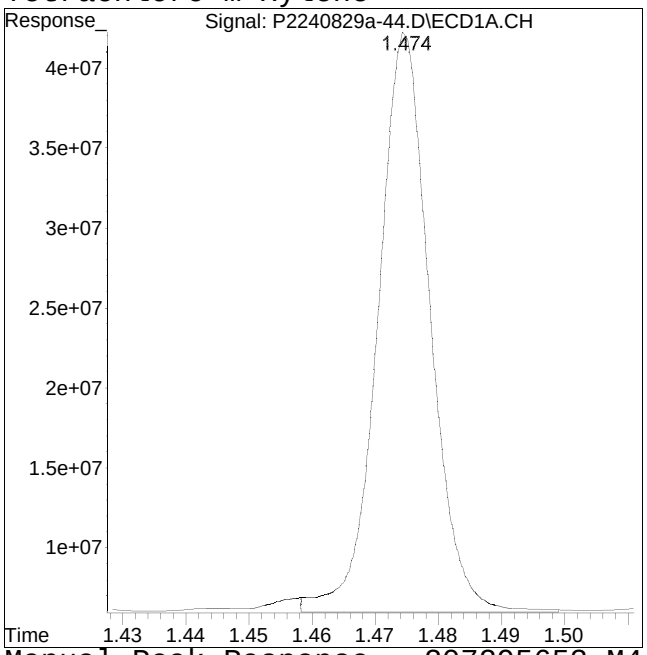
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 221718680



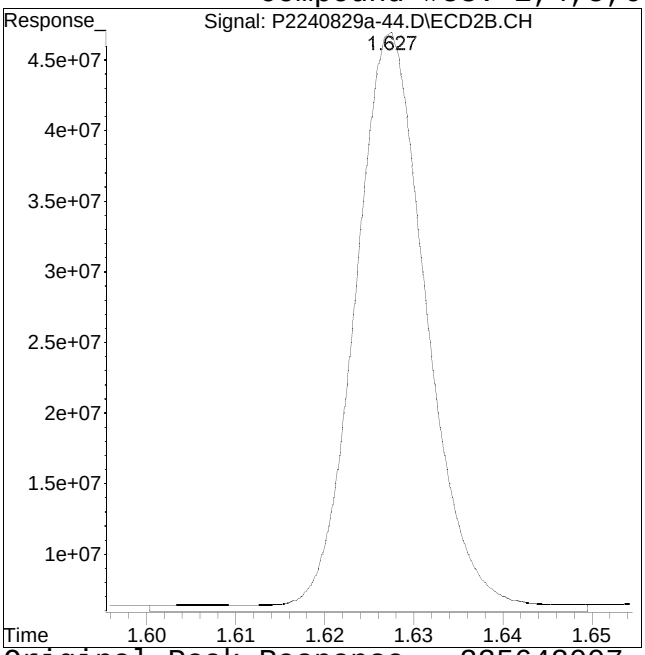
Manual Peak Response = 207295653 M4

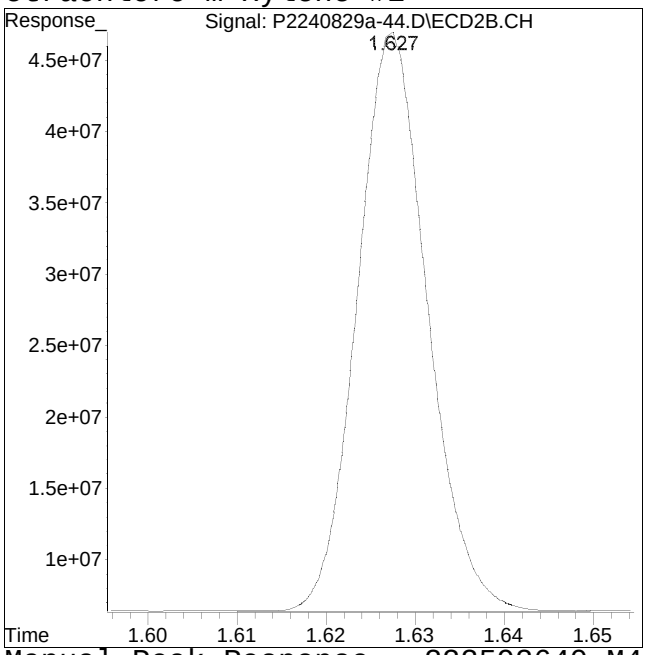
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



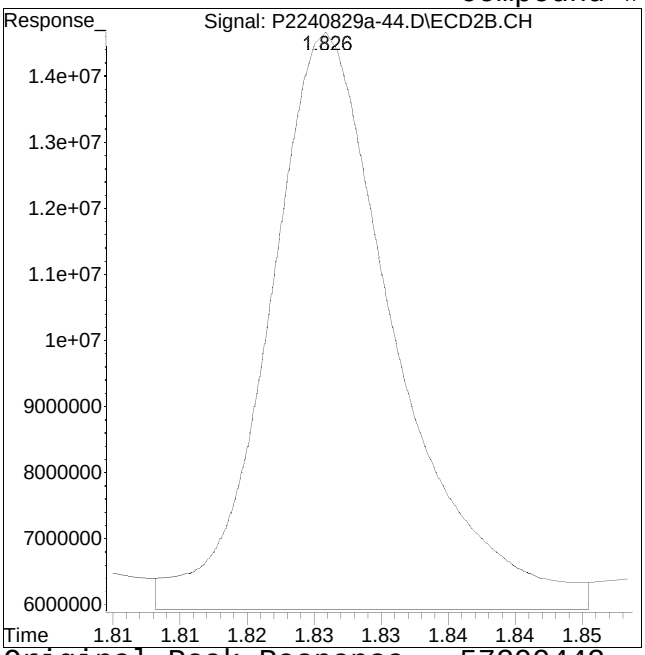


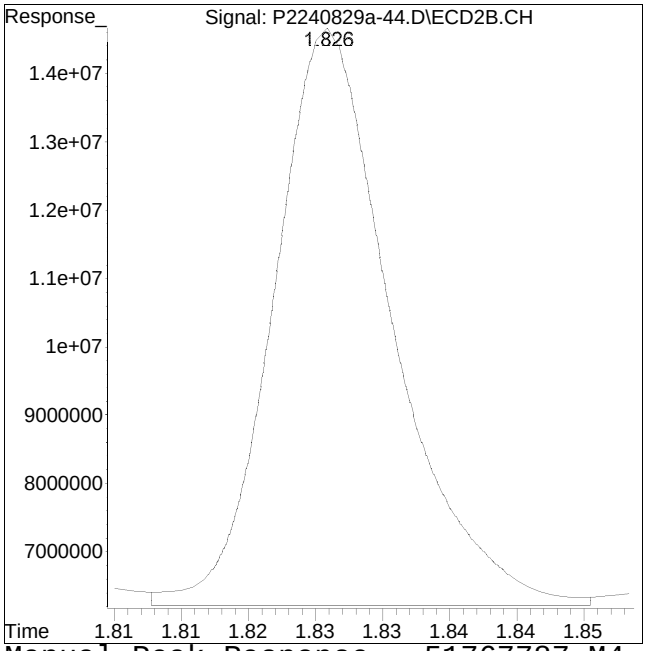
Original Peak Response = 235642007 Manual Peak Response = 222592640 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #55: 1016-1 #2



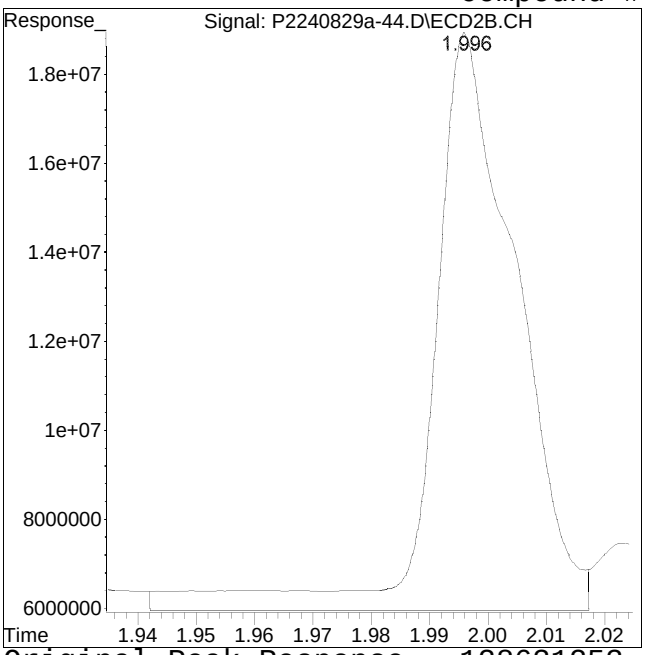


Original Peak Response = 57299442 Manual Peak Response = 51767787 M4
M4 = Poor automated baseline construction.

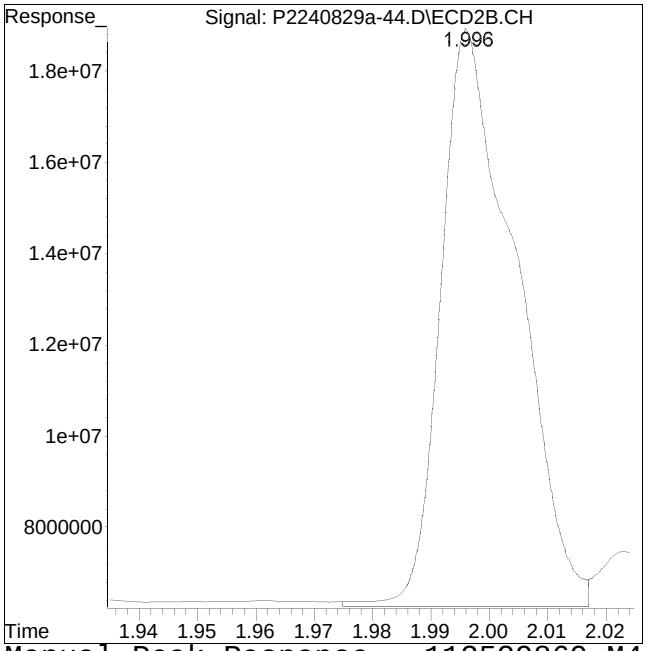
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #56: 1016-2 #2



Original Peak Response = 128631253



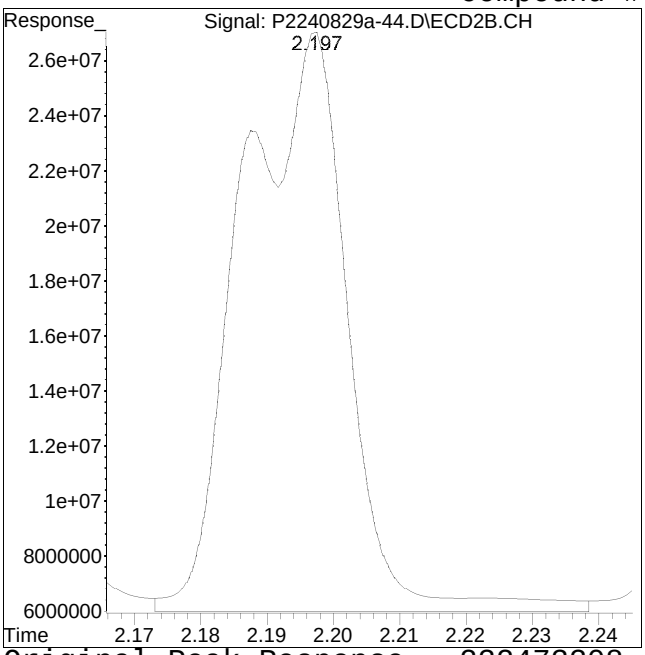
Manual Peak Response = 112529869 M4

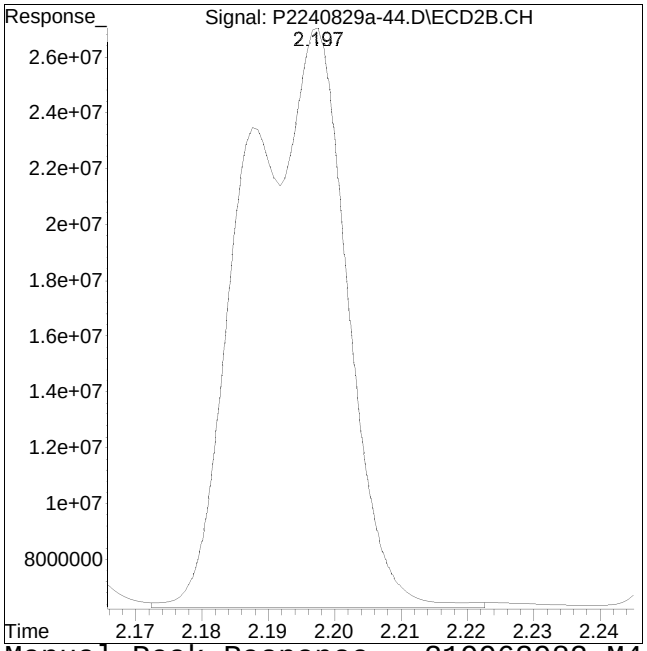
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #57: 1016-3 #2



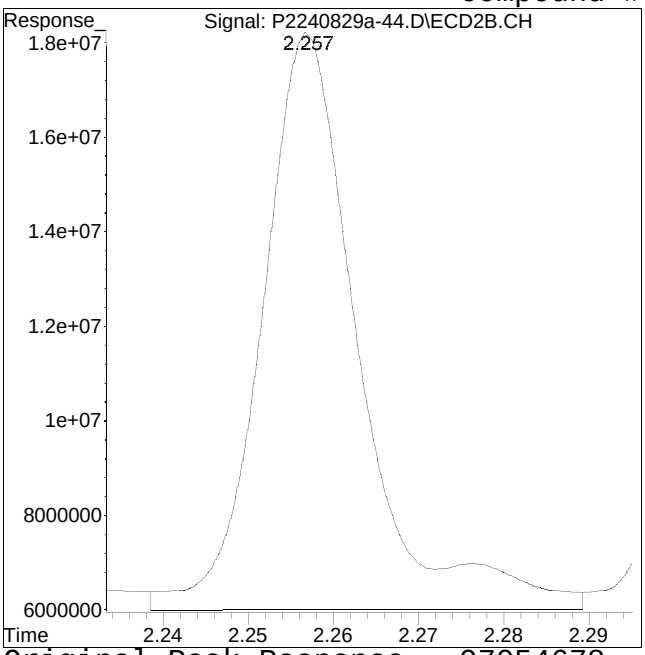


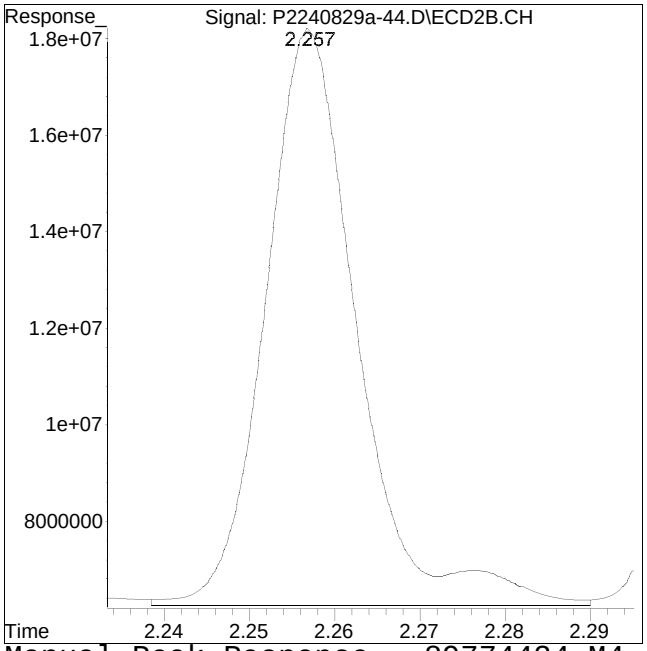
Original Peak Response = 232473308 Manual Peak Response = 219963982 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #58: 1016-4 #2



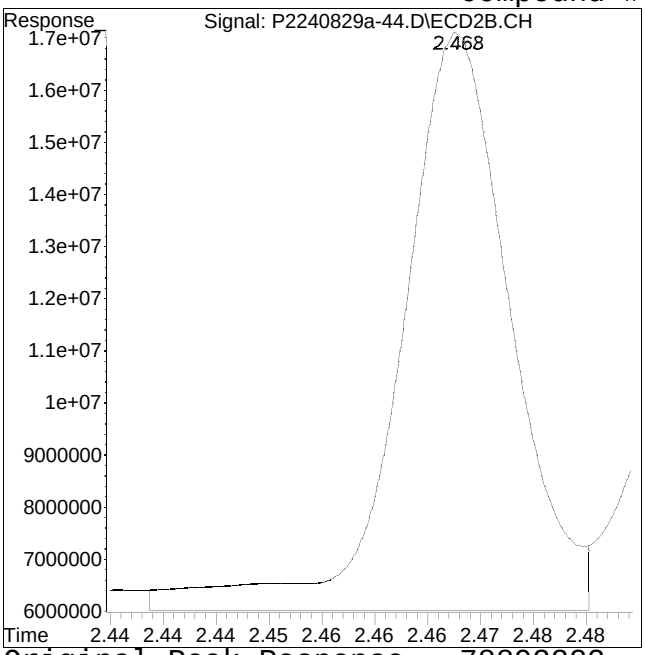


Original Peak Response = 97054678 Manual Peak Response = 89774424 M4
M4 = Poor automated baseline construction.

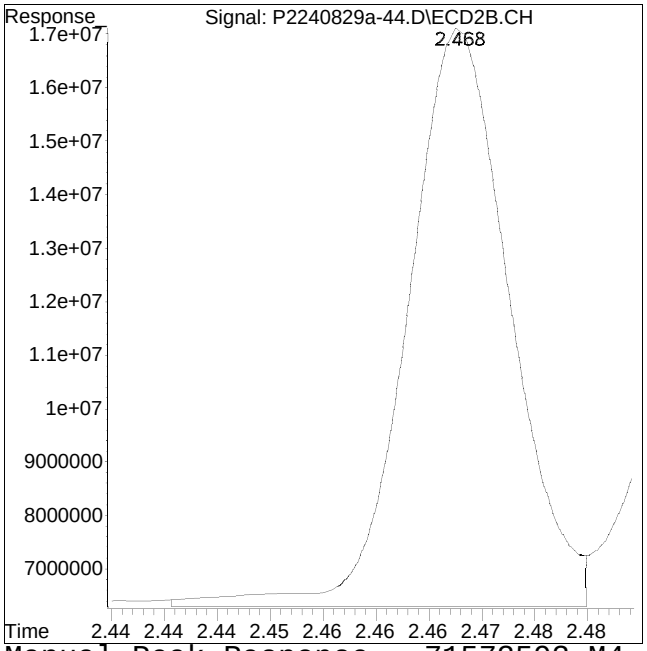
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #59: 1016-5 #2



Original Peak Response = 78892222



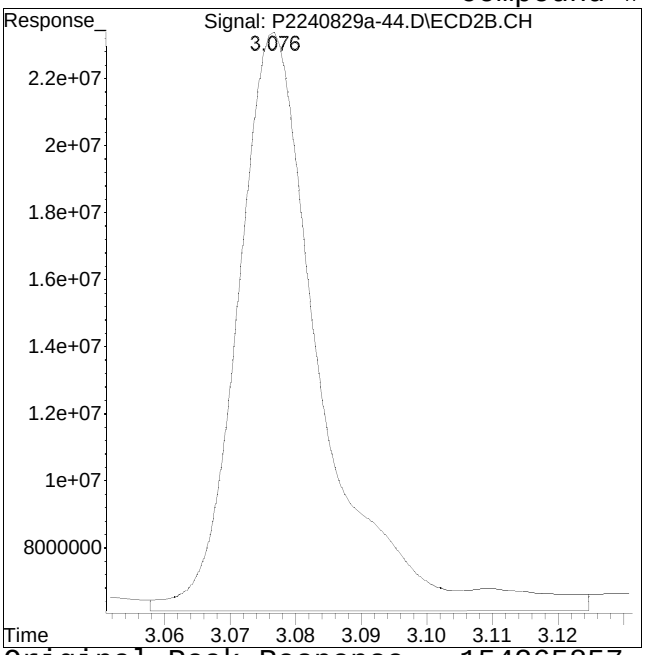
Manual Peak Response = 71573593 M4

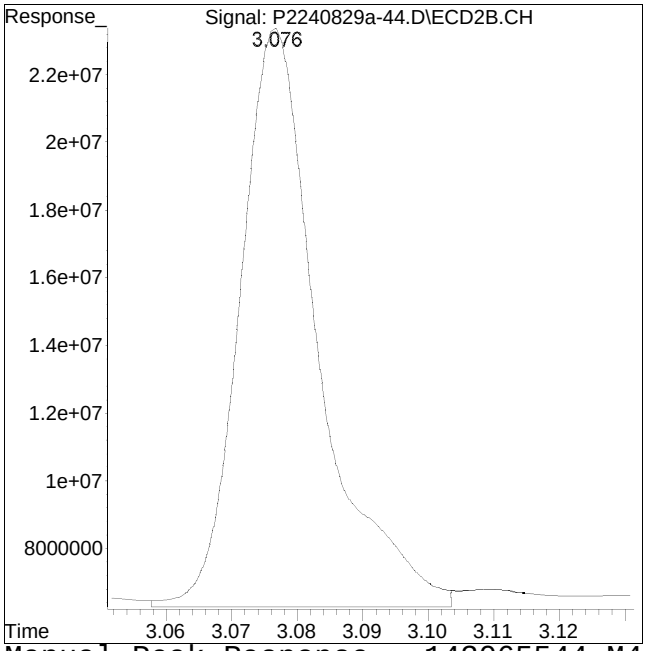
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #60: 1260-1 #2



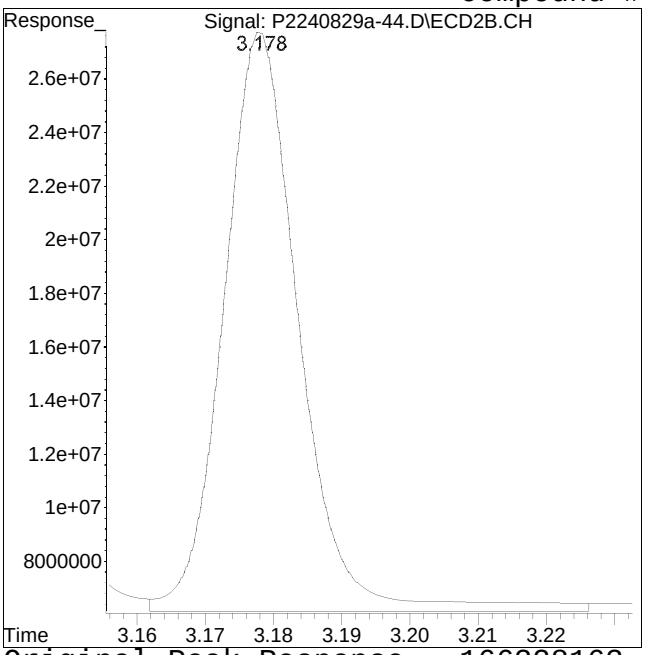


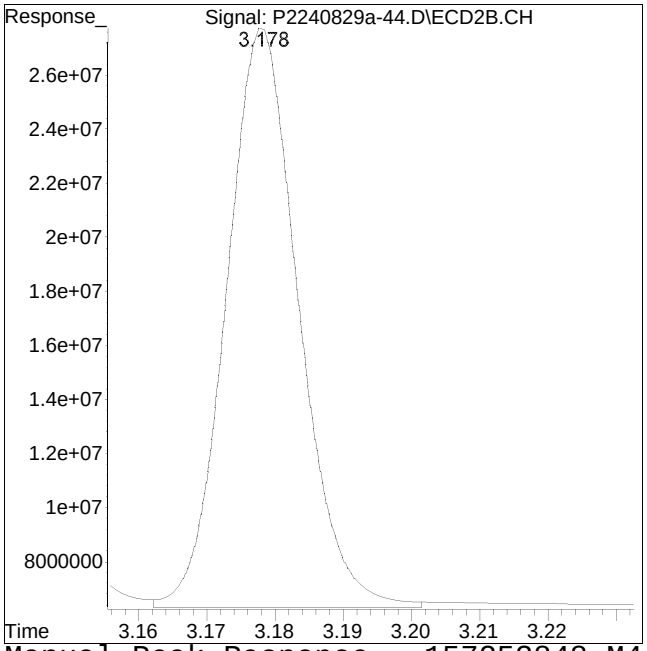
Original Peak Response = 154265857 Manual Peak Response = 143065544 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #61: 1260-2 #2



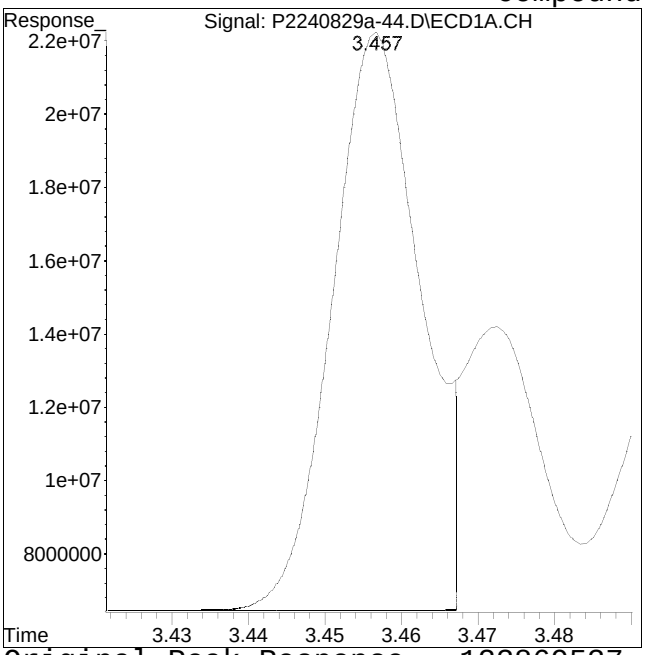


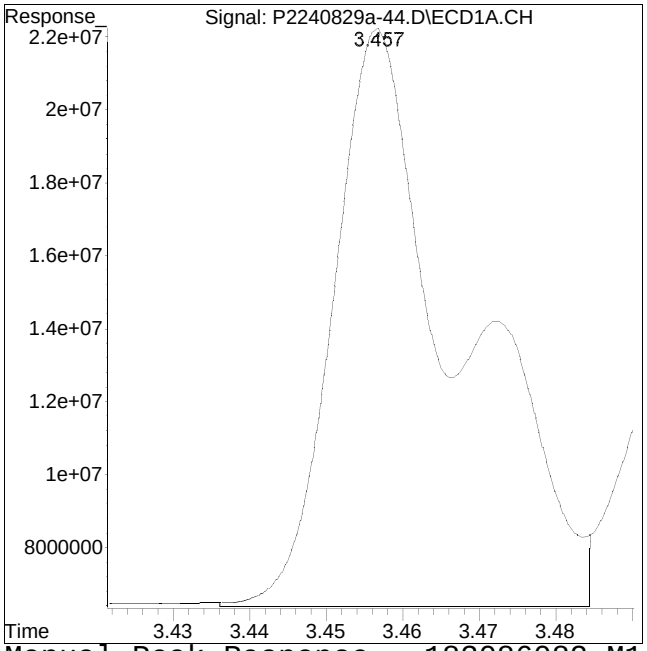
Original Peak Response = 166328163 Manual Peak Response = 157253848 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-44.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:10 Instrument : Pest 2
Sample : WG1965202-2,42,, Quant Date : 8/29/2024 4:33 pm

Compound #13: 1260-5





Original Peak Response = 123869537 Manual Peak Response = 183086082 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:41
Operator : pest2:meo
Sample : WG1964696-3,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:22 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.193	1.258	142.9E6	156.0E6	25.000M4	25.000M4
Standard Area 1 : #1 = 156750921				Recovery =	91.14%	
Standard Area 1 : #2 = 194925277				Recovery =	80.03%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.629	187.7E6	203.2E6	20.402M4	21.552M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	102.01%	107.76%
3) s Decachlorobi	4.043	4.553	136.8E6	138.5E6	20.382	22.008
Spiked Amount	20.000	Range 30 - 150		Recovery =	101.91%	110.04%
Target Compounds						
4) l1 1016-1	1.613	1.829	39428554	48112537	239.166M4	278.505M4
5) l1 1016-2	1.754	1.999	95218969	103.6E6	305.752M4	275.710M4
6) l1 1016-3	1.943	2.200	180.5E6	191.3E6	255.808M4	255.035M4
7) l1 1016-4	1.997	2.260	77872283	79776228	269.571M4	252.564M4
8) l1 1016-5	2.167	2.470	77858000	64696078	229.321M4	282.050M4
Sum 1016-1			470.9E6	487.6E6	1299.617	1343.864
Average 1016-1					259.923	268.773
9) l2 1260-1	2.710	3.079	107.8E6	129.1E6	244.922	304.977M4
10) l2 1260-2	2.840	3.180	165.0E6	139.3E6	252.105	253.147M4
11) l2 1260-3	3.155	3.572	99772547	121.3E6	248.925M4	272.274M4
12) l2 1260-4	3.311	3.701	219.1E6	237.5E6	255.210	269.681M4
13) l2 1260-5	3.458	3.903	158.8E6	172.6E6	249.704M1	265.904M4
Sum 1260-1			750.5E6	799.8E6	1250.866	1365.983
Average 1260-1					250.173	273.197
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:41
Operator : pest2:meo
Sample : WG1964696-3,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:22 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828a\P2240828a-05.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

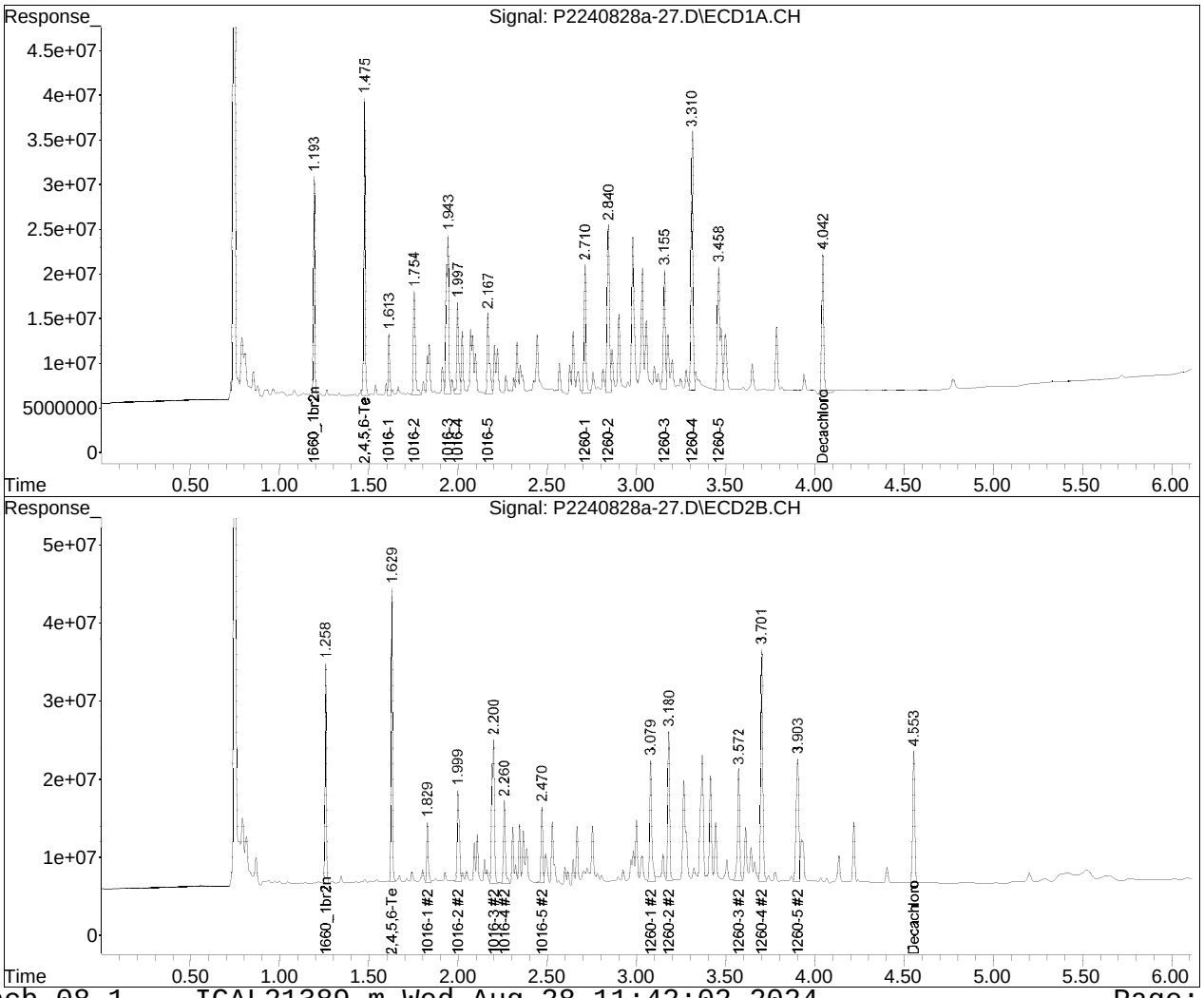
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240828a\P2240828a-05.D•

Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 10:41
Operator : pest2:meo
Sample : WG1964696-3,42,,
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:03:22 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

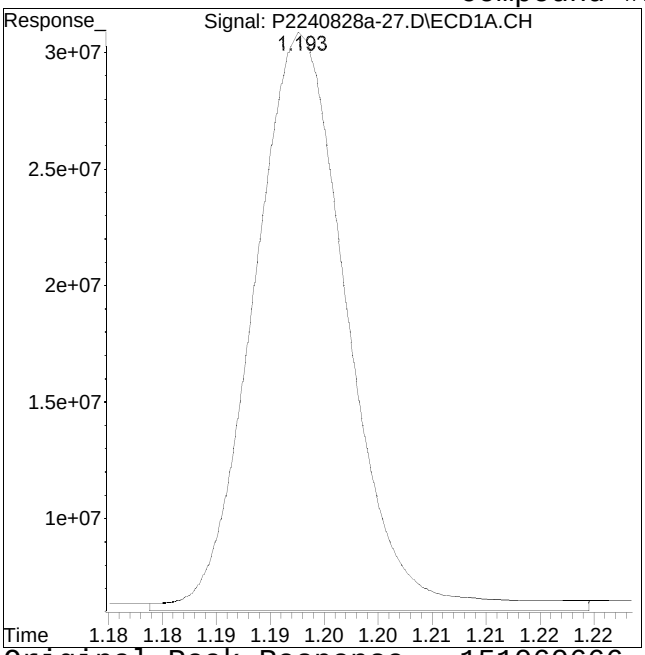
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

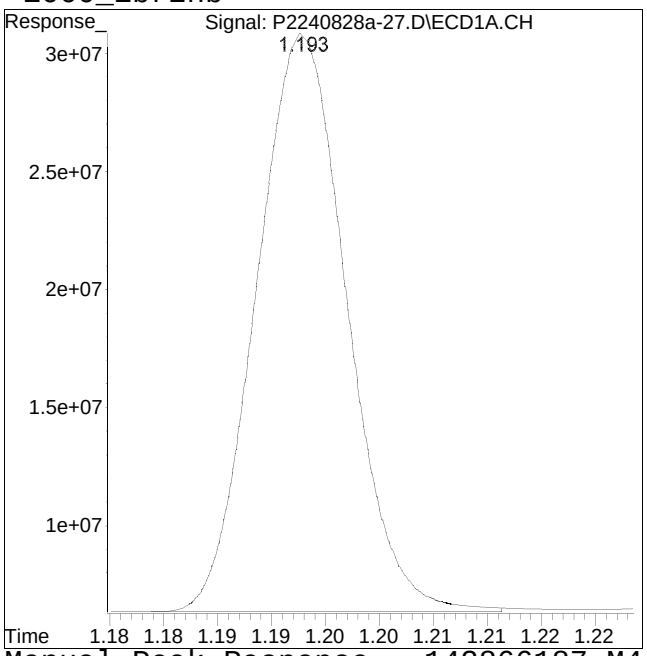


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #1: 1660_1br2nb



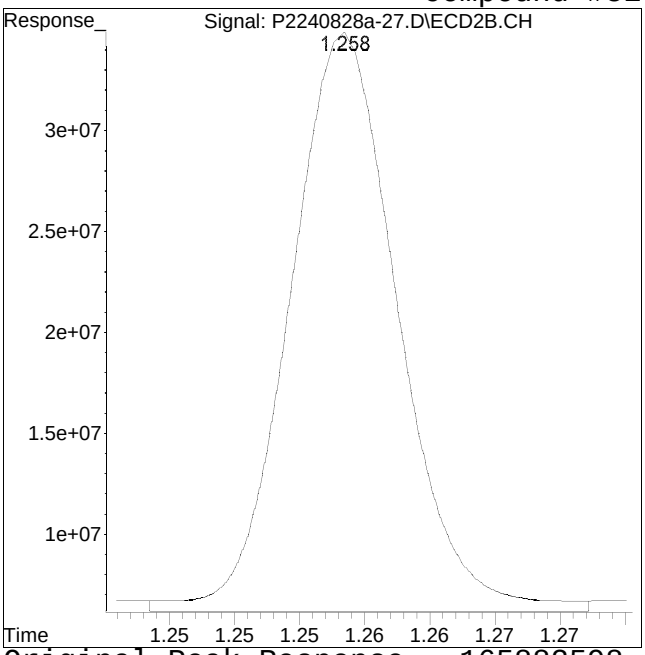


Original Peak Response = 151060666 Manual Peak Response = 142866187 M4
M4 = Poor automated baseline construction.

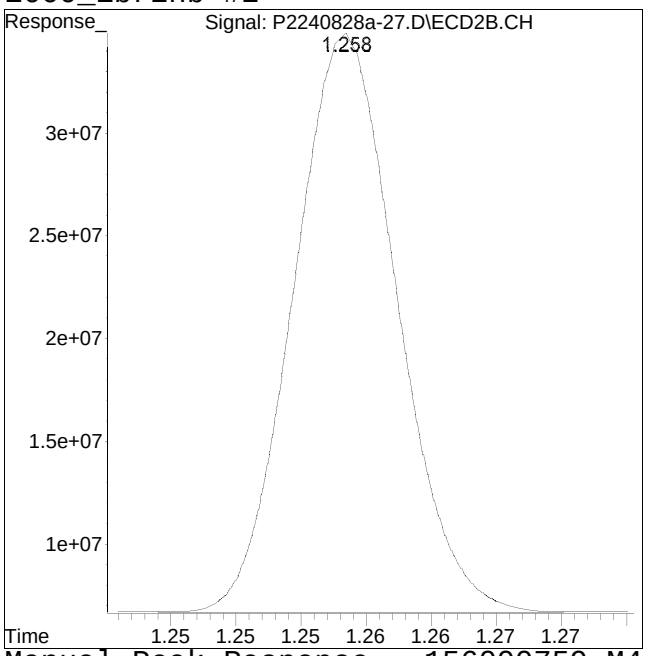
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 165882598



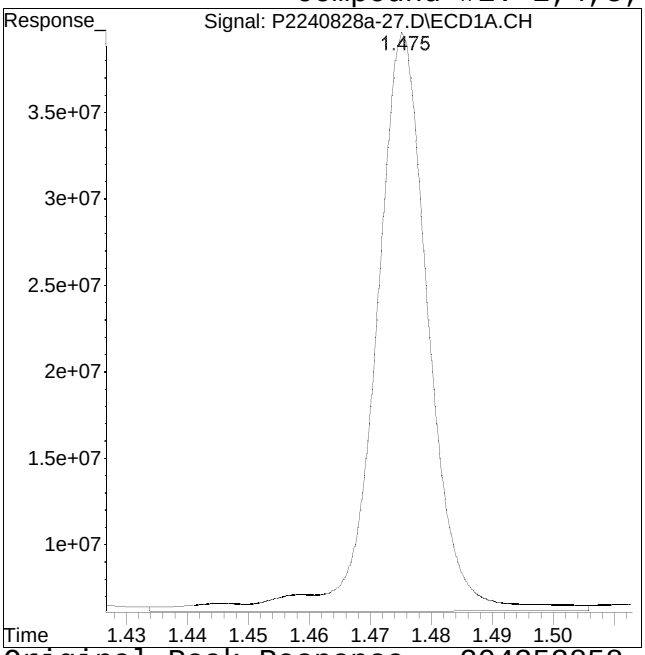
Manual Peak Response = 156000759 M4

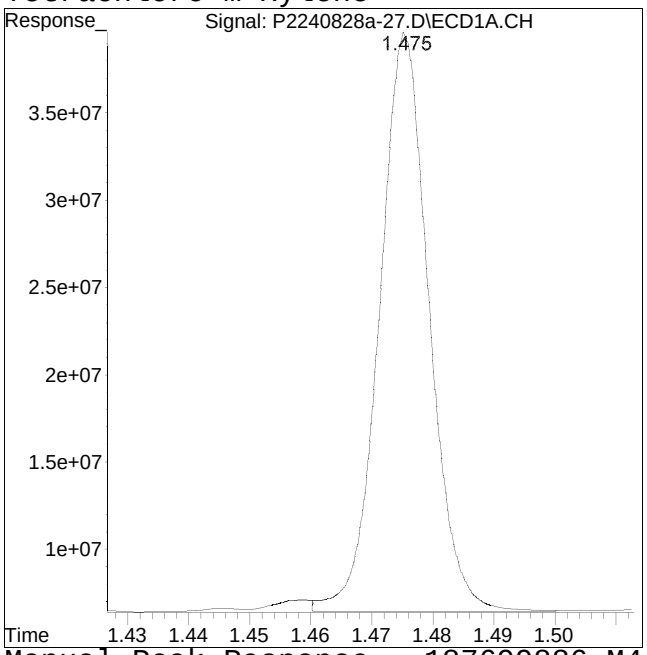
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



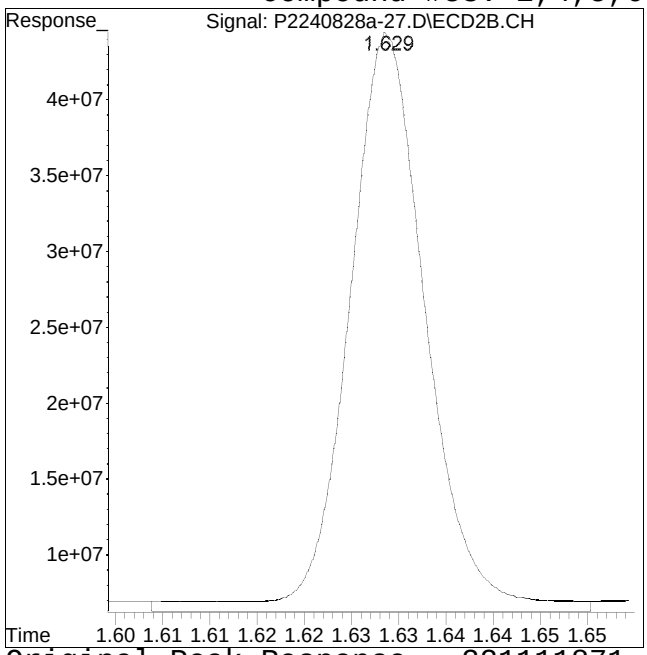


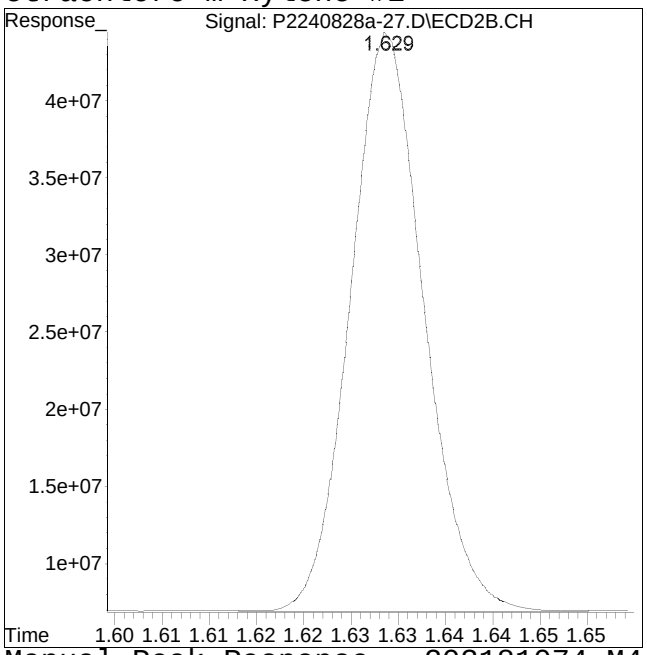
Original Peak Response = 204353858 Manual Peak Response = 187699886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



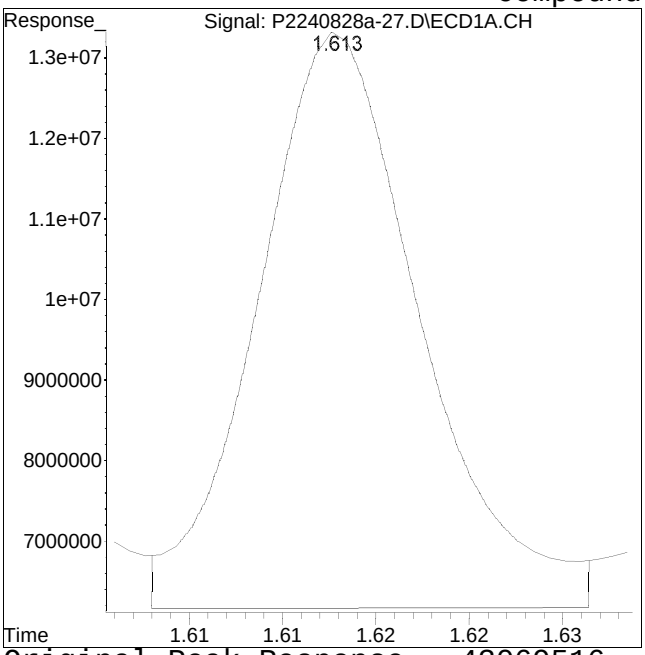


Original Peak Response = 221111871 Manual Peak Response = 203181074 M4
M4 = Poor automated baseline construction.

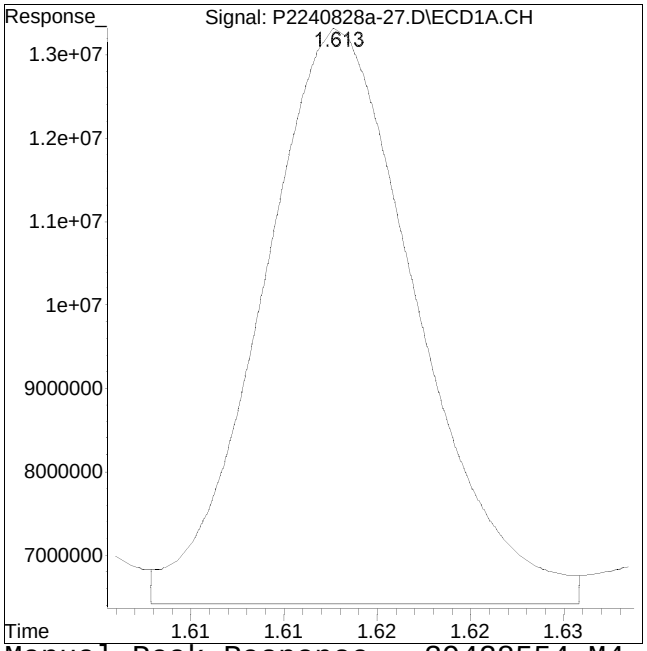
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #4: 1016-1



Original Peak Response = 43069516



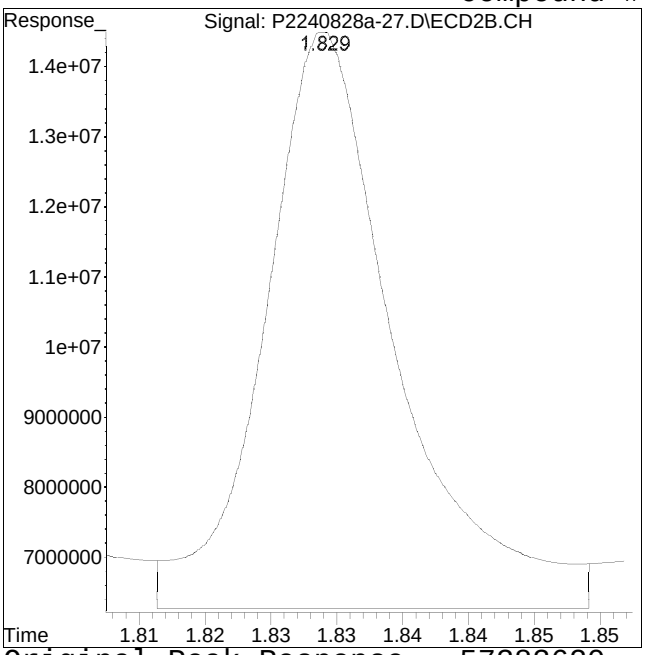
Manual Peak Response = 39428554 M4

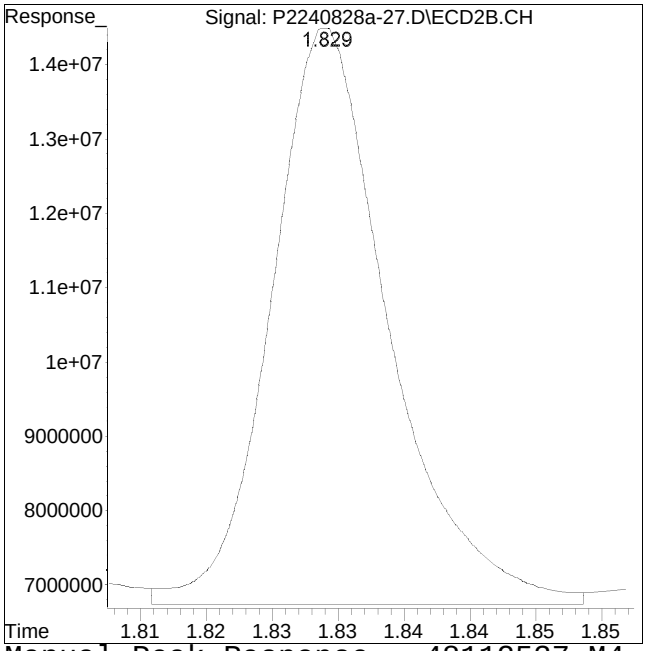
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #55: 1016-1 #2



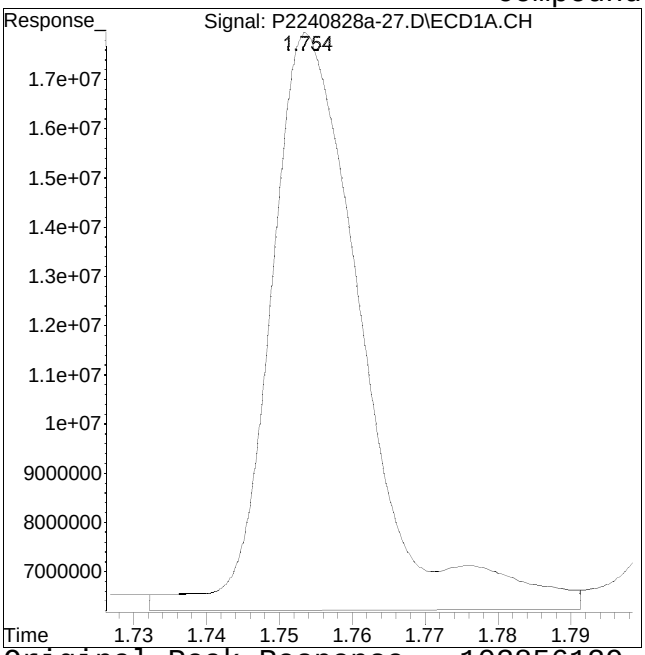


Original Peak Response = 57383620 Manual Peak Response = 48112537 M4
M4 = Poor automated baseline construction.

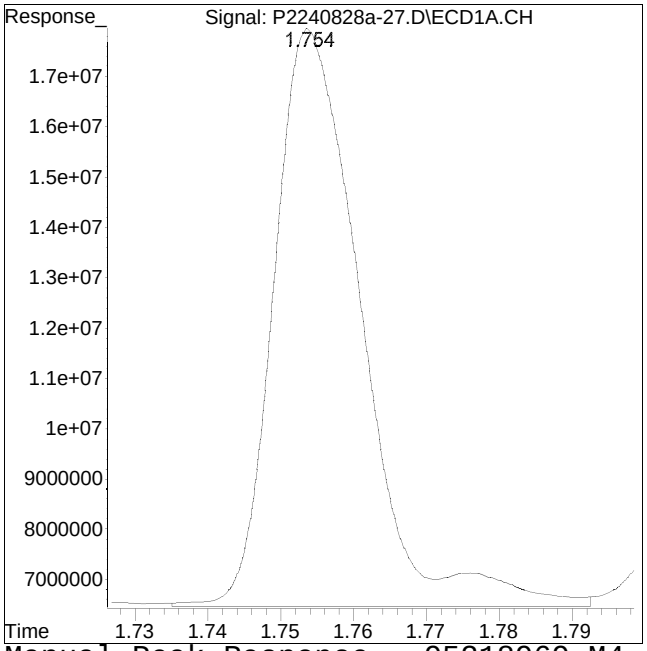
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #5: 1016-2



Original Peak Response = 103856129



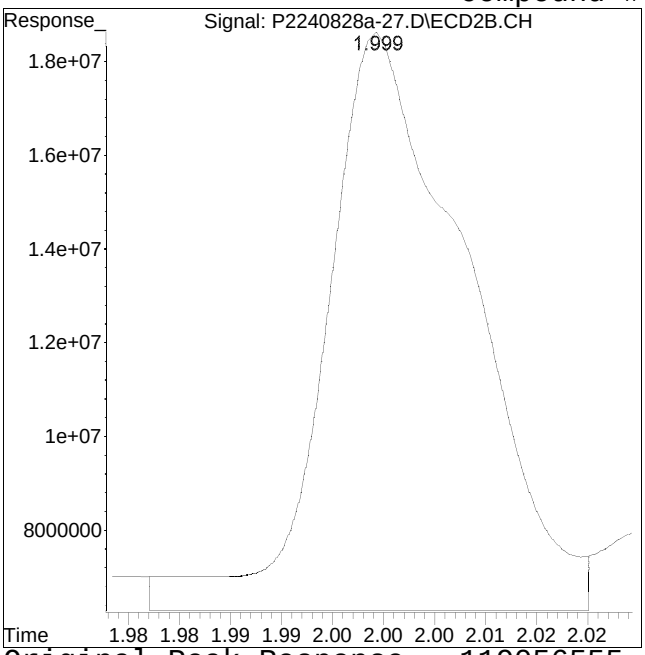
Manual Peak Response = 95218969 M4

M4 = Poor automated baseline construction.

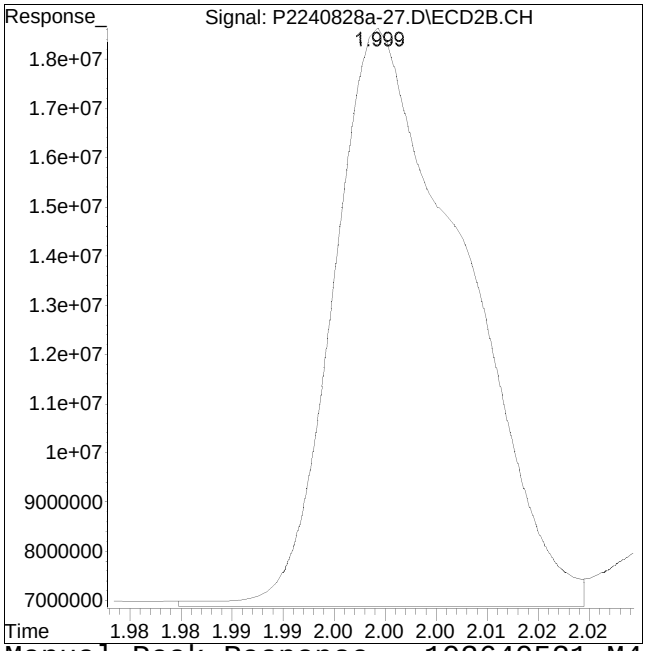
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #56: 1016-2 #2



Original Peak Response = 119056555



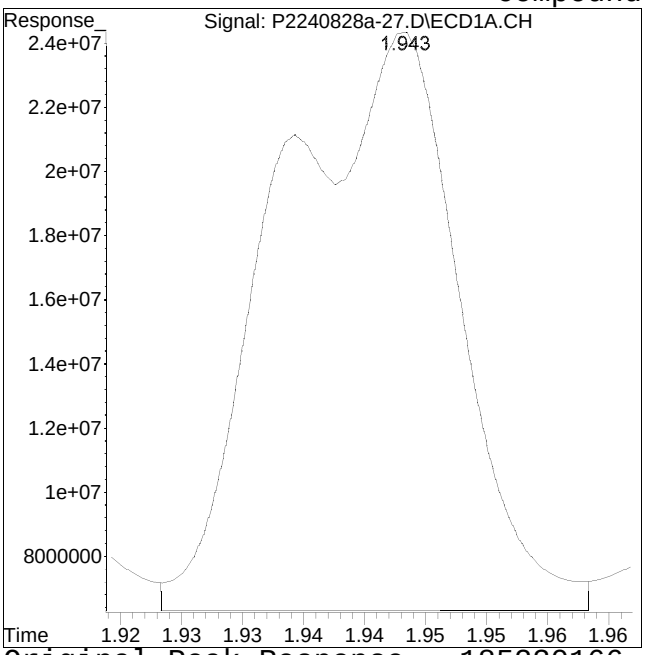
Manual Peak Response = 103640521 M4

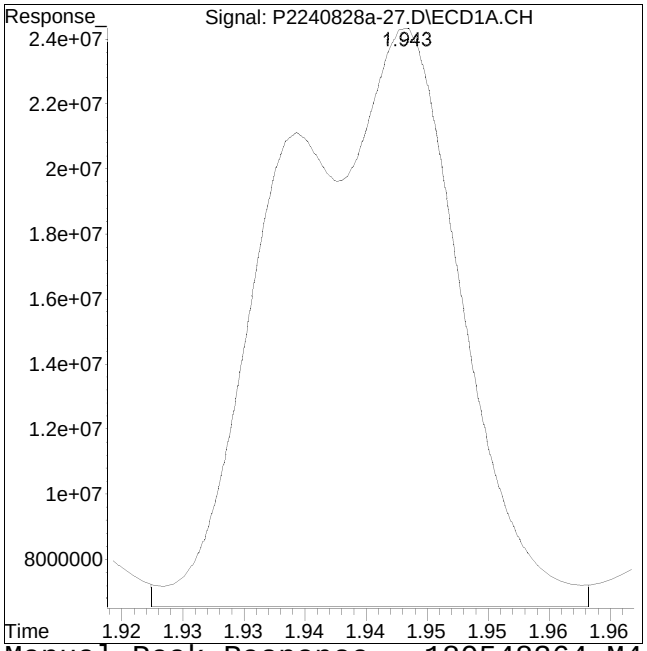
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #6: 1016-3



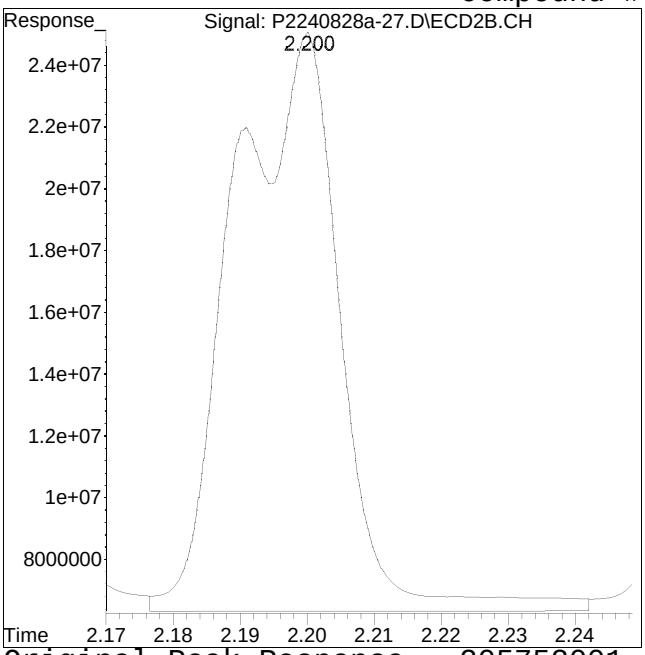


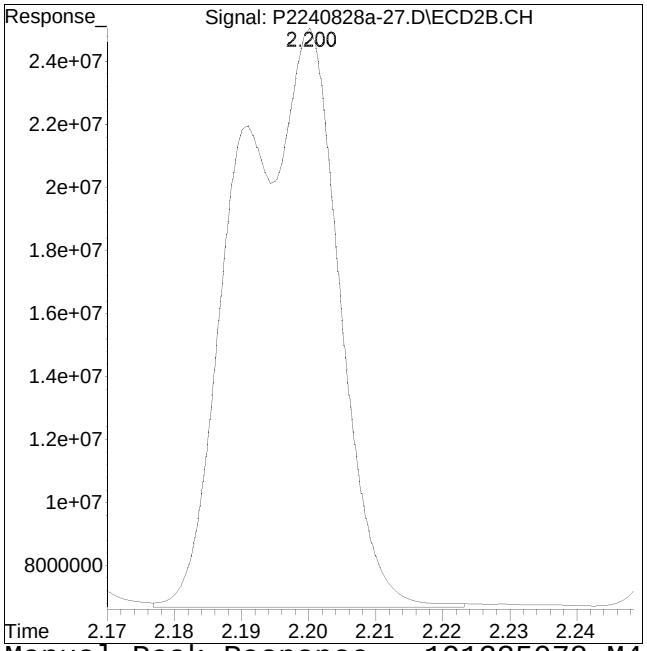
Original Peak Response = 185230166 Manual Peak Response = 180548364 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #57: 1016-3 #2



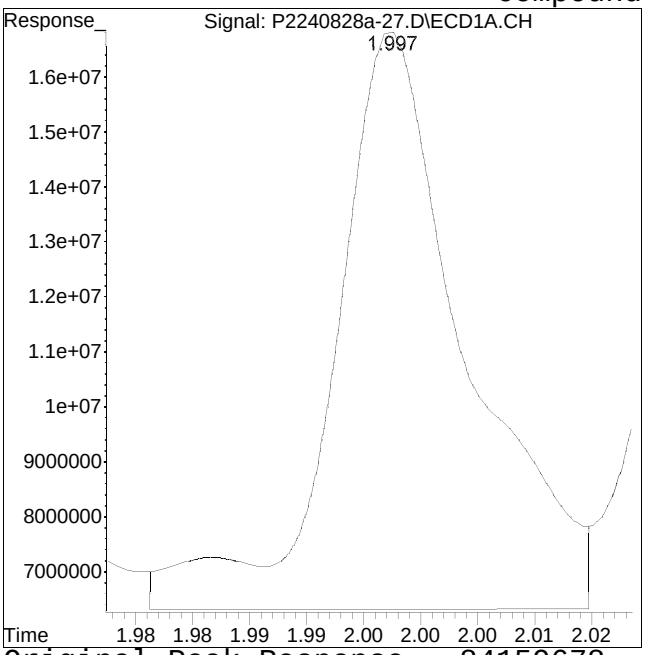


Original Peak Response = 205752001 Manual Peak Response = 191335078 M4
M4 = Poor automated baseline construction.

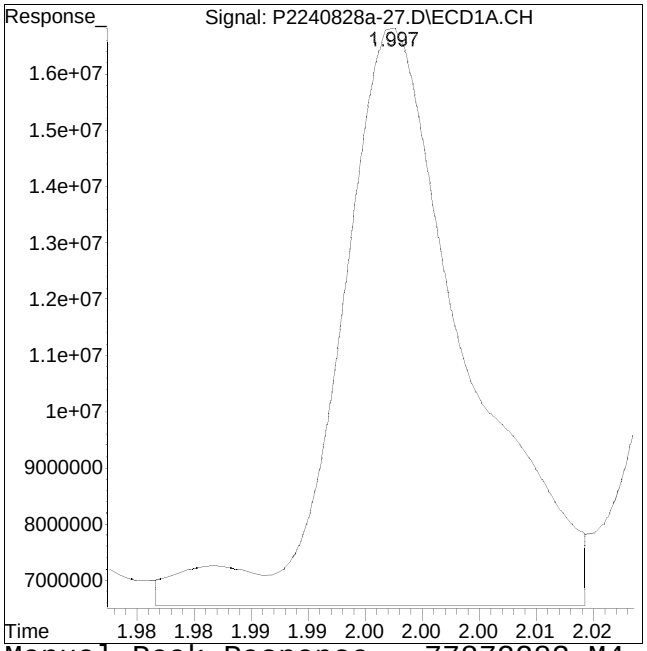
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #7: 1016-4



Original Peak Response = 84159678



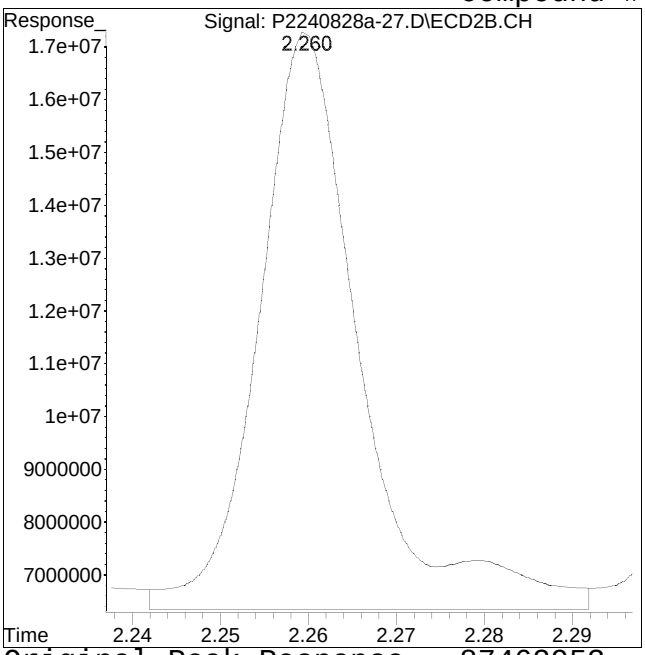
Manual Peak Response = 77872283 M4

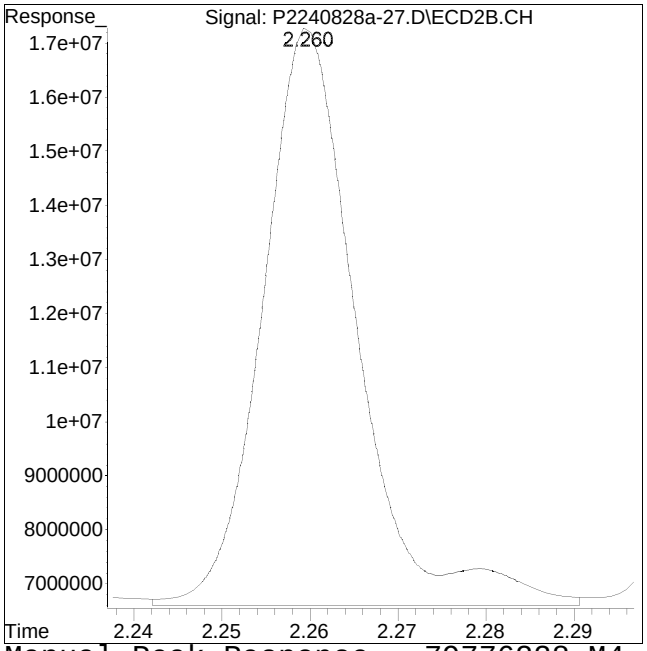
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #58: 1016-4 #2



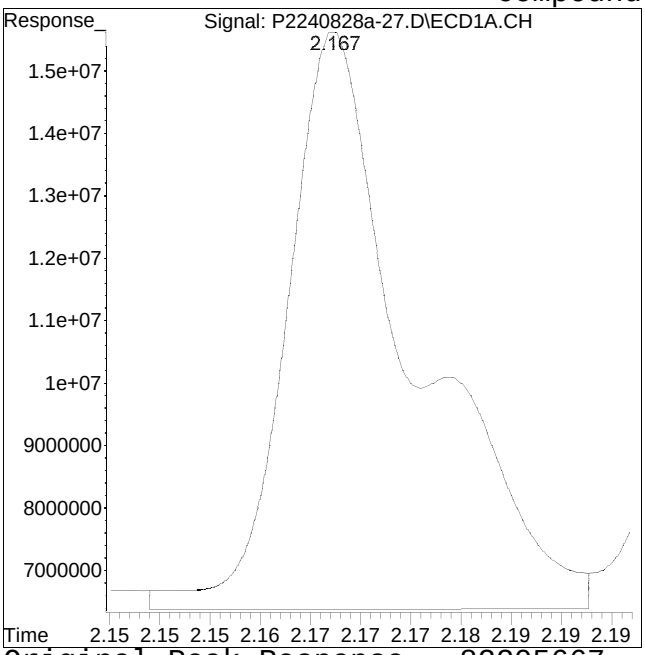


Original Peak Response = 87462953 Manual Peak Response = 79776228 M4
M4 = Poor automated baseline construction.

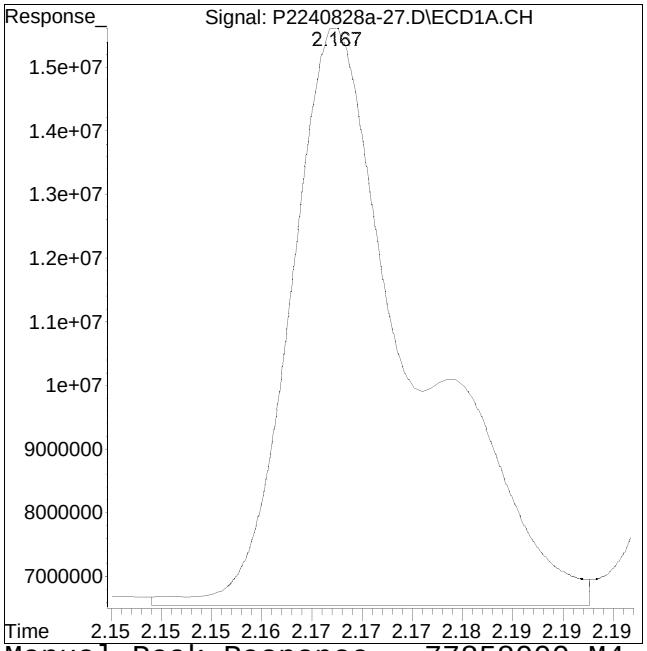
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #8: 1016-5



Original Peak Response = 82205667



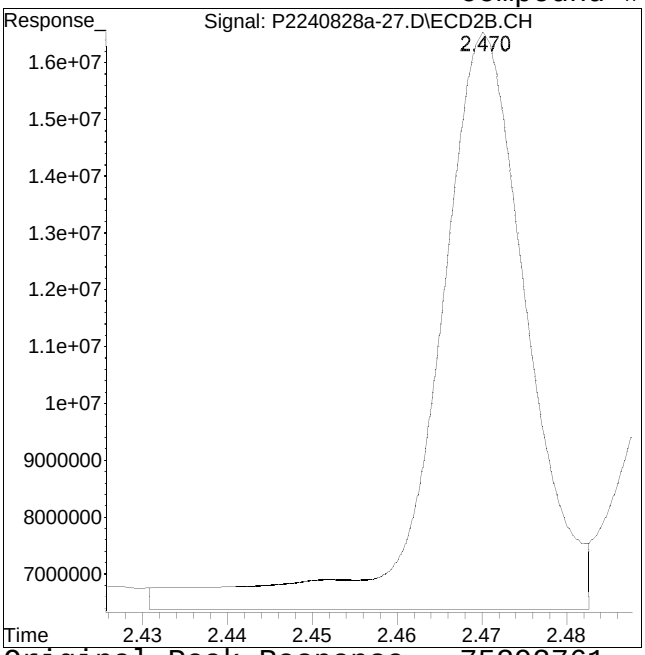
Manual Peak Response = 77858000 M4

M4 = Poor automated baseline construction.

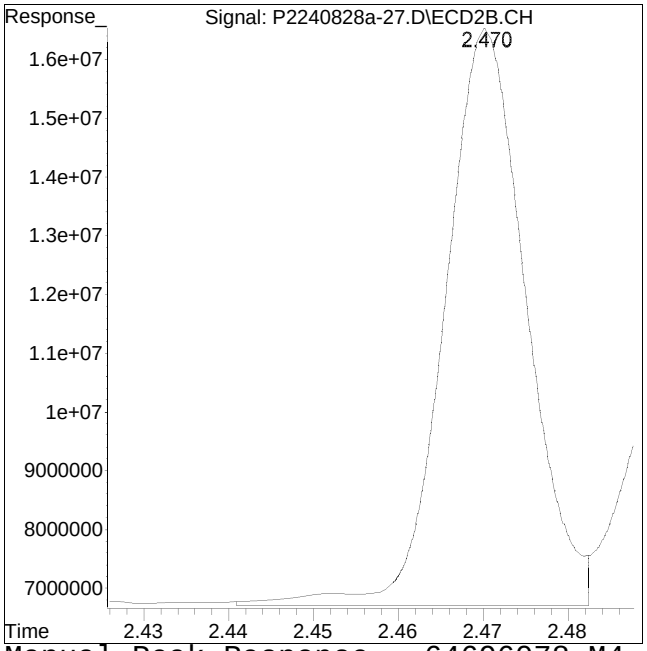
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #59: 1016-5 #2



Original Peak Response = 75292761



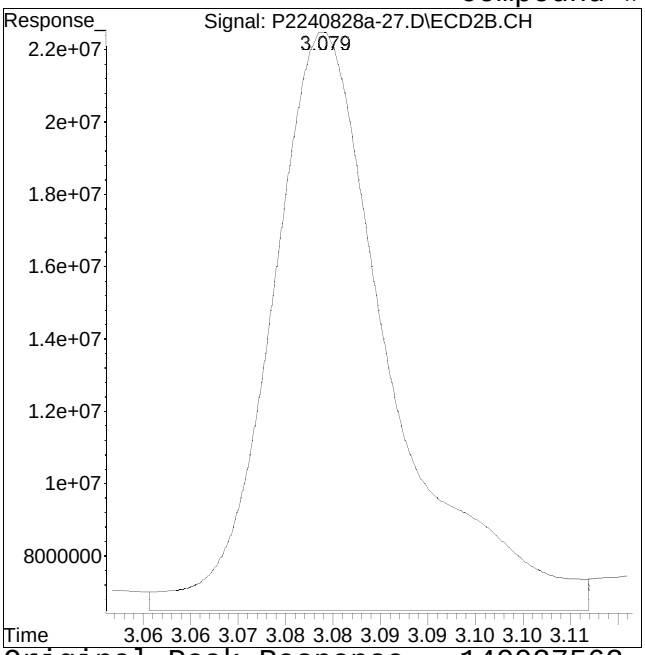
Manual Peak Response = 64696078 M4

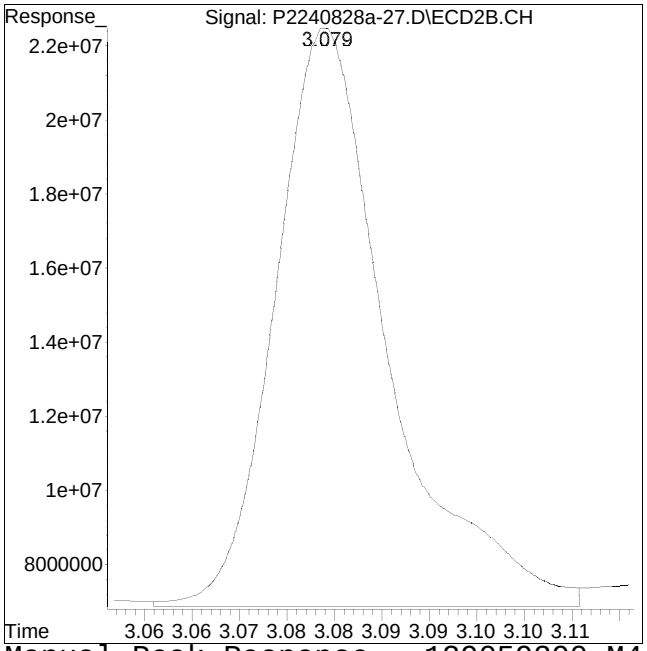
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #60: 1260-1 #2



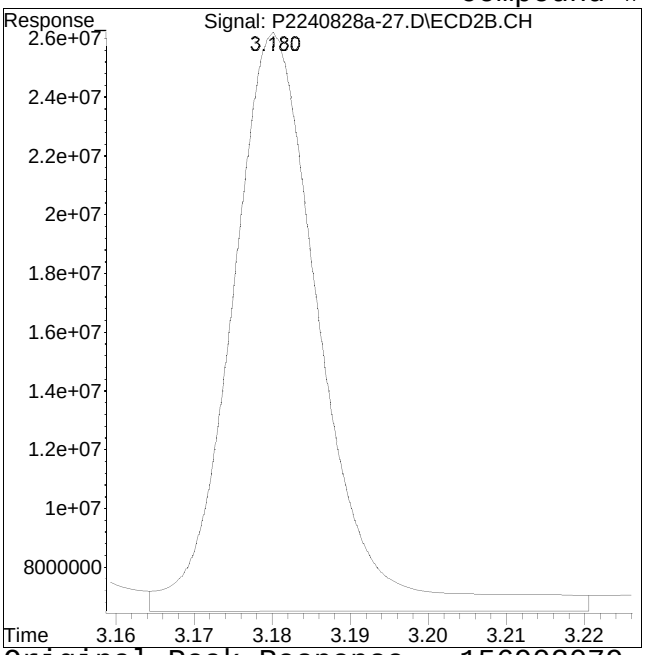


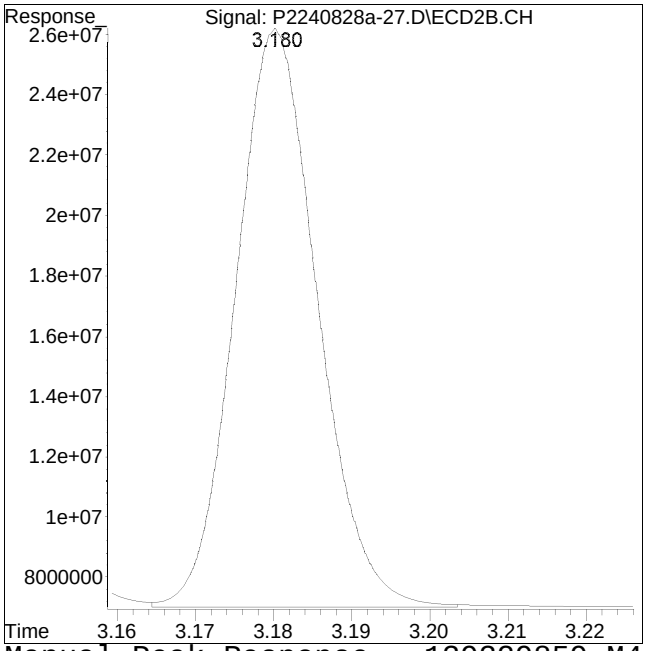
Original Peak Response = 140027562 Manual Peak Response = 129059290 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #61: 1260-2 #2



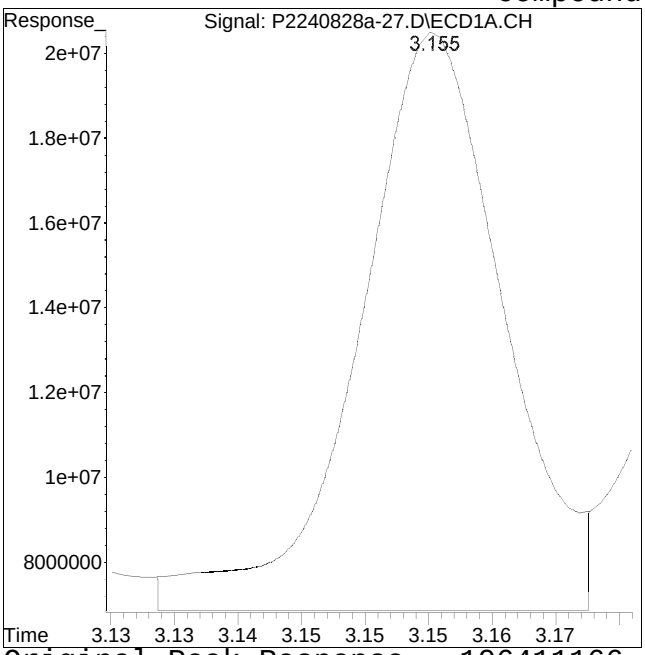


Original Peak Response = 156902079 Manual Peak Response = 139329859 M4
M4 = Poor automated baseline construction.

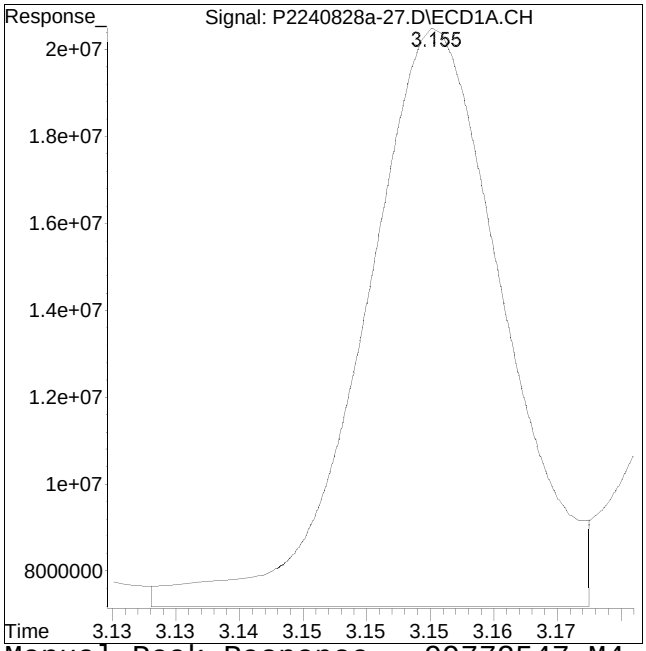
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #11: 1260-3



Original Peak Response = 106411166



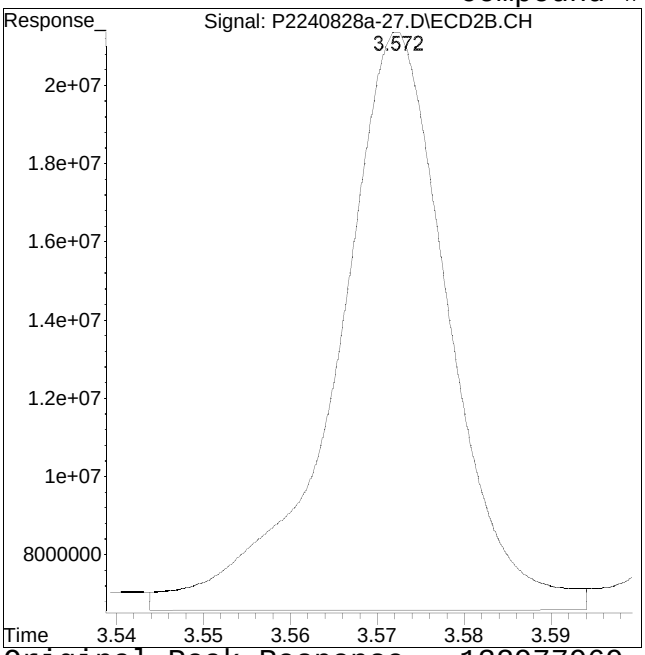
Manual Peak Response = 99772547 M4

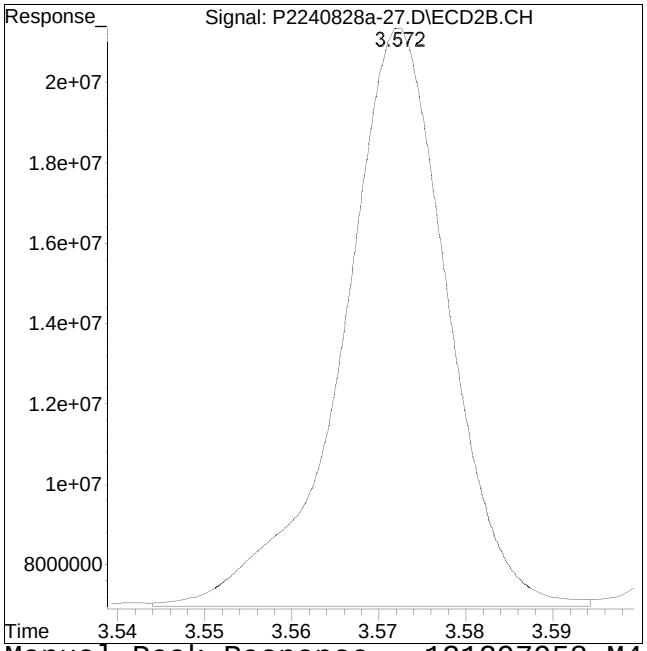
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #62: 1260-3 #2





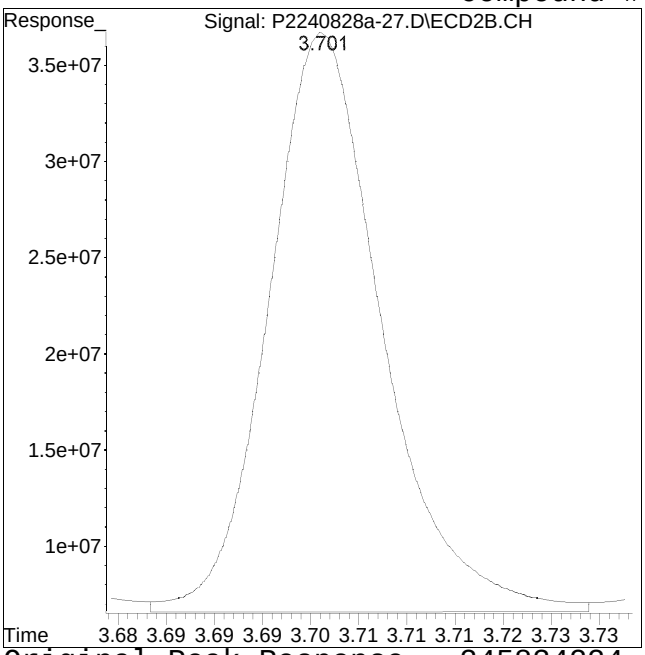
Original Peak Response = 132977969 Manual Peak Response = 121297958 M4
M4 = Poor automated baseline construction.

Manual Integration Report

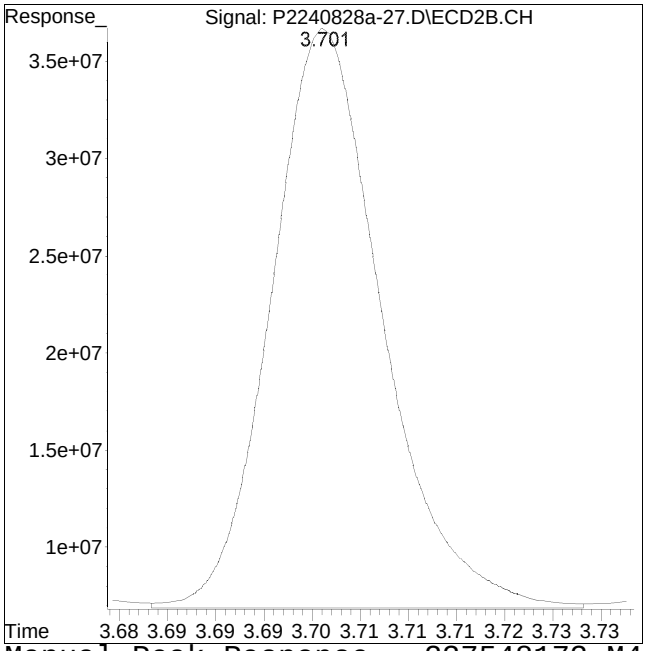
Data Path : I:\PCB\Pest2\2024\240828a\
Data File : P2240828a-27.D
Date Inj'd : 8/28/2024 10:41
Sample : WG1964696-3,42,,

QMethod : P2_pcb_08_13_24_LVI_4ppb
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 8/28/2024 11:03 am

Compound #63: 1260-4 #2



Original Peak Response = 245834224



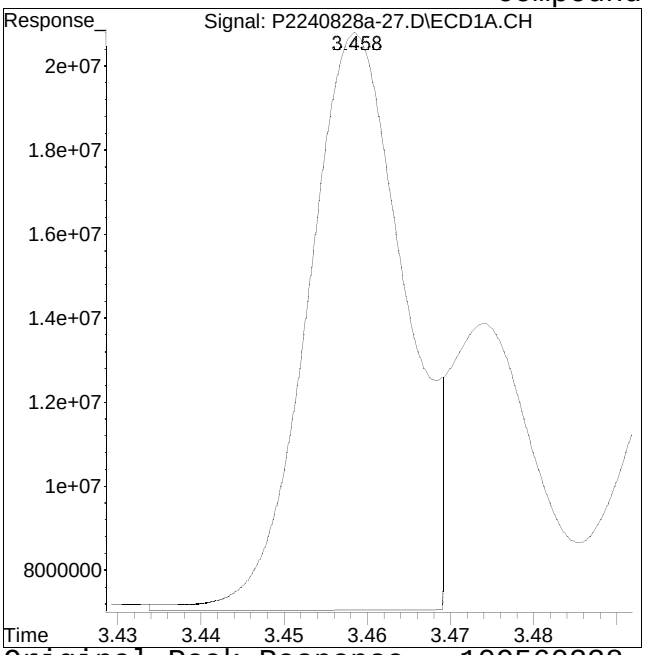
Manual Peak Response = 237548173 M4

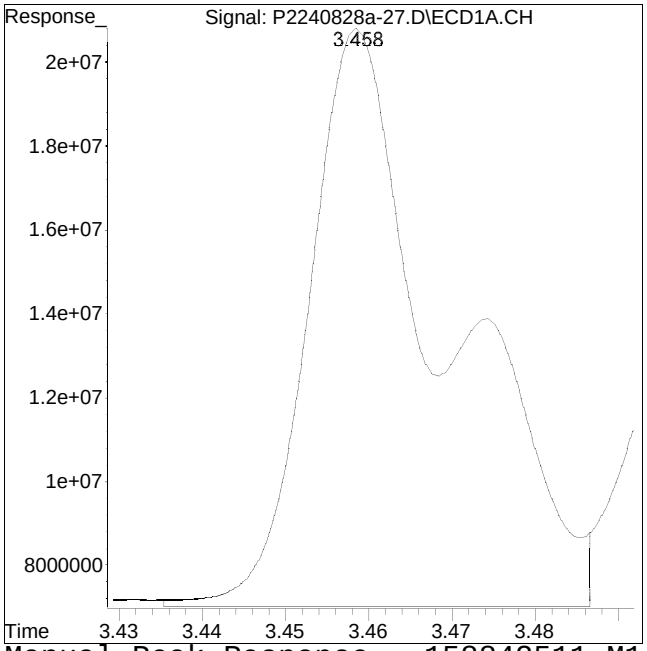
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #13: 1260-5



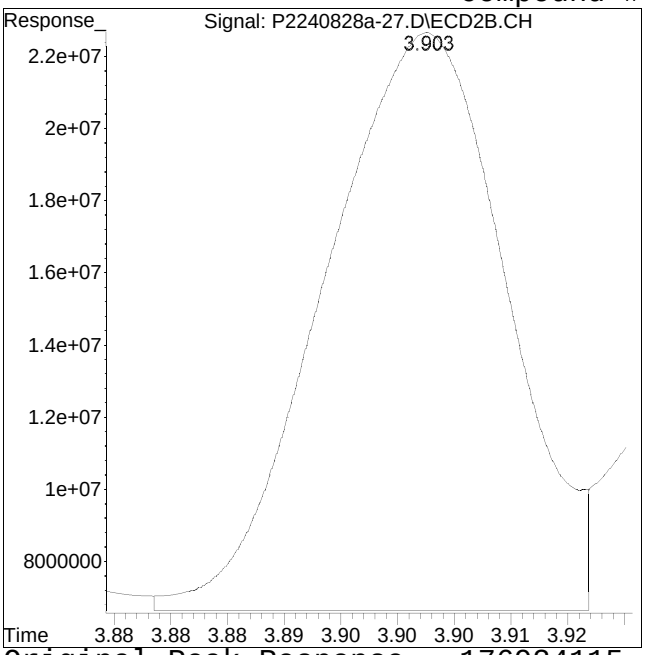


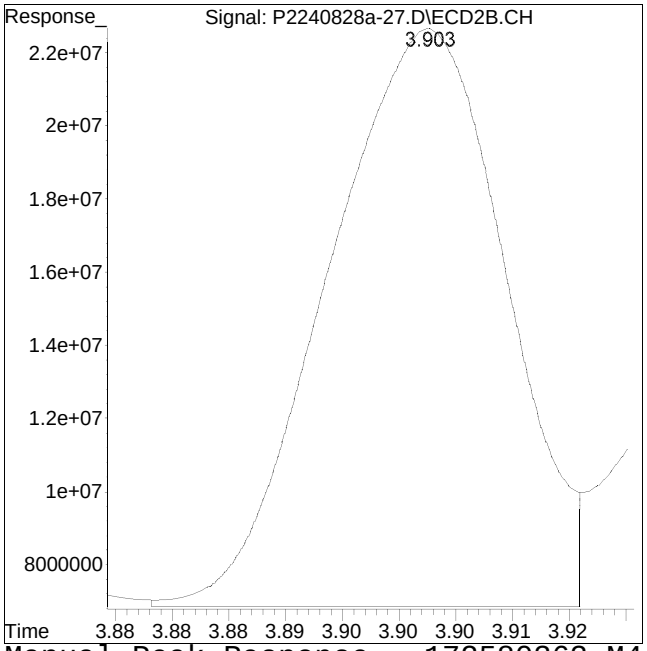
Original Peak Response = 109560338 Manual Peak Response = 158842511 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-27.D Operator : pest2:meo
Date Inj'd : 8/28/2024 10:41 Instrument : Pest 2
Sample : WG1964696-3,42,, Quant Date : 8/28/2024 11:03 am

Compound #64: 1260-5 #2





Original Peak Response = 176924115 Manual Peak Response = 172580363 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-45.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:20
Operator : pest2:meo
Sample : WG1965202-3,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:11 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.192	1.258	184.4E6	183.2E6	25.000M4	25.000M4
Standard Area 1 : #1 = 191409127				Recovery =	96.32%	
Standard Area 1 : #2 = 190535960				Recovery =	96.17%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.628	203.7E6	221.7E6	17.153M4	20.020M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	85.76%	100.10%
3) s Decachlorobi	4.040	4.548	174.1E6	164.4E6	20.101	22.235
Spiked Amount	20.000	Range 30 - 150		Recovery =	100.51%	111.18%
Target Compounds						
4) l1 1016-1	1.612	1.826	43478421	51470909	204.360M4	253.649M4
5) l1 1016-2	1.753	1.997	109.3E6	112.7E6	272.028	255.125M4
6) l1 1016-3	1.941	2.198	200.2E6	225.3E6	219.846	255.689
7) l1 1016-4	1.996	2.258	89796412	93600220	240.871	252.273
8) l1 1016-5	2.166	2.468	87970833	72288586	200.777M4	268.297M4
Sum 1016-1			530.8E6	555.3E6	1137.882	1285.034
Average 1016-1					227.576	257.007
9) l2 1260-1	2.708	3.077	122.6E6	141.1E6	215.749	283.881M4
10) l2 1260-2	2.838	3.179	185.1E6	153.8E6	219.147	237.844M4
11) l2 1260-3	3.154	3.570	119.3E6	136.1E6	230.663	260.149
12) l2 1260-4	3.309	3.699	253.5E6	266.0E6	228.782	257.114
13) l2 1260-5	3.456	3.900	187.4E6	193.0E6	228.256M1	253.182
Sum 1260-1			867.9E6	890.1E6	1122.597	1292.170
Average 1260-1					224.519	258.434
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-45.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:20
Operator : pest2:meo
Sample : WG1965202-3,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:11 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240829a\P2240829a-39.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

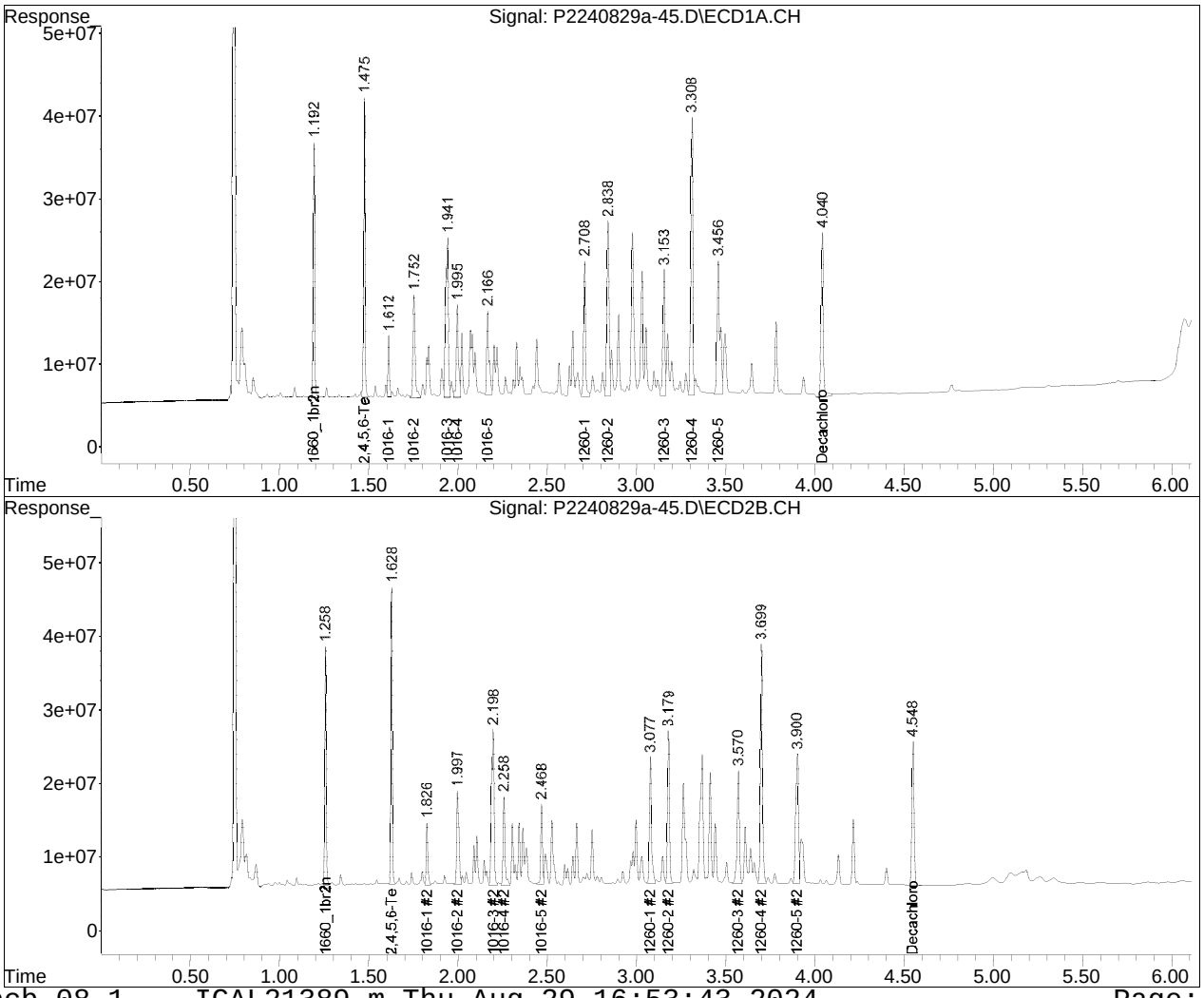
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240829a\P2240829a-39.D•

Data Path : I:\PCB\Pest2\2024\240829a\
Data File : P2240829a-45.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 29 Aug 2024 16:20
Operator : pest2:meo
Sample : WG1965202-3,42,,
Misc : WG1965377,WG1965202,ical21389
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 16:33:11 2024
Quant Method : I:\PCB\Pest2\2024\240829A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

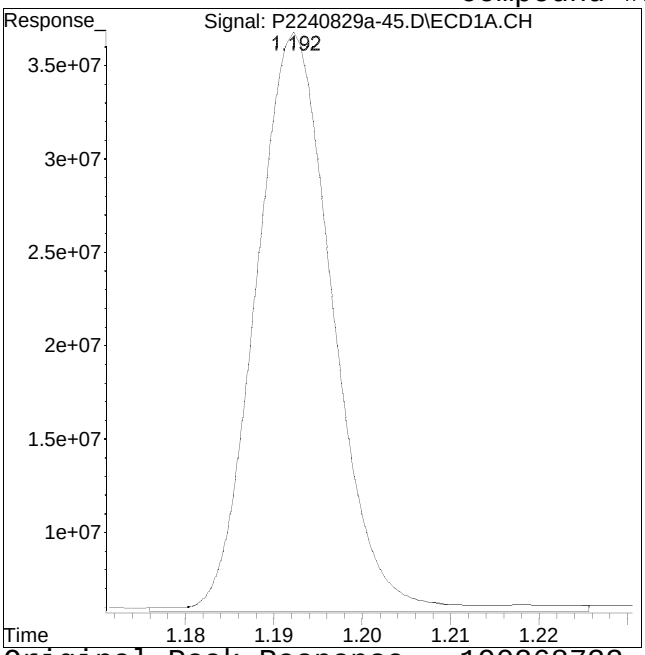
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

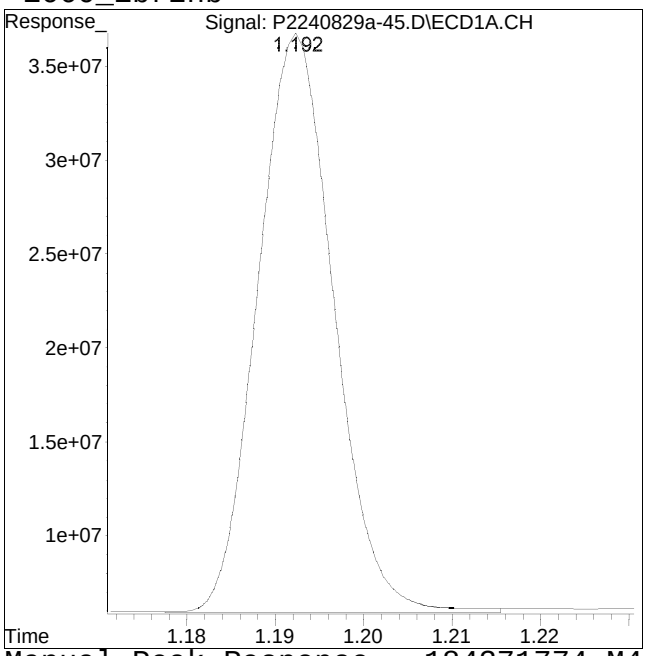


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #1: 1660_1br2nb



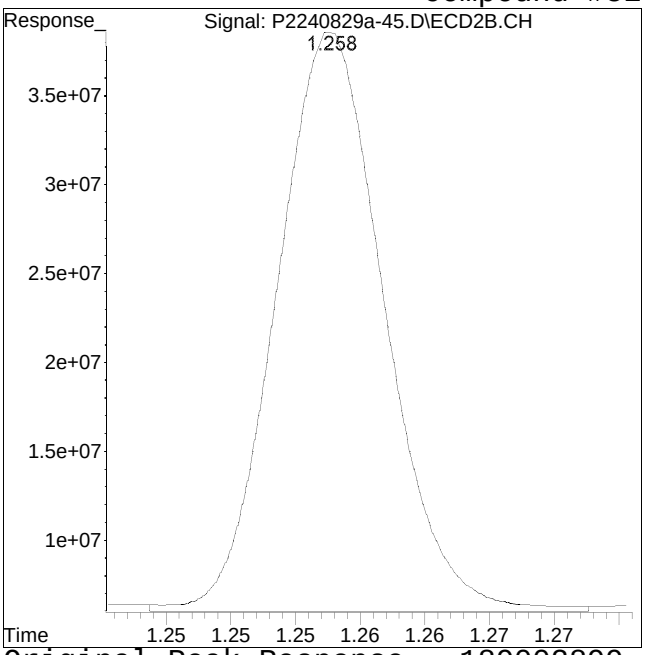


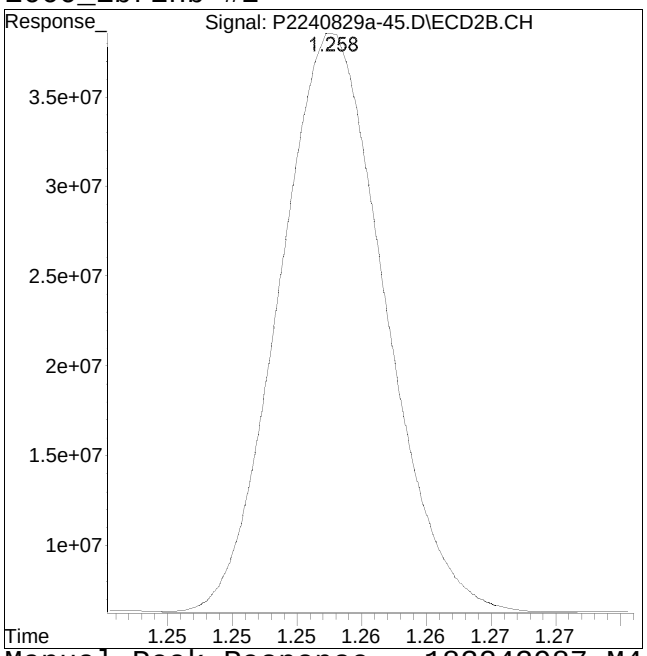
Original Peak Response = 190268733 Manual Peak Response = 184371774 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #52: 1660_1br2nb #2



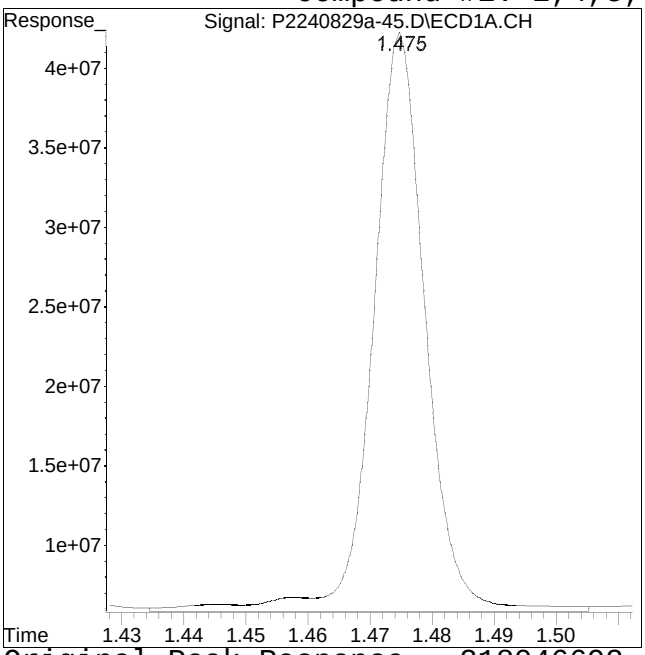


Original Peak Response = 189002899 Manual Peak Response = 183243987 M4
M4 = Poor automated baseline construction.

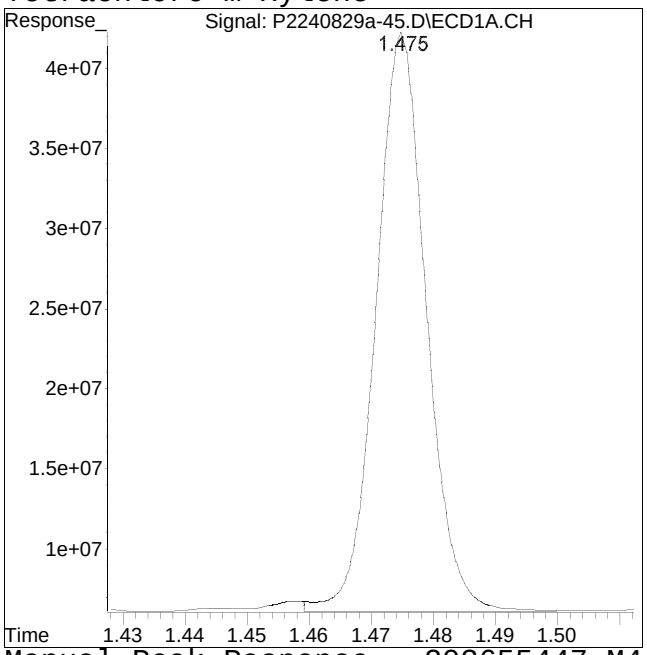
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 218046692



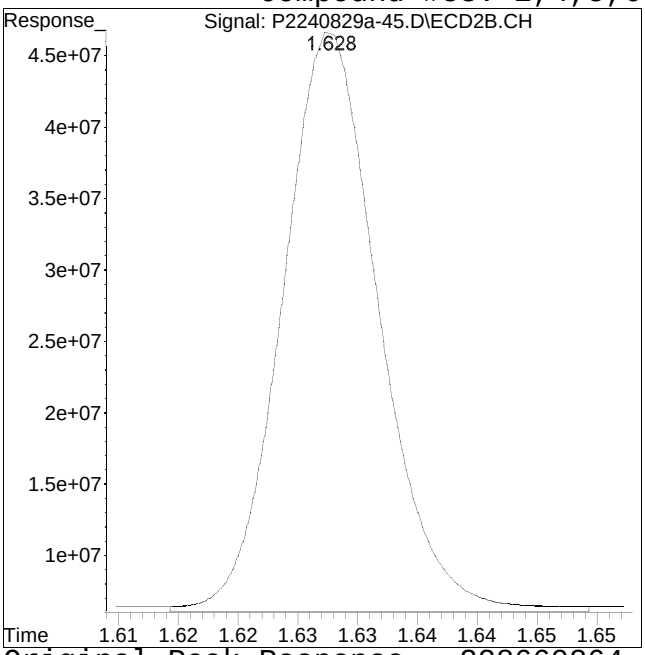
Manual Peak Response = 203655447 M4

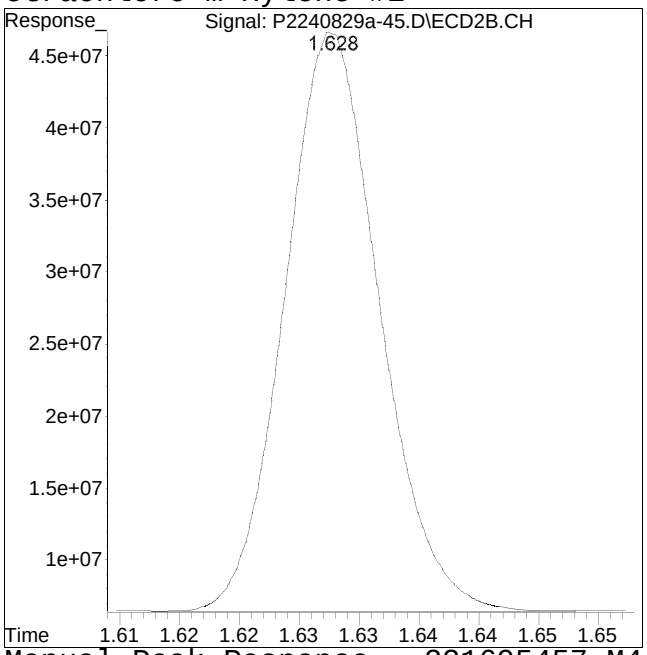
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



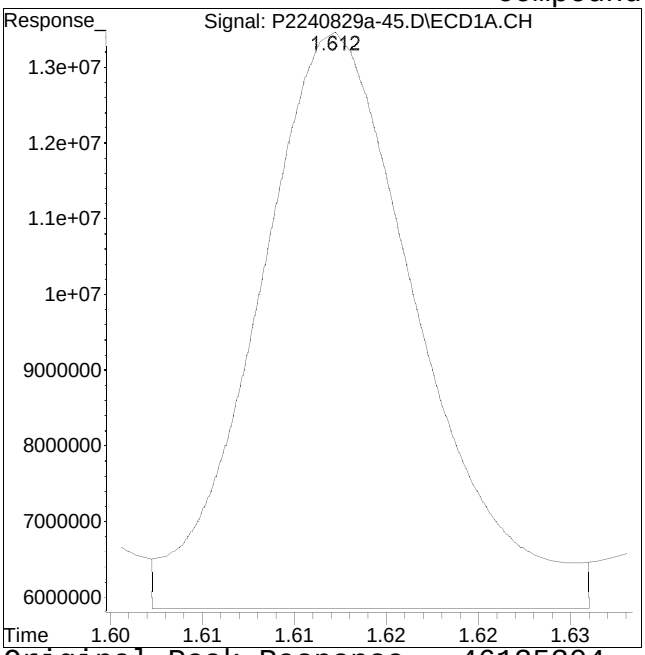


Original Peak Response = 228660264 Manual Peak Response = 221695457 M4
M4 = Poor automated baseline construction.

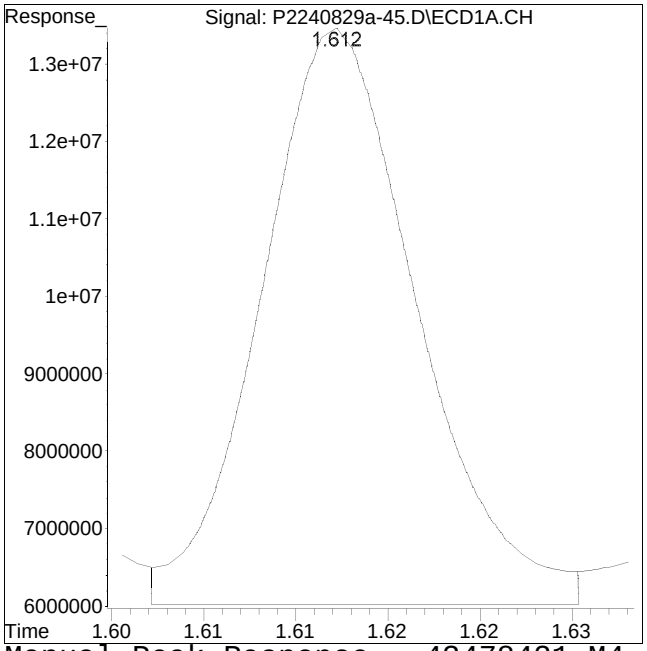
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #4: 1016-1



Original Peak Response = 46135304



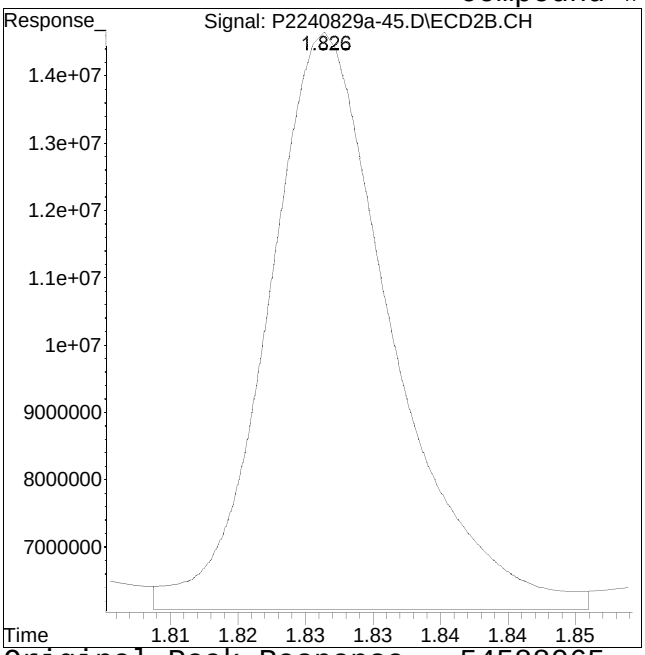
Manual Peak Response = 43478421 M4

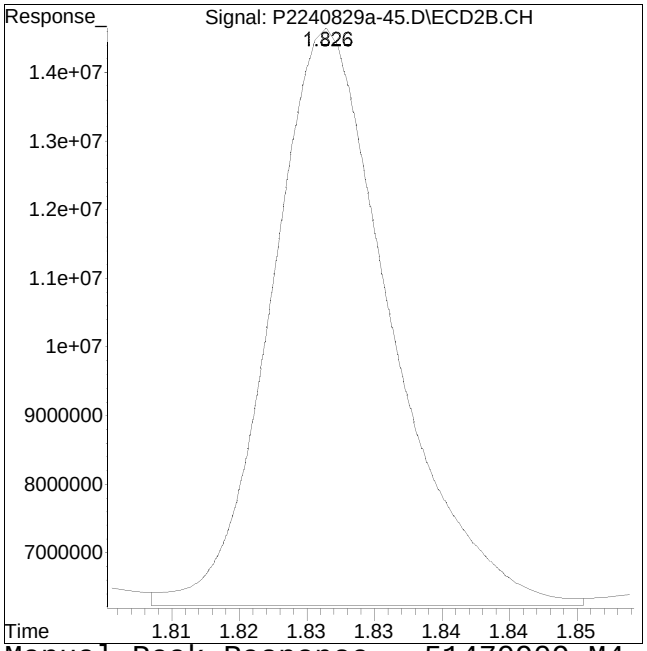
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #55: 1016-1 #2



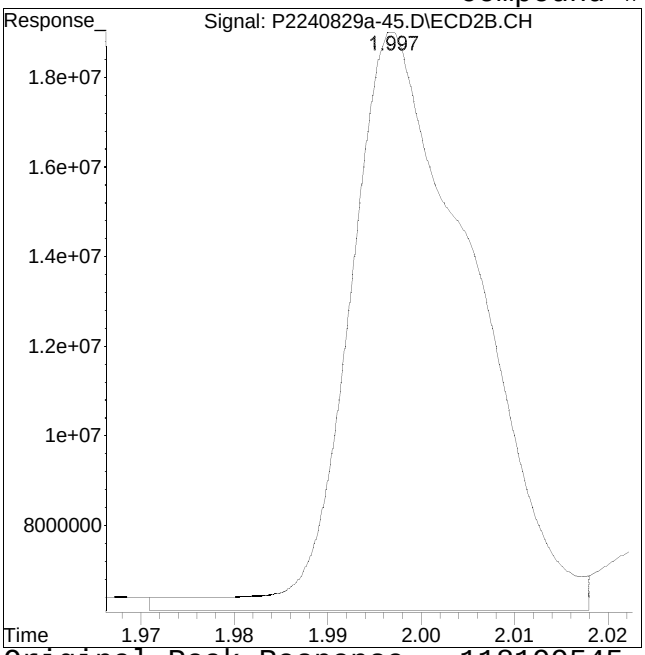


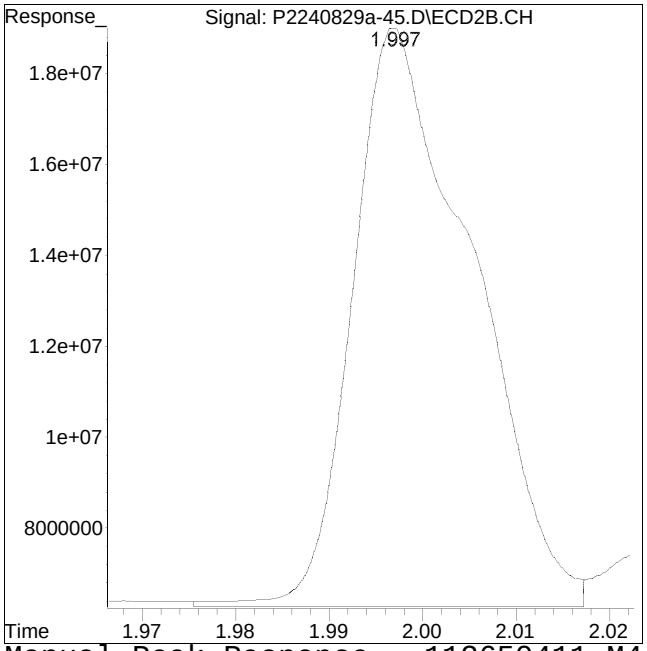
Original Peak Response = 54588065 Manual Peak Response = 51470909 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #56: 1016-2 #2



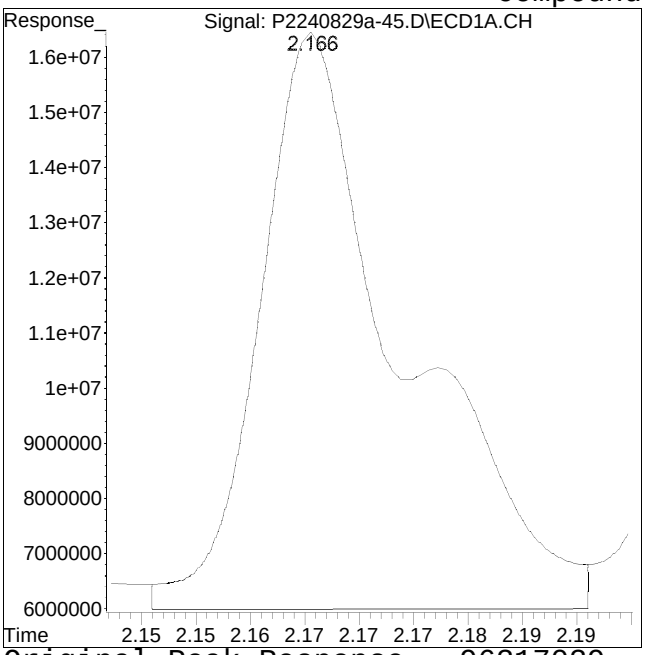


Original Peak Response = 118199545 Manual Peak Response = 112650411 M4
M4 = Poor automated baseline construction.

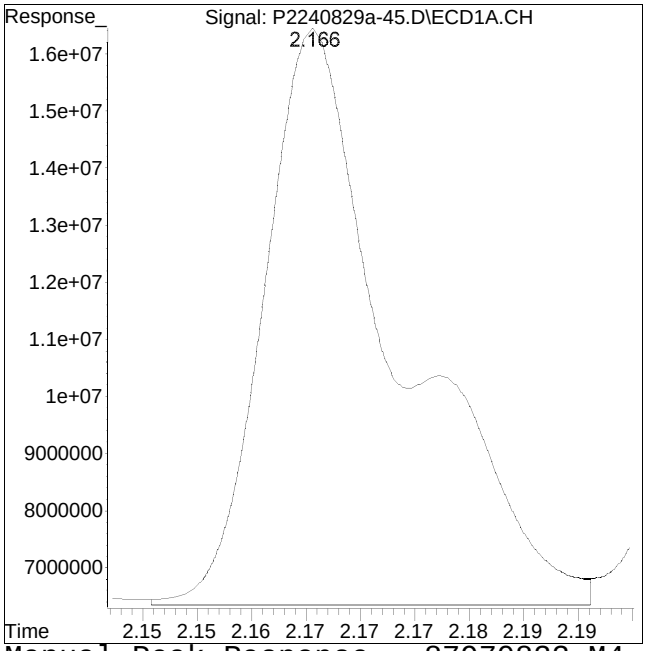
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #8: 1016-5



Original Peak Response = 96317039



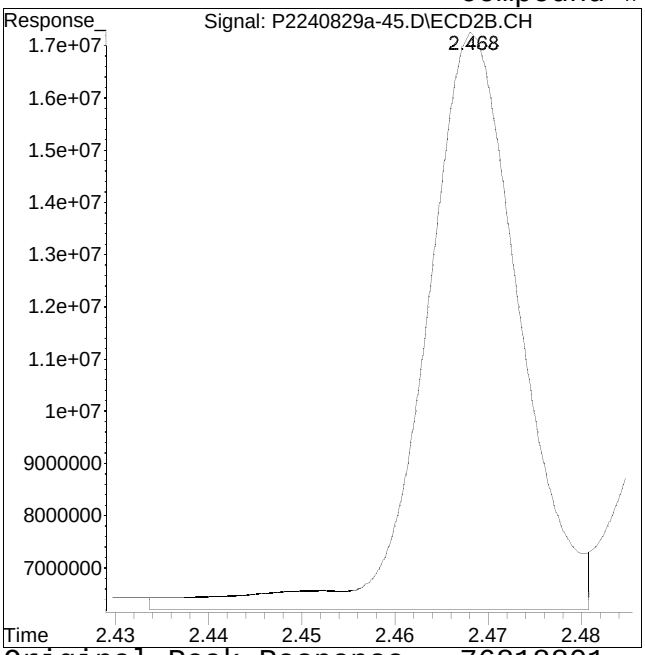
Manual Peak Response = 87970833 M4

M4 = Poor automated baseline construction.

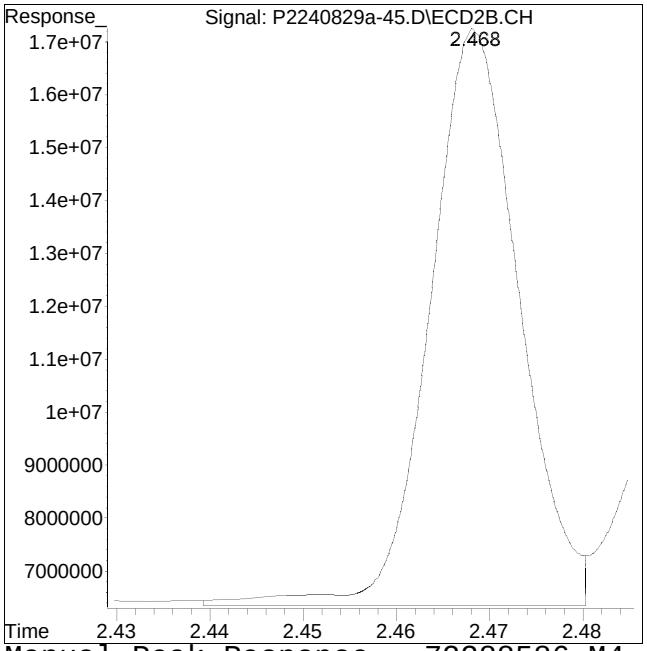
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #59: 1016-5 #2



Original Peak Response = 76818801



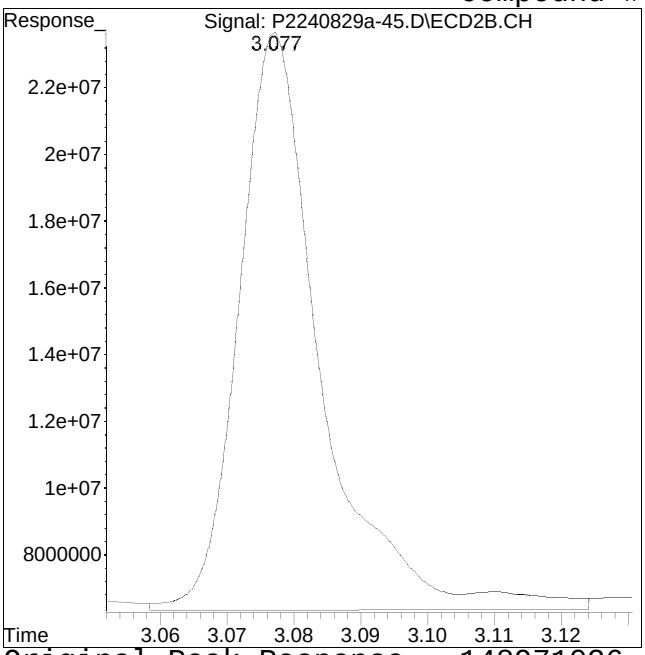
Manual Peak Response = 72288586 M4

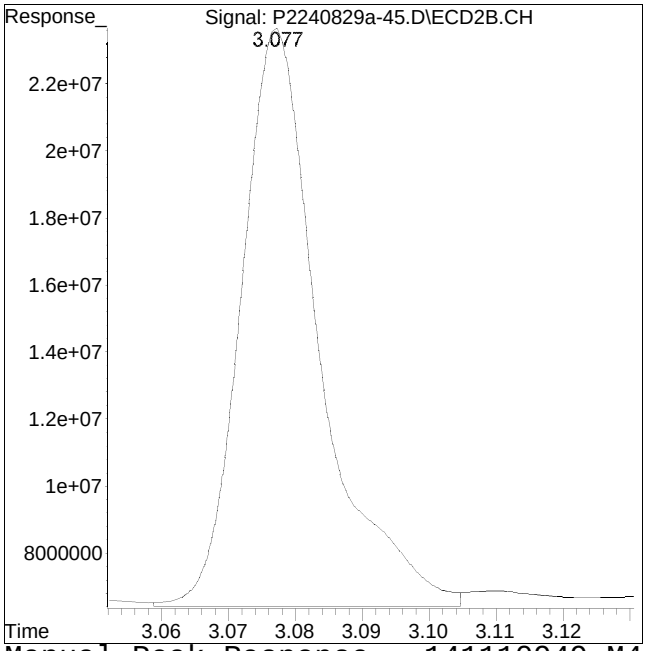
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #60: 1260-1 #2



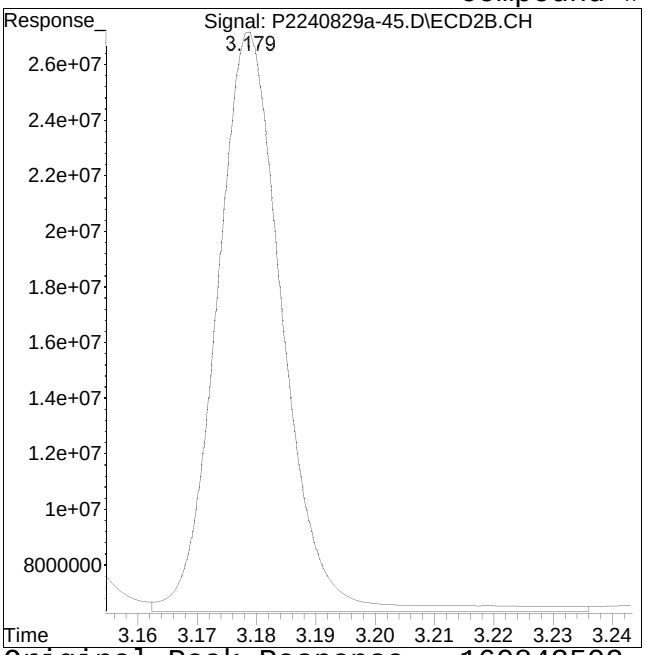


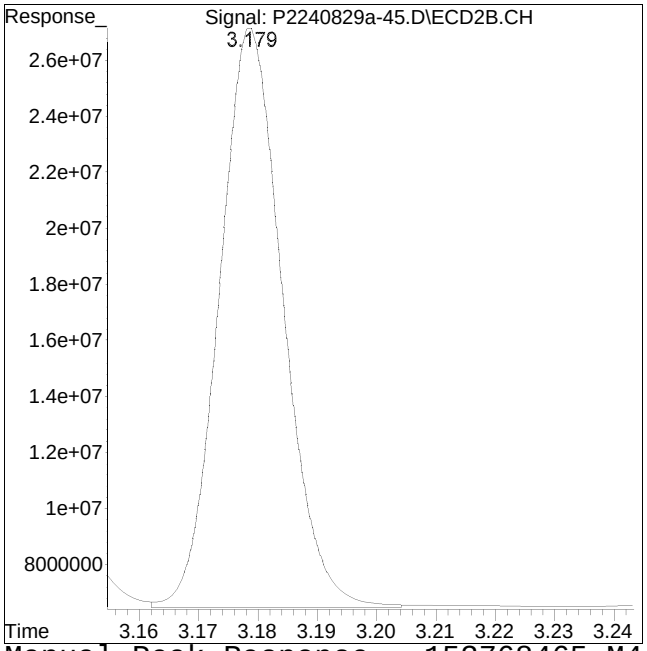
Original Peak Response = 148971026 Manual Peak Response = 141110949 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #61: 1260-2 #2



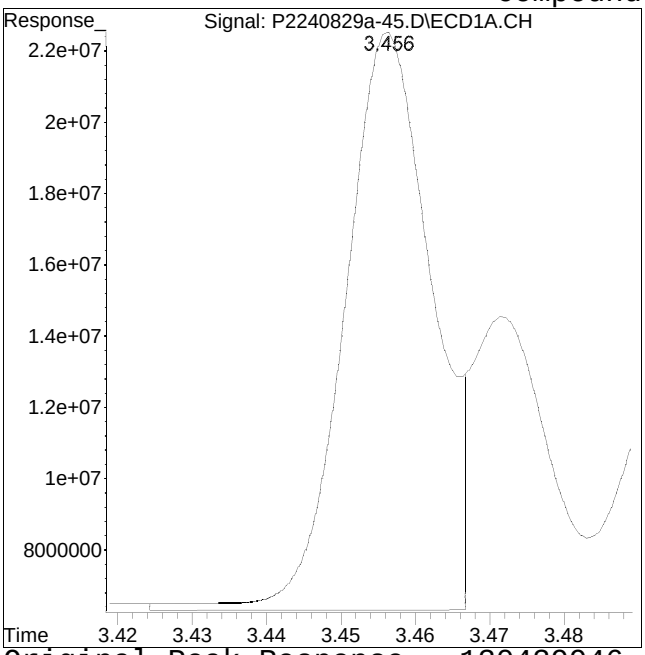


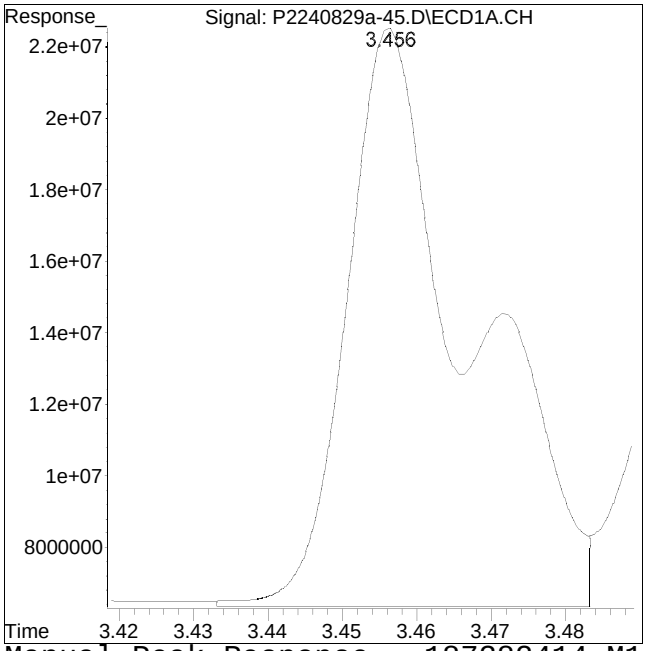
Original Peak Response = 160843502 Manual Peak Response = 153768465 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240829a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240829a-45.D Operator : pest2:meo
Date Inj'd : 8/29/2024 16:20 Instrument : Pest 2
Sample : WG1965202-3,42,, Quant Date : 8/29/2024 4:33 pm

Compound #13: 1260-5





Original Peak Response = 130439946 Manual Peak Response = 187382414 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:22
Operator : pest2:mhg
Sample : WG1964696-4,42,, ms
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:27 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.193	1.258	174.6E6	170.4E6	25.000M4	25.000M4
Standard Area 1 : #1 = 175552743				Recovery =	99.45%	
Standard Area 1 : #2 = 193227791				Recovery =	88.17%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.628	186.1E6	205.7E6	16.556M4	19.980M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	82.78%	99.90%
3) s Decachlorobi	4.042	4.550	147.8E6	155.5E6	18.024	22.621
Spiked Amount	20.000	Range 30 - 150		Recovery =	90.12%	113.10%
Target Compounds						
4) l1 1016-1	1.613	1.828	38633319	47222212	191.773M4	250.290M4
5) l1 1016-2	1.753	1.997	89356369	102.1E6	234.806M3	248.669M4
6) l1 1016-3	1.942	2.199	174.4E6	202.2E6	202.252M3	246.748M4
7) l1 1016-4	1.996	2.258	73393164	84974930	207.914M4	246.327M4
8) l1 1016-5	2.166	2.469	78813302	68356451	189.967M4	272.867M4
Sum 1016-1			454.6E6	504.8E6	1026.713	1264.901
Average 1016-1					205.343	252.980
9) l2 1260-1	2.709	3.078	107.2E6	132.1E6	199.321M4	285.832M4
10) l2 1260-2	2.839	3.179	162.7E6	144.6E6	203.456M4	240.588M4
11) l2 1260-3	3.155	3.571	95305123	126.3E6	194.586M4	259.601M4
12) l2 1260-4	3.310	3.701	220.4E6	252.8E6	210.057M4	262.761M4
13) l2 1260-5	3.458	3.902	162.9E6	183.5E6	209.508M4	258.856M4
Sum 1260-1			748.5E6	839.3E6	1016.928	1307.638
Average 1260-1					203.386	261.528
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:22
Operator : pest2:mhg
Sample : WG1964696-4,42,, ms
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:27 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

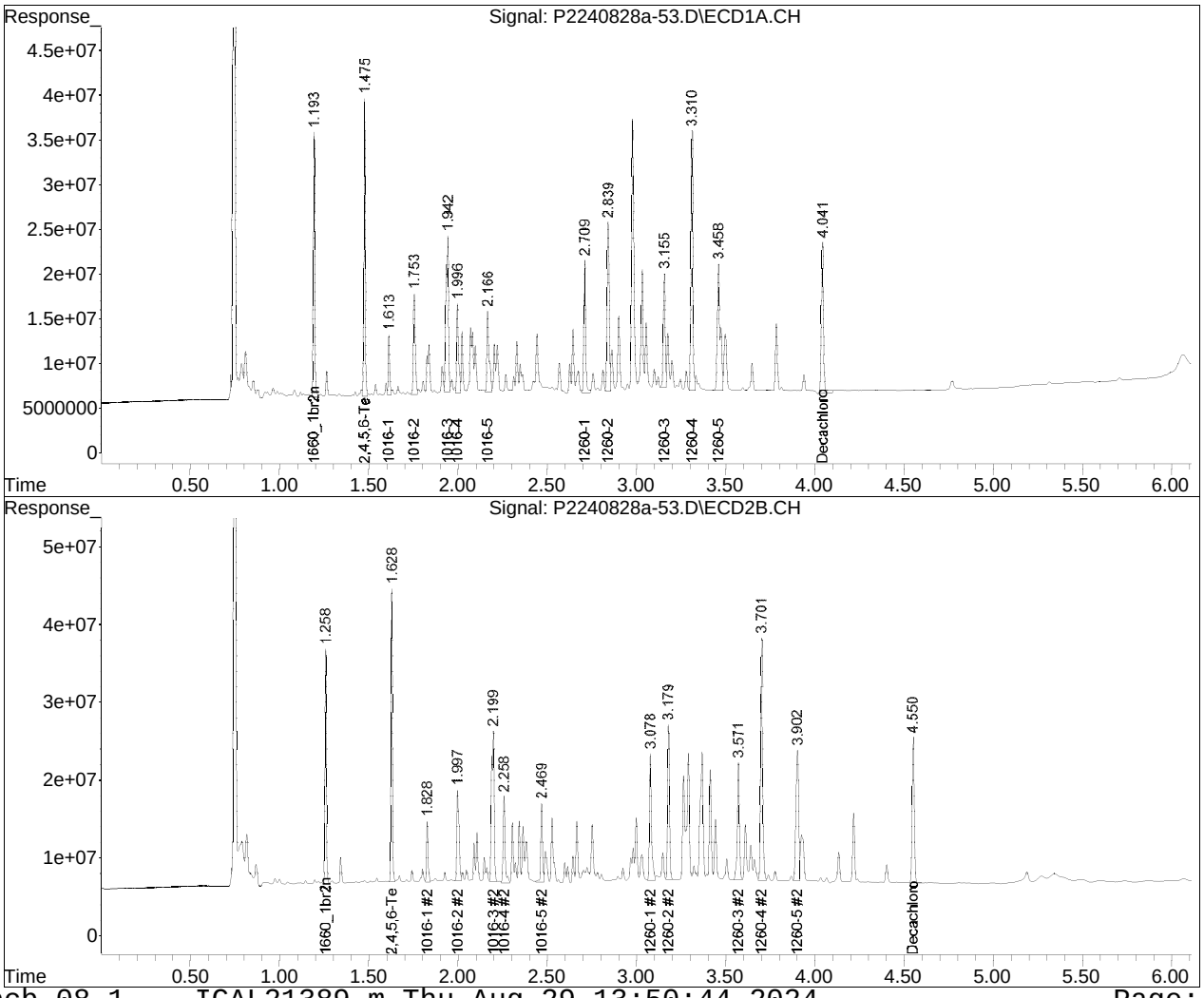
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240828A\P2240828a-43.D•

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-53.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:22
Operator : pest2:mhg
Sample : WG1964696-4,42,, ms
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:27 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

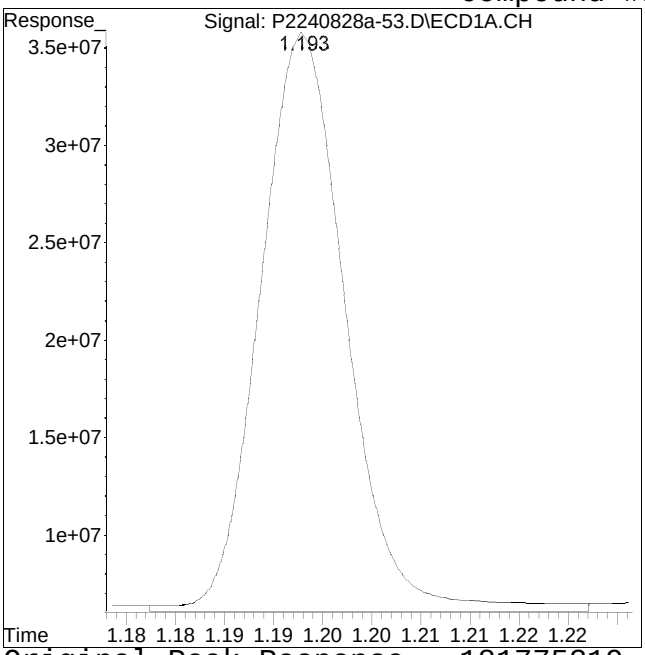
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

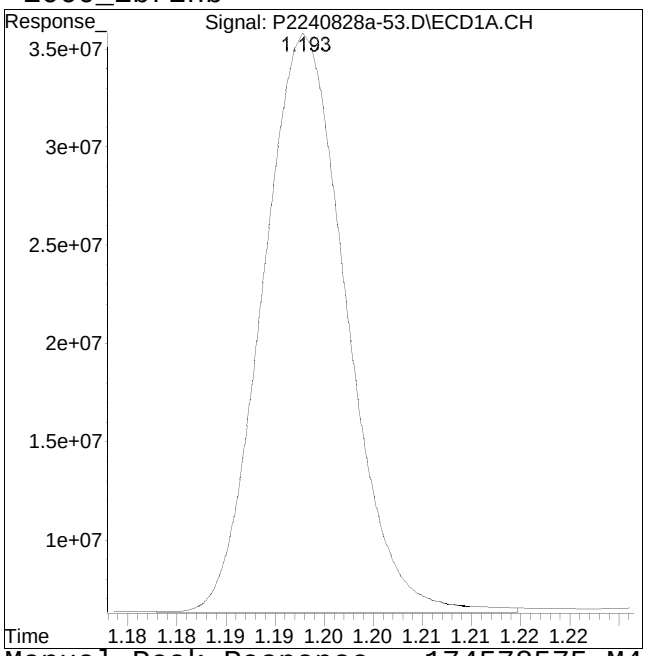


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #1: 1660_1br2nb



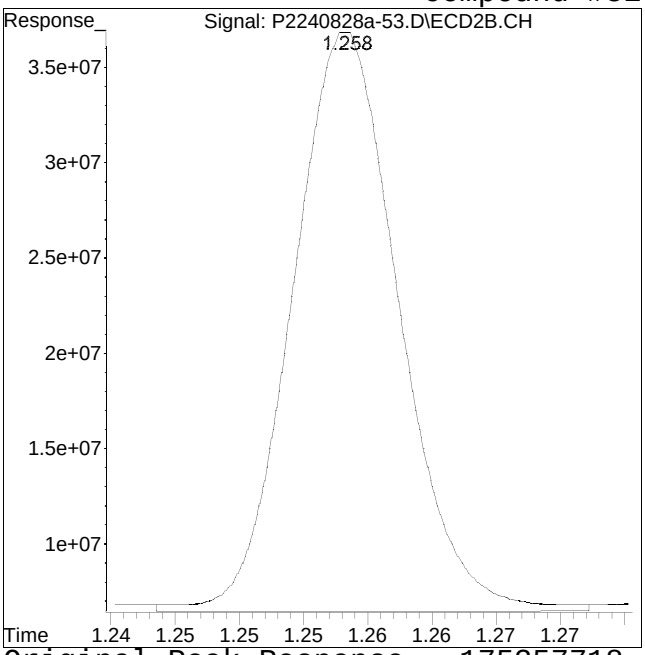


Original Peak Response = 181775319 Manual Peak Response = 174578575 M4
M4 = Poor automated baseline construction.

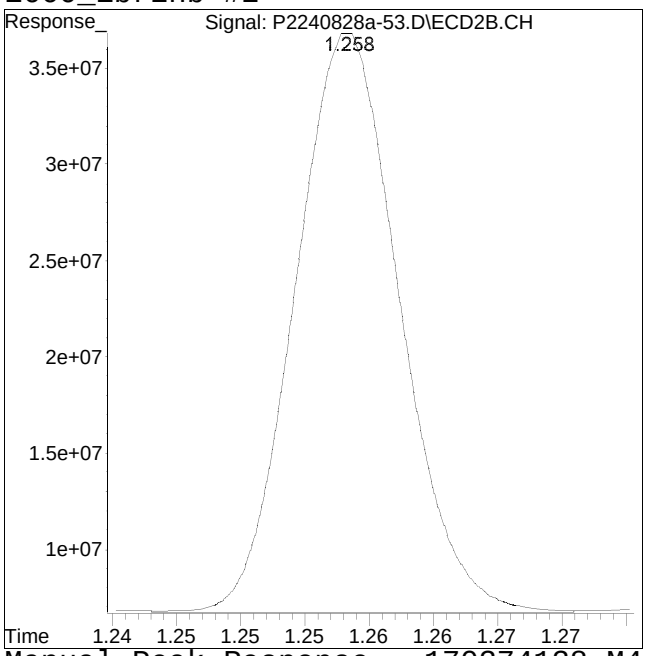
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 175357718



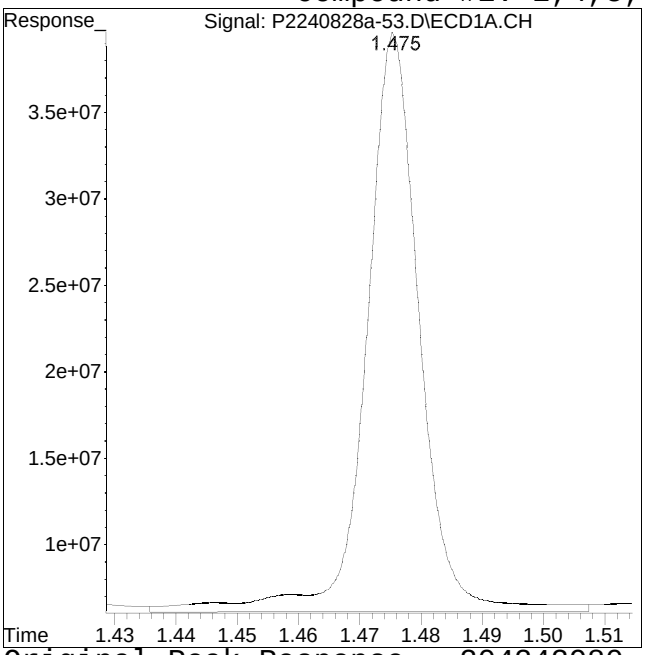
Manual Peak Response = 170374138 M4

M4 = Poor automated baseline construction.

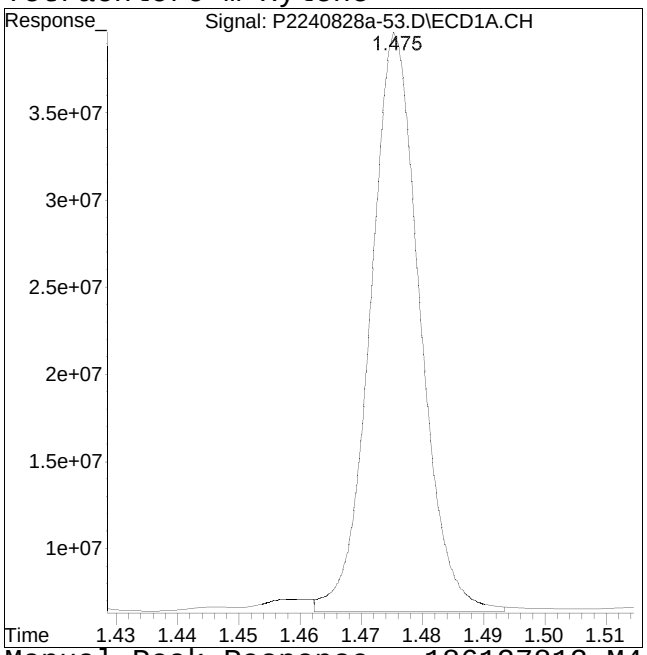
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 204242980



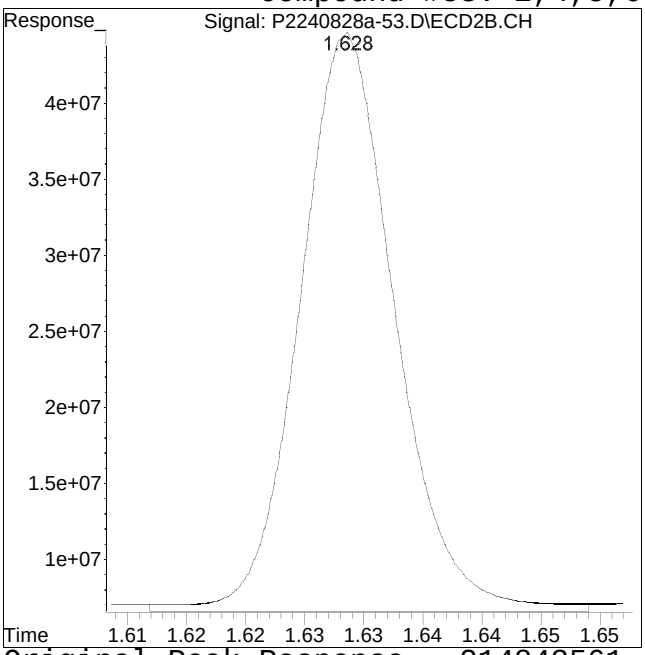
Manual Peak Response = 186127812 M4

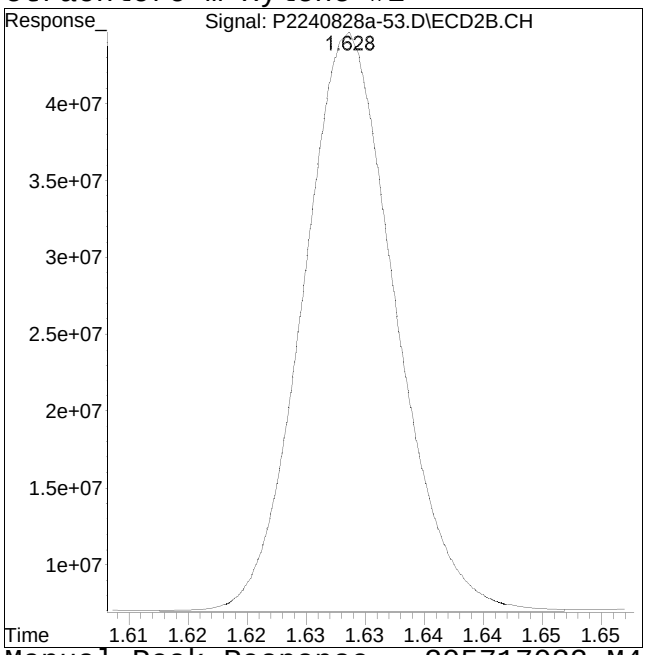
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



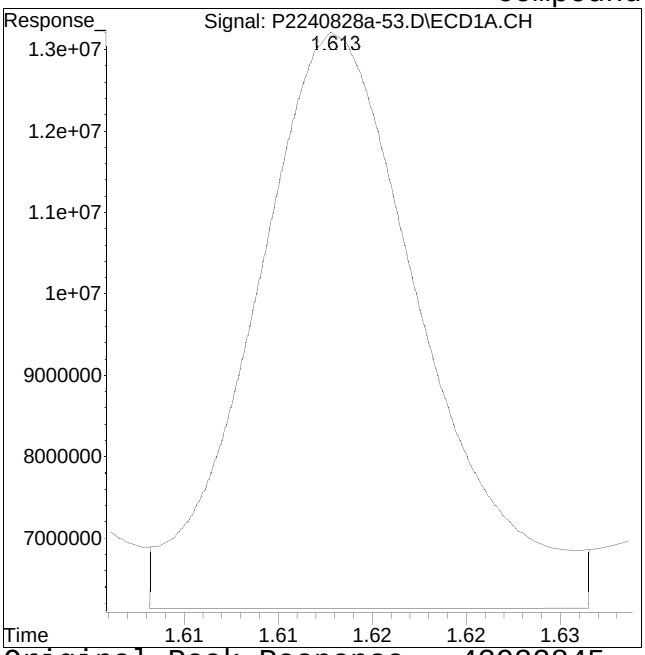


Original Peak Response = 214843561 Manual Peak Response = 205717032 M4
M4 = Poor automated baseline construction.

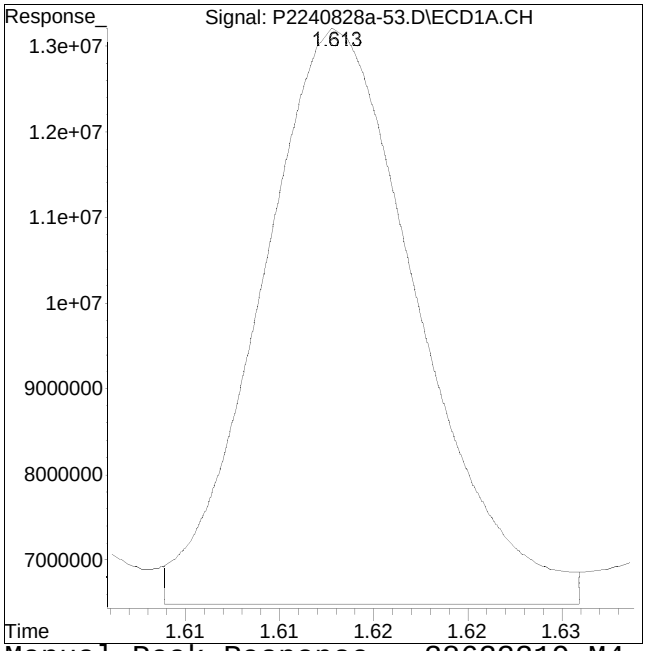
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #4: 1016-1



Original Peak Response = 43932845



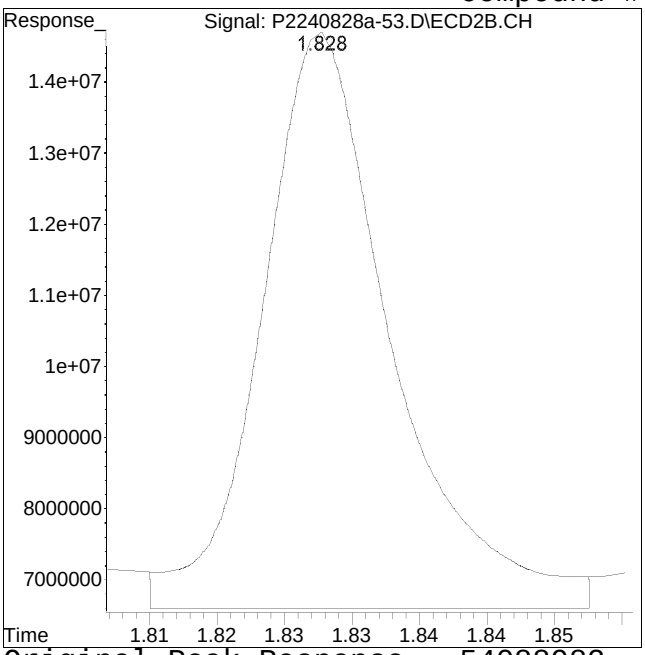
Manual Peak Response = 38633319 M4

M4 = Poor automated baseline construction.

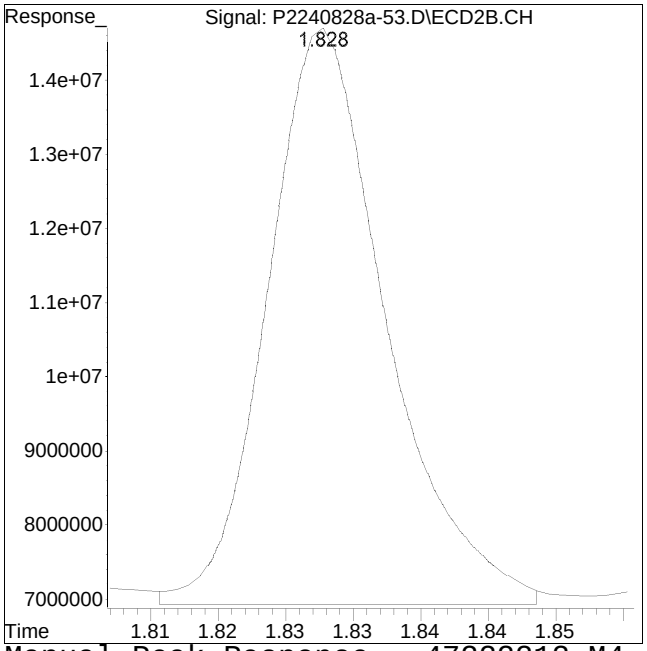
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #55: 1016-1 #2



Original Peak Response = 54088982



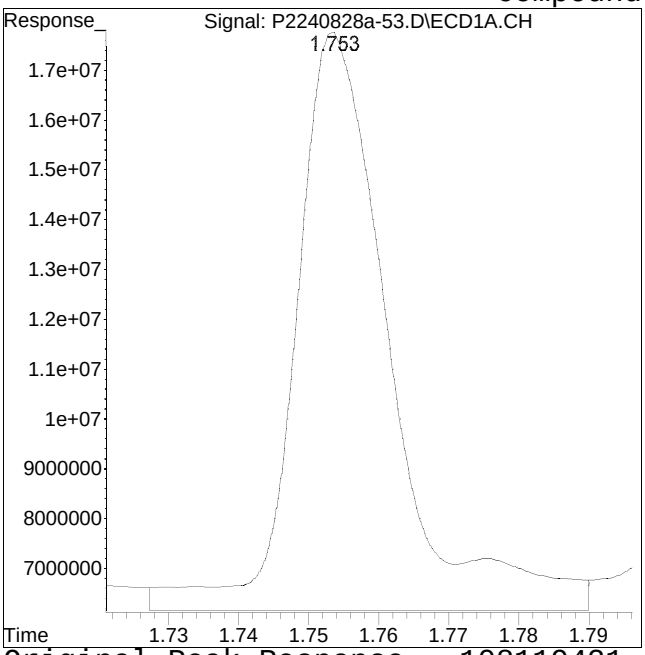
Manual Peak Response = 47222212 M4

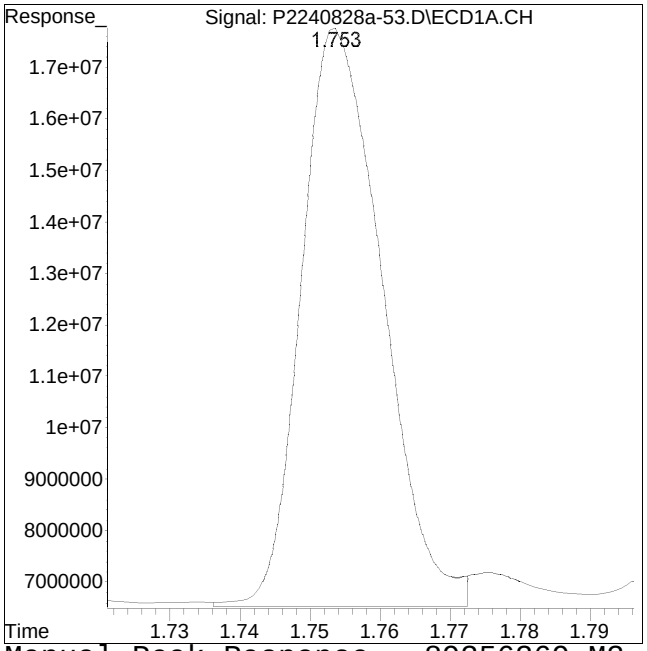
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #5: 1016-2



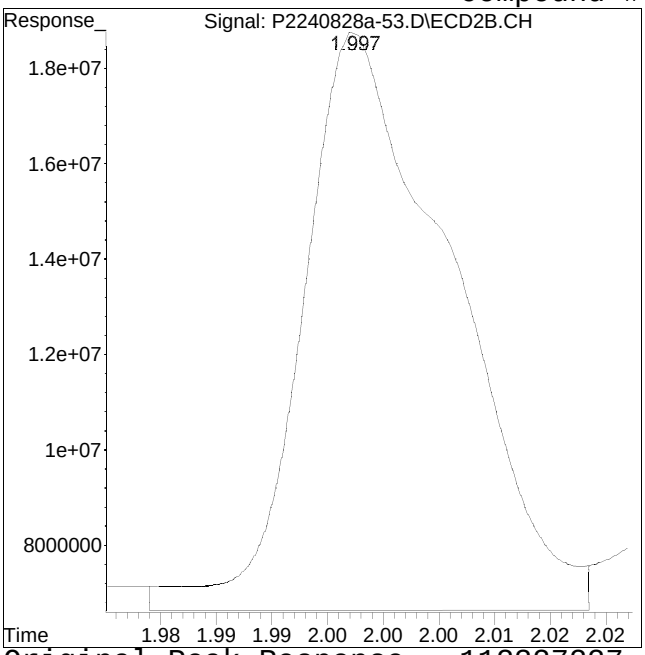


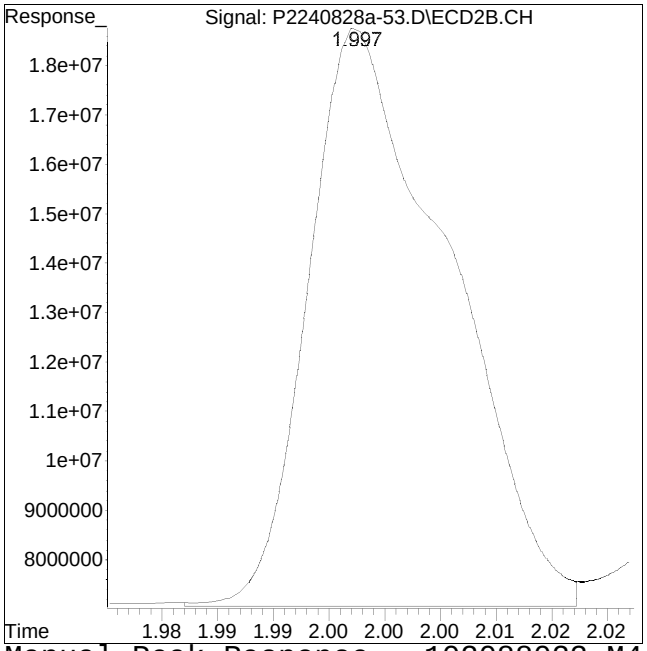
Original Peak Response = 108119421 Manual Peak Response = 89356369 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #56: 1016-2 #2



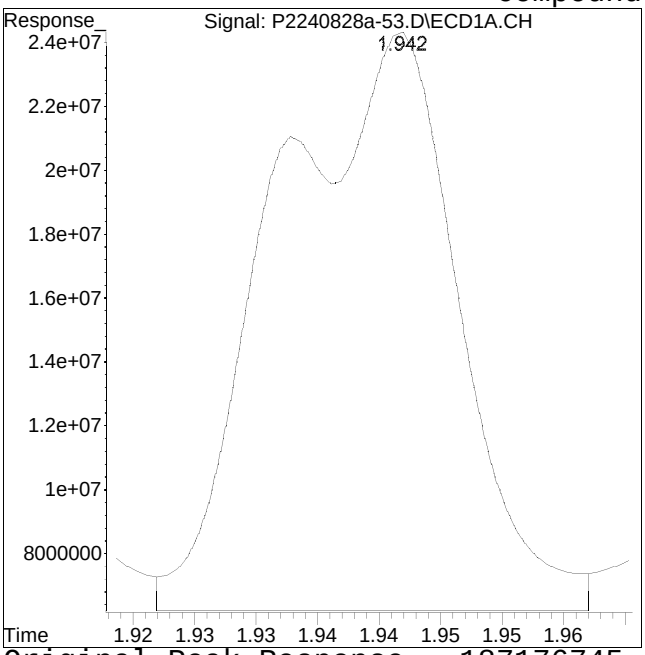


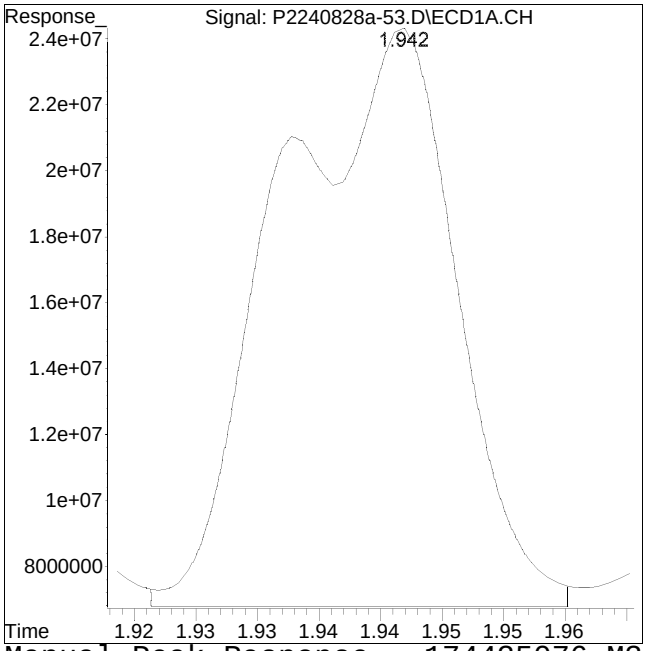
Original Peak Response = 112327227 Manual Peak Response = 102088023 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #6: 1016-3



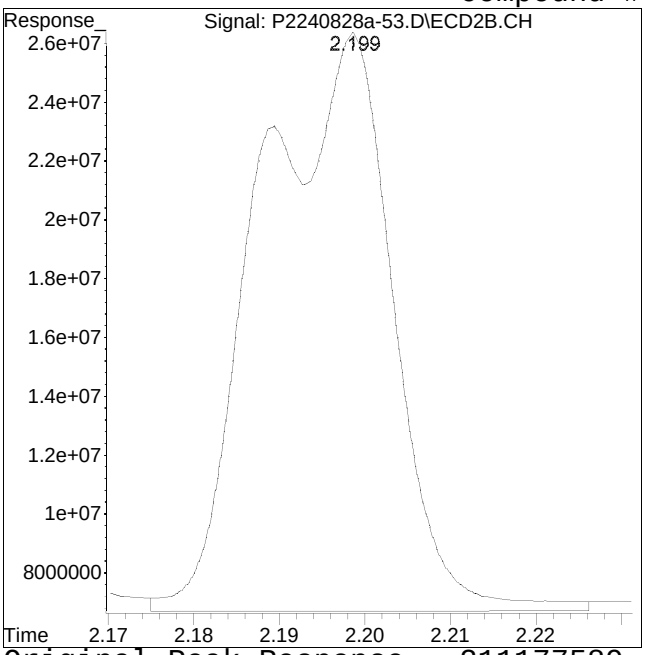


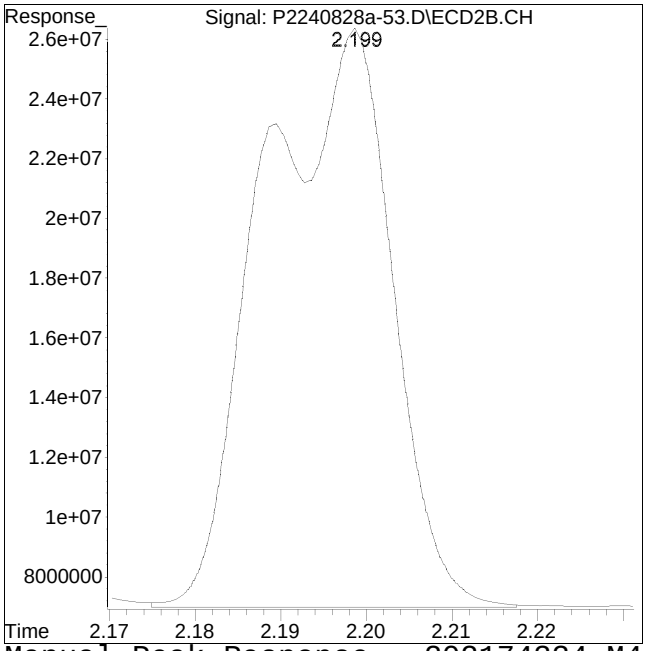
Original Peak Response = 187176745 Manual Peak Response = 174435076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #57: 1016-3 #2



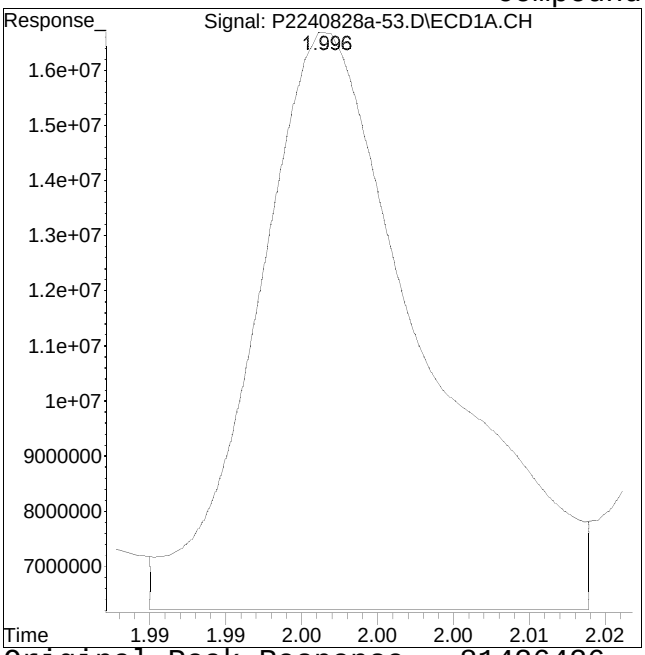


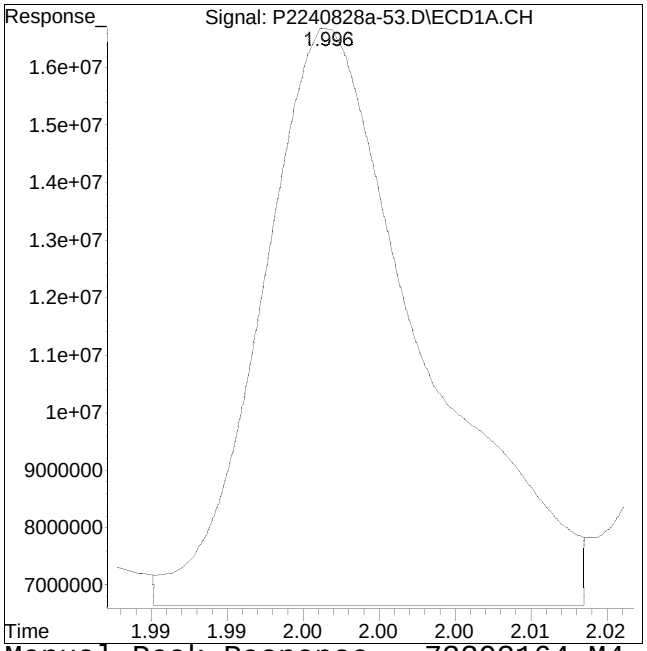
Original Peak Response = 211177589 Manual Peak Response = 202174334 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #7: 1016-4



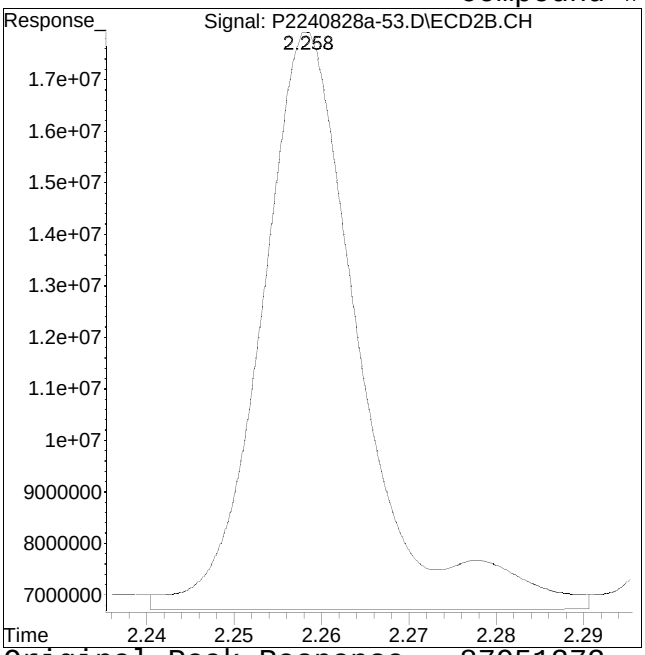


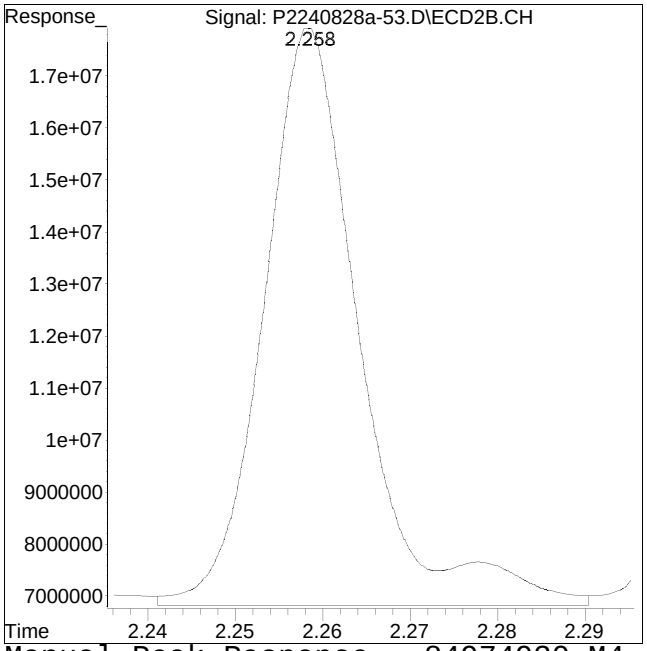
Original Peak Response = 81426426 Manual Peak Response = 73393164 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #58: 1016-4 #2



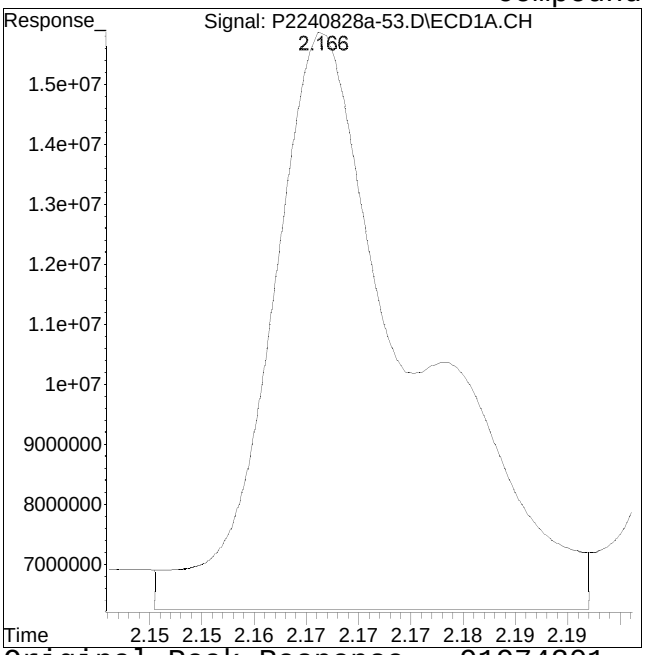


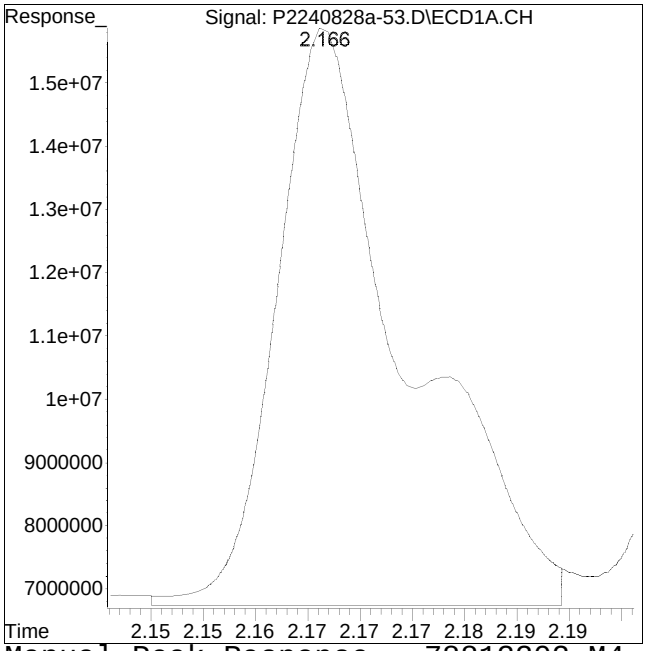
Original Peak Response = 87951272 Manual Peak Response = 84974930 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #8: 1016-5



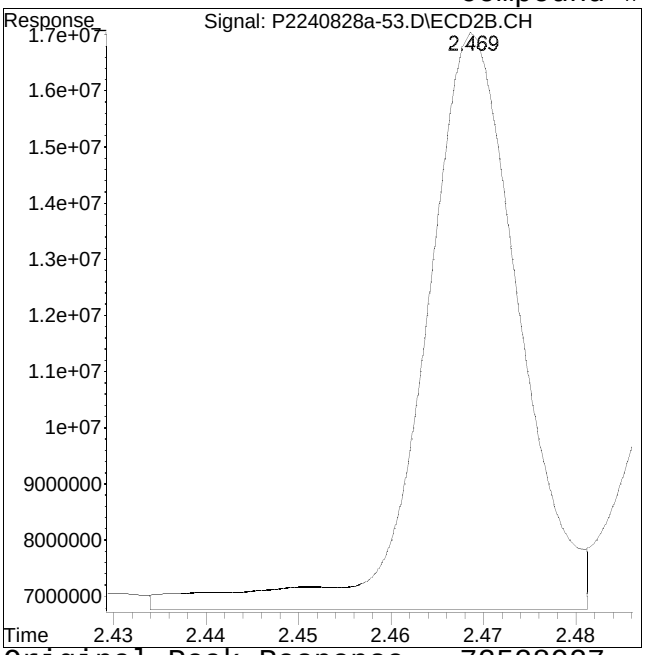


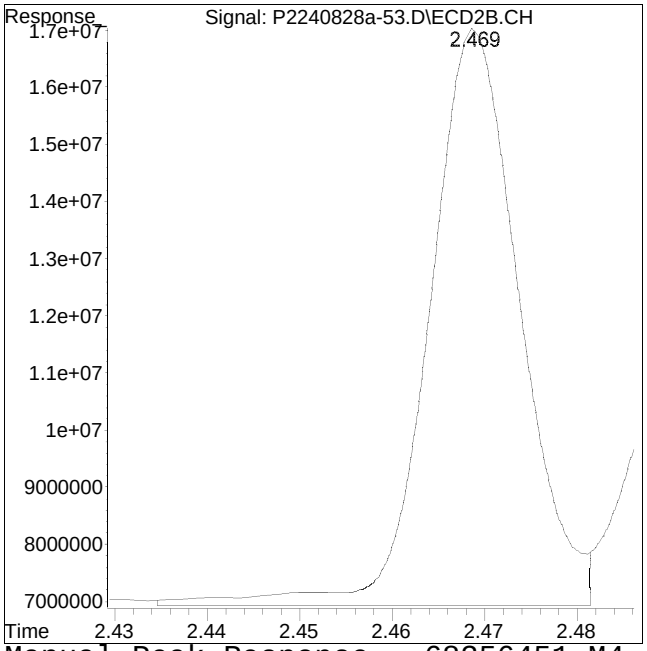
Original Peak Response = 91974201 Manual Peak Response = 78813302 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #59: 1016-5 #2



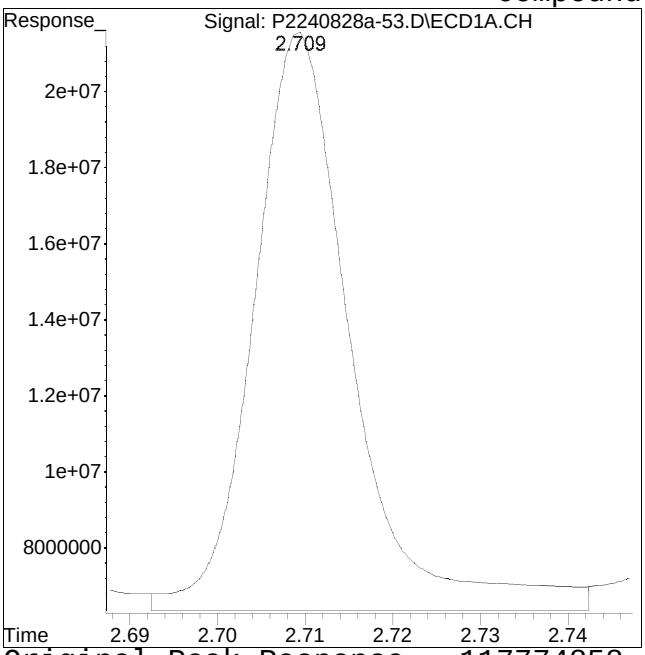


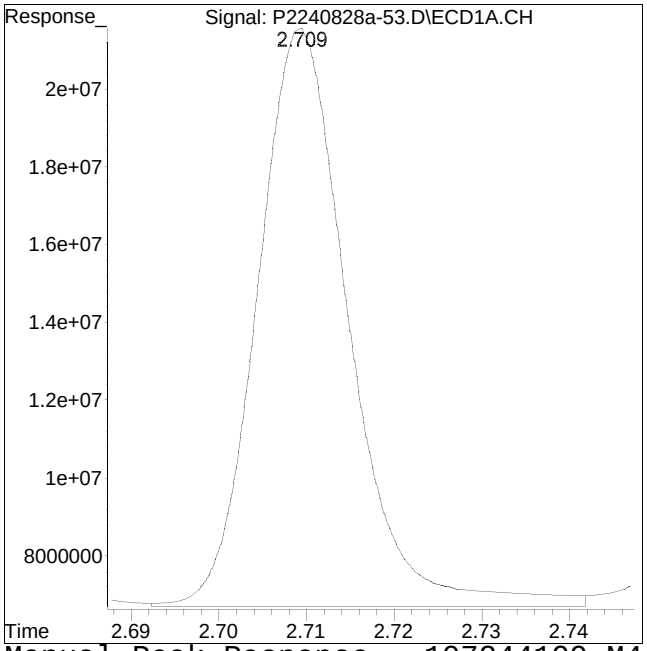
Original Peak Response = 72528927 Manual Peak Response = 68356451 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #9: 1260-1



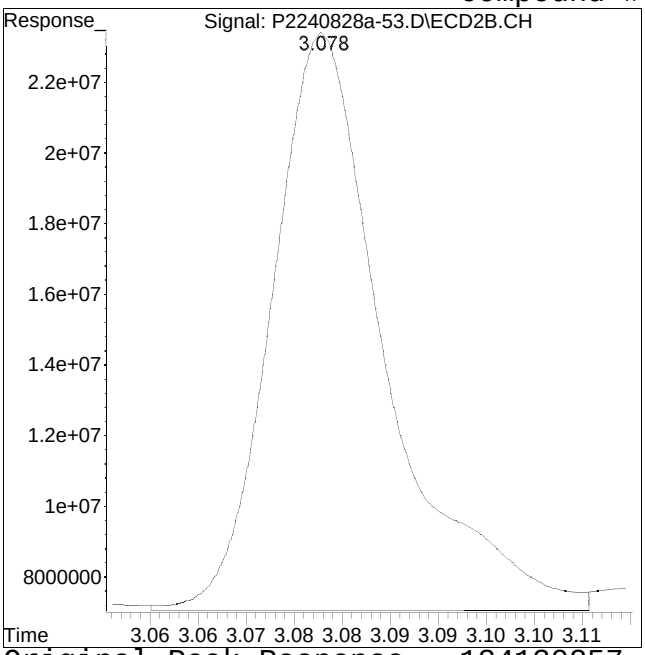


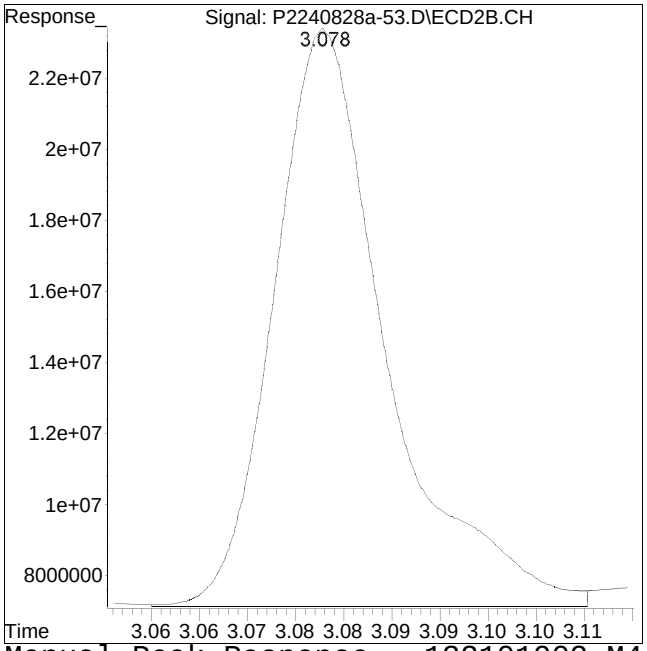
Original Peak Response = 117774858 Manual Peak Response = 107244199 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #60: 1260-1 #2



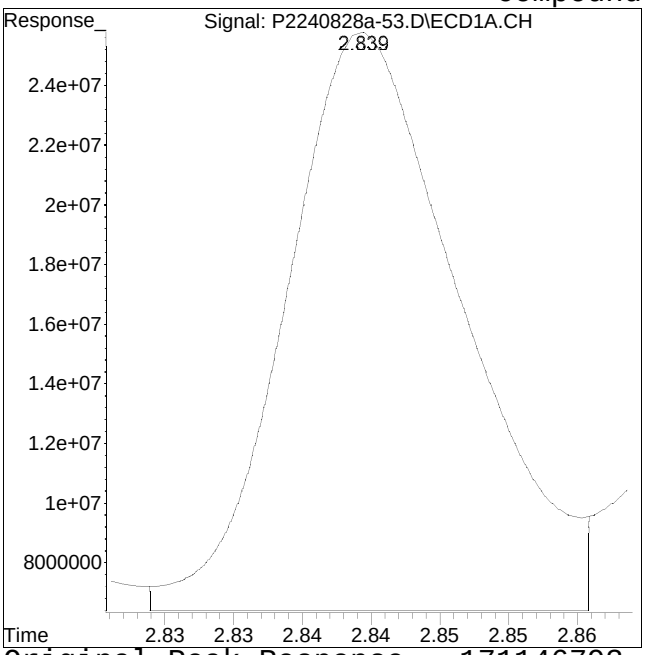


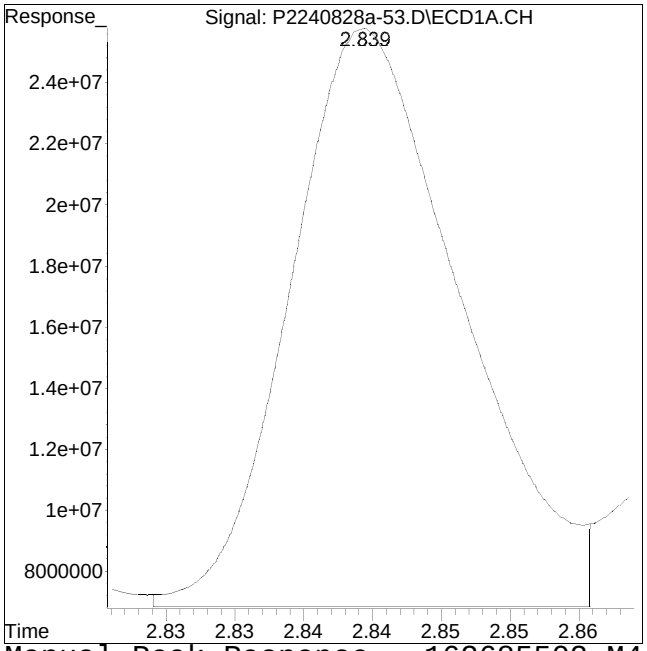
Original Peak Response = 134130257 Manual Peak Response = 132101902 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #10: 1260-2



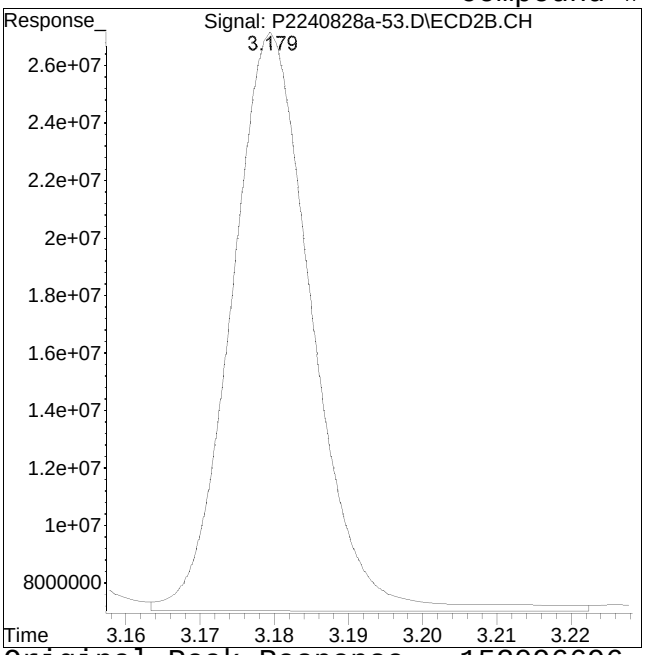


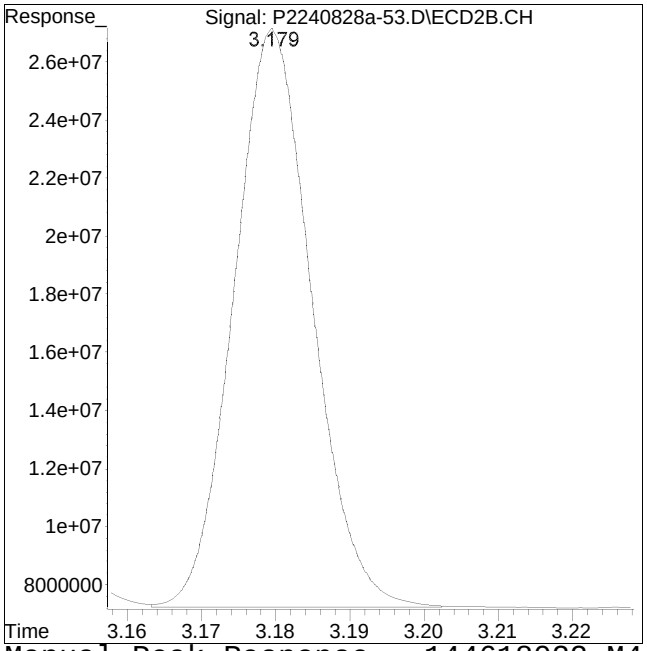
Original Peak Response = 171146793 Manual Peak Response = 162685502 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #61: 1260-2 #2



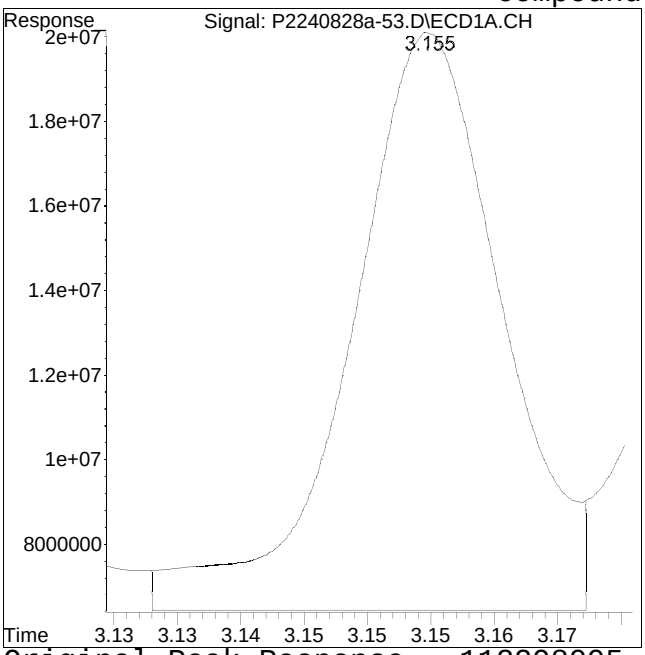


Original Peak Response = 152096696 Manual Peak Response = 144618022 M4
M4 = Poor automated baseline construction.

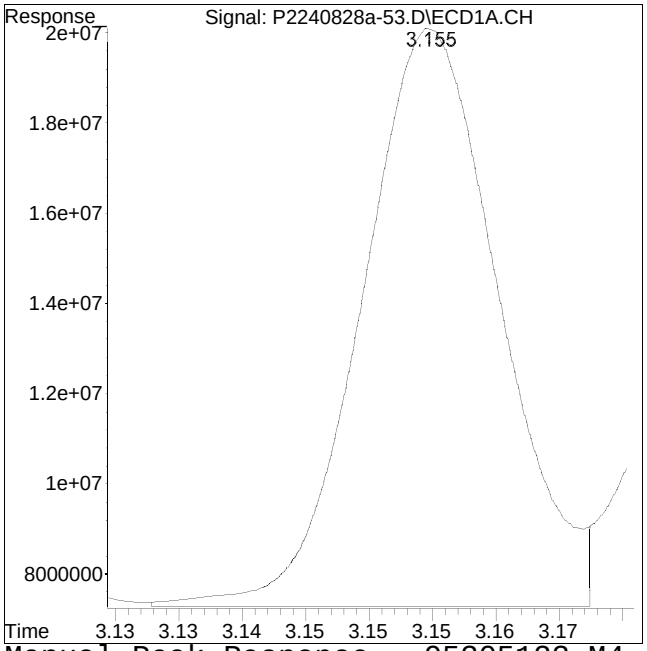
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #11: 1260-3



Original Peak Response = 112298995



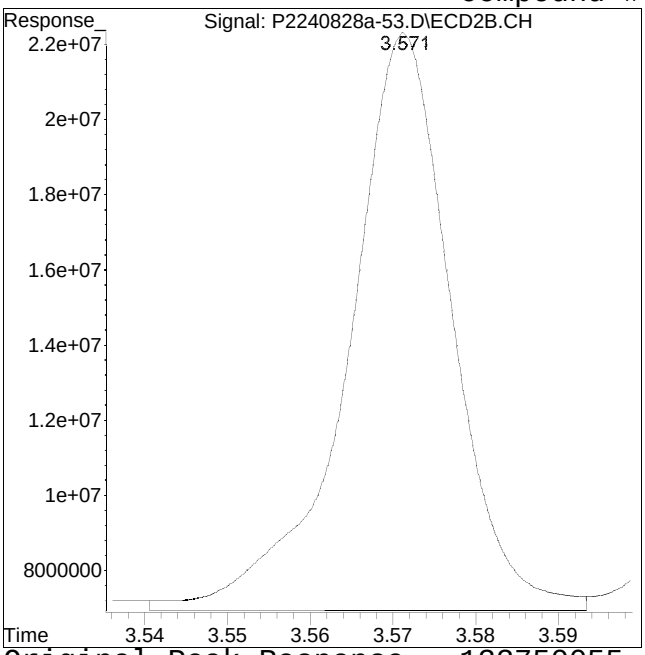
Manual Peak Response = 95305123 M4

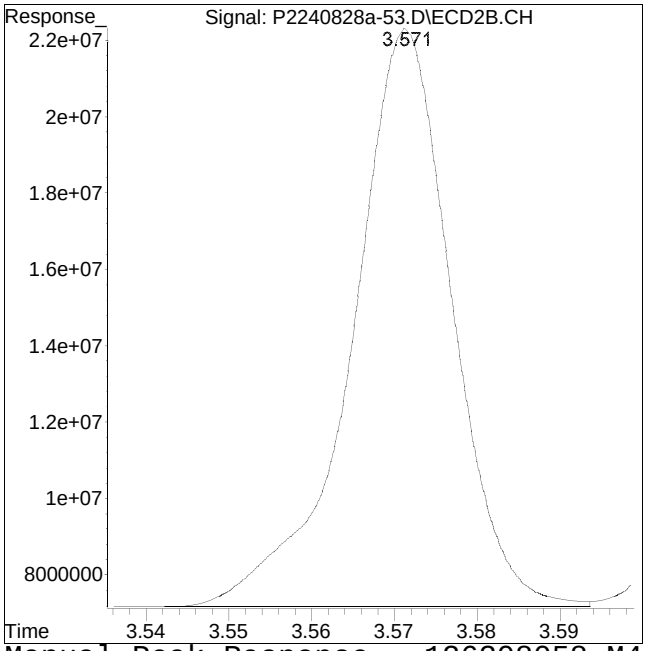
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #62: 1260-3 #2



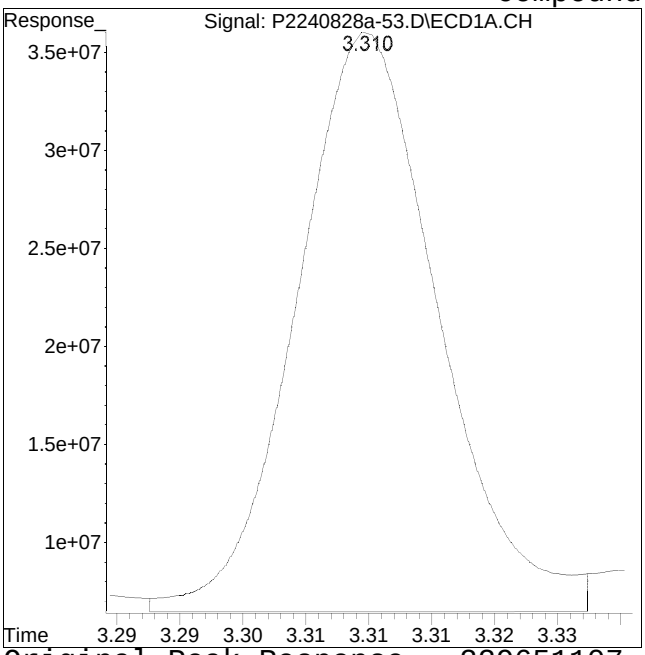


Original Peak Response = 133750055 Manual Peak Response = 126308058 M4
M4 = Poor automated baseline construction.

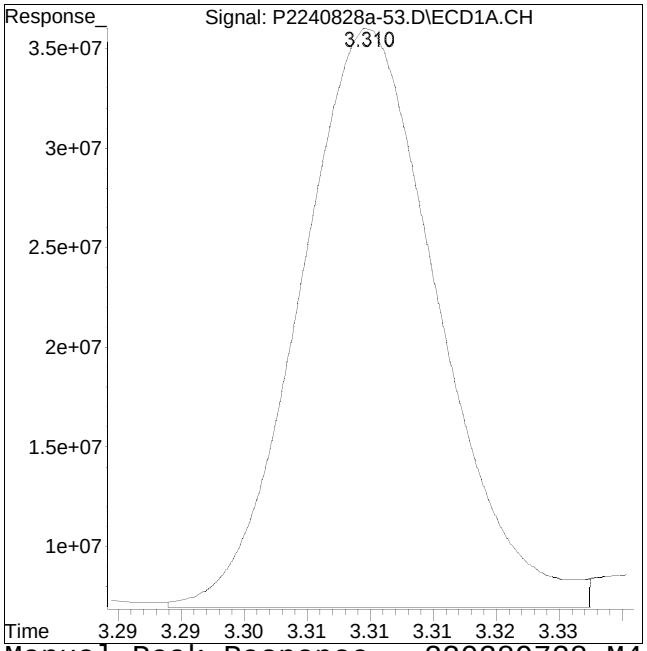
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #12: 1260-4



Original Peak Response = 229651107



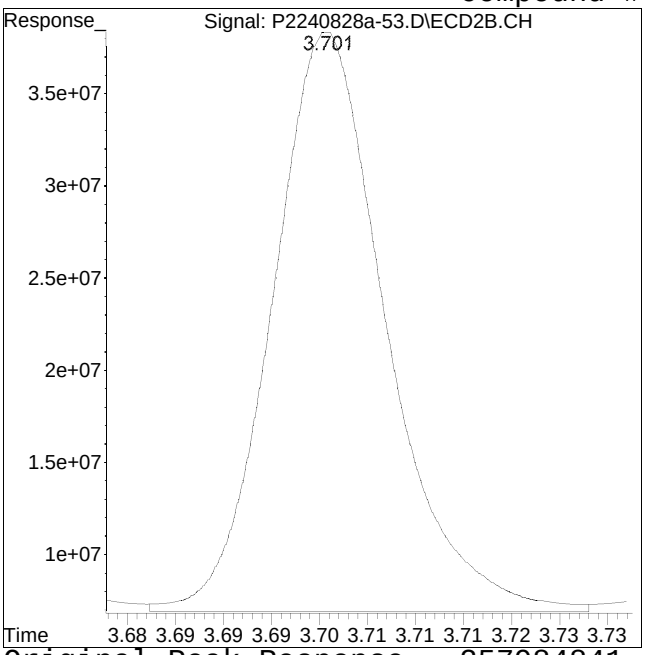
Manual Peak Response = 220389728 M4

M4 = Poor automated baseline construction.

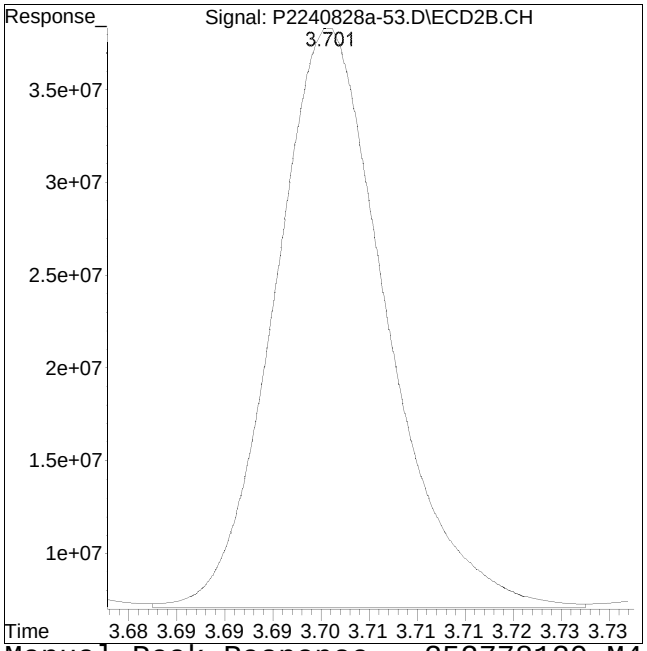
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #63: 1260-4 #2



Original Peak Response = 257984841



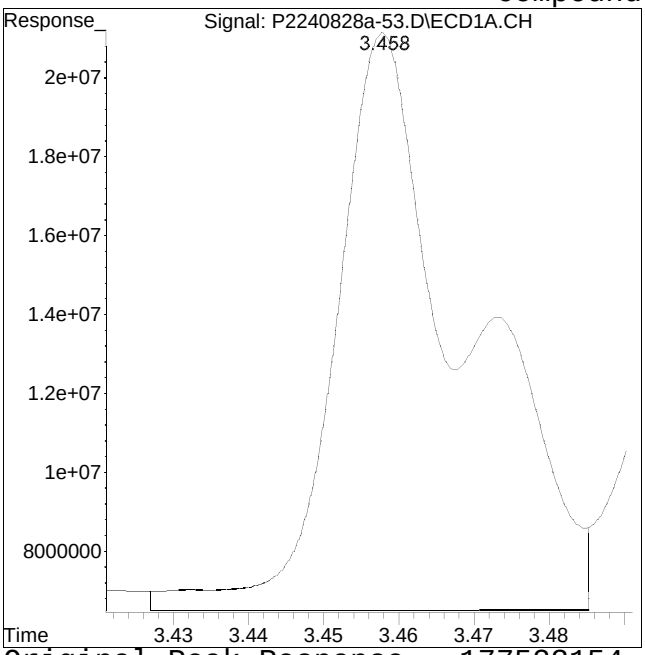
Manual Peak Response = 252778120 M4

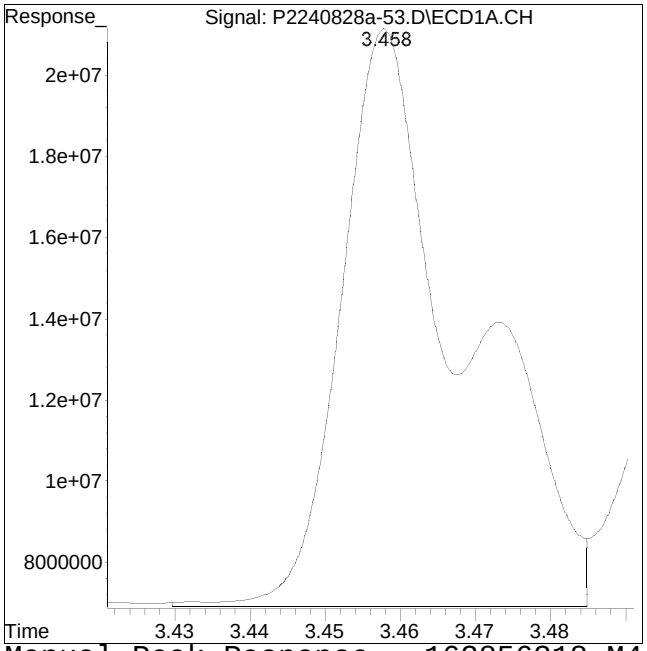
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #13: 1260-5



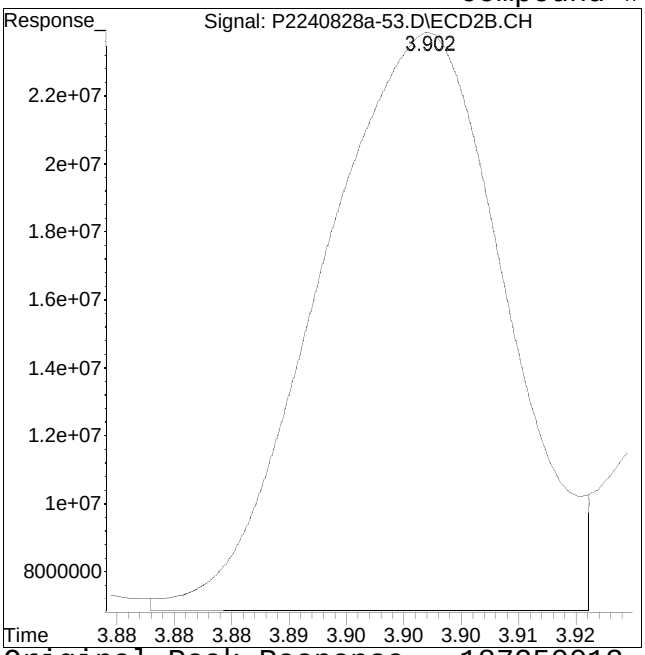


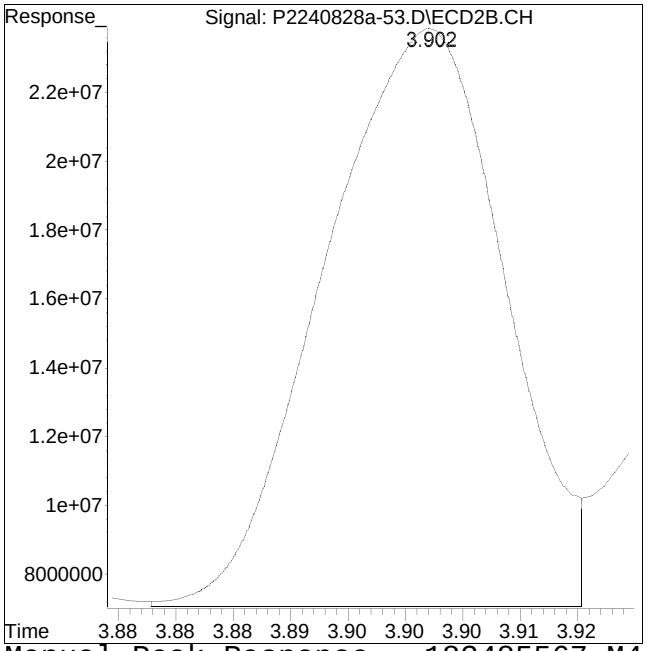
Original Peak Response = 177523154 Manual Peak Response = 162856318 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-53.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:22 Instrument : Pest 2
Sample : WG1964696-4,42,, ms Quant Date : 8/29/2024 0:46 am

Compound #64: 1260-5 #2





Original Peak Response = 187250013 Manual Peak Response = 183485567 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:32
Operator : pest2:mhg
Sample : WG1964696-5,42,, msd
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:31 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.193	1.259	174.9E6	168.6E6	25.000M4	25.000M3
Standard Area 1 : #1 = 175552743				Recovery =	99.66%	
Standard Area 1 : #2 = 193227791				Recovery =	87.25%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.629	193.7E6	213.1E6	17.191M3	20.919M3
Spiked Amount	20.000	Range 30 - 150		Recovery =	85.95%	104.60%
3) s Decachlorobi	4.042	4.551	156.4E6	147.9E6	19.032	21.743
Spiked Amount	20.000	Range 30 - 150		Recovery =	95.16%	108.71%
Target Compounds						
4) l1 1016-1	1.613	1.828	41310696	48218292	204.631M4	258.281M4
5) l1 1016-2	1.753	1.998	91434683	106.2E6	239.760M4	261.448M4
6) l1 1016-3	1.941	2.199	186.8E6	210.8E6	216.167M4	259.950M4
7) l1 1016-4	1.996	2.258	76968617	79985962	217.583M3	234.324M4
8) l1 1016-5	2.166	2.469	81165295	70021066	195.223M4	282.477M4
Sum 1016-1			477.7E6	515.2E6	1073.364	1296.479
Average 1016-1					214.673	259.296
9) l2 1260-1	2.709	3.078	107.2E6	135.3E6	198.760M4	295.861M4
10) l2 1260-2	2.839	3.180	169.7E6	146.4E6	211.790M4	246.174M4
11) l2 1260-3	3.154	3.572	104.2E6	124.3E6	212.309M4	258.189M4
12) l2 1260-4	3.309	3.701	229.5E6	246.7E6	218.242M3	259.117M4
13) l2 1260-5	3.458	3.903	166.3E6	181.6E6	213.502M1	258.983M4
Sum 1260-1			776.9E6	834.3E6	1054.602	1318.325
Average 1260-1					210.920	263.665
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:32
Operator : pest2:mhg
Sample : WG1964696-5,42,, msd
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:31 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240828A\P2240828a-43.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

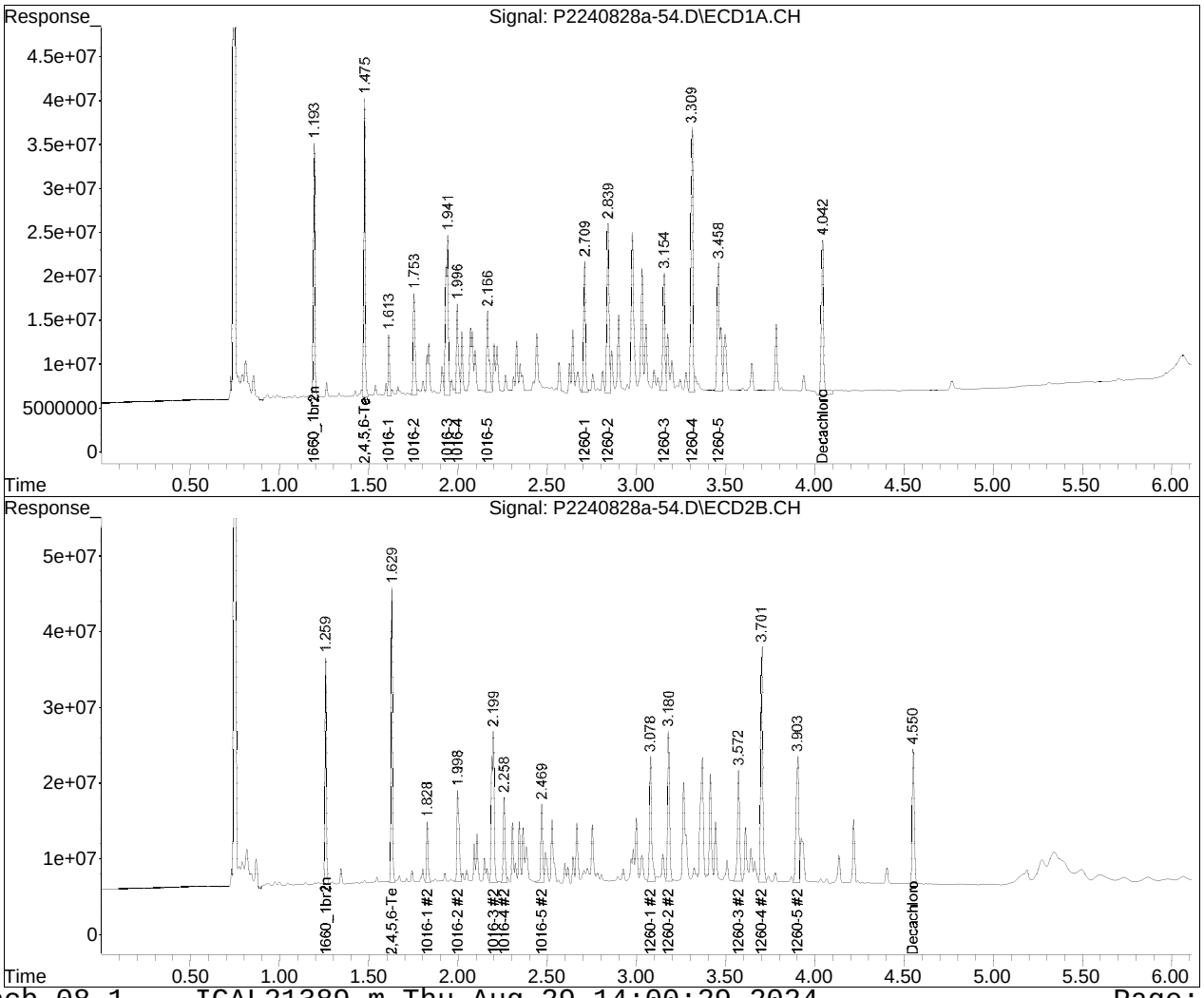
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240828A\P2240828a-43.D•

Data Path : I:\PCB\Pest2\2024\240828A\
Data File : P2240828a-54.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 16:32
Operator : pest2:mhg
Sample : WG1964696-5,42,, msd
Misc : WG1964804,WG1964696,ical21389
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 29 00:46:31 2024
Quant Method : I:\PCB\Pest2\2024\240828A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

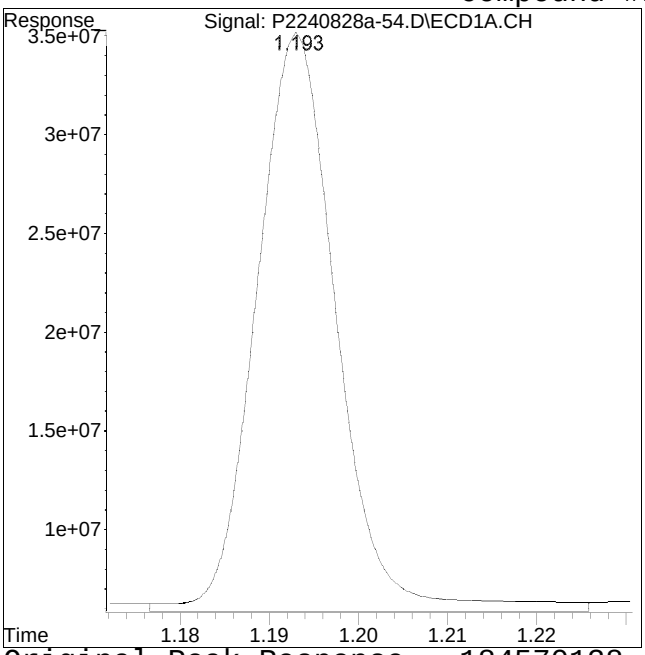
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



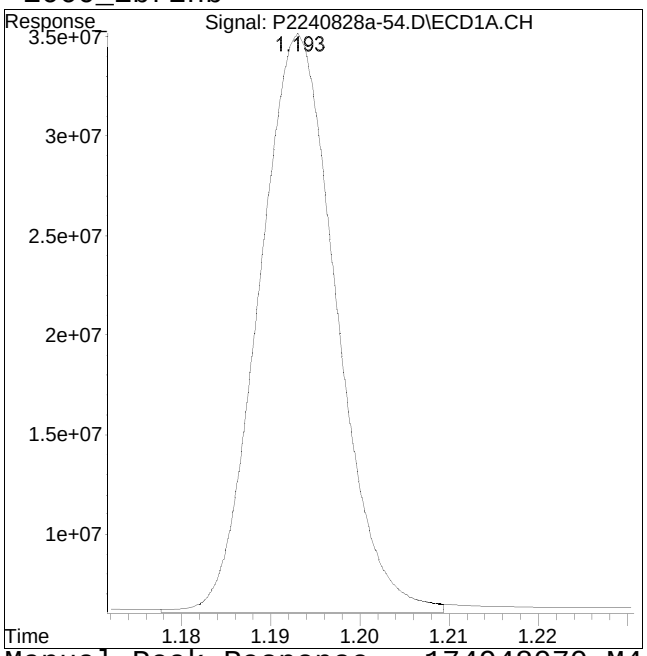
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #1: 1660_1br2nb



Original Peak Response = 184570138



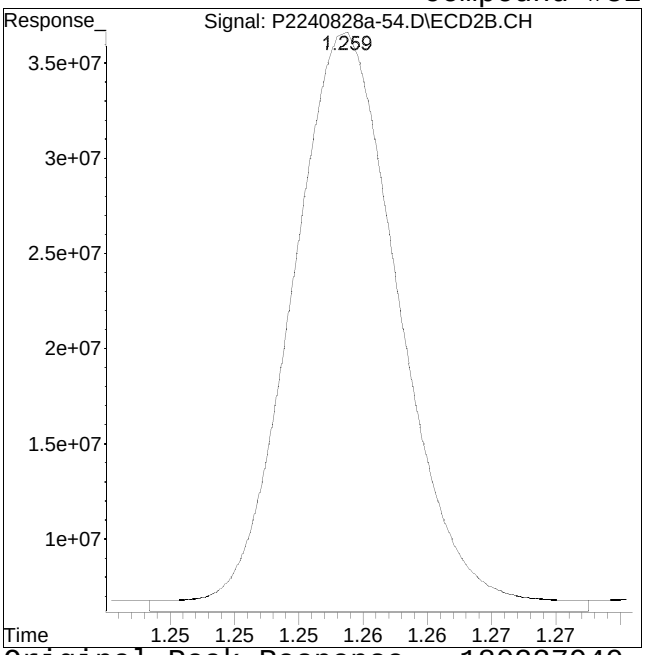
Manual Peak Response = 174948070 M4

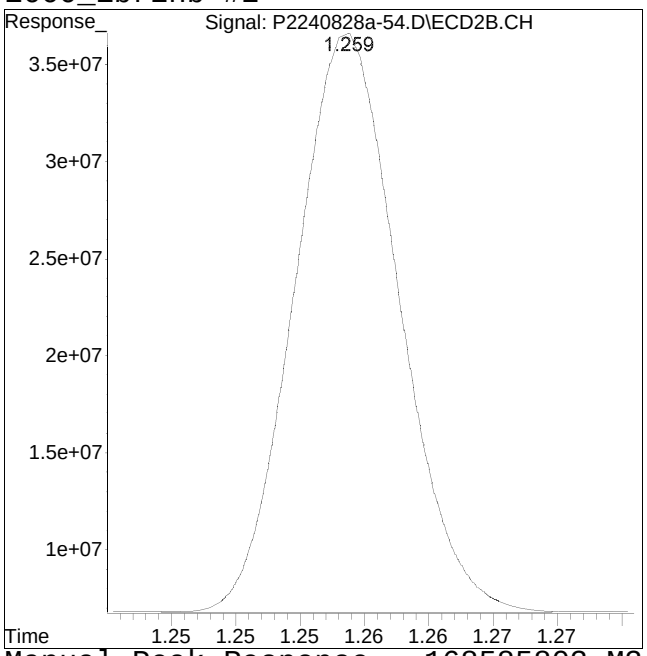
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #52: 1660_1br2nb #2



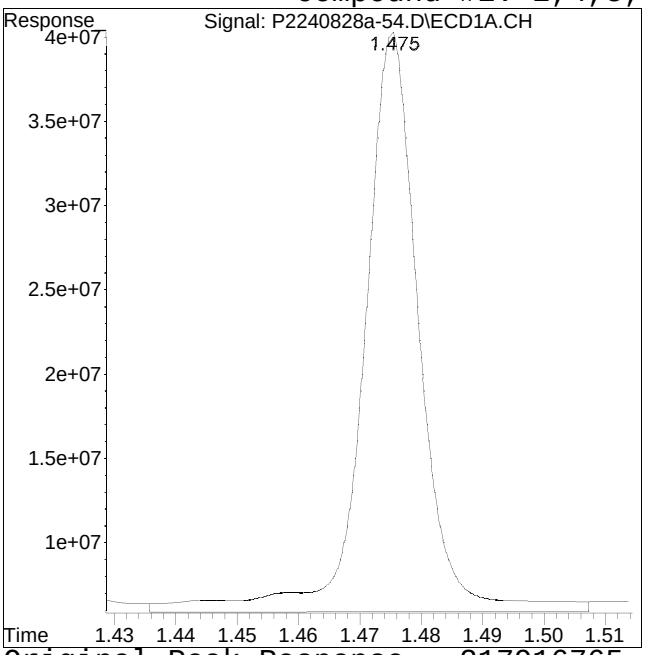


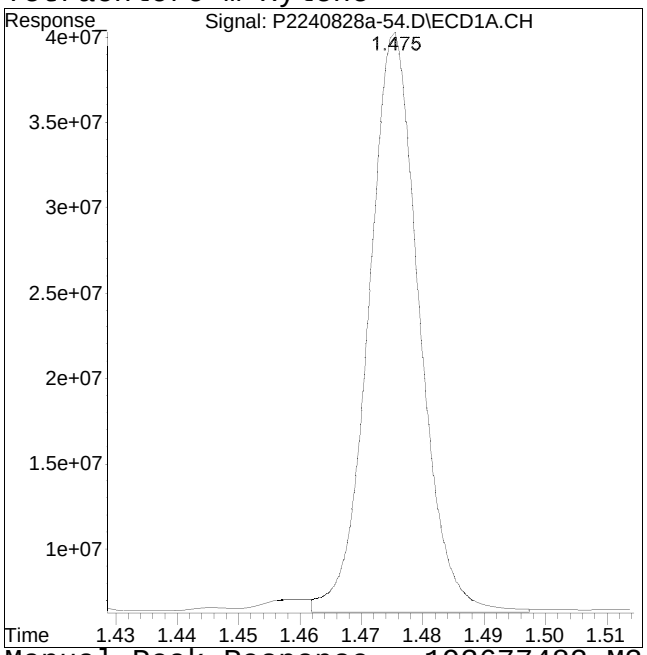
Original Peak Response = 180227940 Manual Peak Response = 168585803 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



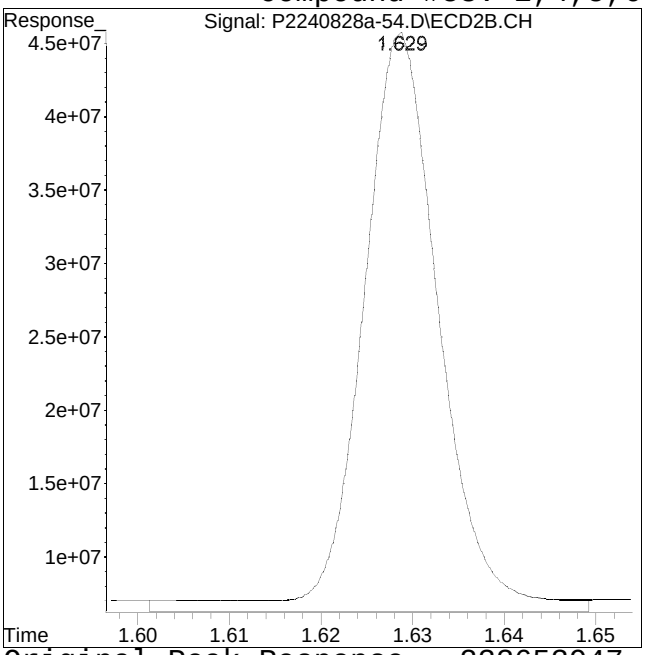


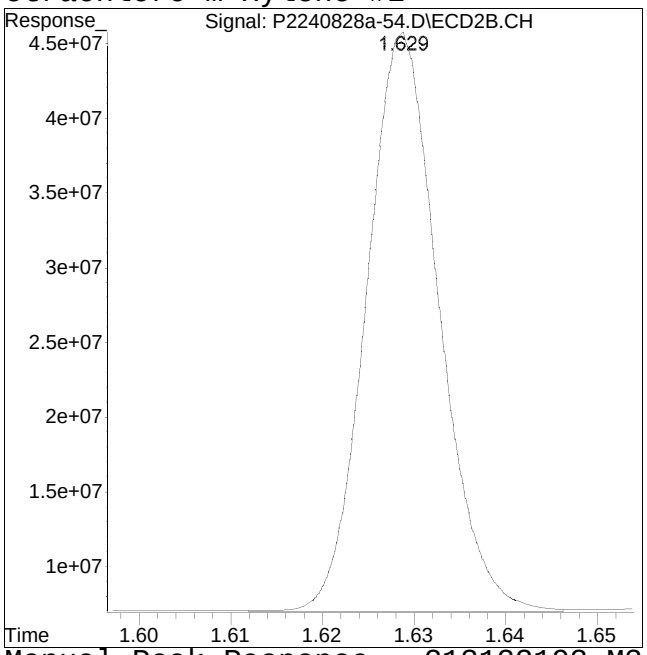
Original Peak Response = 217916765 Manual Peak Response = 193677482 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



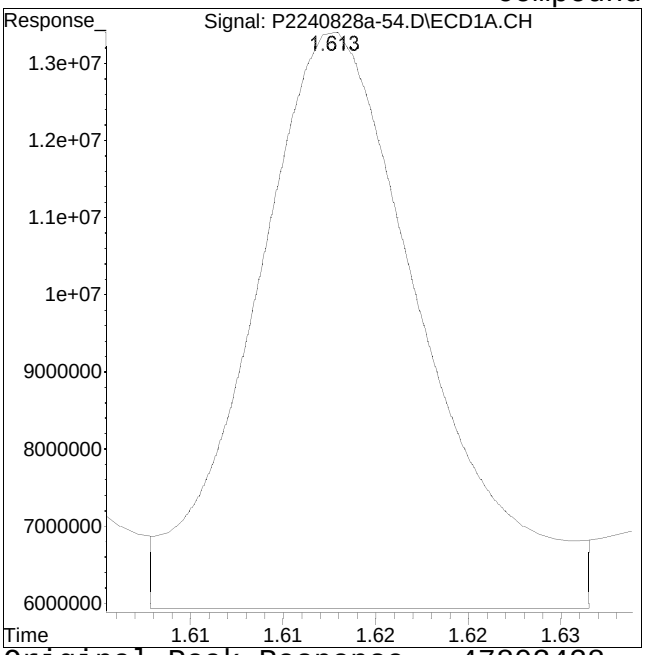


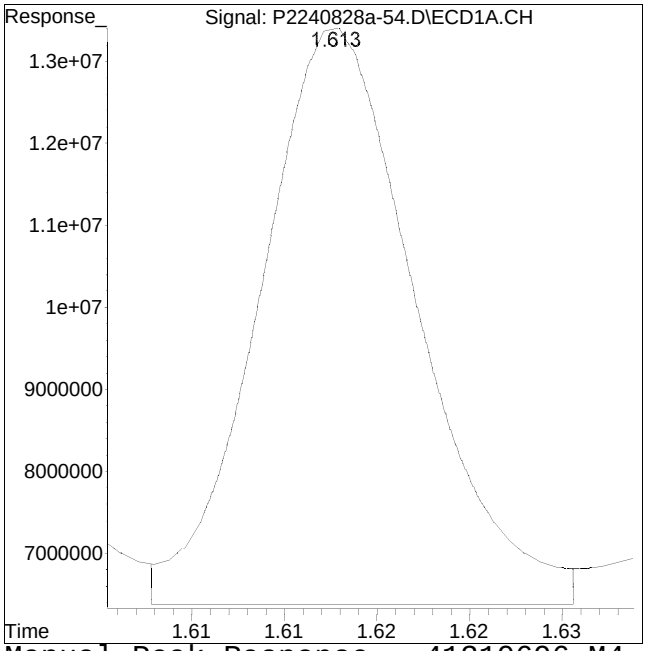
Original Peak Response = 233653947 Manual Peak Response = 213123193 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #4: 1016-1



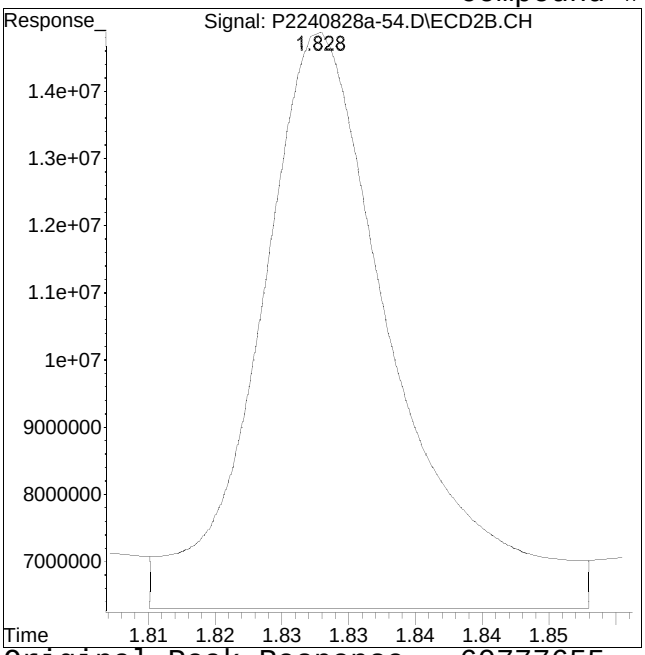


Original Peak Response = 47803438 Manual Peak Response = 41310696 M4
M4 = Poor automated baseline construction.

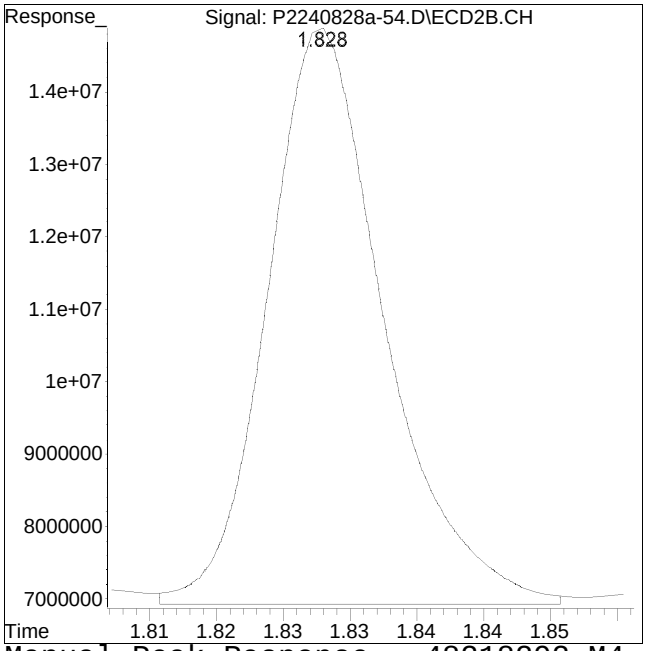
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #55: 1016-1 #2



Original Peak Response = 60777655



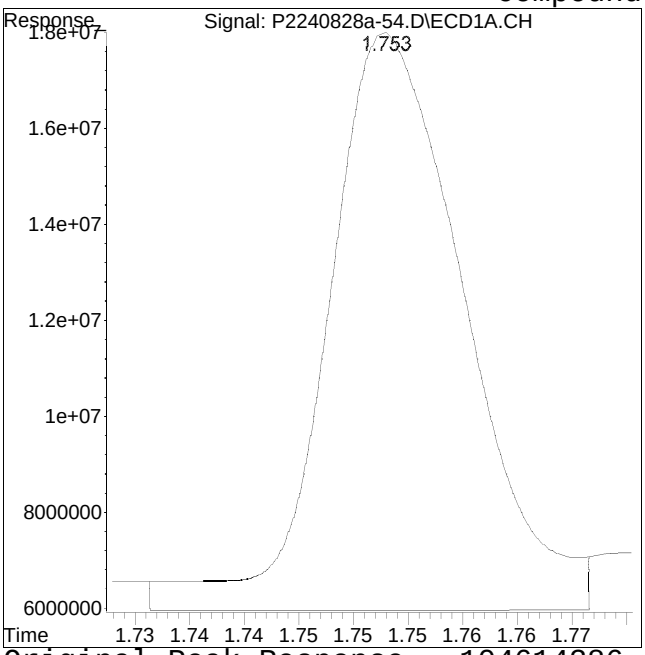
Manual Peak Response = 48218292 M4

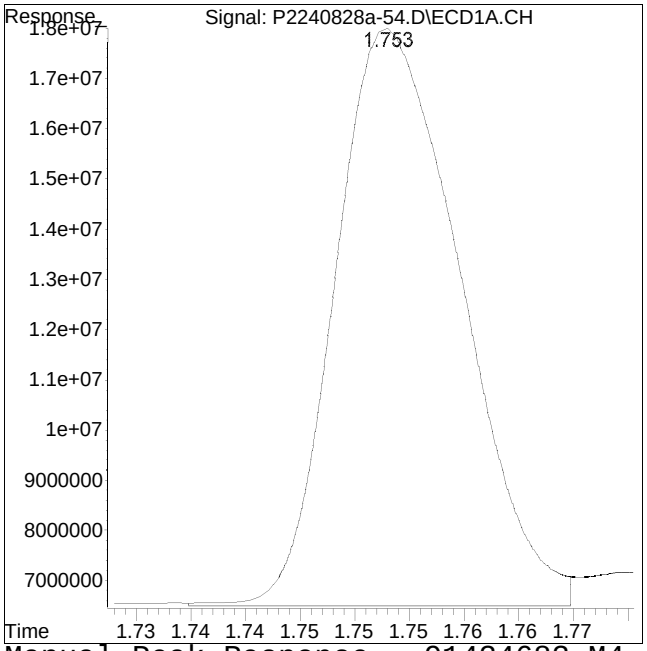
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #5: 1016-2



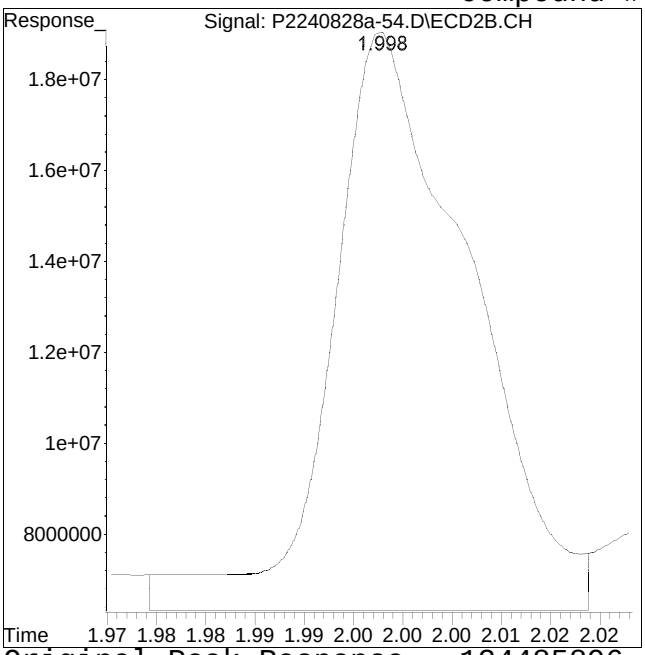


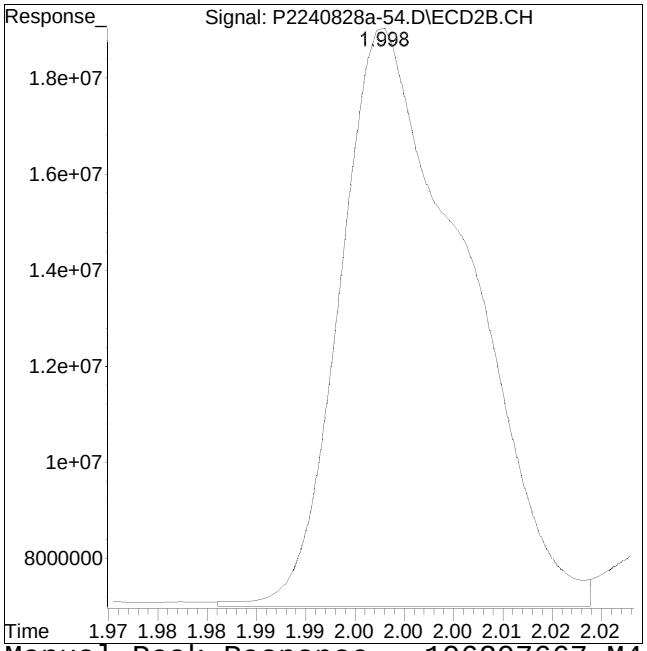
Original Peak Response = 104614386 Manual Peak Response = 91434683 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #56: 1016-2 #2



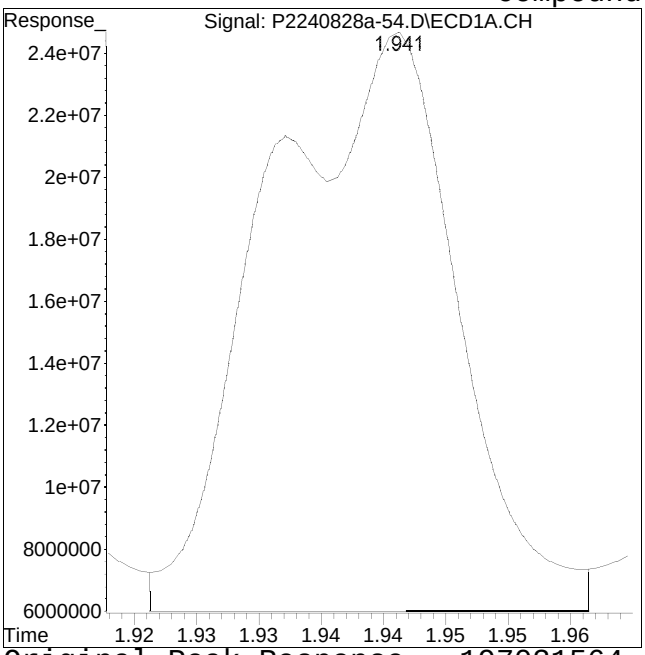


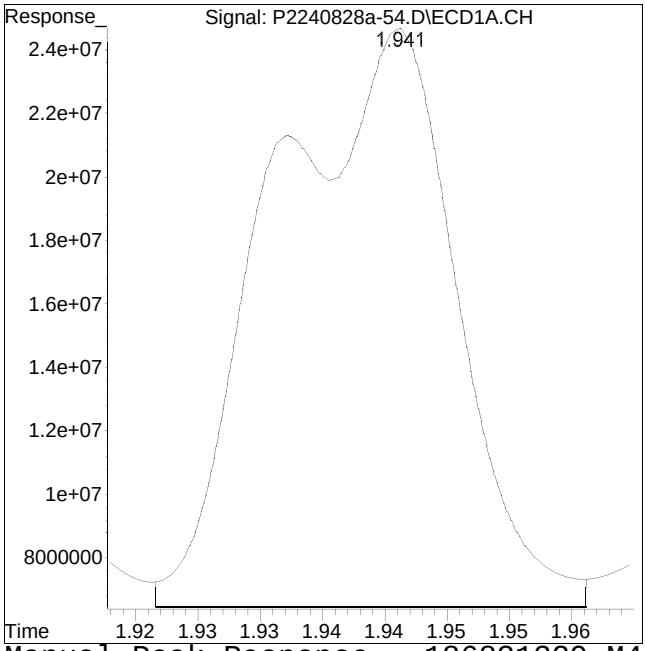
Original Peak Response = 124485896 Manual Peak Response = 106207667 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #6: 1016-3



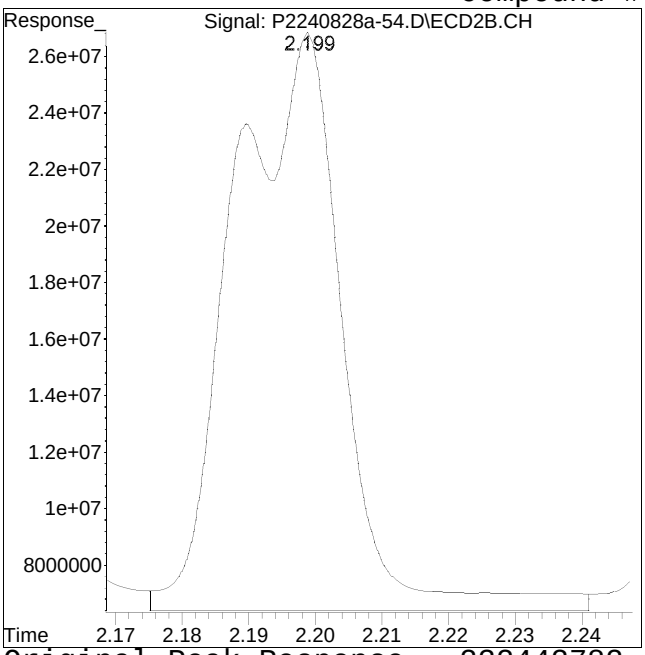


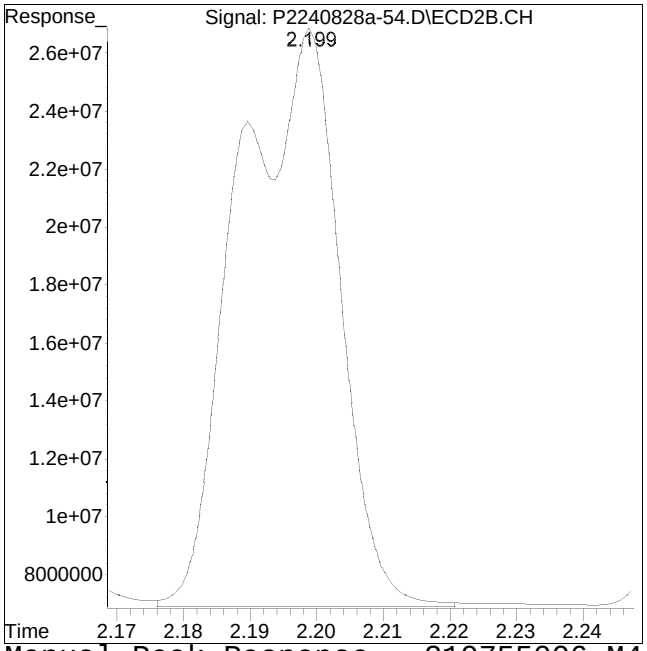
Original Peak Response = 197031564 Manual Peak Response = 186831329 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #57: 1016-3 #2



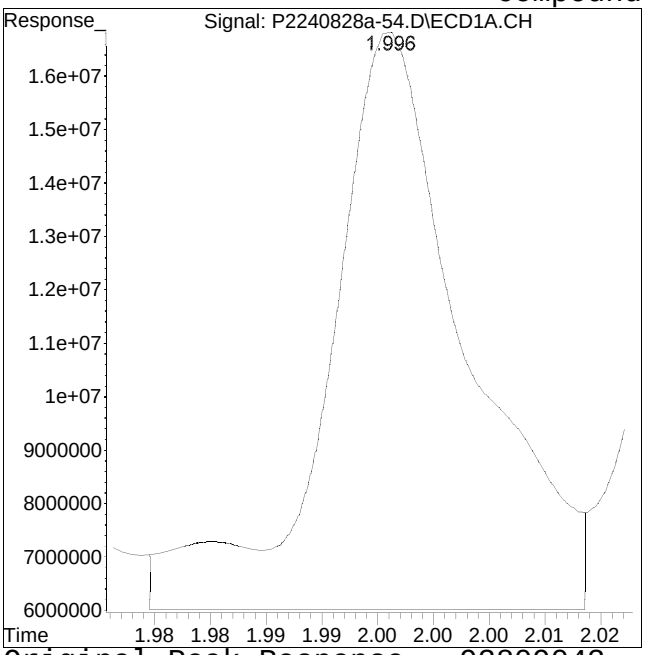


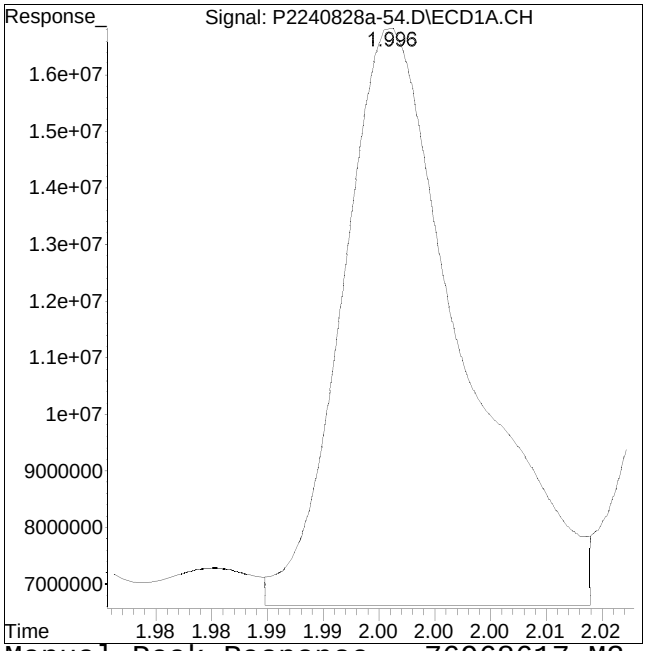
Original Peak Response = 232442782 Manual Peak Response = 210755006 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #7: 1016-4



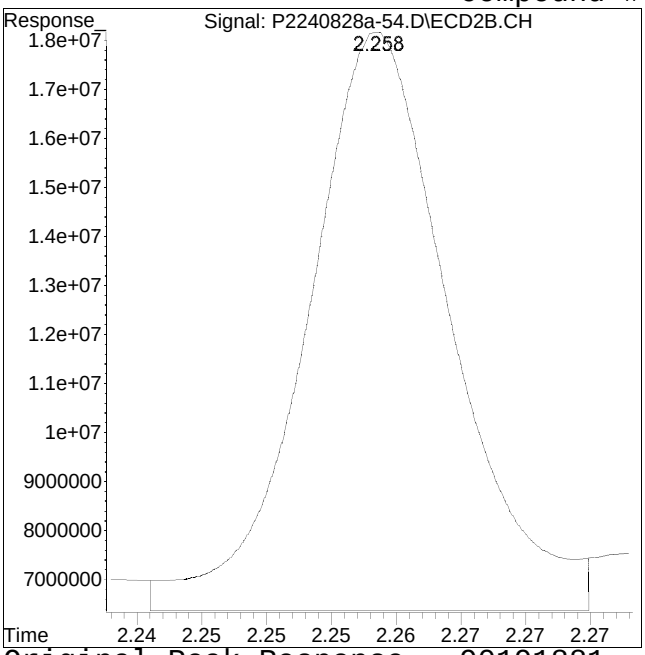


Original Peak Response = 93809043 Manual Peak Response = 76968617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

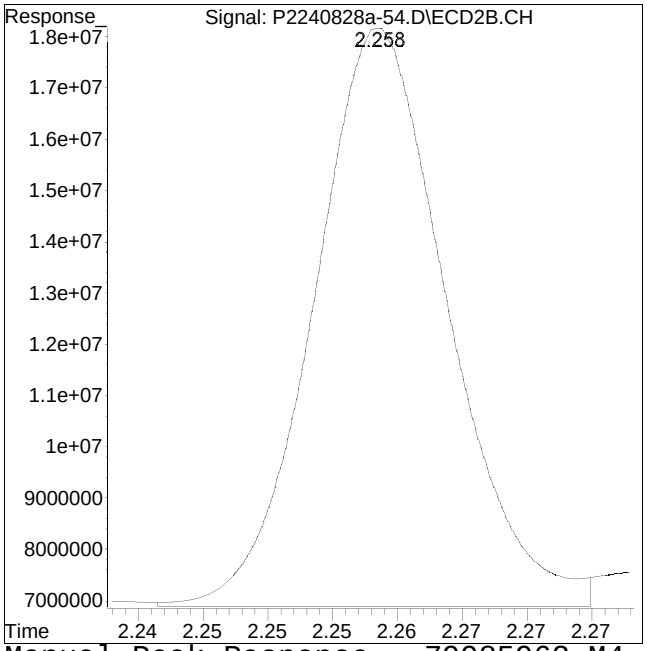
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #58: 1016-4 #2



Original Peak Response = 90191881



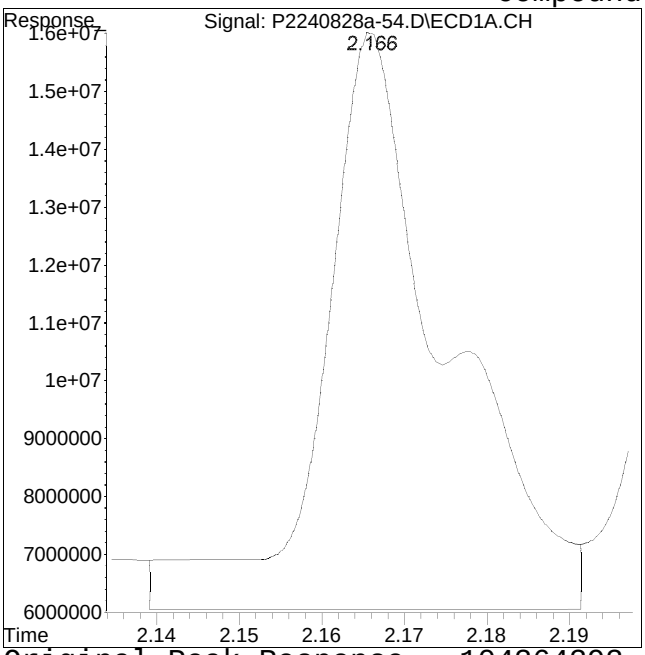
Manual Peak Response = 79985962 M4

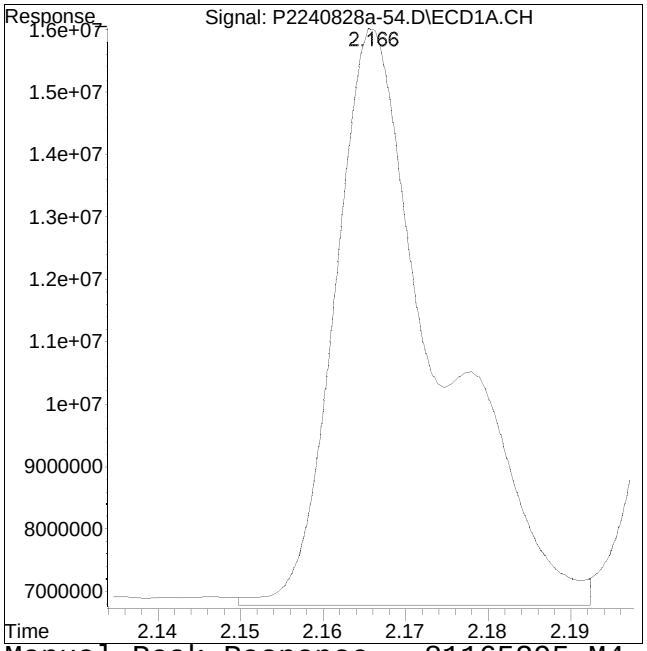
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #8: 1016-5



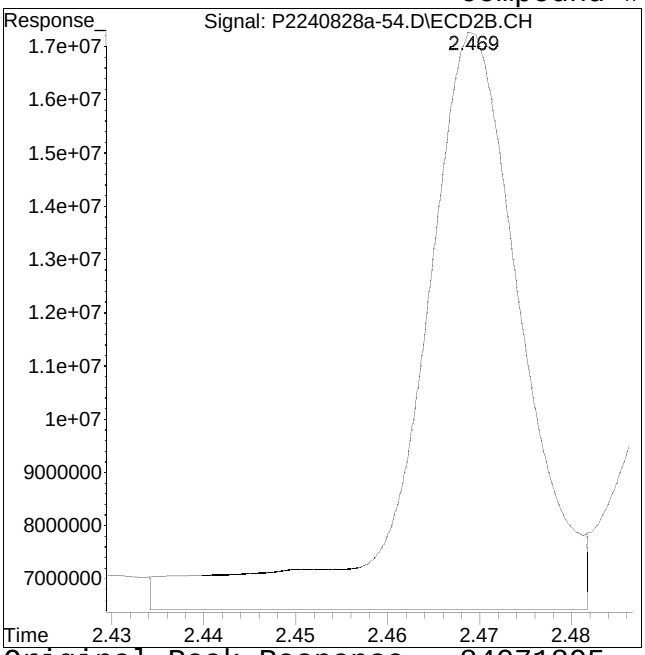


Original Peak Response = 104364393 Manual Peak Response = 81165295 M4
M4 = Poor automated baseline construction.

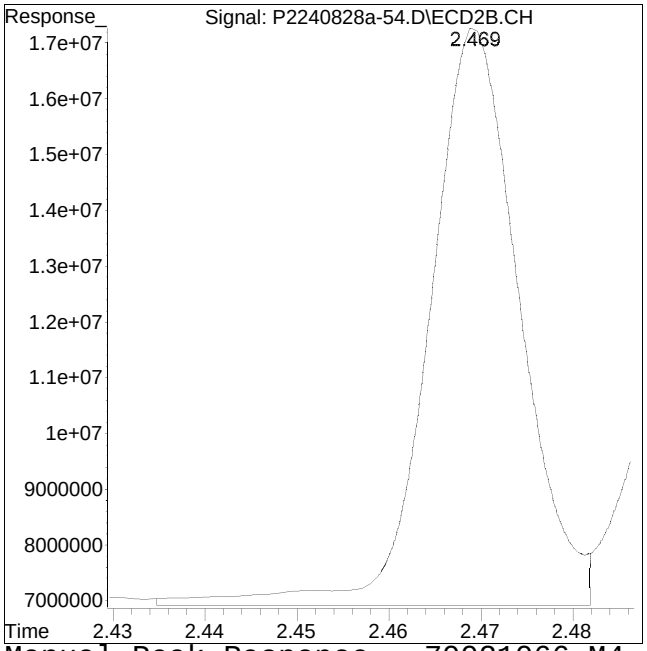
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #59: 1016-5 #2



Original Peak Response = 84071895



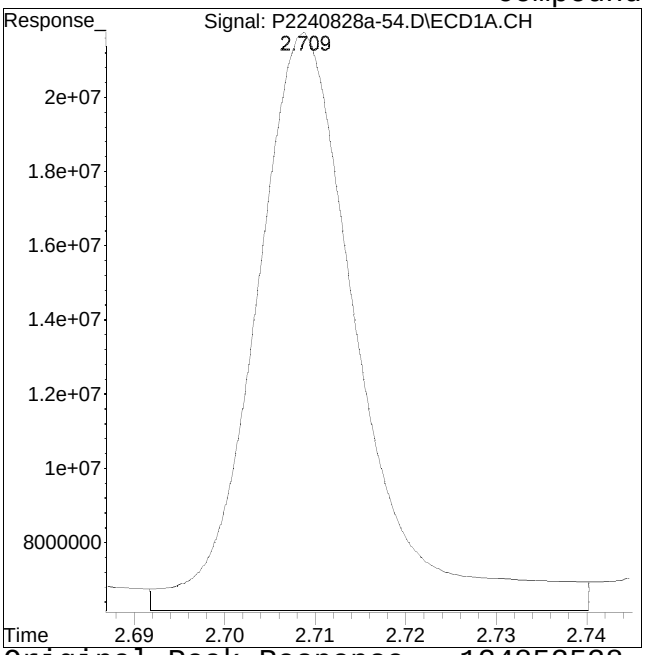
Manual Peak Response = 70021066 M4

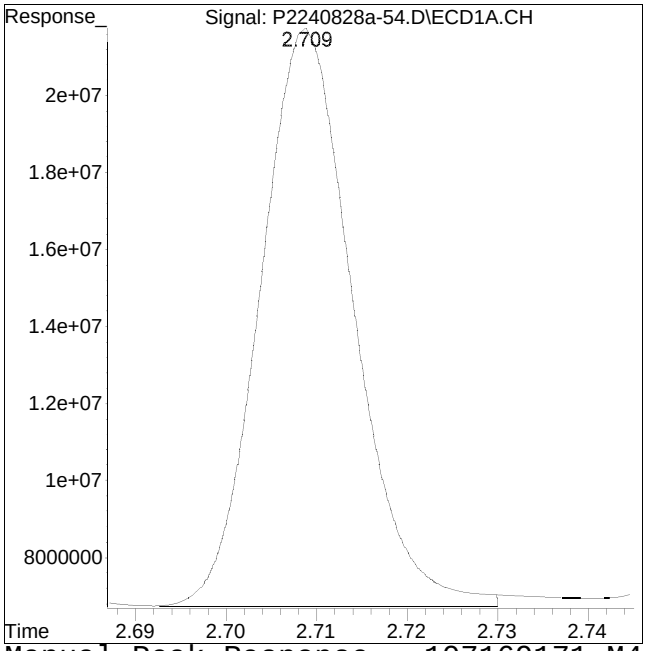
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #9: 1260-1



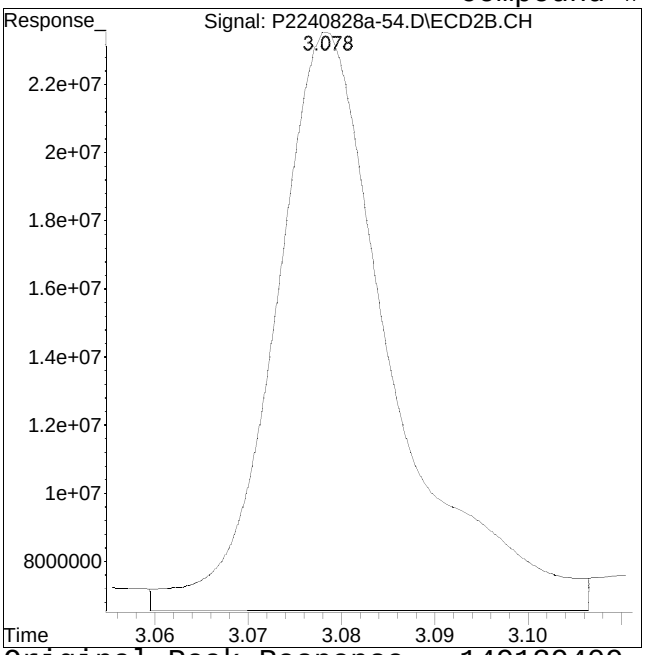


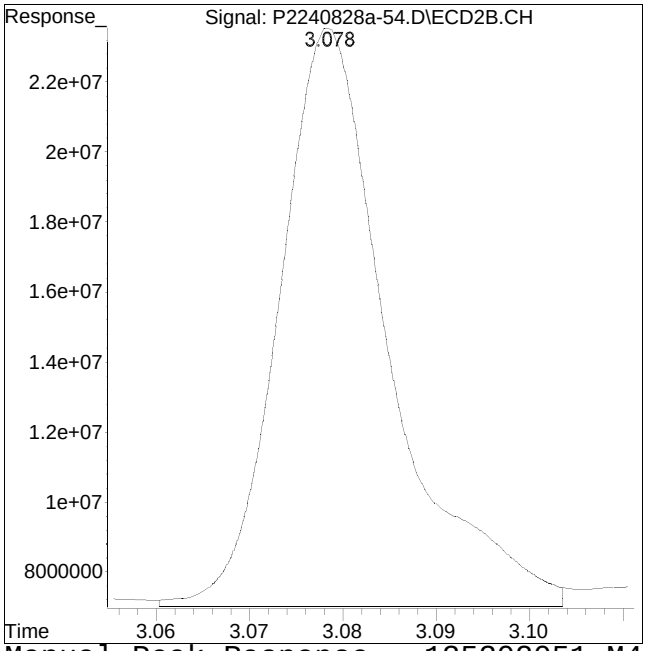
Original Peak Response = 124852538 Manual Peak Response = 107169171 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #60: 1260-1 #2



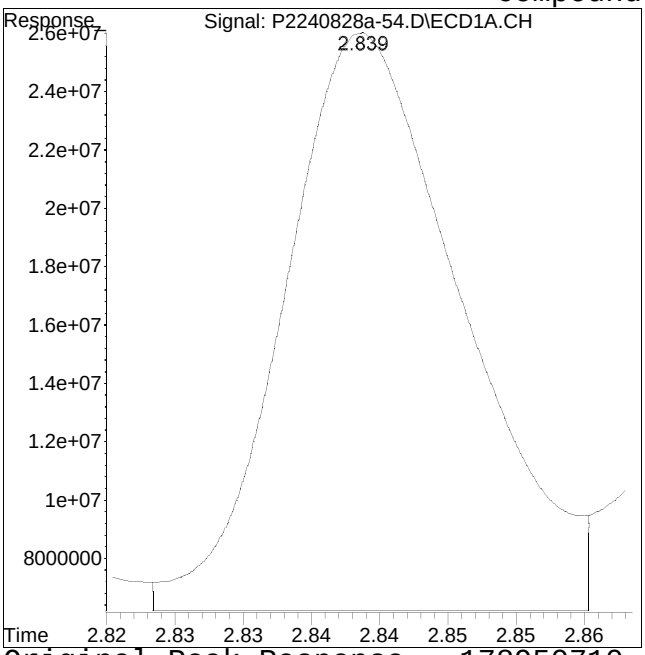


Original Peak Response = 149139409 Manual Peak Response = 135302051 M4
M4 = Poor automated baseline construction.

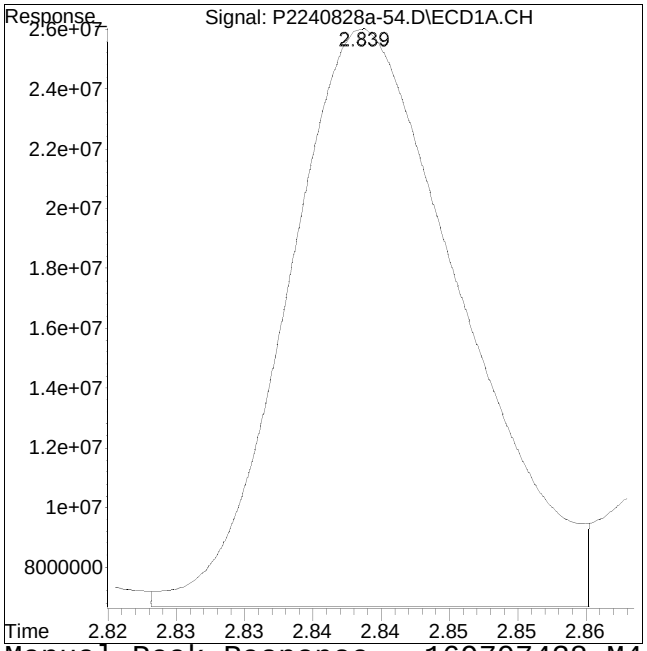
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #10: 1260-2



Original Peak Response = 178950710



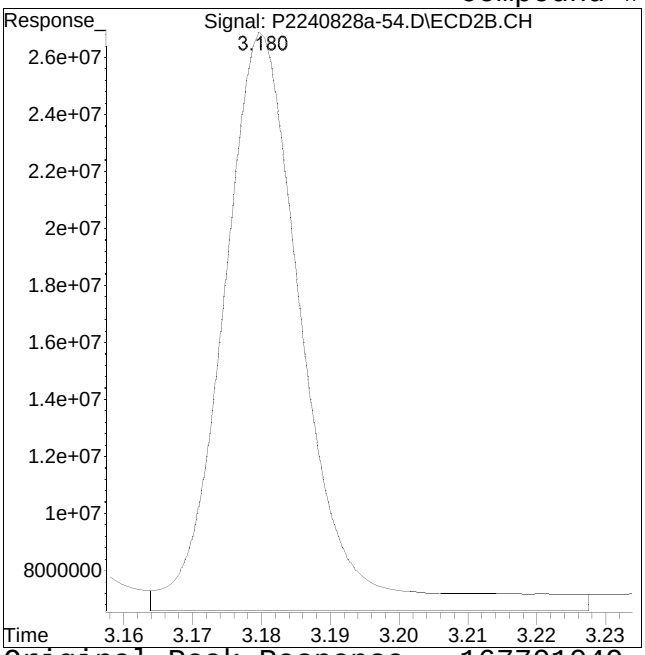
Manual Peak Response = 169707438 M4

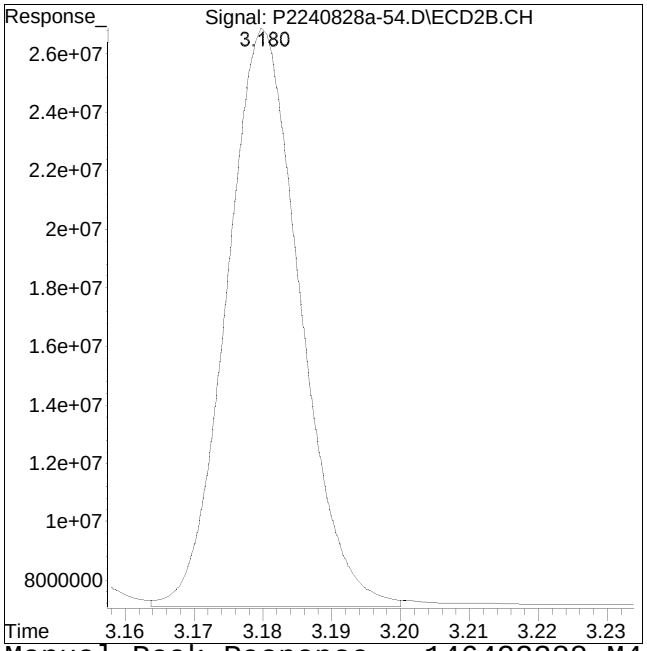
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #61: 1260-2 #2



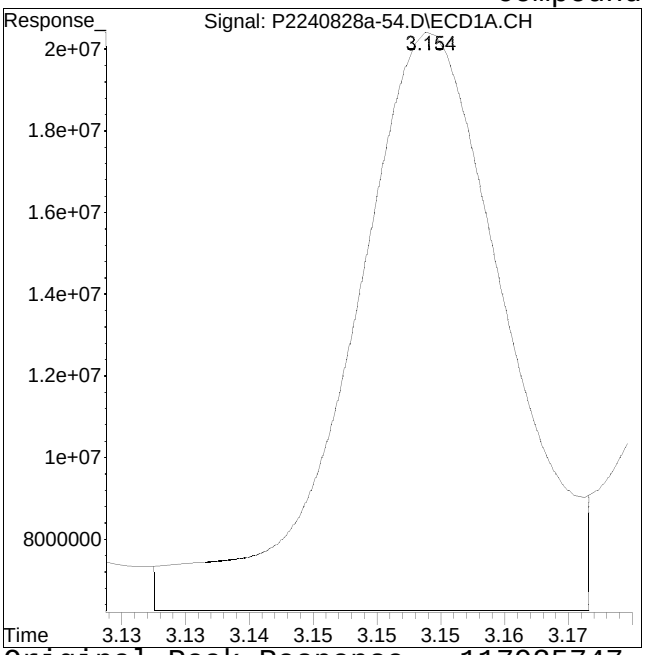


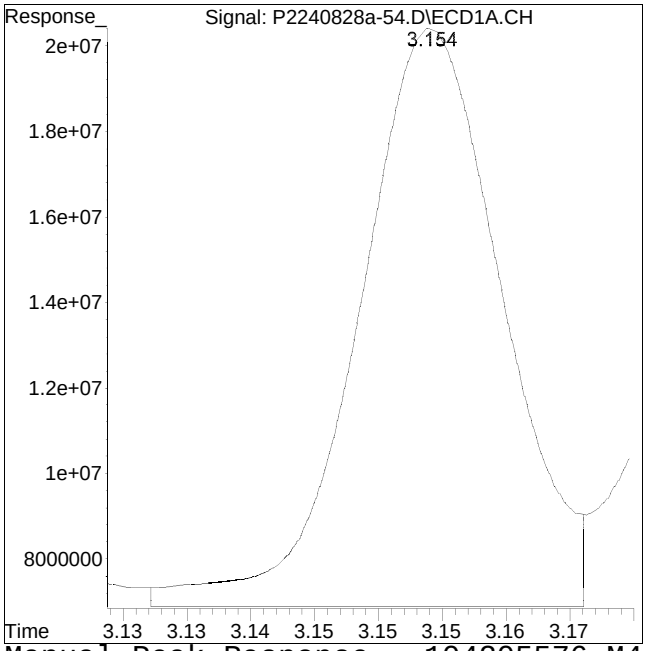
Original Peak Response = 167701049 Manual Peak Response = 146422388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #11: 1260-3



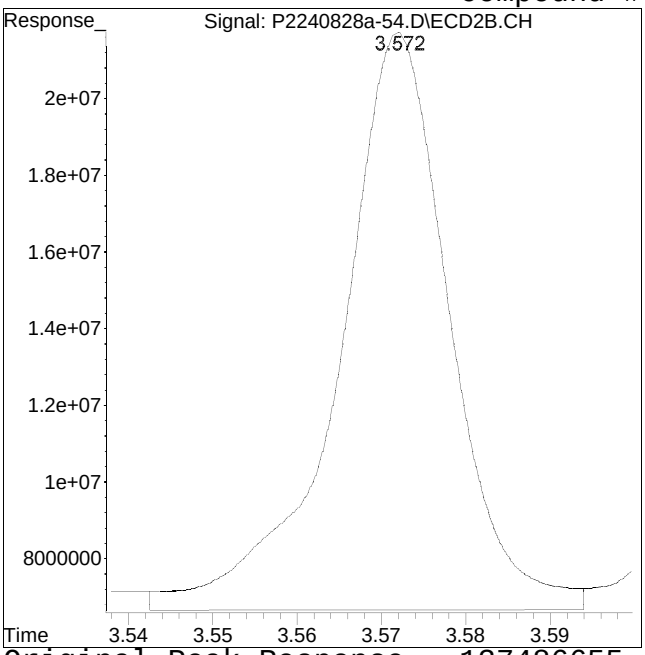


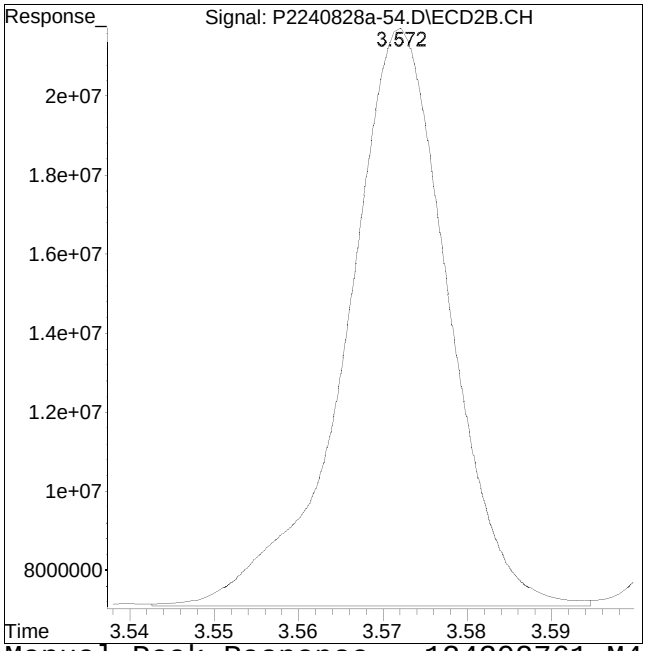
Original Peak Response = 117925747 Manual Peak Response = 104205576 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #62: 1260-3 #2



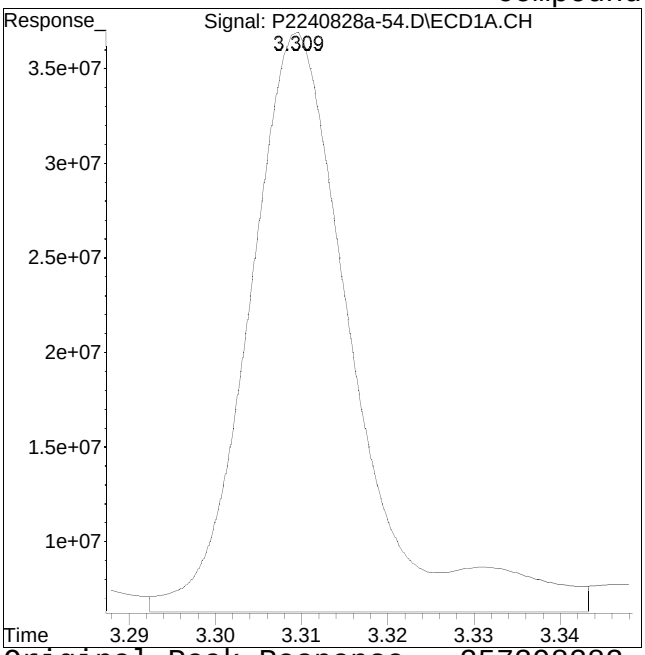


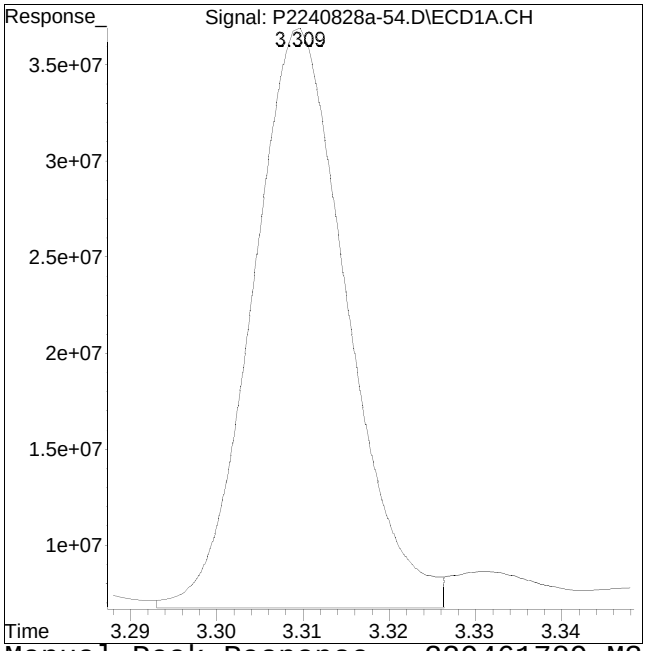
Original Peak Response = 137486655 Manual Peak Response = 124302761 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #12: 1260-4



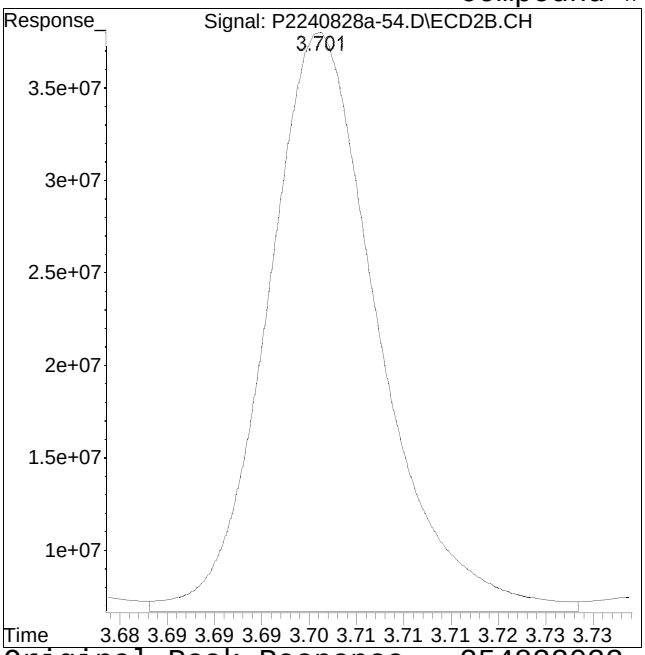


Original Peak Response = 257398383 Manual Peak Response = 229461789 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

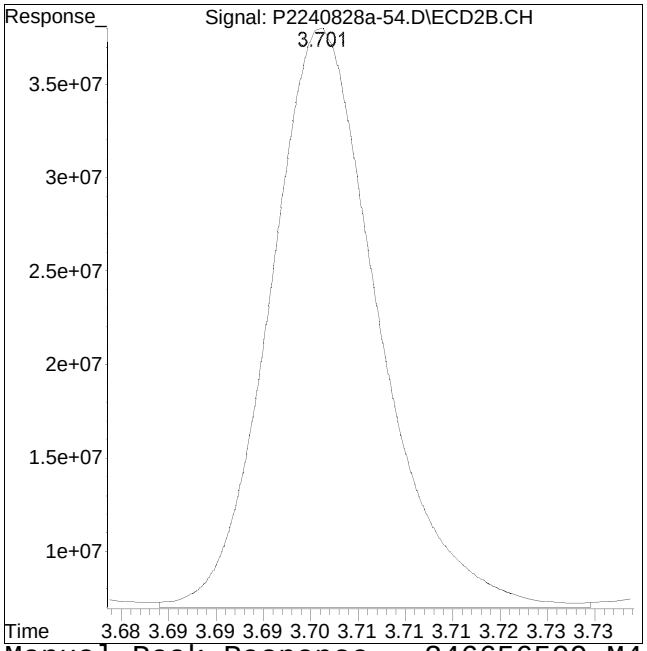
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #63: 1260-4 #2



Original Peak Response = 254832033



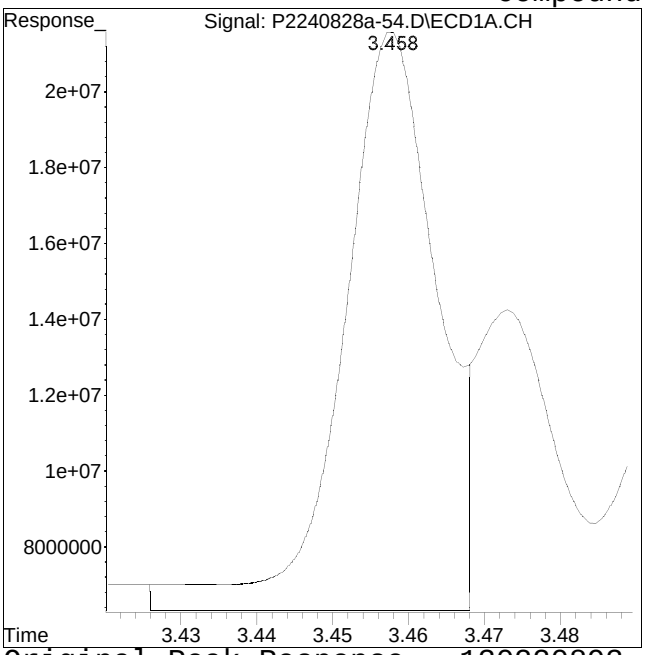
Manual Peak Response = 246656599 M4

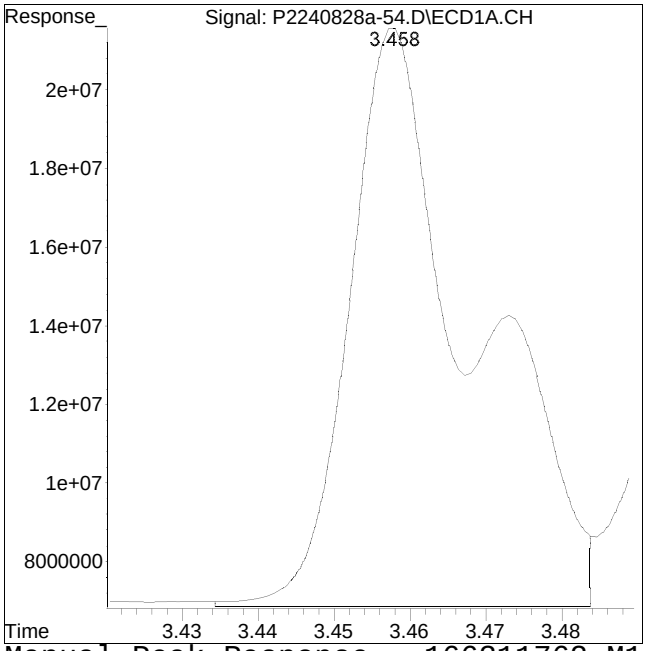
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #13: 1260-5



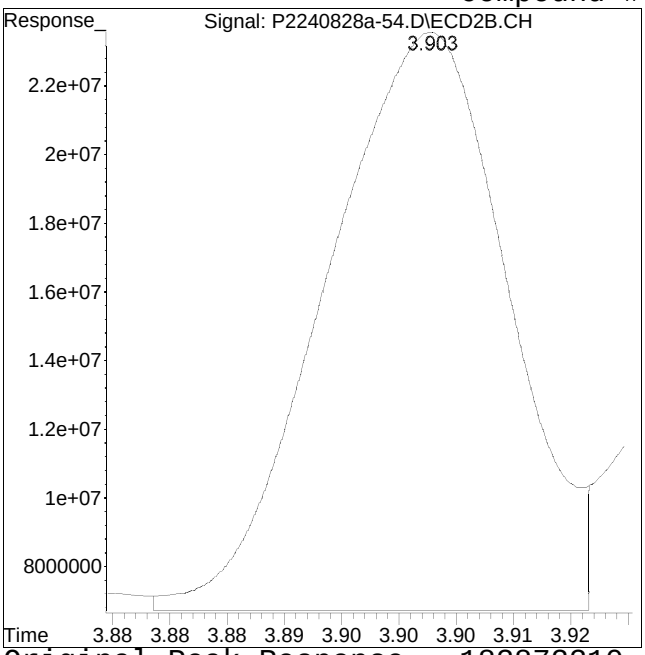


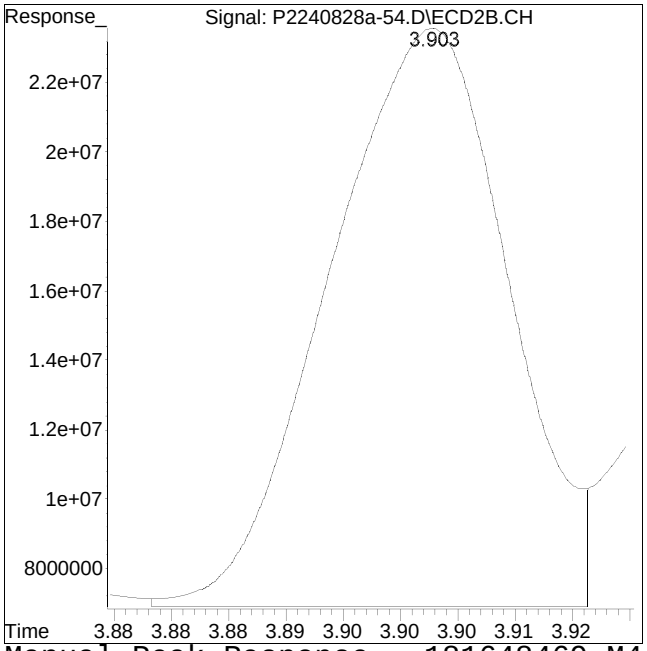
Original Peak Response = 130220893 Manual Peak Response = 166311762 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240828A\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240828a-54.D Operator : pest2:mhg
Date Inj'd : 8/28/2024 16:32 Instrument : Pest 2
Sample : WG1964696-5,42,, msd Quant Date : 8/29/2024 0:46 am

Compound #64: 1260-5 #2





Original Peak Response = 183872310 Manual Peak Response = 181648469 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_2
Date: **08/13/24**
Run: I

Method: 8082
GC: PCB LVI

Seq: WG1958782
IS: pp11567

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240813i-01	blank				
1	P2240813i-02	blank				
1	P2240813i-03	blank				
1	P2240813i-04	blank				
2	P2240813i-05	il54268,42e,,pp 11644 L250LVI				RMP 8/13
3	P2240813i-06	il53262,42e,,pp 11646 L250LVI				RMP 8/13
4	P2240813i-07	il51248,42e,,pp 11648 L250LVI				RMP 8/13
5	P2240813i-08	il52154,42e,,pp 11650 L250LVI				RMP 8/13
6	P2240813i-09	il11660,42e,,pp 11664 L4LVI				RMP 8/13
7	P2240813i-10	il21660,42e,,pp 11664 L10LVI				RMP 8/13
8	P2240813i-11	il31660,42e,,pp 11664 L50LVI				RMP 8/13
9	P2240813i-12	il41660,42e,,pp 11664 L100LVI				RMP 8/13
10	P2240813i-13	il51660,42e,,pp 11664 L250LVI				RMP 8/13
11	P2240813i-14	il61660,42e,,pp 11664 L500LVI				RMP 8/13
12	P2240813i-15	il71660,42e,,pp 11664 L1000LVI				RMP 8/13
13	P2240813i-16	cicv4268,42,,pp11623				RMP 8/13
14	P2240813i-17	cicv3262,42,,pp11622				RMP 8/13
15	P2240813i-18	cicv1248,42,,pp11620				RMP 8/13
16	P2240813i-19	cicv2154,42,,pp11619				RMP 8/13
17	P2240813i-20	cicv1660,42,,pp11621			emr	RMP 8/13

Dep.: PCB
Inst: Pest_2
Date: **08/28/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1964804
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240828a-01	blank				
1	P2240828a-02	blank				
1	P2240828a-03	blank				
4	P2240828a-04	+1660 lvi icv,,,pp 11621				
5	P2240828a-05	+1660 lvi icv,,,pp 11621	20% 6:47 akm			meo 8/28
6	P2240828a-06	+2154 lvi icv pp11619	pass			
7	P2240828a-07	+1248 lvi icv pp11620	fail			
8	P2240828a-08	+4268 lvi icv pp11623	fail			
9	P2240828a-09	blank				
10	P2240828a-10	+1248 lvi icv pp11620	fail			
11	P2240828a-11	+4268 lvi icv pp11623	42 - fail, 68 - pass			
12	P2240828a-12	WG1964346-1,42,,		meo		meo 8/28
13	P2240828a-13	WG1964346-2,42,,				meo 8/28
14	P2240828a-14	WG1964346-3,42,,				meo 8/28
15	P2240828a-15	L2448514-01,42,,,R3A				meo 8/28
16	P2240828a-16	L2448514-02,42,,,R3A				meo 8/28
17	P2240828a-17	L2448514-03,42,,,R3A				meo 8/28
18	P2240828a-18	L2448514-04,42,,,R3A				meo 8/28
19	P2240828a-19	L2448514-05,42,,,R3A				meo 8/28
20	P2240828a-20	L2448514-06,42,,,R3A				meo 8/28
21	P2240828a-21	L2448514-10,42,,,R3A				meo 8/28
22	P2240828a-22	L2448514-11,42,,,R3A				meo 8/28
23	P2240828a-23	L2448514-12,42,,,R3A				meo 8/28
24	P2240828a-24	L2448514-13,42,,,R3A			mhg	meo 8/28
25	P2240828a-25	WG1964696-1,42,,				meo 8/28
26	P2240828a-26	WG1964696-2,42,,				meo 8/28
27	P2240828a-27	WG1964696-3,42,,				meo 8/28
28	P2240828a-28	L2447008-02,42,,				meo 8/28
29	P2240828a-29	L2447008-03,42,,				meo 8/28
30	P2240828a-30	L2447008-04,42,,				meo 8/28
31	P2240828a-31	L2447008-05,42,,				meo 8/28
32	P2240828a-32	L2447008-06,42,,				meo 8/28
33	P2240828a-33	L2447813-01,42,,				meo 8/28
34	P2240828a-34	L2447813-02,42,,				meo 8/28
35	P2240828a-35	L2447813-03,42,,				meo 8/28
36	P2240828a-36	L2447813-04,42,,				meo 8/28
37	P2240828a-37	L2447813-05,42,,				meo 8/28
38	P2240828a-38	+1660 lvi icv,,,pp 11621	high, prime rr		meo	
39	P2240828a-39	prime				
40	P2240828a-40	+1660 lvi icv,,,pp 11621	low, bake		meo	
41	P2240828a-41	blank				
41	P2240828a-42	blank				
43	P2240828a-43	+1660 lvi icv,,,pp 11621	15% 14:29 meo		sdc	
44	P2240828a-44	blank				
45	P2240828a-45	+2154 lvi icv pp11619	pass			

Dep.: PCB
Inst: Pest_2
Date: **08/28/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1964804
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	P2240828a-46	+1248 lvi icv pp11620	fail			
47	P2240828a-47	+4268 lvi icv pp11623	fail		meo	
48	P2240828a-48	blank				
49	P2240828a-49	L2447844-01,42,,		meo		meo 8/28
50	P2240828a-50	L2447844-02,42,,				meo 8/28
51	P2240828a-51	L2447844-03,42,,				meo 8/28
52	P2240828a-52	L2447890-03,42,, p				
53	P2240828a-53	WG1964696-4,42,, ms				
54	P2240828a-54	WG1964696-5,42,, msd			sdc	

Dep.: PCB
Inst: Pest_2
Date: **08/29/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1965377
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240829a-01	blank				
1	P2240829a-02	blank				
1	P2240829a-03	blank				
4	P2240829a-04	+1660 lvi icv,,,pp 11621	20% 6:00 akm			mhg 8/29
5	P2240829a-05	+2154 lvi icv pp11619				
6	P2240829a-06	+1248 lvi icv pp11620				
7	P2240829a-07	+4268 lvi icv pp11623				
8	P2240829a-08	WG1965082-1,42,, 68 80 81		mhg		mhg 8/29
9	P2240829a-09	WG1965082-2,42,, 68 80 81				mhg 8/29
10	P2240829a-10	WG1965082-3,42,, 68 80 81				mhg 8/29
11	P2240829a-11	L2448672-01,42,,,R3A				mhg 8/29
12	P2240829a-12	L2448672-02,42,,,R3A				mhg 8/29
13	P2240829a-13	L2448672-03,42,,,R3A p				mhg 8/29
14	P2240829a-14	WG1965068-4,42,, ms				mhg 8/29
15	P2240829a-15	WG1965068-5,42,, msd				mhg 8/29
16	P2240829a-16	L2448672-04,42,,,R3A				mhg 8/29
17	P2240829a-17	L2448672-05,42,,,R3A				mhg 8/29
18	P2240829a-18	L2448672-06,42,,,R3A				mhg 8/29
19	P2240829a-19	L2448672-07,42,,,R3A				mhg 8/29
20	P2240829a-20	L2448976-04,42,,,R3A				mhg 8/29
21	P2240829a-21	L2448976-05,42,,,R3A				mhg 8/29
22	P2240829a-22	L2448976-06,42,,,R3A			mhg	mhg 8/29
23	P2240829a-23	WG1965293-1,42,,				mhg 8/29
24	P2240829a-24	WG1965293-2,42,,				mhg 8/29
25	P2240829a-25	WG1965293-3,42,,				mhg 8/29
26	P2240829a-26	L2449053-01,42,,,R3A				mhg 8/29
27	P2240829a-27	L2447381-01,42,,				mhg 8/29
28	P2240829a-28	L2447263-01,42,, lan				mhg 8/29
29	P2240829a-29	L2447840-01,42,,				mhg 8/29
30	P2240829a-30	WG1965038-1,42,,				mhg 8/29
31	P2240829a-31	WG1965038-2,42,,				mhg 8/29
32	P2240829a-32	WG1965038-3,42,,				mhg 8/29
33	P2240829a-33	L2447387-01,42,,				mhg 8/29
34	P2240829a-34	L2448976-07,42,,,R3A				mhg 8/29
35	P2240829a-35	L2448976-08,42,,,R3A				mhg 8/29
36	P2240829a-36	L2448976-09,42,,,R3A				mhg 8/29
37	P2240829a-37	L2448976-10,42,,,R3A				mhg 8/29
38	P2240829a-38	L2448976-11,42,,,R3A				mhg 8/29
39	P2240829a-39	+1660 lvi icv,,,pp 11621	15% 15:06 mhg		sdc	meo 8/29
40	P2240829a-40	+2154 lvi icv pp11619	fail			
41	P2240829a-41	+1248 lvi icv pp11620	fail			
42	P2240829a-42	+4268 lvi icv pp11623	fail			
43	P2240829a-43	WG1965202-1,42,,		meo		meo 8/29
44	P2240829a-44	WG1965202-2,42,,				meo 8/29
45	P2240829a-45	WG1965202-3,42,,				meo 8/29

Dep.: PCB
Inst: Pest_2
Date: **08/29/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1965377
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	P2240829a-46	L2448072-01,42,,,R3E				meo 8/29
47	P2240829a-47	L2448072-02,42,,,R3E				meo 8/29
48	P2240829a-48	L2448072-03,42,,,R3E				meo 8/29
49	P2240829a-49	L2447890-01,42,,				
50	P2240829a-50	L2447890-02,42,,				
51	P2240829a-51	L2447890-04,42,,				
52	P2240829a-52	L2447890-05,42,,				
53	P2240829a-53	L2447890-06,42,,				
54	P2240829a-54	L2447890-07,42,,				
55	P2240829a-55	L2447890-08,42,,				
56	P2240829a-56	L2447890-09,42,,				
57	P2240829a-57	L2447890-10,42,,				
58	P2240829a-58	L2447890-11,42,,				
59	P2240829a-59	L2447890-12,42,,				
60	P2240829a-60	L2447890-13,42,,				
61	P2240829a-61	L2448466-11,42,,,R5E				
62	P2240829a-62	L2448976-12,42,,,R3A				
63	P2240829a-63	L2448976-13,42,,,R3A			meo	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 30 2024, 08:54 am

Work Group: WG1964696 for Department: 2 Organic Preparation

Created: 28-AUG-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447008-02	SESI-MW-106	C	NYTCL-8082-LVI	WATER	DONE	U	0816	0828	S0	Amber-A.120
L2447008-03	SESI-MW-108	C	NYTCL-8082-LVI	WATER	DONE	U	0816	0828	S0	Amber-A.120
L2447008-04	SESI-MW-107	C	NYTCL-8082-LVI	WATER	DONE	U	0816	0828	S0	Amber-A.120
L2447008-05	MW-1	C	NYTCL-8082-LVI	WATER	DONE	U	0816	0828	S0	Amber-A.120
L2447008-06	DUP-1	C	NYTCL-8082-LVI	WATER	DONE	U	0816	0828	S0	Amber-A.120
L2447813-01	HRP-MW-5B 082124	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447813-02	MW-21A 082124	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447813-03	MW-21B 082124	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447813-04	MW-19A 082124	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447813-05	MW-19B 082124	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447844-01	BG-S-6	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447844-02	BG-I-6	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447844-03	BG-D-6	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-03	MW-6B	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0828	S0	Amber-A.120
WG1964696-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1964696-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1964696-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1964696-4	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1964696-5	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG1964696-3	WG1964696-2
WG1964696-4	L2447890-03
WG1964696-5	L2447890-03

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 30 2024, 08:54 am

Work Group: WG1965202 for Department: 2 Organic Preparation

Created: 28-AUG-24 Due: Operator: RSN

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447890-01	MW-3A	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-02	MW-6A	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0828	S0	Amber-A.120
L2447890-04	MW-6C	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0828	S0	Amber-A.120
L2447890-05	MW-7A	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0828	S0	Amber-A.120
L2447890-06	MW-7B	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-07	MW-7C	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-08	MW-8A	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-09	MW-8B	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-10	MW-8C2	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-11	MW-9B	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-12	DUP	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2447890-13	FIELD BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	0821	0828	S0	Amber-A.120
L2448072-01	UST-WA-4-5	S	NYTCL-8082-LVI	WATER	DONE	U	0822	0829	3E	Amber-A.120
L2448072-02	UST-WA-2-3	S	NYTCL-8082-LVI	WATER	DONE	U	0822	0829	3E	Amber-A.120
L2448072-03	UST-WA-0-1	S	NYTCL-8082-LVI	WATER	DONE	U	0822	0829	3E	Amber-A.120
L2448466-11	FIELD BLANK 20240823	S	NYTCL-8082-LVI	WATER	DONE	U	0823	0830	5E	Amber-A.120
WG1965202-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1965202-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1965202-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG1965202-3 WG1965202-2

ORGANIC ELN REPORT

Workgroup: WG1965202

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: Pesticide/PCB **Lot #:** pp11723AF,02/06/2025,7C,5,4
Spike Type: PCB **Lot #:** pp11557AB,09/11/2024,6L,5,1
Spike Verify by: RSN
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI962

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** ei926

Additional Reagents/Stds

H2SO4	2024071607

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI962

Additional Reagents/Stds

Copper	2401cpg001

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447890-01 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-02 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-04 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-05 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1

Reported: 30-AUG-24 08:54 AM

ORGANIC ELN REPORT

Workgroup: WG1965202

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447890-06 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-07 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-08 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-09 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-10 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-11 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-12 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-13 SAMP	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1

Reported: 30-AUG-24 08:54 AM

ORGANIC ELN REPORT

Workgroup: WG1965202

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2448072-01 WATER	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2448072-02 WATER	08/28/24 22:13	Yaw Adu	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2448072-03 WATER	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
L2448466-11 WATER	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
WG1965202-1 BLANK	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1		08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
WG1965202-2 LCS	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1	.1	08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1
WG1965202-3 LCSD	08/28/24 18:51	Richard Nyarko	140	>5,<9	.1	.1	08/29/24 01:52	Rabbi Kyei-Baffour	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1965202

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2447890-01 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-02 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-04 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-05 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-06 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-07 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-08 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-09 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-10 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-11 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2447890-12 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie

Reported: 30-AUG-24 08:54 AM

ORGANIC ELN REPORT

Workgroup: WG1965202

Sample/ Type	Cleanup 1 Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup 2 Cleanup Date	Analyst
L2447890-13 SAMP	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2448072-01 WATER	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2448072-02 WATER	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2448072-03 WATER	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
L2448466-11 WATER	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
WG1965202-1 BLANK	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
WG1965202-2 LCS	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie
WG1965202-3 LCSD	08/29/24 05:36	Alaina Ohara-Cruz	5	1	08/29/24 11:02	Priscilla Sarkodie

ORGANIC ELN REPORT

Workgroup: WG1964696

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EI926
Surrogate Type: Pesticide/PCB **Lot #:** PP11723-AF[02/06/25]
Spike Type: PCB **Lot #:** PP11557-AB[09/11/24]
Spike Verify by: ARP
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI962

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI962

Additional Reagents/Stds

H2SO4	2024071607

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI962

Additional Reagents/Stds

Copper	2401cpg001

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447008-02 WATER	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447008-03 WATER	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447008-04 WATER	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447008-05 WATER	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1

Reported: 30-AUG-24 08:54 AM

ORGANIC ELN REPORT

Workgroup: WG1964696

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447008-06 WATER	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447813-01 SAMP	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447813-02 SAMP	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447813-03 SAMP	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447813-04 SAMP	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447813-05 SAMP	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447844-01 SAMP	08/28/24 00:49	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447844-02 SAMP	08/28/24 00:49	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1964696

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447844-03 SAMP	08/28/24 00:49	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
L2447890-03 SAMP	08/28/24 00:49	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
WG1964696-1 BLANK	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1		08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
WG1964696-2 LCS	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1	.1	08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
WG1964696-3 LCSD	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1	.1	08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
WG1964696-4 MS	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1	.1	08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1
WG1964696-5 MSD	08/28/24 00:40	Amanda Patterson	140	>5, <9	.1	.1	08/28/24 05:21	Rabbi Kyei-Baffour	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1964696

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2447008-02 WATER	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447008-03 WATER	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447008-04 WATER	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447008-05 WATER	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447008-06 WATER	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447813-01 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447813-02 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447813-03 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447813-04 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447813-05 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447844-01 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah

Reported: 30-AUG-24 08:54 AM

ORGANIC ELN REPORT

Workgroup: WG1964696

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2447844-02 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447844-03 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
L2447890-03 SAMP	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
WG1964696-1 BLANK	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
WG1964696-2 LCS	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
WG1964696-3 LCSD	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
WG1964696-4 MS	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah
WG1964696-5 MSD	08/28/24 05:33	Helen Amankwah	5	1	08/28/24 09:13	Helen Amankwah

GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-3A (L2447890-01)	58	63	56	63			0
MW-6A (L2447890-02)	66	73	64	72			0
MW-6B (L2447890-03)	65	70	65	77			0
MW-6C (L2447890-04)	56	60	58	65			0
MW-7A (L2447890-05)	63	68	65	75			0
MW-7B (L2447890-06)	67	74	66	75			0
MW-7C (L2447890-07)	64	70	66	74			0
MW-8A (L2447890-08)	61	67	56	64			0
MW-8B (L2447890-09)	66	74	67	74			0
MW-8C2 (L2447890-10)	61	66	57	70			0
MW-9B (L2447890-11)	60	66	59	69			0
DUP (L2447890-12)	63	66	58	68			0
FIELD BLANK (L2447890-13)	58	64	44	55			0
WG1964642-1BLANK	54	58	58	64			0
WG1964642-2LCS	60	64	61	67			0
WG1964642-3LCSD	61	67	65	73			0
MW-6BMS	62	67	63	71			0
MW-6BMSD	57	62	59	68			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8081

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964642-2	**Analysis Date** : 08/28/24 12:00	**File ID** : 10240828a-29
LCSD Sample ID	: WG1964642-3	**Analysis Date** : 08/28/24 12:11	**File ID** : 10240828a-30

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.357	0.193	54	0.357	0.196	55	2	30-150	20
Lindane	0.357	0.212	59	0.357	0.215	60	1	30-150	20
Alpha-BHC	0.357	0.212	59	0.357	0.215	60	1	30-150	20
Beta-BHC	0.357	0.208	58	0.357	0.210	59	1	30-150	20
Heptachlor	0.357	0.225	63	0.357	0.229	64	2	30-150	20
Aldrin	0.357	0.202	57	0.357	0.204	57	1	30-150	20
Heptachlor epoxide	0.357	0.218	61	0.357	0.222	62	2	30-150	20
Endrin	0.357	0.226	63	0.357	0.230	64	2	30-150	20
Endrin aldehyde	0.357	0.184	52	0.357	0.193	54	5	30-150	20
Endrin ketone	0.357	0.240	67	0.357	0.246	69	2	30-150	20
Dieldrin	0.357	0.242	68	0.357	0.245	69	1	30-150	20
4,4'-DDE	0.357	0.210	59	0.357	0.215	60	2	30-150	20
4,4'-DDD	0.357	0.230	64	0.357	0.236	66	3	30-150	20
4,4'-DDT	0.357	0.220	62	0.357	0.227	64	3	30-150	20
Endosulfan I	0.357	0.213	60	0.357	0.218	61	2	30-150	20
Endosulfan II	0.357	0.231	65	0.357	0.235	66	2	30-150	20
Endosulfan sulfate	0.357	0.228	64	0.357	0.236	66	4	30-150	20
Methoxychlor	0.357	0.226	63	0.357	0.231	65	2	30-150	20
cis-Chlordane	0.357	0.192	54	0.357	0.196	55	2	30-150	20
trans-Chlordane	0.357	0.241	68	0.357	0.246	69	2	30-150	20

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447890-03	**Analysis Date**	: 08/28/24 12:44
Matrix Spike	: WG1964642-4	**MS Analysis Date**	: 08/28/24 12:55
Matrix Spike Dup	: WG1964642-5	**MSD Analysis Date**	: 08/28/24 13:06

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	ND	0.357	0.201	56	0.357	0.180	50	11	30-150	30
Lindane	ND	0.357	0.218	61	0.357	0.196	55	11	30-150	30
Alpha-BHC	ND	0.357	0.218	61	0.357	0.197	55	10	30-150	30
Beta-BHC	ND	0.357	0.214	60	0.357	0.194	54	10	30-150	30
Heptachlor	ND	0.357	0.229	64	0.357	0.207	58	10	30-150	30
Aldrin	ND	0.357	0.202	57	0.357	0.183	51	10	30-150	30
Heptachlor epoxide	ND	0.357	0.224	63	0.357	0.204	57	9	30-150	30
Endrin	ND	0.357	0.232	65	0.357	0.212	59	9	30-150	30
Endrin aldehyde	ND	0.357	0.191	54	0.357	0.174	49	9	30-150	30
Endrin ketone	ND	0.357	0.246	69	0.357	0.224	63	9	30-150	30
Dieldrin	ND	0.357	0.248	69	0.357	0.228	64	8	30-150	30
4,4'-DDE	ND	0.357	0.216	60	0.357	0.194	54	11	30-150	30
4,4'-DDD	ND	0.357	0.238	67	0.357	0.218	61	9	30-150	30
4,4'-DDT	ND	0.357	0.222	62	0.357	0.209	58	6	30-150	30
Endosulfan I	ND	0.357	0.220	62	0.357	0.199	56	10	30-150	30
Endosulfan II	ND	0.357	0.237	66	0.357	0.214	60	10	30-150	30
Endosulfan sulfate	ND	0.357	0.235	66	0.357	0.214	60	9	30-150	30
Methoxychlor	ND	0.357	0.232	65	0.357	0.212	59	9	30-150	30
cis-Chlordane	ND	0.357	0.197	55	0.357	0.174	49	12	30-150	30
trans-Chlordane	ND	0.357	0.249	70	0.357	0.224	63	11	30-150	30

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1964642-1	**Lab File ID**	: 10240828a-28
Matrix	: WATER	**Extraction Date**	: 08/27/24
Analysis Date (1)	: 08/28/24 11:49	**Analysis Date (2)**	: 08/28/24 11:49
Instrument ID (1)	: PEST10	**Instrument ID (2)**	: PEST10

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1964642-2LCS	WG1964642-2	08/28/24 12:00	08/28/24 12:00
WG1964642-3LCSD	WG1964642-3	08/28/24 12:11	08/28/24 12:11
MW-3A	L2447890-01	08/28/24 12:22	08/28/24 12:22
MW-6A	L2447890-02	08/28/24 12:33	08/28/24 12:33
MW-6B	L2447890-03	08/28/24 12:44	08/28/24 12:44
MW-6BMS	WG1964642-4	08/28/24 12:55	08/28/24 12:55
MW-6BMSD	WG1964642-5	08/28/24 13:06	08/28/24 13:06
MW-6C	L2447890-04	08/28/24 13:17	08/28/24 13:17
MW-7B	L2447890-06	08/28/24 13:28	08/28/24 13:28
MW-7A	L2447890-05	08/28/24 14:37	08/28/24 14:37
MW-7C	L2447890-07	08/28/24 14:49	08/28/24 14:49
MW-8A	L2447890-08	08/28/24 15:00	08/28/24 15:00
MW-8B	L2447890-09	08/28/24 15:11	08/28/24 15:11
MW-8C2	L2447890-10	08/28/24 15:22	08/28/24 15:22
MW-9B	L2447890-11	08/28/24 15:33	08/28/24 15:33
DUP	L2447890-12	08/28/24 15:44	08/28/24 15:44
FIELD BLANK	L2447890-13	08/28/24 15:55	08/28/24 15:55

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST10	**Initial Calib. Date(s)**	: 07/17/24 07/19/24

Client ID	Lab ID	Date/Time Analyzed
R1854795-1 PEM	R1854795-1	07/17/24 11:58
Pesticides L1 (0.5ug/L)	R1854795-2	07/17/24 12:09
Pesticides L2 (1.0ug/L)	R1854795-3	07/17/24 12:20
Pesticides L3 (2.0ug/L)	R1854795-4	07/17/24 12:31
Pesticides L4 (3.0ug/L)	R1854795-5	07/17/24 12:42
Pesticides L5 (4.0ug/L)	R1854795-6	07/17/24 12:53
Pesticides L7 (10.0ug/L)	R1854795-7	07/17/24 13:04
Pesticides L8 (50.0ug/L)	R1854795-8	07/17/24 13:15
Pesticides L9 (100ug/L)	R1854795-9	07/17/24 13:26
Pesticides L10 (200ug/L)	R1854795-10	07/17/24 13:37
Pesticides L11 (400ug/L)	R1854795-11	07/17/24 13:48
R1854795-12 ICV	R1854795-12	07/17/24 13:59
Chlordane L3 (10ug/L)	R1854795-13	07/17/24 14:11
Chlordane L4 (20ug/L)	R1854795-14	07/17/24 14:22
Chlordane L5 (100ug/L)	R1854795-15	07/17/24 14:33
Chlordane L7 (500ug/L)	R1854795-16	07/17/24 14:43
Chlordane L8 (1000ug/L)	R1854795-17	07/17/24 14:54
Chlordane L9 (2000ug/L)	R1854795-18	07/17/24 15:06
Chlordane L10 (5000ug/L)	R1854795-20	07/17/24 15:17
R1854795-19 ICV	R1854795-19	07/17/24 15:28
R1854795-21 PEM	R1854795-21	07/19/24 10:55
Toxaphene L3 (20.0ug/L)	R1854795-22	07/19/24 11:06
Toxaphene L4 (100ug/L)	R1854795-23	07/19/24 11:17
Toxaphene L7 (1000ug/L)	R1854795-24	07/19/24 11:28
Toxaphene L8 (2000ug/L)	R1854795-25	07/19/24 11:39
Toxaphene L9 (5000ug/L)	R1854795-26	07/19/24 11:50
R1854795-27 ICV	R1854795-27	07/19/24 12:01
R1869565-1 PEM	R1869565-1	08/28/24 06:44
WG1964824-1 CCAL	WG1964824-1	08/28/24 06:55
WG1964824-2 CCAL	WG1964824-2	08/28/24 07:06
WG1964824-3 CCAL	WG1964824-3	08/28/24 07:17
WG1964642-1 BLANK	WG1964642-1	08/28/24 11:49
WG1964642-2 LCS	WG1964642-2	08/28/24 12:00
WG1964642-3 LCSD	WG1964642-3	08/28/24 12:11
MW-3A	L2447890-01	08/28/24 12:22
MW-6A	L2447890-02	08/28/24 12:33
MW-6B	L2447890-03	08/28/24 12:44
MW-6B MS	WG1964642-4	08/28/24 12:55
MW-6B MSD	WG1964642-5	08/28/24 13:06
MW-6C	L2447890-04	08/28/24 13:17
MW-7B	L2447890-06	08/28/24 13:28
WG1964824-4 CCAL	WG1964824-4	08/28/24 13:39

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST10	**Initial Calib. Date(s)**	: 07/17/24 07/19/24

Client ID	Lab ID	Date/Time Analyzed
WG1964824-5 CCAL	WG1964824-5	08/28/24 13:50
MW-7A	L2447890-05	08/28/24 14:37
MW-7C	L2447890-07	08/28/24 14:49
MW-8A	L2447890-08	08/28/24 15:00
MW-8B	L2447890-09	08/28/24 15:11
MW-8C2	L2447890-10	08/28/24 15:22
MW-9B	L2447890-11	08/28/24 15:33
DUP	L2447890-12	08/28/24 15:44
FIELD BLANK	L2447890-13	08/28/24 15:55

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container / Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
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File: PM14021-1
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Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-31	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-31	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:33
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-32	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:33
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-32	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:44
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-33	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 12:44
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-33	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-04	**Date Collected**	: 08/20/24 17:55
Client ID	: MW-6C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 13:17
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-36	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-04	**Date Collected**	: 08/20/24 17:55
Client ID	: MW-6C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 13:17
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-36	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-05	**Date Collected**	: 08/20/24 16:30
Client ID	: MW-7A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 14:37
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-42	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-05	**Date Collected**	: 08/20/24 16:30
Client ID	: MW-7A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 14:37
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-42	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-06	**Date Collected**	: 08/21/24 09:20
Client ID	: MW-7B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 13:28
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-37	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-06	**Date Collected**	: 08/21/24 09:20
Client ID	: MW-7B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 13:28
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-37	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-07	**Date Collected**	: 08/21/24 10:50
Client ID	: MW-7C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 14:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-43	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-07	**Date Collected**	: 08/21/24 10:50
Client ID	: MW-7C	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 14:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-43	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-08	**Date Collected**	: 08/21/24 13:05
Client ID	: MW-8A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:00
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-44	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-08	**Date Collected**	: 08/21/24 13:05
Client ID	: MW-8A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:00
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-44	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-09	**Date Collected**	: 08/21/24 14:35
Client ID	: MW-8B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:11
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-45	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-09	**Date Collected**	: 08/21/24 14:35
Client ID	: MW-8B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:11
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-45	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-10	**Date Collected**	: 08/21/24 13:40
Client ID	: MW-8C2	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-46	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-10	**Date Collected**	: 08/21/24 13:40
Client ID	: MW-8C2	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-46	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:33
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-47	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:33
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-47	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:44
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-48	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:44
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-48	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:55
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-49	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 08/28/24 15:55
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-49	**Analyst**	: EMR
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964642-1	**Date Collected**	: NA
Client ID	: WG1964642-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 11:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-28	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1964642-1	**Date Collected**	: NA
Client ID	: WG1964642-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 11:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10240828a-28	**Analyst**	: MMG
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:22
Operator : PEST10:mmg
Sample : L2447890-01,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:05 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	809.6E6	180.5E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 712112923				Recovery = 113.69%		
	Standard Area 1 : #2 = 150538774				Recovery = 119.91%		
28) i	1-br-2-nb_Ch	1.263	1.387	809.6E6	180.5E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.263	1.387	809.6E6	180.5E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.871	1167.2E6	255.1E6	29.148M4	31.734
	Spiked Amount 50.000	Range 30 - 150			Recovery = 58.30%		63.47%
27) s	Decachlorobi	6.229	6.959	1088.4E6	233.3E6	27.980M3	31.274M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 55.96%		62.55%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:22
Operator : PEST10:mmg
Sample : L2447890-01,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:05 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

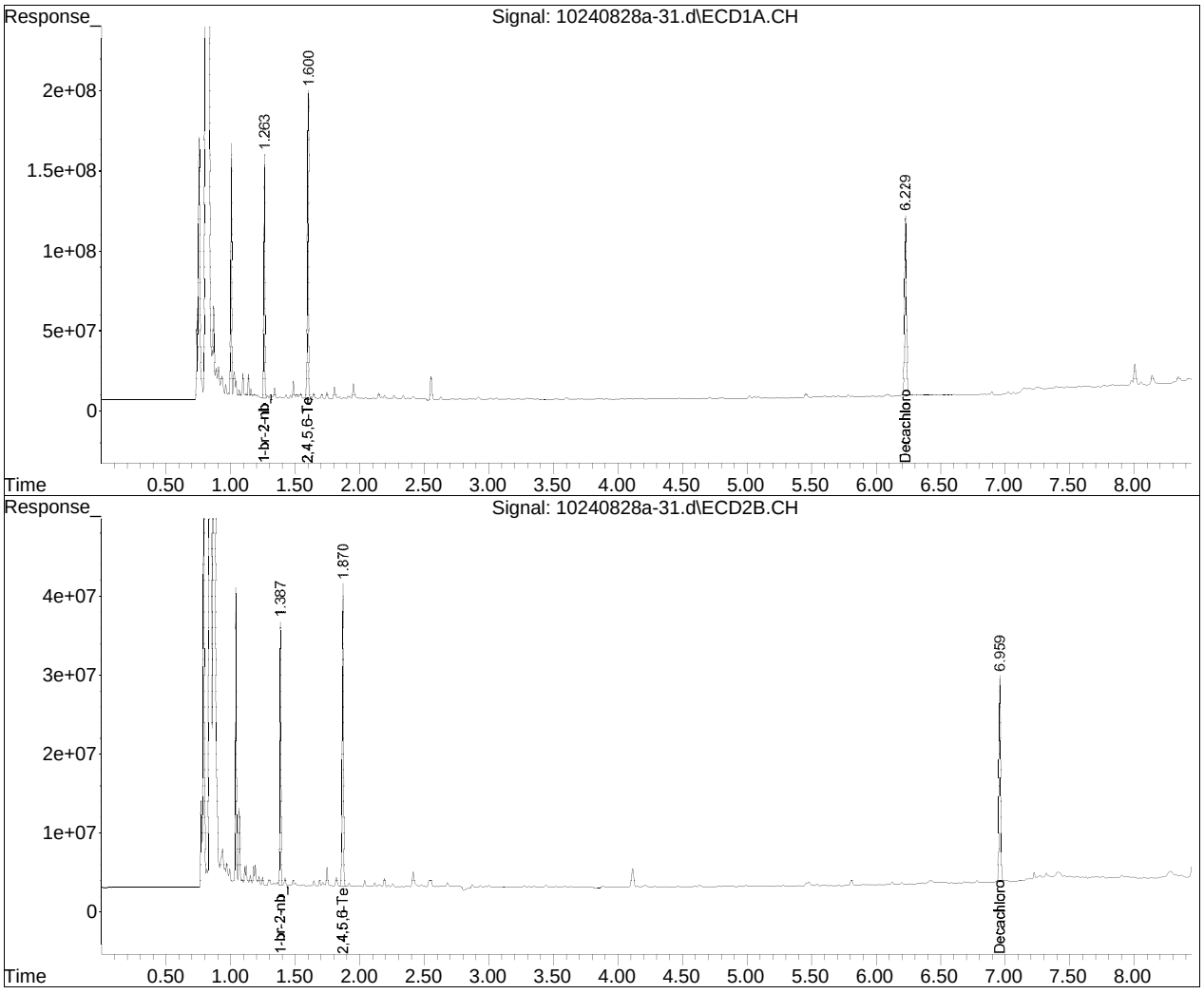
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:22
Operator : PEST10:mmg
Sample : L2447890-01,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:05 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

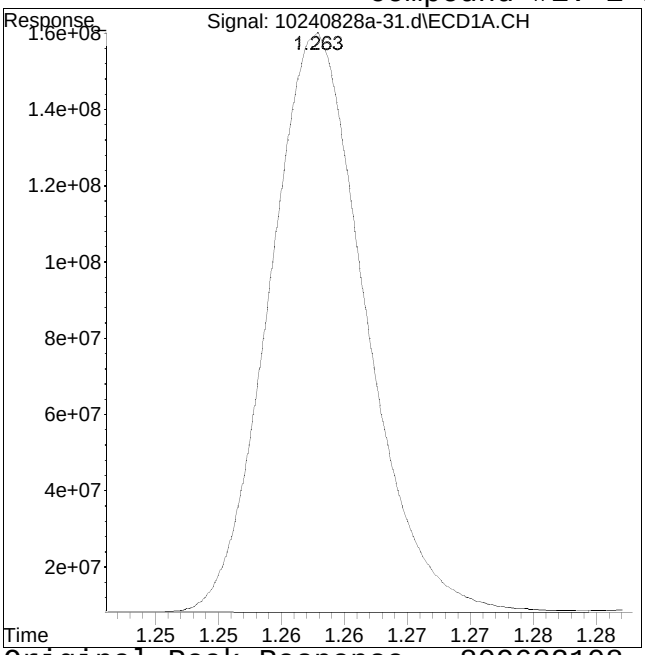
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



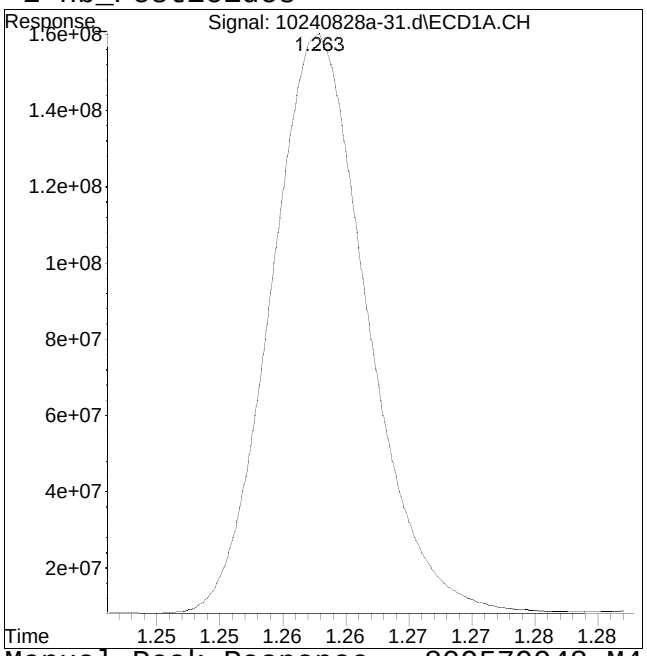
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 809622108



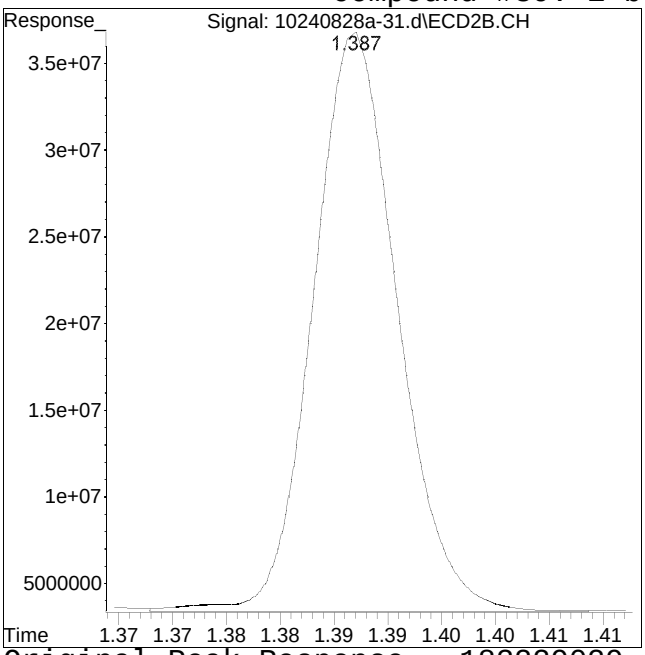
Manual Peak Response = 809579948 M4

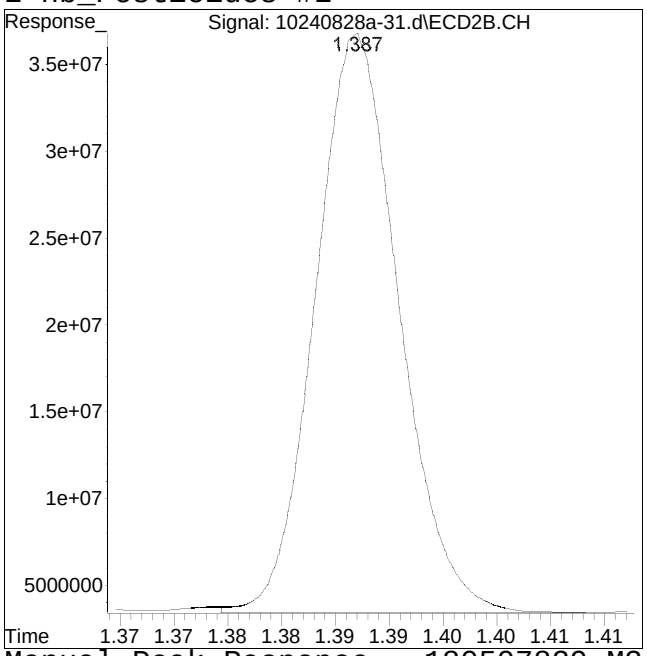
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



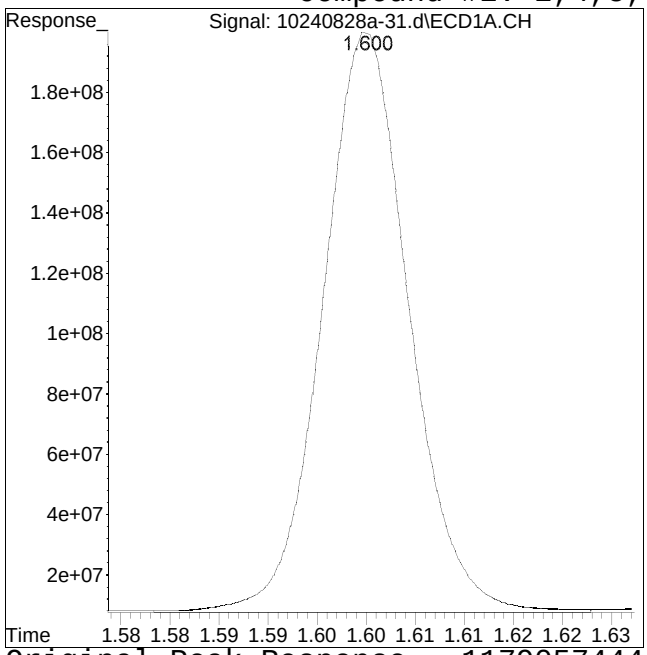


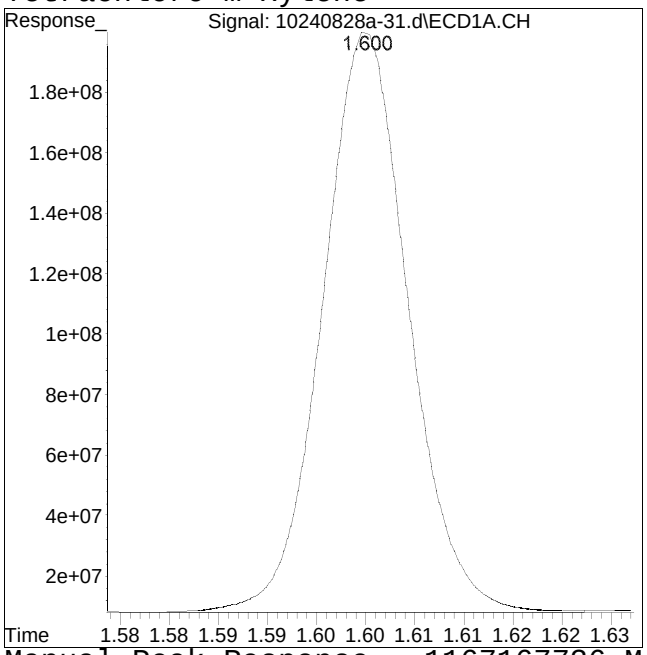
Original Peak Response = 183229029 Manual Peak Response = 180507829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



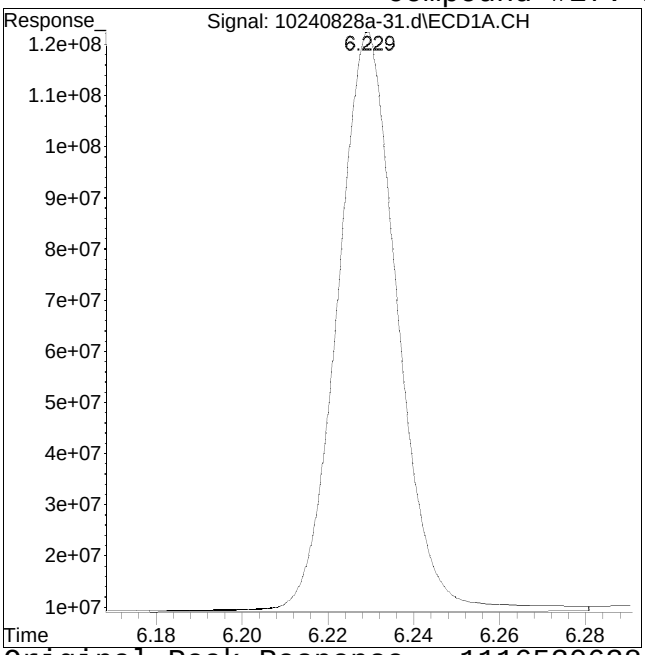


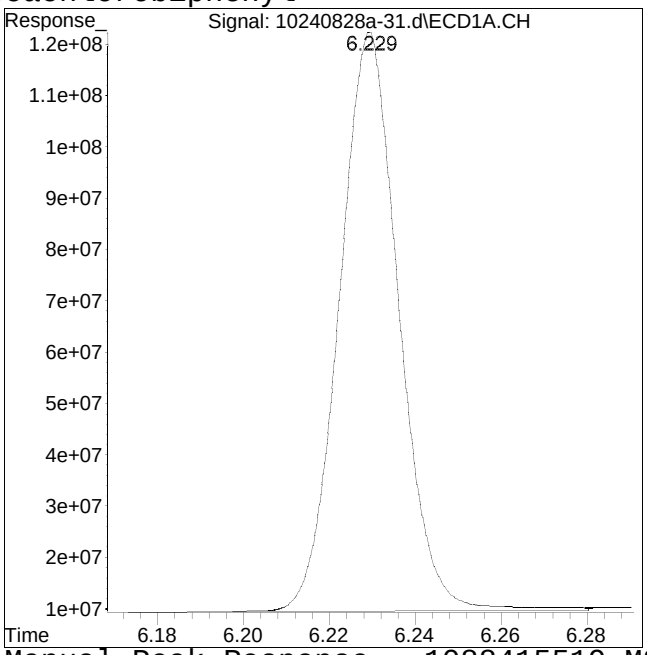
Original Peak Response = 1179057444 Manual Peak Response = 1167167736 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #27: Decachlorobiphenyl



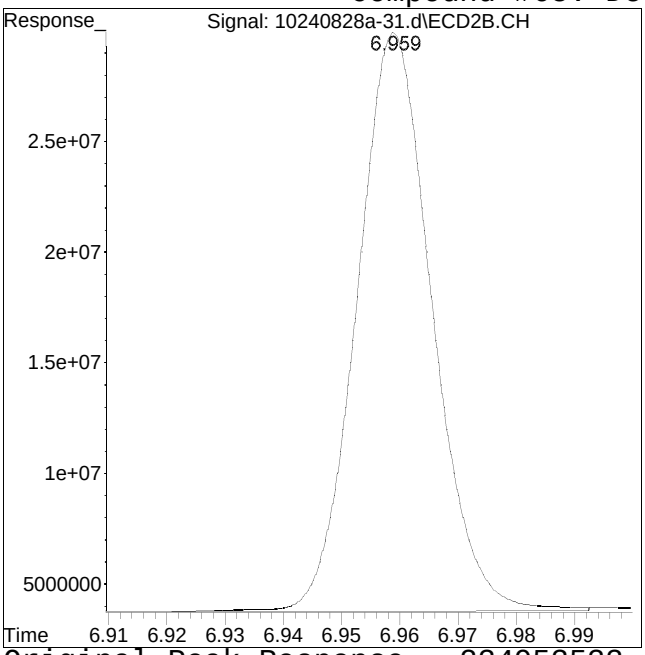


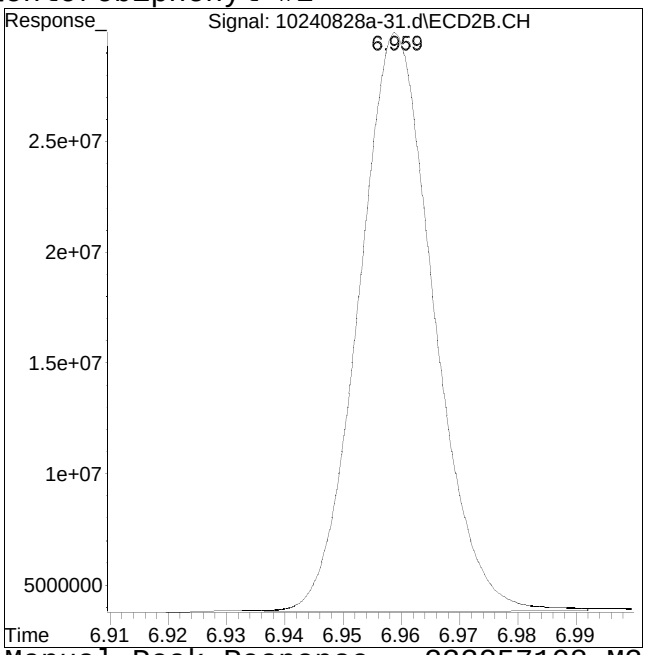
Original Peak Response = 1116530638 Manual Peak Response = 1088415519 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #65: Decachlorobiphenyl #2



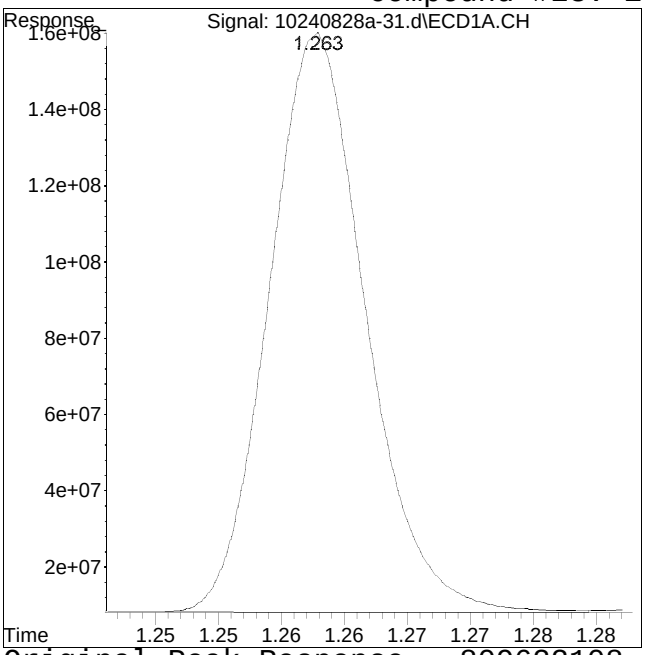


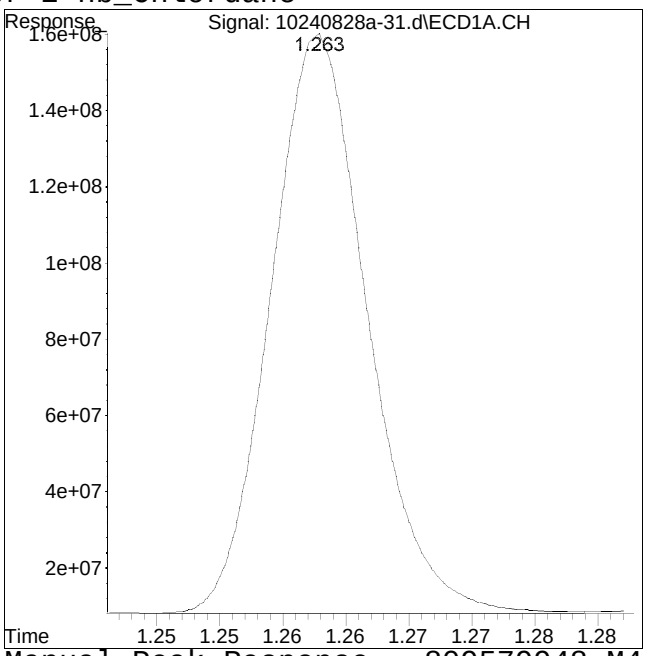
Original Peak Response = 234953533 Manual Peak Response = 233257108 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #28: 1-br-2-nb_Chlordane



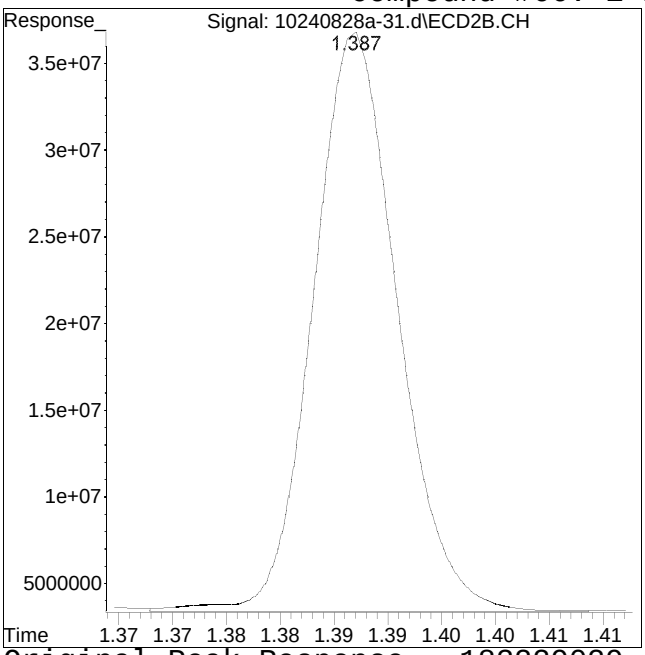


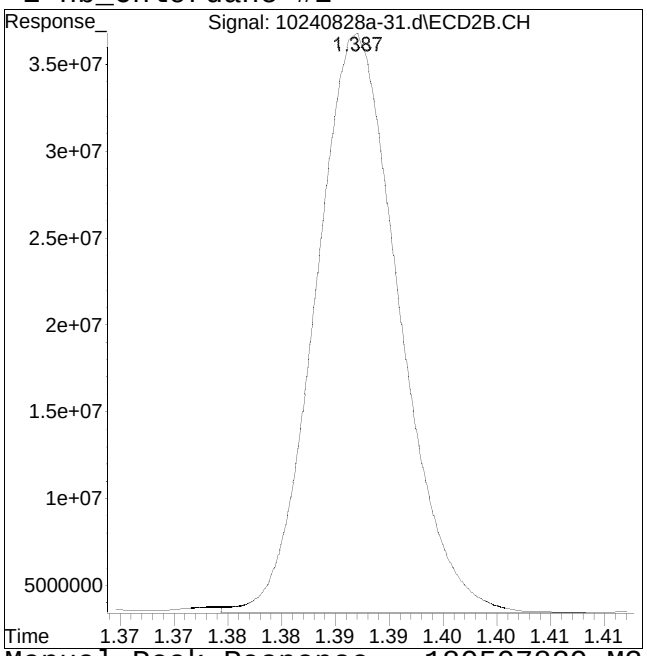
Original Peak Response = 809622108 Manual Peak Response = 809579948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



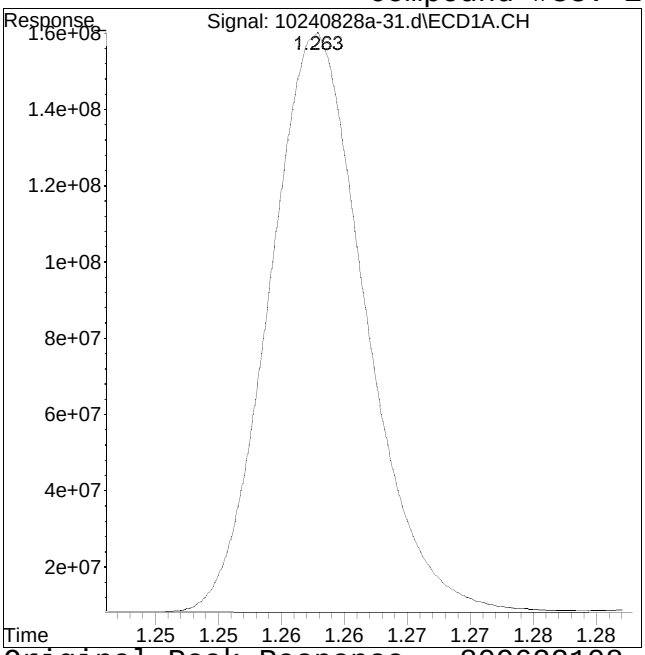


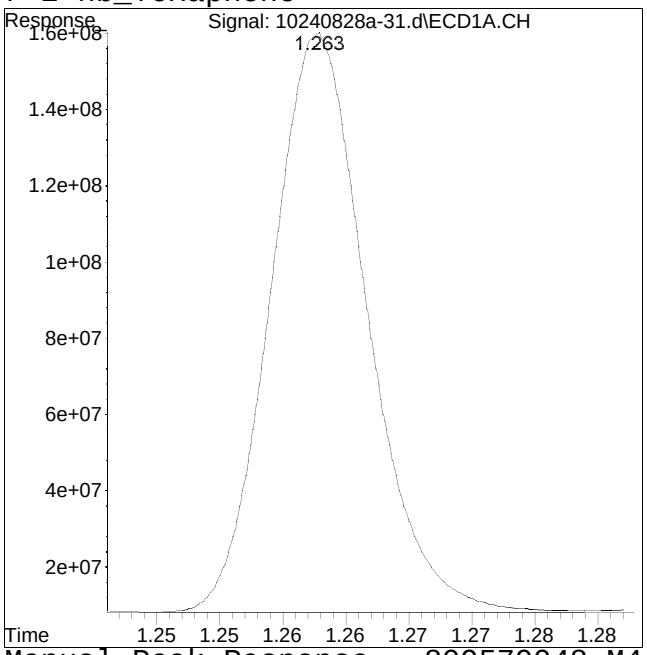
Original Peak Response = 183229029 Manual Peak Response = 180507829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #33: 1-br-2-nb_Toxaphene



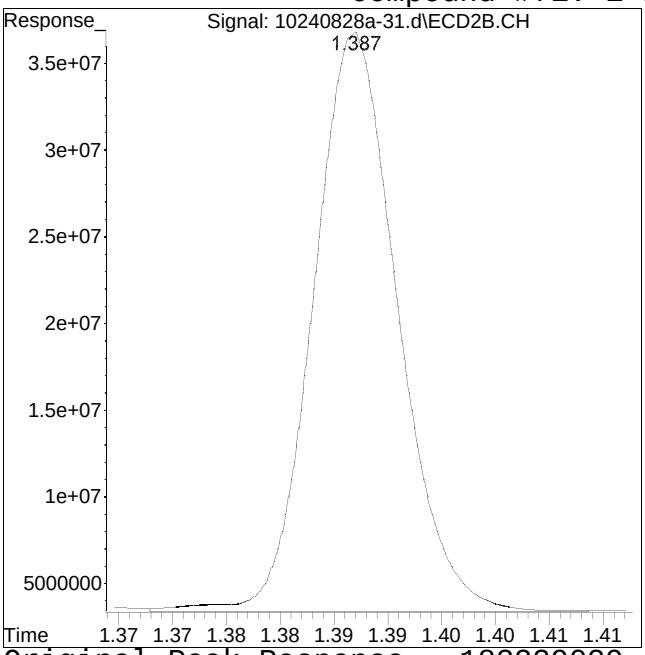


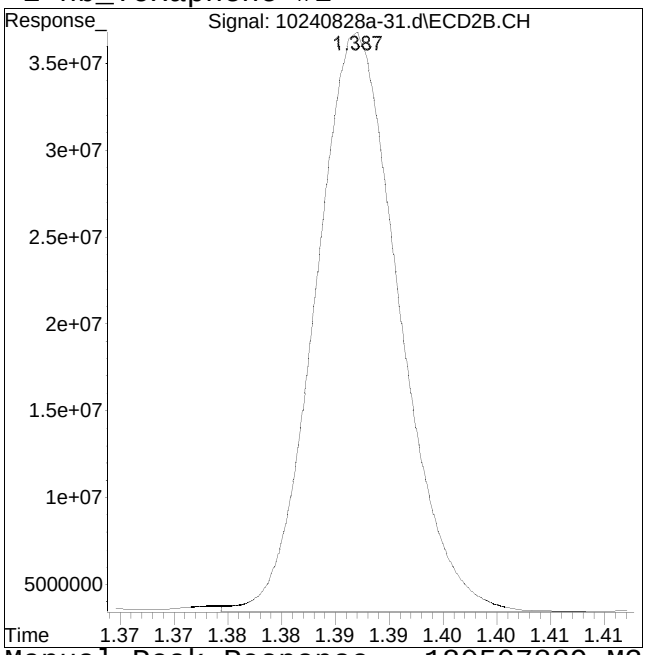
Original Peak Response = 809622108 Manual Peak Response = 809579948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-31.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:22 Instrument : Pest 10
Sample : L2447890-01,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 183229029 Manual Peak Response = 180507829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:33
Operator : PEST10:mmg
Sample : L2447890-02,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:07 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	772.4E6	173.0E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 712112923				Recovery = 108.46%		
	Standard Area 1 : #2 = 150538774				Recovery = 114.91%		
28) i	1-br-2-nb_Ch	1.263	1.387	772.4E6	173.0E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.263	1.387	772.4E6	173.0E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.871	1263.2E6	280.4E6	33.067M4	36.397M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 66.13%		72.79%
27) s	Decachlorobi	6.229	6.959	1179.1E6	257.7E6	31.772M4	36.055M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 63.54%		72.11%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:33
Operator : PEST10:mmg
Sample : L2447890-02,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:07 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

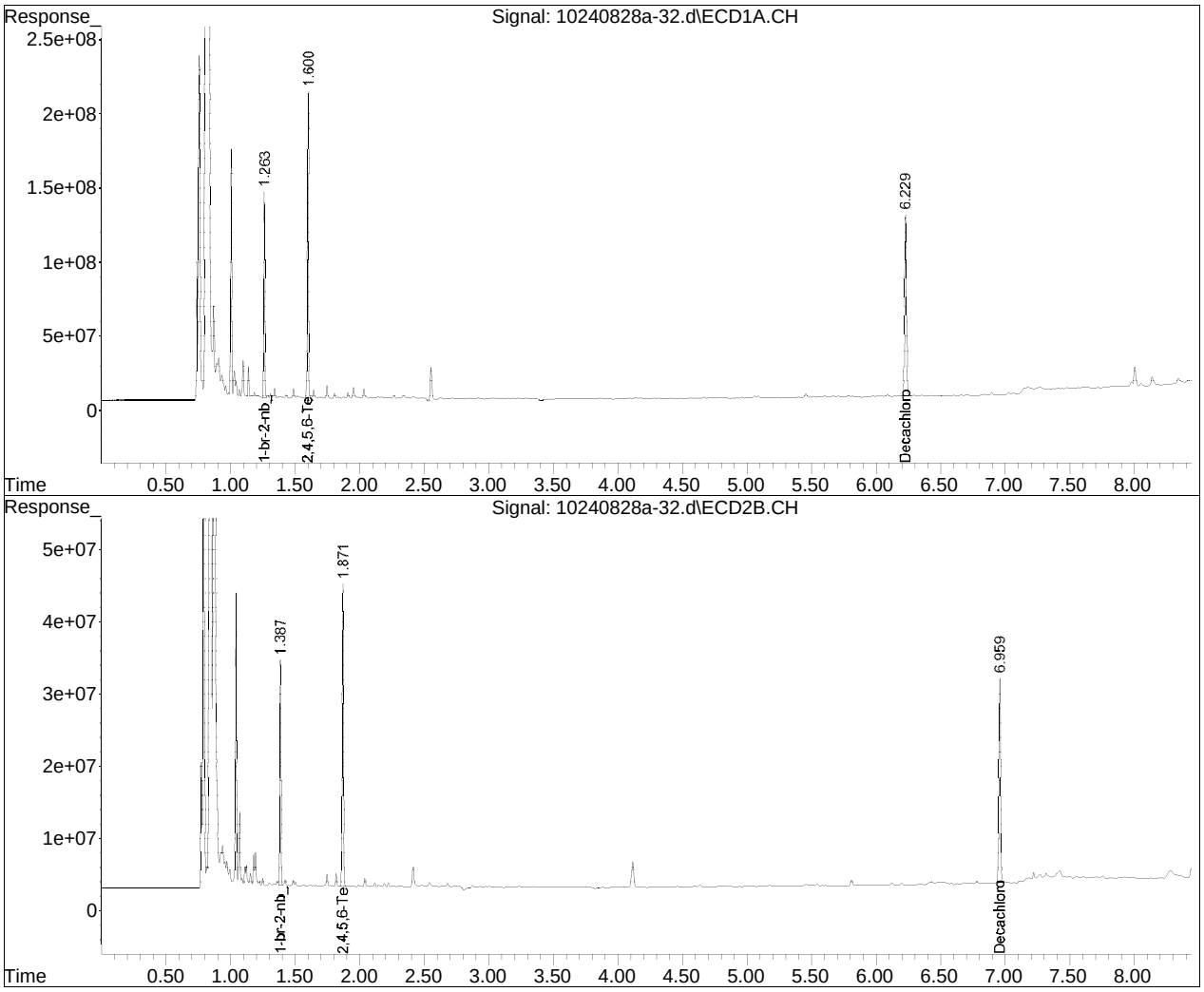
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:33
Operator : PEST10:mmg
Sample : L2447890-02,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:07 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

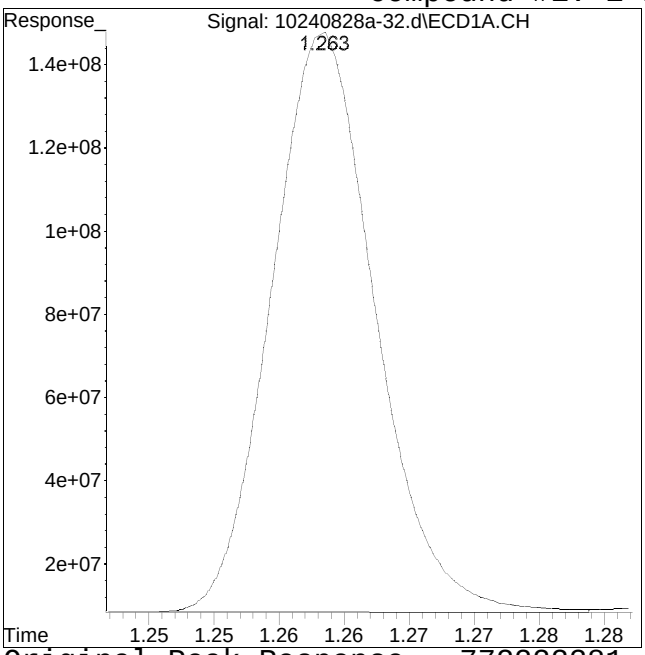
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



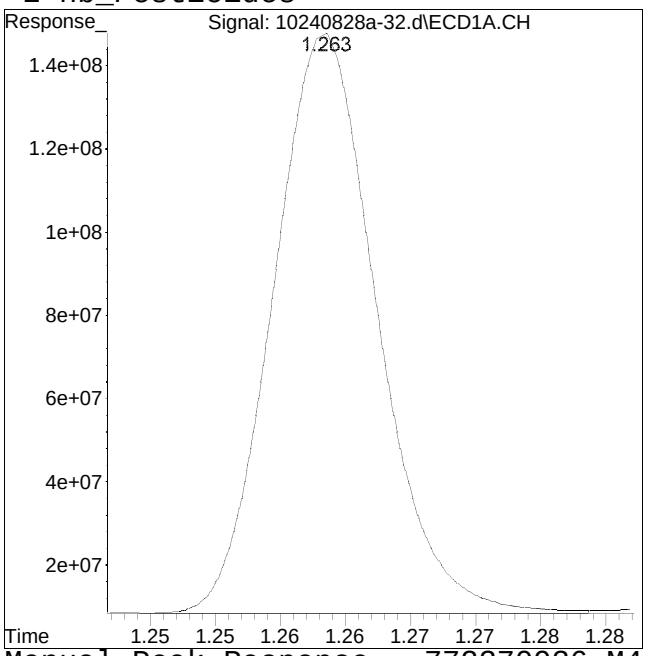
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 772222381



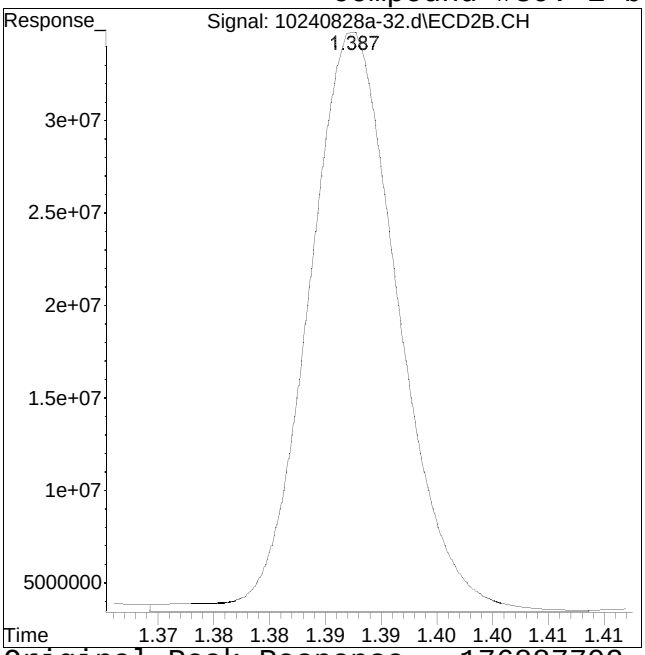
Manual Peak Response = 772370936 M4

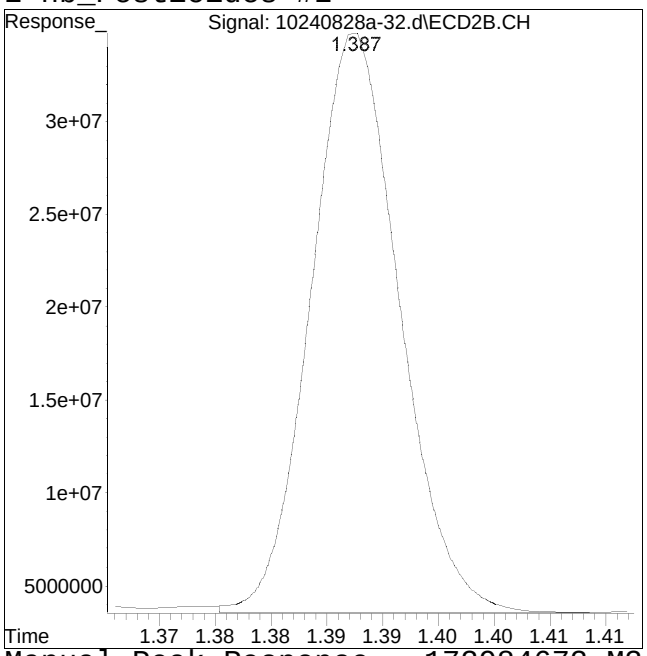
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



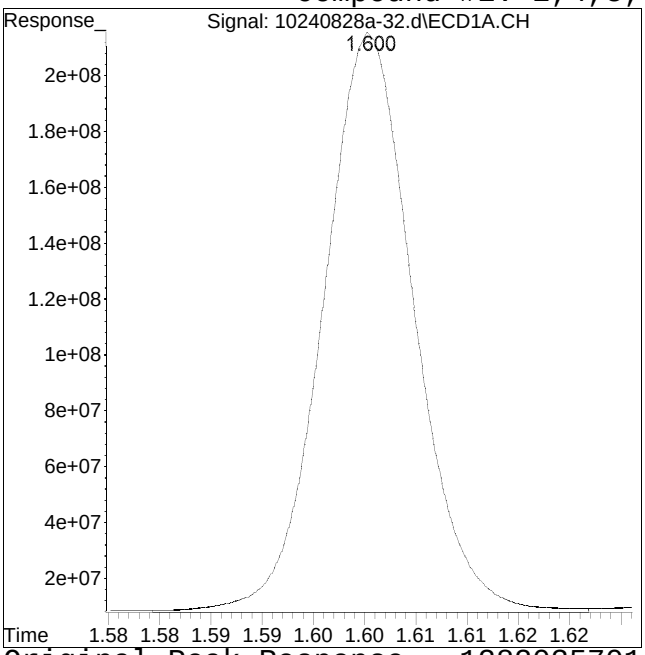


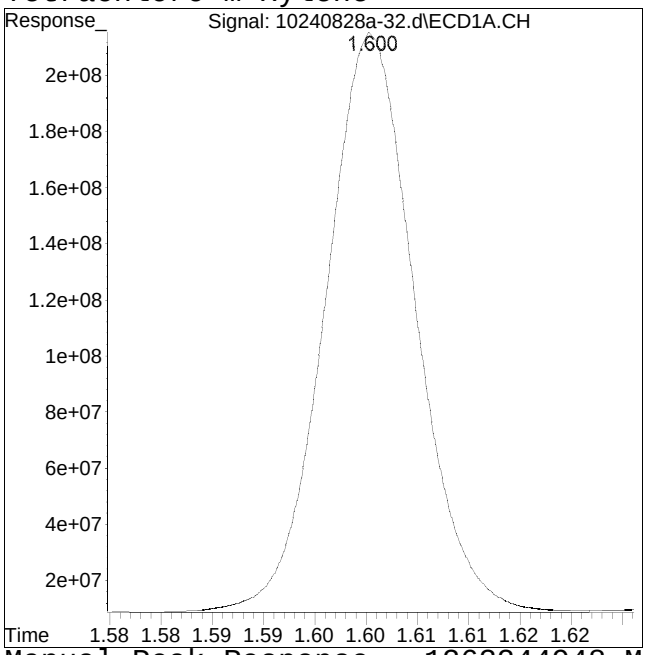
Original Peak Response = 176887702 Manual Peak Response = 172984672 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



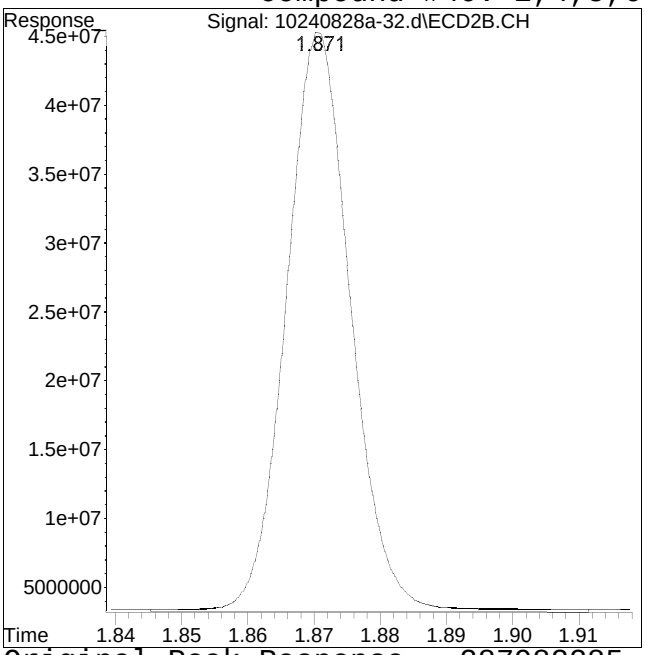


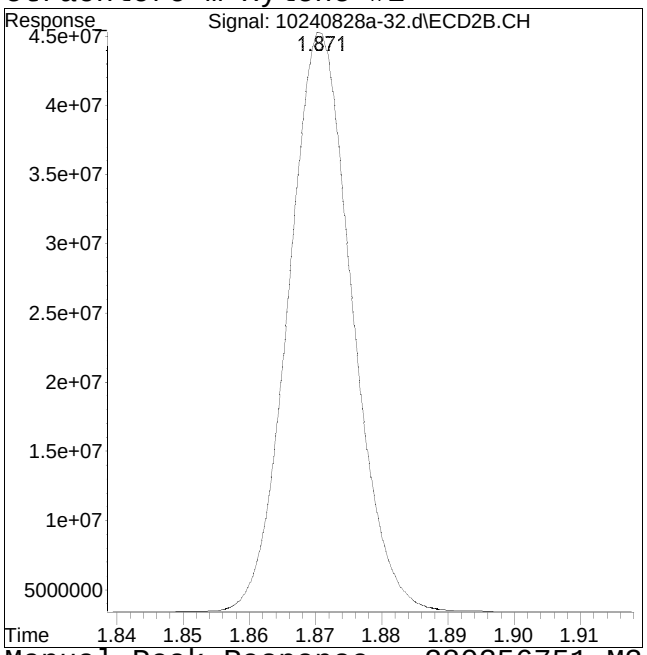
Original Peak Response = 1282035701 Manual Peak Response = 1263244948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



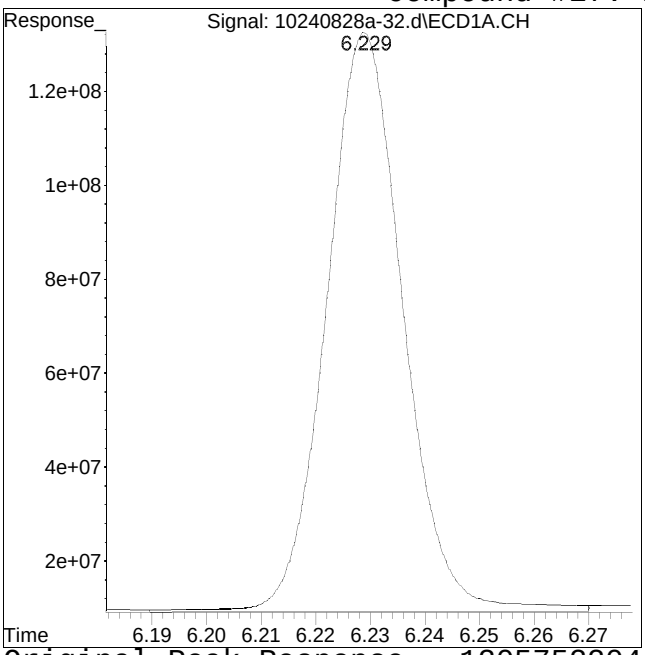


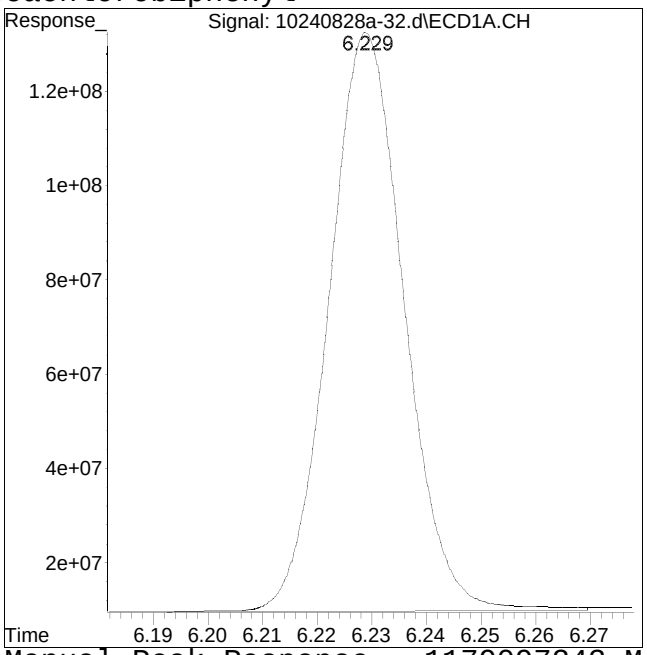
Original Peak Response = 287982285 Manual Peak Response = 280356751 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #27: Decachlorobiphenyl



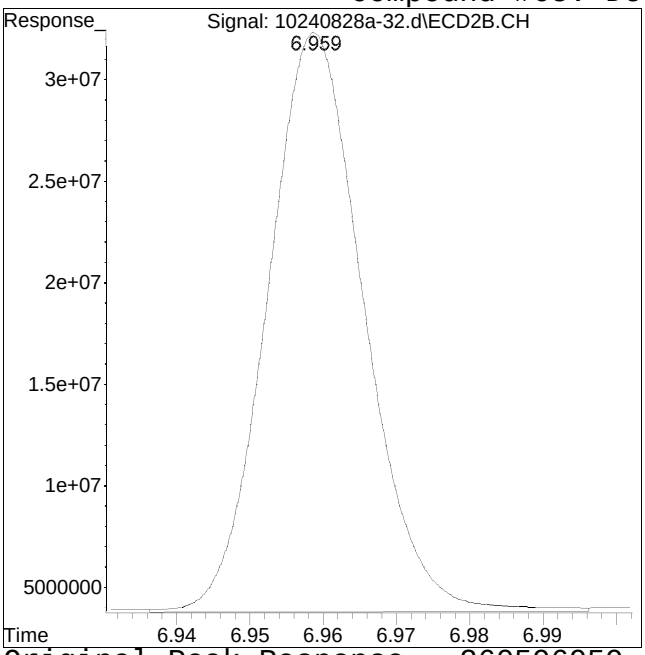


Original Peak Response = 1205752204 Manual Peak Response = 1179097243 M4
M4 = Poor automated baseline construction.

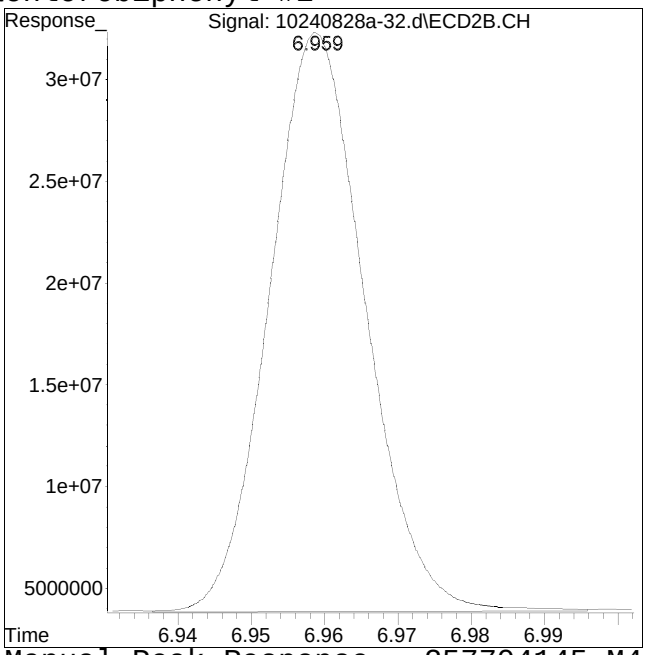
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 260596959



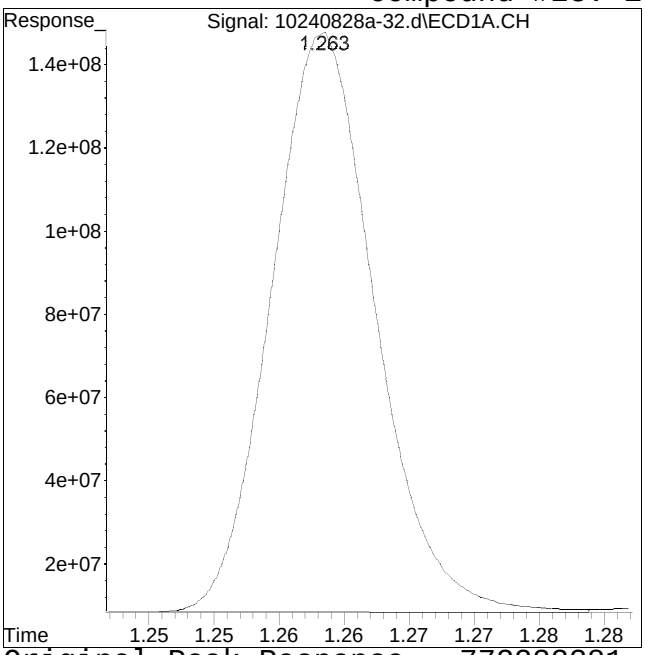
Manual Peak Response = 257704145 M4

M4 = Poor automated baseline construction.

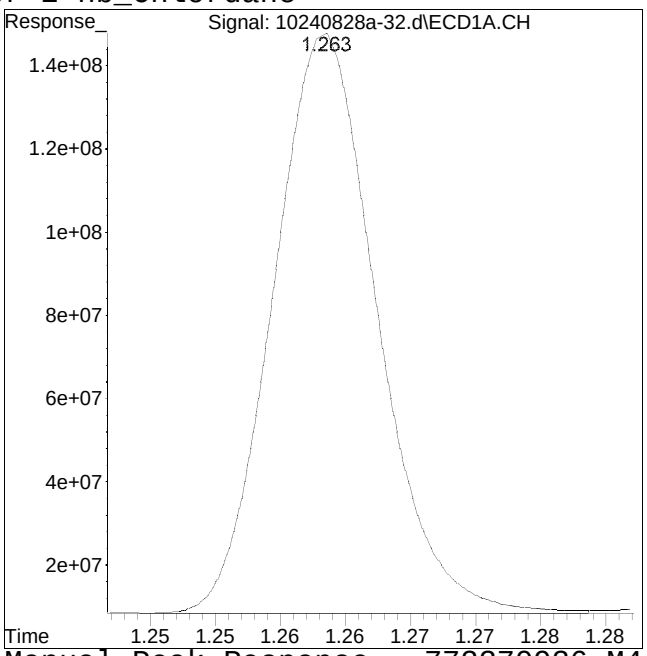
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 772222381



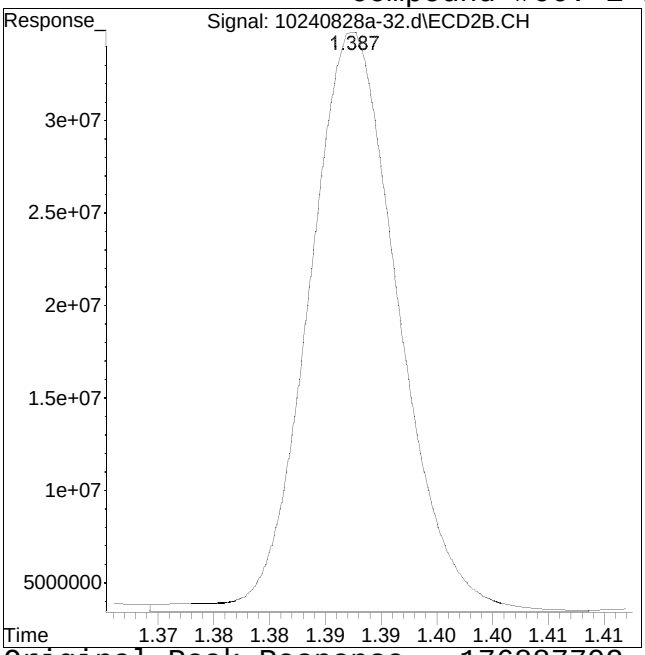
Manual Peak Response = 772370936 M4

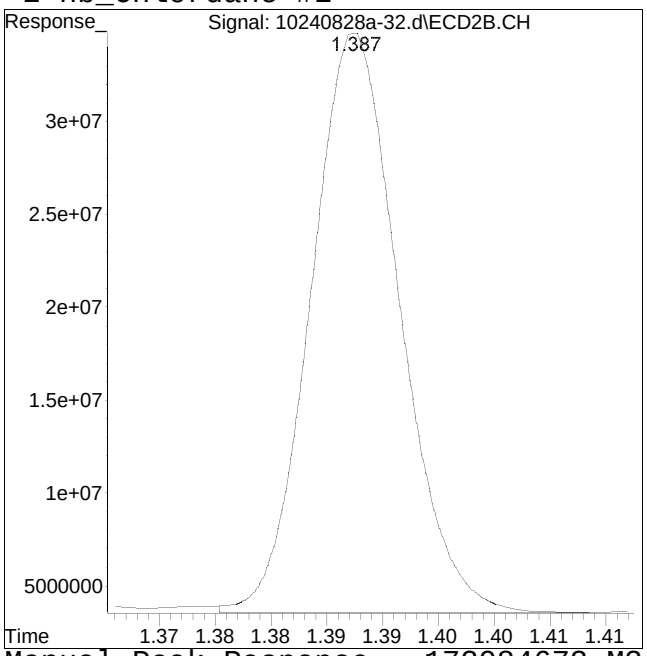
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



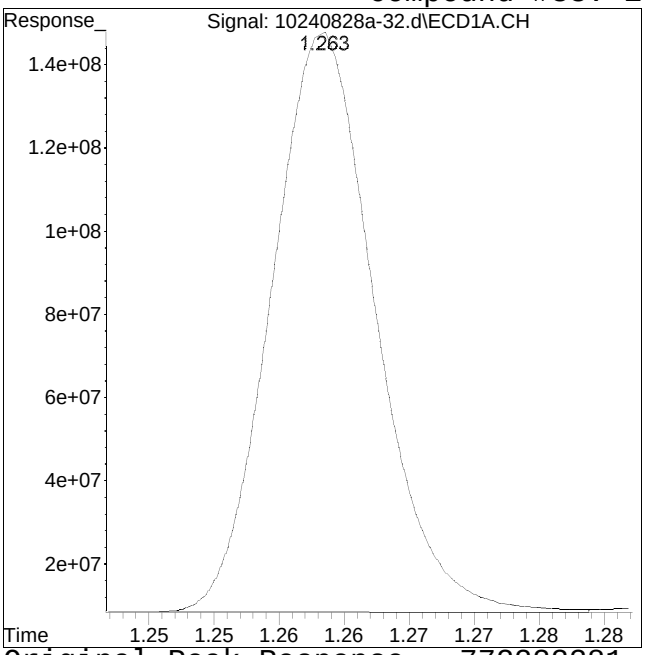


Original Peak Response = 176887702 Manual Peak Response = 172984672 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

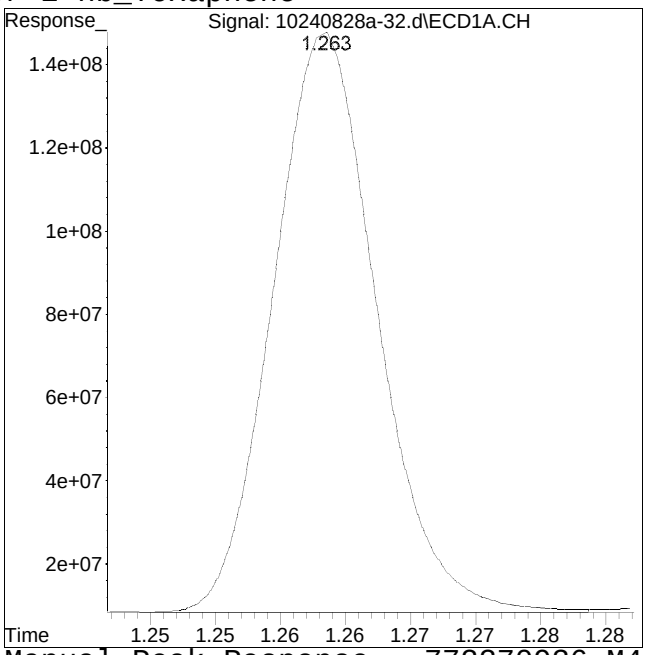
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 772222381



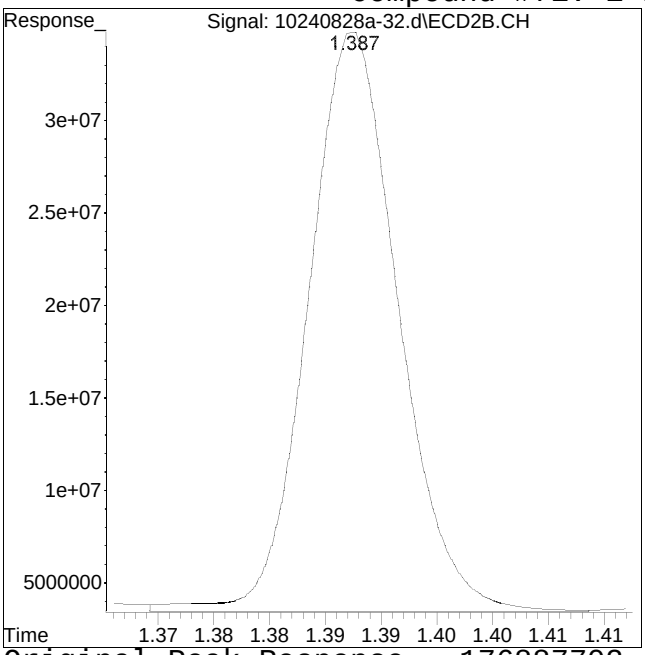
Manual Peak Response = 772370936 M4

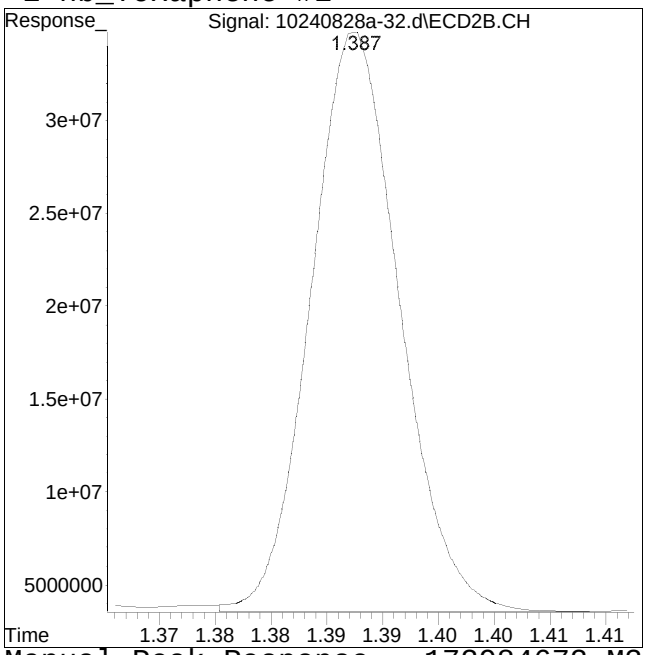
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-32.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:33 Instrument : Pest 10
Sample : L2447890-02,42,, re Quant Date : 8/28/2024 12:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 176887702 Manual Peak Response = 172984672 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:44
Operator : PEST10:mmg
Sample : L2447890-03,42,, re p
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:20 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.387	742.4E6	168.8E6	25.000	25.000M4
	Standard Area 1 : #1 = 712112923				Recovery = 104.25%		
	Standard Area 1 : #2 = 150538774				Recovery = 112.16%		
28) i	1-br-2-nb_Ch	1.264	1.387	742.4E6	168.8E6	25.000	25.000M4
33) i	1-br-2-nb_To	1.264	1.387	742.4E6	168.8E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.871	1193.1E6	263.6E6	32.492M3	35.056
	Spiked Amount 50.000	Range 30 - 150			Recovery = 64.98%		70.11%
27) s	Decachlorobi	6.229	6.958	1161.7E6	267.5E6	32.566M4	38.338M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 65.13%		76.68%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:44
Operator : PEST10:mmg
Sample : L2447890-03,42,, re p
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:20 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

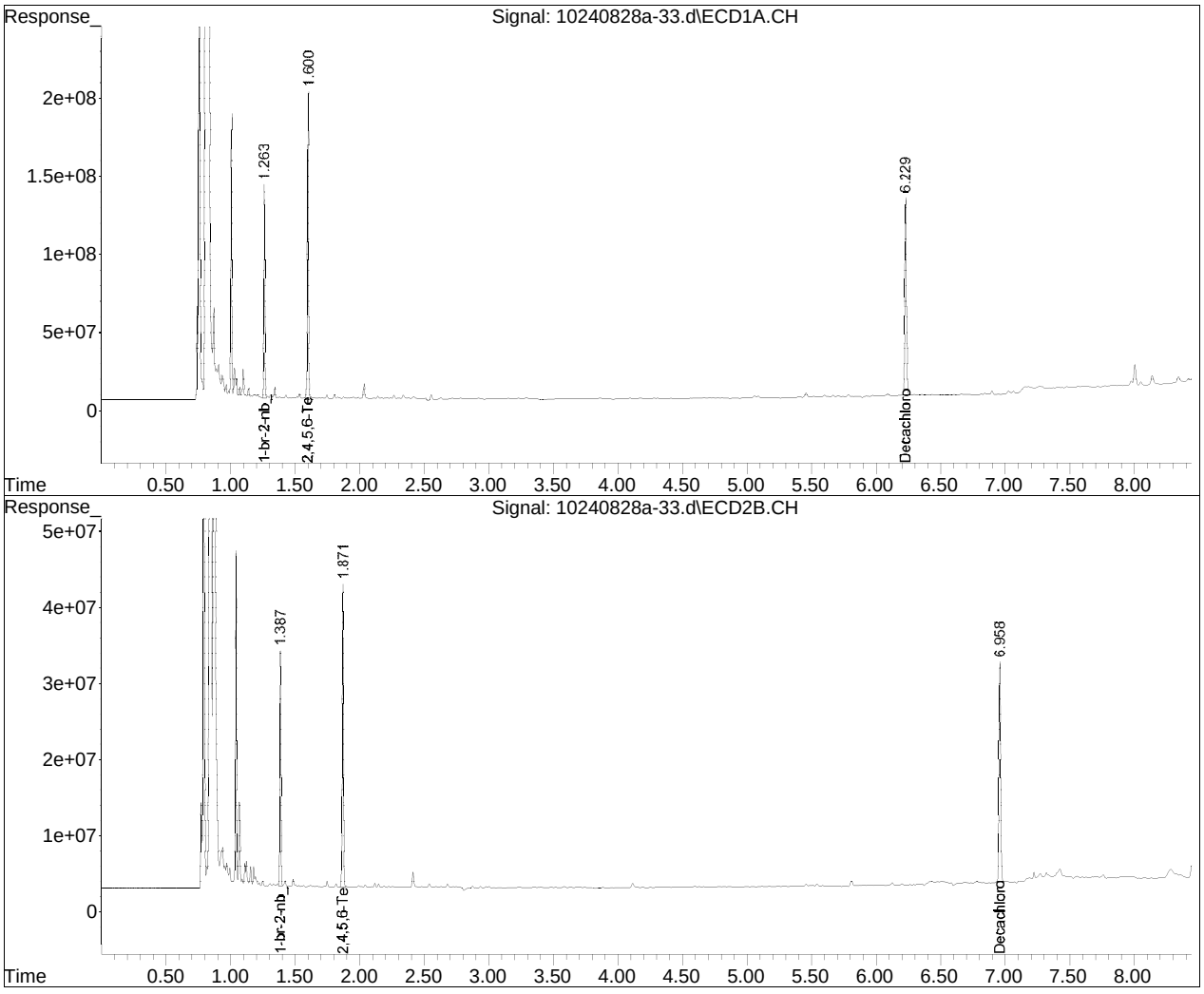
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:44
Operator : PEST10:mmg
Sample : L2447890-03,42,, re p
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:20 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

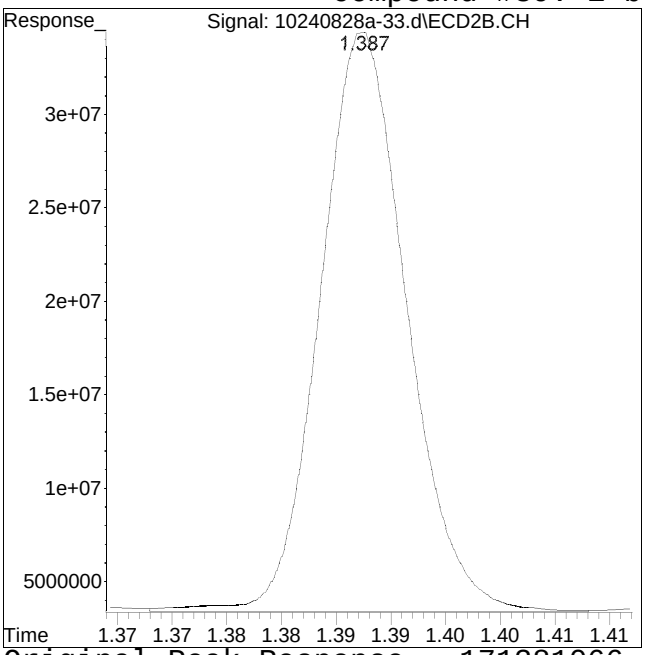
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

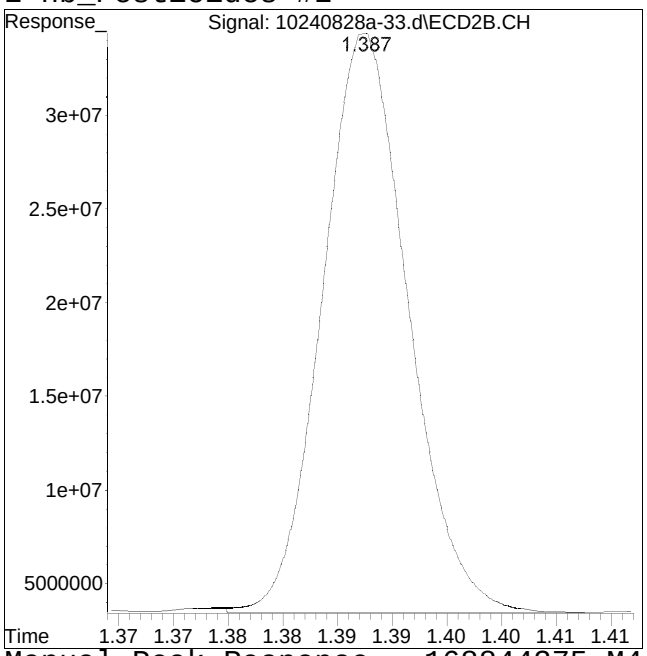


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #39: 1-br-2-nb_Pesticides #2



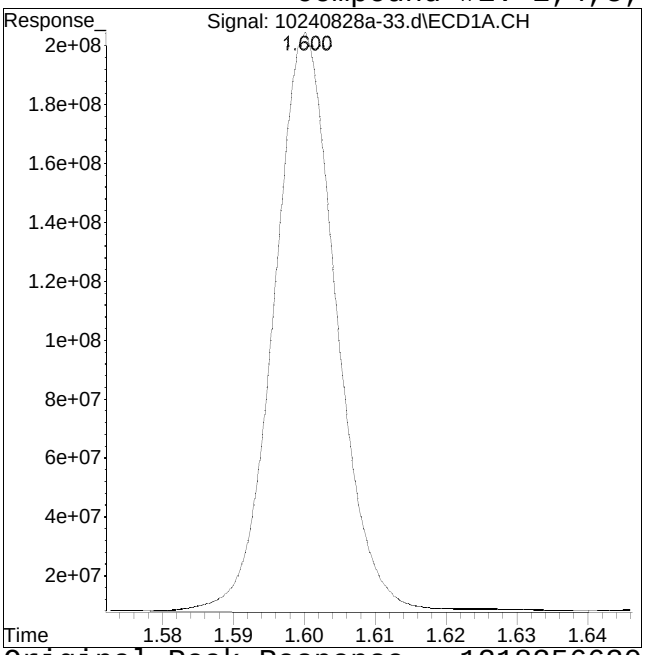


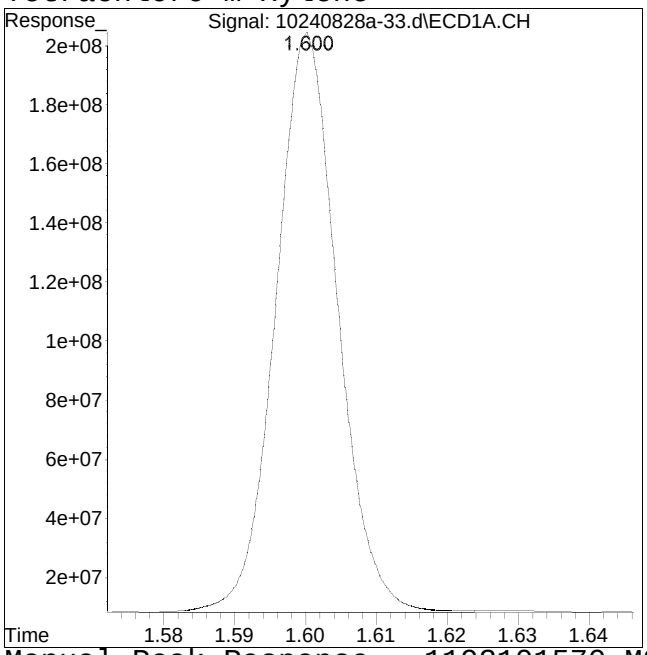
Original Peak Response = 171381066 Manual Peak Response = 168844375 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



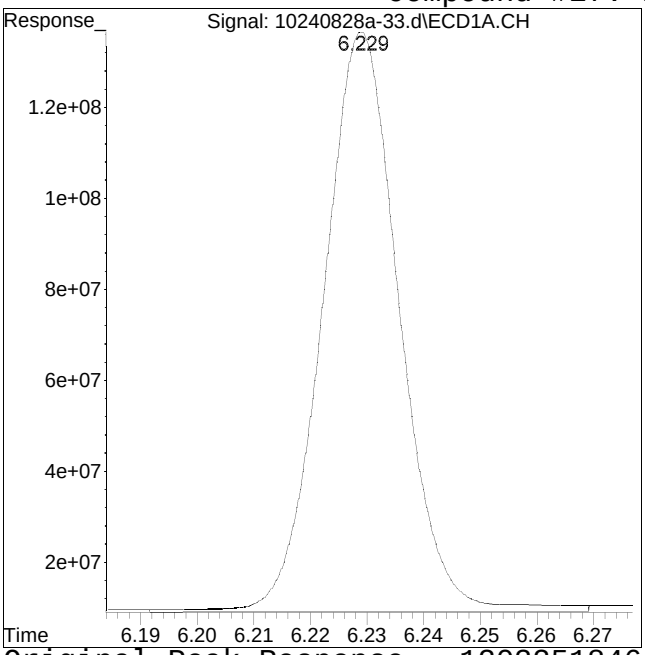


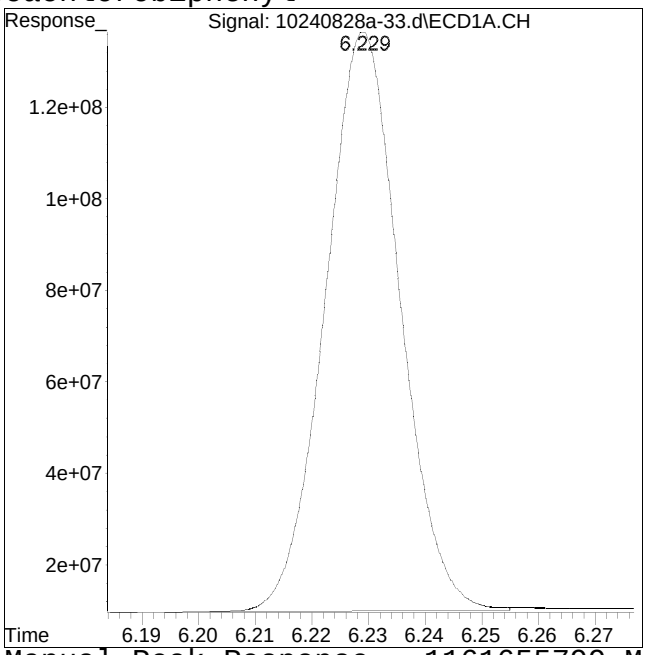
Original Peak Response = 1218356630 Manual Peak Response = 1193101570 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #27: Decachlorobiphenyl



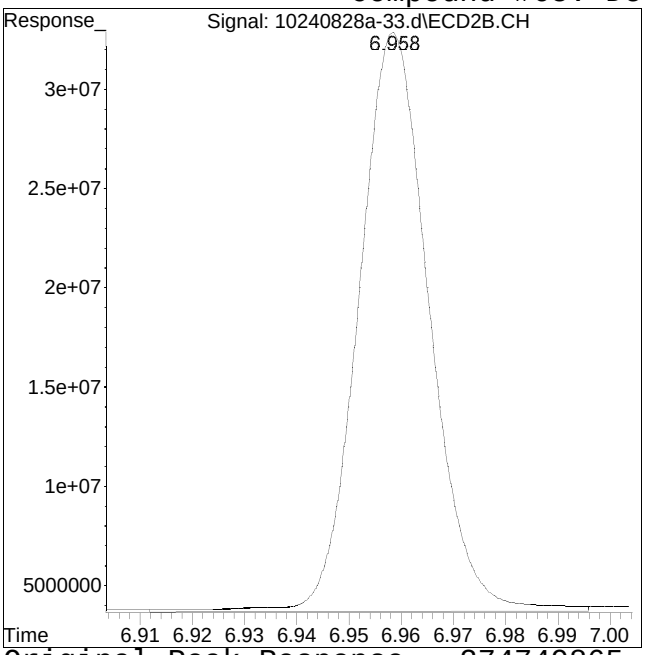


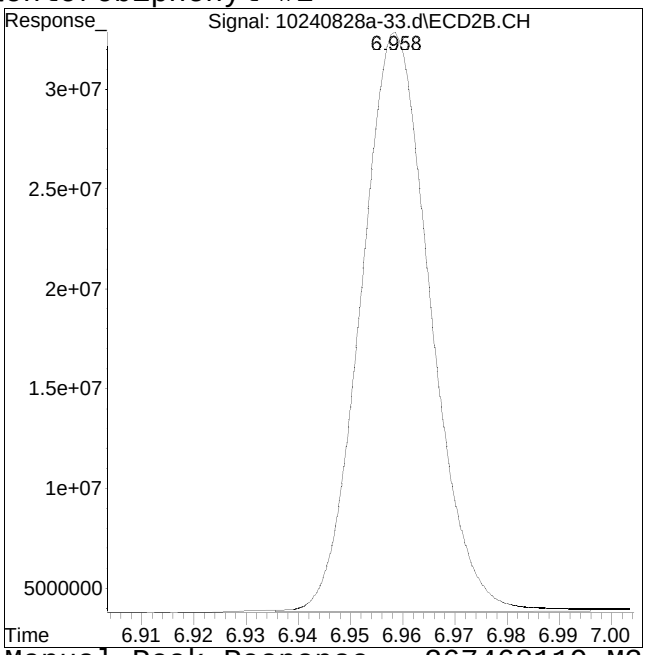
Original Peak Response = 1203251846 Manual Peak Response = 1161655799 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #65: Decachlorobiphenyl #2



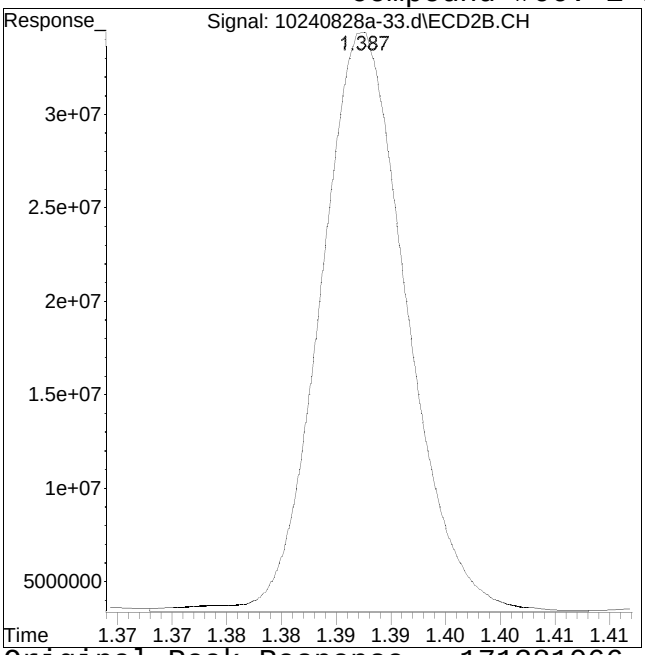


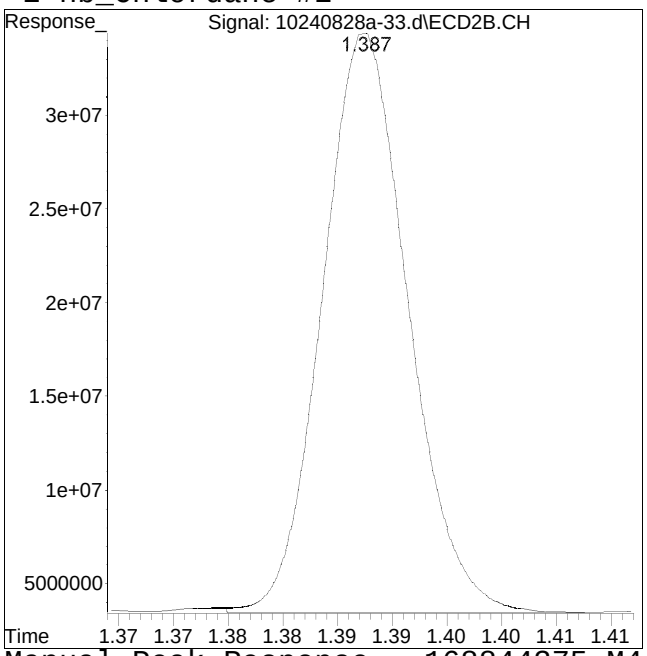
Original Peak Response = 274749865 Manual Peak Response = 267468119 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #66: 1-br-2-nb_Chlordane #2



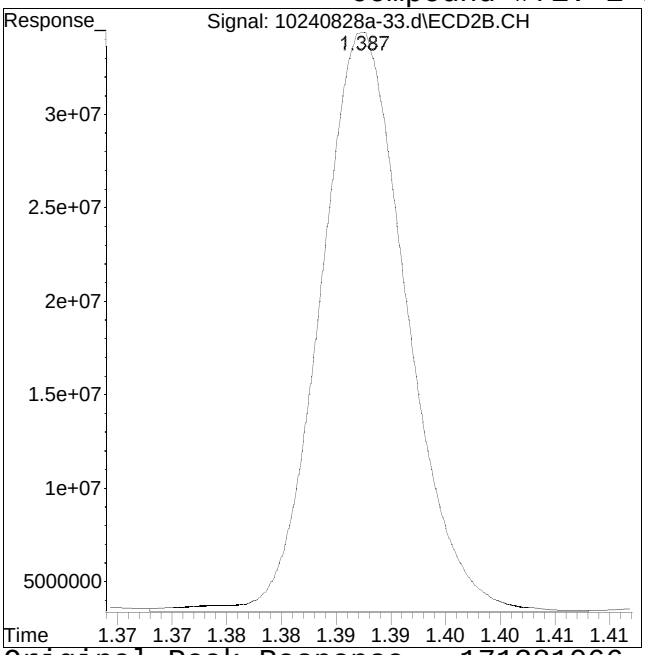


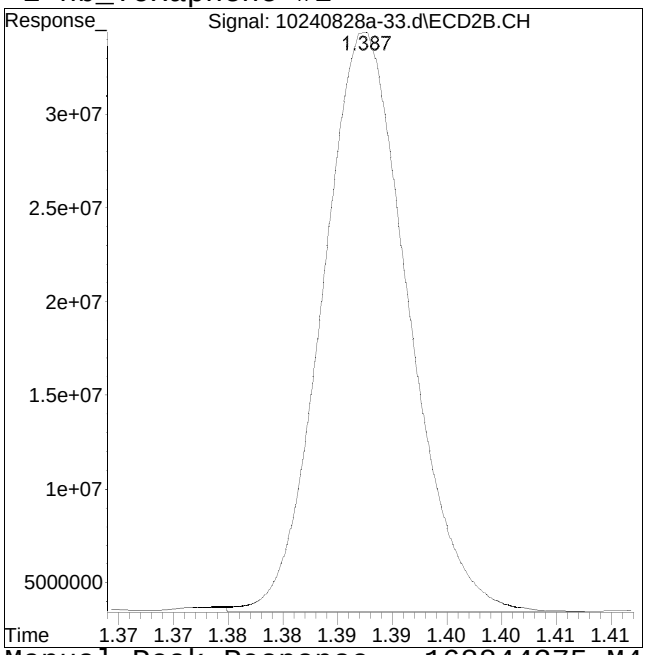
Original Peak Response = 171381066 Manual Peak Response = 168844375 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-33.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:44 Instrument : Pest 10
Sample : L2447890-03,42,, re p Quant Date : 8/28/2024 2:25 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 171381066 Manual Peak Response = 168844375 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:17
Operator : PEST10:mmg
Sample : L2447890-04,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	813.9E6	186.8E6	25.000	25.000
	Standard Area 1 : #1 = 712112923				Recovery =	114.29%	
	Standard Area 1 : #2 = 150538774				Recovery =	124.09%	
28) i	1-br-2-nb_Ch	1.263	1.387	813.9E6	186.8E6	25.000	25.000
33) i	1-br-2-nb_To	1.263	1.387	813.9E6	186.8E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.870	1130.3E6	249.4E6	28.078	29.988M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	56.16%	59.98%
27) s	Decachlorobi	6.229	6.961	1127.8E6	250.9E6	28.841M4	32.508M3
	Spiked Amount 50.000	Range 30 - 150			Recovery =	57.68%	65.02%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:17
Operator : PEST10:mmg
Sample : L2447890-04,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

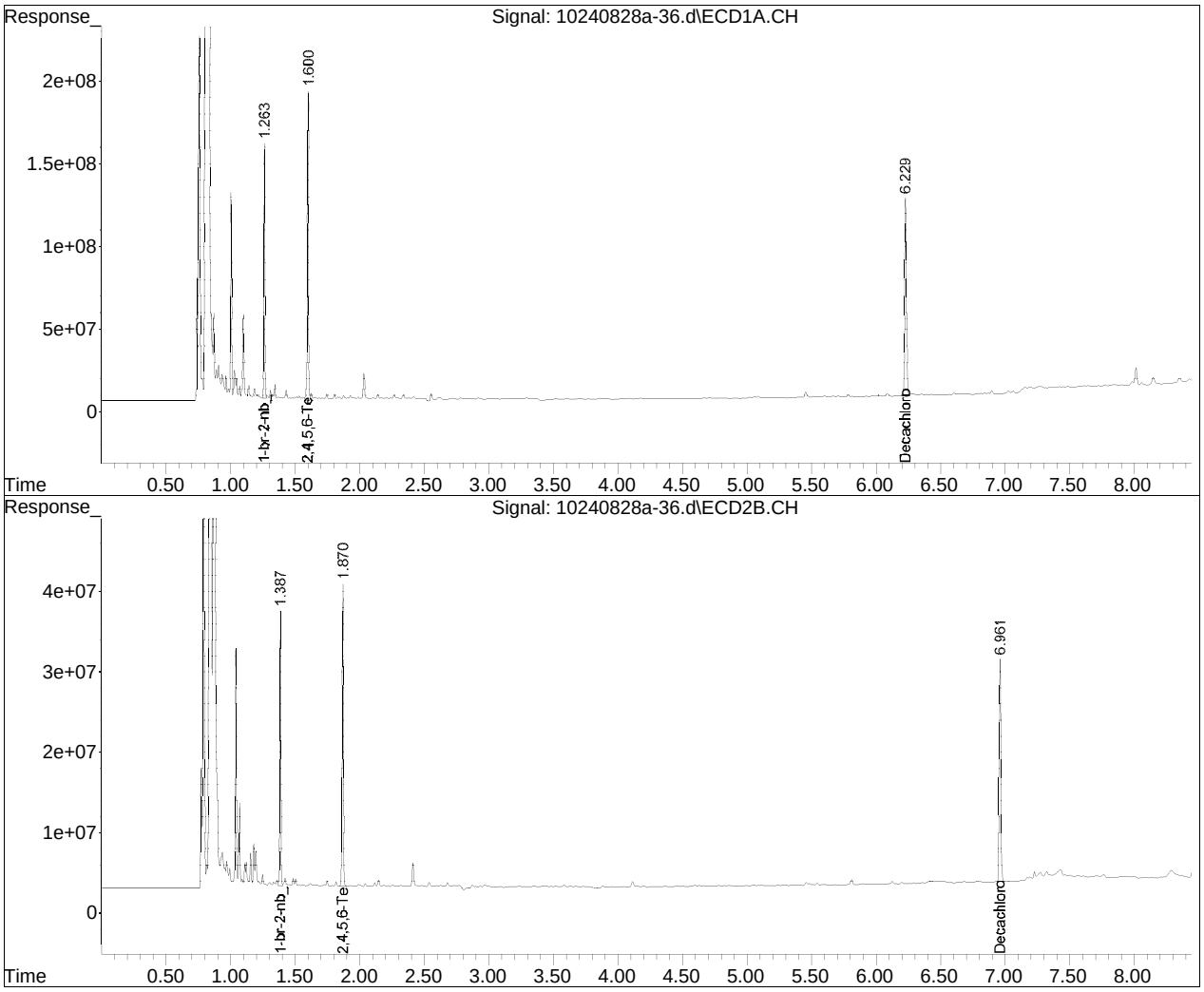
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:17
Operator : PEST10:mmg
Sample : L2447890-04,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

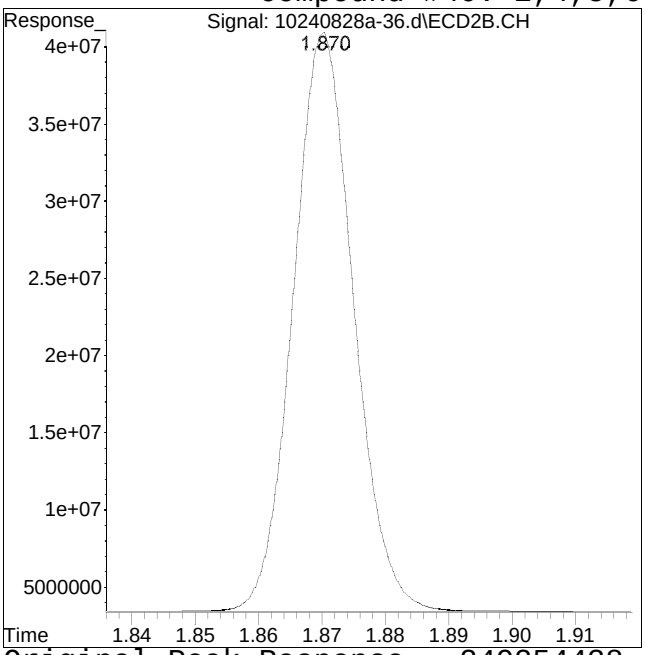
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



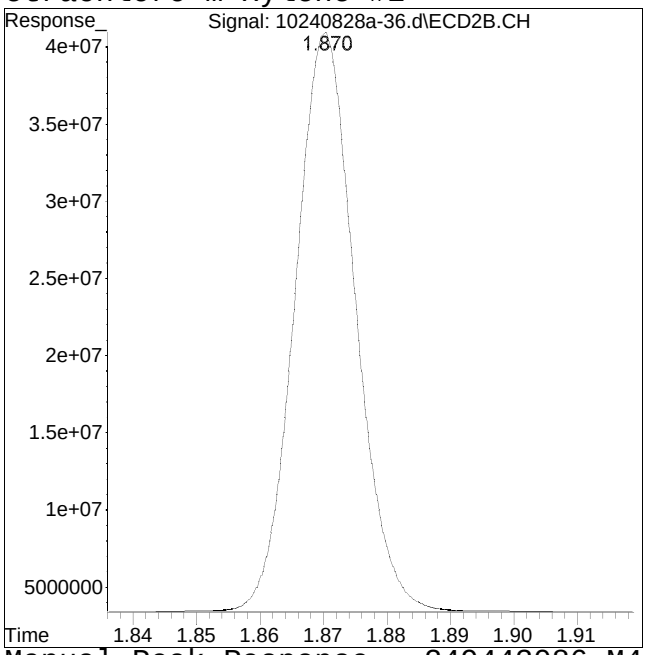
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-36.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest 10
Sample : L2447890-04,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 249254438



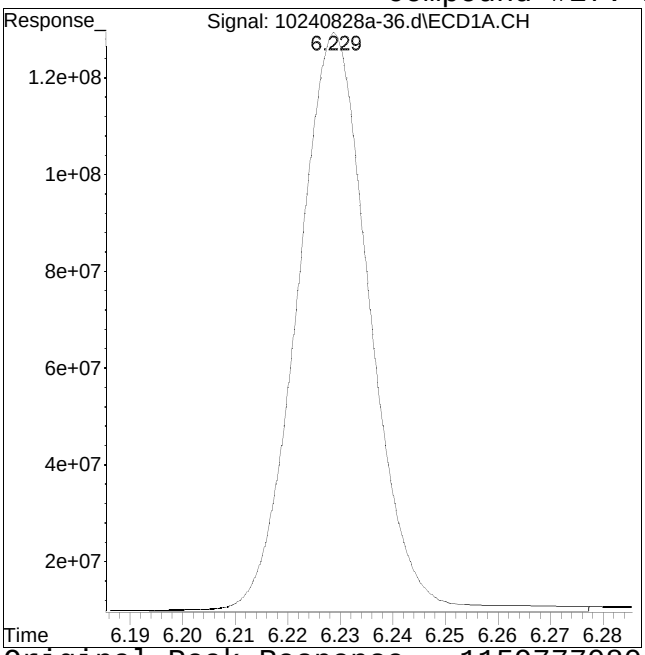
Manual Peak Response = 249443086 M4

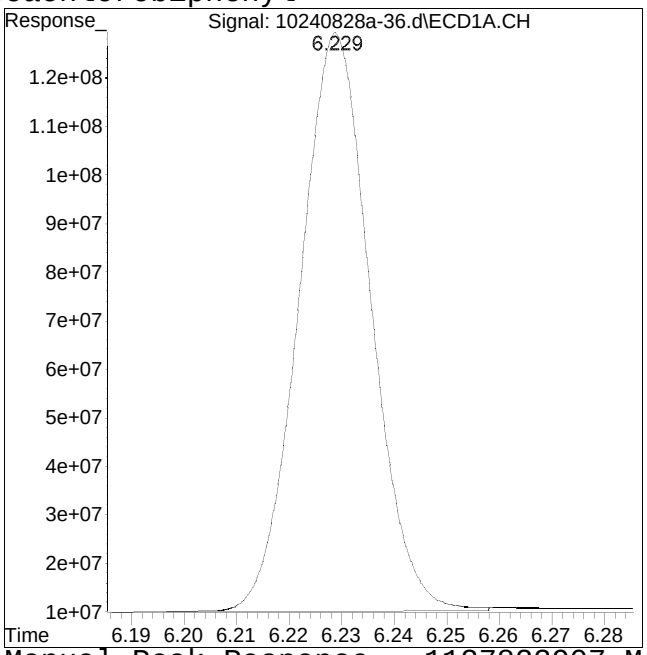
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-36.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest 10
Sample : L2447890-04,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #27: Decachlorobiphenyl



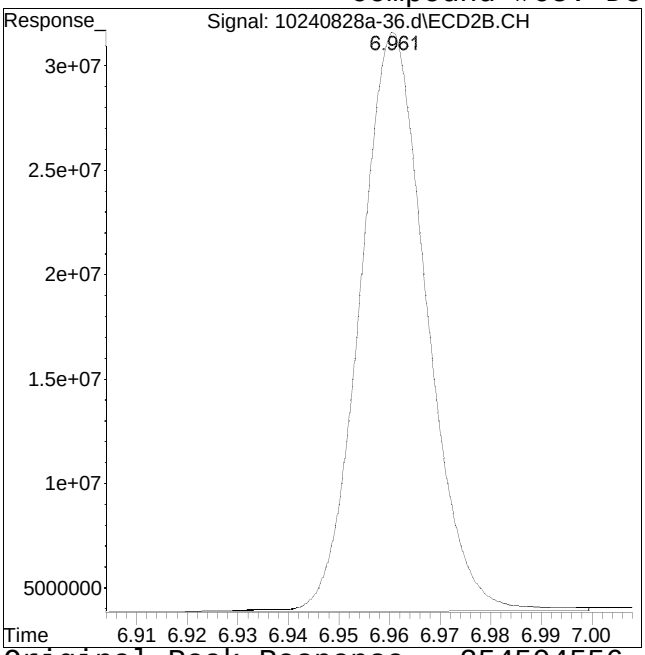


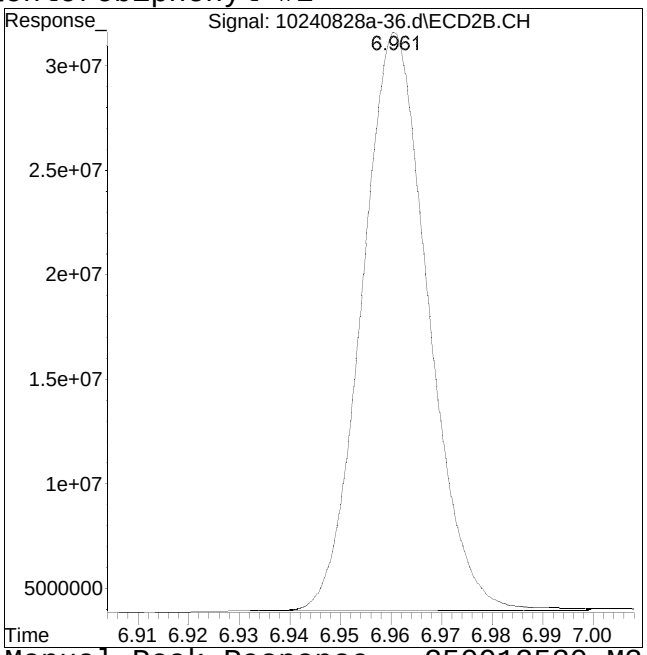
Original Peak Response = 1159777080 Manual Peak Response = 1127823907 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-36.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest 10
Sample : L2447890-04,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 254504556 Manual Peak Response = 250912530 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:28
Operator : PEST10:mmg
Sample : L2447890-06,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:31 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	799.0E6	175.7E6	25.000	25.000M3
	Standard Area 1 : #1 = 712112923				Recovery =	112.21%	
	Standard Area 1 : #2 = 150538774				Recovery =	116.71%	
28) i	1-br-2-nb_Ch	1.263	1.387	799.0E6	175.7E6	25.000	25.000M3
33) i	1-br-2-nb_To	1.263	1.387	799.0E6	175.7E6	25.000	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.870	1320.0E6	291.4E6	33.399M3	37.247M3
	Spiked Amount 50.000	Range 30 - 150			Recovery =	66.80%	74.49%
27) s	Decachlorobi	6.229	6.959	1258.7E6	273.6E6	32.785M4	37.689M3
	Spiked Amount 50.000	Range 30 - 150			Recovery =	65.57%	75.38%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:28
Operator : PEST10:mmg
Sample : L2447890-06,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:31 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

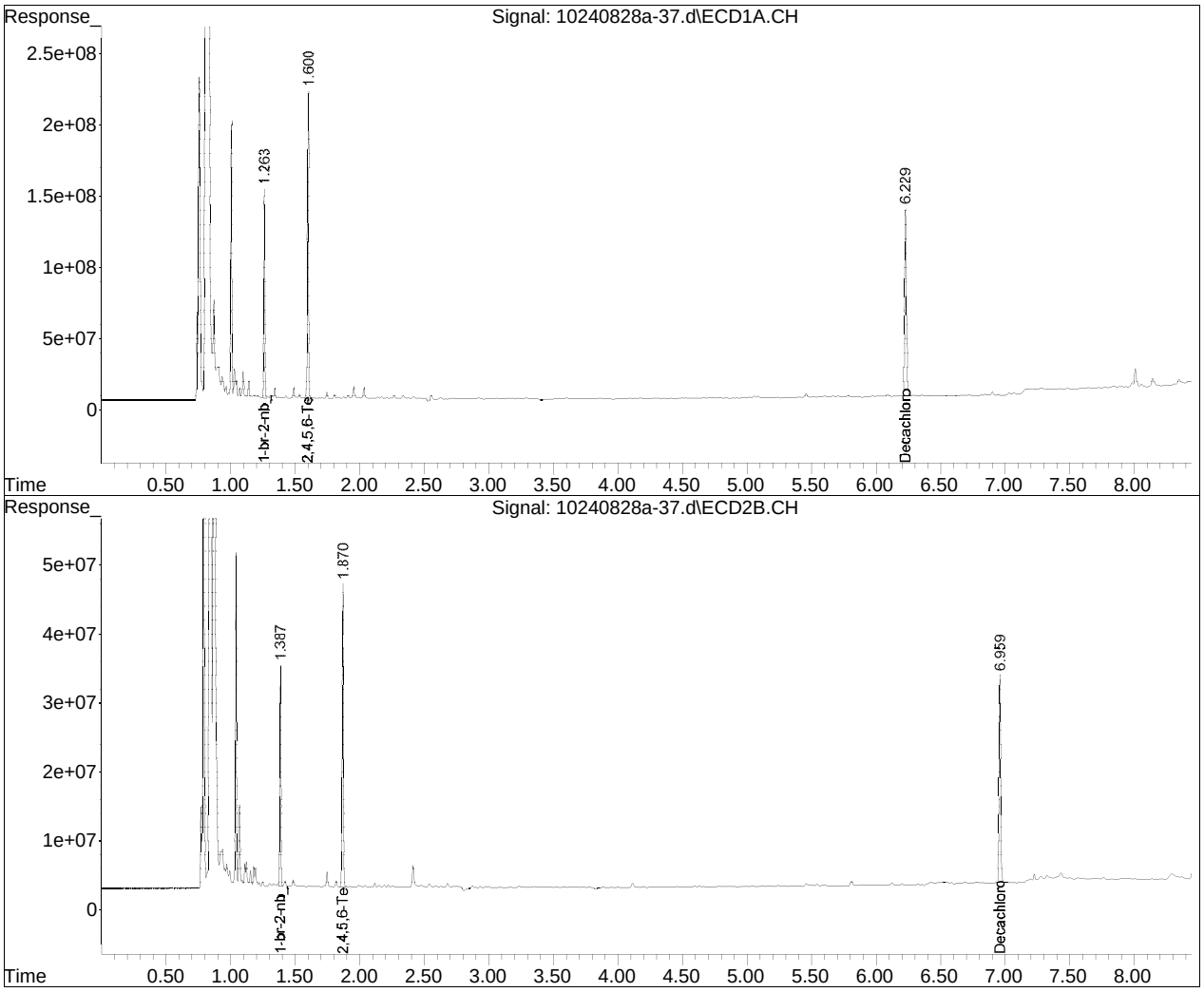
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:28
Operator : PEST10:mmg
Sample : L2447890-06,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:31 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

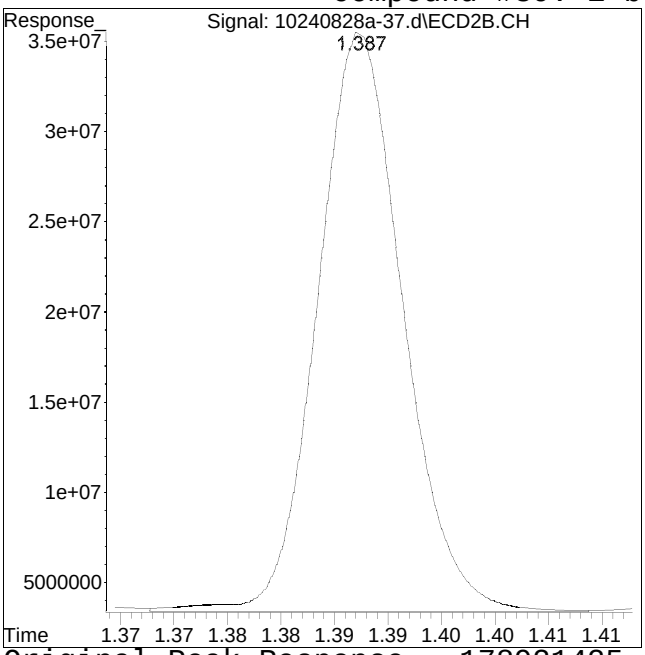
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

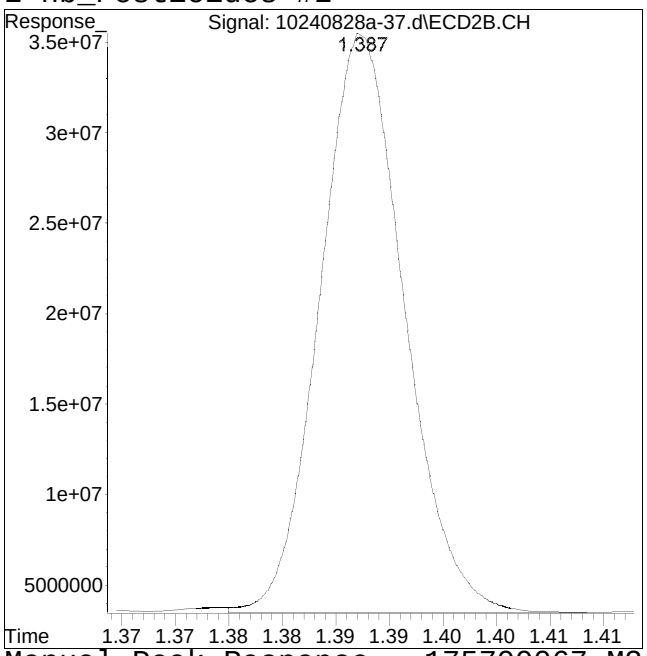


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #39: 1-br-2-nb_Pesticides #2



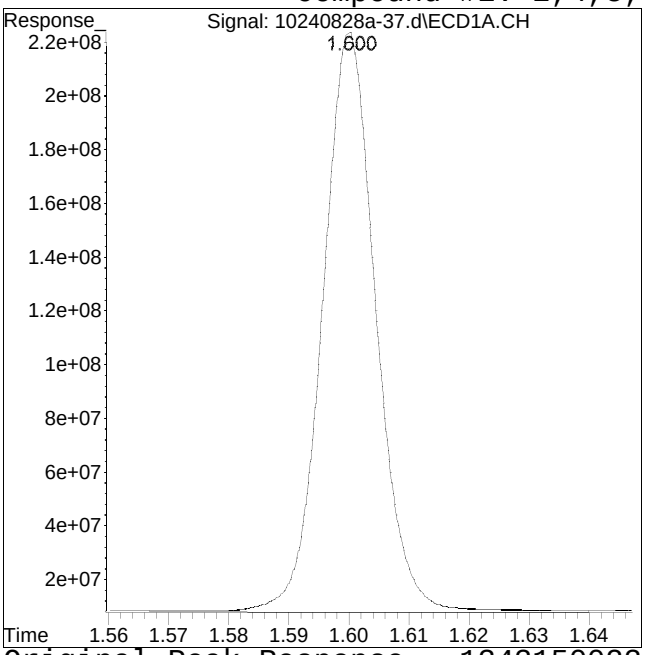


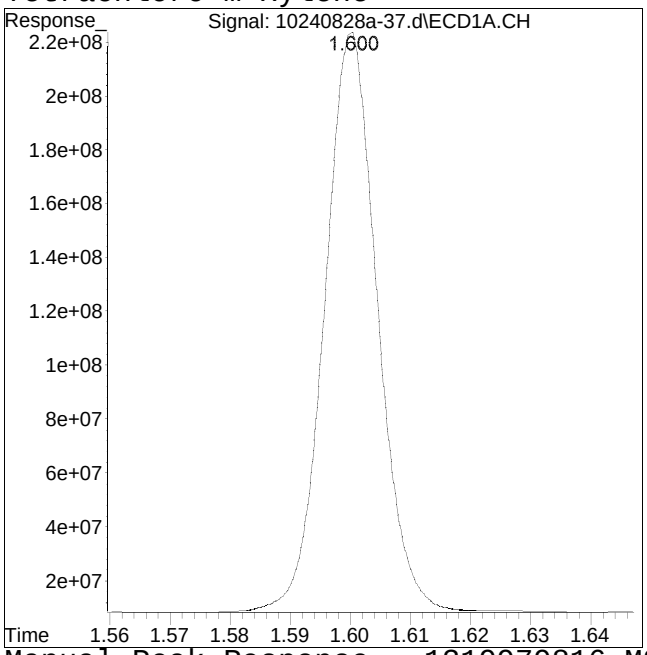
Original Peak Response = 178921425 Manual Peak Response = 175700067 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



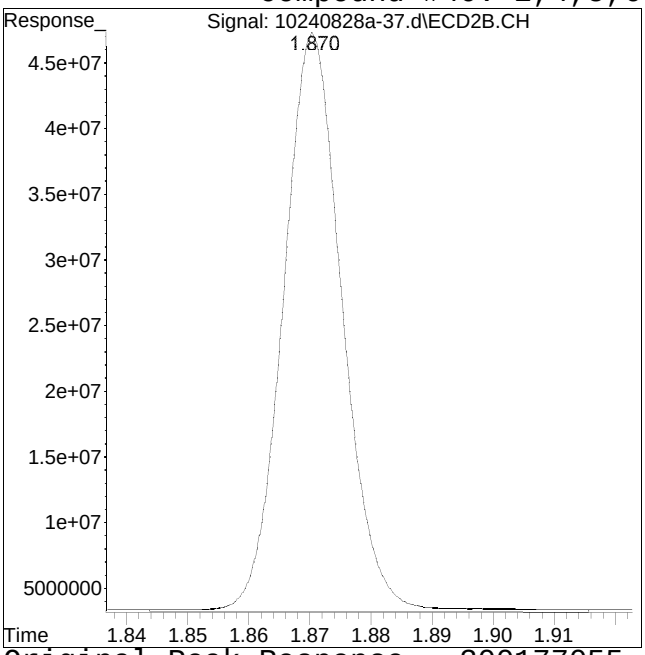


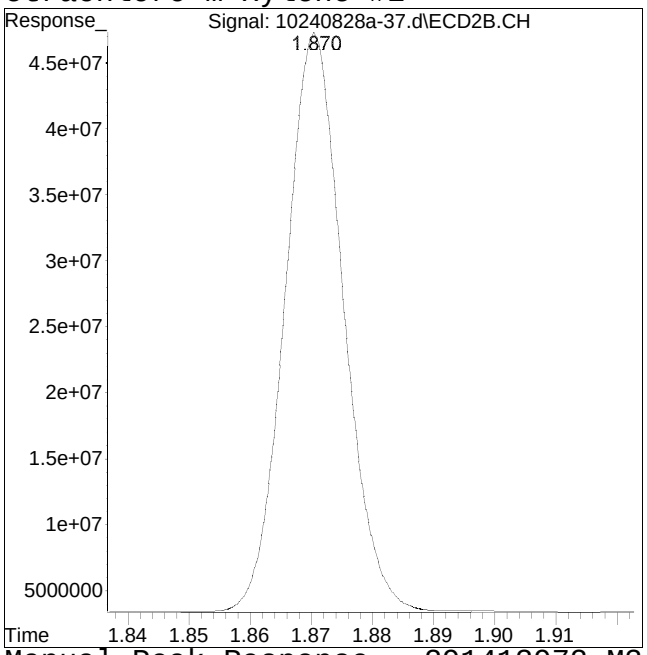
Original Peak Response = 1343150023 Manual Peak Response = 1319979816 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



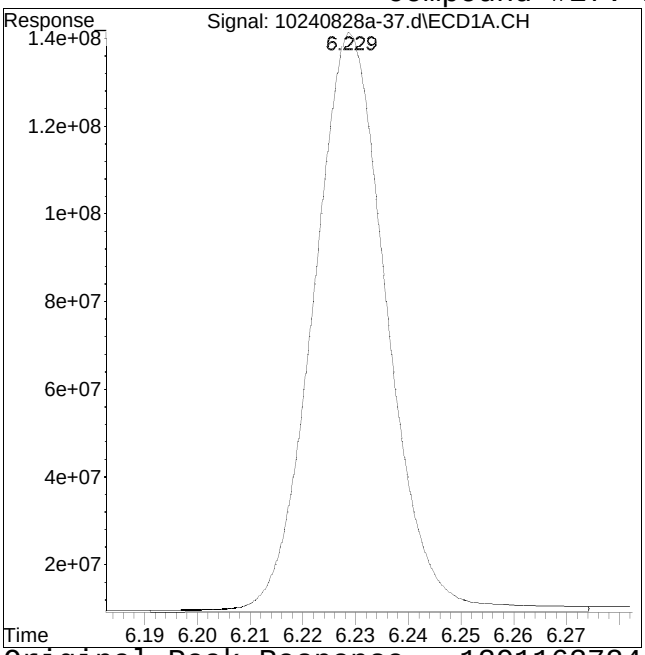


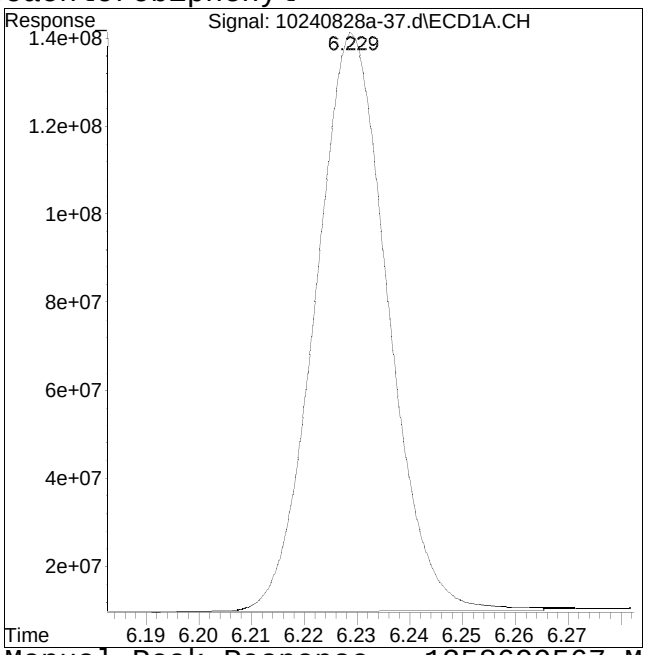
Original Peak Response = 300177055 Manual Peak Response = 291413972 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #27: Decachlorobiphenyl



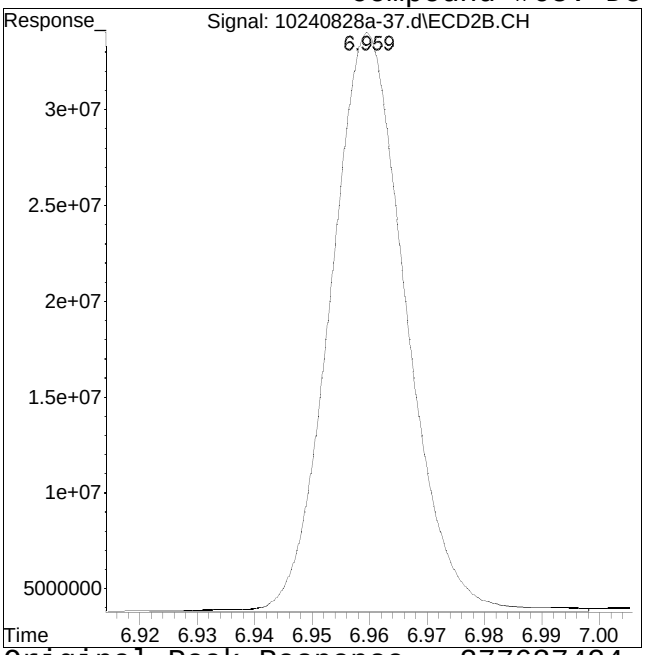


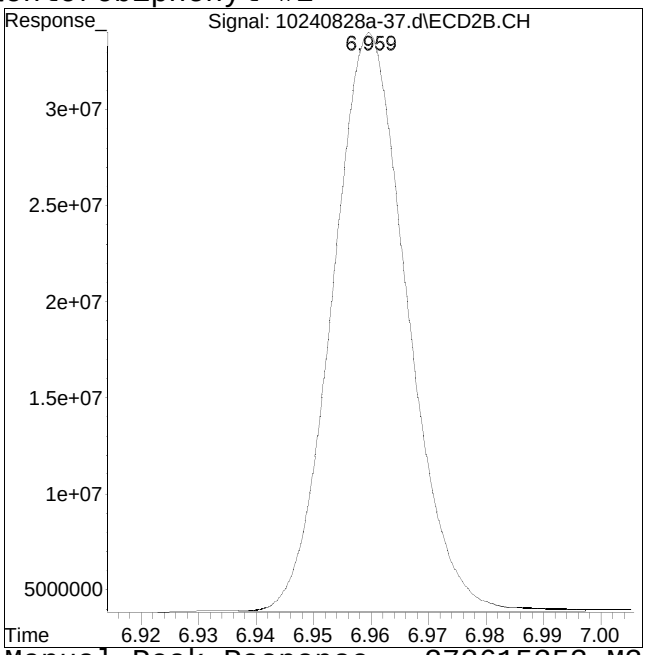
Original Peak Response = 1291163724 Manual Peak Response = 1258699567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #65: Decachlorobiphenyl #2



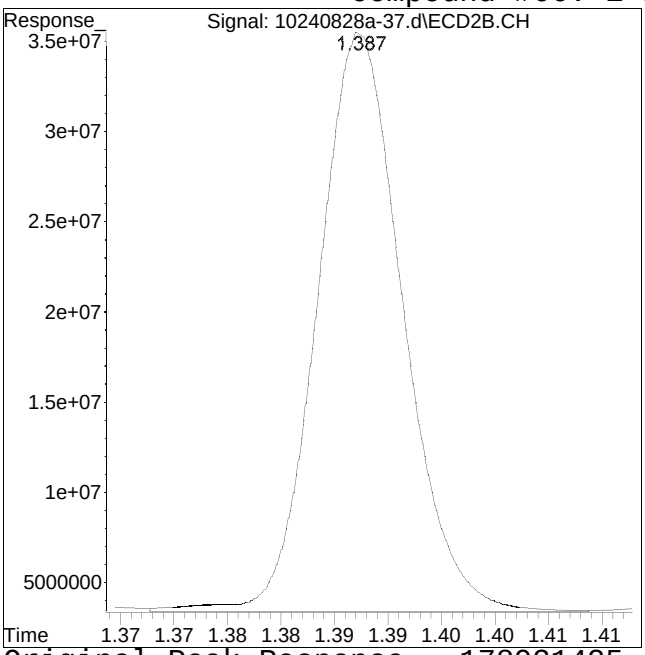


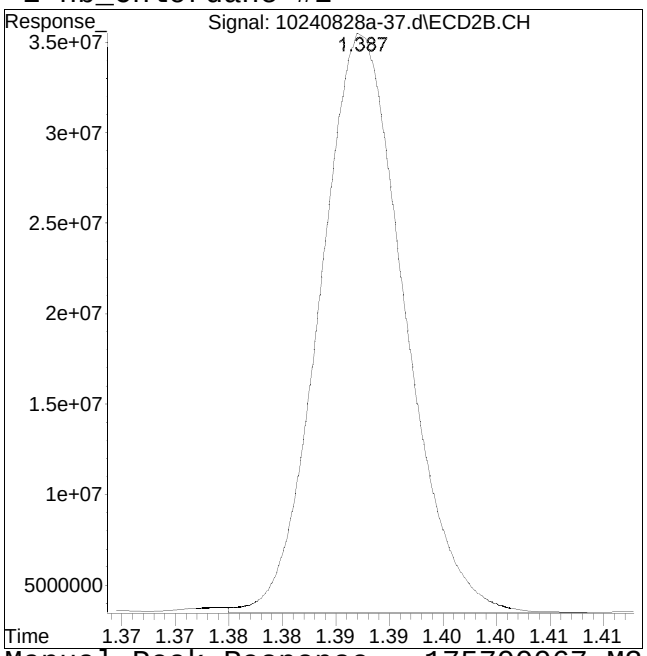
Original Peak Response = 277637424 Manual Peak Response = 273615353 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #66: 1-br-2-nb_Chlordane #2



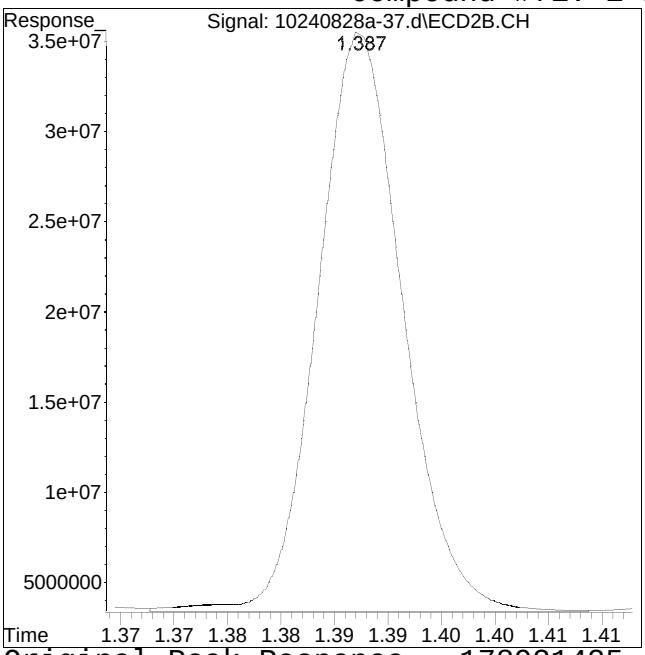


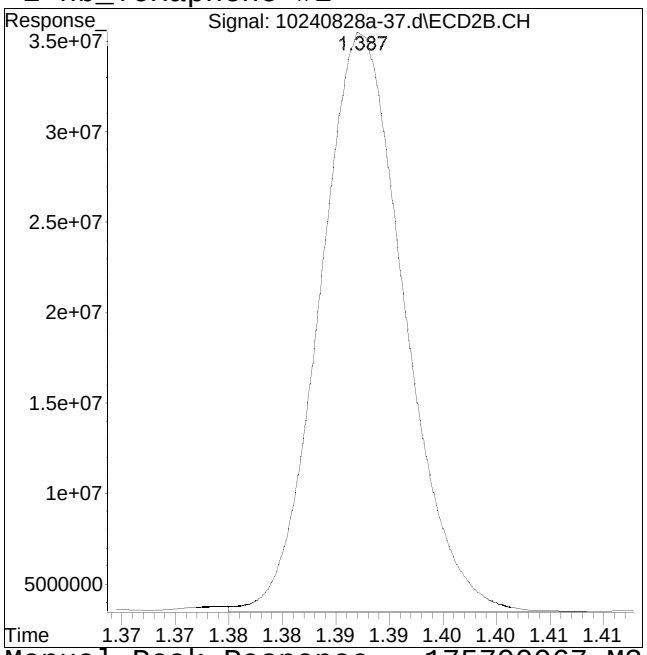
Original Peak Response = 178921425 Manual Peak Response = 175700067 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-37.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:28 Instrument : Pest 10
Sample : L2447890-06,42,, re Quant Date : 8/28/2024 2:25 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 178921425 Manual Peak Response = 175700067 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:37
Operator : PEST10:emr
Sample : L2447890-05,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:48 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.388	790.2E6	182.4E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	104.65%	
	Standard Area 1 : #2 = 173620500				Recovery =	105.08%	
28) i	1-br-2-nb_Ch	1.264	1.388	790.2E6	182.4E6	25.000	25.000
33) i	1-br-2-nb_To	1.264	1.388	790.2E6	182.4E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1239.8E6	276.5E6	31.723	34.035
	Spiked Amount	50.000	Range 30 - 150		Recovery =	63.45%	68.07%
27) s	Decachlorobi	6.231	6.959	1226.5E6	282.7E6	32.305M4	37.497M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	64.61%	74.99%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:37
Operator : PEST10:emr
Sample : L2447890-05,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:48 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

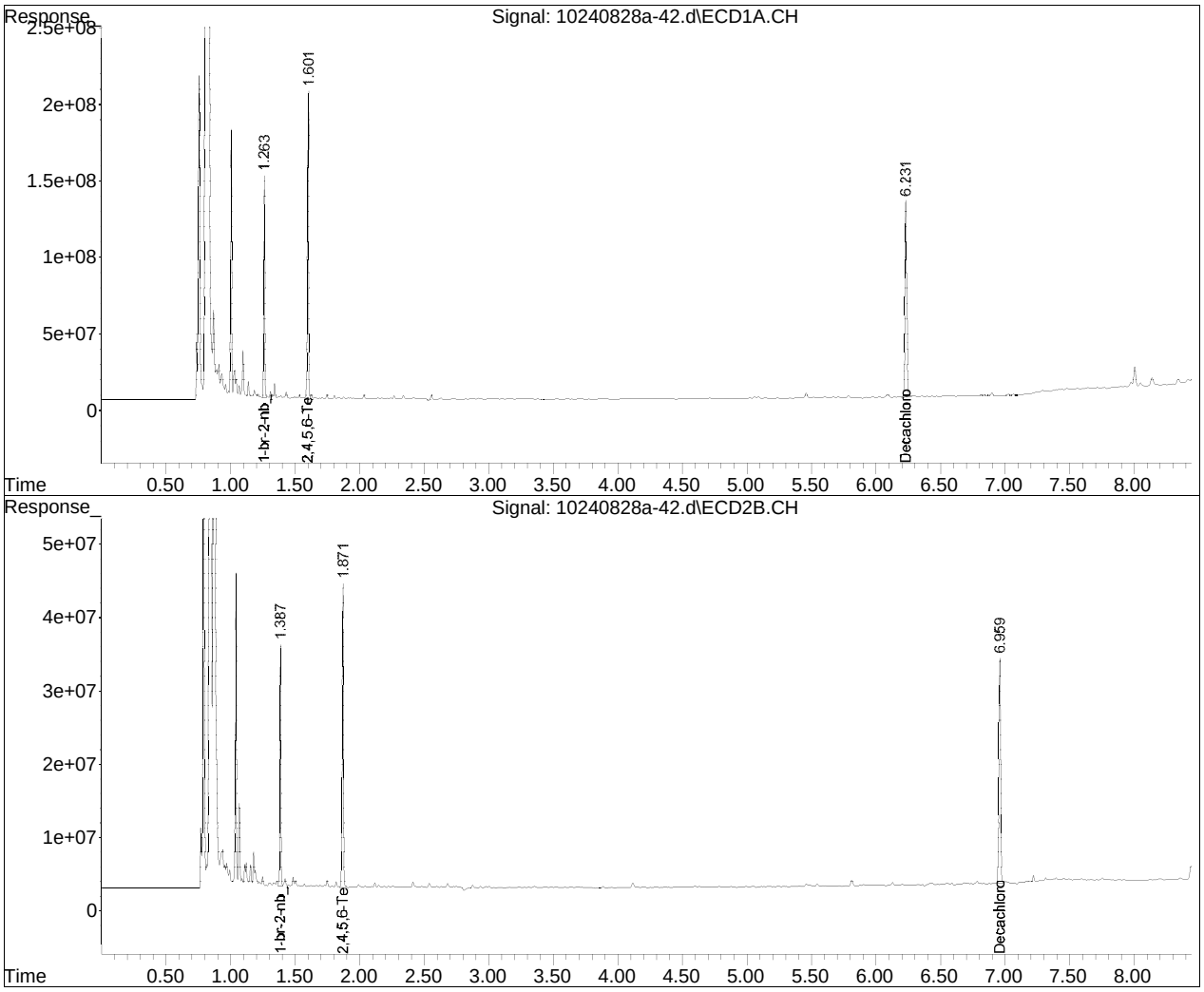
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:37
Operator : PEST10:emr
Sample : L2447890-05,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:48 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

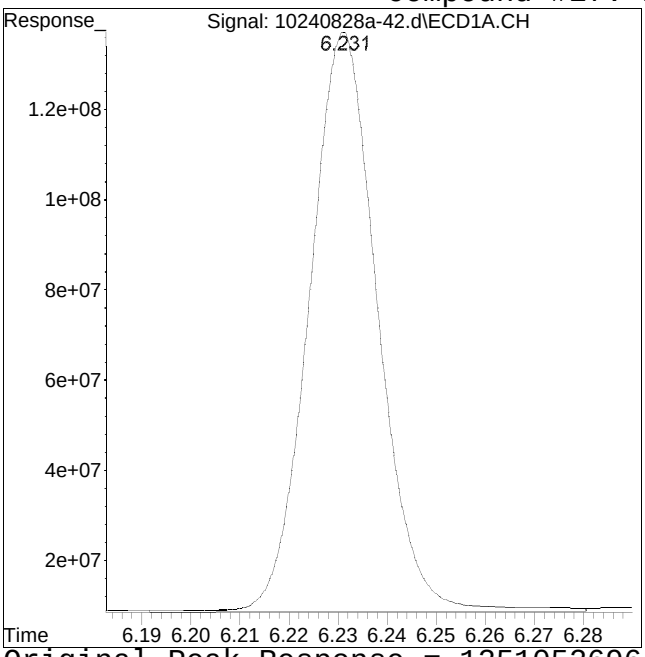
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

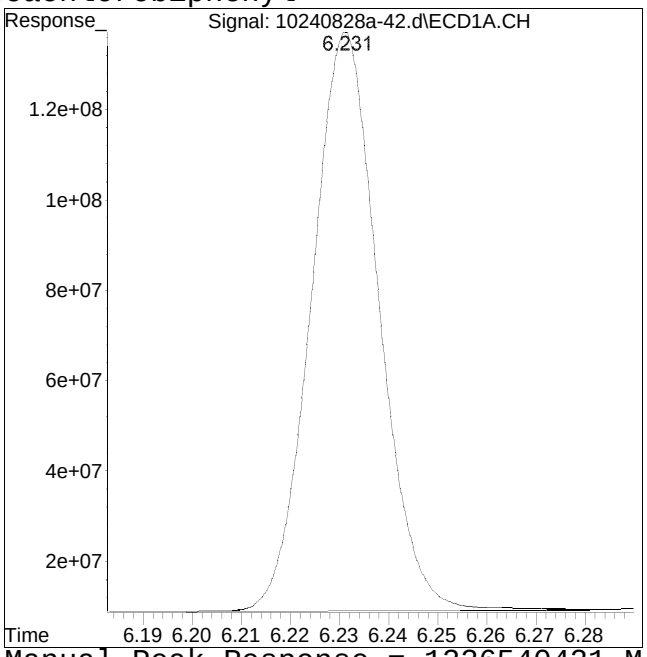


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-42.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 14:37 Instrument : Pest 10
Sample : L2447890-05,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #27: Decachlorobiphenyl



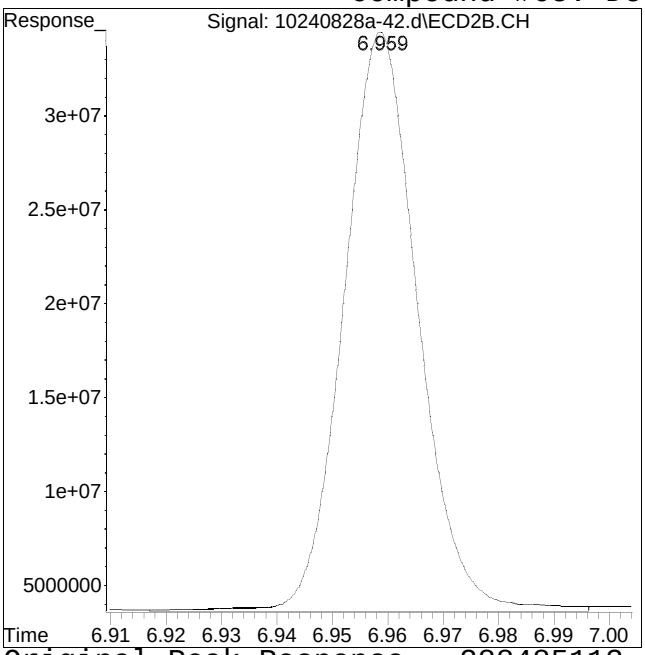


Original Peak Response = 1251052696 Manual Peak Response = 1226540421 M4
M4 = Poor automated baseline construction.

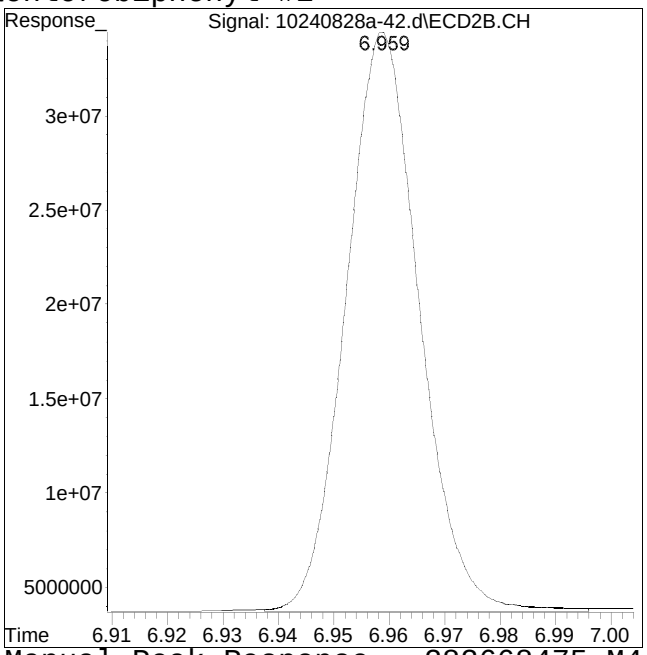
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-42.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 14:37 Instrument : Pest 10
Sample : L2447890-05,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 288485113



Manual Peak Response = 282668475 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:49
Operator : PEST10:emr
Sample : L2447890-07,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.387	771.1E6	172.8E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	102.12%	
	Standard Area 1 : #2 = 173620500				Recovery =	99.53%	
28) i	1-br-2-nb_Ch	1.264	1.387	771.1E6	172.8E6	25.000	25.000
33) i	1-br-2-nb_To	1.264	1.387	771.1E6	172.8E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1215.2E6	268.9E6	31.863	34.950
	Spiked Amount	50.000	Range 30 - 150		Recovery =	63.73%	69.90%
27) s	Decachlorobi	6.230	6.958	1214.1E6	265.5E6	32.770M4	37.191M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	65.54%	74.38%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:49
Operator : PEST10:emr
Sample : L2447890-07,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

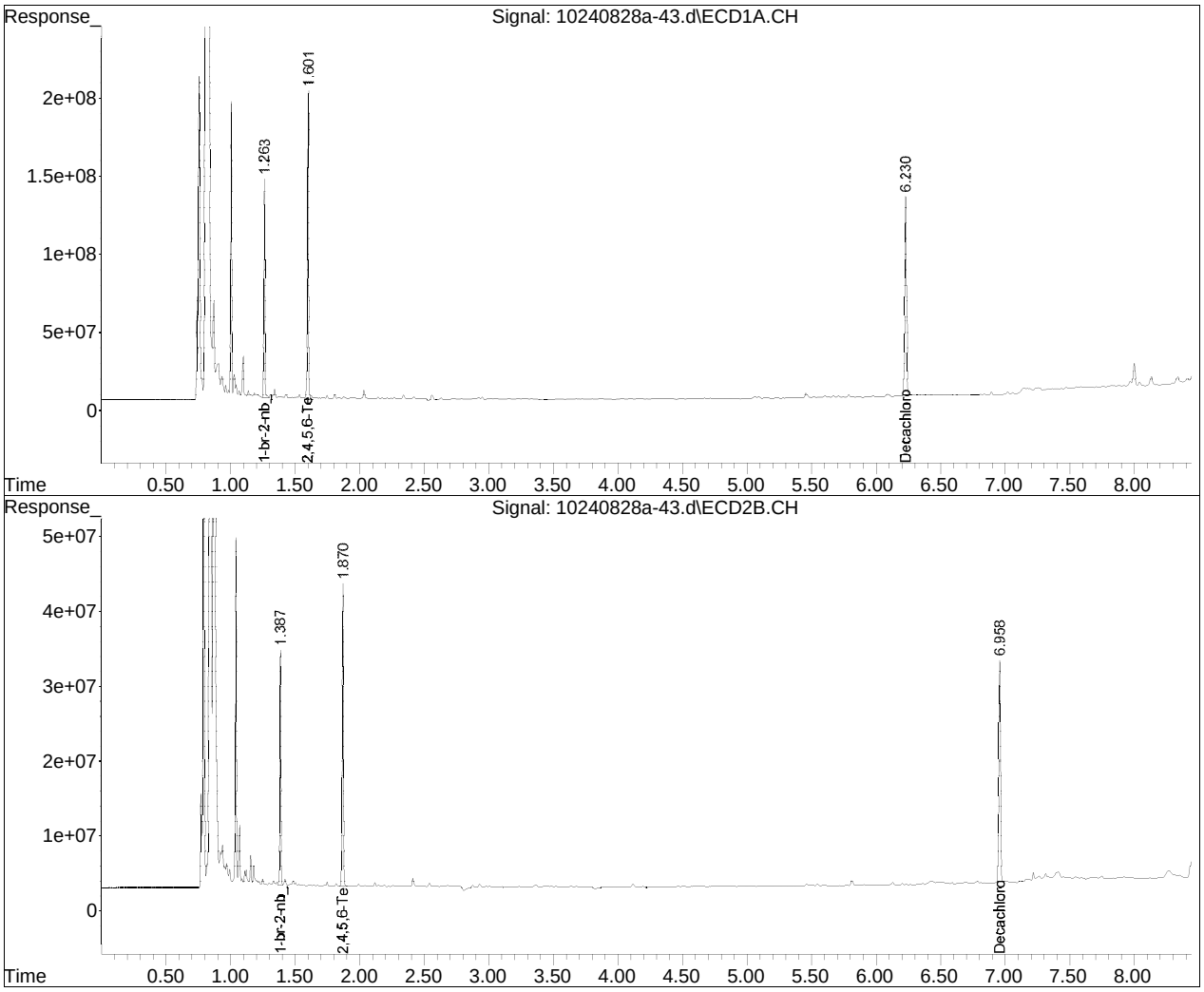
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 14:49
Operator : PEST10:emr
Sample : L2447890-07,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

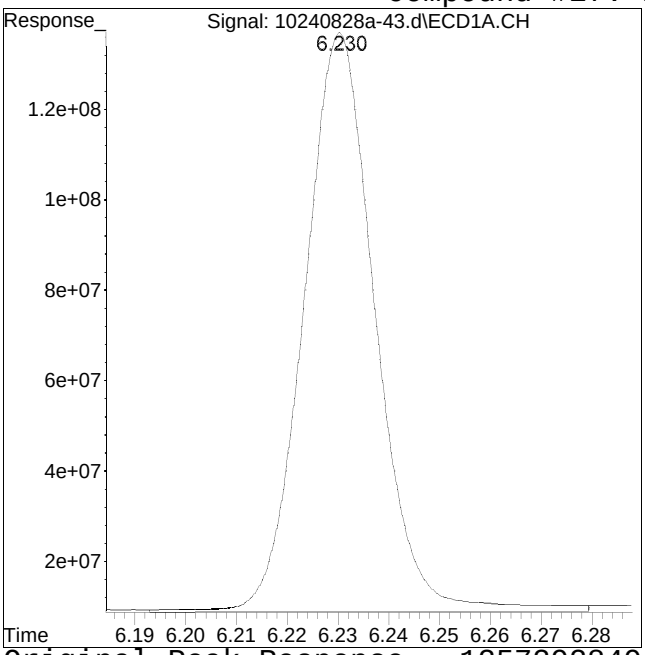
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

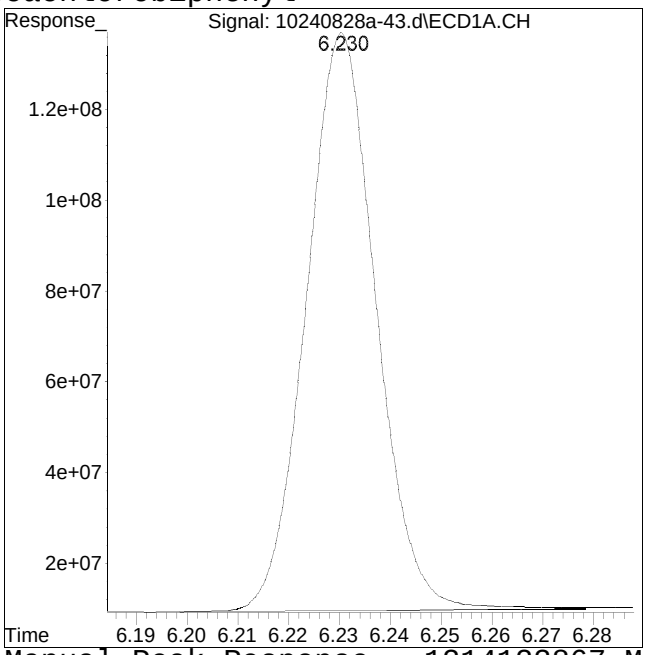


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-43.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 14:49 Instrument : Pest 10
Sample : L2447890-07,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #27: Decachlorobiphenyl



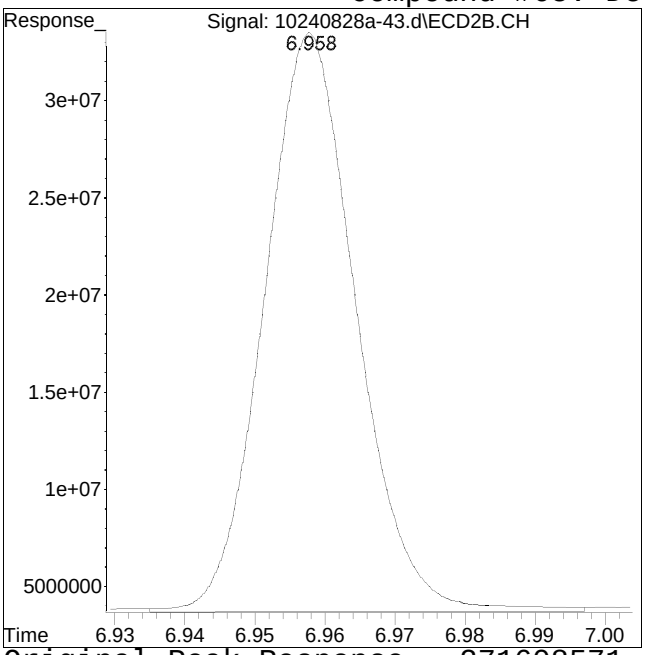


Original Peak Response = 1257292849 Manual Peak Response = 1214123867 M4
M4 = Poor automated baseline construction.

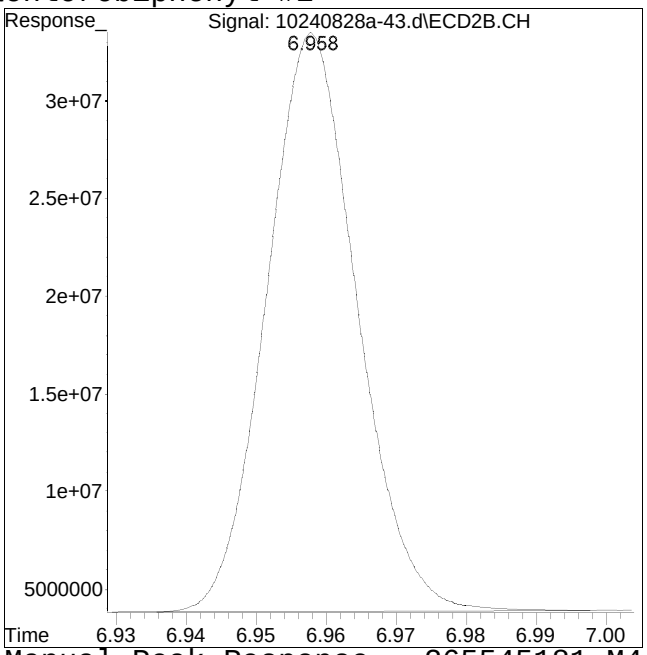
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-43.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 14:49 Instrument : Pest 10
Sample : L2447890-07,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 271608571



Manual Peak Response = 265545181 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:00
Operator : PEST10:emr
Sample : L2447890-08,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:54 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.387	793.8E6	177.5E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery = 105.13%		
	Standard Area 1 : #2 = 173620500				Recovery = 102.25%		
28) i	1-br-2-nb_Ch	1.264	1.387	793.8E6	177.5E6	25.000	25.000
33) i	1-br-2-nb_To	1.264	1.387	793.8E6	177.5E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1200.0E6	265.8E6	30.566	33.623
	Spiked Amount	50.000	Range 30 - 150		Recovery =	61.13%	67.25%
27) s	Decachlorobi	6.230	6.958	1063.5E6	233.1E6	27.886M4	31.784M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	55.77%	63.57%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:00
Operator : PEST10:emr
Sample : L2447890-08,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:54 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

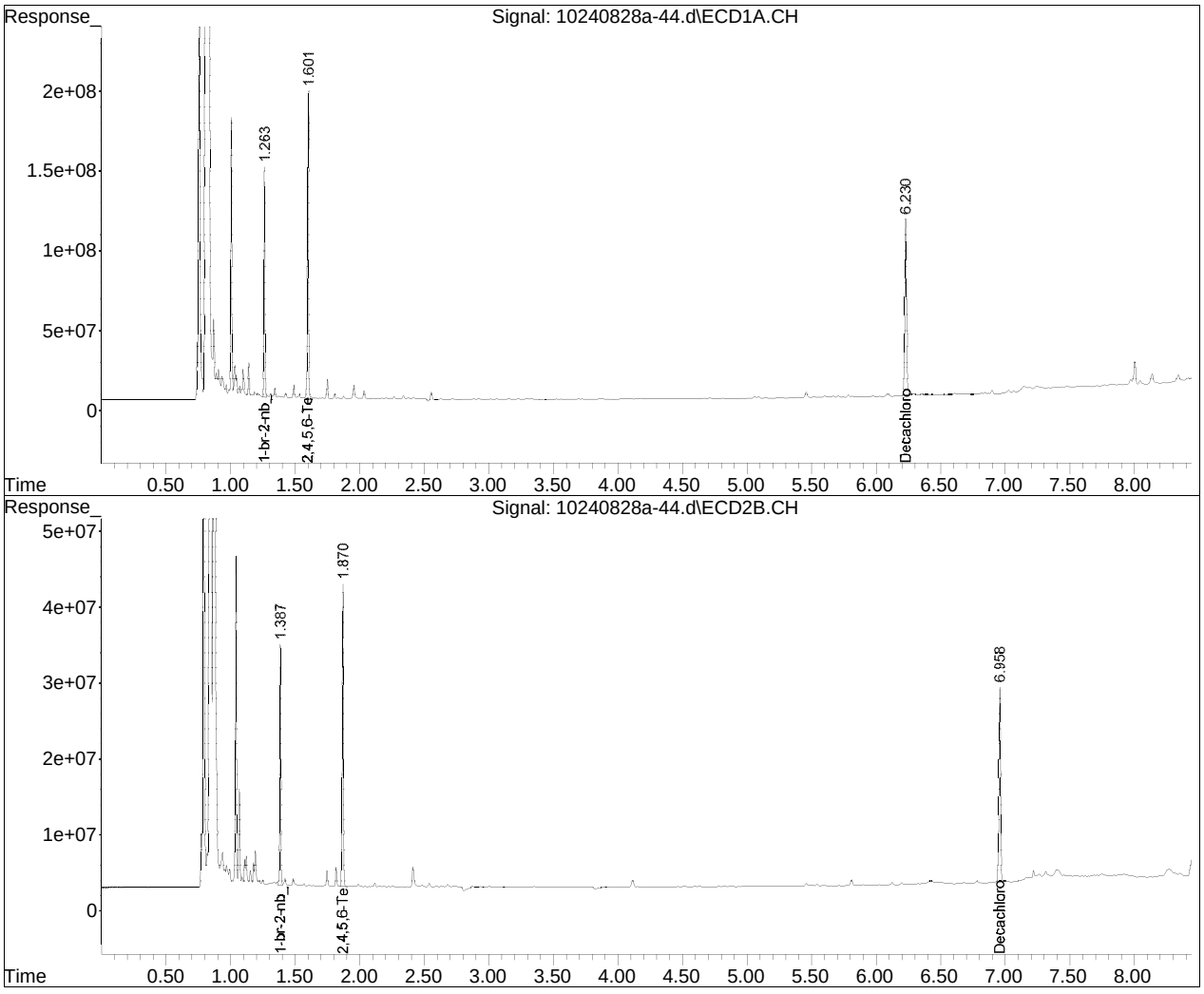
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:00
Operator : PEST10:emr
Sample : L2447890-08,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:54 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

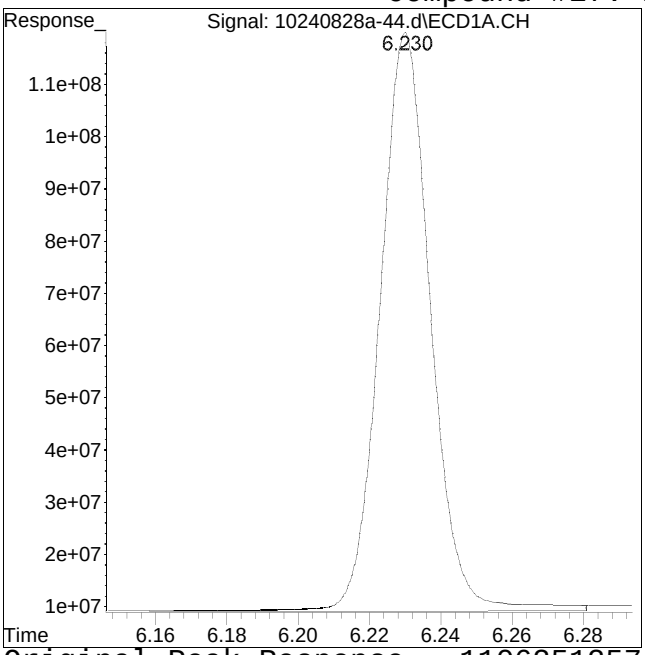
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

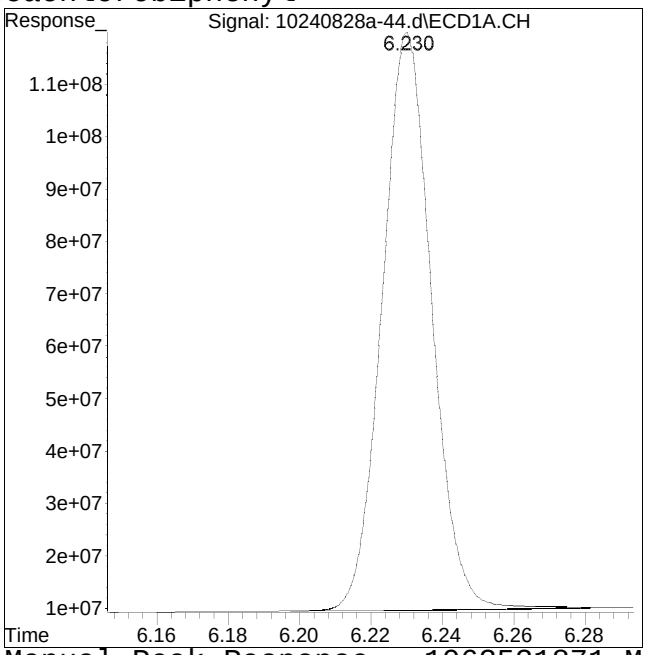


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-44.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:00 Instrument : Pest 10
Sample : L2447890-08,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #27: Decachlorobiphenyl



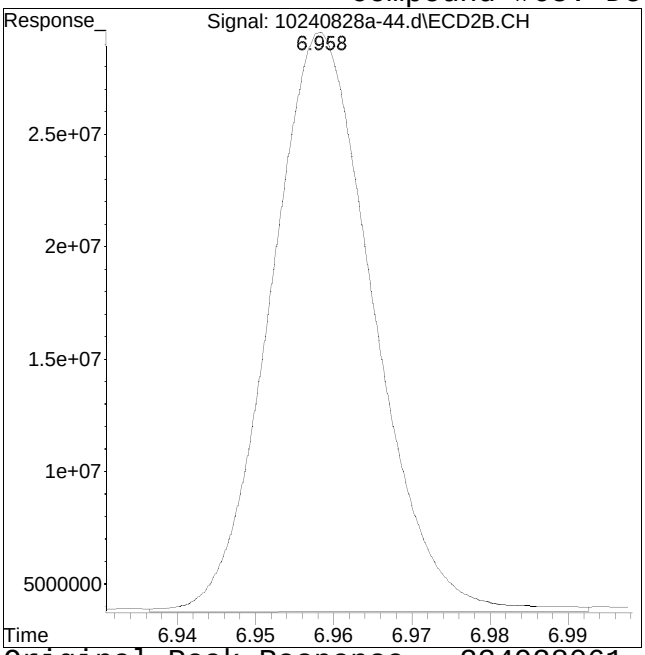


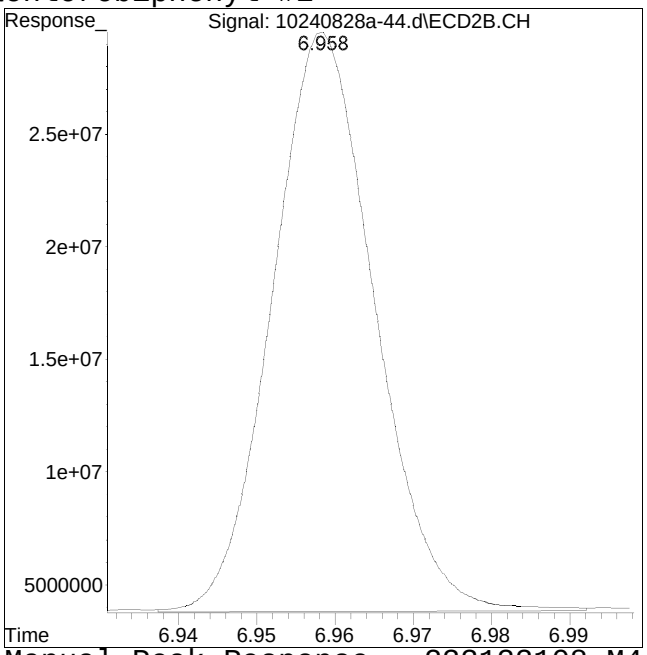
Original Peak Response = 1106251257 Manual Peak Response = 1063531871 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-44.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:00 Instrument : Pest 10
Sample : L2447890-08,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 234928061 Manual Peak Response = 233133108 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:11
Operator : PEST10:emr
Sample : L2447890-09,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.388	773.1E6	175.2E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	102.39%	
	Standard Area 1 : #2 = 173620500				Recovery =	100.91%	
28) i	1-br-2-nb_Ch	1.264	1.388	773.1E6	175.2E6	25.000	25.000
33) i	1-br-2-nb_To	1.264	1.388	773.1E6	175.2E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1269.9E6	288.1E6	33.209	36.931
	Spiked Amount	50.000	Range 30 - 150		Recovery =	66.42%	73.86%
27) s	Decachlorobi	6.231	6.958	1243.2E6	269.3E6	33.469	37.196M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	66.94%	74.39%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:11
Operator : PEST10:emr
Sample : L2447890-09,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

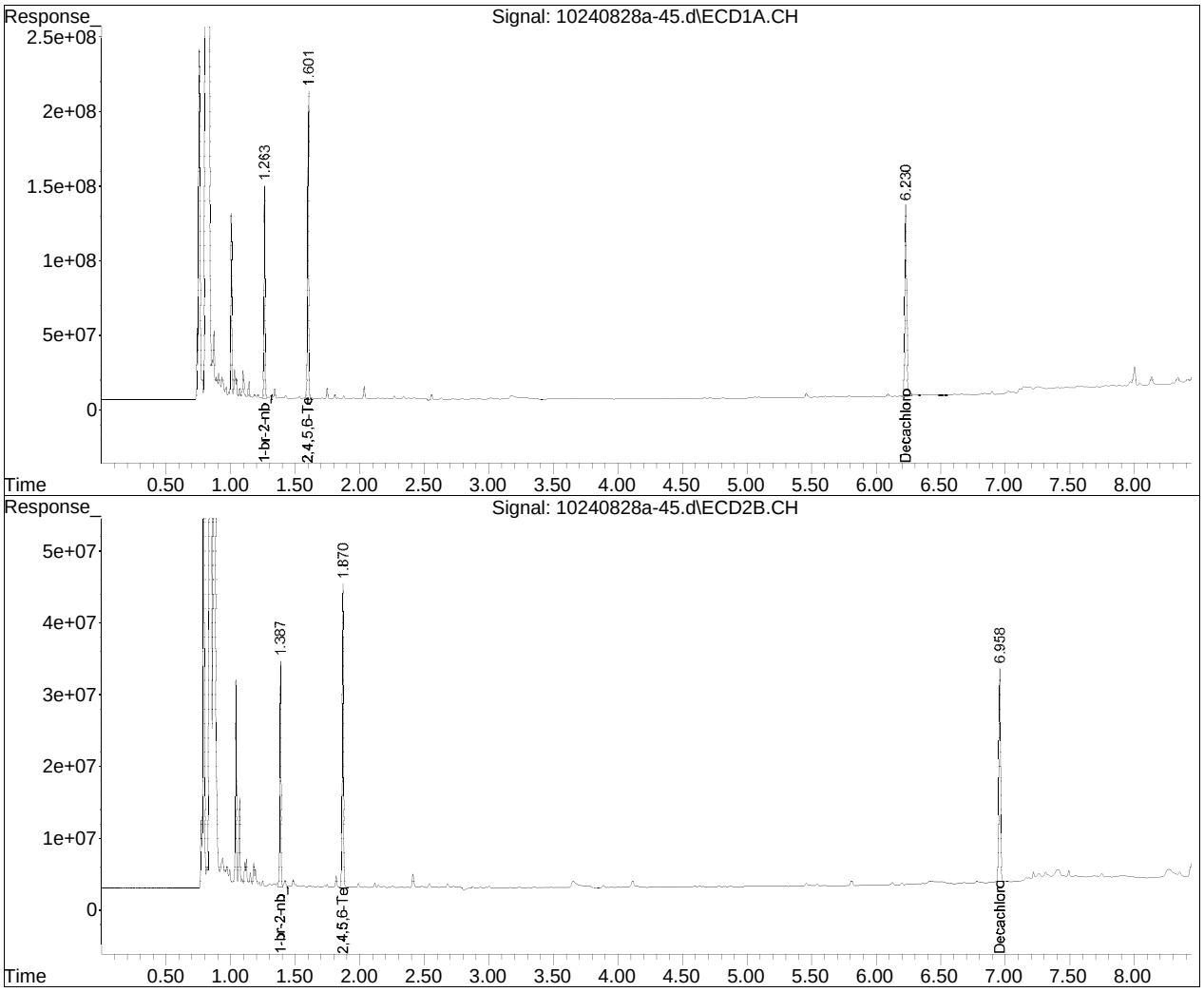
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:11
Operator : PEST10:emr
Sample : L2447890-09,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 45 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:22:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

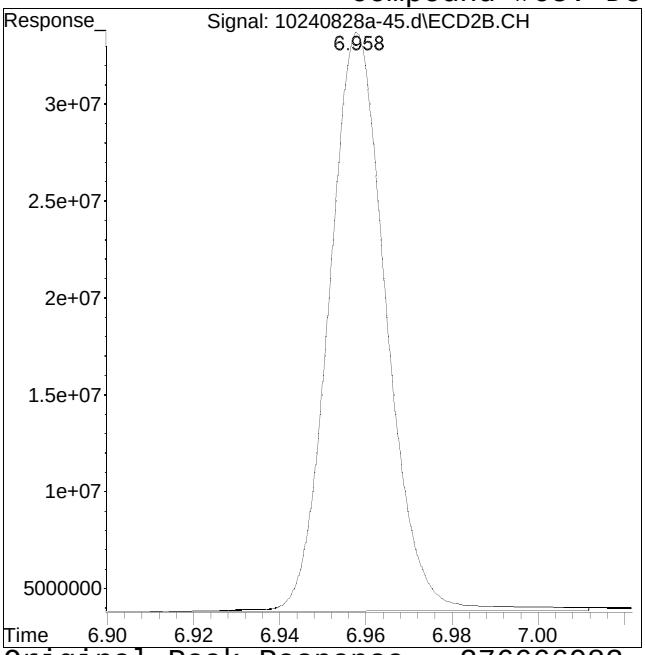
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

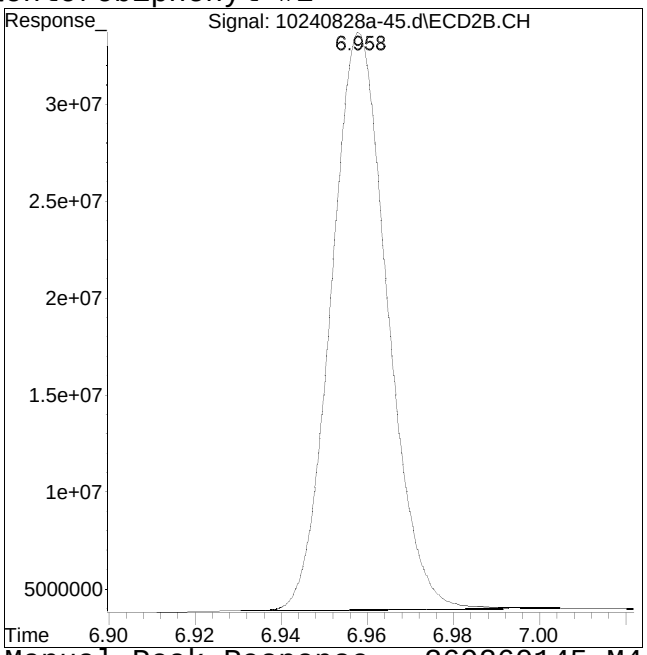


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-45.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:11 Instrument : Pest 10
Sample : L2447890-09,42,, re Quant Date : 8/28/2024 4:22 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 276666983 Manual Peak Response = 269260145 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:22
Operator : PEST10:emr
Sample : L2447890-10,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.388	837.1E6	190.4E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	110.86%	
	Standard Area 1 : #2 = 173620500				Recovery =	109.68%	
28) i	1-br-2-nb_Ch	1.264	1.388	837.1E6	190.4E6	25.000	25.000
33) i	1-br-2-nb_To	1.264	1.388	837.1E6	190.4E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1265.0E6	280.6E6	30.554	33.093
	Spiked Amount	50.000	Range 30 - 150		Recovery =	61.11%	66.19%
27) s	Decachlorobi	6.229	6.960	1147.1E6	274.6E6	28.520M4	34.902
	Spiked Amount	50.000	Range 30 - 150		Recovery =	57.04%	69.80%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:22
Operator : PEST10:emr
Sample : L2447890-10,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

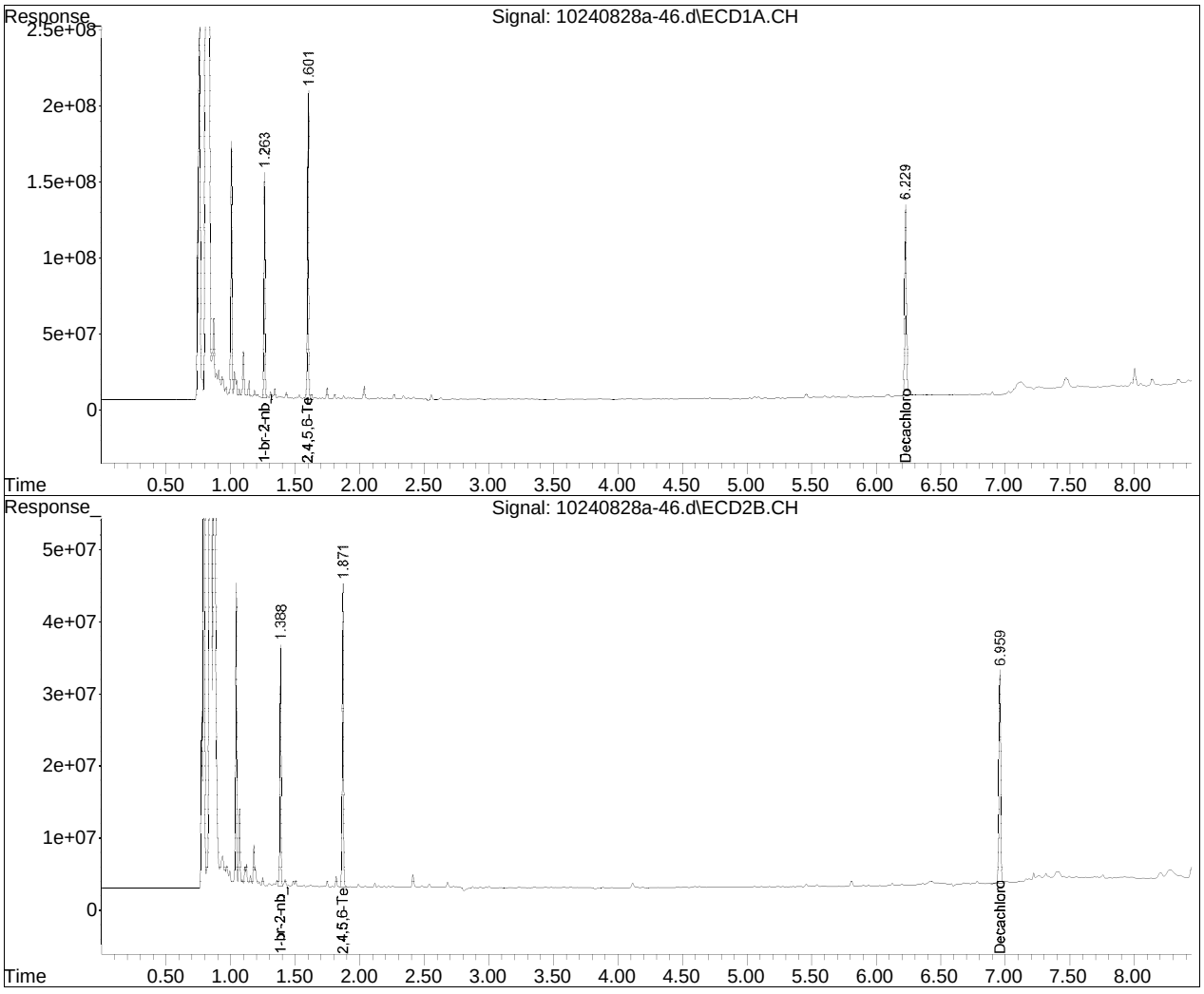
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:22
Operator : PEST10:emr
Sample : L2447890-10,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 46 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

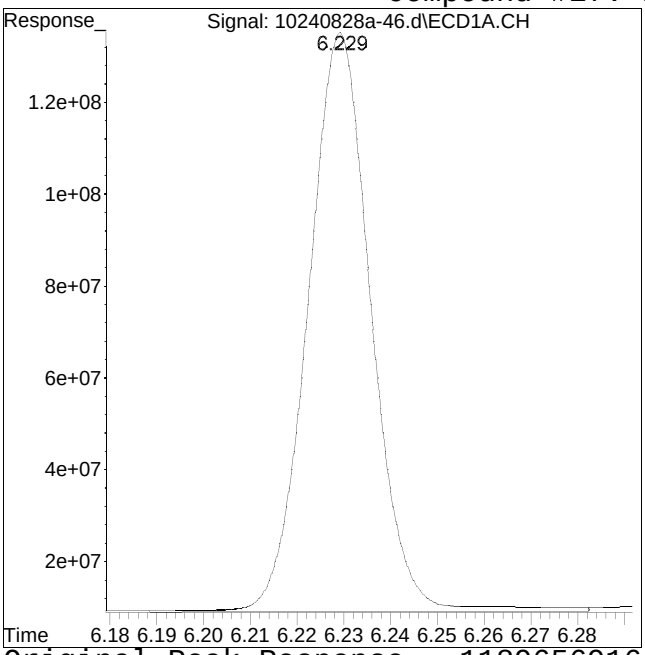
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

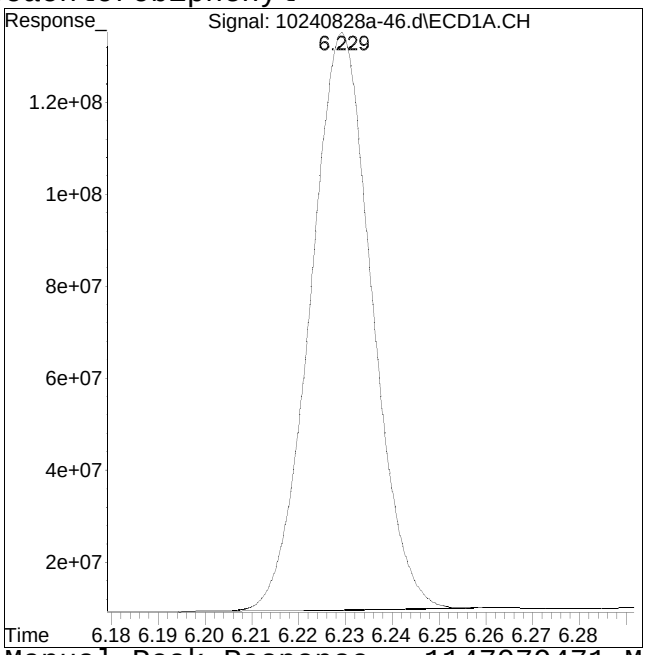


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-46.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:22 Instrument : Pest 10
Sample : L2447890-10,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #27: Decachlorobiphenyl





Original Peak Response = 1189656916 Manual Peak Response = 1147079471 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-47.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:33
Operator : PEST10:emr
Sample : L2447890-11,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 47 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:03 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	751.7E6	167.4E6	25.000	25.000M4
	Standard Area 1 : #1 = 755045198				Recovery =	99.55%	
	Standard Area 1 : #2 = 173620500				Recovery =	96.43%	
28) i	1-br-2-nb_Ch	1.263	1.387	751.7E6	167.4E6	25.000	25.000M4
33) i	1-br-2-nb_To	1.263	1.387	751.7E6	167.4E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.870	1122.9E6	247.8E6	30.203	33.246
	Spiked Amount 50.000	Range 30 - 150			Recovery =	60.41%	66.49%
27) s	Decachlorobi	6.228	6.957	1062.7E6	239.8E6	29.426M4	34.670M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	58.85%	69.34%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-47.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:33
Operator : PEST10:emr
Sample : L2447890-11,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 47 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:03 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

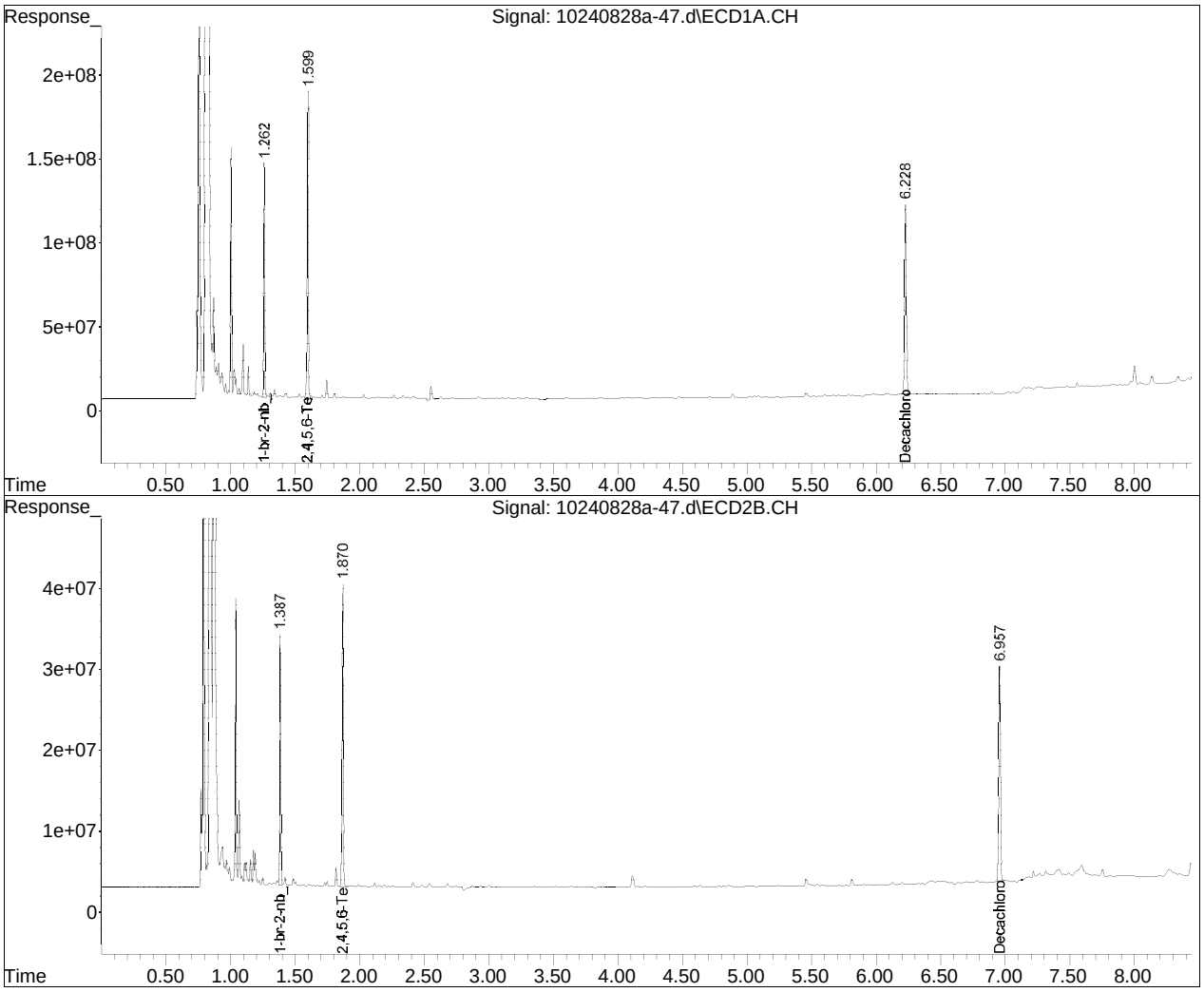
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-47.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:33
Operator : PEST10:emr
Sample : L2447890-11,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 47 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:03 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

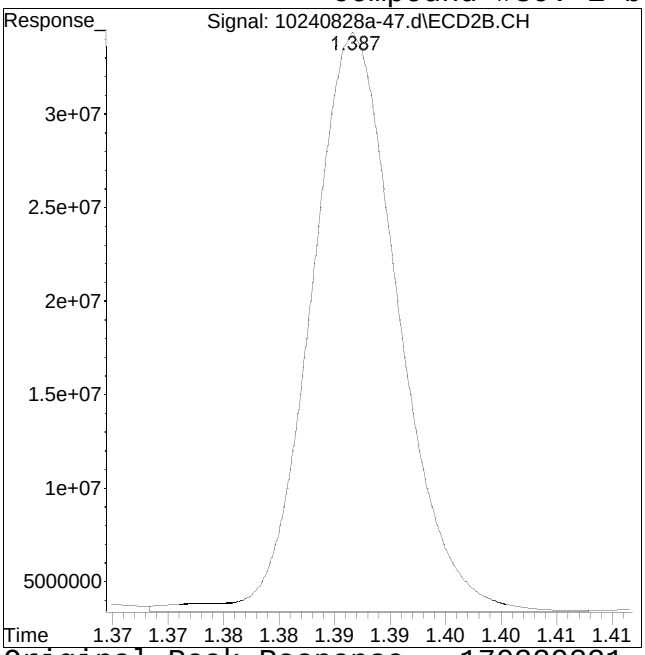
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

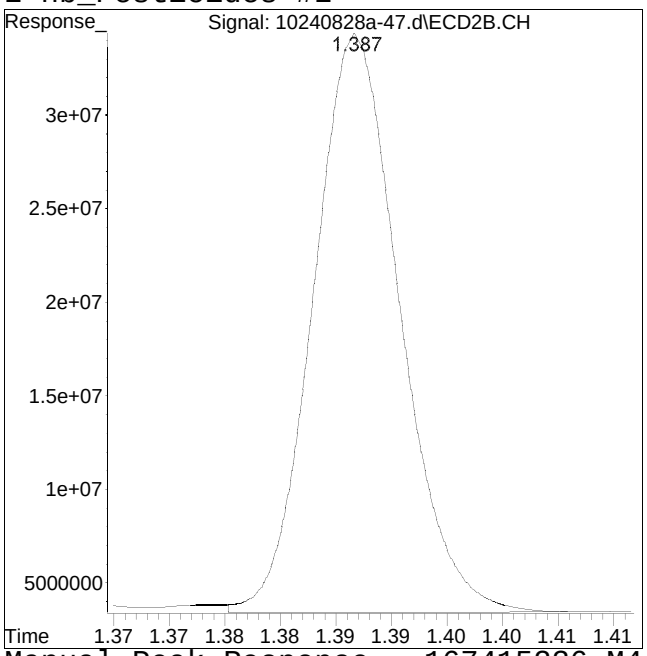


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-47.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:33 Instrument : Pest 10
Sample : L2447890-11,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #39: 1-br-2-nb_Pesticides #2



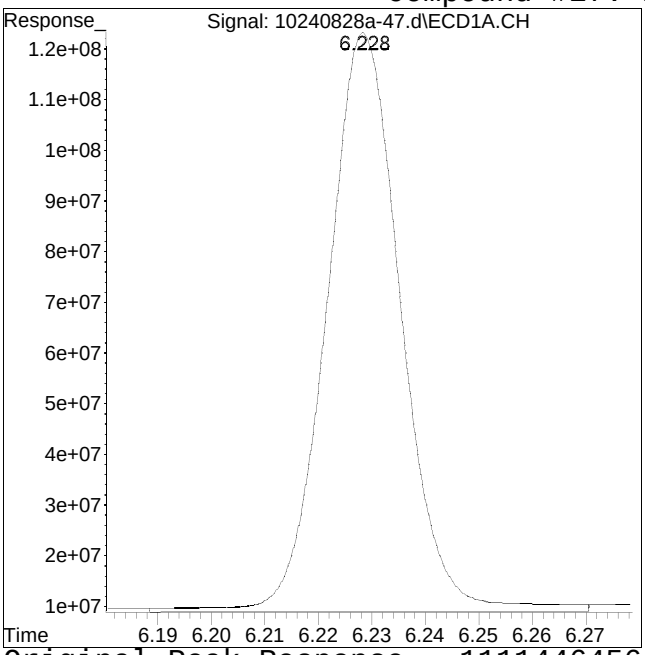


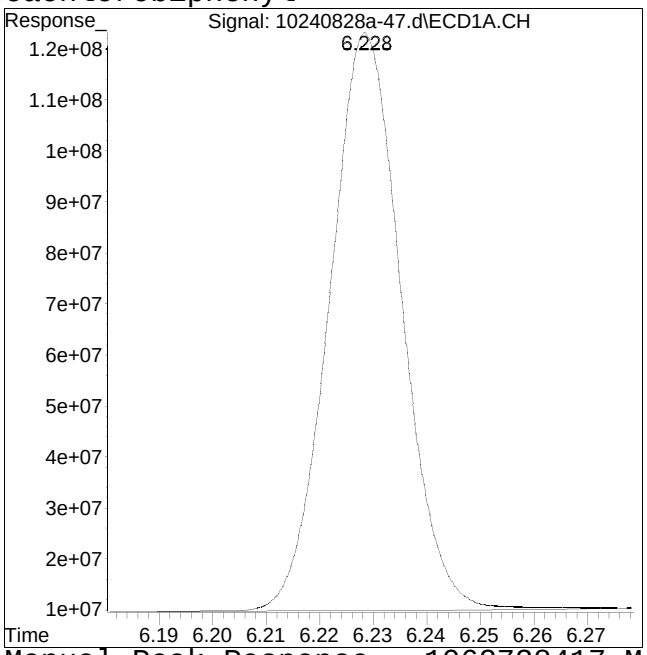
Original Peak Response = 170329321 Manual Peak Response = 167415236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-47.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:33 Instrument : Pest 10
Sample : L2447890-11,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #27: Decachlorobiphenyl



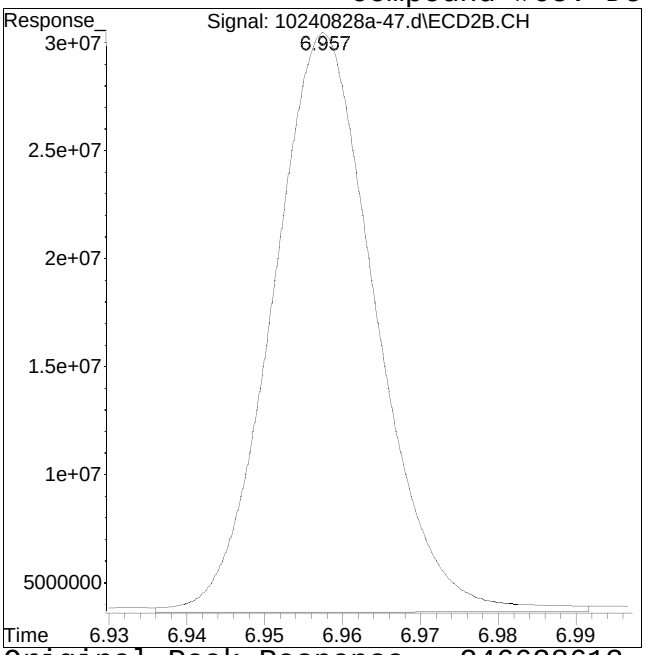


Original Peak Response = 1111446456 Manual Peak Response = 1062738417 M4
M4 = Poor automated baseline construction.

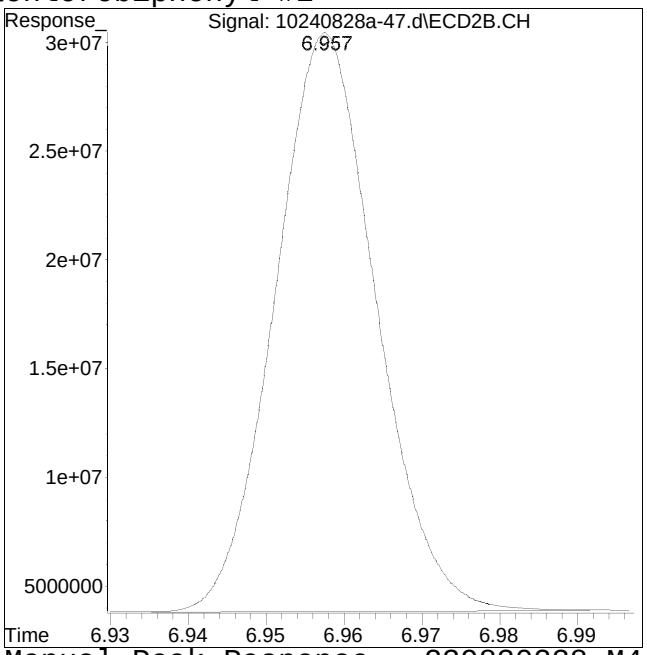
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-47.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:33 Instrument : Pest 10
Sample : L2447890-11,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 246628613



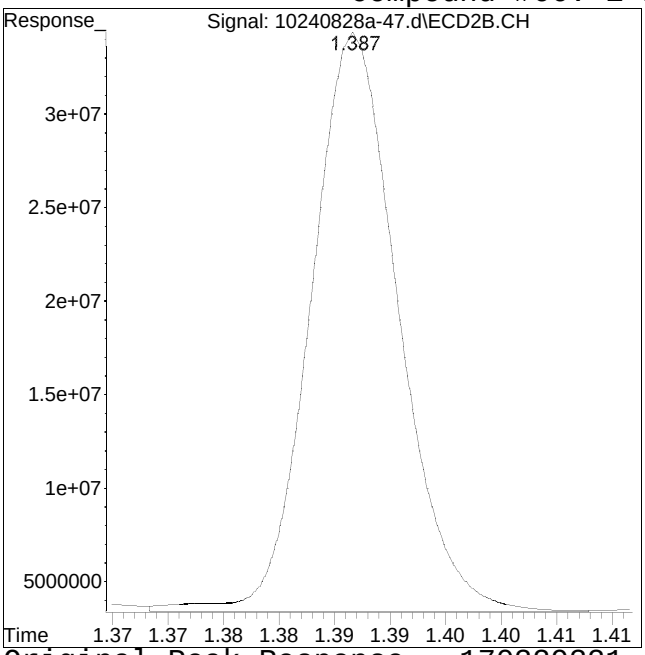
Manual Peak Response = 239830238 M4

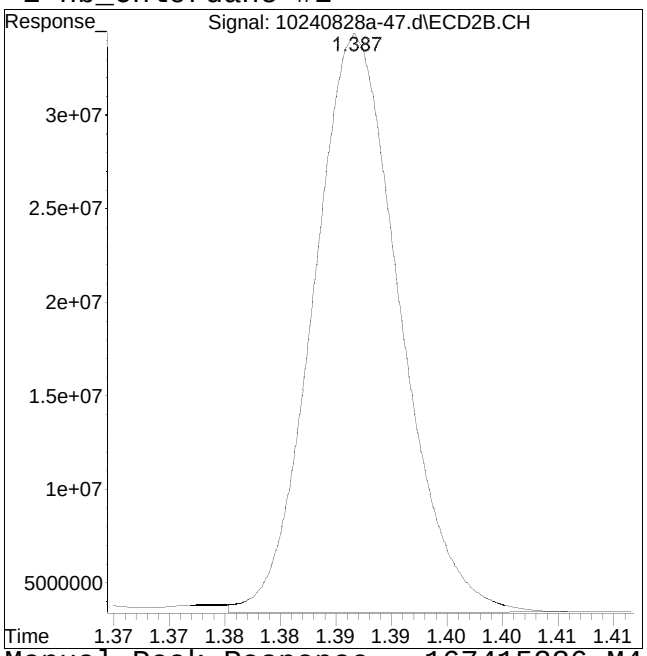
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-47.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:33 Instrument : Pest 10
Sample : L2447890-11,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #66: 1-br-2-nb_Chlordane #2



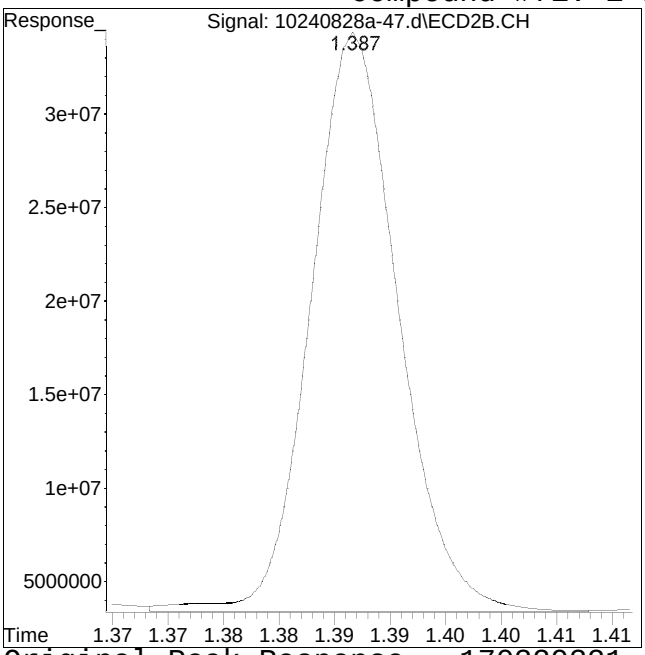


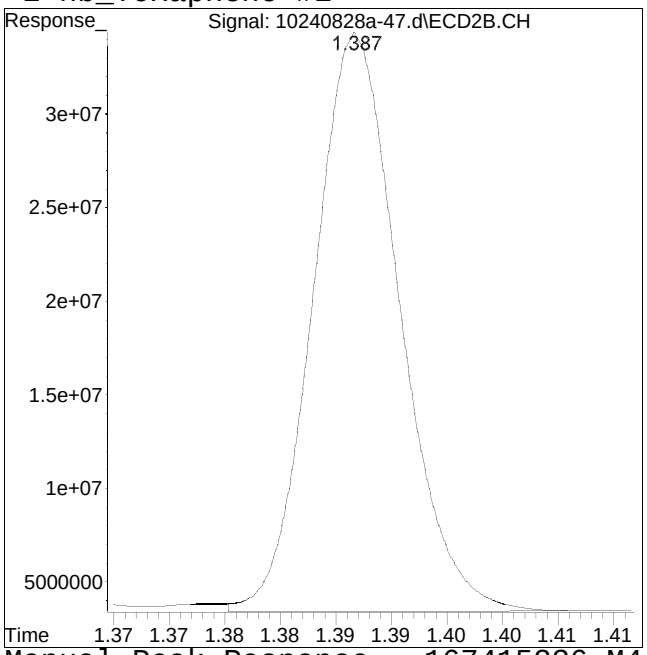
Original Peak Response = 170329321 Manual Peak Response = 167415236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-47.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:33 Instrument : Pest 10
Sample : L2447890-11,42,, re Quant Date : 8/28/2024 4:23 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 170329321 Manual Peak Response = 167415236 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-48.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:44
Operator : PEST10:emr
Sample : L2447890-12,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:06 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1)	i 1-br-2-nb_Pe	1.264	1.388	783.2E6	182.4E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	103.73%	
	Standard Area 1 : #2 = 173620500				Recovery =	105.04%	
28)	i 1-br-2-nb_Ch	1.264	1.388	783.2E6	182.4E6	25.000	25.000
33)	i 1-br-2-nb_To	1.264	1.388	783.2E6	182.4E6	25.000	25.000
	System Monitoring Compounds						
2)	s 2,4,5,6-Tetr	1.601	1.871	1224.0E6	268.8E6	31.596	33.105
	Spiked Amount 50.000	Range 30 - 150			Recovery =	63.19%	66.21%
27)	s Decachlorobi	6.230	6.959	1088.0E6	255.9E6	28.913	33.961
	Spiked Amount 50.000	Range 30 - 150			Recovery =	57.83%	67.92%
	Target Compounds						
4)	t alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	t Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-48.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:44
Operator : PEST10:emr
Sample : L2447890-12,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:06 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

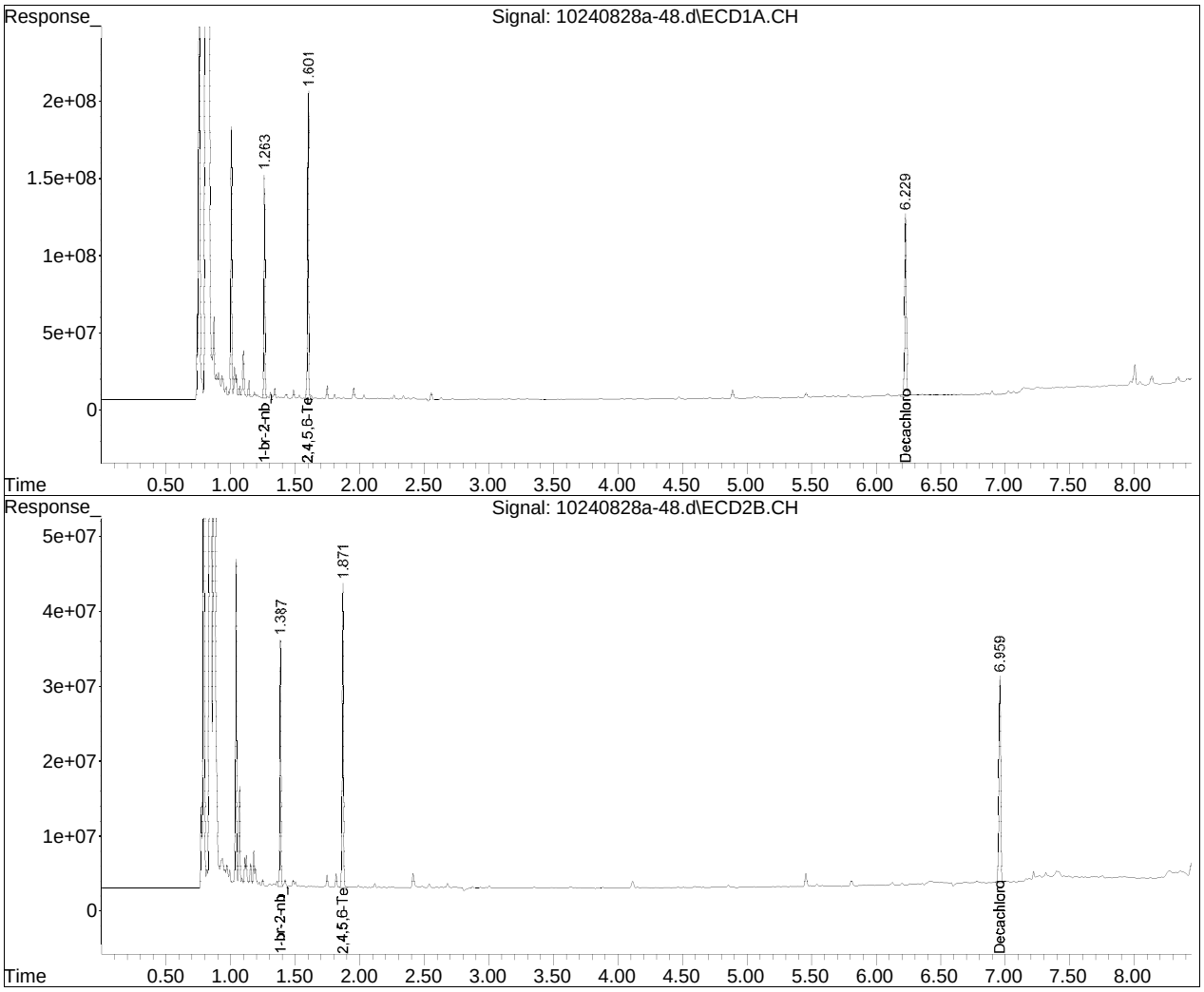
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-48.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:44
Operator : PEST10:emr
Sample : L2447890-12,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:23:06 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PEST\Pest10\2024\240828	QMethod	: pest10_2024_07_17_ugL_ic
Data File	: 10240828a-48.d	Operator	: PEST10:emr
Date Inj'd	: 8/28/2024 15:44	Instrument	: Pest 10
Sample	: L2447890-12,42,, re	Quant Date	: 8/28/2024 4:23 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-49.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:55
Operator : PEST10:emr
Sample : L2447890-13,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:24:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.387	828.2E6	184.9E6	25.000	25.000
	Standard Area 1 : #1 = 755045198				Recovery =	109.69%	
	Standard Area 1 : #2 = 173620500				Recovery =	106.48%	
28) i	1-br-2-nb_Ch	1.263	1.387	828.2E6	184.9E6	25.000	25.000
33) i	1-br-2-nb_To	1.263	1.387	828.2E6	184.9E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.870	1191.3E6	262.9E6	29.079	31.937
	Spiked Amount	50.000	Range 30 - 150		Recovery =	58.16%	63.87%
27) s	Decachlorobi	6.228	6.957	884.9E6	209.3E6	22.237M4	27.400M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	44.47%	54.80%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-49.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:55
Operator : PEST10:emr
Sample : L2447890-13,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:24:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-38.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

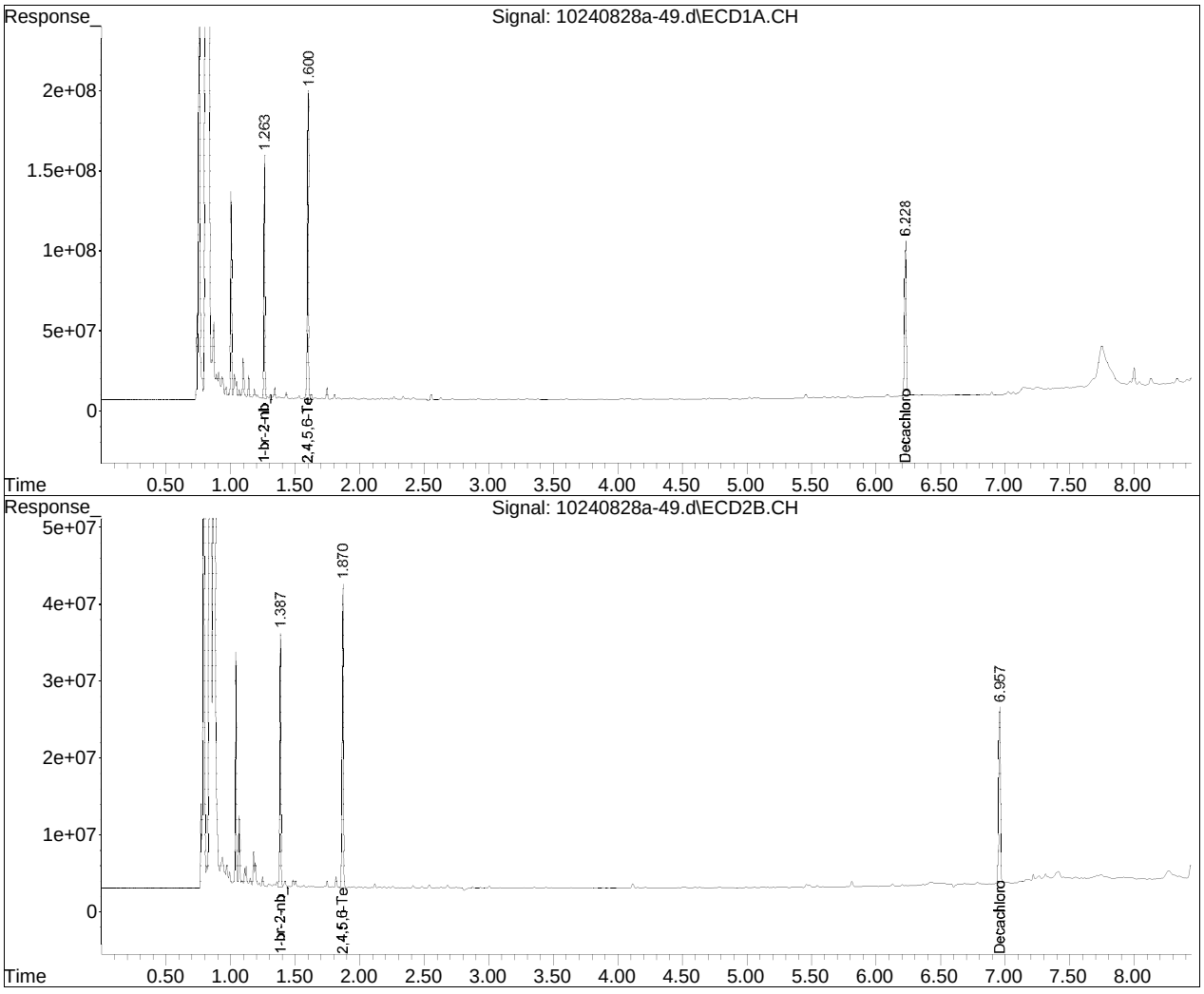
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-38.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-49.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 15:55
Operator : PEST10:emr
Sample : L2447890-13,42,, re
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 16:24:28 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

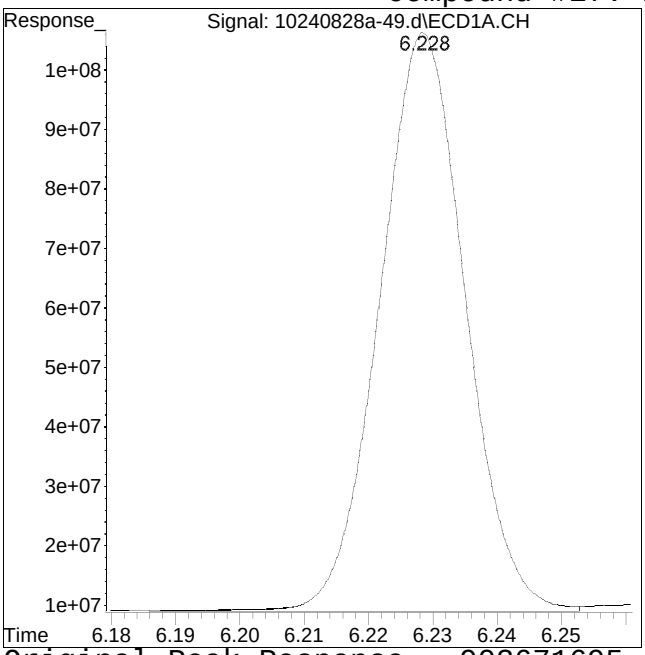
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

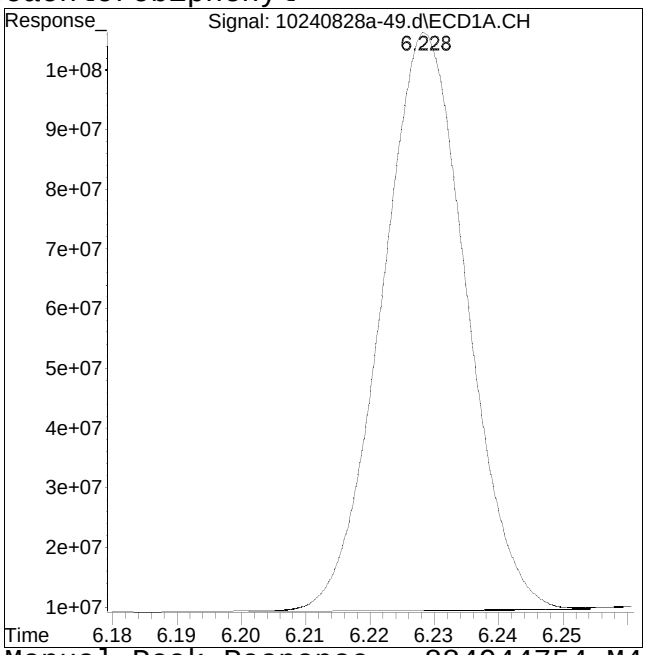


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-49.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:55 Instrument : Pest 10
Sample : L2447890-13,42,, re Quant Date : 8/28/2024 4:24 pm

Compound #27: Decachlorobiphenyl



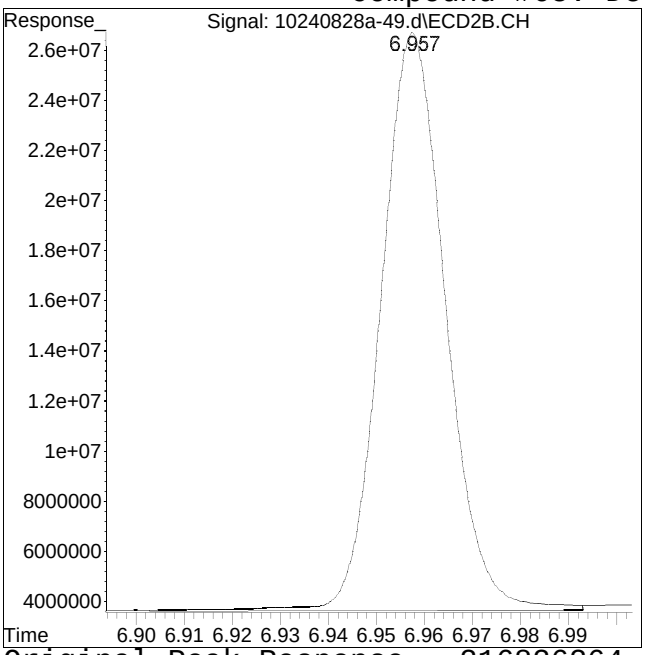


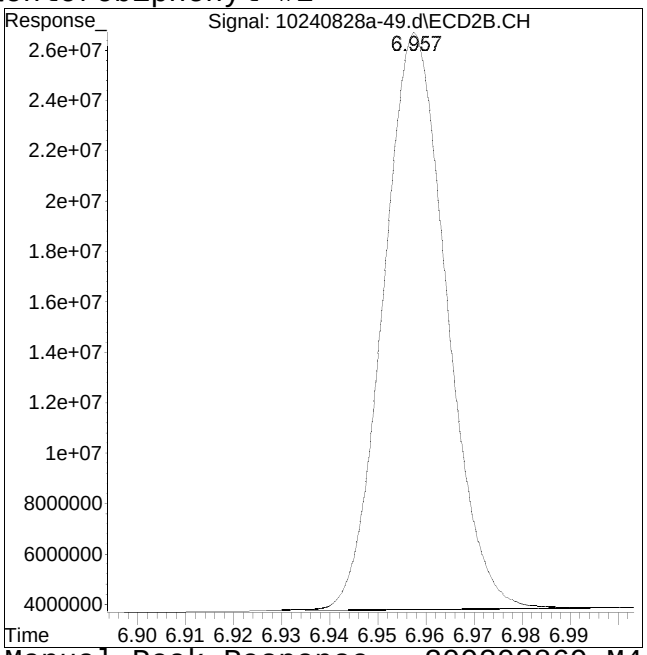
Original Peak Response = 903671695 Manual Peak Response = 884944754 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-49.d Operator : PEST10:emr
Date Inj'd : 8/28/2024 15:55 Instrument : Pest 10
Sample : L2447890-13,42,, re Quant Date : 8/28/2024 4:24 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 216826264 Manual Peak Response = 209303869 M4
M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21311**
Calibration dates	**: 07/17/24 12:09 07/19/24 11:50**		

Calibration Files

1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d

7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD	
1)	i	1-br-2-nb_Pesticides	ISTD												
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.366	1.252	1.301	1.192	1.142	1.147	1.169	1.217	1.342		1.237	6.79	
3)	t	Hexachlorobenzene	1.423	1.356	1.379	1.277	1.226	1.199	1.209	1.278	1.471		1.313	7.48	
4)	t	alpha-BHC	1.645	1.605	1.666	1.584	1.618	1.785	1.845	2.004	2.292		1.783	13.21	
5)	t	gamma-BHC (li	1.793	1.635	1.561	1.596	1.516	1.511	1.612	1.652	1.795	2.122	1.679	10.96	
6)	t	beta-BHC	0.813	0.766	0.773	0.719	0.681	0.646	0.642	0.692	0.816		0.728	9.22	
7)	t	delta-BHC	1.618	1.547	1.598	1.500	1.507	1.649	1.695	1.860	2.221		1.688	13.51	
8)	t	Heptachlor	1.625	1.598	1.615	1.522	1.483	1.545	1.519	1.608	1.787		1.589	5.63	
9)	t	Aldrin	1.518	1.476	1.502	1.411	1.393	1.481	1.467	1.593	1.789		1.514	7.81	
10)	t	Alachlor	0.271	0.264	0.259	0.238	0.207	0.185	0.177	0.183		*L		0.998	
4)															
11)	t	Chlorpyrifos	0.839	0.828	0.781	0.718	0.642	0.583	0.587	0.631		*L		0.998	
3)															
12)	t	Heptachlor Ep	1.532	1.489	1.494	1.399	1.345	1.369	1.321	1.391	1.548		1.432	5.91	
13)	t	gamma-Chlorda	1.361	1.336	1.338	1.254	1.204	1.249	1.224	1.334	1.586		1.321	8.69	
14)	t	alpha-Chlorda	1.631	1.551	1.557	1.461	1.386	1.412	1.377	1.491	1.765		1.515	8.38	
15)	t	4,4'-DDE	1.446	1.450	1.445	1.357	1.332	1.448	1.405	1.535	1.798		1.468	9.31	
16)	t	Endosulfan I	1.444	1.422	1.424	1.335	1.279	1.300	1.249	1.308	1.478		1.360	6.07	
17)	t	Dieldrin	1.441	1.439	1.442	1.349	1.307	1.382	1.339	1.433	1.646		1.420	6.96	
18)	t	Endrin	1.511	1.487	1.490	1.401	1.358	1.429	1.376	1.458	1.649		1.462	6.00	
19)	t	4,4'-DDD	1.197	1.194	1.199	1.121	1.078	1.159	1.117	1.234	1.464		1.196	9.35	
20)	t	Endosulfan II	1.371	1.373	1.363	1.274	1.214	1.239	1.181	1.251	1.426		1.299	6.58	
21)	t	4,4'-DDT	1.329	1.355	1.345	1.261	1.211	1.304	1.239	1.378	1.632		1.339	9.21	
22)	t	Endrin Aldehyde	1.142	1.149	1.137	1.055	1.010	1.028	0.966	1.023	1.166		1.075	6.86	
23)	t	Methoxychlor	0.870	0.855	0.824	0.774	0.711	0.682	0.613	0.639	0.709		0.742	12.59	
24)	t	Mirex	1.320	1.291	1.232	1.154	1.057	1.013	0.936	1.023	1.227		1.139	11.99	
25)	t	Endosulfan Su	1.325	1.333	1.323	1.234	1.180	1.191	1.121	1.194	1.374		1.253	6.99	
26)	t	Endrin Ketone	1.512	1.530	1.484	1.390	1.330	1.362	1.273	1.323	1.473		1.409	6.63	
27)	s	Decachlorobip	1.341	1.378	1.277	1.200	1.095	1.096	0.998	1.115	1.311		1.201	11.00	
28)	i	1-br-2-nb_Chlordane	ISTD												
29)	l1	chlordane-1	0.071	0.059	0.043	0.045	0.041	0.043	0.042			*L		0.999	
6)															
30)	l1	chlordane-3	0.124	0.107	0.084	0.090	0.084	0.087	0.080			*L		0.998	
4)															
31)	l1	chlordane-4	0.092	0.075	0.055	0.054	0.046	0.049	0.047			*L		0.998	
6)															

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21311**
Calibration dates	**: 07/17/24 12:09 07/19/24 11:50**		

Calibration Files

1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d

7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
32)	l1	chlordane-5	0.250	0.219	0.180	0.199	0.189	0.196	0.189				*L	0.999
6)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1	0.051	0.043		0.047	0.046	0.046					0.047	5.89
35)	l2	toxaphene-2	0.046	0.039		0.044	0.043	0.044					0.043	5.82
36)	l2	toxaphene-4	0.044	0.032		0.039	0.039	0.038					0.038	10.38
37)	l2	toxaphene-5	0.052	0.040		0.045	0.045	0.045					0.045	9.61

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21311**
Calibration dates	**: 07/17/24 12:09 07/19/24 11:50**		

Signal #2 Calibration Files

1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetra		1.211	1.174	1.107	1.094	1.074	1.076	1.096	1.081	1.106	1.113		4.26
3)	t	Hexachloroben		1.431	1.361	1.293	1.256	1.213	1.160	1.152	1.141	1.174	1.242		8.22
4)	t	alpha-BHC		1.520	1.471	1.441	1.420	1.456	1.620	1.673	1.708	1.799	1.567		8.70
5)	t	gamma-BHC (li	.568	1.486	1.442	1.380	1.362	1.377	1.476	1.527	1.541	1.622	1.478		5.96
6)	t	beta-BHC		0.821	0.783	0.735	0.719	0.684	0.640	0.637	0.635	0.667	0.702		9.55
7)	t	delta-BHC		1.475	1.453	1.383	1.355	1.365	1.510	1.556	1.611	1.719	1.492		8.17
8)	t	Heptachlor		1.613	1.548	1.458	1.417	1.377	1.433	1.420	1.441	1.474	1.465		4.99
9)	t	Aldrin		1.401	1.364	1.286	1.261	1.248	1.351	1.352	1.399	1.459	1.347		5.20
10)	t	Alachlor			0.294	0.269	0.265	0.247	0.220	0.203	0.194	0.187	*L		0.997
8)															
11)	t	Chlorpyrifos			0.942	0.860	0.807	0.746	0.681	0.631	0.612	0.616	*L		0.999
4)															
12)	t	Heptachlor Ep		1.473	1.449	1.359	1.315	1.273	1.296	1.267	1.287	1.329	1.339		5.61
13)	t	gamma-Chlorda		1.293	1.278	1.192	1.140	1.111	1.150	1.134	1.185	1.270	1.195		5.79
14)	t	alpha-Chlorda		1.472	1.446	1.360	1.339	1.278	1.313	1.276	1.326	1.412	1.358		5.23
15)	t	4,4'-DDE		1.327	1.306	1.192	1.186	1.174	1.308	1.283	1.369	1.446	1.288		7.07
16)	t	Endosulfan I		1.388	1.360	1.276	1.228	1.196	1.225	1.190	1.222	1.258	1.260		5.57
17)	t	Dieldrin		1.322	1.305	1.223	1.196	1.168	1.262	1.236	1.285	1.345	1.260		4.72
18)	t	Endrin		1.352	1.346	1.258	1.230	1.196	1.309	1.261	1.295	1.341	1.288		4.27
19)	t	4,4'-DDD		1.066	1.064	0.970	0.957	0.926	1.042	1.008	1.071	1.153	1.029		6.82
20)	t	Endosulfan II		1.299	1.273	1.182	1.154	1.106	1.156	1.104	1.126	1.173	1.175		5.88
21)	t	4,4'-DDT		1.148	1.176	1.089	1.068	1.045	1.152	1.108	1.178	1.259	1.136		5.81
22)	t	Endrin Aldehyde		1.064	1.073	0.991	0.953	0.936	0.966	0.911	0.935	0.974	0.978		5.77
23)	t	Methoxychlor		0.709	0.746	0.660	0.653	0.616	0.619	0.563	0.576	0.590	0.637		9.61
24)	t	Mirex		1.263	1.248	1.112	1.065	0.996	0.945	0.856	0.878	0.927	1.032		14.61
25)	t	Endosulfan Su		1.255	1.257	1.191	1.119	1.058	1.088	1.038	1.069	1.116	1.132		7.32
26)	t	Endrin Ketone		1.334	1.358	1.235	1.216	1.187	1.233	1.158	1.178	1.216	1.235		5.50
27)	s	Decachlorobip		1.193	1.255	1.080	1.073	0.992	0.970	0.870	0.912	0.952	1.033		12.44
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1			0.046	0.045	0.041	0.040	0.039	0.039	0.038		*L		0.999
9)															
30)	l1	chlordane-3			0.066	0.057	0.052	0.049	0.043	0.044	0.042		*L		0.998
0)															
31)	l1	chlordane-4			0.179	0.161	0.160	0.165	0.160	0.163	0.159		*L		0.999
8)															

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21311**
Calibration dates	**: 07/17/24 12:09 07/19/24 11:50**		

Signal #2 Calibration Files

1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
32)	l1	chlordane-5	0.147	0.134	0.125	0.129	0.125	0.127	0.124				*L	0.999
8)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1	0.024	0.025		0.023	0.024	0.024					0.024	2.95
35)	l2	toxaphene-2	0.040	0.037		0.034	0.036	0.035					0.036	5.56
36)	l2	toxaphene-4	0.043	0.042		0.041	0.043	0.042					0.042	1.88
37)	l2	toxaphene-5	0.052	0.042		0.038	0.039	0.038					0.042	14.20

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024
Response Via : Initial Calibration

Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.366	1.252	1.301	1.192	1.142	1.147	1.169	1.217	1.342	1.237	6.79
3)	t	Hexachloroben...		1.423	1.356	1.379	1.277	1.226	1.199	1.209	1.278	1.471	1.313	7.48
4)	t	alpha-BHC		1.645	1.605	1.666	1.584	1.618	1.785	1.845	2.004	2.292	1.783	13.21
5)	t	gamma-BHC (li...	1.793	1.635	1.561	1.596	1.516	1.511	1.612	1.652	1.795	2.122	1.679	10.96
6)	t	beta-BHC		0.813	0.766	0.773	0.719	0.681	0.646	0.642	0.692	0.816	0.728	9.22
7)	t	delta-BHC		1.618	1.547	1.598	1.500	1.507	1.649	1.695	1.860	2.221	1.688	13.51
8)	t	Heptachlor		1.625	1.598	1.615	1.522	1.483	1.545	1.519	1.608	1.787	1.589	5.63
9)	t	Aldrin		1.518	1.476	1.502	1.411	1.393	1.481	1.467	1.593	1.789	1.514	7.81
10)	t	Alachlor			0.271	0.264	0.259	0.238	0.207	0.185	0.177	0.183	*L	0.998
4														
11)	t	Chlorpyrifos			0.839	0.828	0.781	0.718	0.642	0.583	0.587	0.631	*L	0.998
3														
12)	t	Heptachlor Ep...		1.532	1.489	1.494	1.399	1.345	1.369	1.321	1.391	1.548	1.432	5.91
13)	t	gamma-Chlorda...		1.361	1.336	1.338	1.254	1.204	1.249	1.224	1.334	1.586	1.321	8.69
14)	t	alpha-Chlorda...		1.631	1.551	1.557	1.461	1.386	1.412	1.377	1.491	1.765	1.515	8.38
15)	t	4,4'-DDE		1.446	1.450	1.445	1.357	1.332	1.448	1.405	1.535	1.798	1.468	9.31
16)	t	Endosulfan I		1.444	1.422	1.424	1.335	1.279	1.300	1.249	1.308	1.478	1.360	6.07

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024
Response Via : Initial Calibration

Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)	t	Dieldrin		1.441	1.439	1.442	1.349	1.307	1.382	1.339	1.433	1.646	1.420	6.96
18)	t	Endrin		1.511	1.487	1.490	1.401	1.358	1.429	1.376	1.458	1.649	1.462	6.00
19)	t	4,4'-DDD		1.197	1.194	1.199	1.121	1.078	1.159	1.117	1.234	1.464	1.196	9.35
20)	t	Endosulfan II		1.371	1.373	1.363	1.274	1.214	1.239	1.181	1.251	1.426	1.299	6.58
21)	t	4,4'-DDT		1.329	1.355	1.345	1.261	1.211	1.304	1.239	1.378	1.632	1.339	9.21
22)	t	Endrin Aldehyde		1.142	1.149	1.137	1.055	1.010	1.028	0.966	1.023	1.166	1.075	6.86
23)	t	Methoxychlor		0.870	0.855	0.824	0.774	0.711	0.682	0.613	0.639	0.709	0.742	12.59
24)	t	Mirex		1.320	1.291	1.232	1.154	1.057	1.013	0.936	1.023	1.227	1.139	11.99
25)	t	Endosulfan Su...		1.325	1.333	1.323	1.234	1.180	1.191	1.121	1.194	1.374	1.253	6.99
26)	t	Endrin Ketone		1.512	1.530	1.484	1.390	1.330	1.362	1.273	1.323	1.473	1.409	6.63
27)	s	Decachlorobip...		1.341	1.378	1.277	1.200	1.095	1.096	0.998	1.115	1.311	1.201	11.00
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1		0.071	0.059	0.043	0.045	0.041	0.043	0.042			*L	0.9996
30)	l1	chlordane-3		0.124	0.107	0.084	0.090	0.084	0.087	0.080			*L	0.9984
31)	l1	chlordane-4		0.092	0.075	0.055	0.054	0.046	0.049	0.047			*L	0.9986
32)	l1	chlordane-5		0.250	0.219	0.180	0.199	0.189	0.196	0.189			*L	0.9996

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024
Response Via : Initial Calibration

Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.051	0.043		0.047	0.046	0.046			0.047	5.89
35)	l2	toxaphene-2			0.046	0.039		0.044	0.043	0.044			0.043	5.82
36)	l2	toxaphene-4			0.044	0.032		0.039	0.039	0.038			0.038	10.38
37)	l2	toxaphene-5			0.052	0.040		0.045	0.045	0.045			0.045	9.61

Signal #2 Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.211	1.174	1.107	1.094	1.074	1.076	1.096	1.081	1.106	1.113	4.26
3)	t	Hexachloroben...			1.431	1.361	1.293	1.256	1.213	1.160	1.152	1.141	1.174	1.242	8.22
4)	t	alpha-BHC			1.520	1.471	1.441	1.420	1.456	1.620	1.673	1.708	1.799	1.567	8.70
5)	t	gamma-BHC (li...		1.568	1.486	1.442	1.380	1.362	1.377	1.476	1.527	1.541	1.622	1.478	5.96
6)	t	beta-BHC			0.821	0.783	0.735	0.719	0.684	0.640	0.637	0.635	0.667	0.702	9.55
7)	t	delta-BHC			1.475	1.453	1.383	1.355	1.365	1.510	1.556	1.611	1.719	1.492	8.17
8)	t	Heptachlor			1.613	1.548	1.458	1.417	1.377	1.433	1.420	1.441	1.474	1.465	4.99
9)	t	Aldrin			1.401	1.364	1.286	1.261	1.248	1.351	1.352	1.399	1.459	1.347	5.20

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024
Response Via : Initial Calibration

Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	t	Alachlor			0.294	0.269	0.265	0.247	0.220	0.203	0.194	0.187	*L	0.997
8														
11)	t	Chlorpyrifos			0.942	0.860	0.807	0.746	0.681	0.631	0.612	0.616	*L	0.999
4														
12)	t	Heptachlor Ep...	1.473	1.449	1.359	1.315	1.273	1.296	1.267	1.287	1.329		1.339	5.61
13)	t	gamma-Chlorda...	1.293	1.278	1.192	1.140	1.111	1.150	1.134	1.185	1.270		1.195	5.79
14)	t	alpha-Chlorda...	1.472	1.446	1.360	1.339	1.278	1.313	1.276	1.326	1.412		1.358	5.23
15)	t	4,4'-DDE	1.327	1.306	1.192	1.186	1.174	1.308	1.283	1.369	1.446		1.288	7.07
16)	t	Endosulfan I	1.388	1.360	1.276	1.228	1.196	1.225	1.190	1.222	1.258		1.260	5.57
17)	t	Dieldrin	1.322	1.305	1.223	1.196	1.168	1.262	1.236	1.285	1.345		1.260	4.72
18)	t	Endrin	1.352	1.346	1.258	1.230	1.196	1.309	1.261	1.295	1.341		1.288	4.27
19)	t	4,4'-DDD	1.066	1.064	0.970	0.957	0.926	1.042	1.008	1.071	1.153		1.029	6.82
20)	t	Endosulfan II	1.299	1.273	1.182	1.154	1.106	1.156	1.104	1.126	1.173		1.175	5.88
21)	t	4,4'-DDT	1.148	1.176	1.089	1.068	1.045	1.152	1.108	1.178	1.259		1.136	5.81
22)	t	Endrin Aldehyde	1.064	1.073	0.991	0.953	0.936	0.966	0.911	0.935	0.974		0.978	5.77
23)	t	Methoxychlor	0.709	0.746	0.660	0.653	0.616	0.619	0.563	0.576	0.590		0.637	9.61
24)	t	Mirex	1.263	1.248	1.112	1.065	0.996	0.945	0.856	0.878	0.927		1.032	14.61
25)	t	Endosulfan Su...	1.255	1.257	1.191	1.119	1.058	1.088	1.038	1.069	1.116		1.132	7.32

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024
Response Via : Initial Calibration

Calibration Files
1 =10240717i-03.d 2 =10240717i-04.d 3 =10240717i-30.d 4 =10240717i-31.d 5 =10240717i-16.d
7 =10240717i-32.d 8 =10240717i-33.d 9 =10240717i-34.d 10 =10240717i-20.d 11 =10240717i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
26)	t	Endrin Ketone	1.334	1.358	1.235	1.216	1.187	1.233	1.158	1.178	1.216		1.235		5.50
27)	s	Decachlorobip...	1.193	1.255	1.080	1.073	0.992	0.970	0.870	0.912	0.952		1.033		12.44
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1	0.046	0.045	0.041	0.040	0.039	0.039	0.038				*L		0.999
9															
30)	l1	chlordane-3	0.066	0.057	0.052	0.049	0.043	0.044	0.042				*L		0.998
0															
31)	l1	chlordane-4	0.179	0.161	0.160	0.165	0.160	0.163	0.159				*L		0.999
8															
32)	l1	chlordane-5	0.147	0.134	0.125	0.129	0.125	0.127	0.124				*L		0.999
8															
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l2	toxaphene-1	0.024	0.025		0.023	0.024	0.024					0.024		2.95
35)	l2	toxaphene-2	0.040	0.037		0.034	0.036	0.035					0.036		5.56
36)	l2	toxaphene-4	0.043	0.042		0.041	0.043	0.042					0.042		1.88
37)	l2	toxaphene-5	0.052	0.042		0.038	0.039	0.038					0.042		14.20

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 11:58 am
Operator : PEST10:peg
Sample : pem10240717i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1949071,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:41:51 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:11:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.319	1.434	526.0E6	120.4E6	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.670	4.588	2911433	672156	0.094	0.108M4
18) t	Endrin	4.227	5.034	1335.7E6	278.2E6	43.415M4	44.881M4
19) t	4,4'-DDD	4.337	5.150	4429134	1239644	0.176	0.250
21) t	4,4'-DDT	4.628	5.423	2526.3E6	499.6E6	89.641	91.365
22) t	Endrin Aldeh D	4.887	5.522	956798	341711	0.042	0.073M4
26) t	Endrin Keton	5.504	6.157	11676437	2516153	0.394	0.423M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 11:58 am
Operator : PEST10:peg
Sample : pem10240717i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1949071,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:41:51 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:11:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

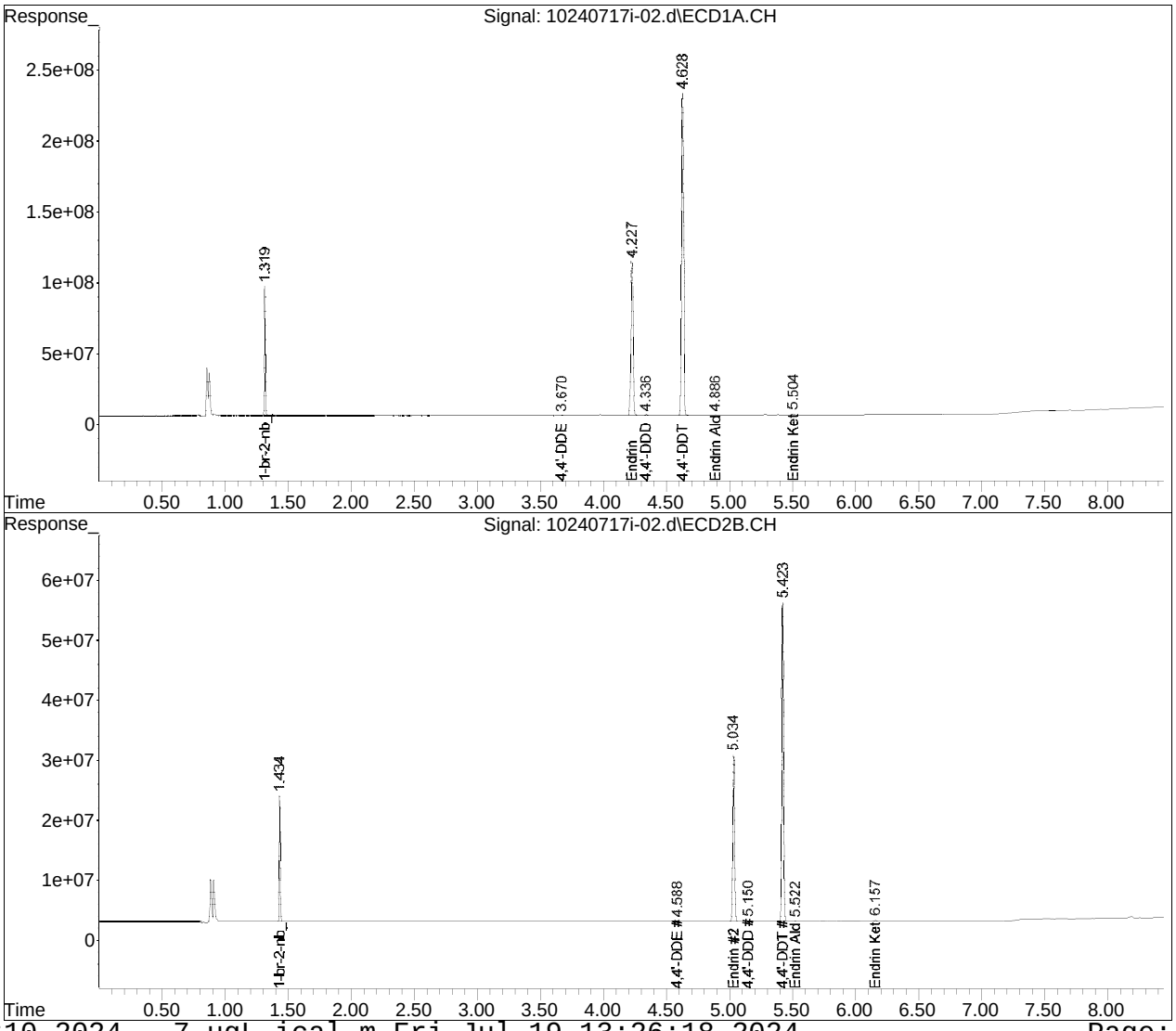
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 11:58 am
Operator : PEST10:peg
Sample : pem10240717i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG1949071,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:41:51 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:11:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

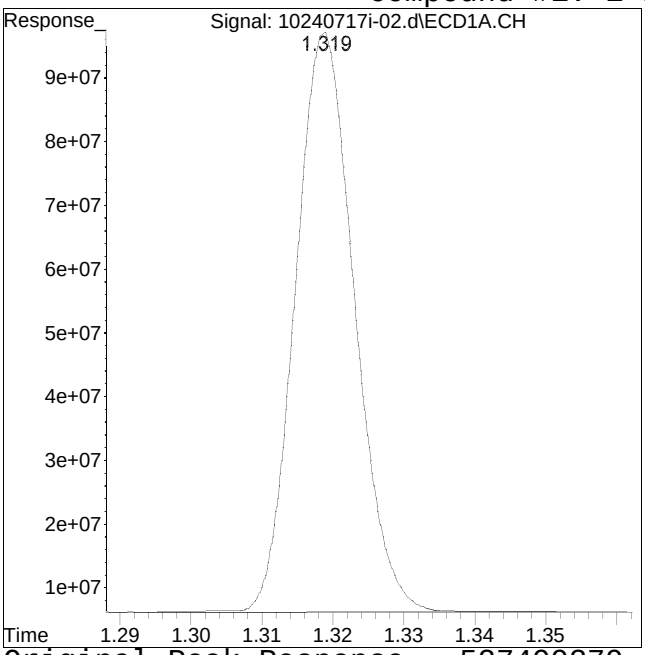
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

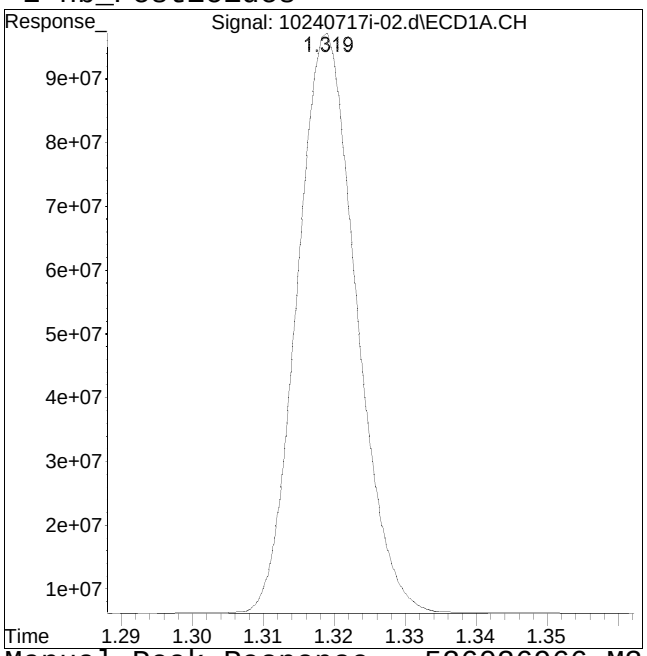


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #1: 1-br-2-nb_Pesticides



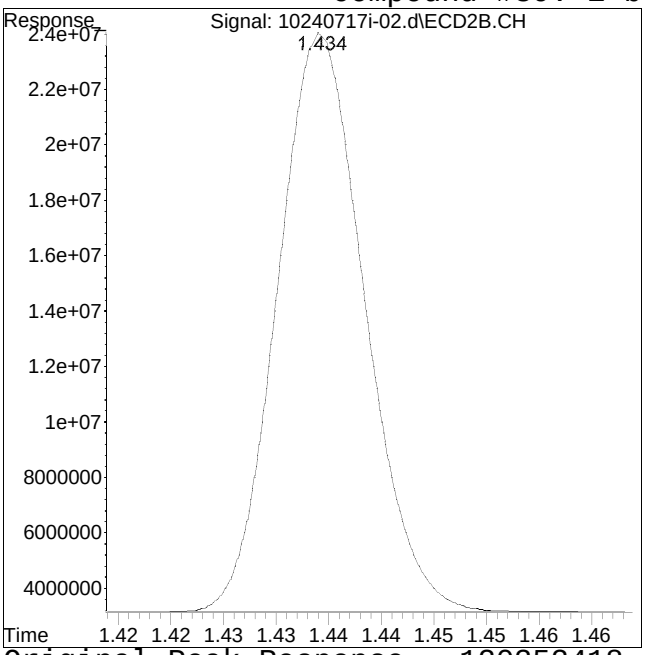


Original Peak Response = 527499379 Manual Peak Response = 526026966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

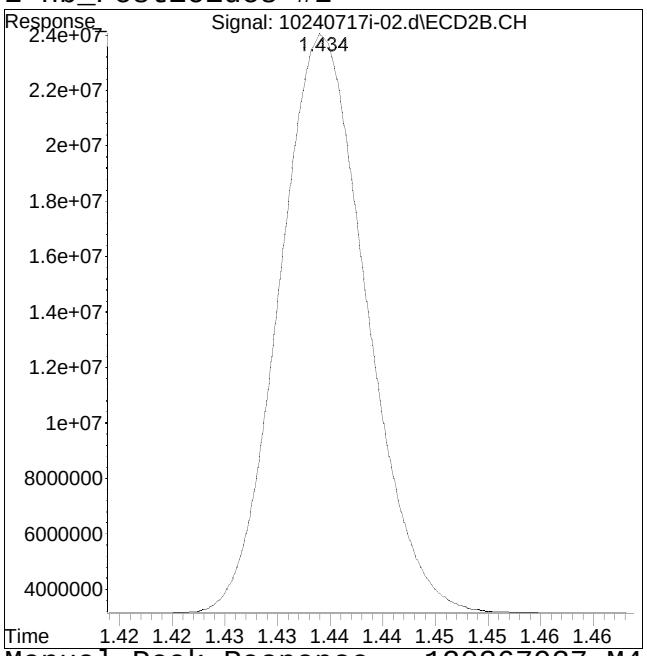
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 120352418



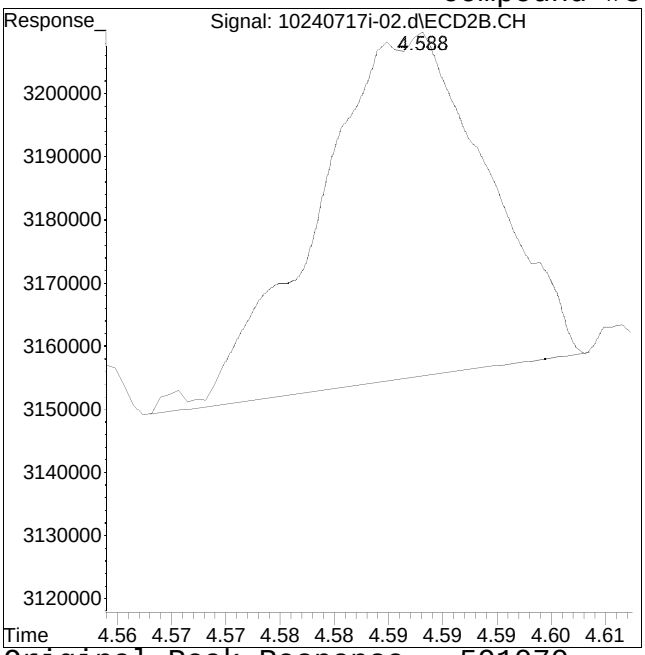
Manual Peak Response = 120367937 M4

M4 = Poor automated baseline construction.

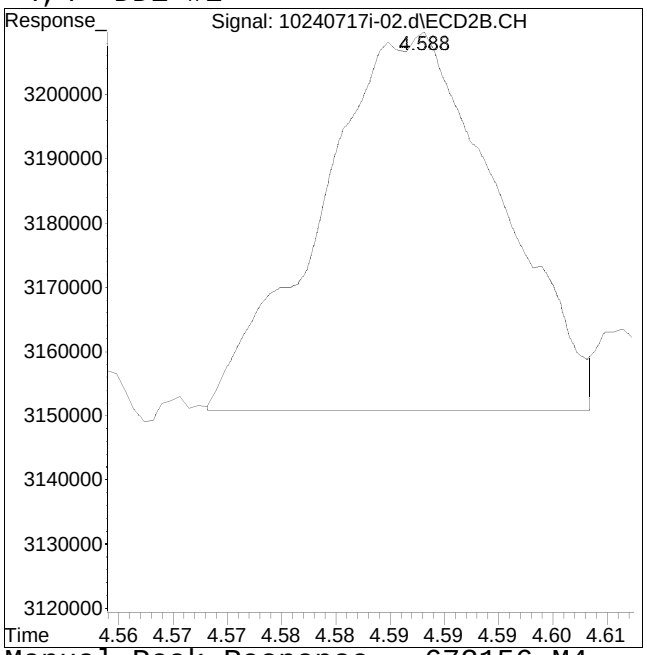
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 591070



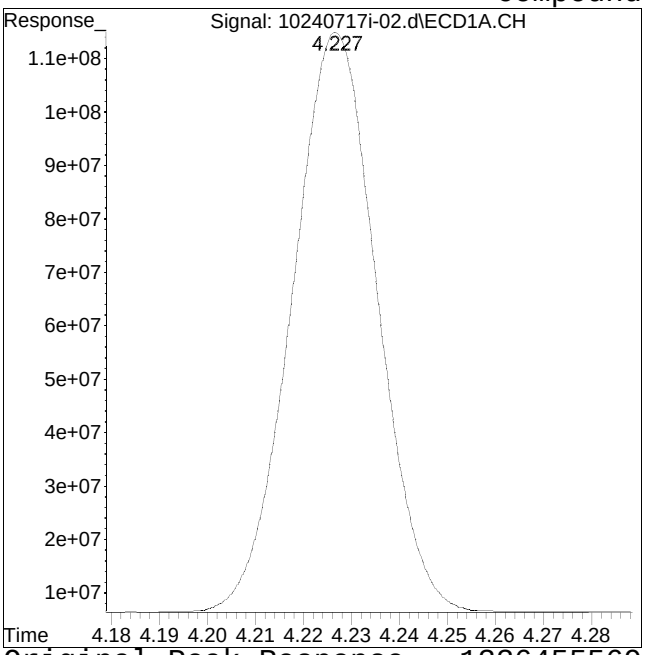
Manual Peak Response = 672156 M4

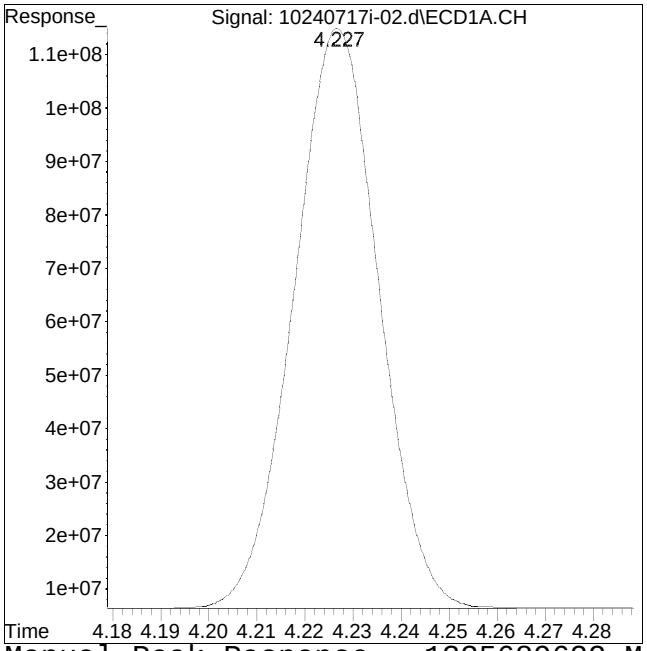
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #18: Endrin



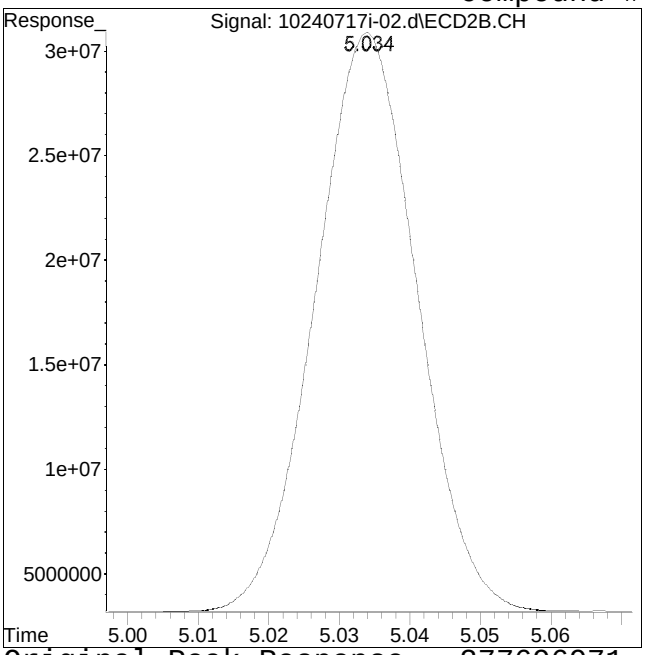


Original Peak Response = 1336455569 Manual Peak Response = 1335689622 M4
M4 = Poor automated baseline construction.

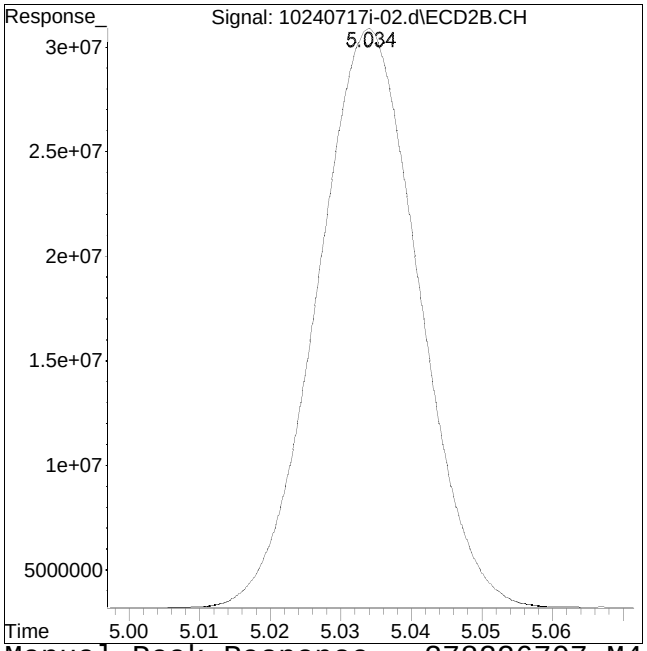
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #56: Endrin #2



Original Peak Response = 277696971



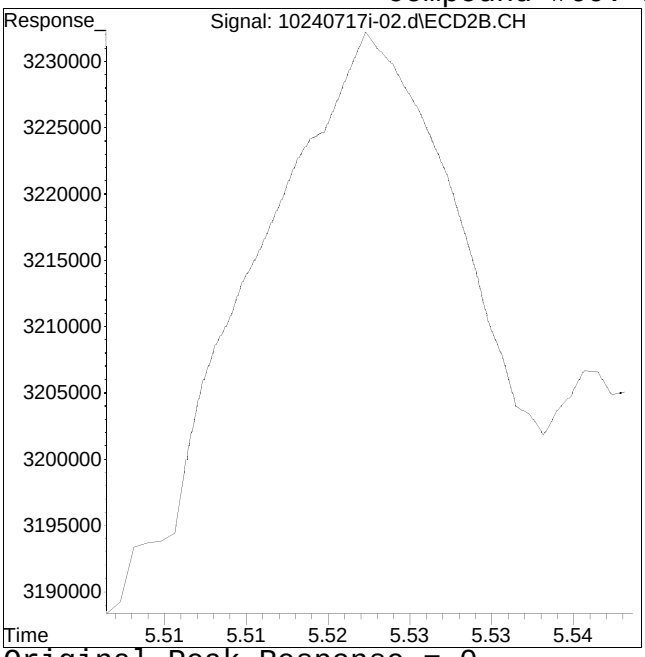
Manual Peak Response = 278226707 M4

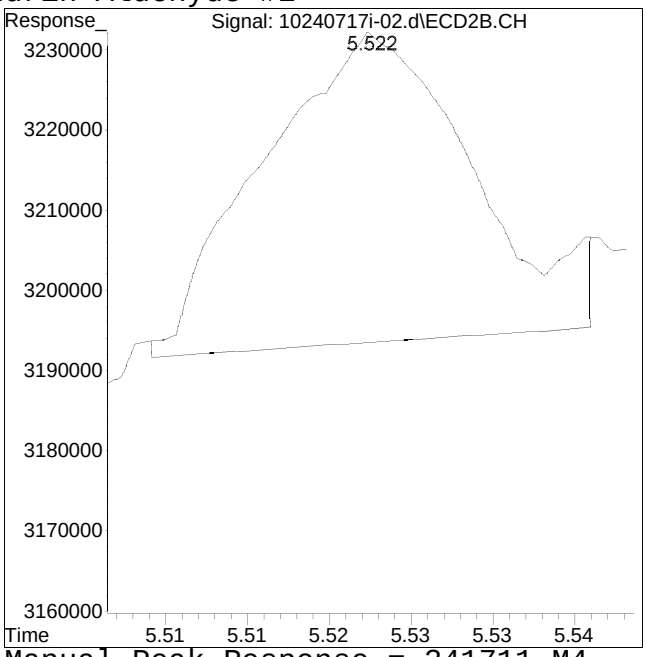
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #60: Endrin Aldehyde #2



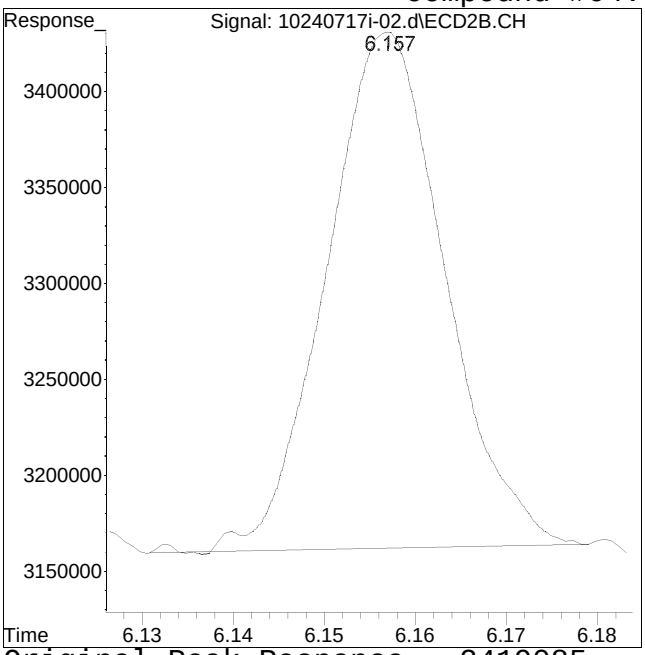


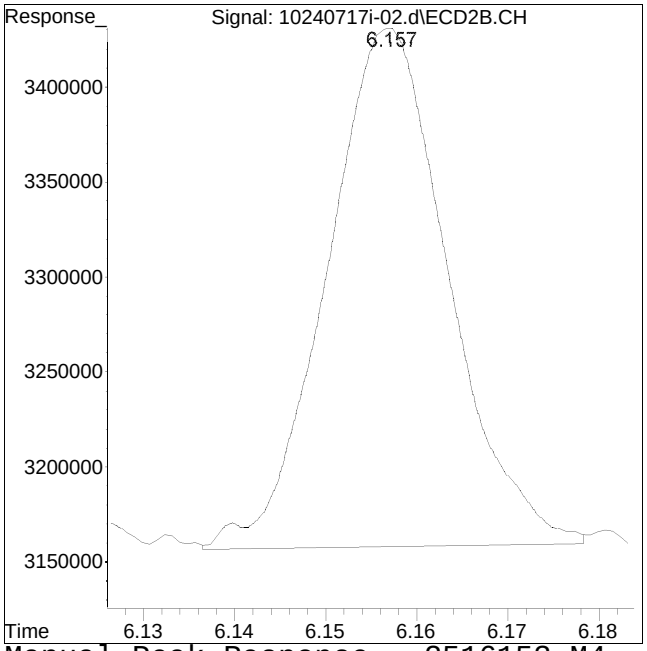
Original Peak Response = 0 Manual Peak Response = 341711 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-02.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 11:58 am Instrument : Pest 10
Sample : pem10240717i-01,42e,,pp 11Quant Date : 7/18/2024 12:41 pm

Compound #64: Endrin Ketone #2





Original Peak Response = 2419085 Manual Peak Response = 2516153 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:09 pm
Operator : PEST10:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 09:37:29 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 09:37:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.318	1.434	478.0E6	117.0E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	2.177	2.647	17137941	3669852	0.586M4	0.596M4
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:09 pm
Operator : PEST10:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 09:37:29 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 09:37:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

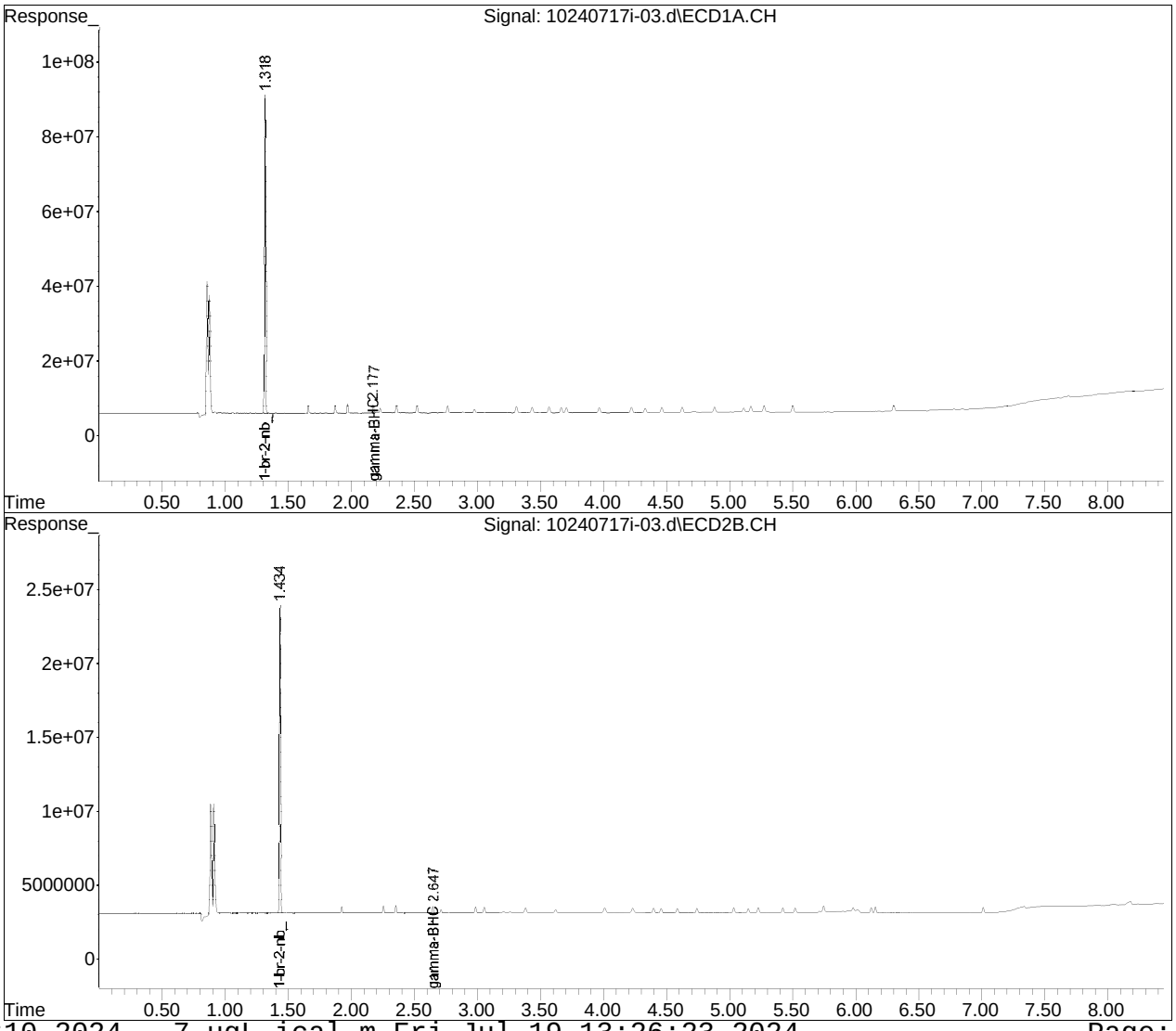
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:09 pm
Operator : PEST10:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 09:37:29 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 09:37:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

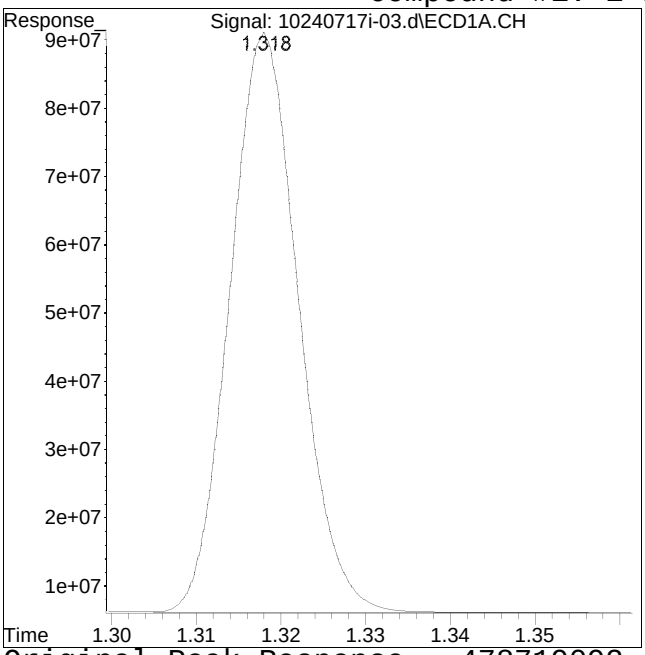
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



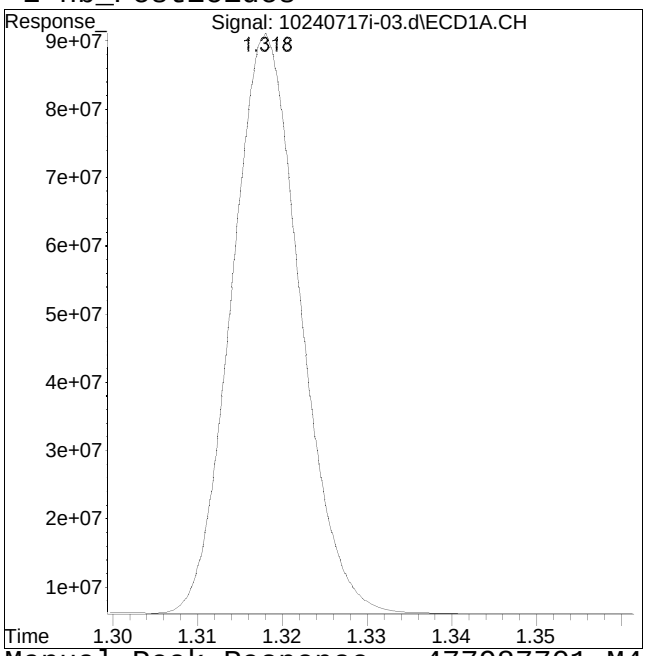
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-03.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:09 pm Instrument : Pest 10
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/18/2024 9:37 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 478719092

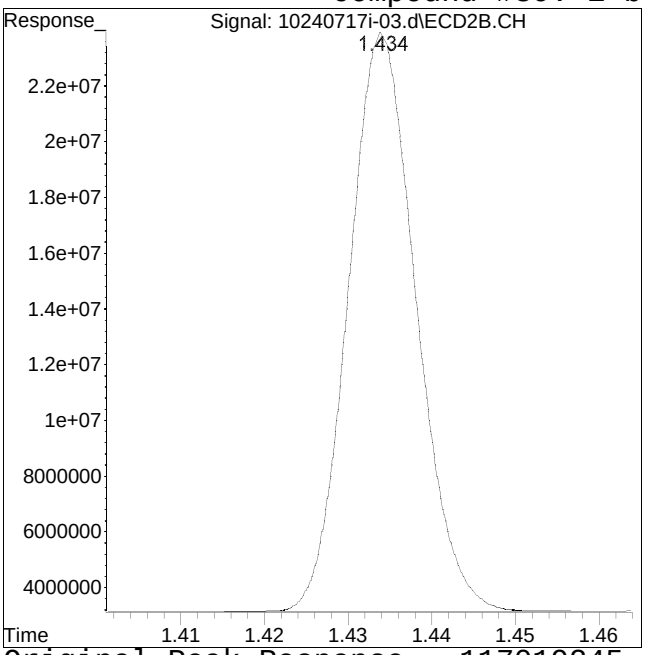


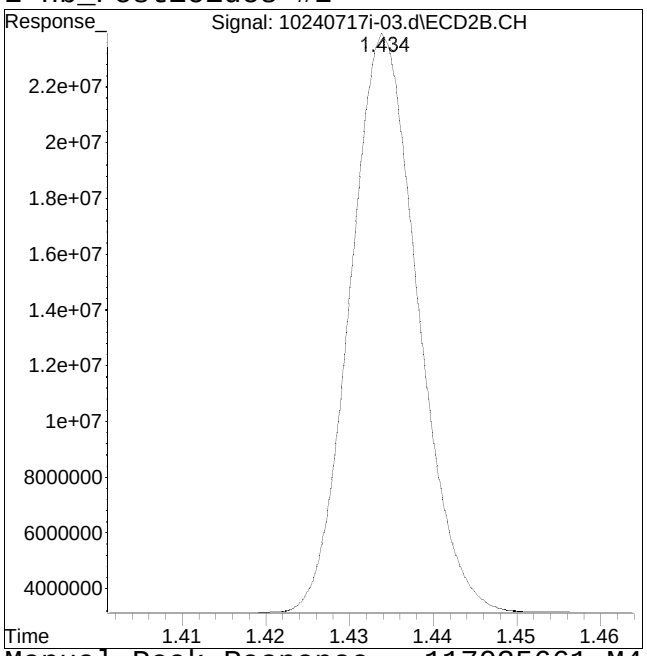
Manual Peak Response = 477987701 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-03.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:09 pm Instrument : Pest 10
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/18/2024 9:37 am

Compound #39: 1-br-2-nb_Pesticides #2



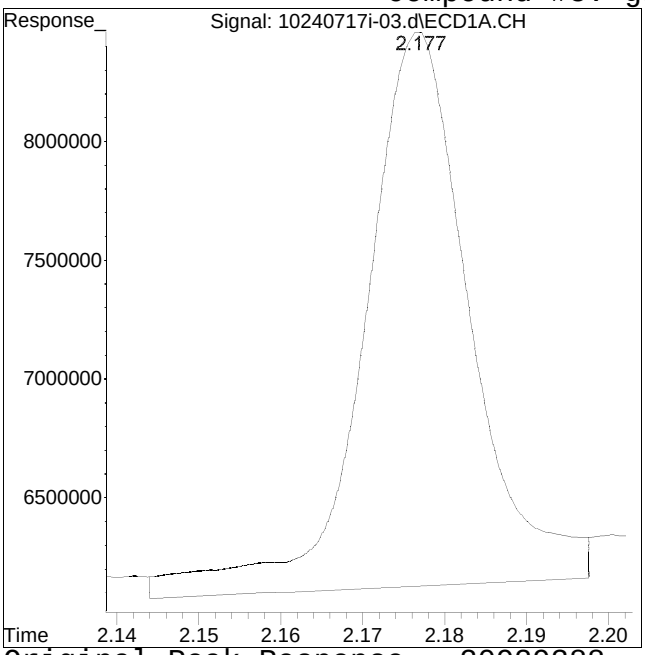


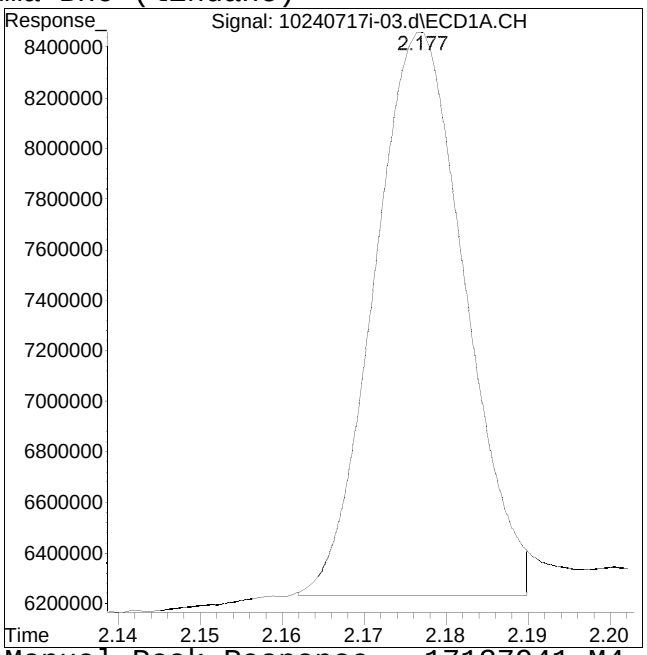
Original Peak Response = 117019245 Manual Peak Response = 117035661 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-03.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:09 pm Instrument : Pest 10
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/18/2024 9:37 am

Compound #5: gamma-BHC (lindane)



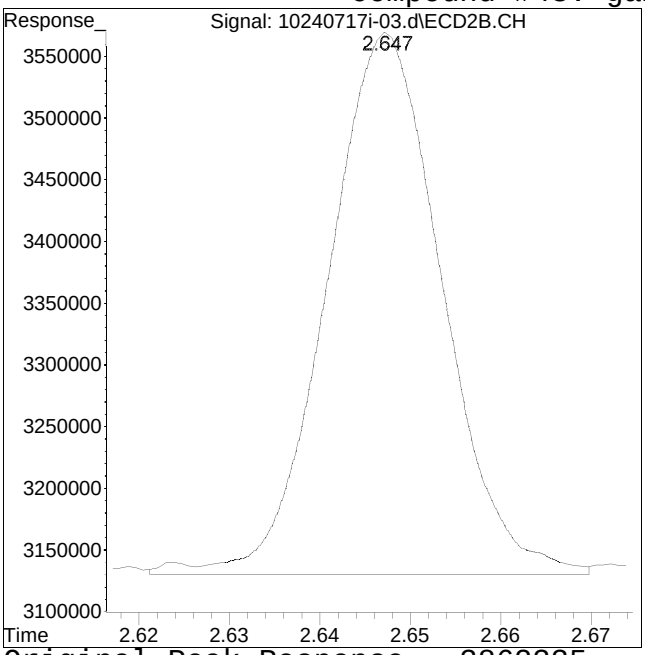


Original Peak Response = 20929388 Manual Peak Response = 17137941 M4
M4 = Poor automated baseline construction.

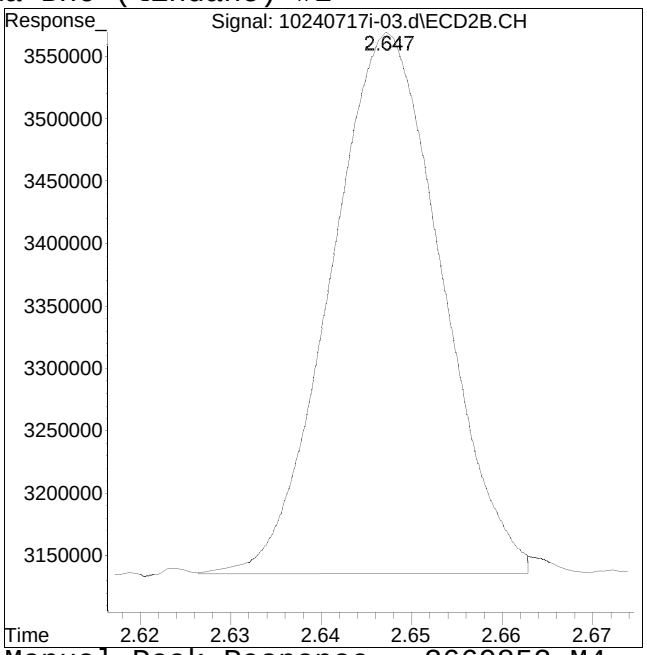
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-03.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:09 pm Instrument : Pest 10
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/18/2024 9:37 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 3862335



Manual Peak Response = 3669852 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:20 pm
Operator : PEST10:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:50:10 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:50:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.318	1.435	516.3E6	121.5E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.662	1.926	28218902	5885028	1.205M4	1.198M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.41%#	2.40%#
27)	s	Decachlorobi	6.300	7.010	27692882	5799172	1.214M4	1.267M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.43%#	2.53%#
		Target Compounds						
3)	t	Hexachlorobe	1.876	2.256	29391327	6956143	1.181M4	1.265M4
4)	t	alpha-BHC	1.974	2.354	33980454	7386190	1.015M4	1.074M4
5)	t	gamma-BHC (l	2.177	2.648	33772644	7221674	1.053M4	1.096M4
6)	t	beta-BHC	2.233	2.713	16782712	3987949	1.213M4	1.279M4
7)	t	delta-BHC	2.361	2.987	33425284	7168668	1.049M4	1.090M4
8)	t	Heptachlor	2.524	3.056	33558276	7840172	1.123M4	1.212M4
9)	t	Aldrin	2.766	3.383	31342084	6808707	1.100M4	1.147M4
10)	t	Alachlor	2.887	3.260	5636568	1335120	1.315M4	1.266M4
11)	t	Chlorpyrifos	2.979	3.621	17987751	4719253	1.324	1.390M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:20 pm
Operator : PEST10:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:50:10 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:50:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.311	4.011	31642721	7157211	1.174M4	1.210
13)	t	gamma-Chlord	3.435	4.233	28113243	6285761	1.126M4	1.187
14)	t	alpha-Chlord	3.570	4.398	33693521	7155511	1.175M4	1.191M4
15)	t	4,4'-DDE	3.666	4.586	29854299	6449324	1.081M4	1.136M4
16)	t	Endosulfan I	3.707	4.458	29832756	6744665	1.165M4	1.212M4
17)	t	Dieldrin	3.967	4.742	29767497	6424599	1.114	1.156M4
18)	t	Endrin	4.223	5.033	31199477	6572425	1.135M4	1.160M4
19)	t	4,4'-DDD	4.331	5.149	24722220	5179953	1.095M4	1.141M4
20)	t	Endosulfan I	4.462	5.227	28315390	6313348	1.157M4	1.218M3
21)	t	4,4'-DDT	4.624	5.422	27456287	5577906	1.087	1.115M4
22)	t	Endrin Aldeh	4.880	5.520	23578764	5170214	1.165M4	1.201M4
23)	t	Methoxychlor	5.111	5.980	17961758	3445165	1.282	1.227M4
24)	t	Mirex	5.168	6.123	27263204	6139766	1.258M4	1.339
25)	t	Endosulfan S	5.273	5.746	27363469	6098568	1.160M4	1.216M4
26)	t	Endrin Keton	5.500	6.156	31229054	6482351	1.180	1.194M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:20 pm
Operator : PEST10:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:50:10 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:50:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

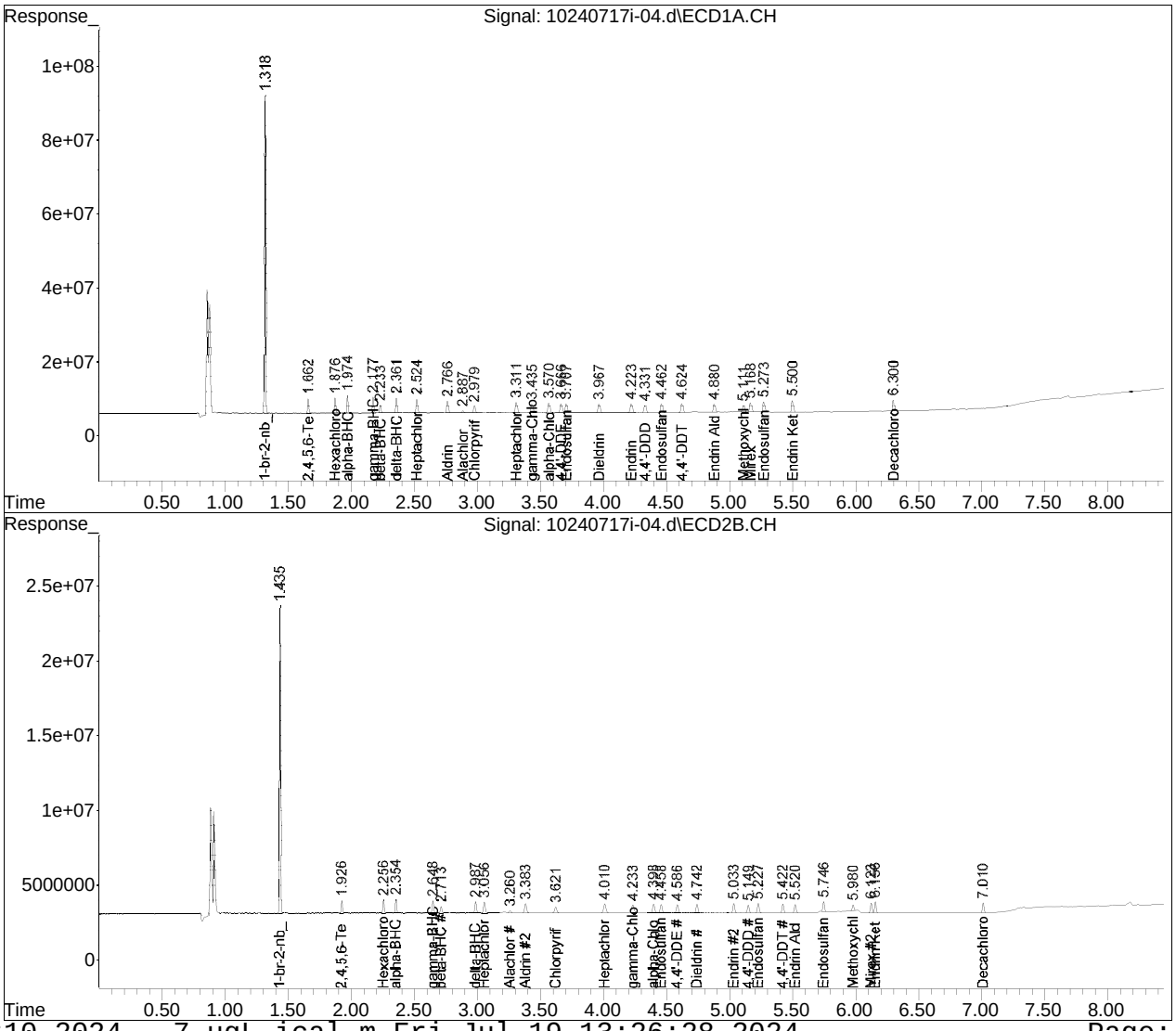
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:20 pm
Operator : PEST10:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:50:10 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:50:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

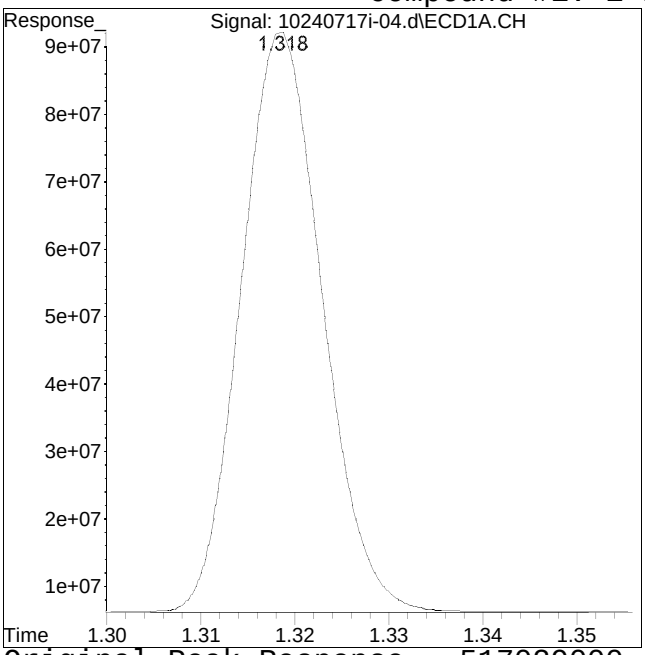
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

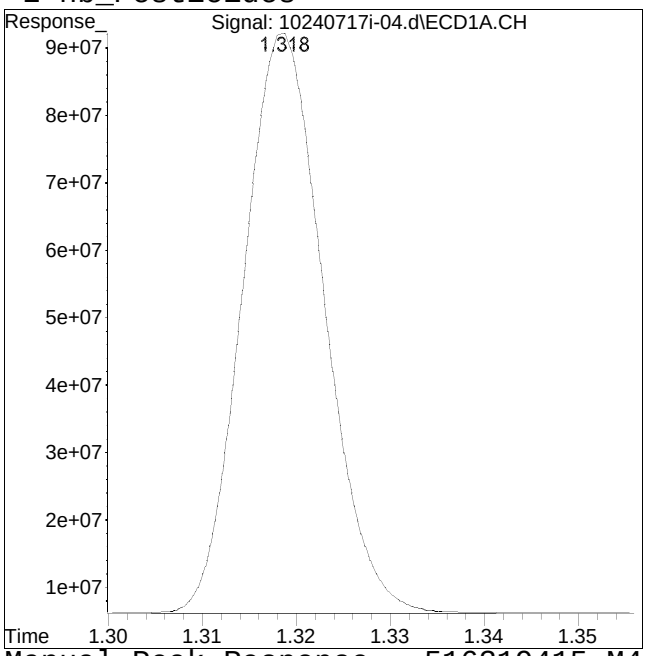


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #1: 1-br-2-nb_Pesticides



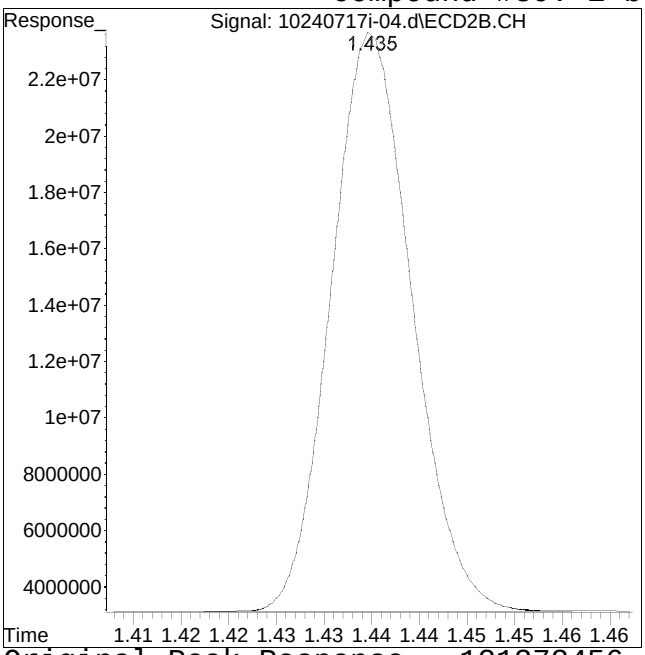


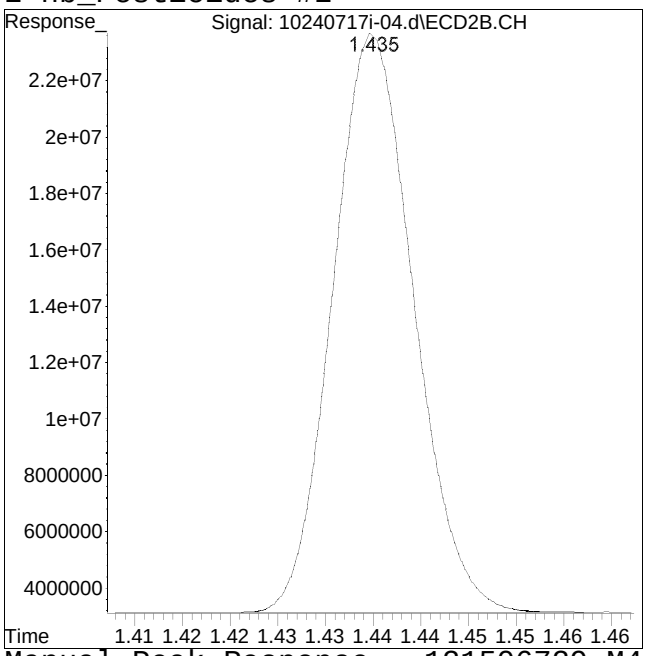
Original Peak Response = 517029000 Manual Peak Response = 516319415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #39: 1-br-2-nb_Pesticides #2



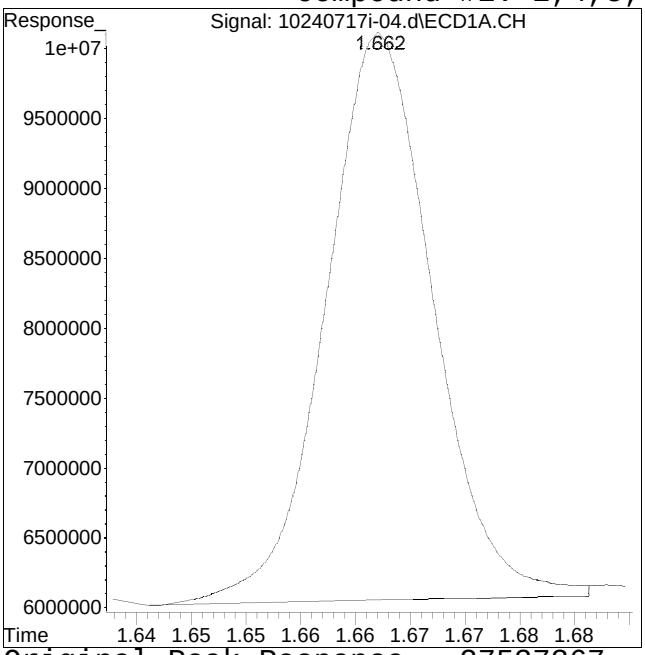


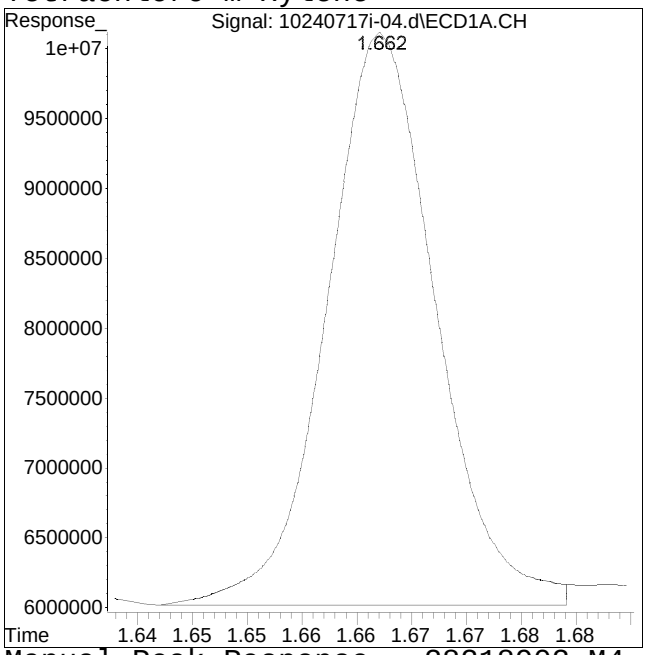
Original Peak Response = 121372456 Manual Peak Response = 121506729 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



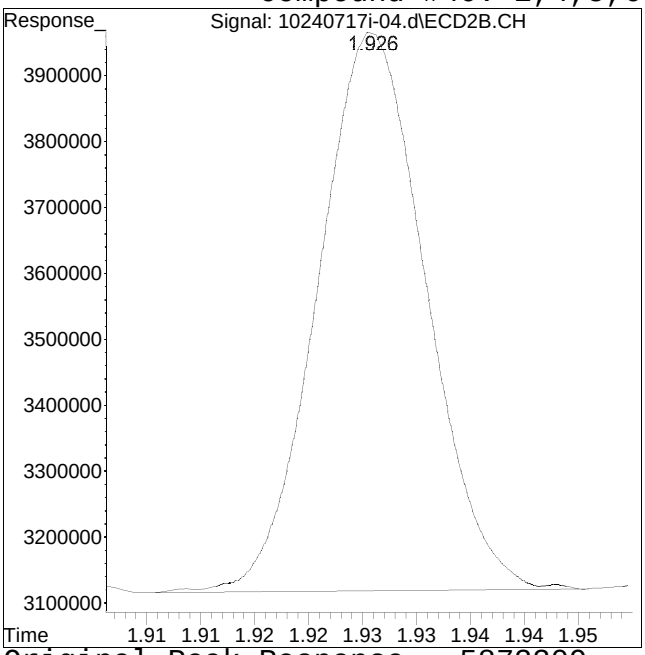


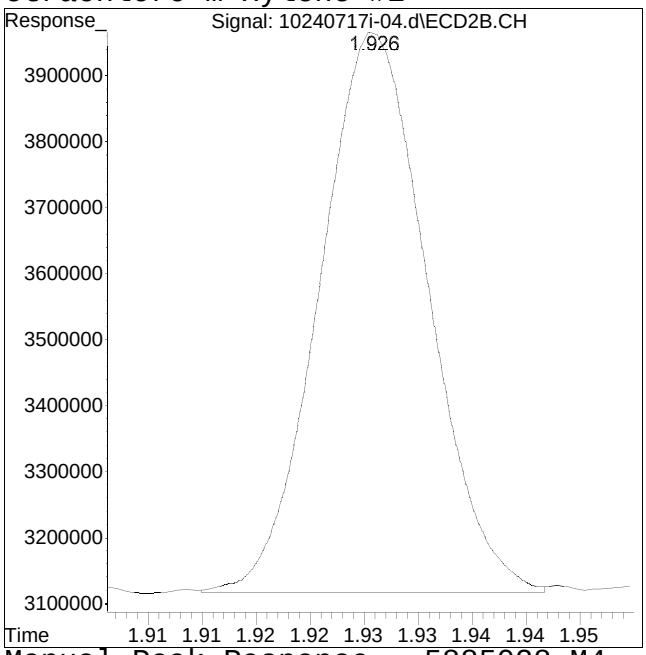
Original Peak Response = 27537367 Manual Peak Response = 28218902 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



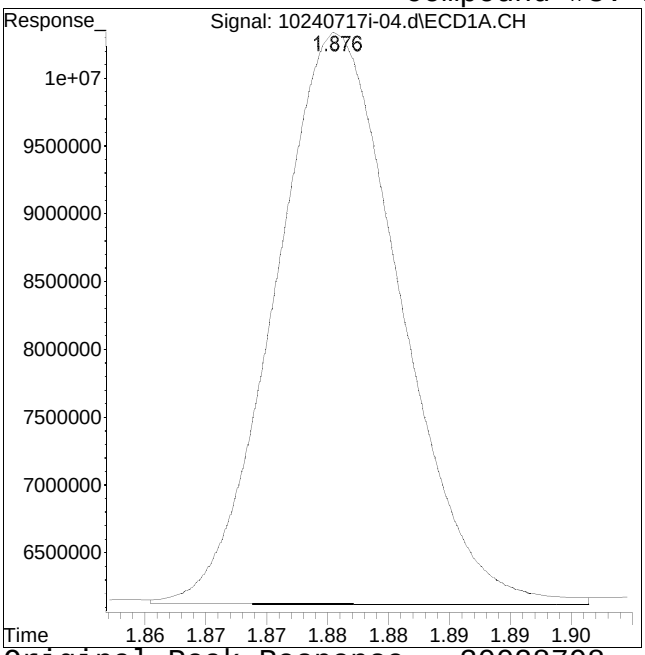


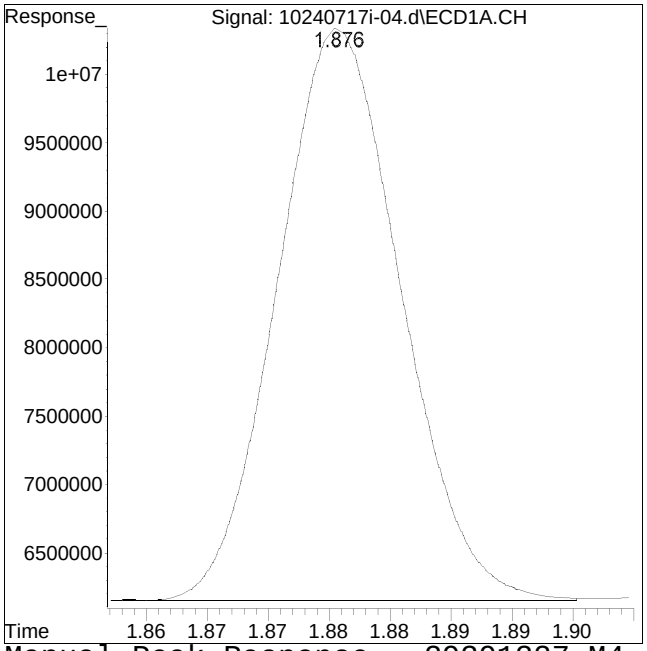
Original Peak Response = 5873309 Manual Peak Response = 5885028 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #3: Hexachlorobenzene



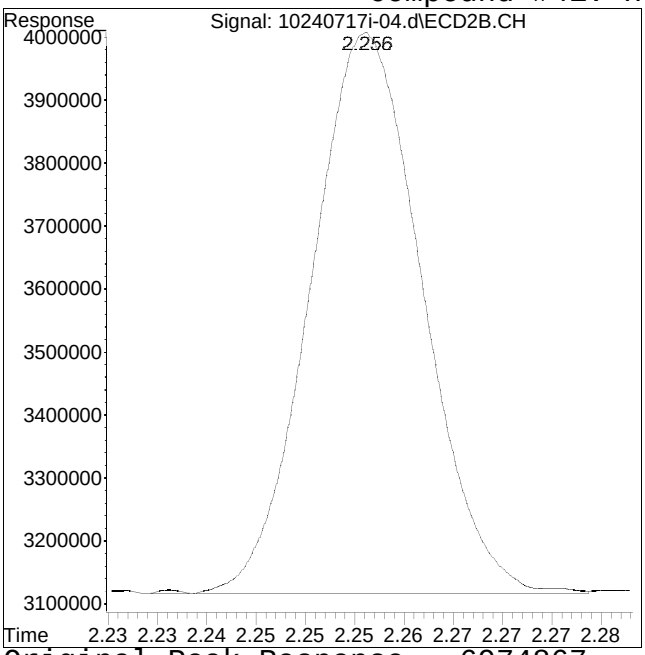


Original Peak Response = 30028798 Manual Peak Response = 29391327 M4
M4 = Poor automated baseline construction.

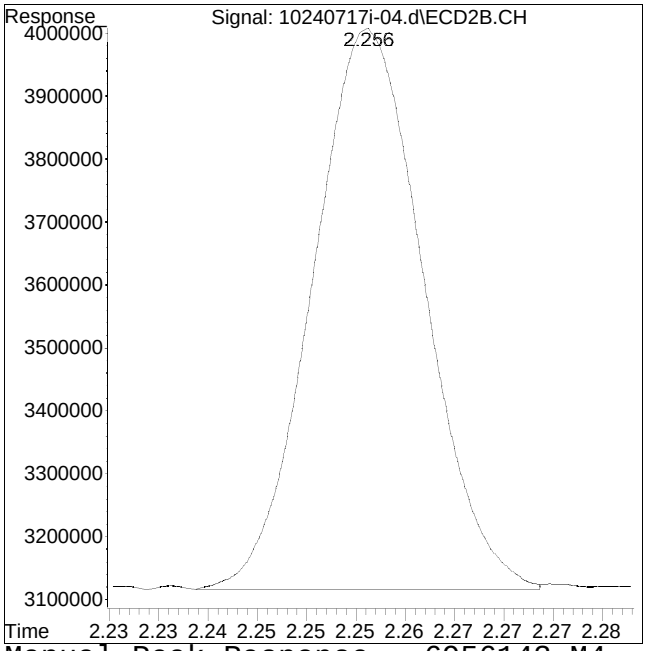
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 6974867



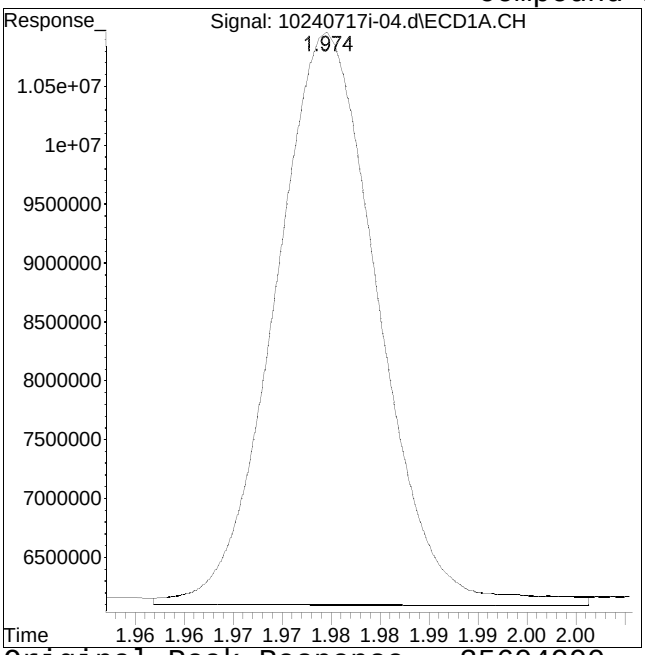
Manual Peak Response = 6956143 M4

M4 = Poor automated baseline construction.

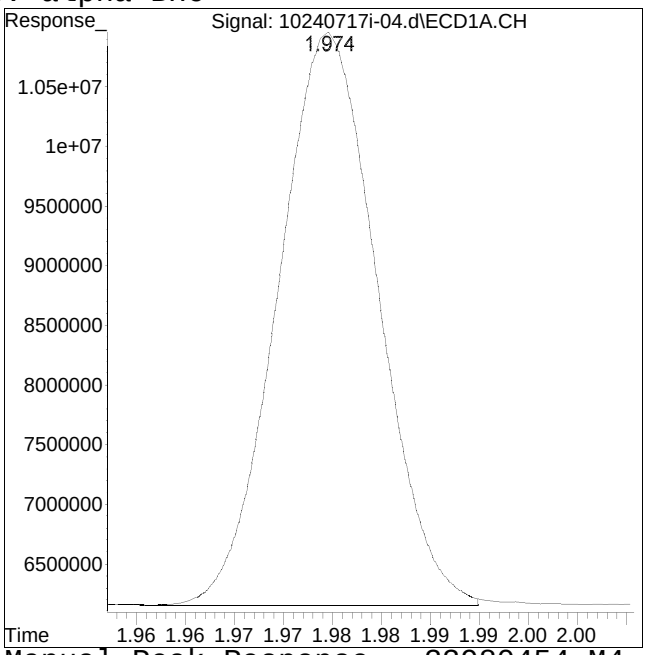
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #4: alpha-BHC



Original Peak Response = 35604990

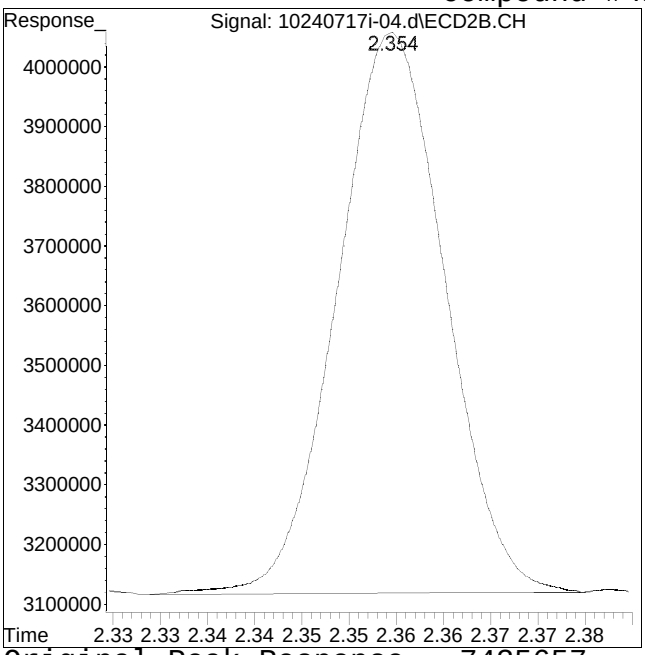


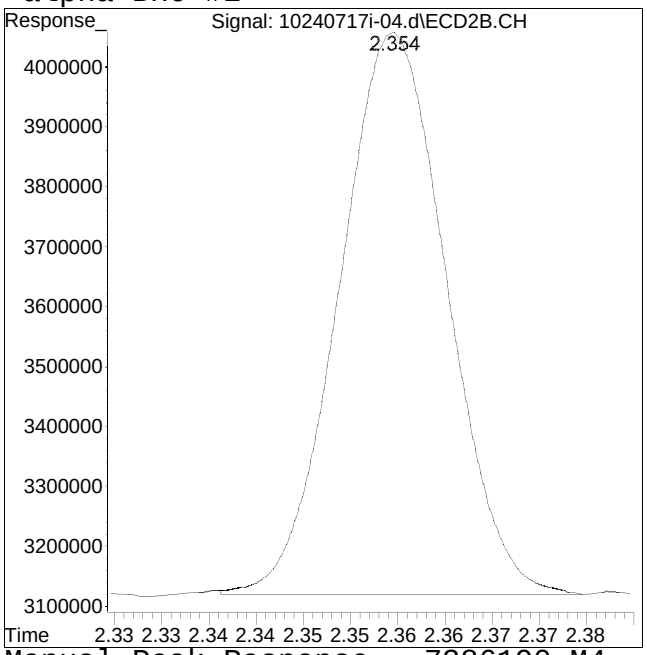
Manual Peak Response = 33980454 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #42: alpha-BHC #2



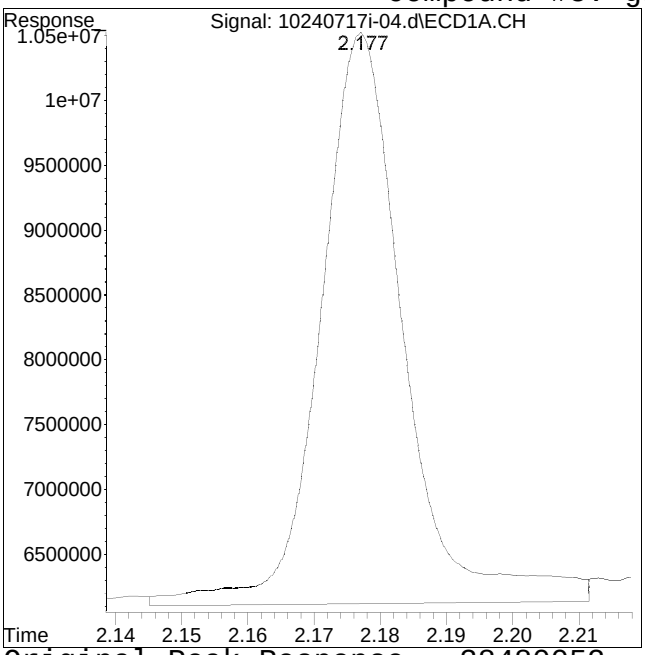


Original Peak Response = 7435657 Manual Peak Response = 7386190 M4
M4 = Poor automated baseline construction.

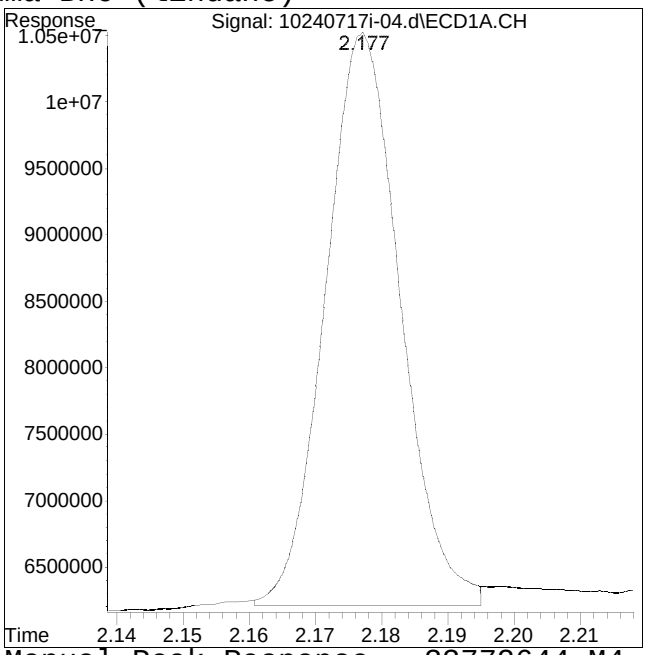
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 38480052



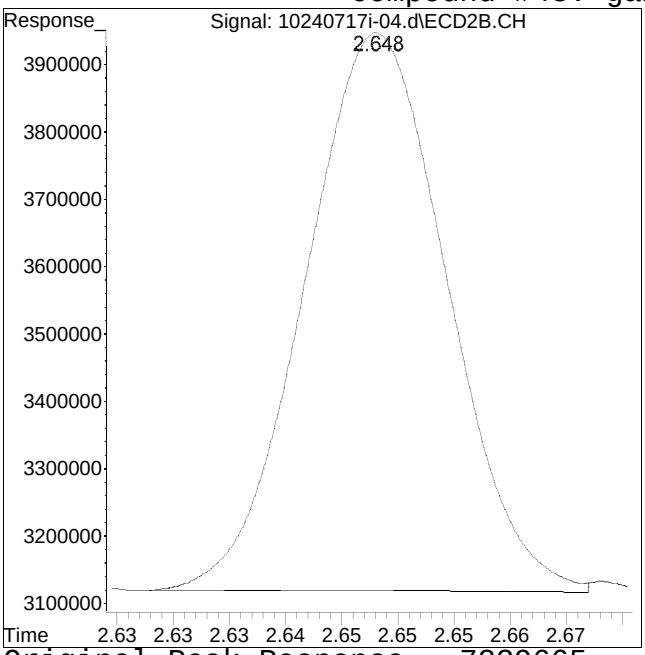
Manual Peak Response = 33772644 M4

M4 = Poor automated baseline construction.

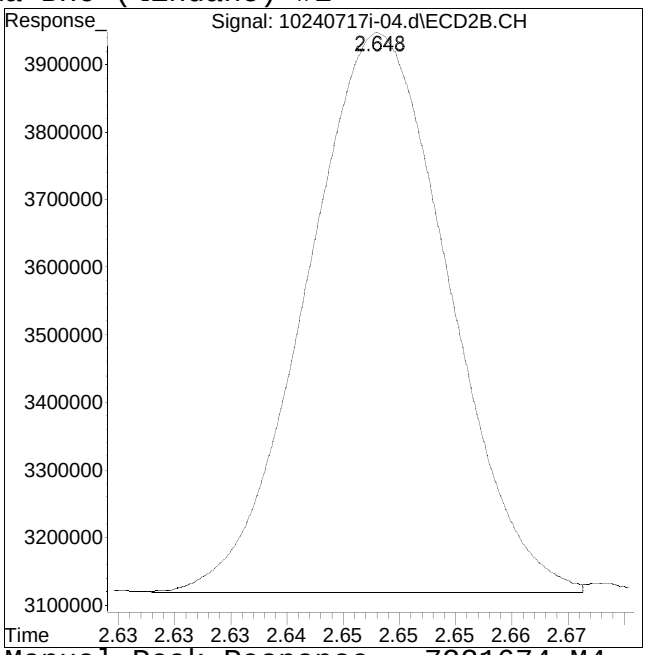
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 7239665



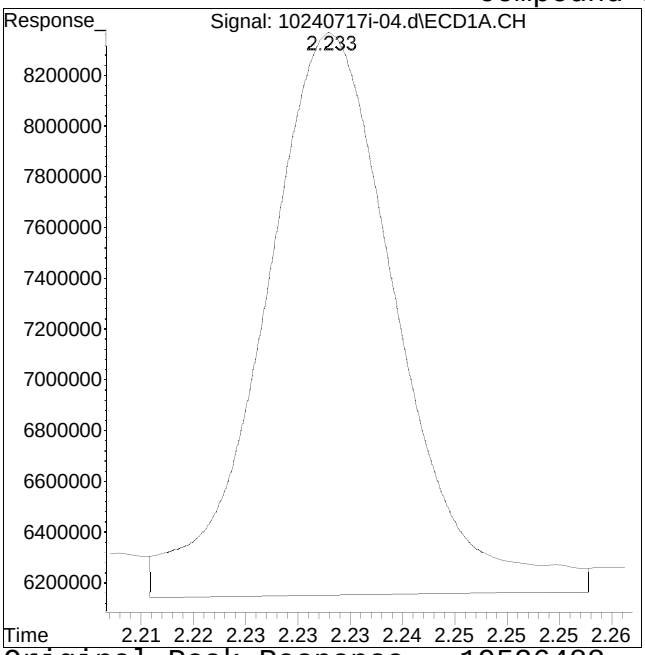
Manual Peak Response = 7221674 M4

M4 = Poor automated baseline construction.

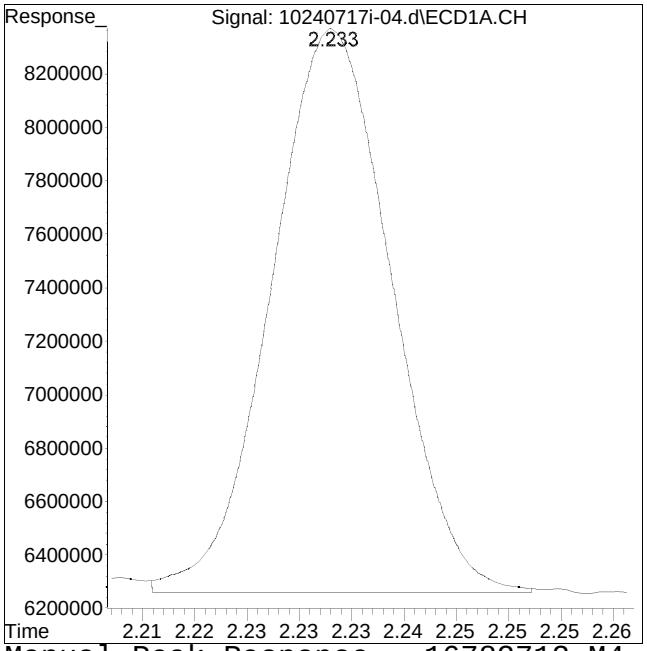
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #6: beta-BHC



Original Peak Response = 19526488



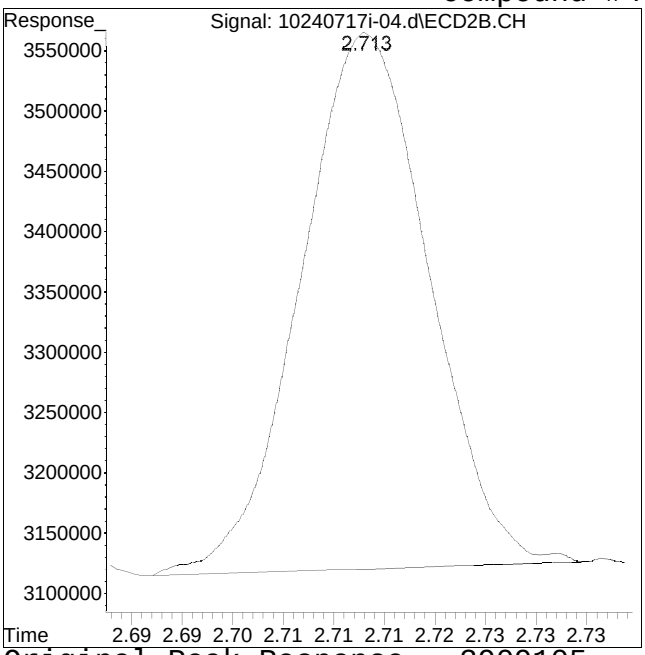
Manual Peak Response = 16782712 M4

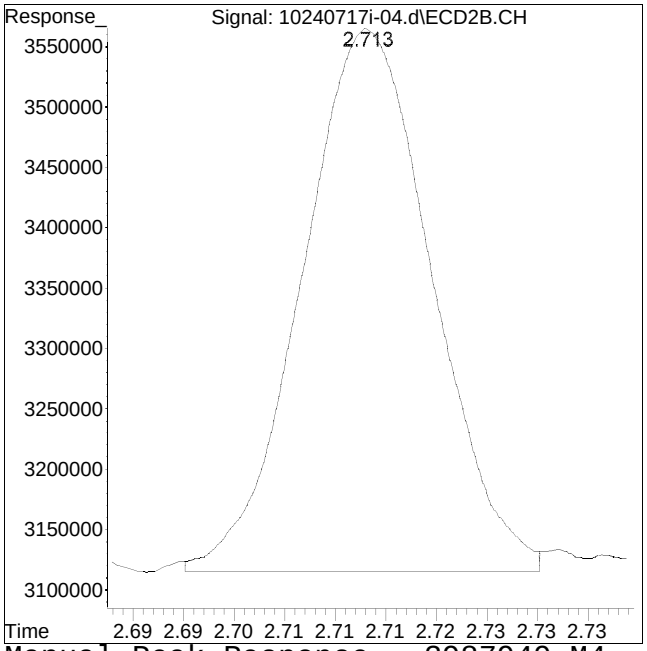
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #44: beta-BHC #2



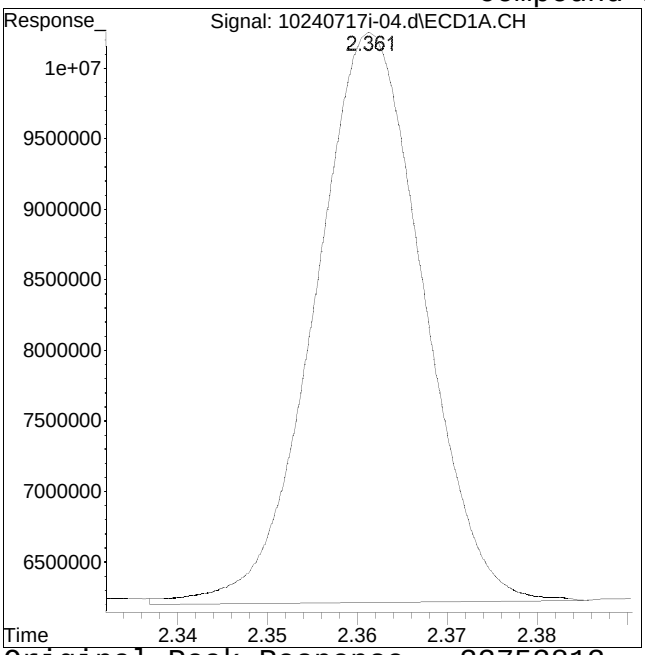


Original Peak Response = 3909105 Manual Peak Response = 3987949 M4
M4 = Poor automated baseline construction.

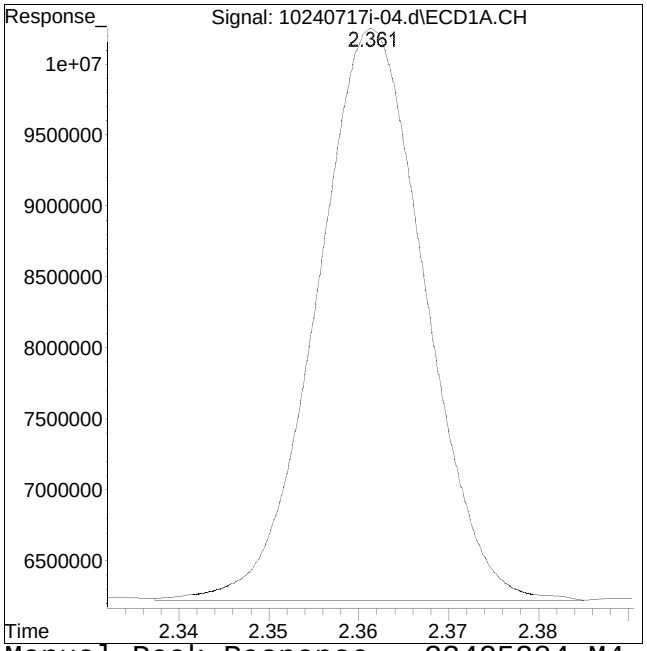
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #7: delta-BHC



Original Peak Response = 33753813



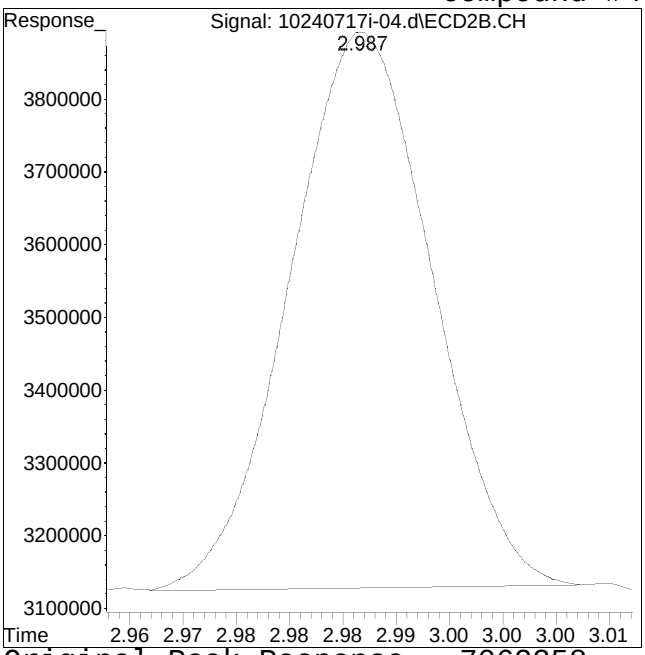
Manual Peak Response = 33425284 M4

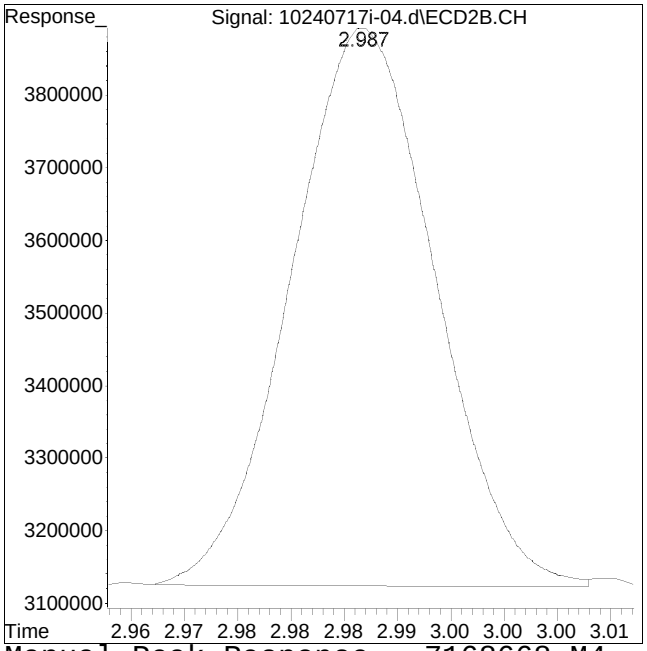
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #45: delta-BHC #2



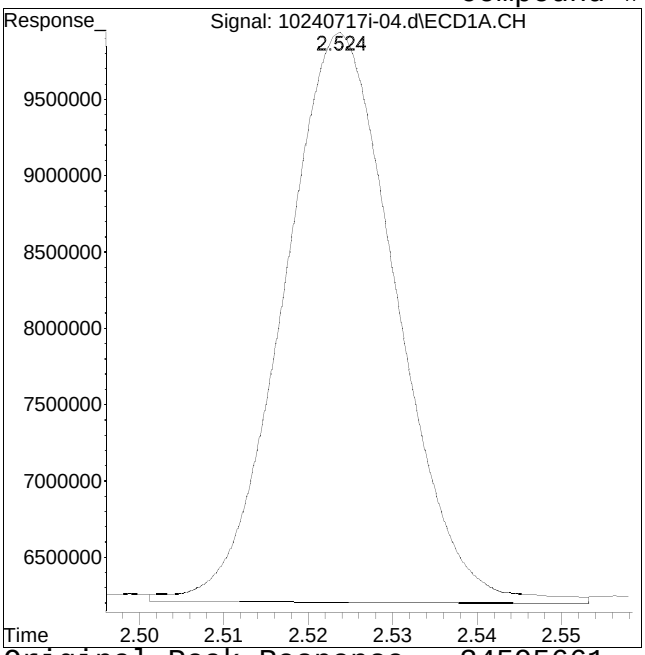


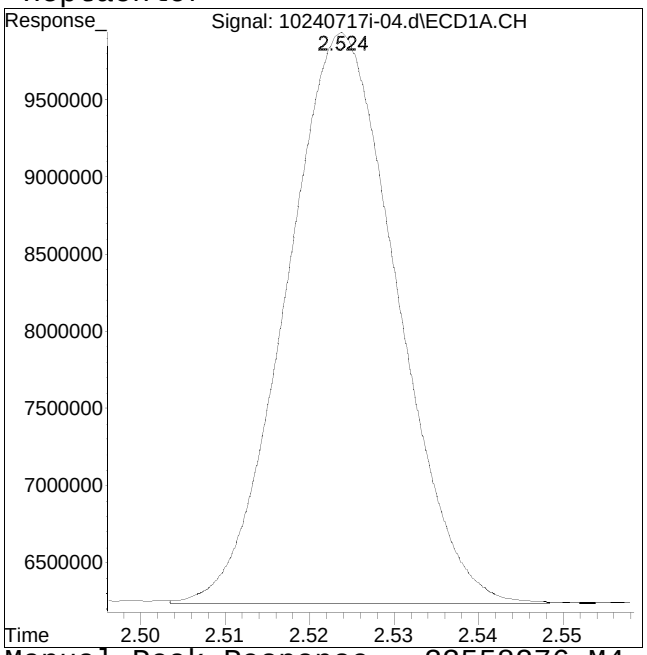
Original Peak Response = 7062358 Manual Peak Response = 7168668 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #8: Heptachlor



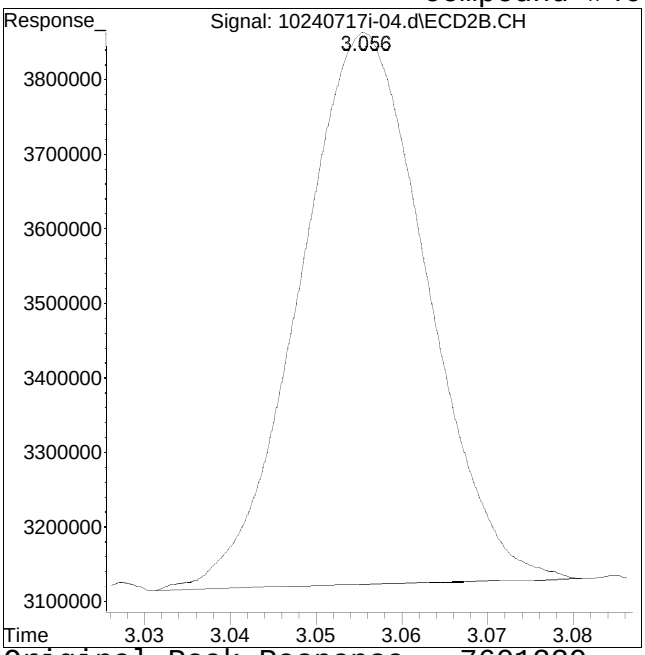


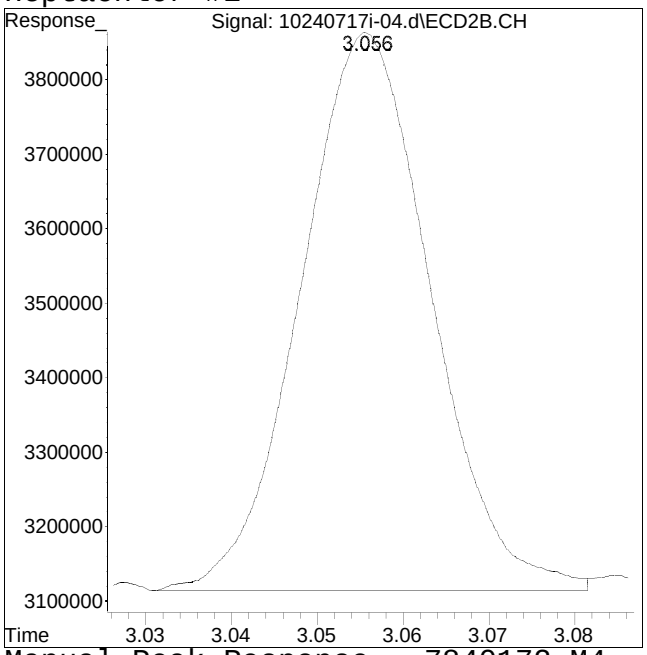
Original Peak Response = 34595661 Manual Peak Response = 33558276 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #46: Heptachlor #2



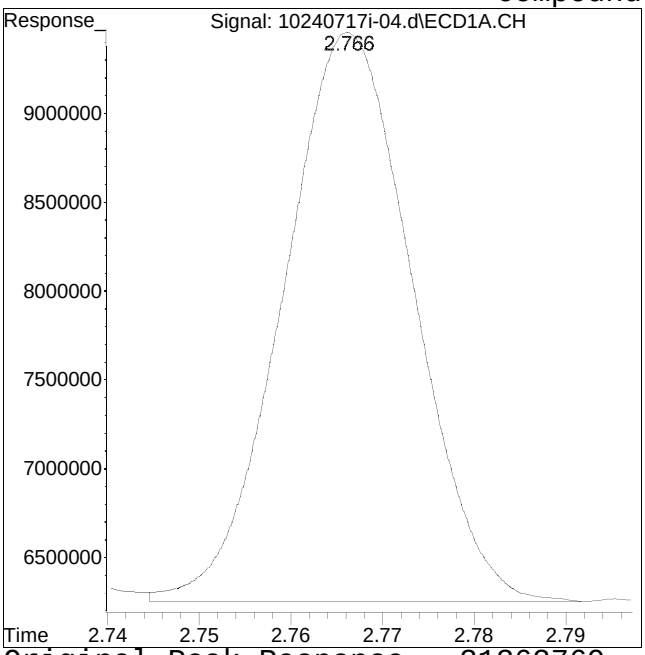


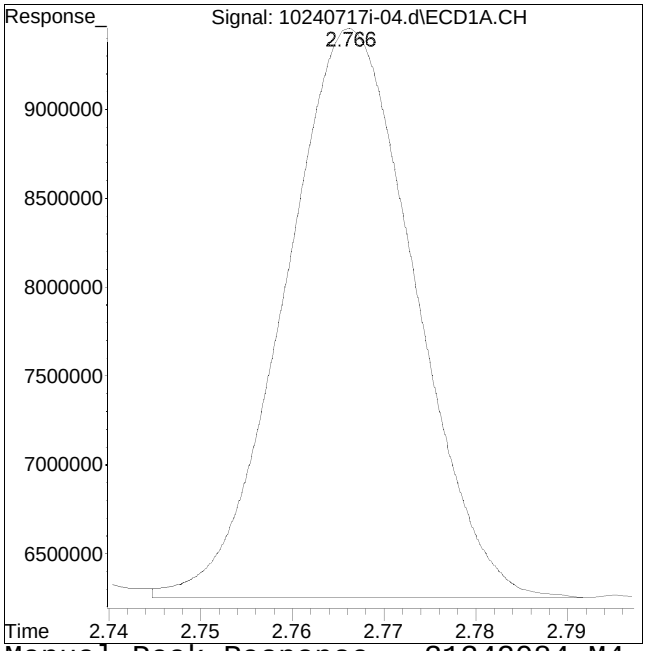
Original Peak Response = 7601229 Manual Peak Response = 7840172 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #9: Aldrin



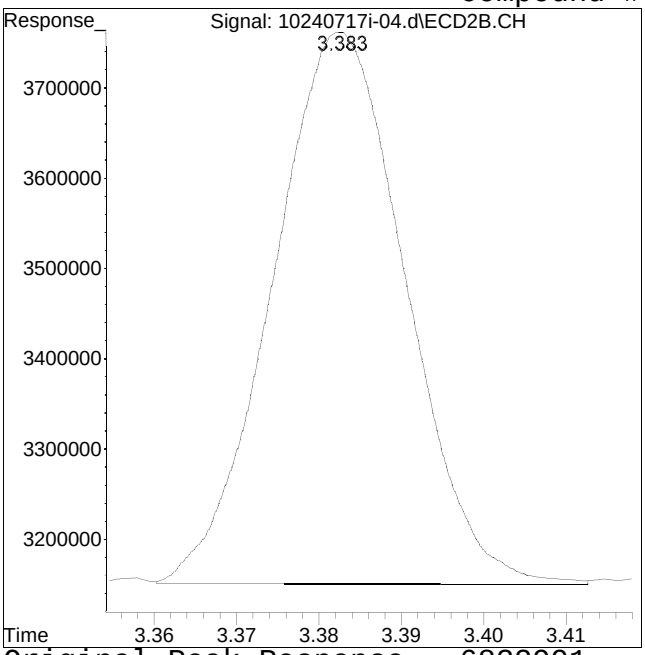


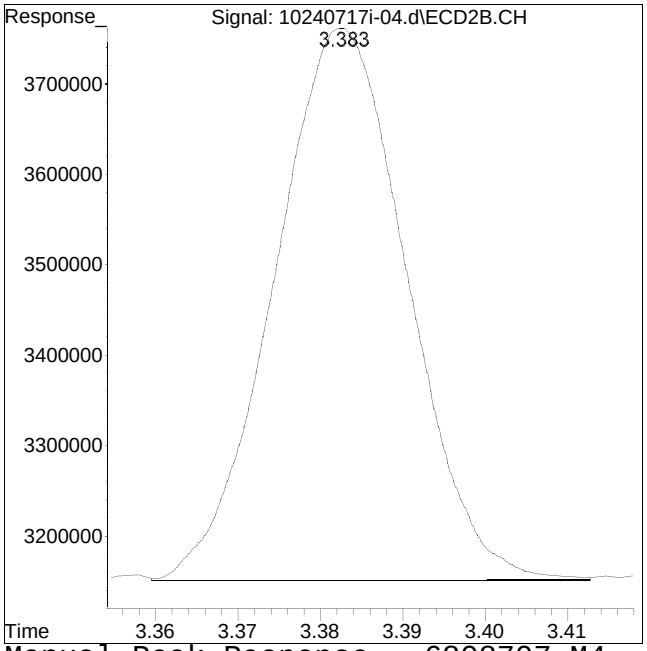
Original Peak Response = 31362769 Manual Peak Response = 31342084 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #47: Aldrin #2



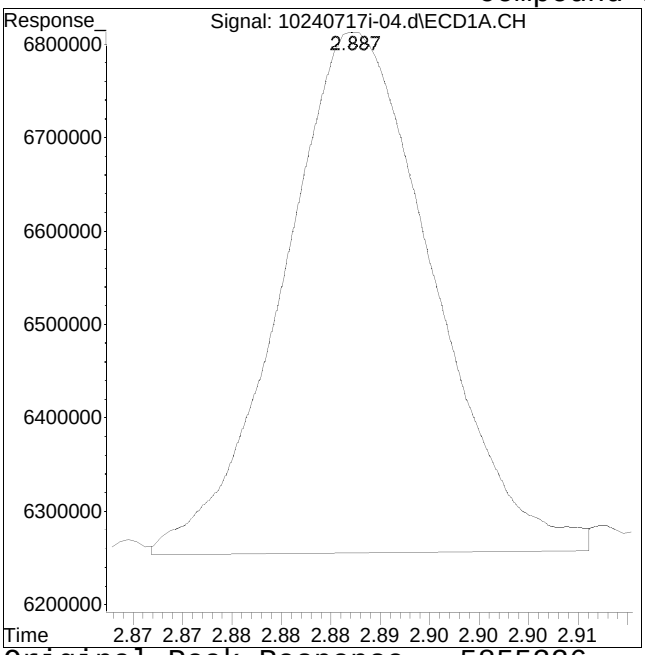


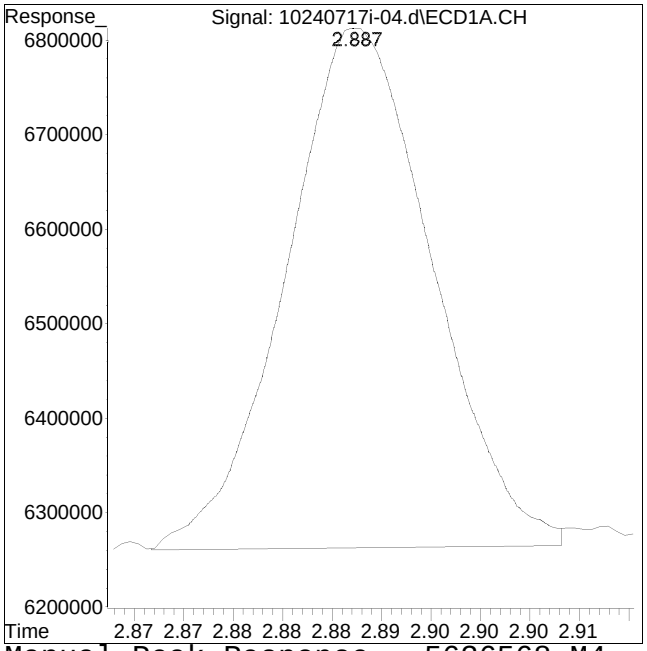
Original Peak Response = 6832991 Manual Peak Response = 6808707 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #10: Alachlor



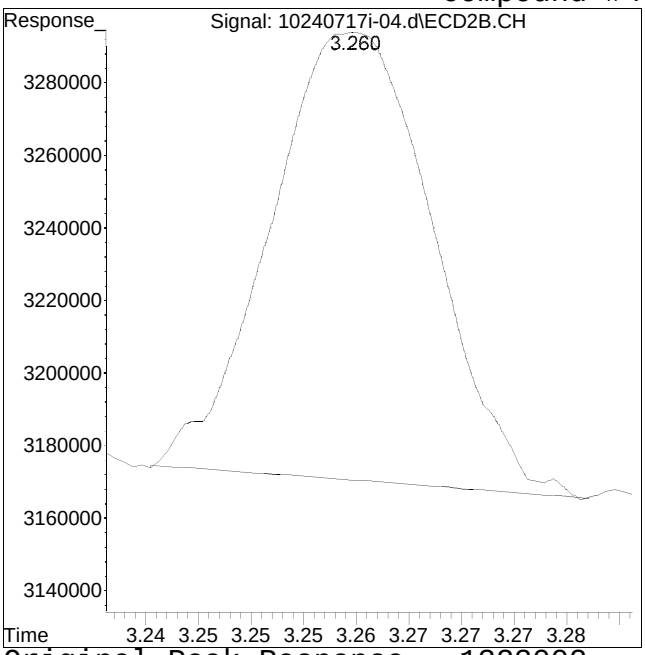


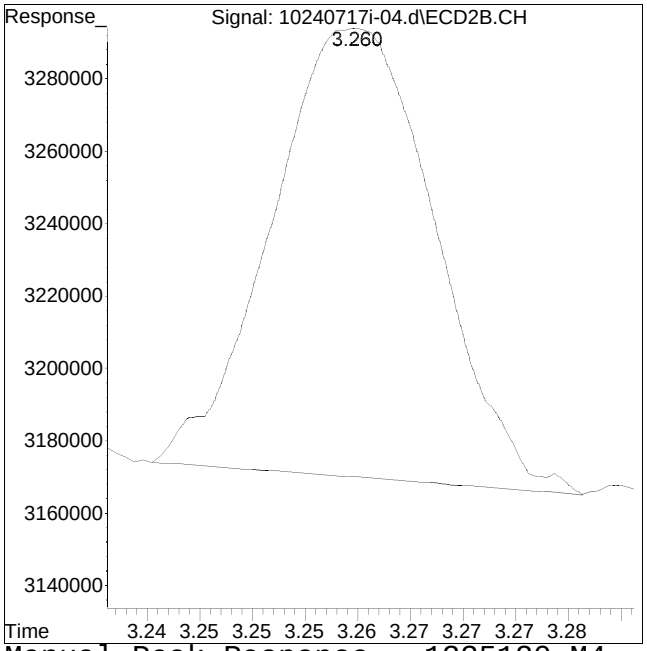
Original Peak Response = 5855326 Manual Peak Response = 5636568 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #48: Alachlor #2



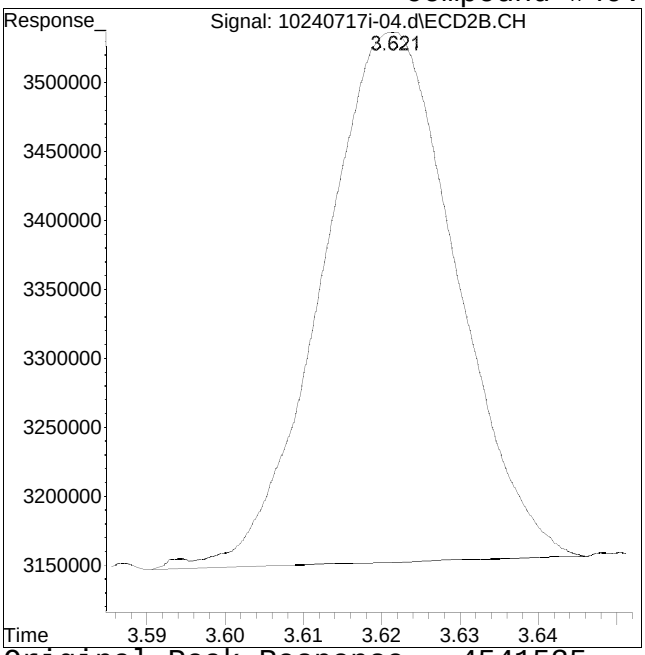


Original Peak Response = 1323002 Manual Peak Response = 1335120 M4
M4 = Poor automated baseline construction.

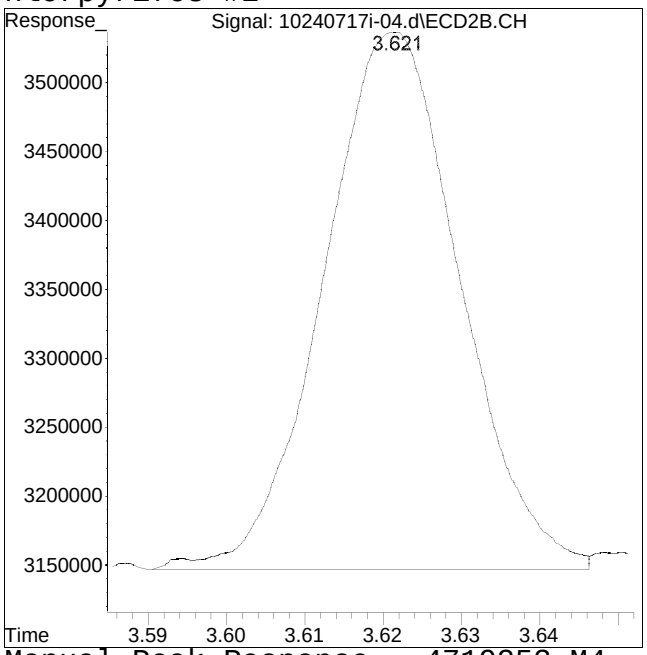
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 4541535



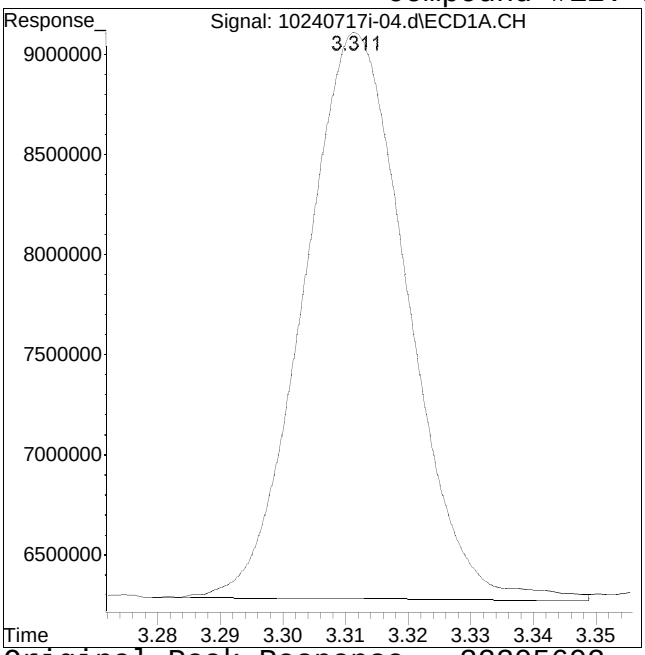
Manual Peak Response = 4719253 M4

M4 = Poor automated baseline construction.

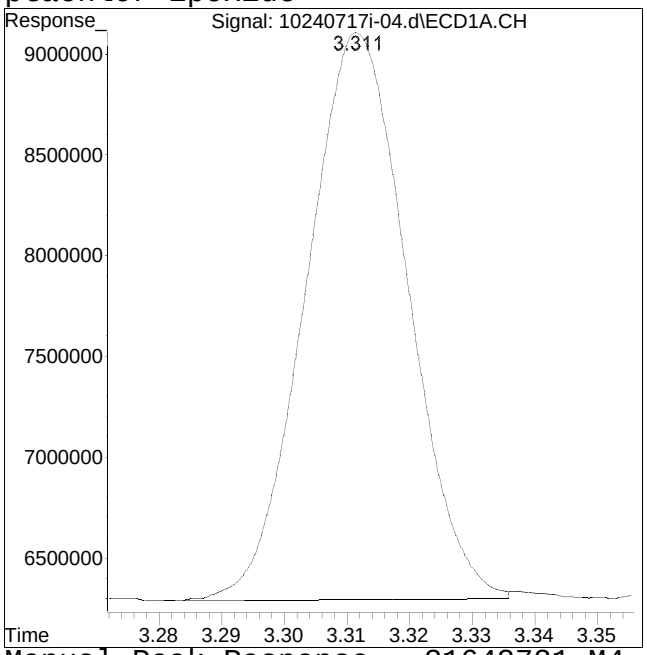
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 32305692



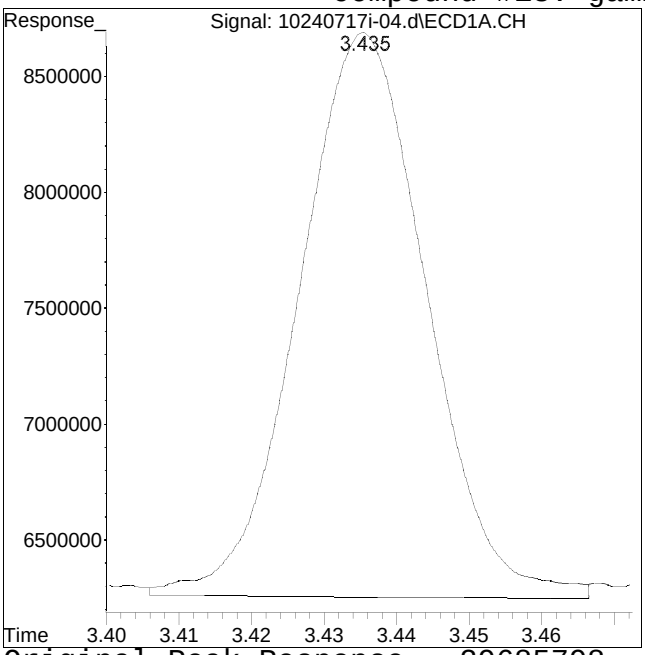
Manual Peak Response = 31642721 M4

M4 = Poor automated baseline construction.

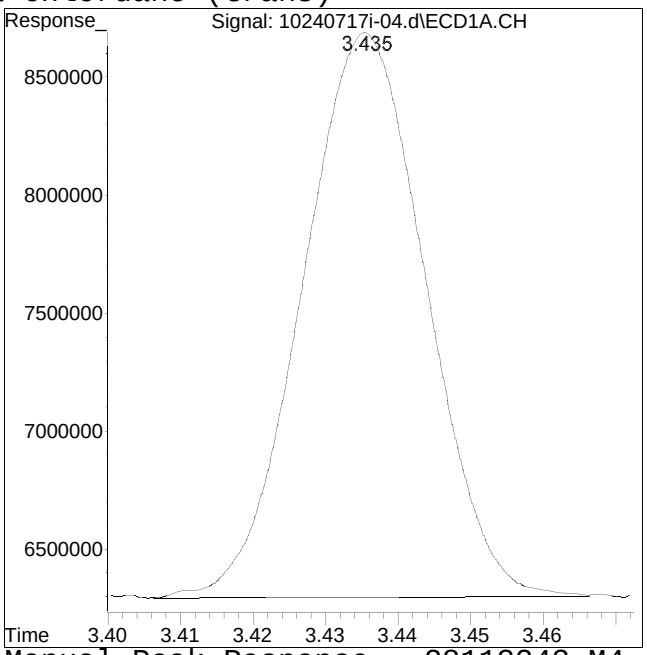
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 29685798



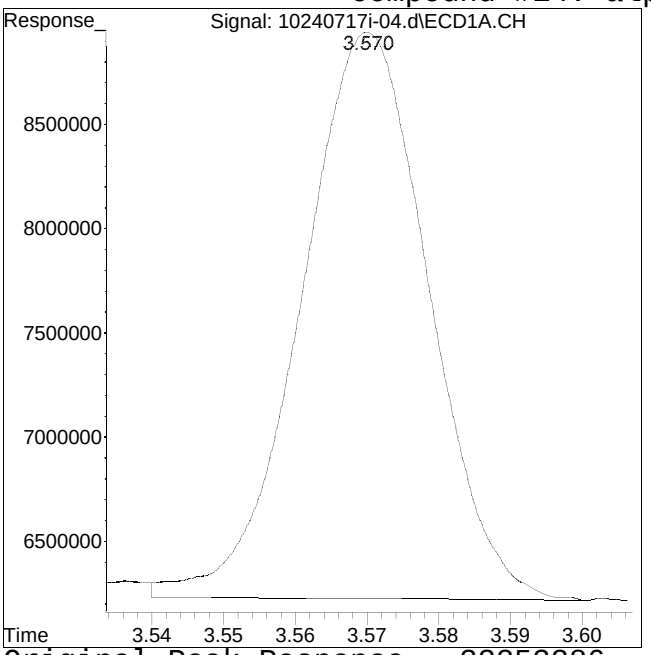
Manual Peak Response = 28113243 M4

M4 = Poor automated baseline construction.

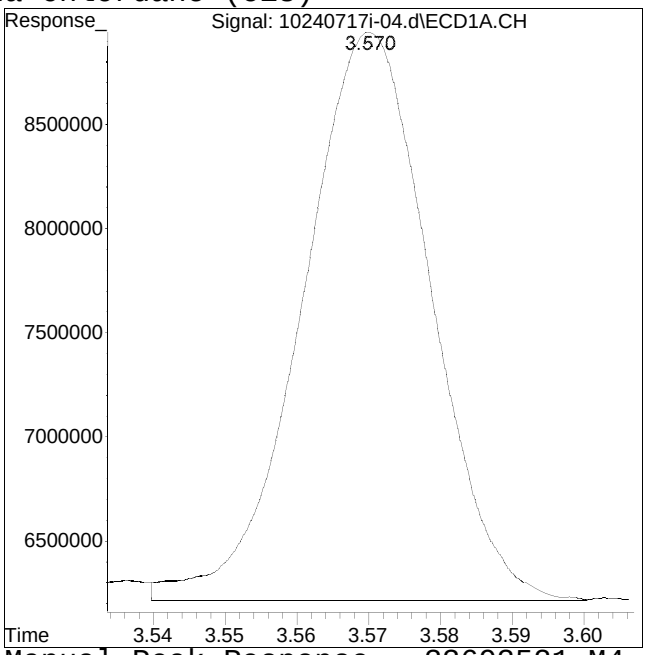
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 33353286



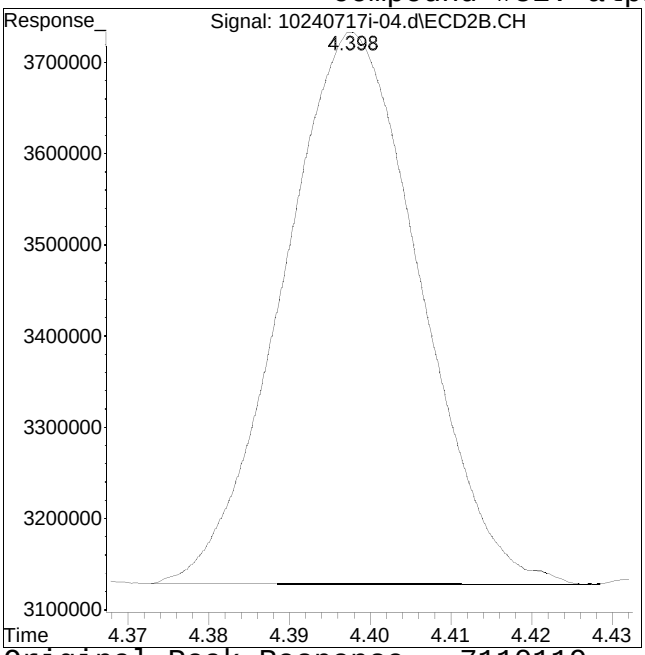
Manual Peak Response = 33693521 M4

M4 = Poor automated baseline construction.

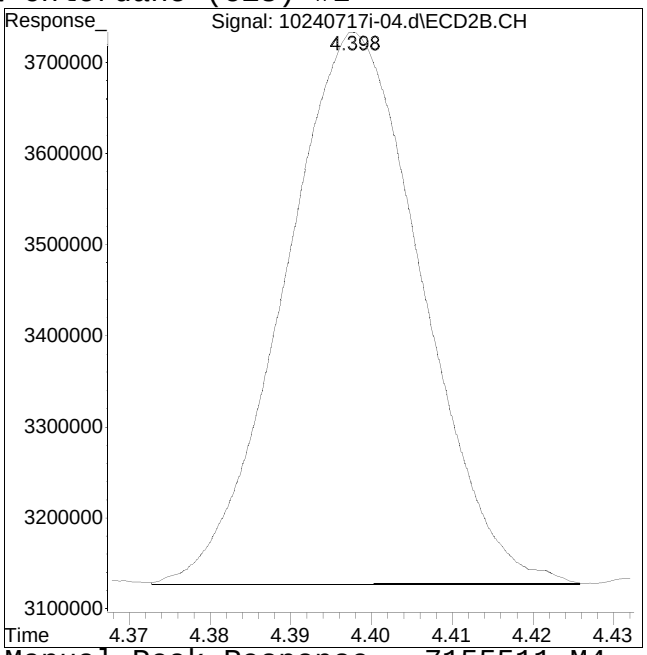
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 7110119



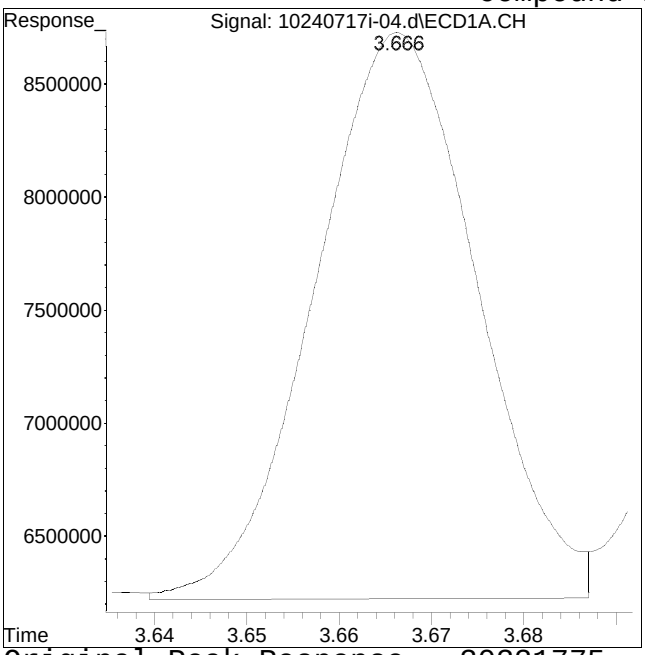
Manual Peak Response = 7155511 M4

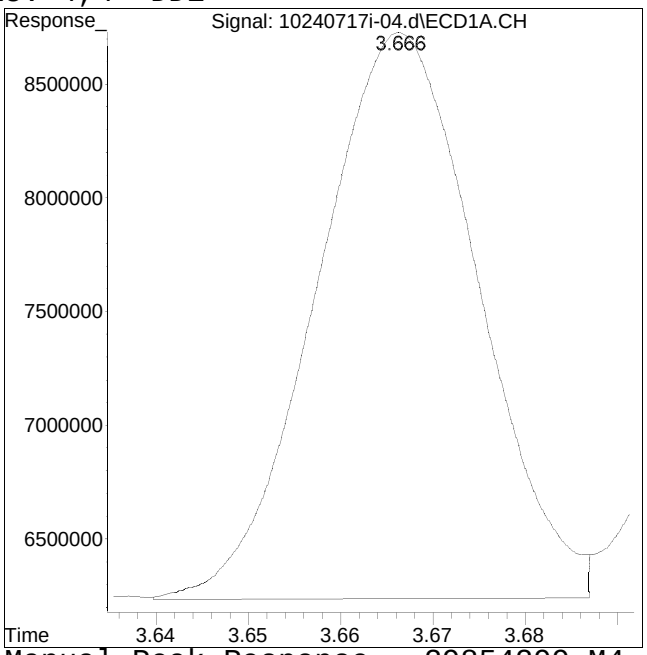
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #15: 4,4'-DDE



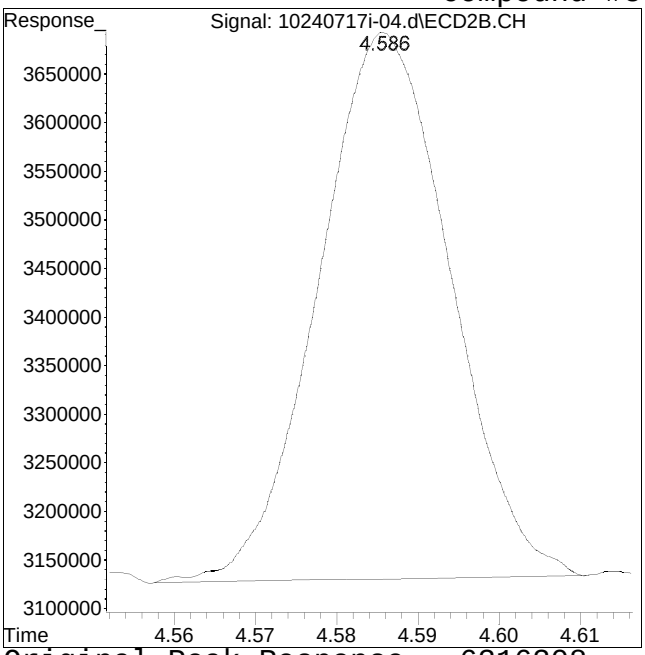


Original Peak Response = 30331775 Manual Peak Response = 29854299 M4
M4 = Poor automated baseline construction.

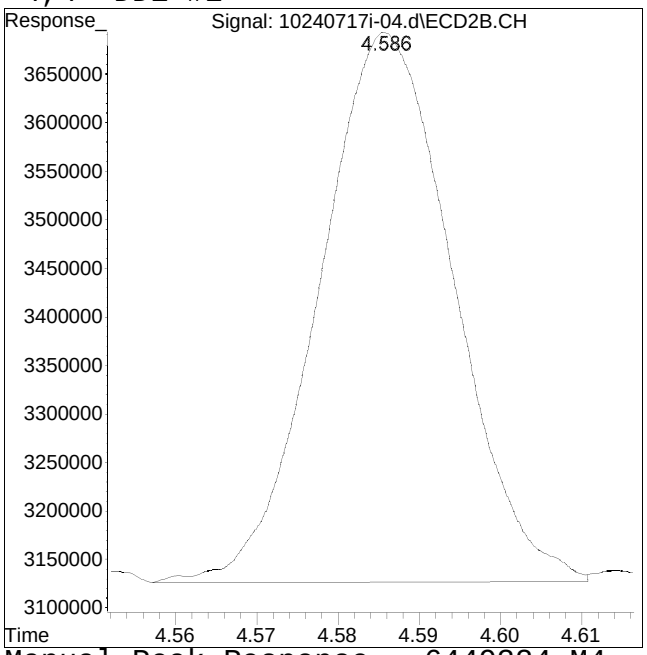
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 6316308



Manual Peak Response = 6449324 M4

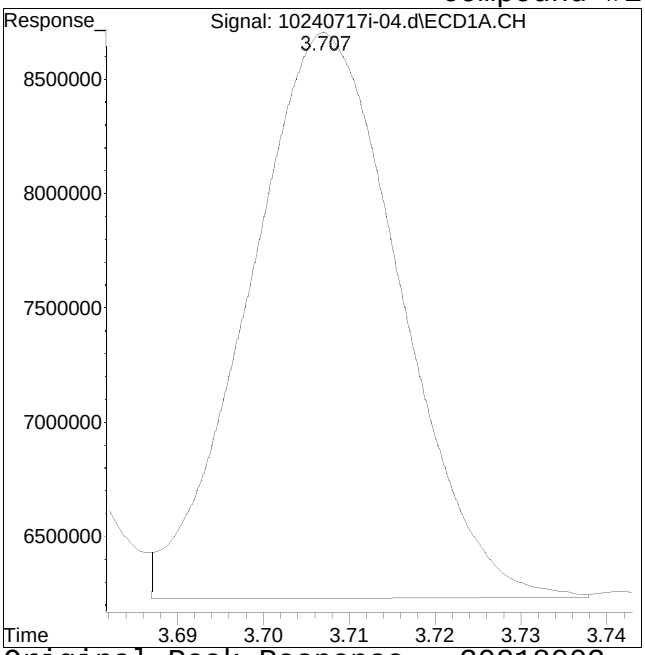
M4 = Poor automated baseline construction.

Manual Integration Report

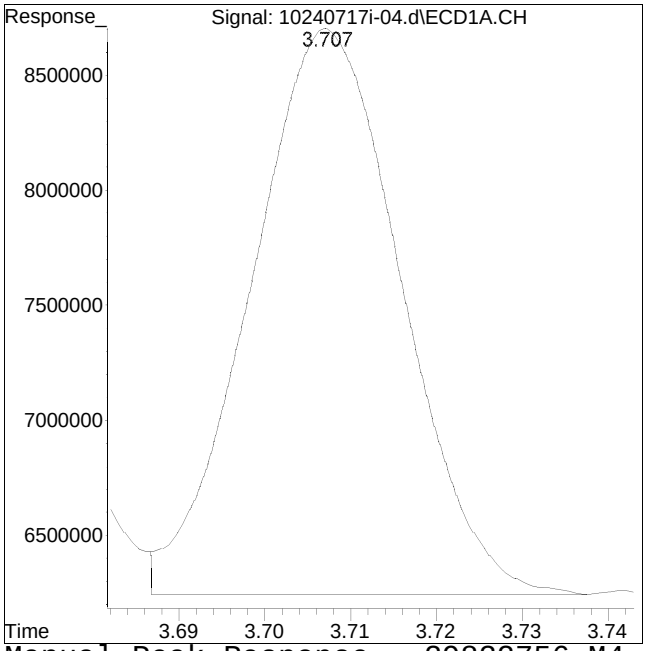
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-04.d
Date Inj'd : 7/17/2024 12:20 pm
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:50 am

Compound #16: Endosulfan I



Original Peak Response = 30218003



Manual Peak Response = 29832756 M4

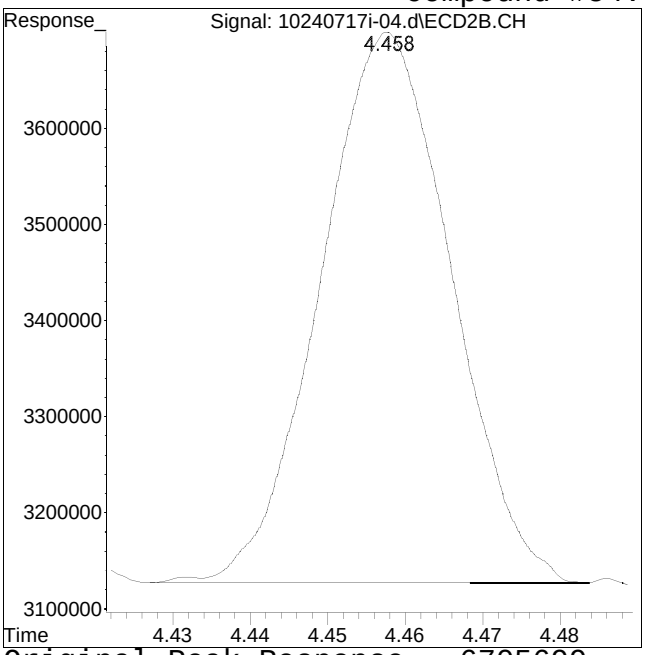
M4 = Poor automated baseline construction.

Manual Integration Report

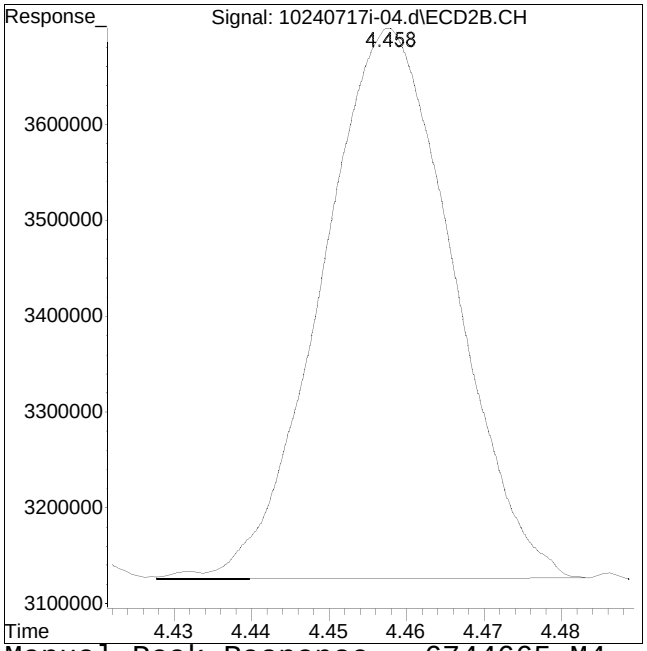
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-04.d
Date Inj'd : 7/17/2024 12:20 pm
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:50 am

Compound #54: Endosulfan I #2



Original Peak Response = 6705699



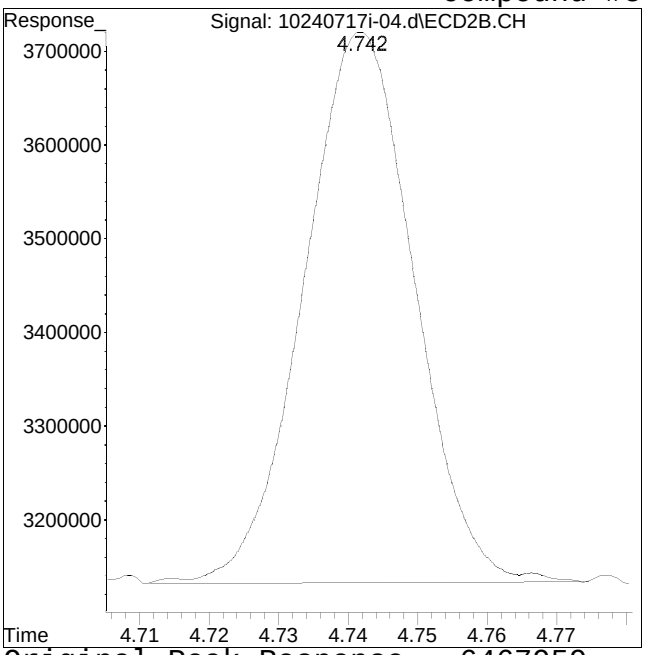
Manual Peak Response = 6744665 M4

M4 = Poor automated baseline construction.

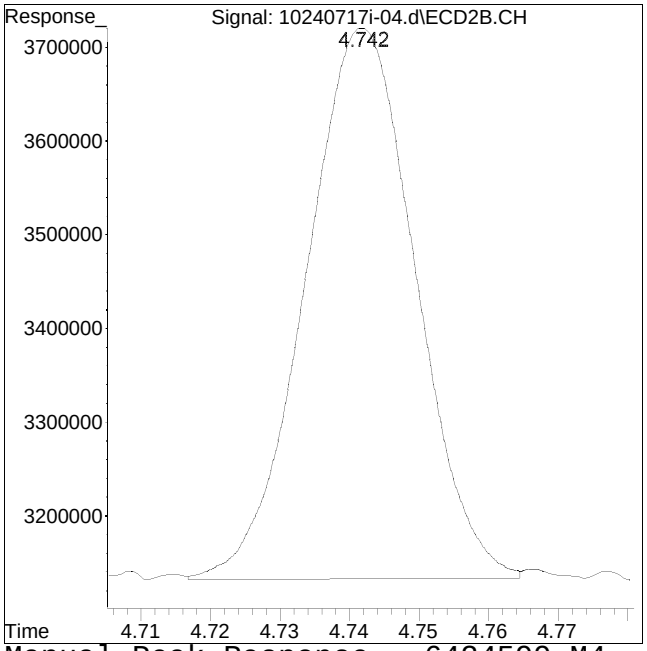
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #55: Dieldrin #2



Original Peak Response = 6467959



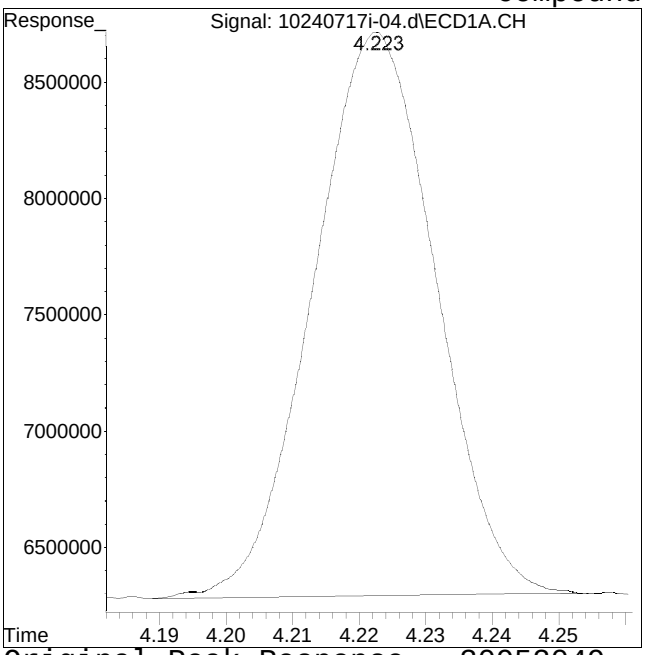
Manual Peak Response = 6424599 M4

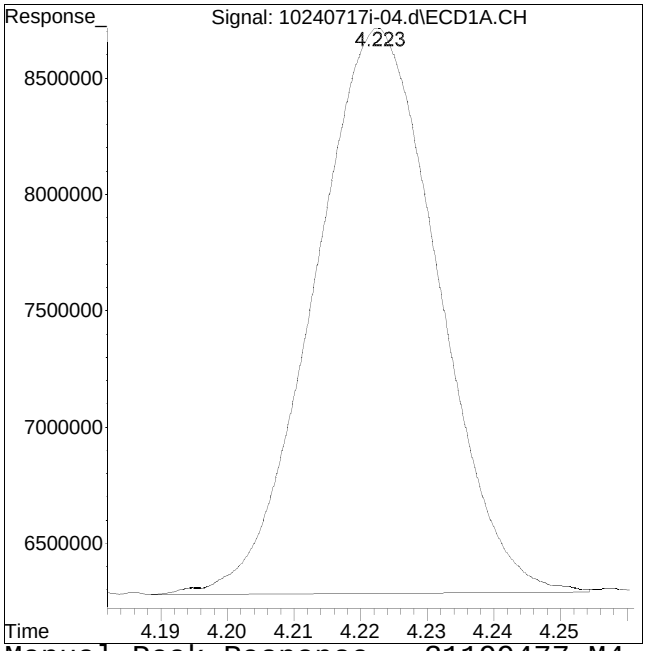
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #18: Endrin



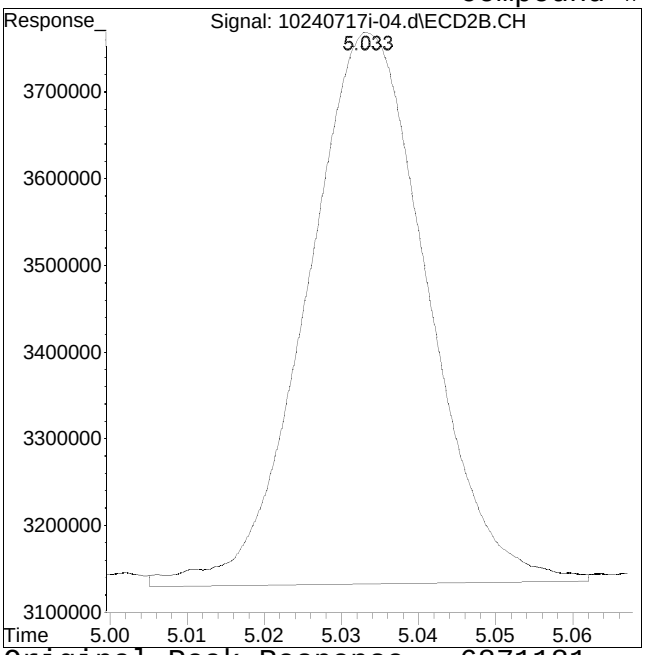


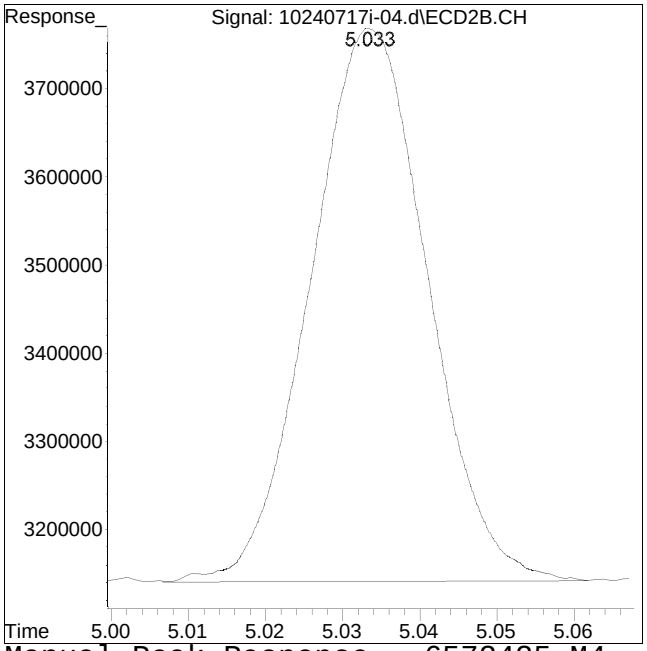
Original Peak Response = 30952049 Manual Peak Response = 31199477 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #56: Endrin #2



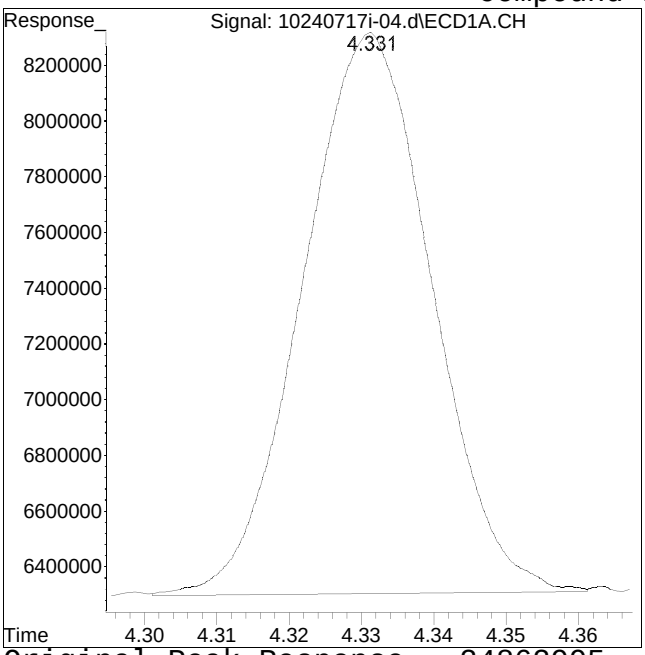


Original Peak Response = 6871181 Manual Peak Response = 6572425 M4
M4 = Poor automated baseline construction.

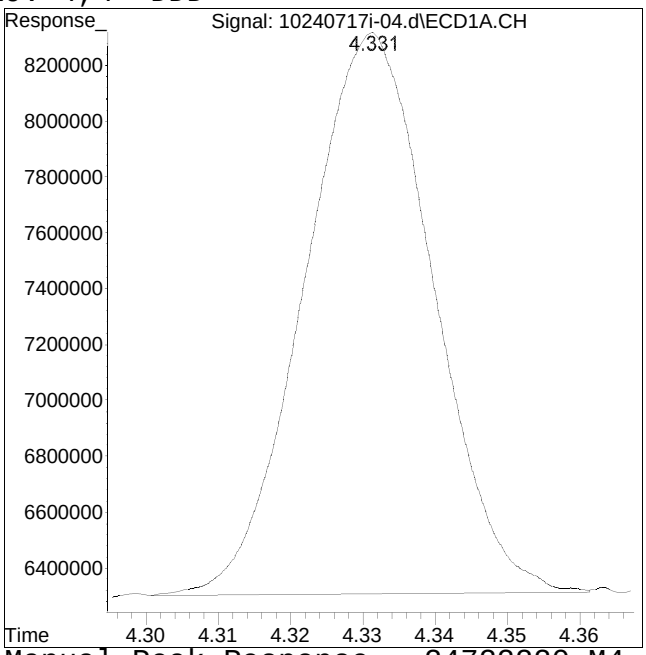
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #19: 4,4'-DDD



Original Peak Response = 24862995



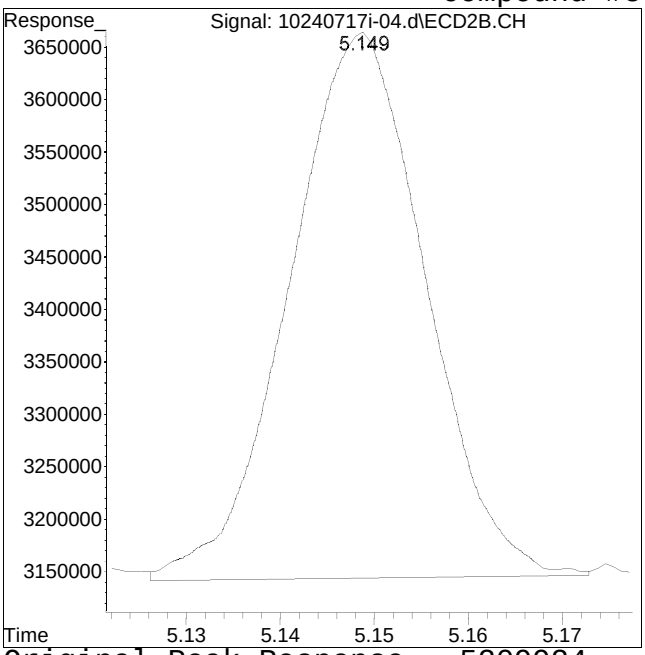
Manual Peak Response = 24722220 M4

M4 = Poor automated baseline construction.

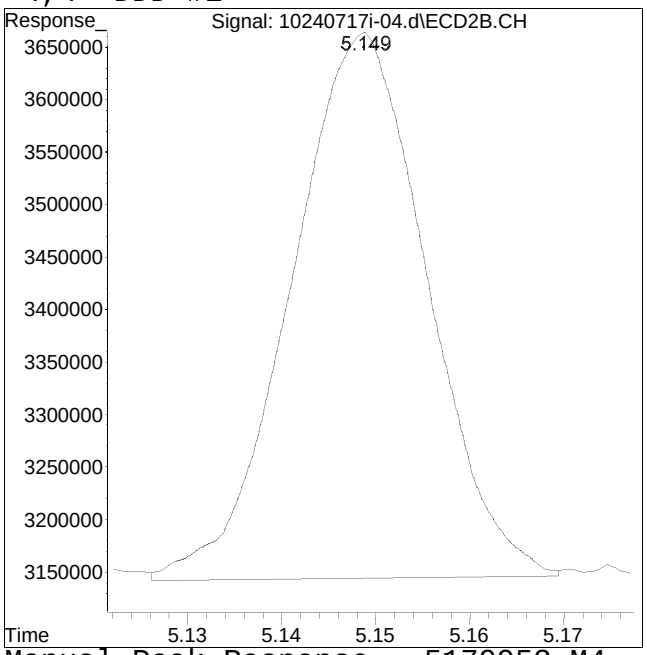
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 5209924



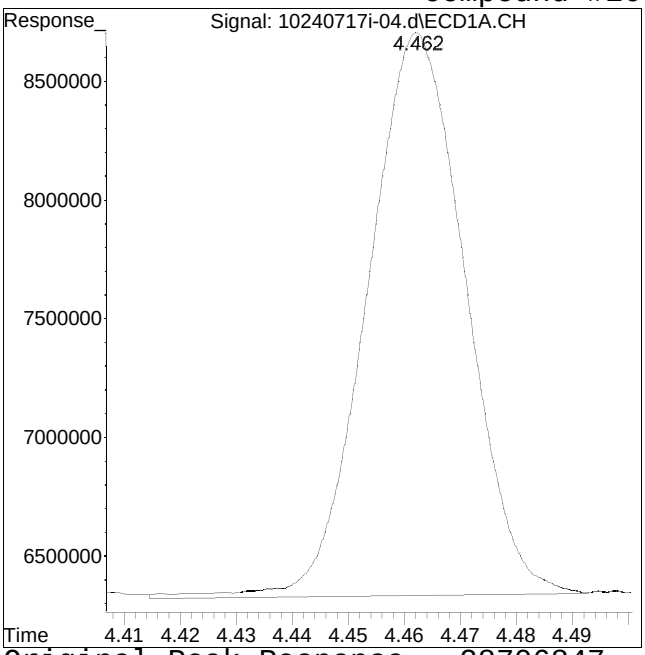
Manual Peak Response = 5179953 M4

M4 = Poor automated baseline construction.

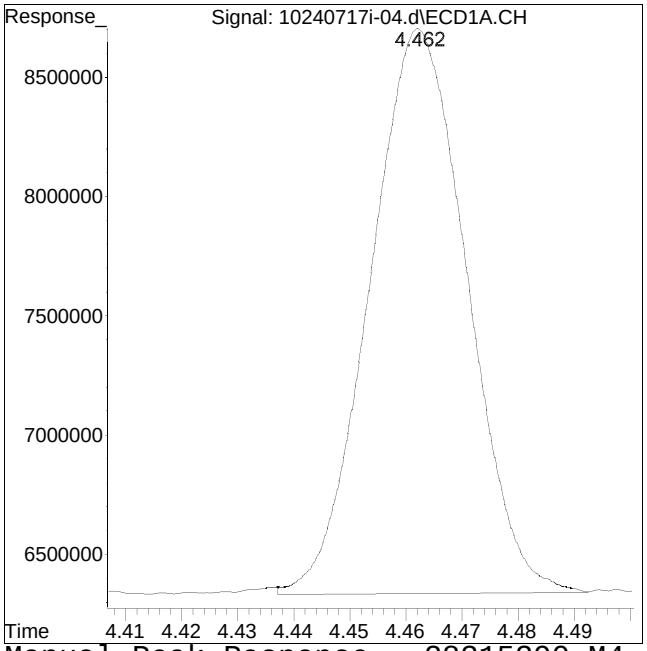
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #20: Endosulfan II



Original Peak Response = 28706847



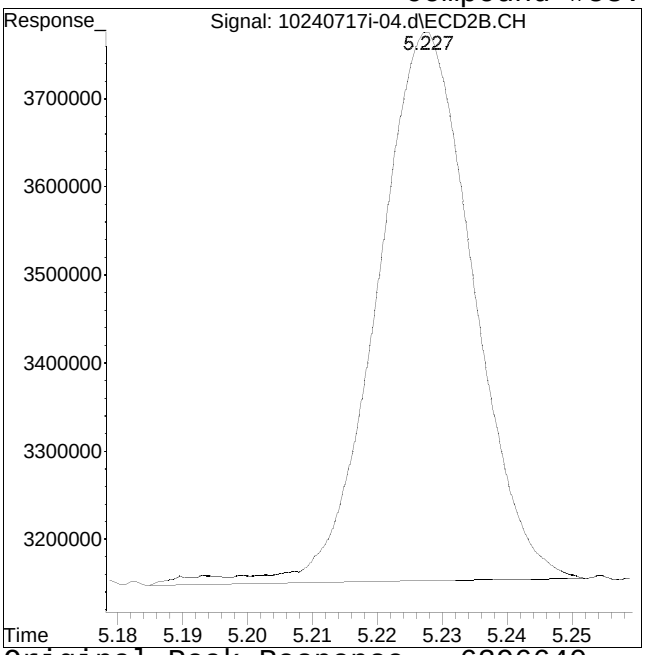
Manual Peak Response = 28315390 M4

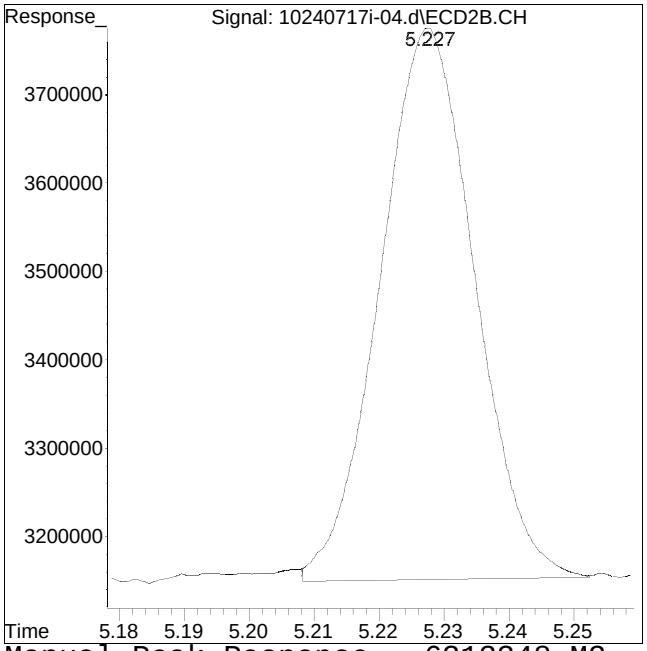
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #58: Endosulfan II #2





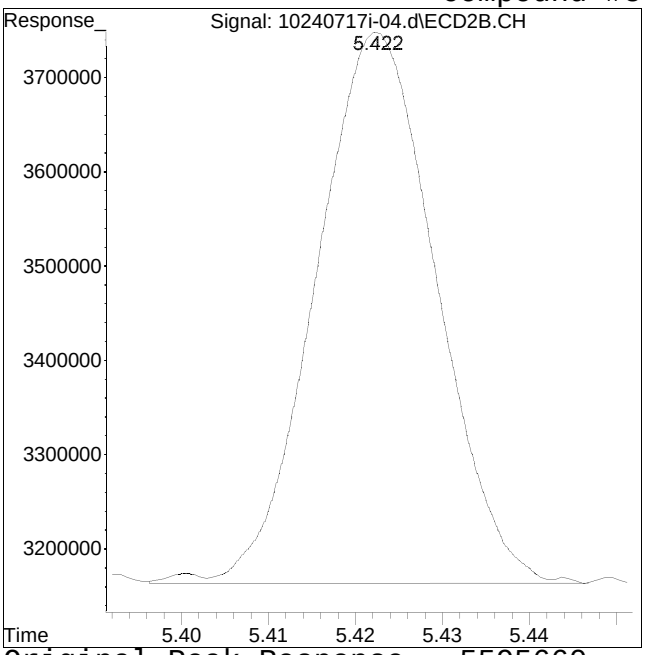
Original Peak Response = 6396640 Manual Peak Response = 6313348 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

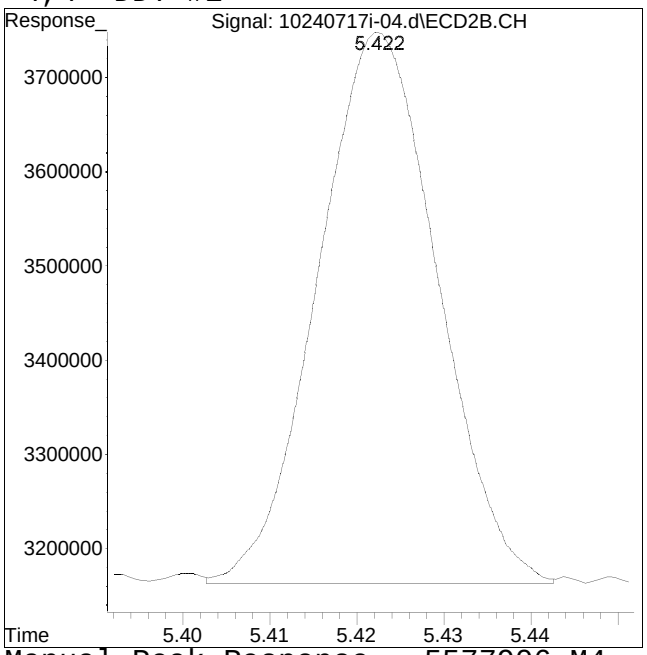
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-04.d
Date Inj'd : 7/17/2024 12:20 pm
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:50 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 5595660



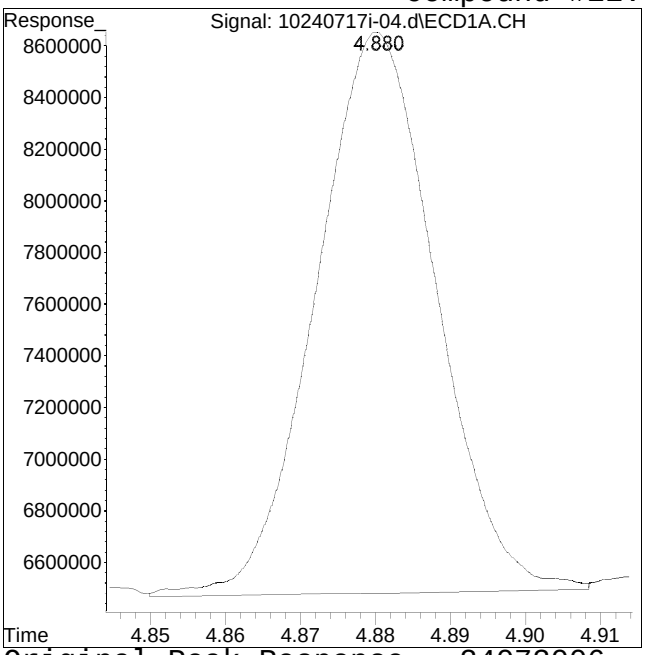
Manual Peak Response = 5577906 M4

M4 = Poor automated baseline construction.

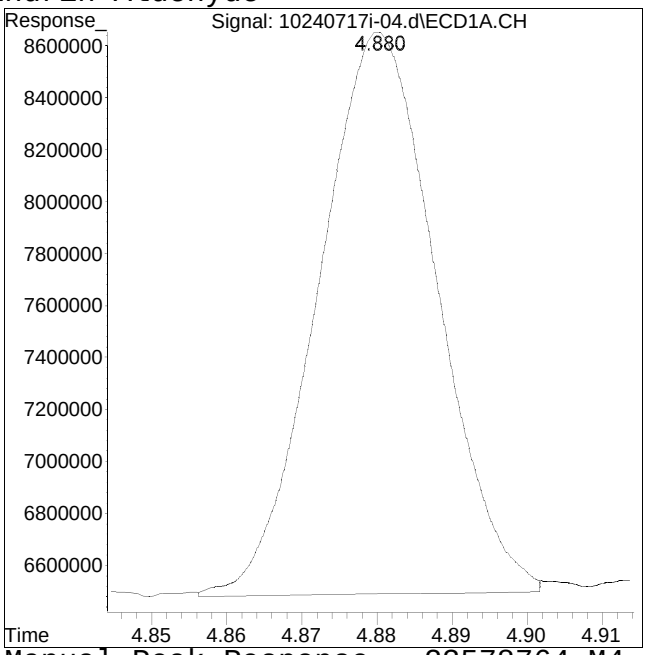
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #22: Endrin Aldehyde



Original Peak Response = 24073006



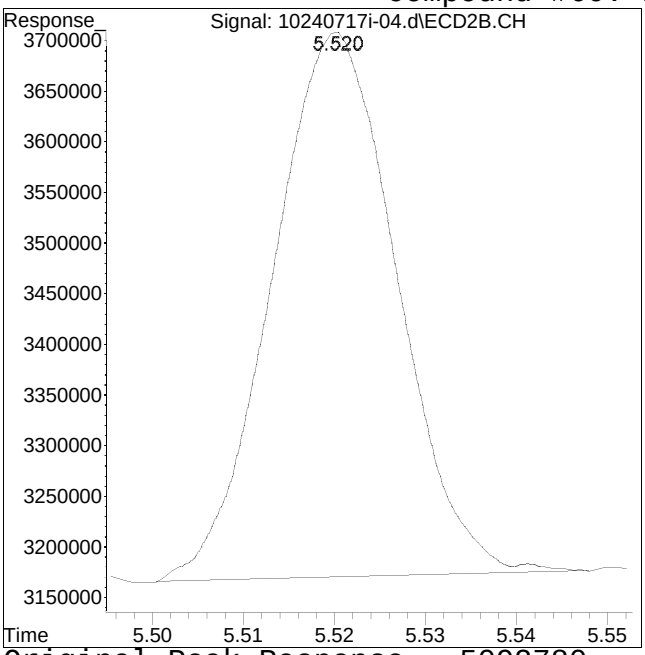
Manual Peak Response = 23578764 M4

M4 = Poor automated baseline construction.

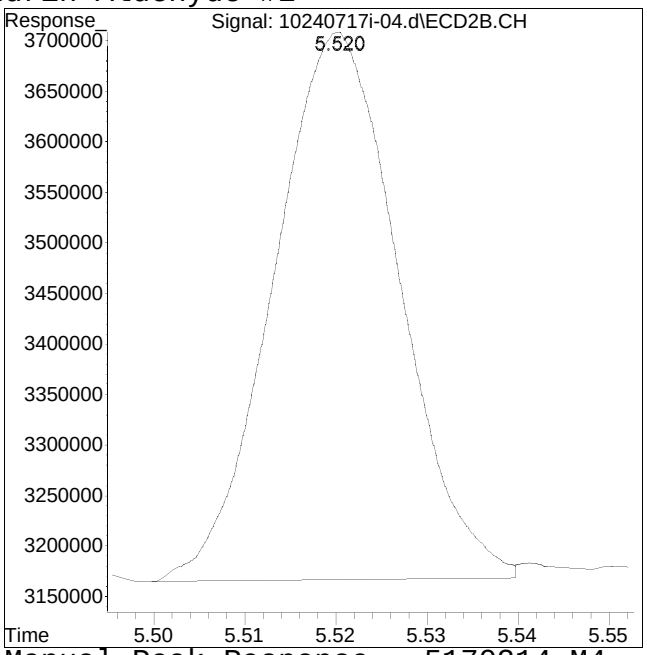
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 5092780



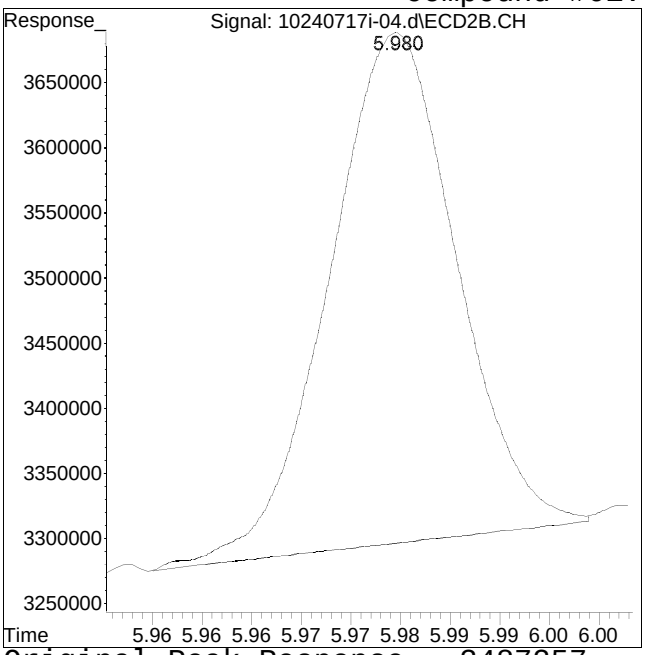
Manual Peak Response = 5170214 M4

M4 = Poor automated baseline construction.

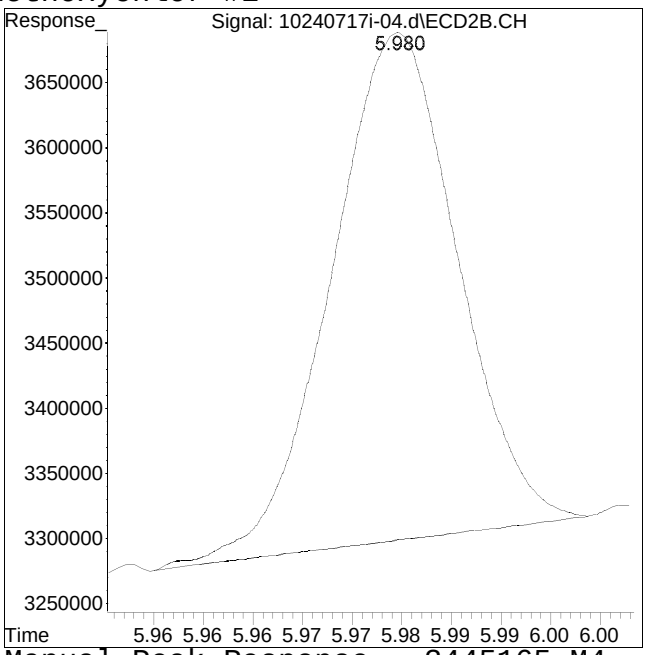
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #61: Methoxychlor #2



Original Peak Response = 3487257



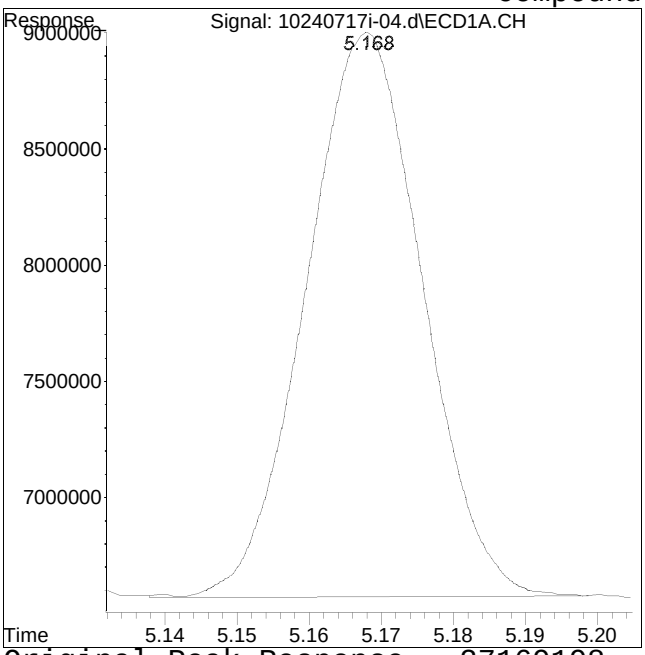
Manual Peak Response = 3445165 M4

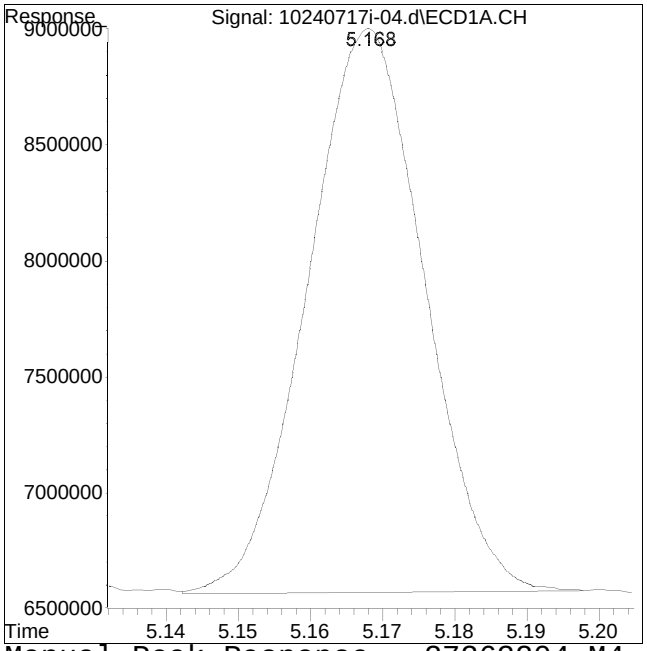
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #24: Mirex



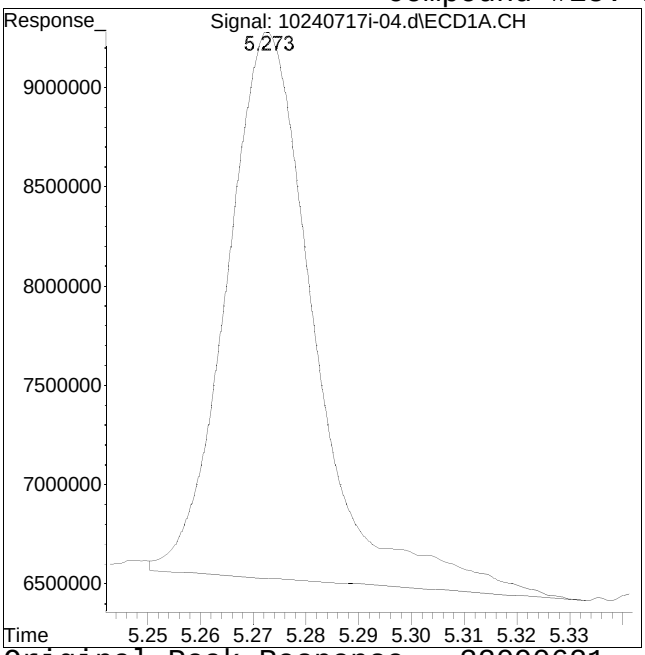


Original Peak Response = 27169198 Manual Peak Response = 27263204 M4
M4 = Poor automated baseline construction.

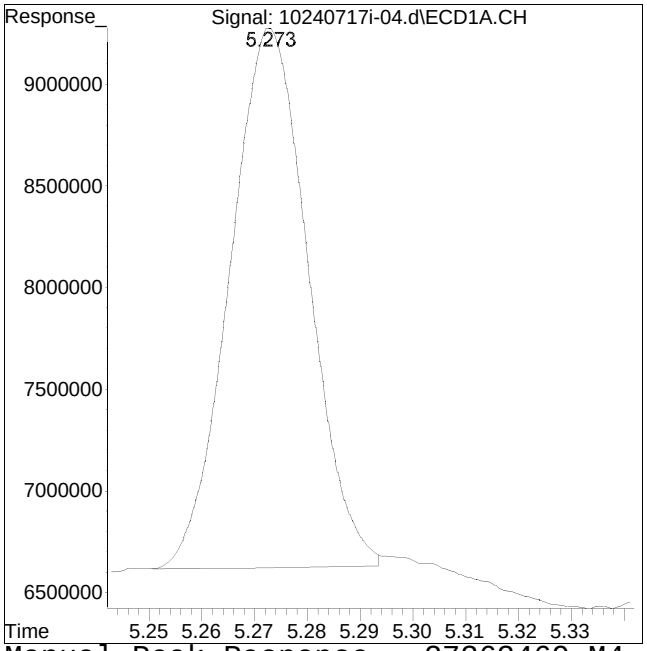
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 32090621



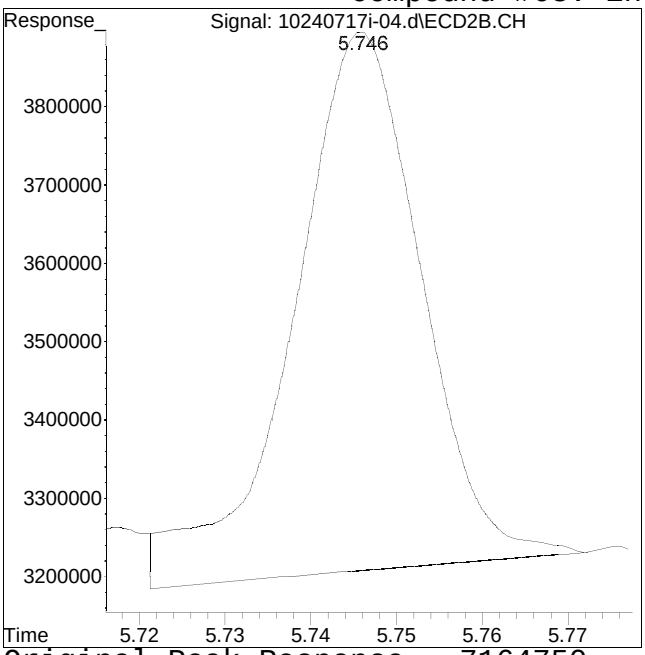
Manual Peak Response = 27363469 M4

M4 = Poor automated baseline construction.

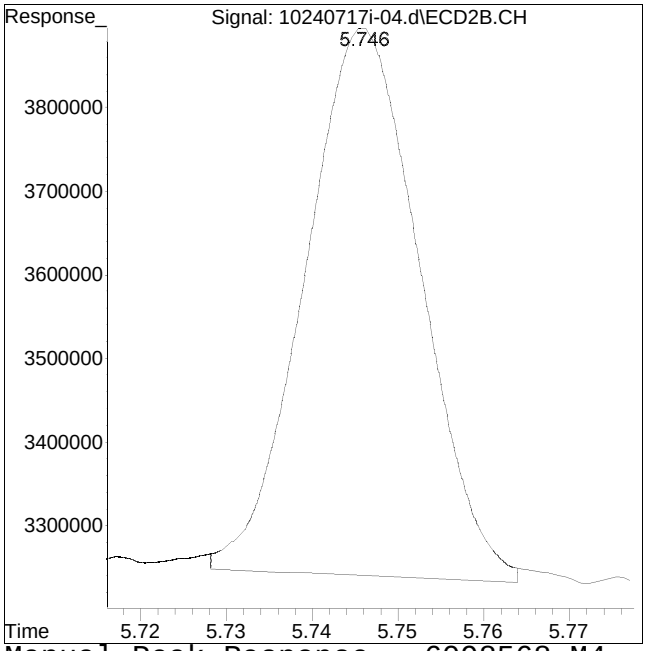
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 7164750



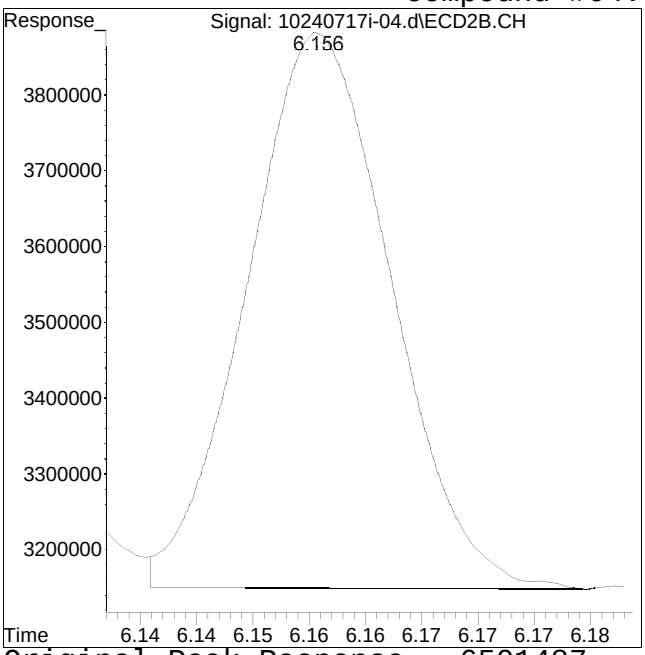
Manual Peak Response = 6098568 M4

M4 = Poor automated baseline construction.

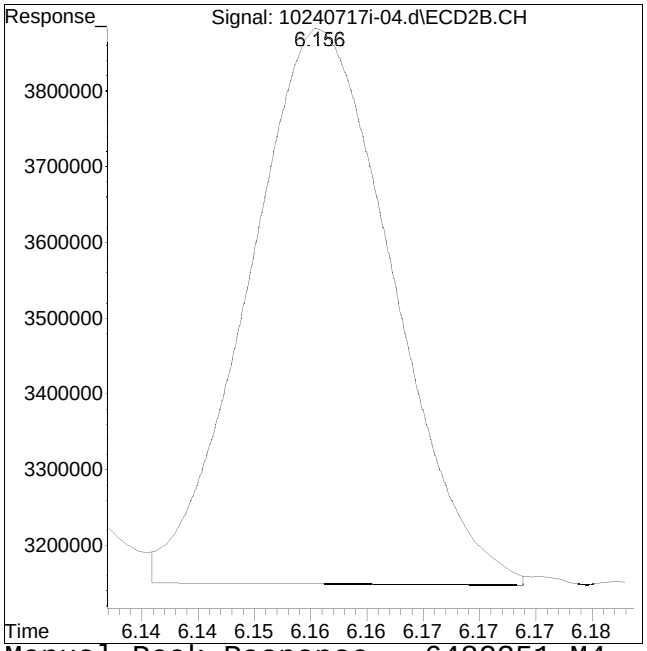
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #64: Endrin Ketone #2



Original Peak Response = 6501487



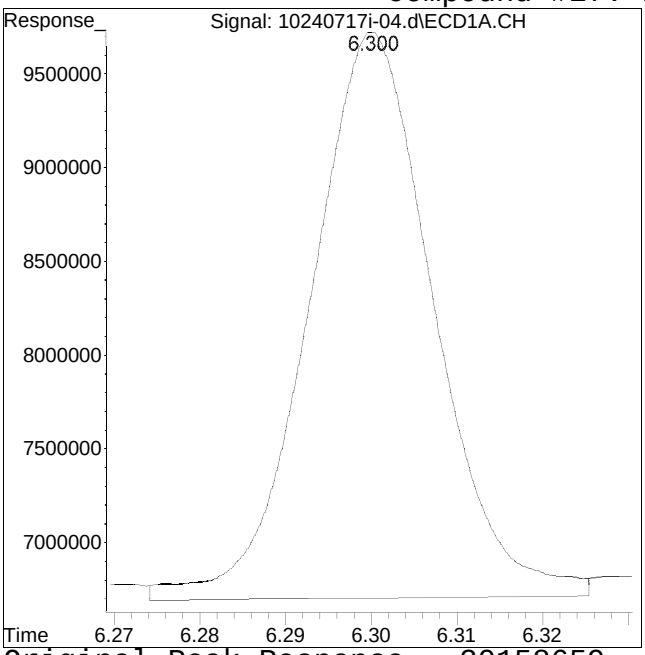
Manual Peak Response = 6482351 M4

M4 = Poor automated baseline construction.

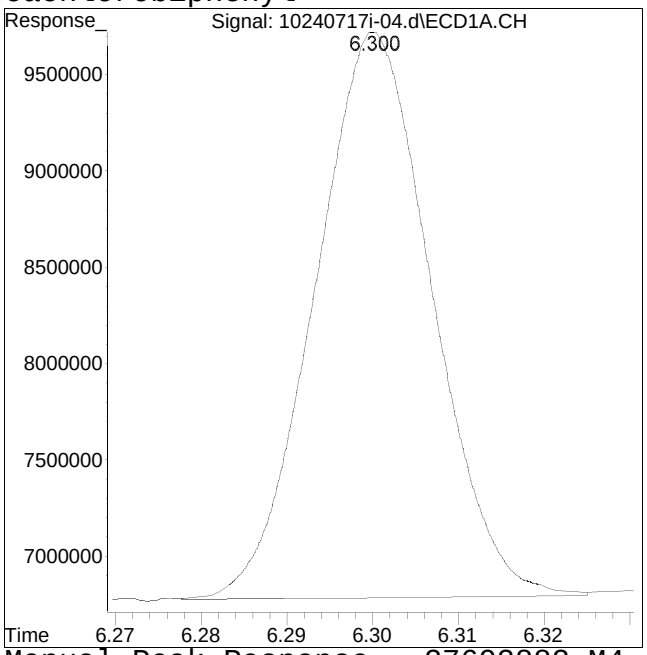
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-04.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:20 pm Instrument : Pest 10
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/18/2024 10:50 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 30158659



Manual Peak Response = 27692882 M4

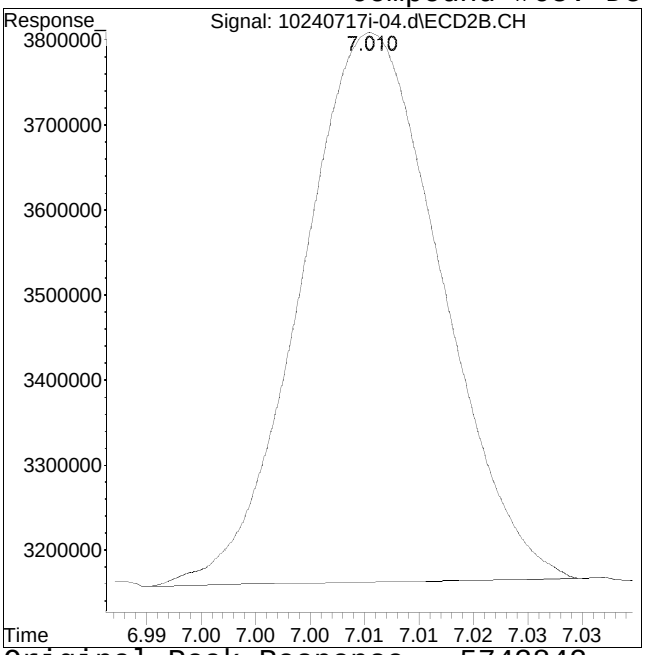
M4 = Poor automated baseline construction.

Manual Integration Report

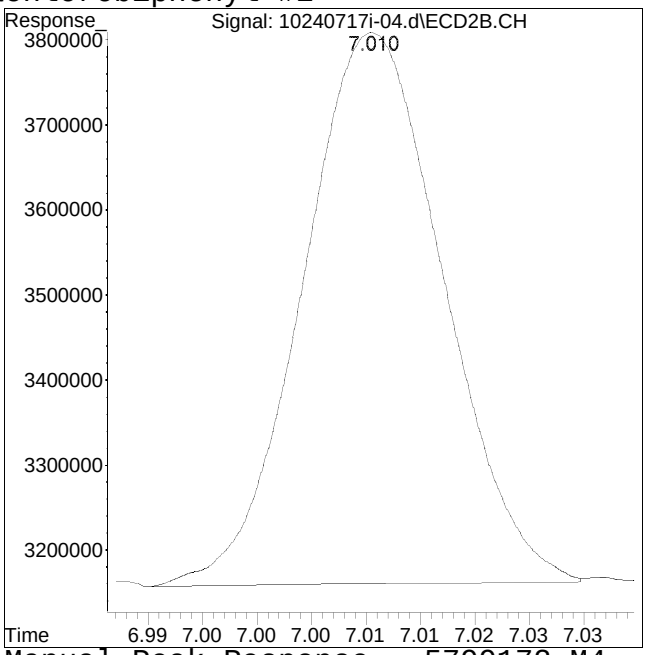
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-04.d
Date Inj'd : 7/17/2024 12:20 pm
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:50 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 5743842



Manual Peak Response = 5799172 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:31 pm
Operator : PEST10:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:32:08 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:31:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.318	1.434	508.7E6	117.1E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.662	1.926	50964940	11000342	2.276M4	2.392
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.55%#	4.78%#
27) s	Decachlorobi	6.300	7.010	56077183	11753305	2.573M4	2.771M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.15%#	5.54%#
	Target Compounds						
3) t	Hexachlorobe	1.876	2.256	55181242	12750860	2.311M4	2.501
4) t	alpha-BHC	1.975	2.355	65306890	13780011	1.985M4	2.101
5) t	gamma-BHC (l	2.177	2.648	63532707	13504758	2.025M3	2.152M4
6) t	beta-BHC	2.233	2.713	31173126	7331584	2.359M4	2.541M4
7) t	delta-BHC	2.362	2.987	62963055	13607803	2.020M4	2.175
8) t	Heptachlor	2.524	3.056	65022332	14504011	2.249M4	2.400M4
9) t	Aldrin	2.767	3.383	60076527	12771880	2.172M4	2.280
10) t	Alachlor	2.889	3.260	11031111	2749807	2.736M4	2.814M4
11) t	Chlorpyrifos	2.980	3.621	34148030	8824982	2.674M4	2.856M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:31 pm
Operator : PEST10:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:32:08 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:31:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.313	4.010	60591720	13574743	2.339M4	2.456M4
13)	t	gamma-Chlord	3.437	4.234	54351596	11973420	2.249M4	2.411
14)	t	alpha-Chlord	3.572	4.398	63107620	13548221	2.291	2.407
15)	t	4,4'-DDE	3.667	4.586	59014380	12228701	2.193M4	2.280M4
16)	t	Endosulfan I	3.708	4.457	57877159	12739887	2.350M4	2.450M4
17)	t	Dieldrin	3.968	4.742	58575146	12223970	2.262M4	2.335M4
18)	t	Endrin	4.223	5.034	60495430	12607551	2.279M4	2.364M4
19)	t	4,4'-DDD	4.333	5.149	48593648	9965331	2.216	2.324M4
20)	t	Endosulfan I	4.463	5.228	55877023	11923166	2.370M4	2.464M4
21)	t	4,4'-DDT	4.625	5.423	55128890	11012719	2.244	2.323M4
22)	t	Endrin Aldeh	4.881	5.520	46775301	10048182	2.402M4	2.494M4
23)	t	Methoxychlor	5.112	5.980	34791379	6991633	2.627M4	2.671M4
24)	t	Mirex	5.168	6.124	52520987	11687379	2.554M4	2.779M4
25)	t	Endosulfan S	5.273	5.747	54238672	11778568	2.388M4	2.514M4
26)	t	Endrin Keton	5.501	6.157	62263159	12720105	2.451	2.502
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:31 pm
Operator : PEST10:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:32:08 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:31:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

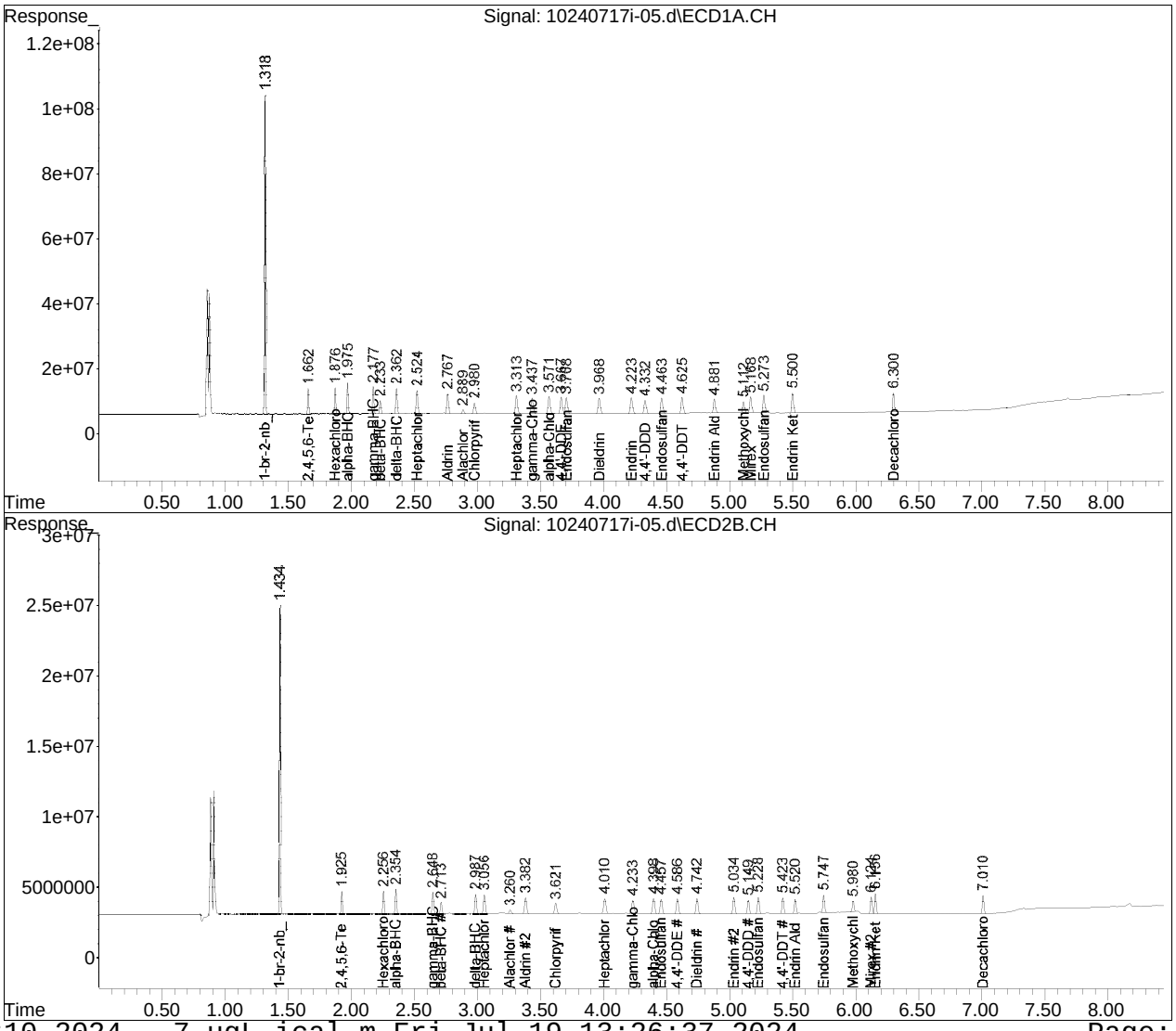
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:31 pm
Operator : PEST10:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:32:08 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:31:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

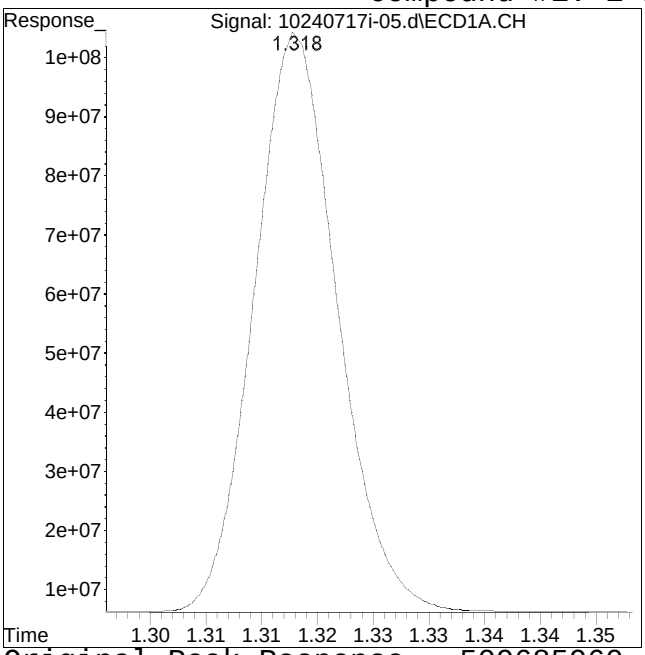
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

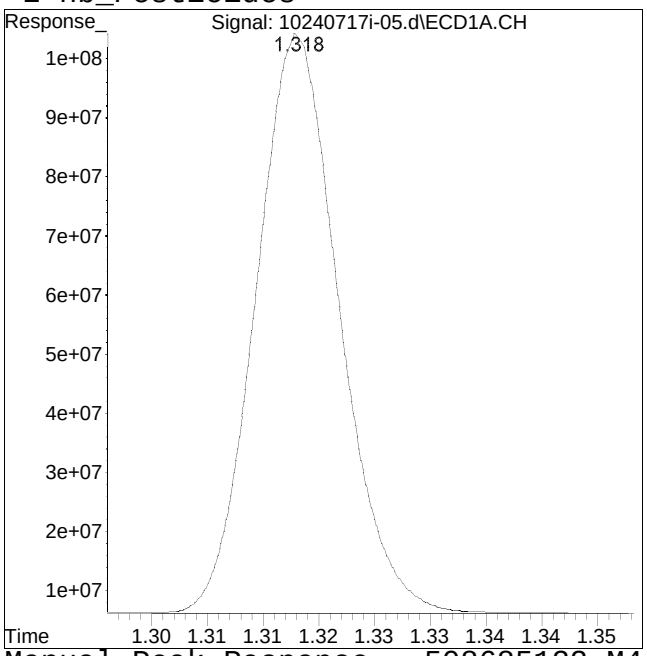


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #1: 1-br-2-nb_Pesticides



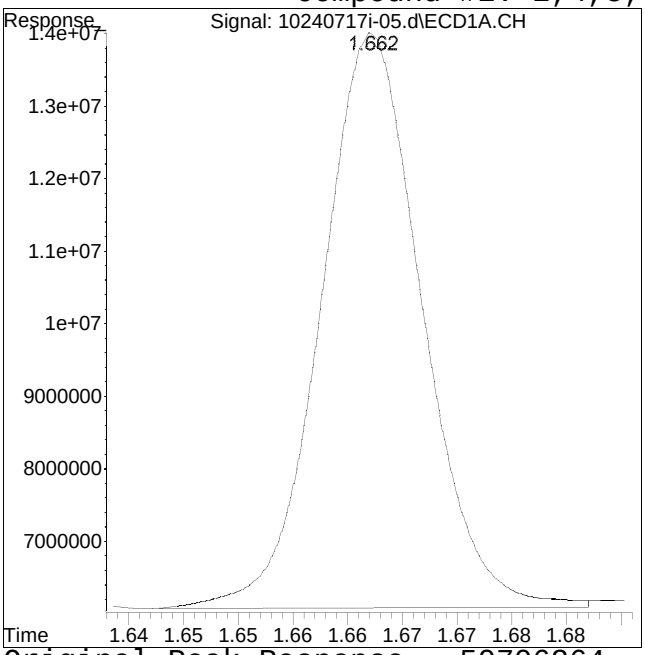


Original Peak Response = 509685960 Manual Peak Response = 508685122 M4
M4 = Poor automated baseline construction.

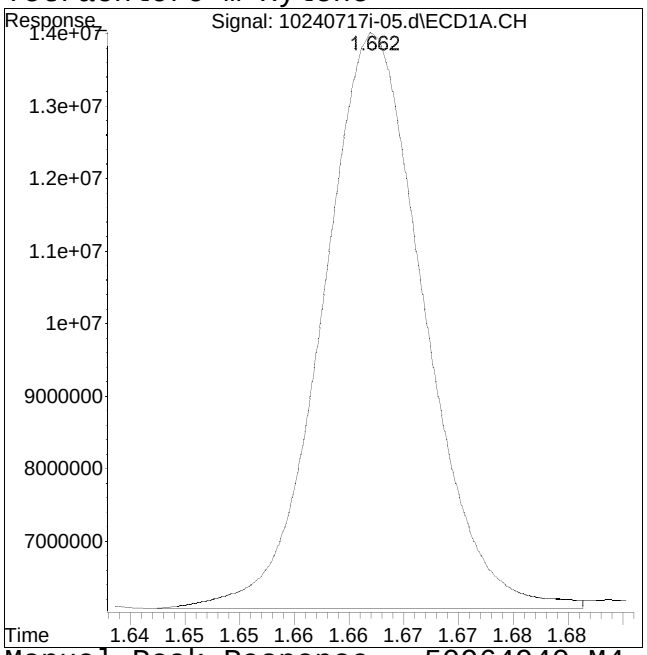
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 50706264



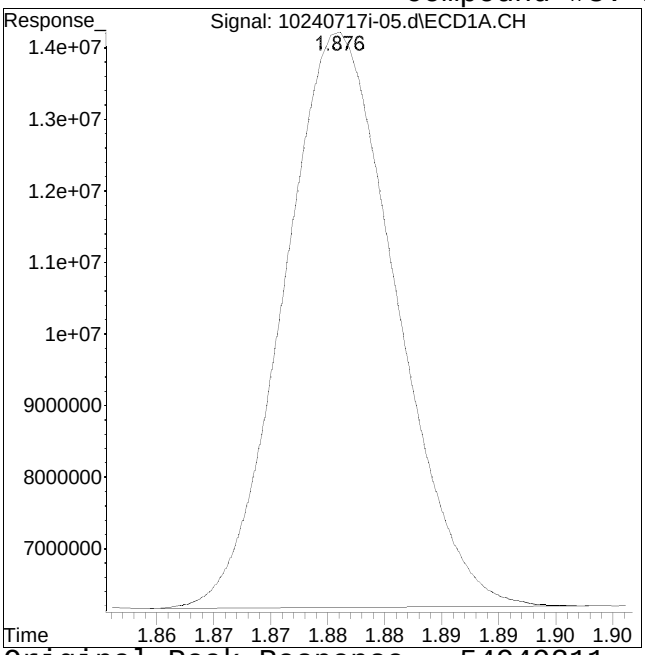
Manual Peak Response = 50964940 M4

M4 = Poor automated baseline construction.

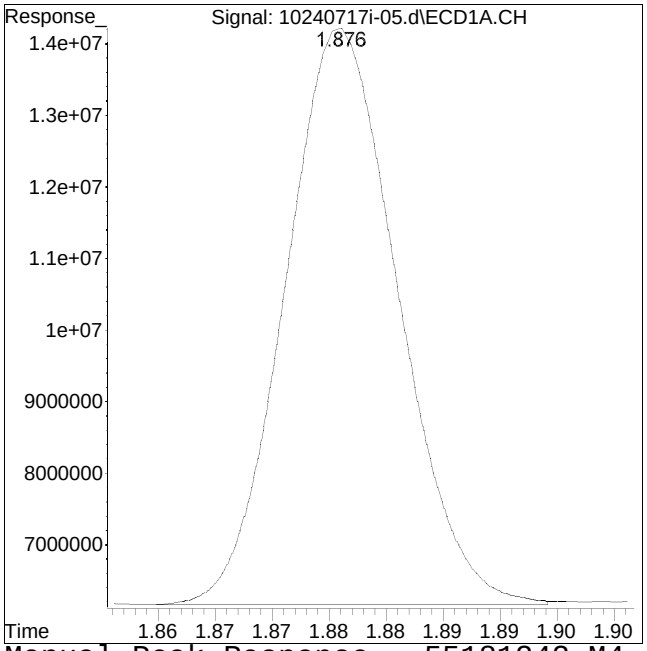
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #3: Hexachlorobenzene



Original Peak Response = 54949211



Manual Peak Response = 55181242 M4

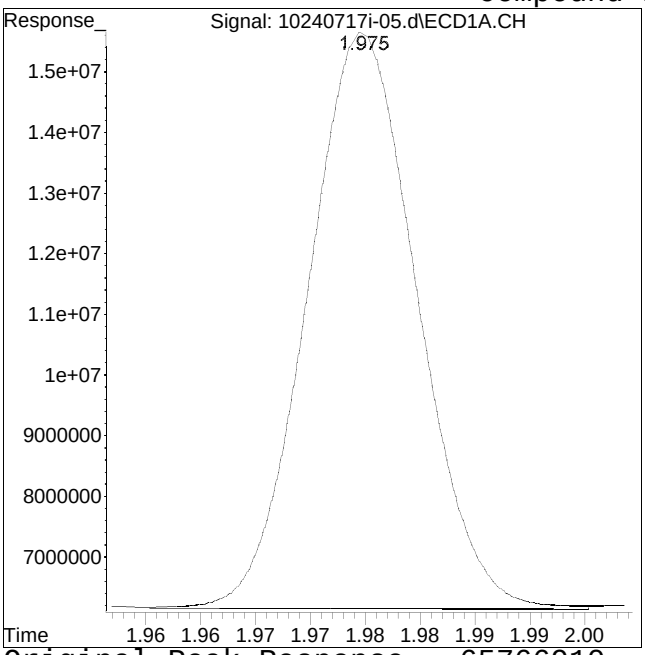
M4 = Poor automated baseline construction.

Manual Integration Report

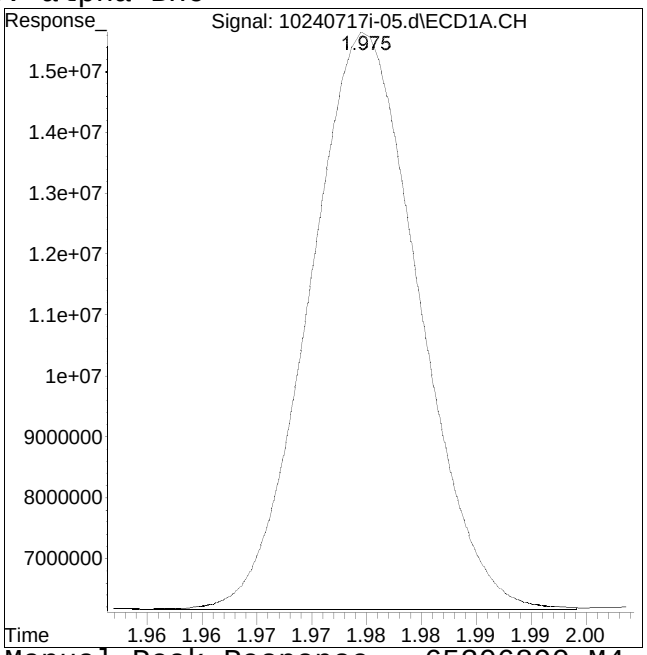
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-05.d
Date Inj'd : 7/17/2024 12:31 pm
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:32 am

Compound #4: alpha-BHC



Original Peak Response = 65766910



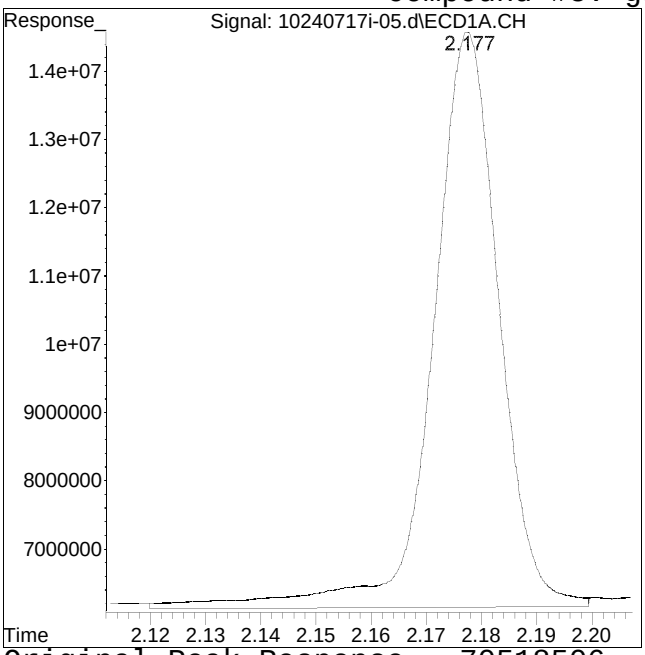
Manual Peak Response = 65306890 M4

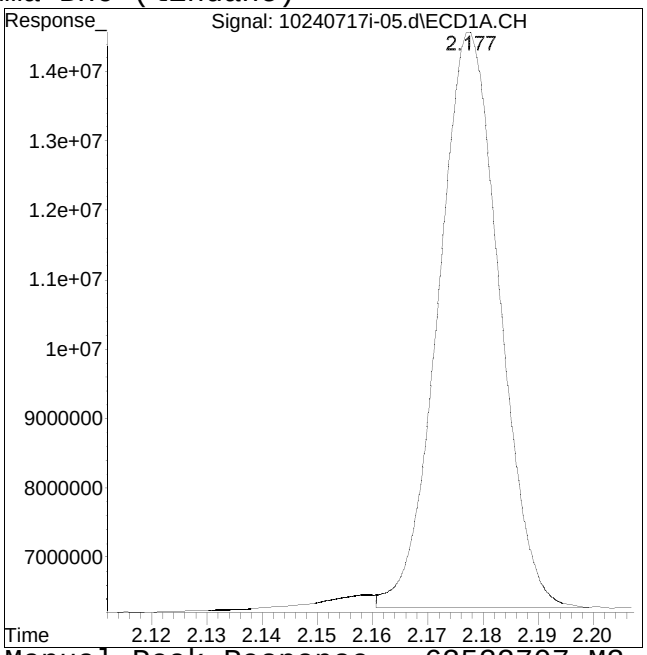
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #5: gamma-BHC (lindane)



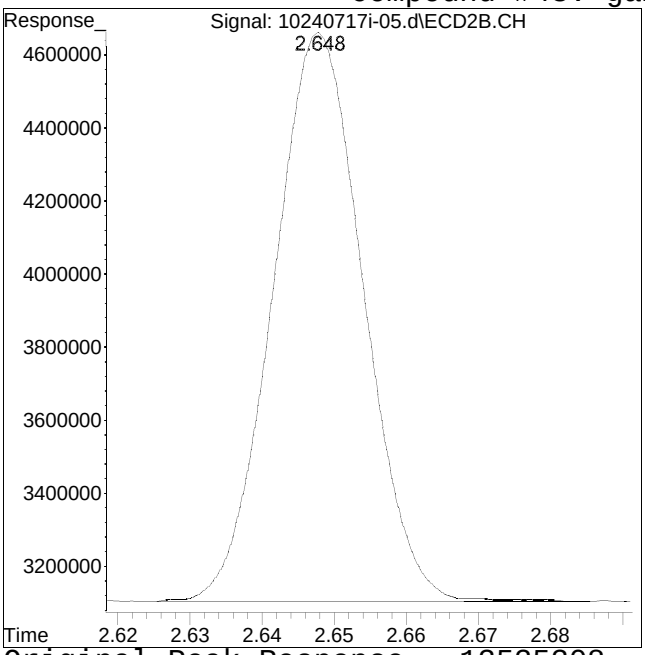


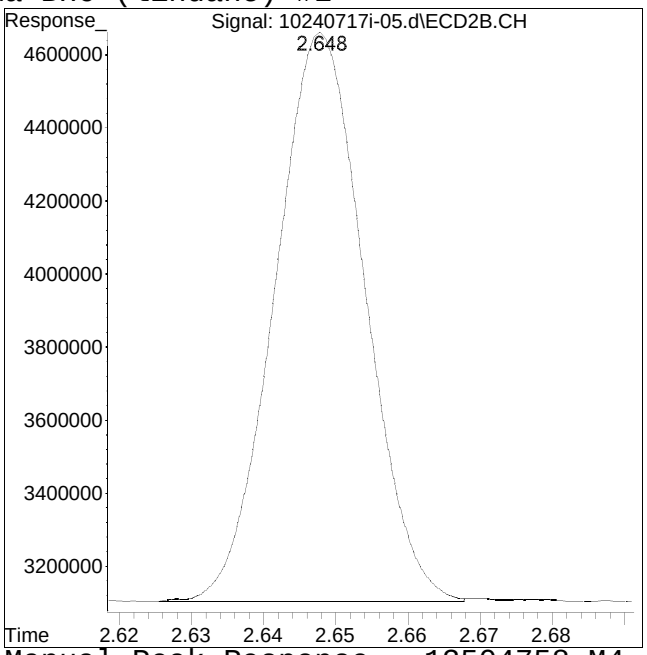
Original Peak Response = 70518506 Manual Peak Response = 63532707 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #43: gamma-BHC (lindane) #2





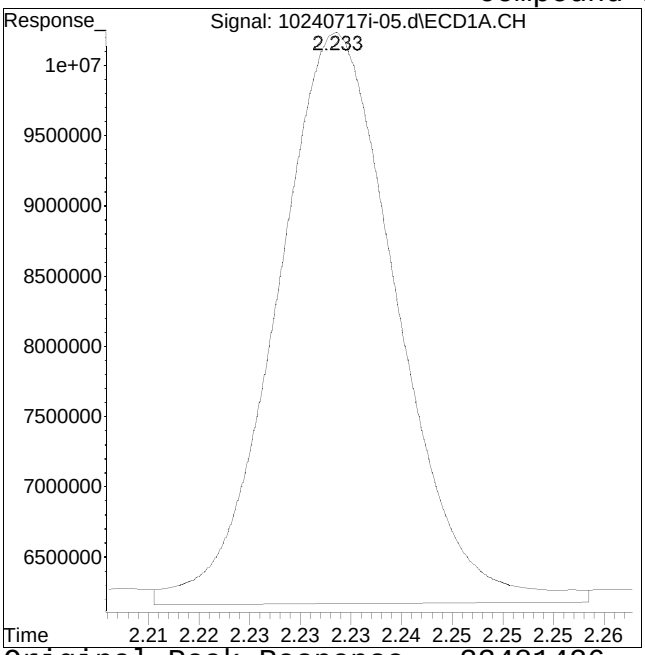
Original Peak Response = 13535308 Manual Peak Response = 13504758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

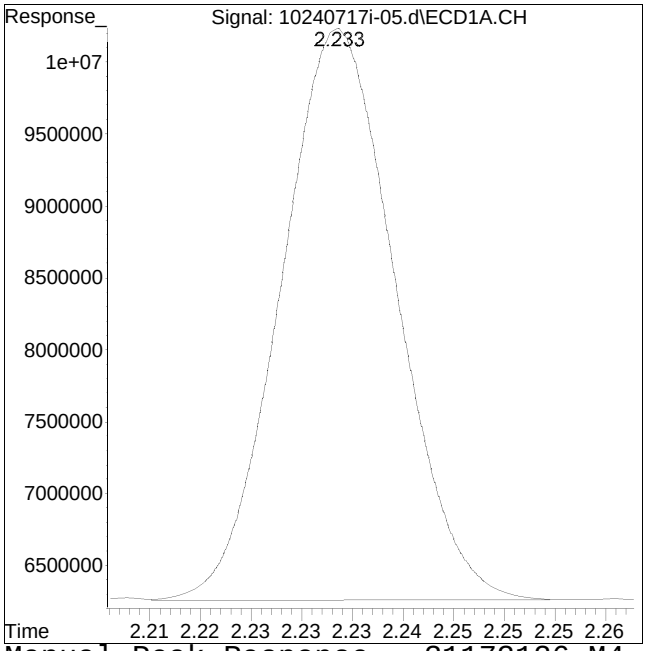
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-05.d
Date Inj'd : 7/17/2024 12:31 pm
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:32 am

Compound #6: beta-BHC



Original Peak Response = 33481426



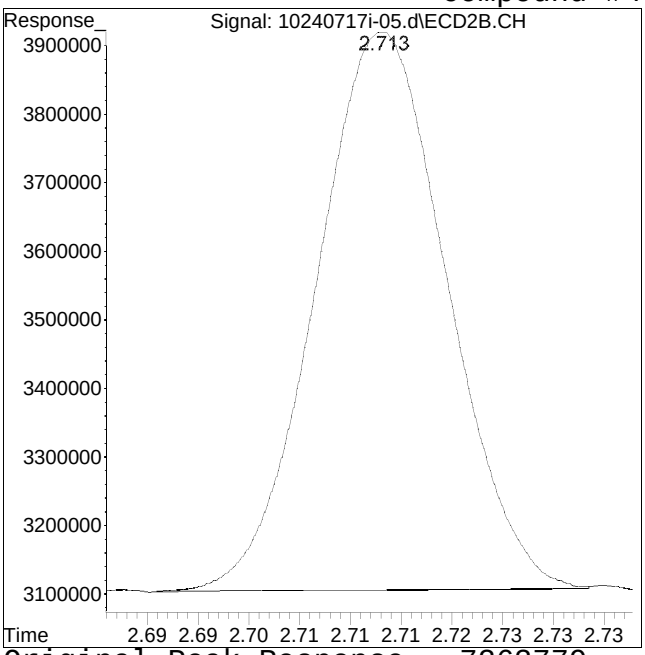
Manual Peak Response = 31173126 M4

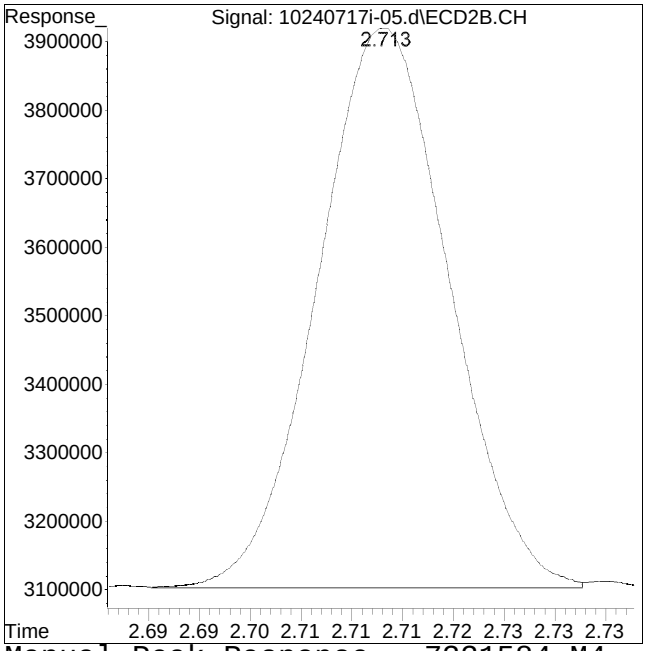
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #44: beta-BHC #2



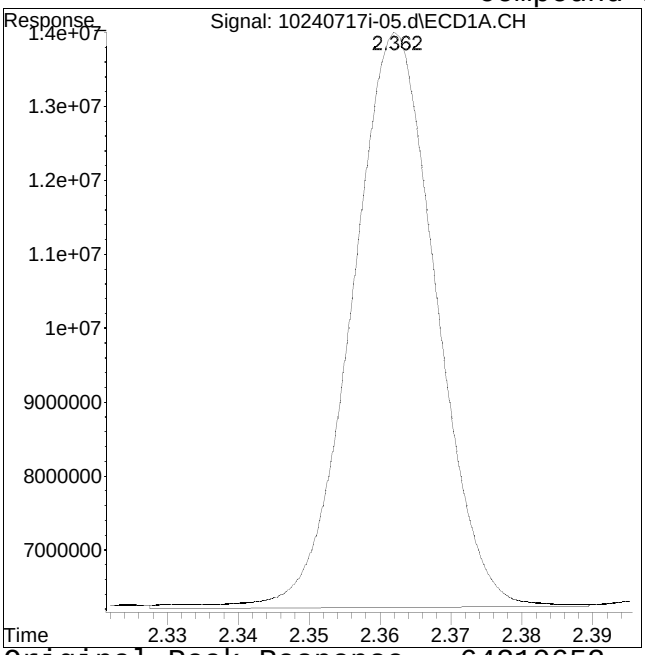


Original Peak Response = 7263779 Manual Peak Response = 7331584 M4
M4 = Poor automated baseline construction.

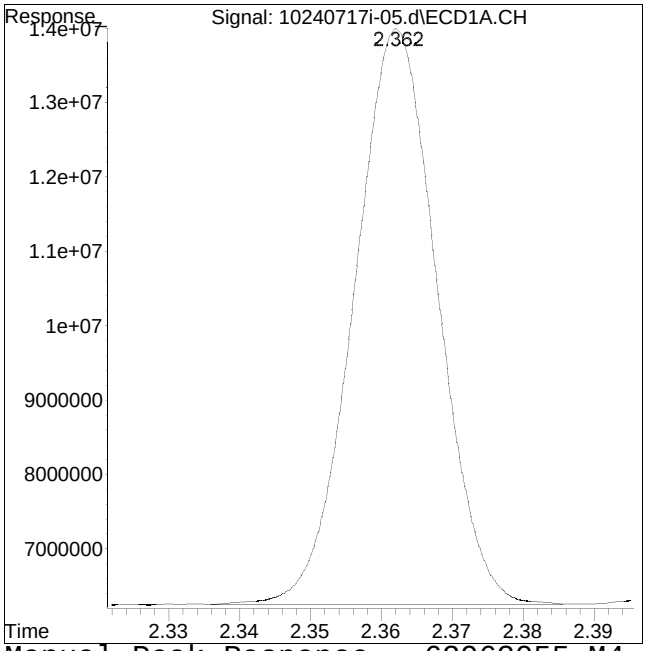
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #7: delta-BHC



Original Peak Response = 64210652



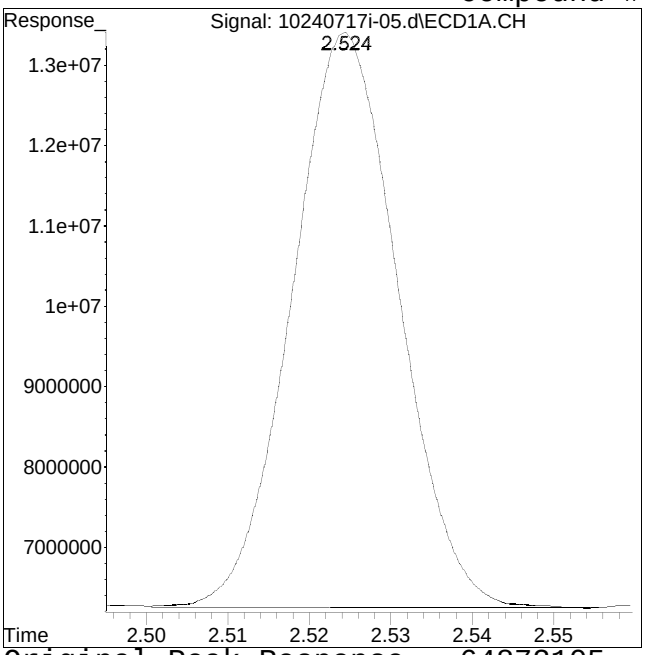
Manual Peak Response = 62963055 M4

M4 = Poor automated baseline construction.

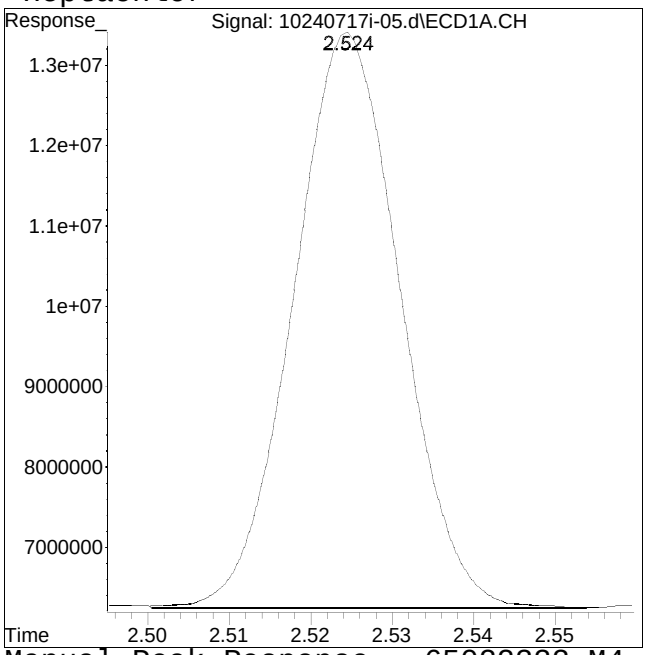
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #8: Heptachlor



Original Peak Response = 64872105



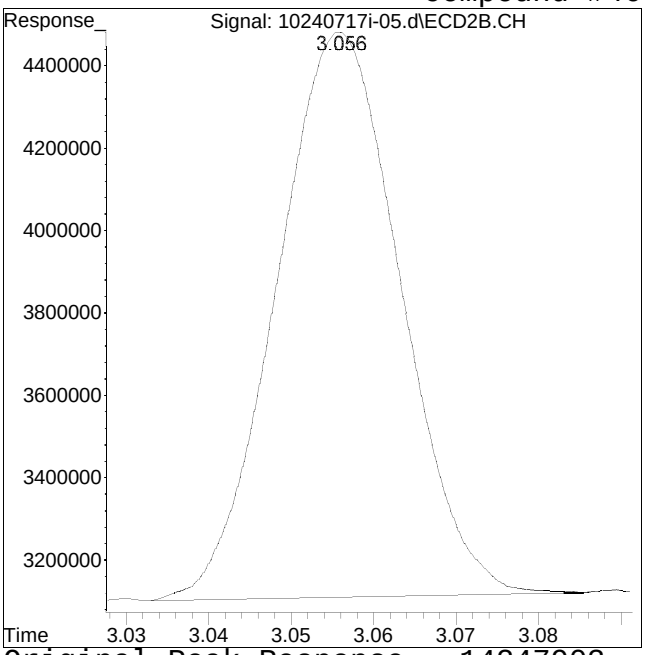
Manual Peak Response = 65022332 M4

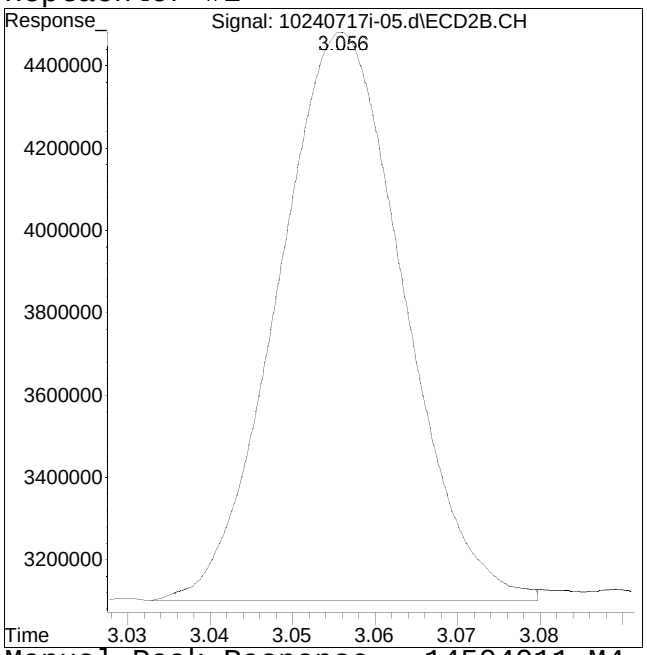
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #46: Heptachlor #2



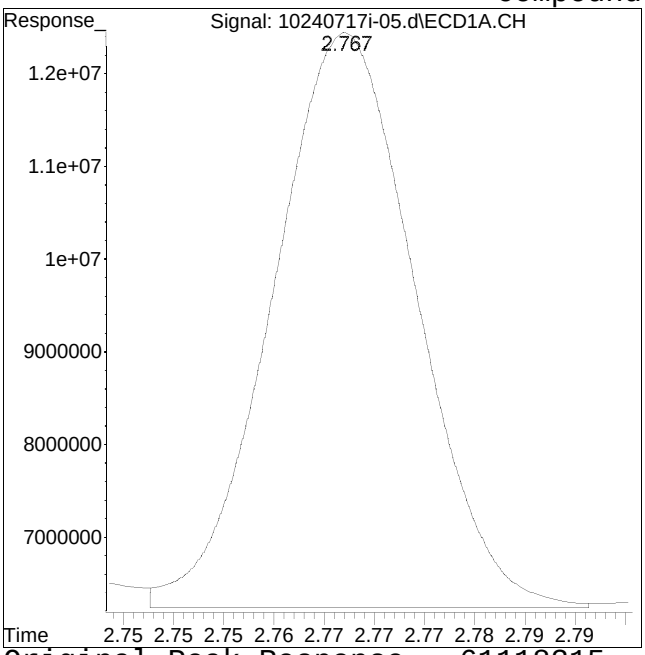


Original Peak Response = 14247903 Manual Peak Response = 14504011 M4
M4 = Poor automated baseline construction.

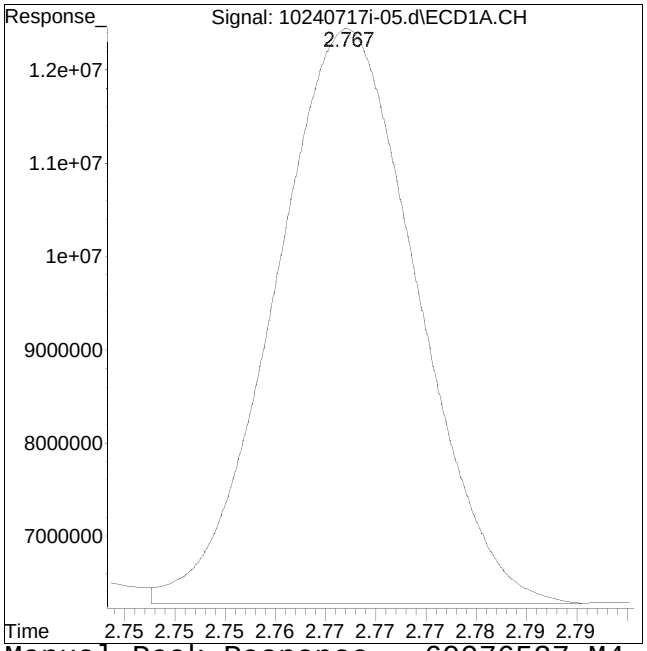
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #9: Aldrin



Original Peak Response = 61118315



Manual Peak Response = 60076527 M4

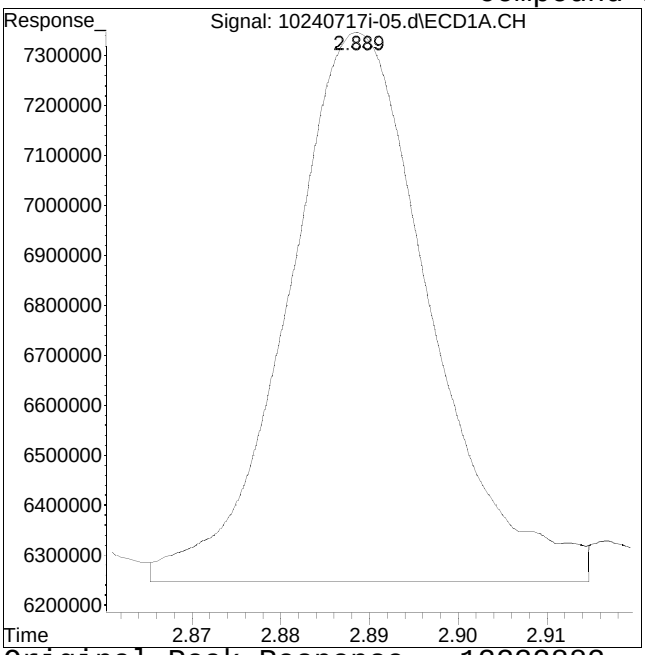
M4 = Poor automated baseline construction.

Manual Integration Report

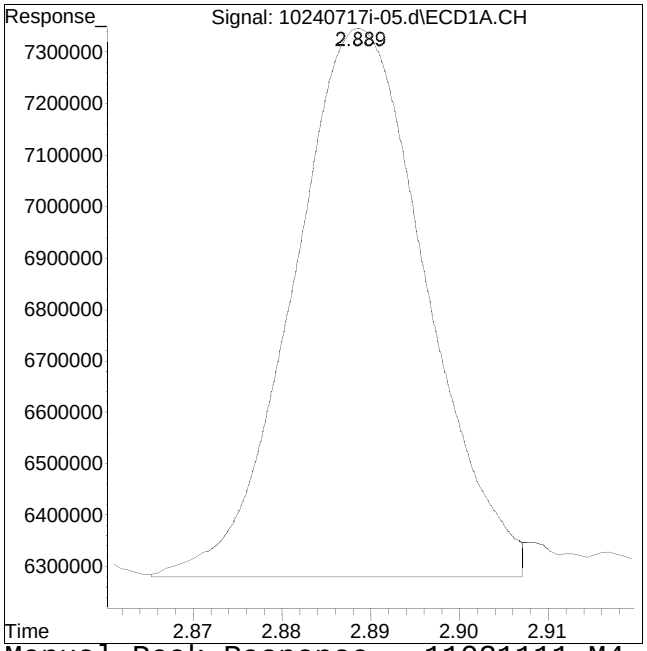
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-05.d
Date Inj'd : 7/17/2024 12:31 pm
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:32 am

Compound #10: Alachlor



Original Peak Response = 12232882



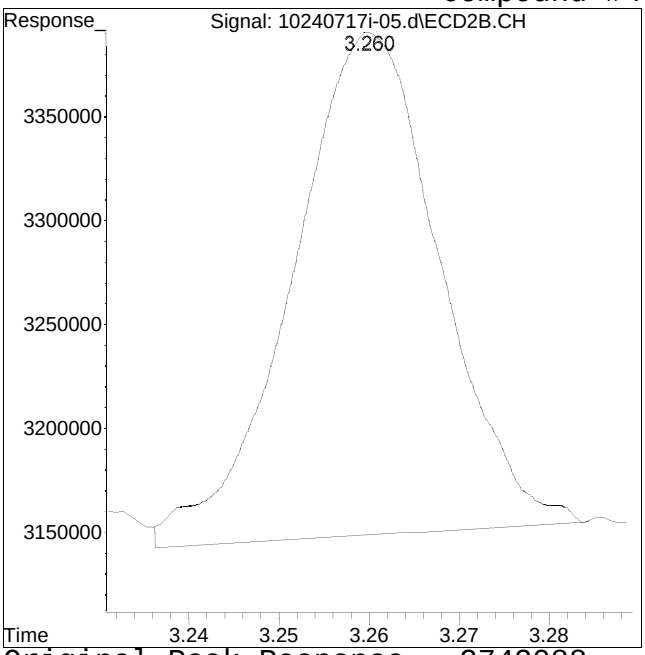
Manual Peak Response = 11031111 M4

M4 = Poor automated baseline construction.

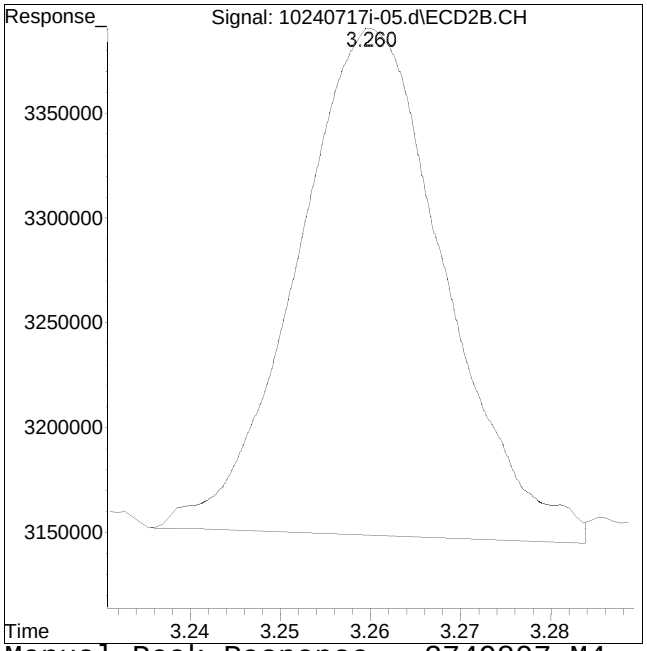
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #48: Alachlor #2



Original Peak Response = 2742088



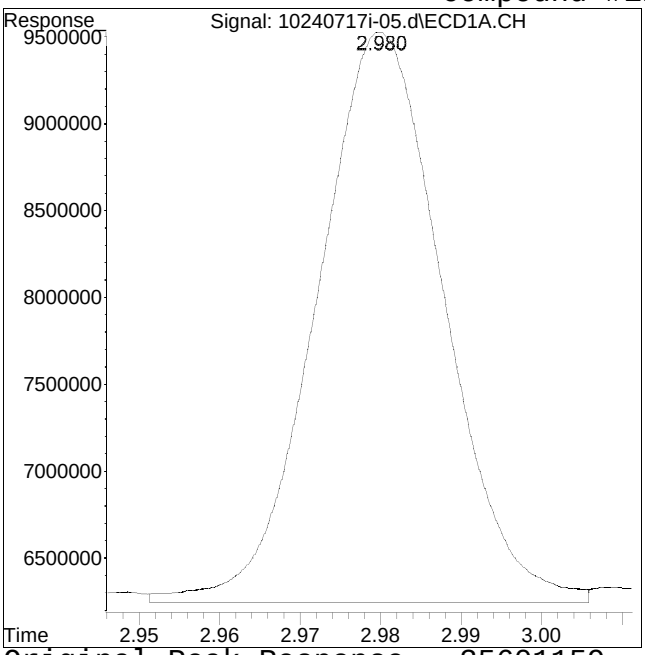
Manual Peak Response = 2749807 M4

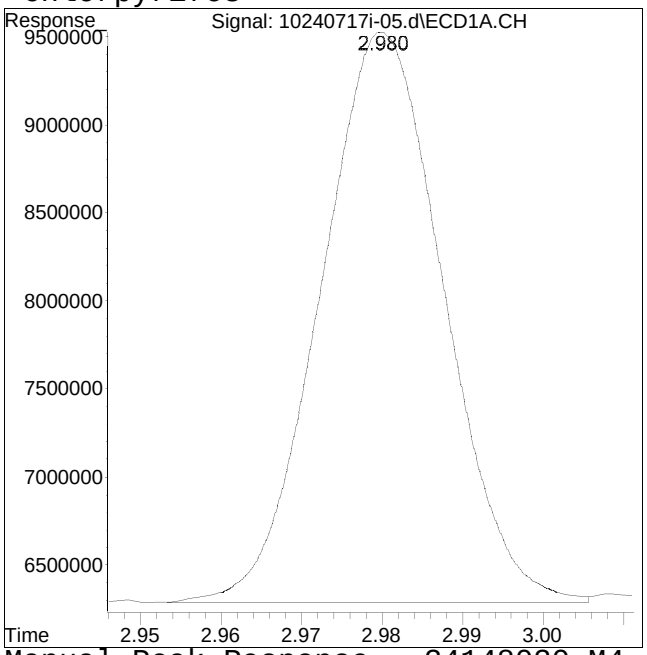
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #11: Chlorpyrifos



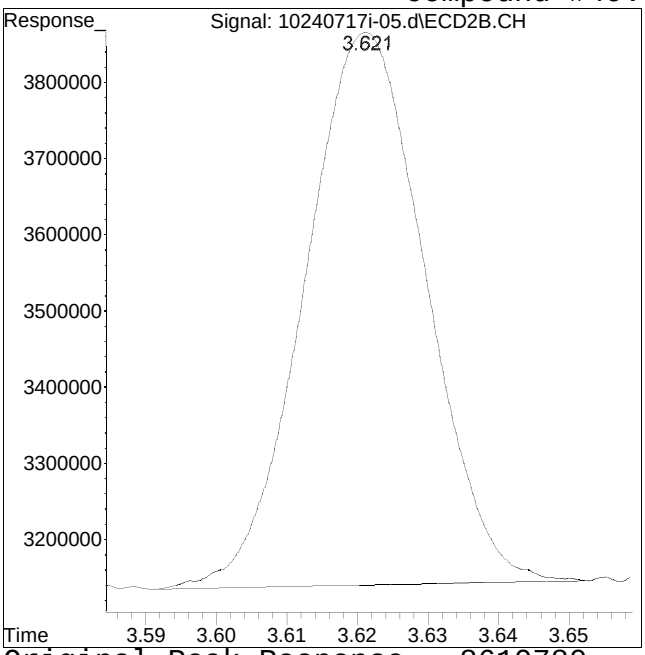


Original Peak Response = 35601159 Manual Peak Response = 34148030 M4
M4 = Poor automated baseline construction.

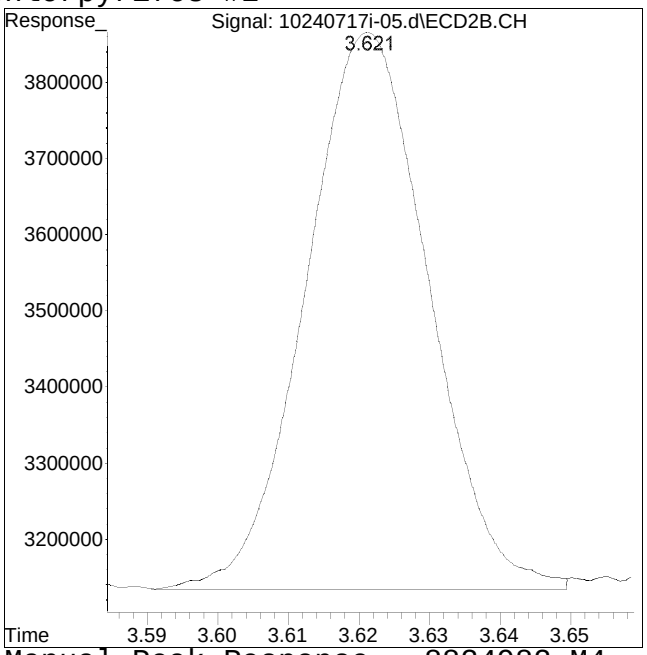
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 8610780



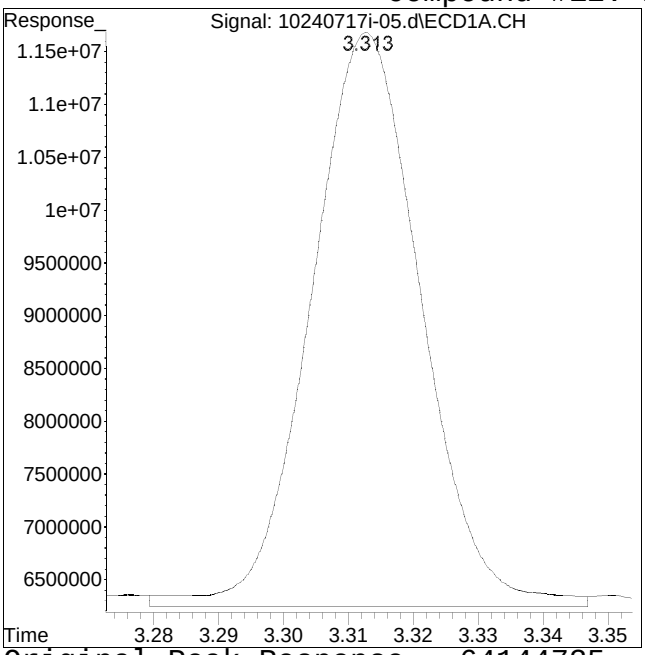
Manual Peak Response = 8824982 M4

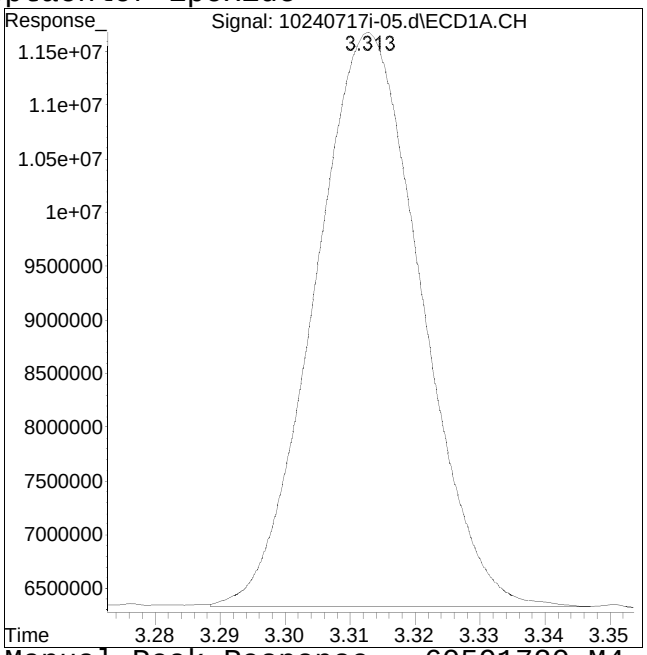
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #12: Heptachlor Epoxide



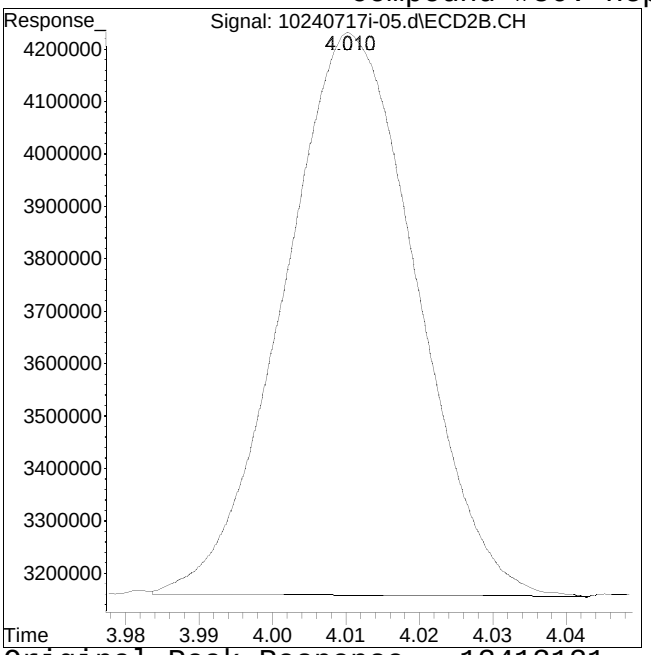


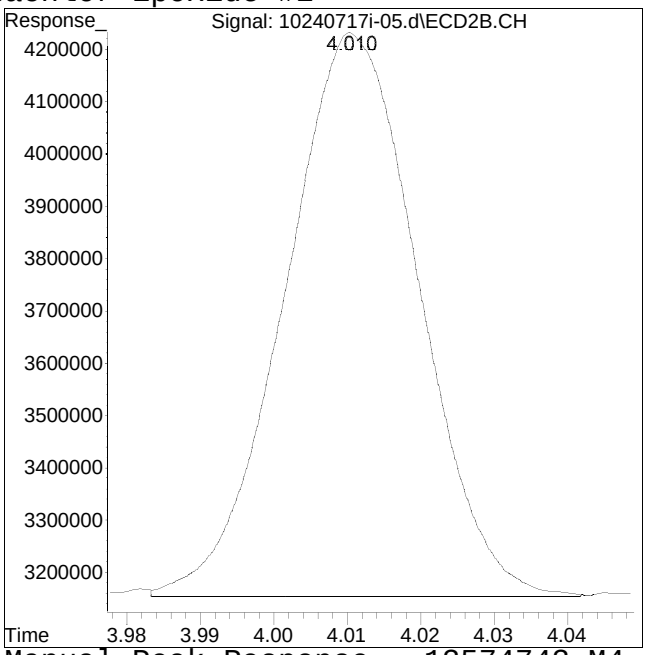
Original Peak Response = 64144735 Manual Peak Response = 60591720 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #50: Heptachlor Epoxide #2



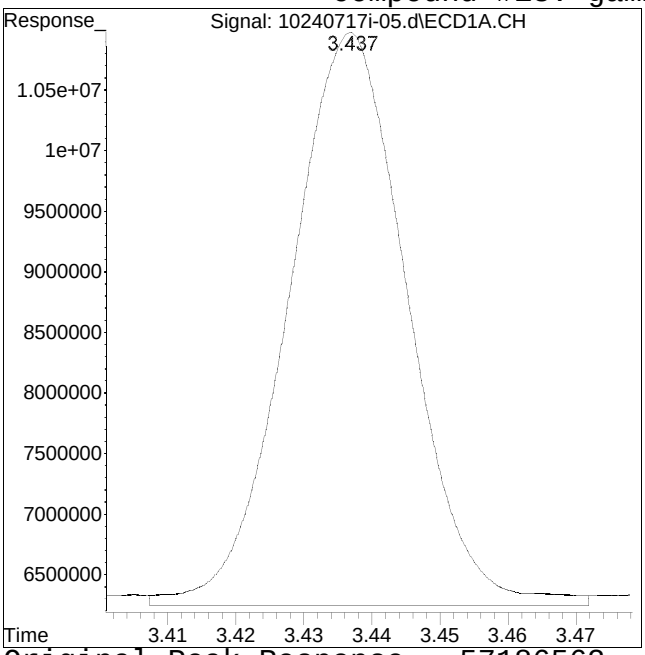


Original Peak Response = 13413131 Manual Peak Response = 13574743 M4
M4 = Poor automated baseline construction.

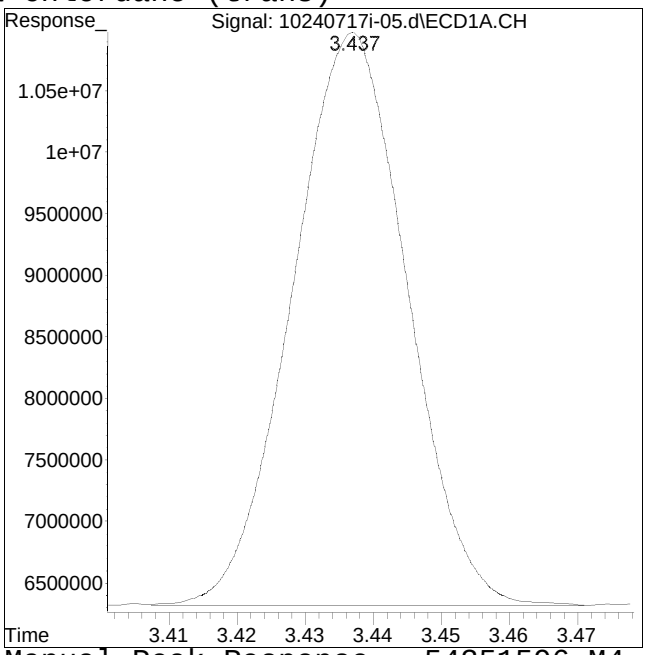
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 57186562



Manual Peak Response = 54351596 M4

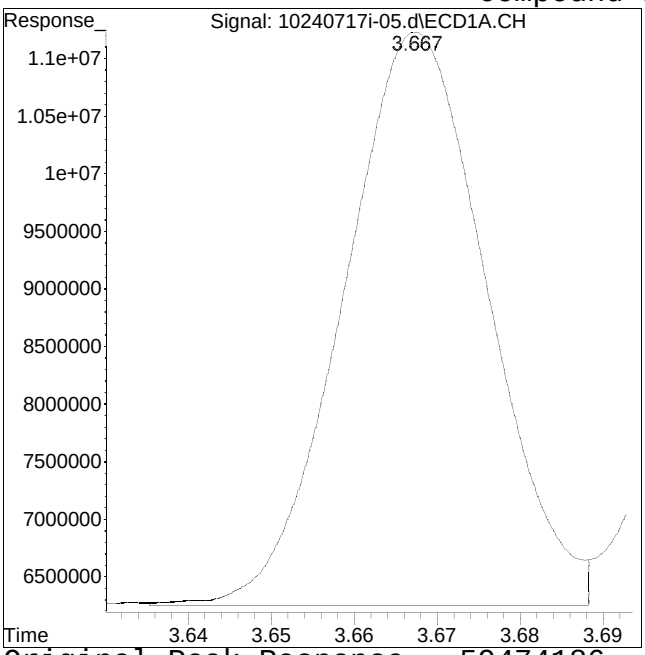
M4 = Poor automated baseline construction.

Manual Integration Report

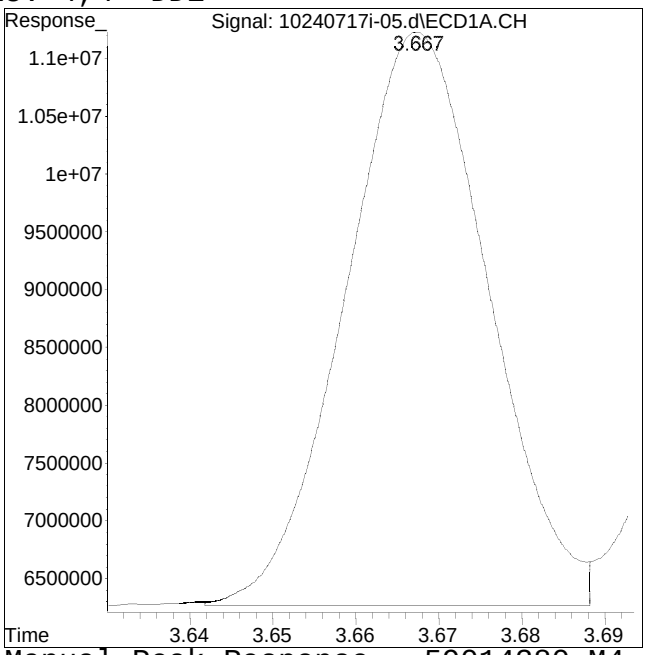
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-05.d
Date Inj'd : 7/17/2024 12:31 pm
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:32 am

Compound #15: 4,4'-DDE



Original Peak Response = 59474186



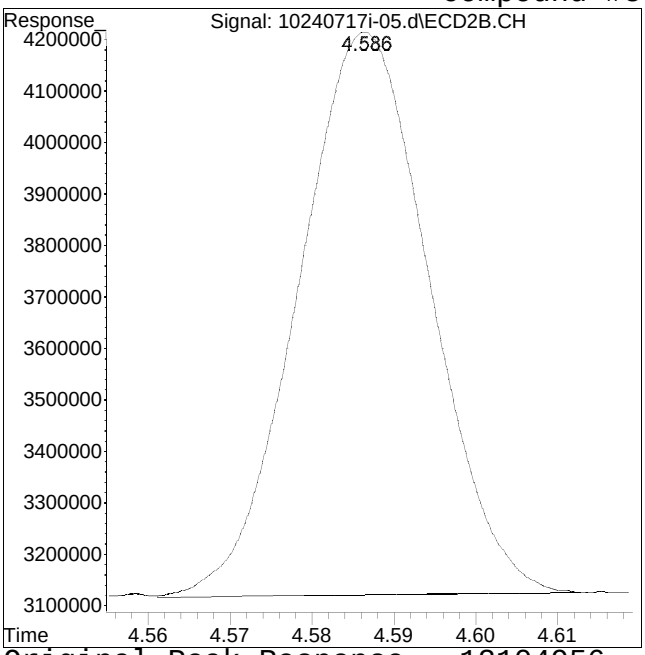
Manual Peak Response = 59014380 M4

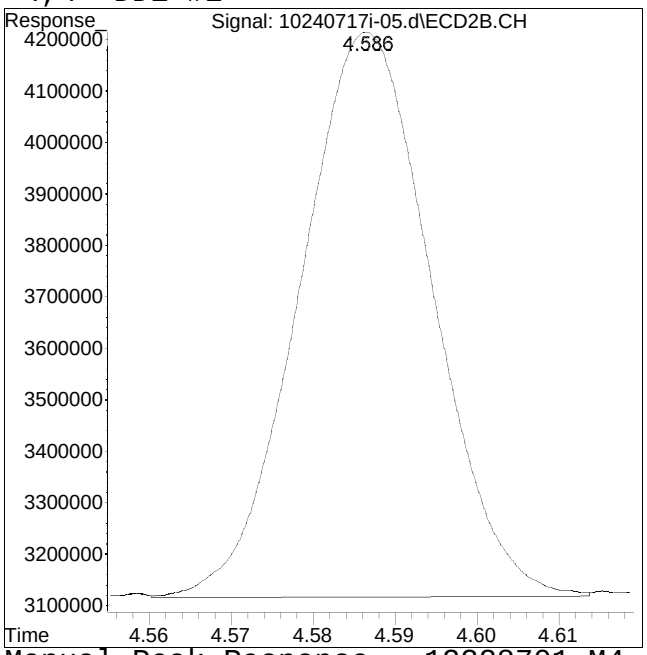
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #53: 4,4'-DDE #2



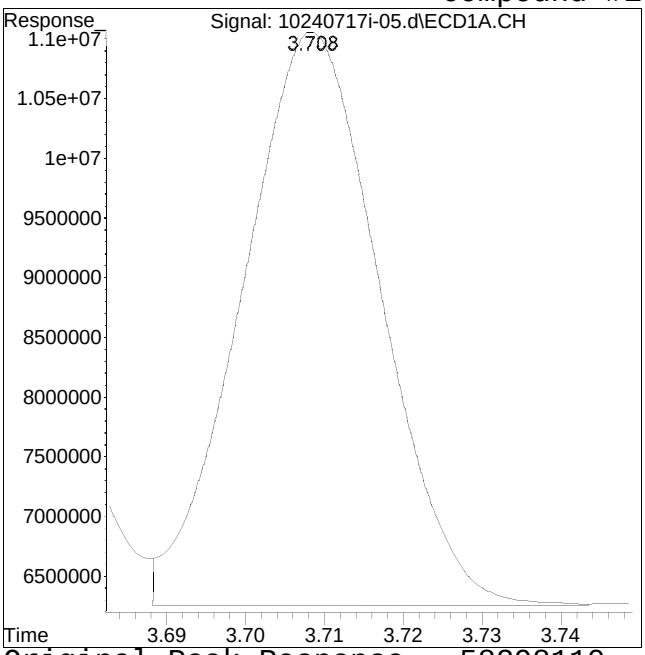


Original Peak Response = 12104956 Manual Peak Response = 12228701 M4
M4 = Poor automated baseline construction.

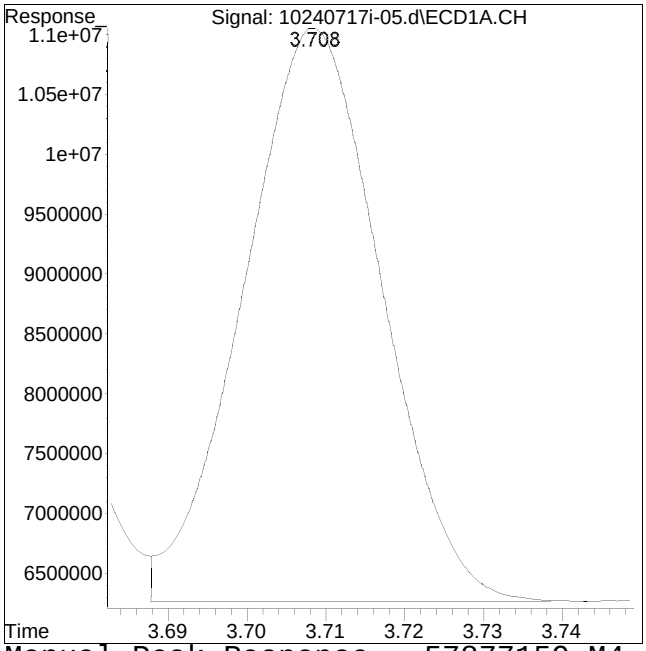
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #16: Endosulfan I



Original Peak Response = 58298110



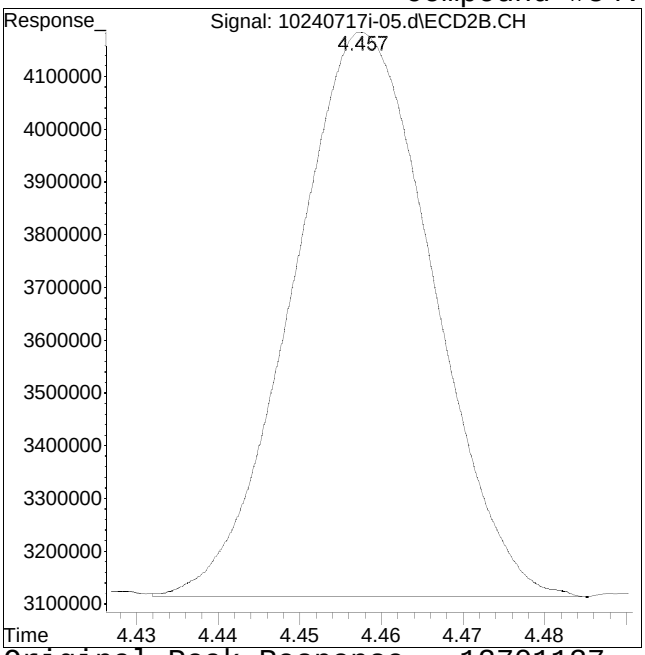
Manual Peak Response = 57877159 M4

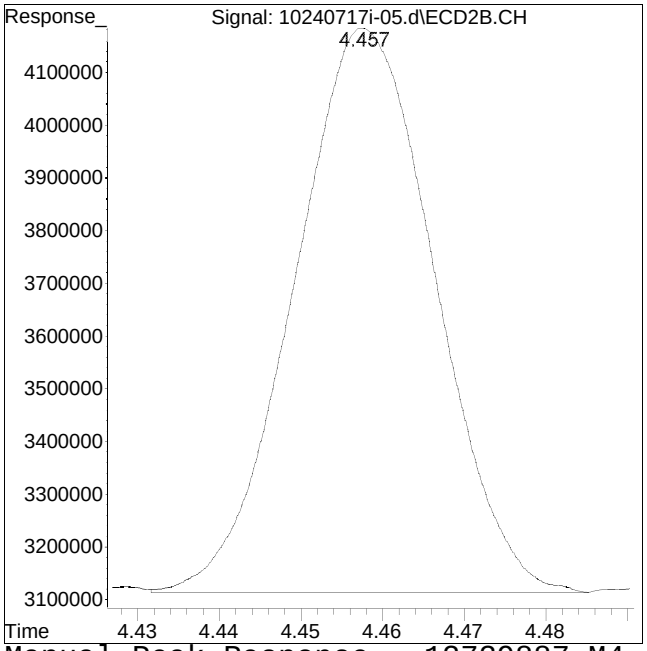
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #54: Endosulfan I #2



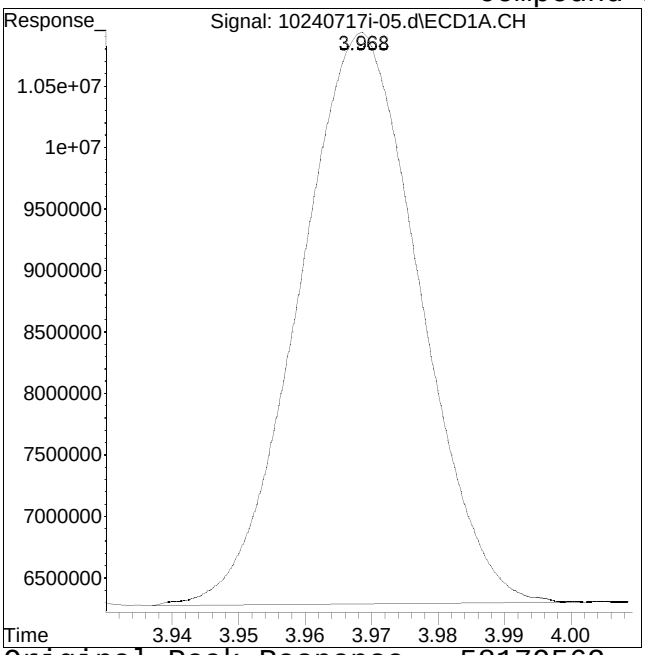


Original Peak Response = 12701137 Manual Peak Response = 12739887 M4
M4 = Poor automated baseline construction.

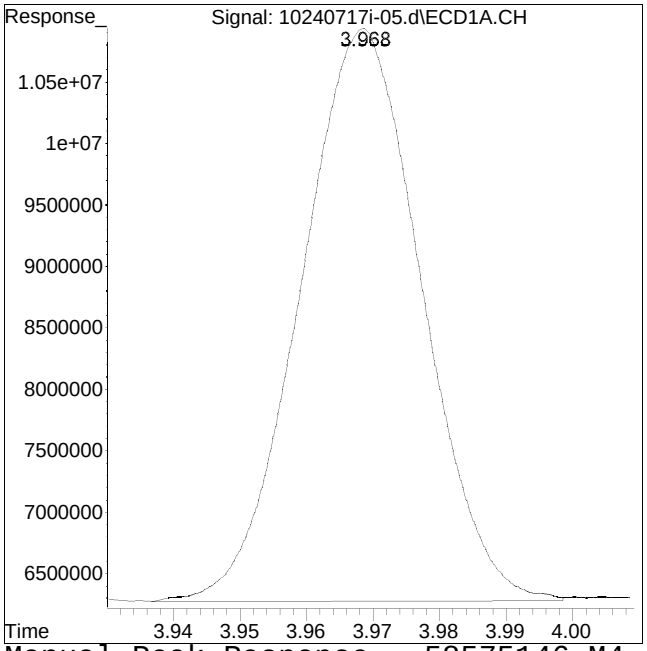
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #17: Dieldrin



Original Peak Response = 58179562



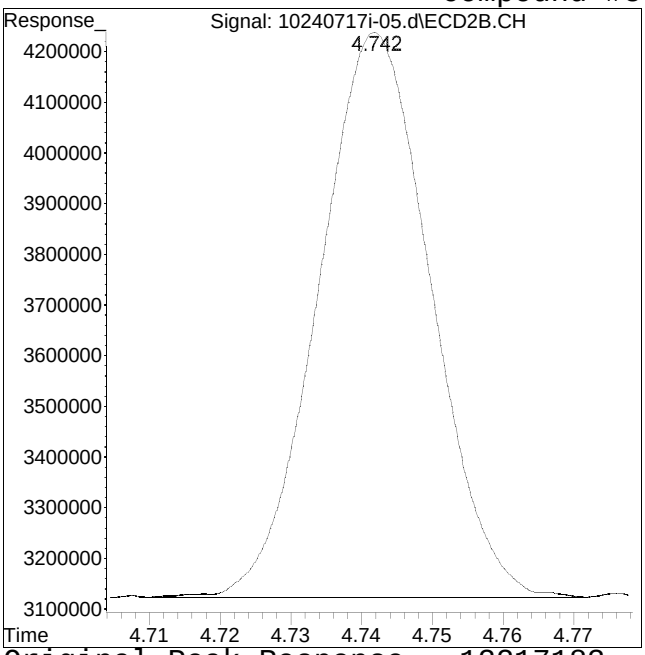
Manual Peak Response = 58575146 M4

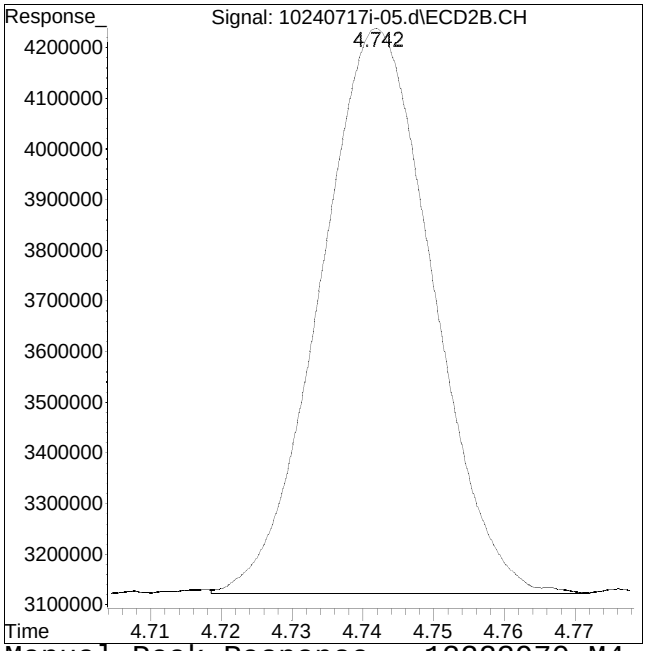
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #55: Dieldrin #2



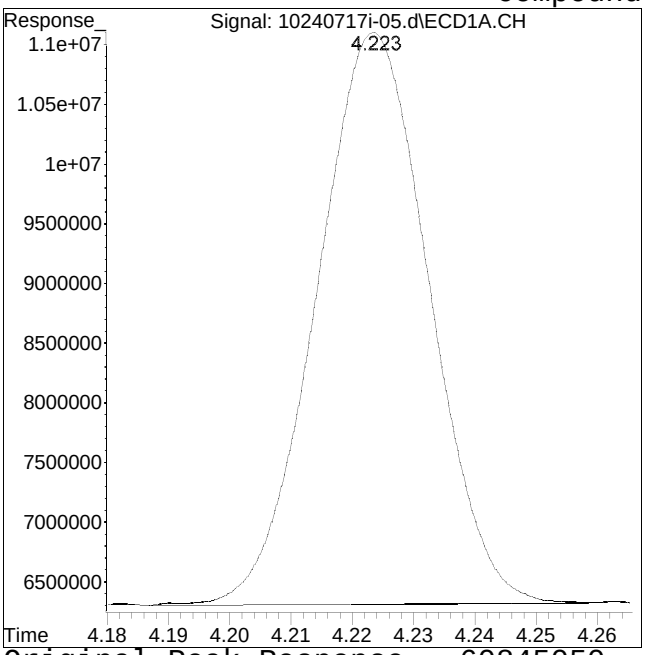


Original Peak Response = 12217183 Manual Peak Response = 12223970 M4
M4 = Poor automated baseline construction.

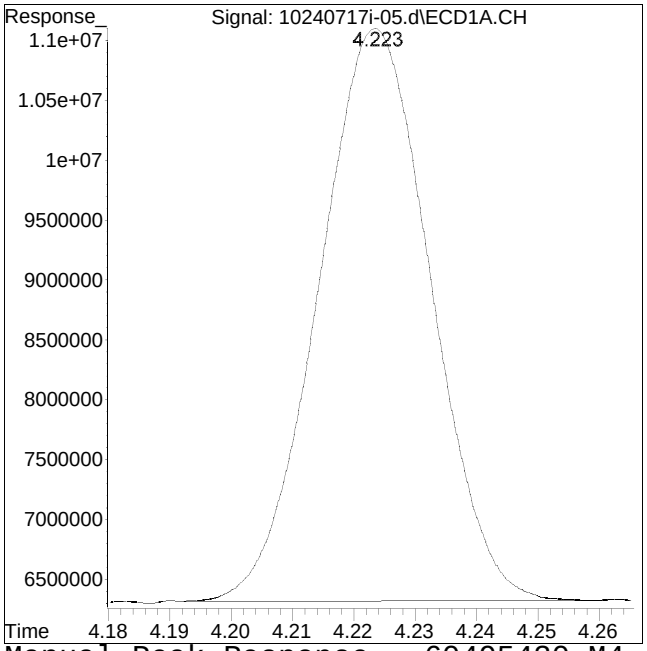
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #18: Endrin



Original Peak Response = 60845050



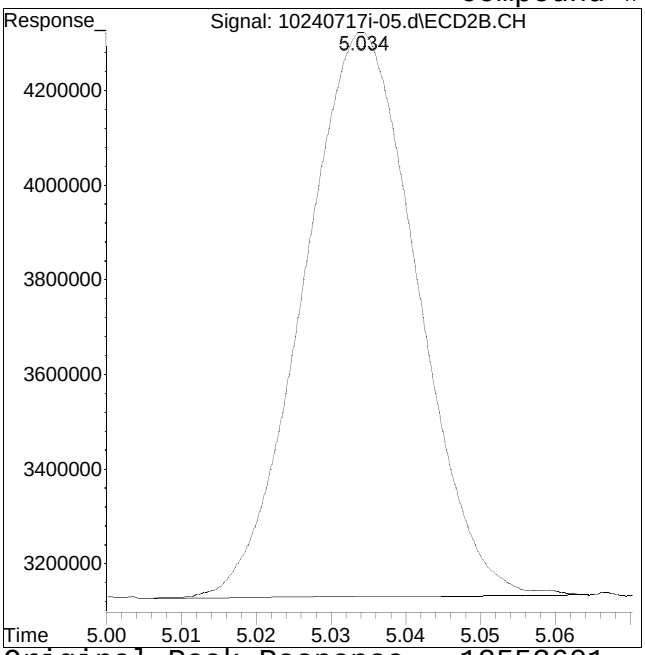
Manual Peak Response = 60495430 M4

M4 = Poor automated baseline construction.

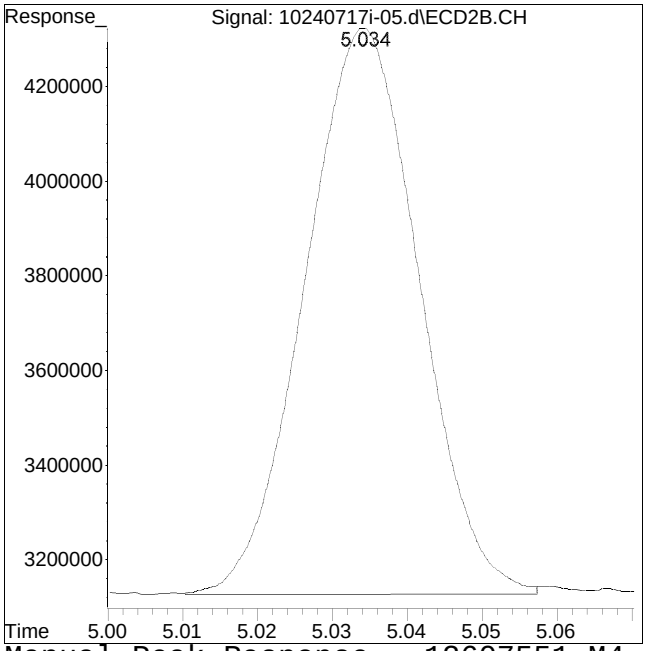
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #56: Endrin #2



Original Peak Response = 12553601



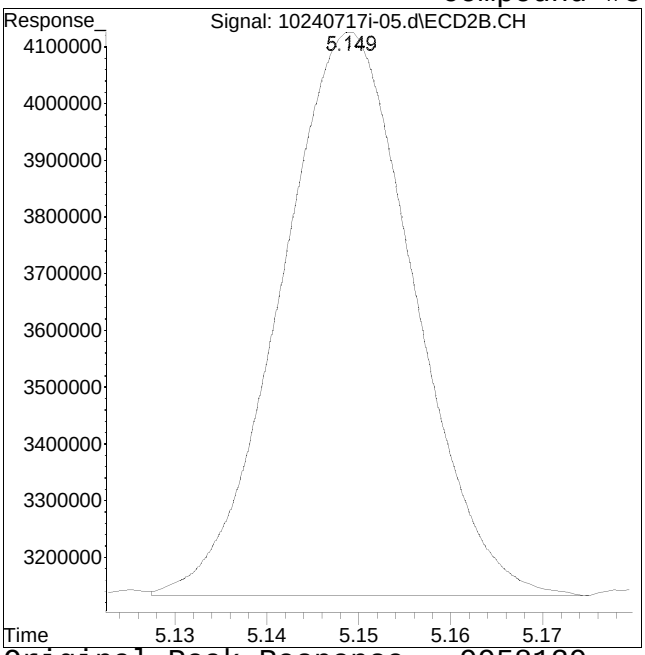
Manual Peak Response = 12607551 M4

M4 = Poor automated baseline construction.

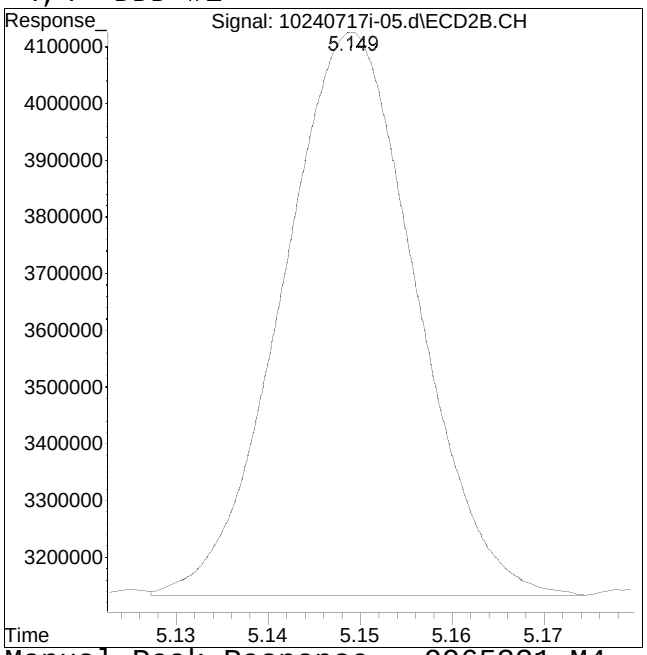
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 9958129



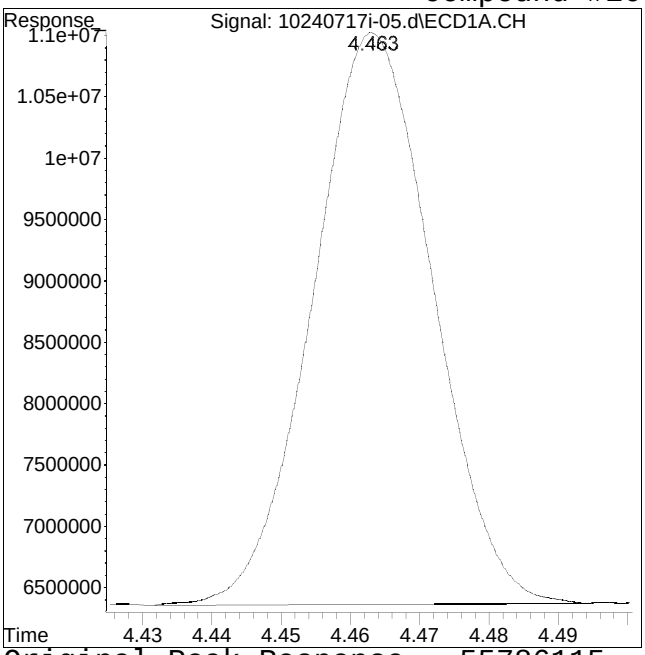
Manual Peak Response = 9965331 M4

M4 = Poor automated baseline construction.

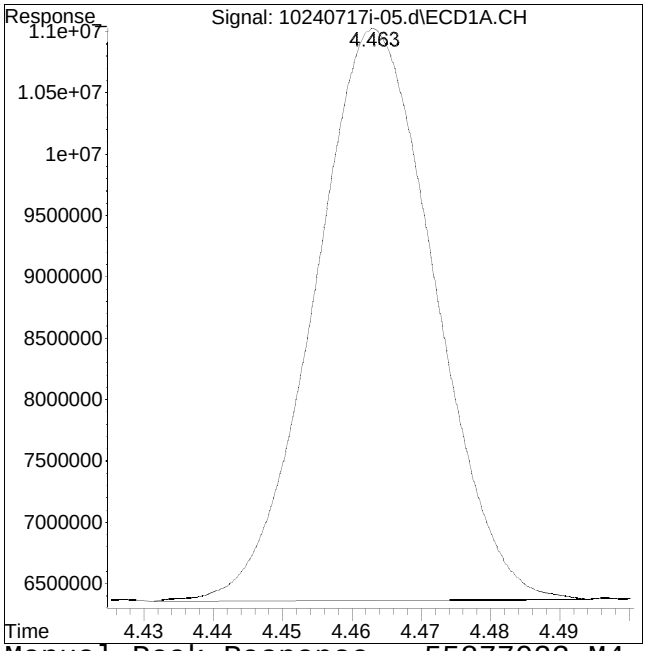
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #20: Endosulfan II



Original Peak Response = 55786115



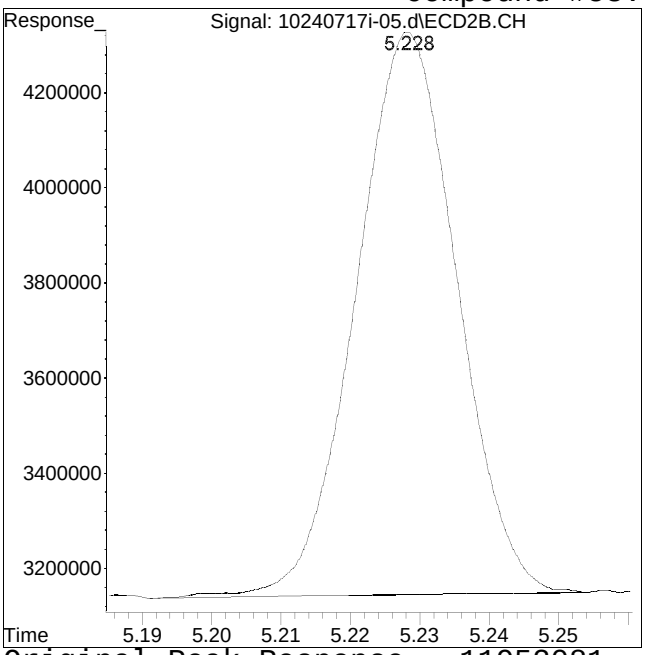
Manual Peak Response = 55877023 M4

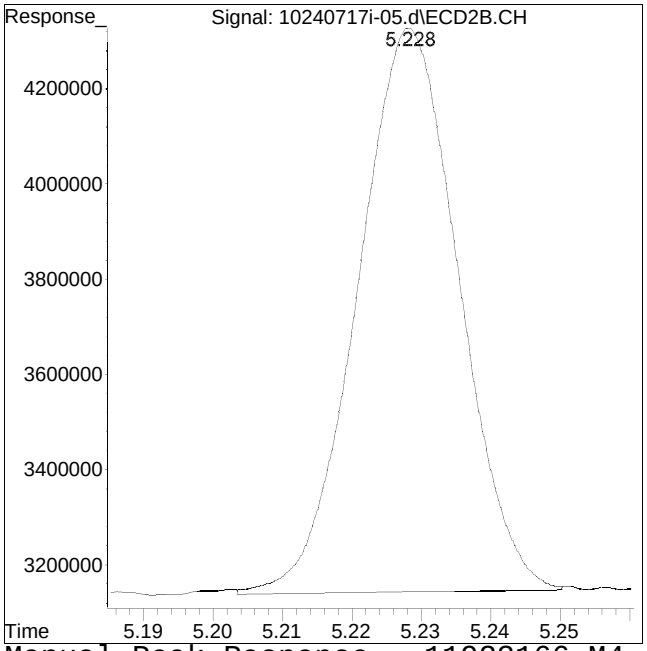
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #58: Endosulfan II #2



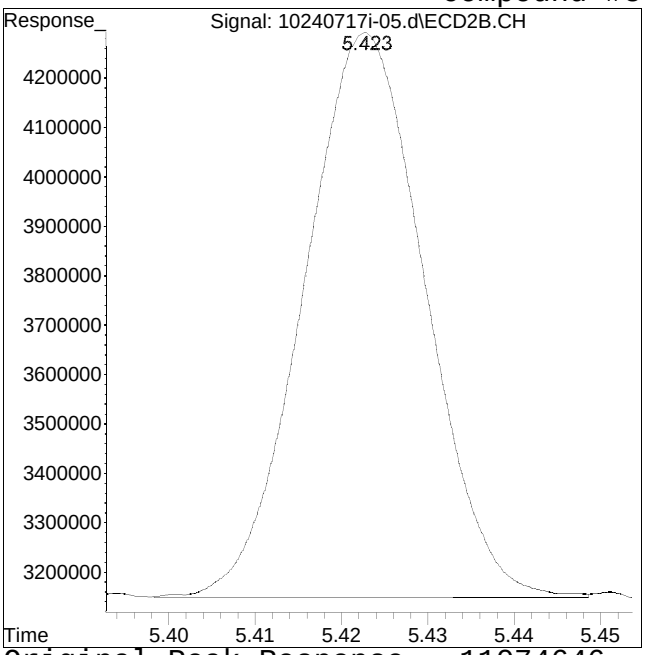


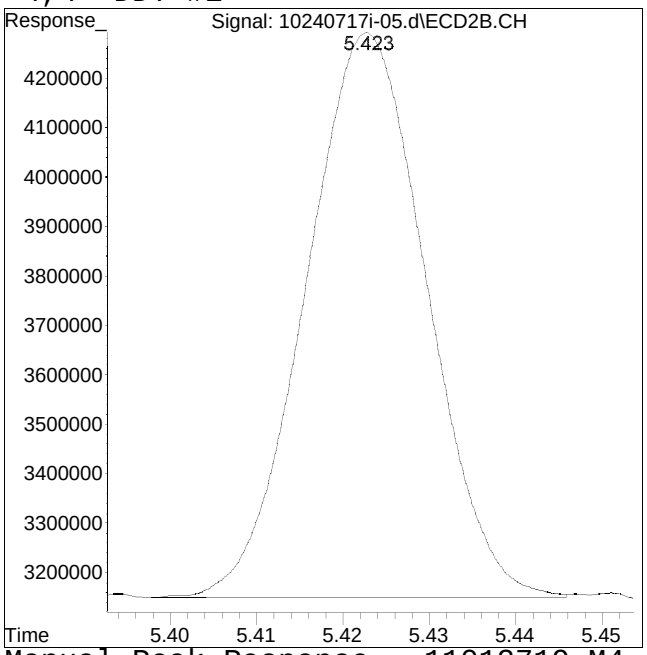
Original Peak Response = 11952081 Manual Peak Response = 11923166 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #59: 4,4'-DDT #2



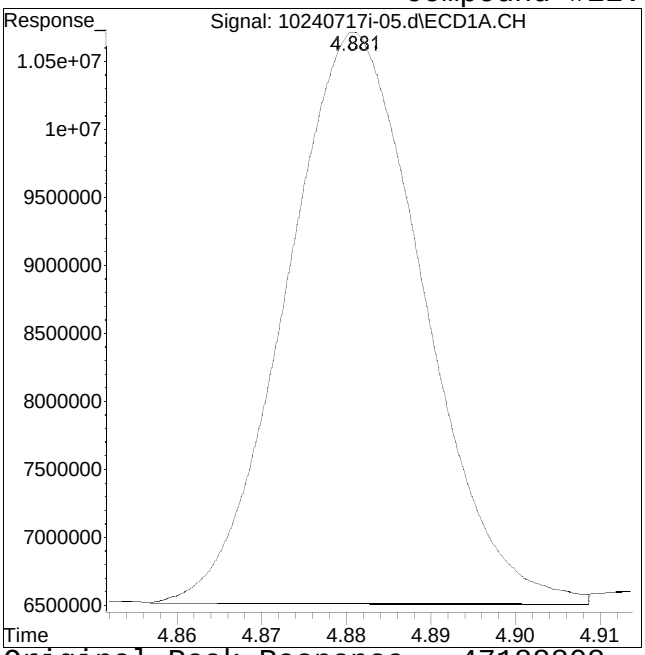


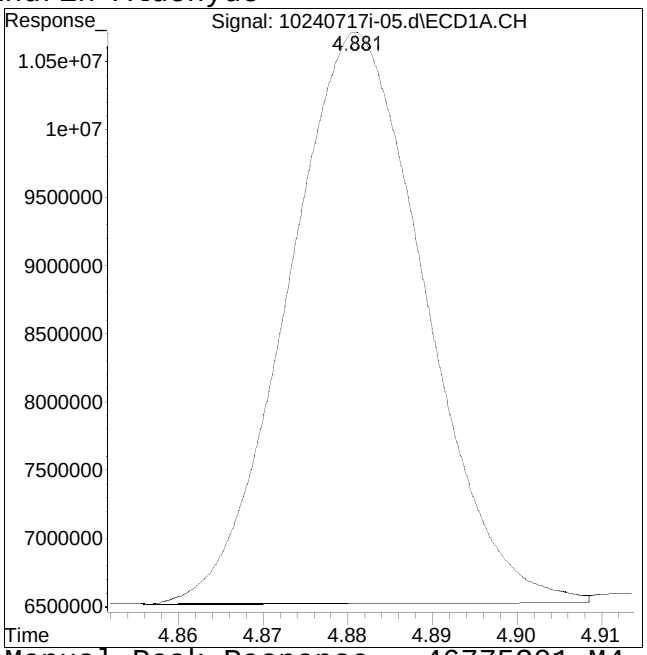
Original Peak Response = 11074646 Manual Peak Response = 11012719 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #22: Endrin Aldehyde



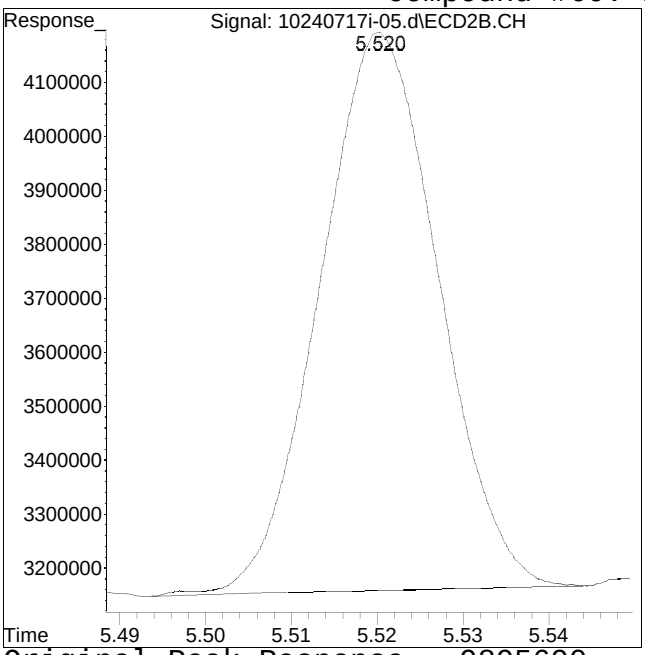


Original Peak Response = 47188808 Manual Peak Response = 46775301 M4
M4 = Poor automated baseline construction.

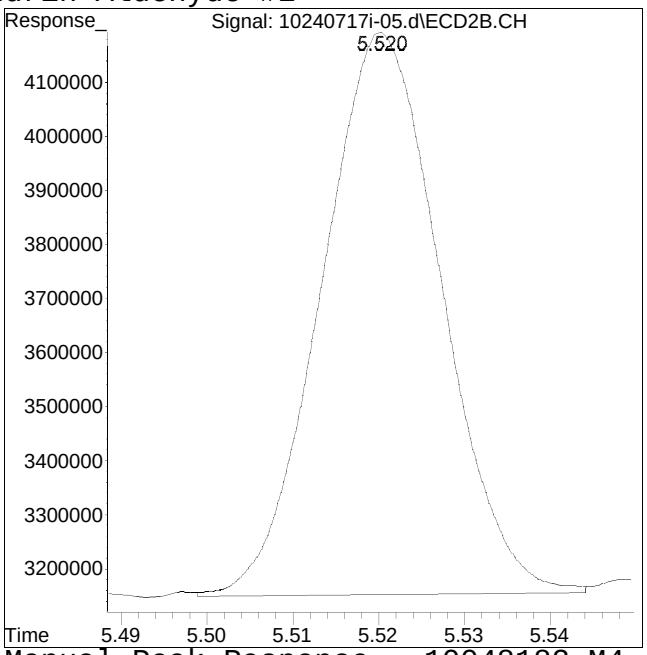
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 9895690

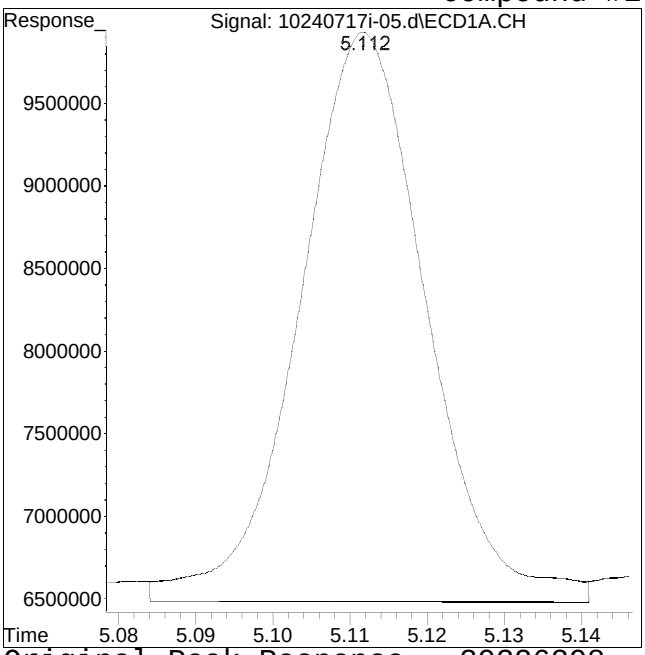


Manual Peak Response = 10048182 M4
M4 = Poor automated baseline construction.

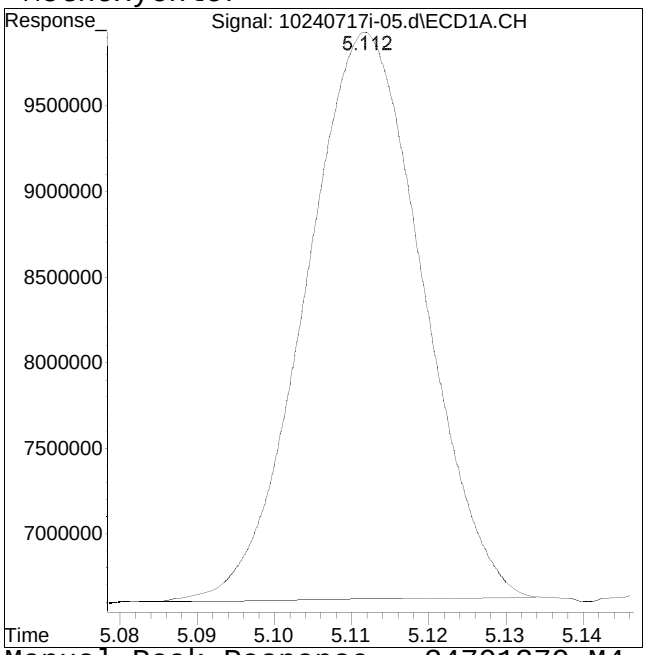
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #23: Methoxychlor



Original Peak Response = 39326298



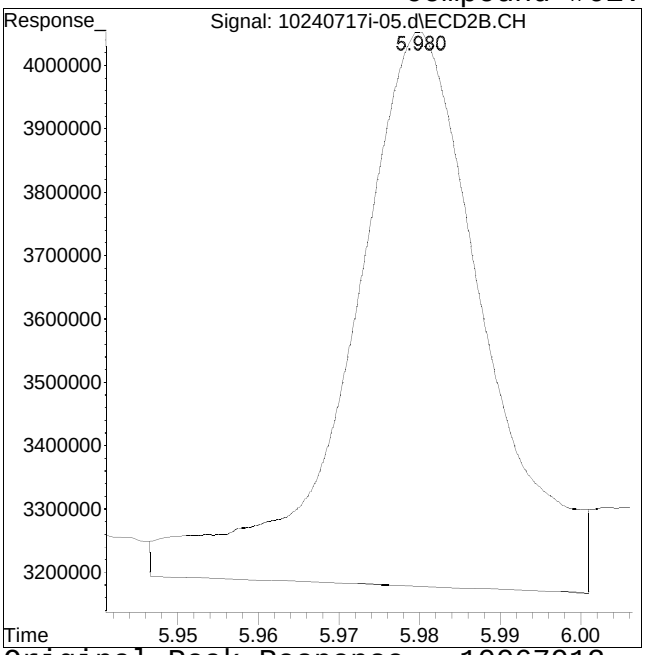
Manual Peak Response = 34791379 M4

M4 = Poor automated baseline construction.

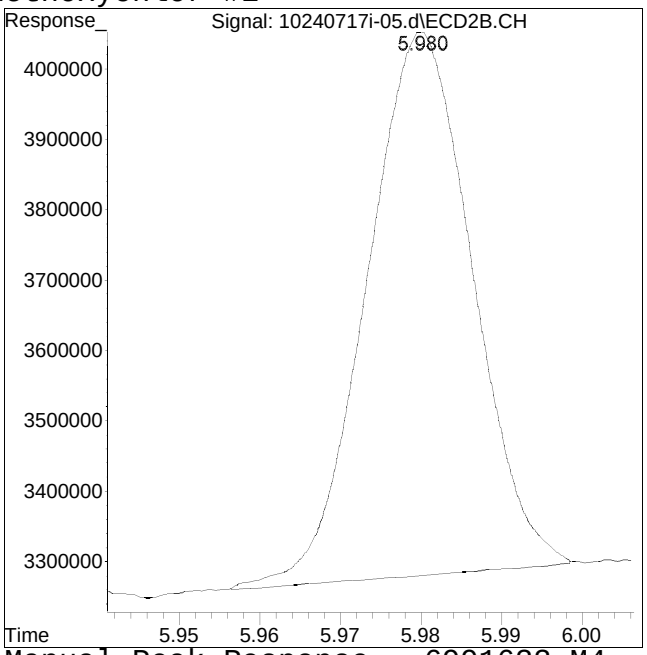
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #61: Methoxychlor #2



Original Peak Response = 10067912



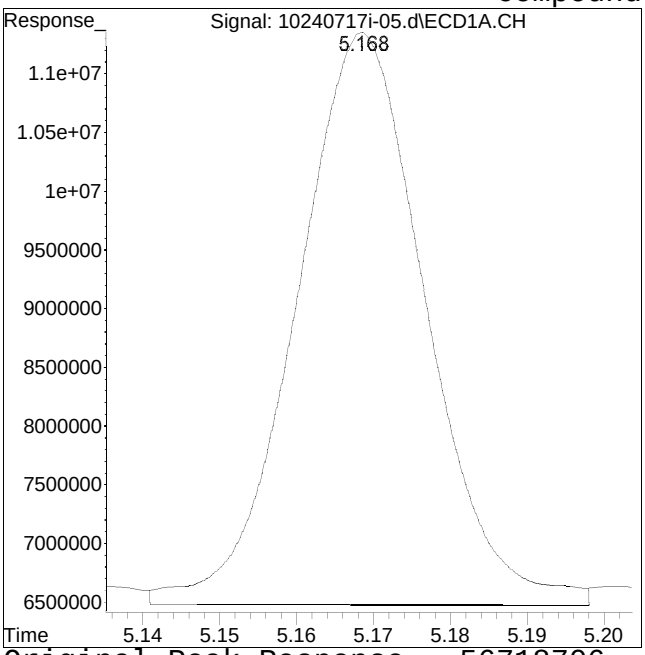
Manual Peak Response = 6991633 M4

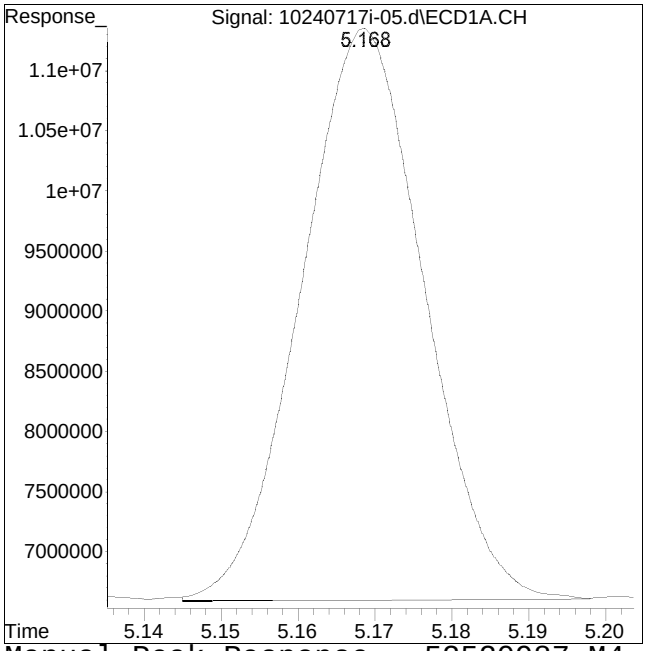
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #24: Mirex



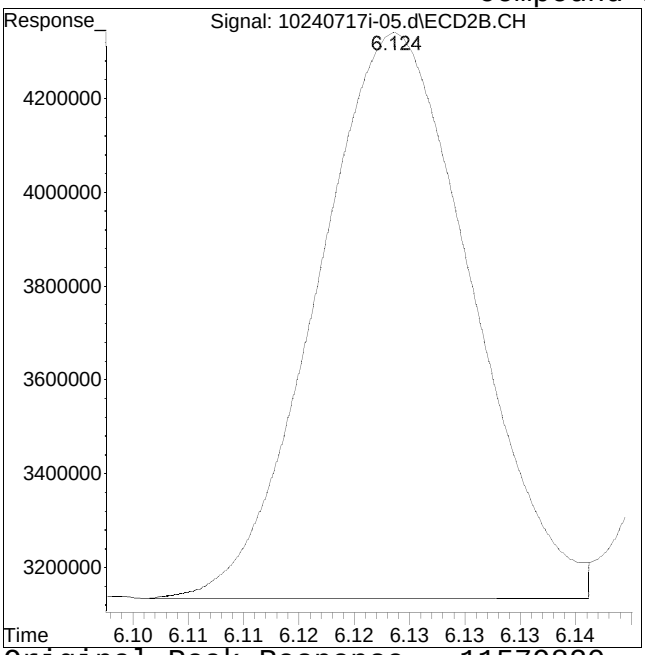


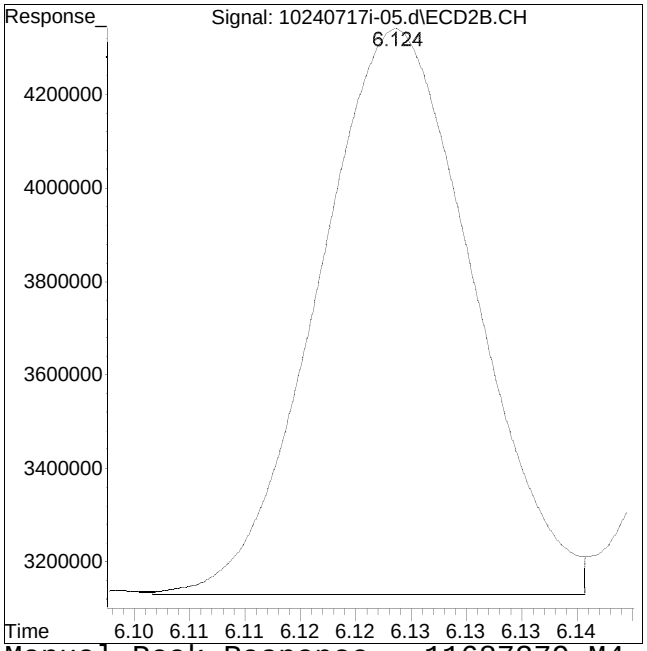
Original Peak Response = 56718706 Manual Peak Response = 52520987 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #62: Mirex #2



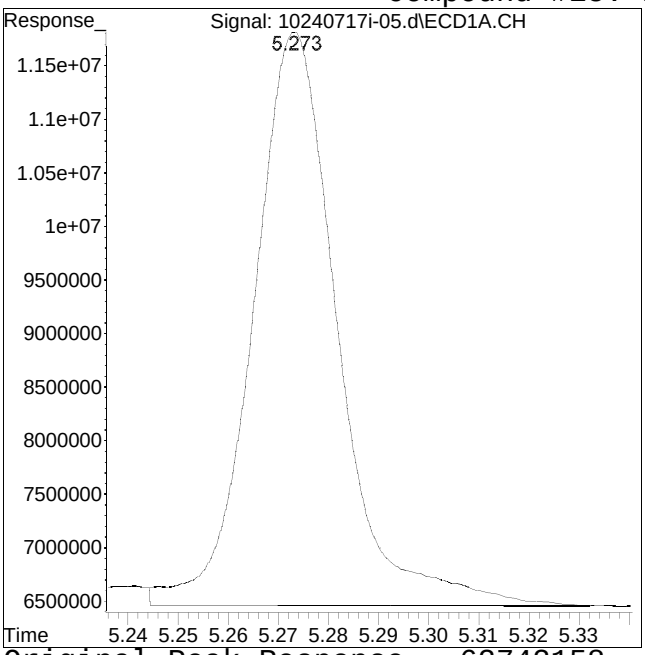


Original Peak Response = 11579820 Manual Peak Response = 11687379 M4
M4 = Poor automated baseline construction.

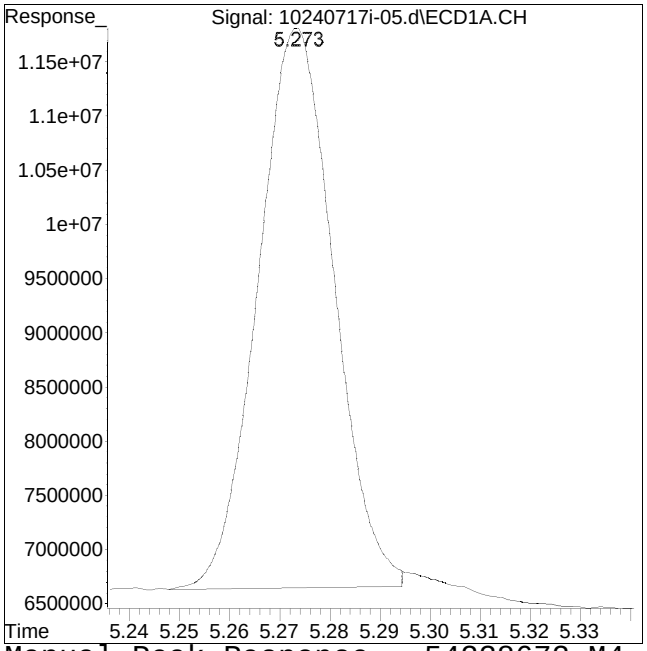
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 62742158



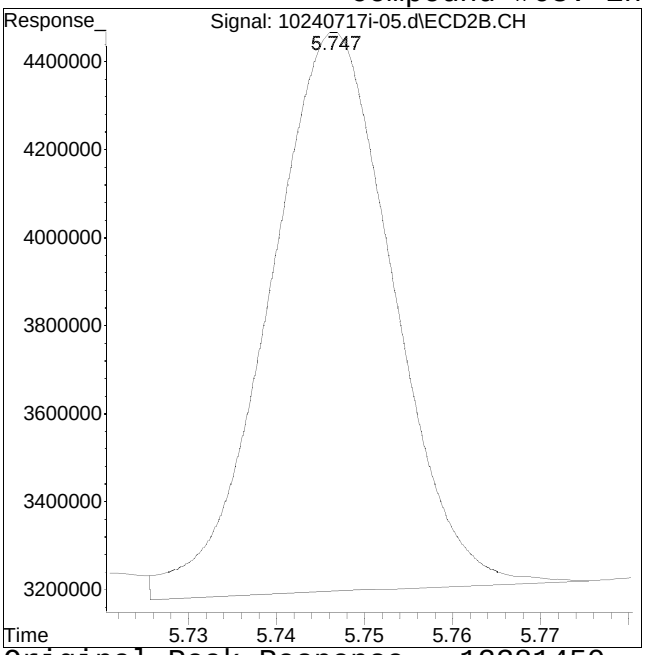
Manual Peak Response = 54238672 M4

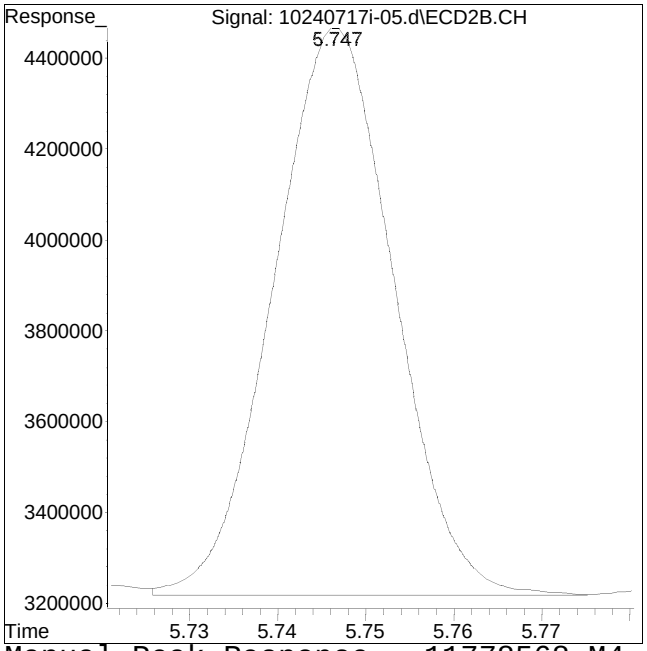
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #63: Endosulfan Sulfate #2



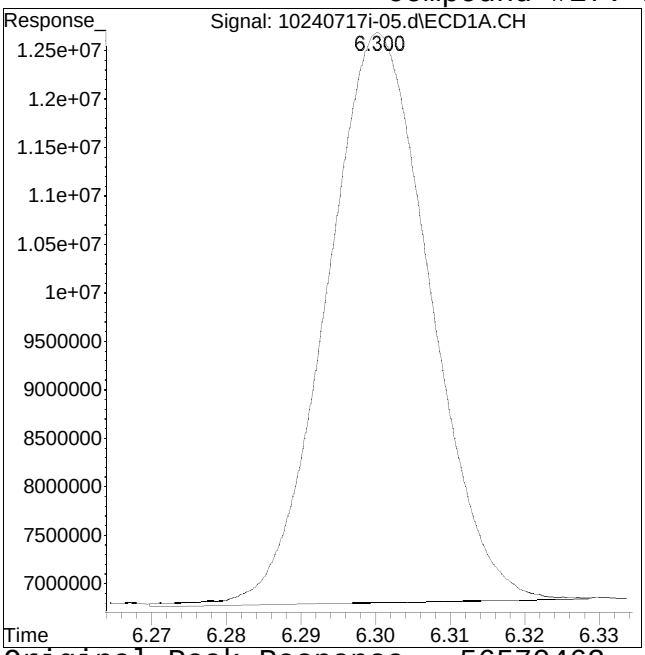


Original Peak Response = 12381450 Manual Peak Response = 11778568 M4
M4 = Poor automated baseline construction.

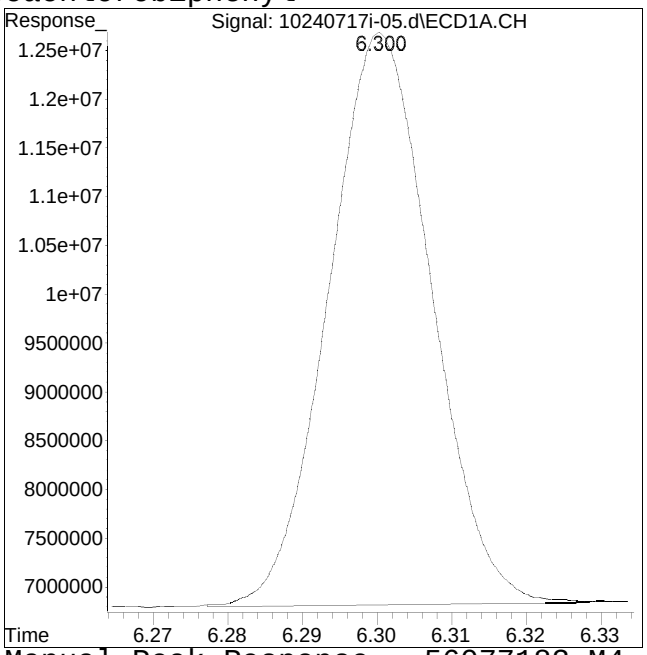
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 56570462



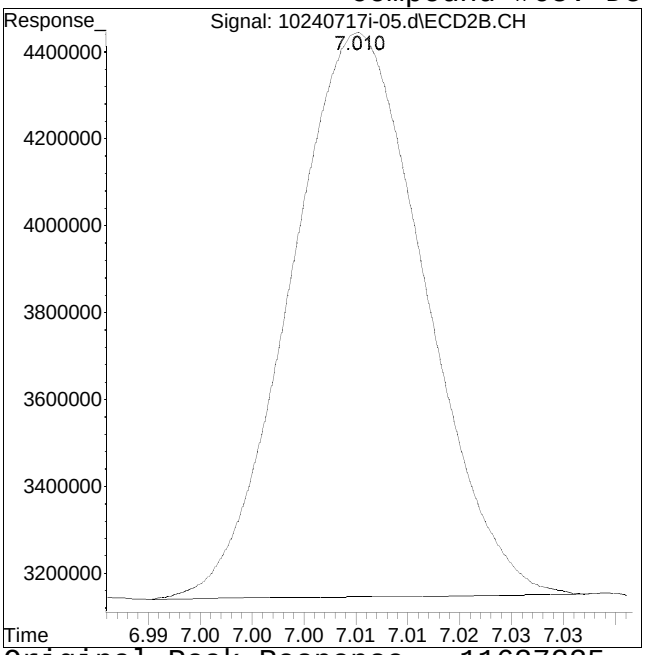
Manual Peak Response = 56077183 M4

M4 = Poor automated baseline construction.

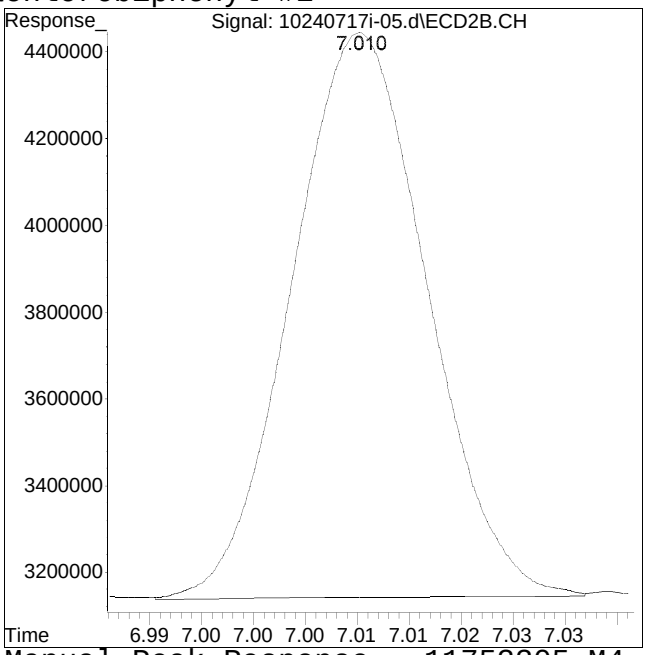
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-05.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:31 pm Instrument : Pest 10
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/18/2024 10:32 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 11637235



Manual Peak Response = 11753305 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:42 pm
Operator : PEST10:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:38 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:56:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.319	1.434	496.2E6	121.1E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.662	1.925	77474862	16087909	3.441M4	3.263M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		6.88%#	6.53%#
27)	s	Decachlorobi	6.300	7.011	76050928	15693773	3.471M4	3.419M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		6.94%#	6.84%#
		Target Compounds						
3)	t	Hexachlorobe	1.876	2.256	82089180	18792824	3.426M4	3.400M4
4)	t	alpha-BHC	1.975	2.354	99207680	20949708	3.085M4	3.045M4
5)	t	gamma-BHC (l	2.177	2.648	95034907	20066011	3.092M3	3.049
6)	t	beta-BHC	2.233	2.713	46056522	10679954	3.458M4	3.410M4
7)	t	delta-BHC	2.362	2.987	95146972	20099556	3.116M4	3.063M4
8)	t	Heptachlor	2.524	3.056	96149666	21200469	3.340M4	3.275M4
9)	t	Aldrin	2.767	3.382	89454946	18696360	3.264M4	3.151M4
10)	t	Alachlor	2.889	3.260	15730573	3907683	3.759M4	3.660M4
11)	t	Chlorpyrifos	2.980	3.621	49323375	12509490	3.739	3.668M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:42 pm
Operator : PEST10:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:38 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:56:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.313	4.011	88990224	19757839	3.423	3.334M4
13)	t	gamma-Chlord	3.436	4.233	79681150	17331522	3.321	3.276M4
14)	t	alpha-Chlord	3.571	4.398	92715495	19769506	3.364M4	3.289M4
15)	t	4,4'-DDE	3.667	4.587	86044996	17324413	3.242M4	3.060M4
16)	t	Endosulfan I	3.708	4.458	84771449	18545670	3.433	3.326M4
17)	t	Dieldrin	3.968	4.742	85868858	17775250	3.340M4	3.201M4
18)	t	Endrin	4.223	5.034	88739616	18290528	3.353M4	3.230M4
19)	t	4,4'-DDD	4.332	5.149	71408889	14098909	3.297	3.117M4
20)	t	Endosulfan I	4.463	5.228	81152554	17188227	3.440M4	3.313M4
21)	t	4,4'-DDT	4.624	5.423	80101624	15835826	3.304M4	3.170M4
22)	t	Endrin Aldeh	4.881	5.520	67732152	14399906	3.470M4	3.334M4
23)	t	Methoxychlor	5.111	5.980	49071452	9595692	3.626M4	3.404M4
24)	t	Mirex	5.168	6.124	73336268	16170926	3.519M4	3.515M4
25)	t	Endosulfan S	5.273	5.746	78799159	17310065	3.462M4	3.452M4
26)	t	Endrin Keton	5.500	6.157	88377707	17948890	3.460M4	3.294
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:42 pm
Operator : PEST10:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:38 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:56:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

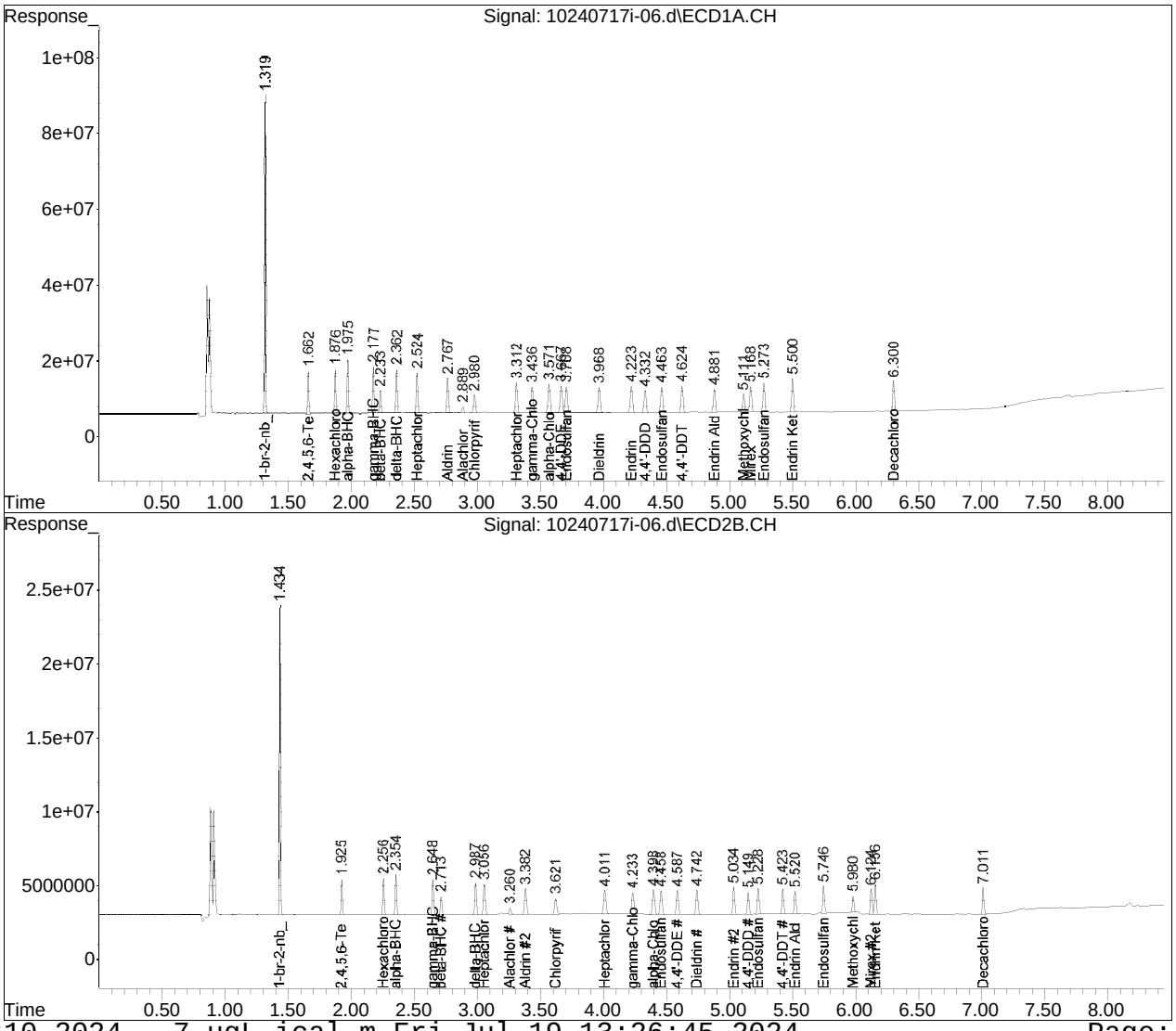
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:42 pm
Operator : PEST10:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:38 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:56:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

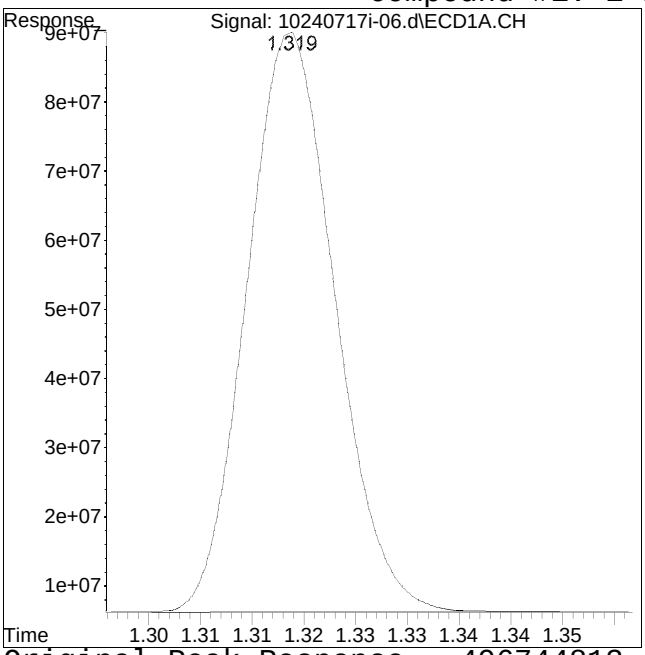
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

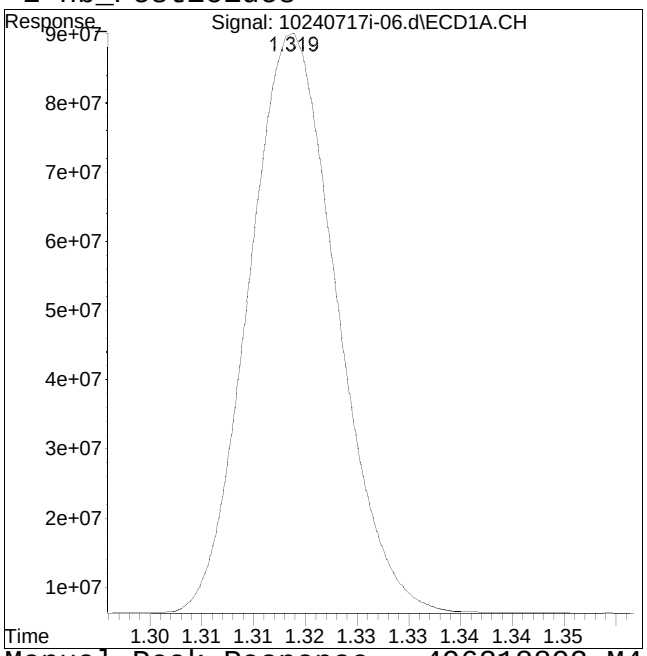


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #1: 1-br-2-nb_Pesticides



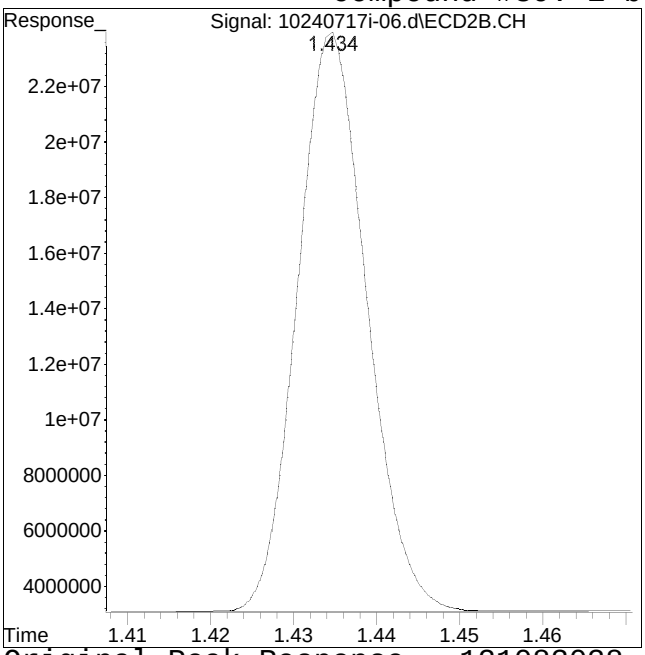


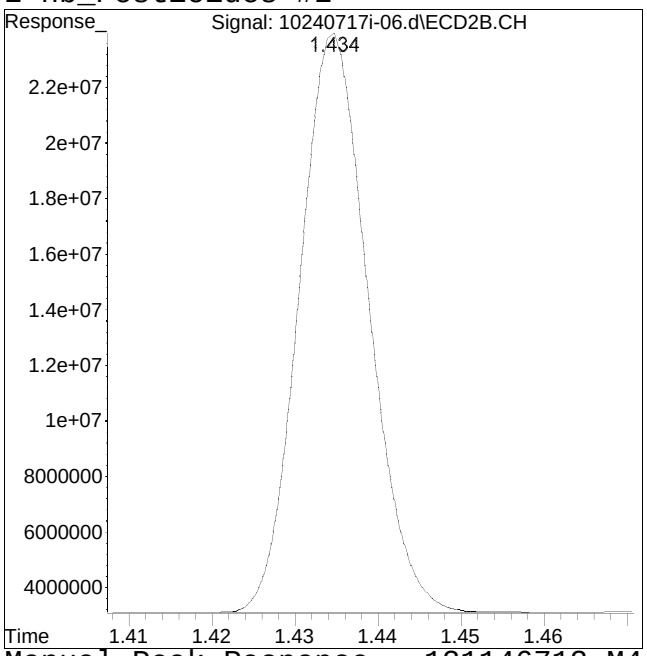
Original Peak Response = 496744813 Manual Peak Response = 496218892 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #39: 1-br-2-nb_Pesticides #2



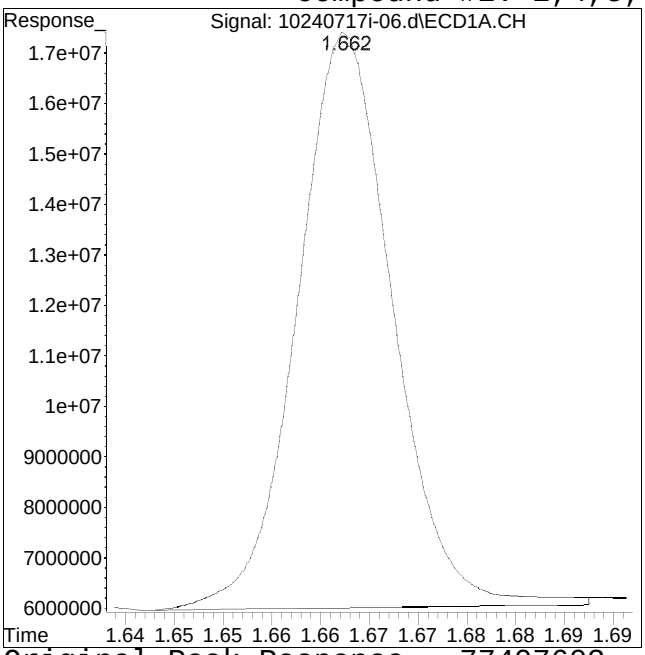


Original Peak Response = 121083038 Manual Peak Response = 121146712 M4
M4 = Poor automated baseline construction.

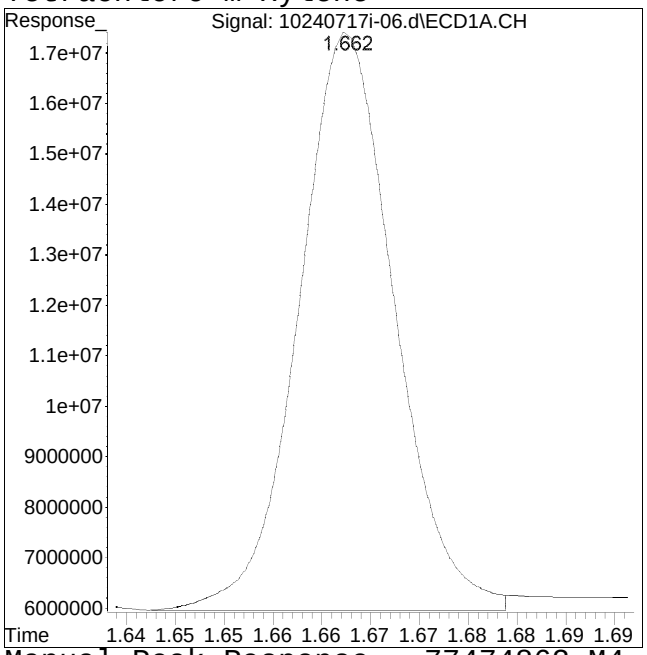
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 77407603



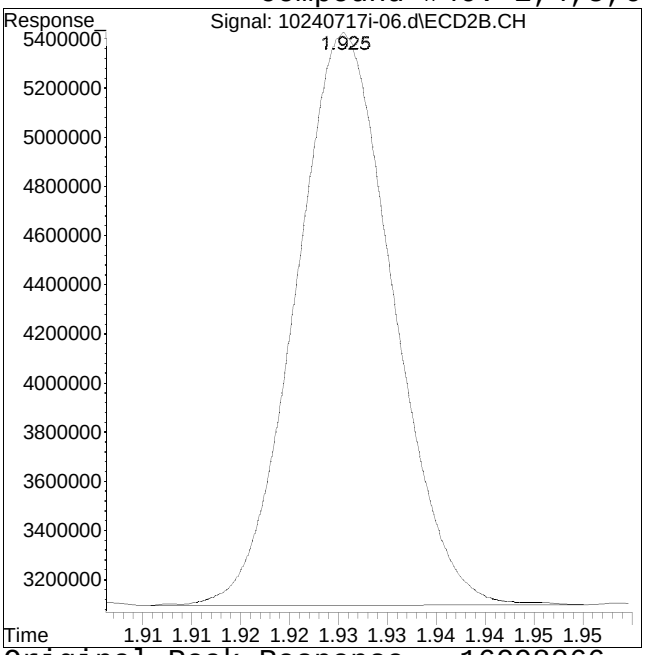
Manual Peak Response = 77474862 M4

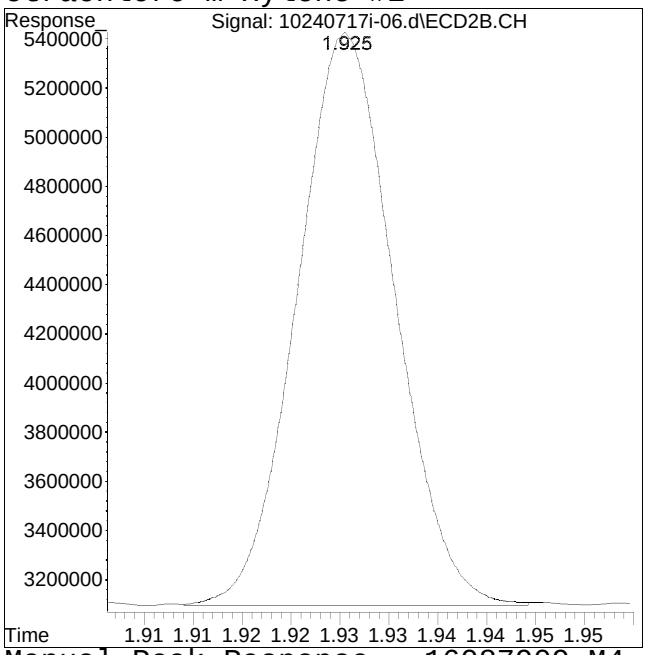
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



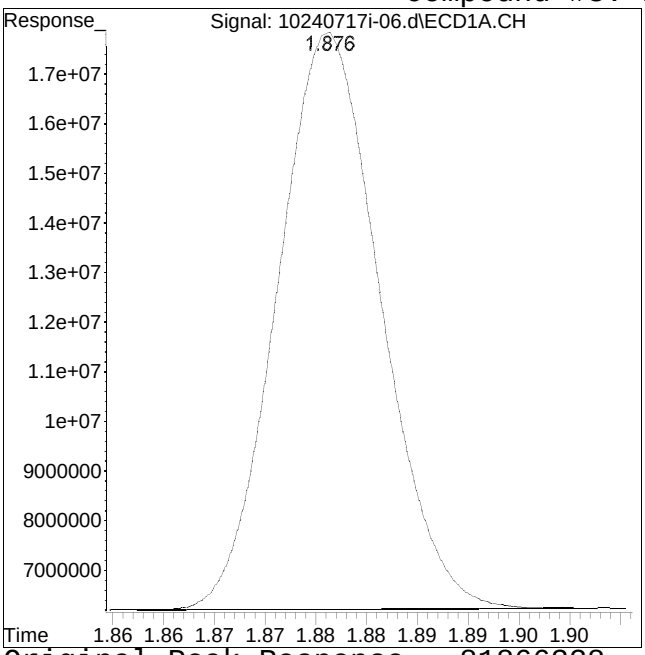


Original Peak Response = 16098066 Manual Peak Response = 16087909 M4
M4 = Poor automated baseline construction.

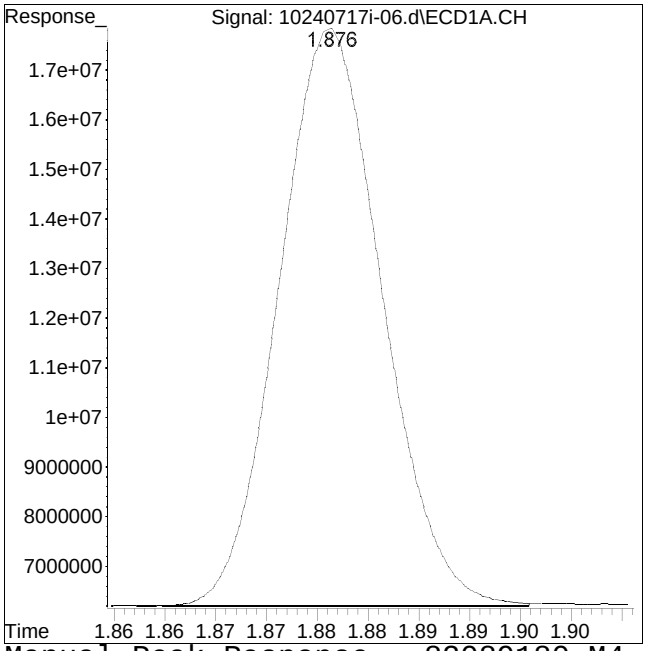
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #3: Hexachlorobenzene



Original Peak Response = 81866338



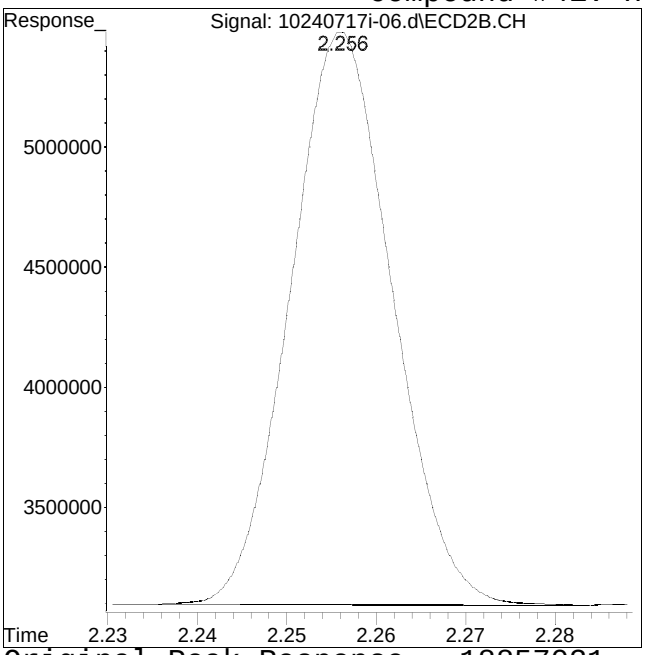
Manual Peak Response = 82089180 M4

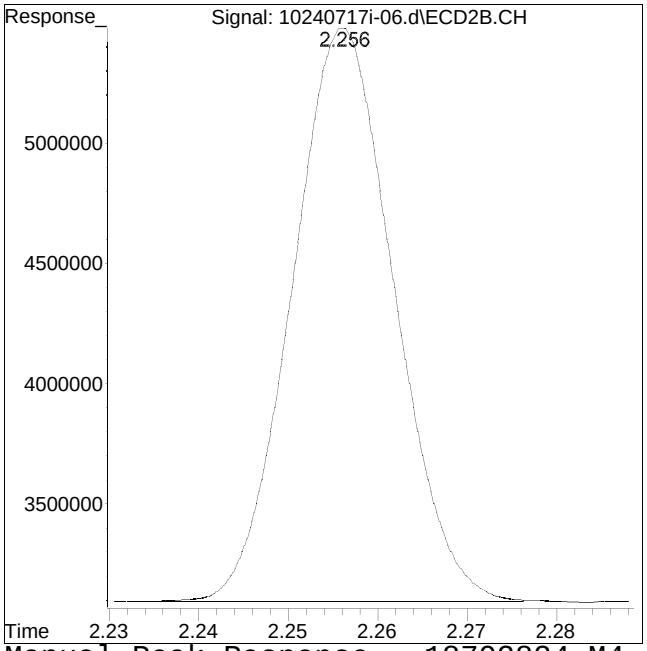
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #41: Hexachlorobenzene #2



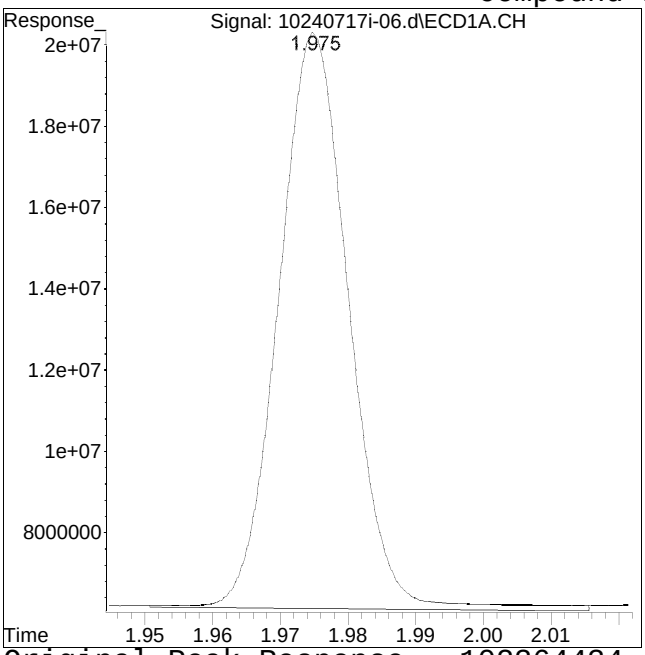


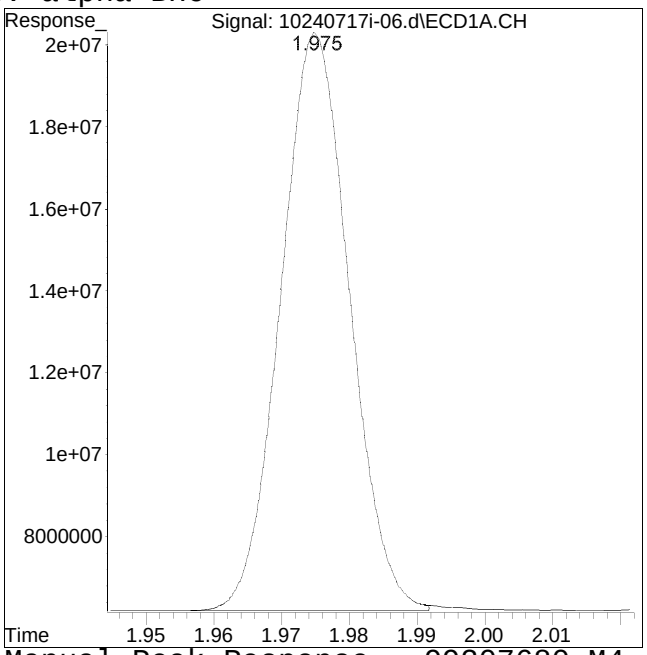
Original Peak Response = 18857031 Manual Peak Response = 18792824 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #4: alpha-BHC



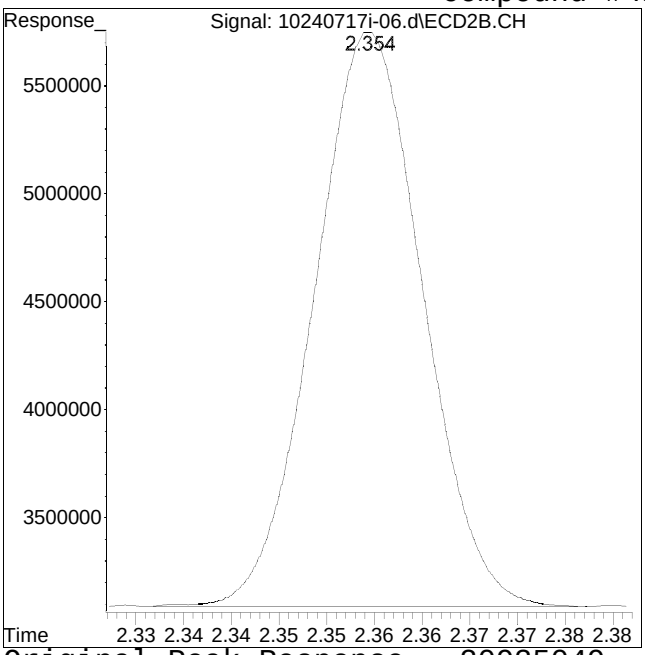


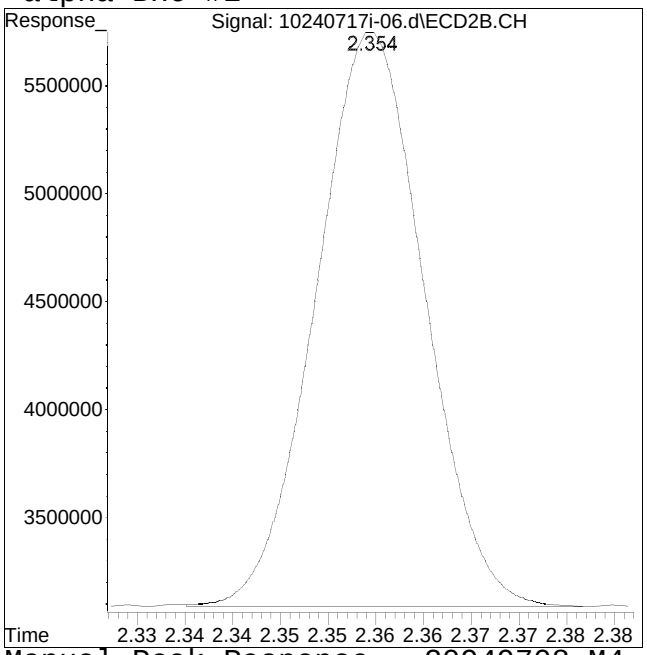
Original Peak Response = 102364434 Manual Peak Response = 99207680 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #42: alpha-BHC #2



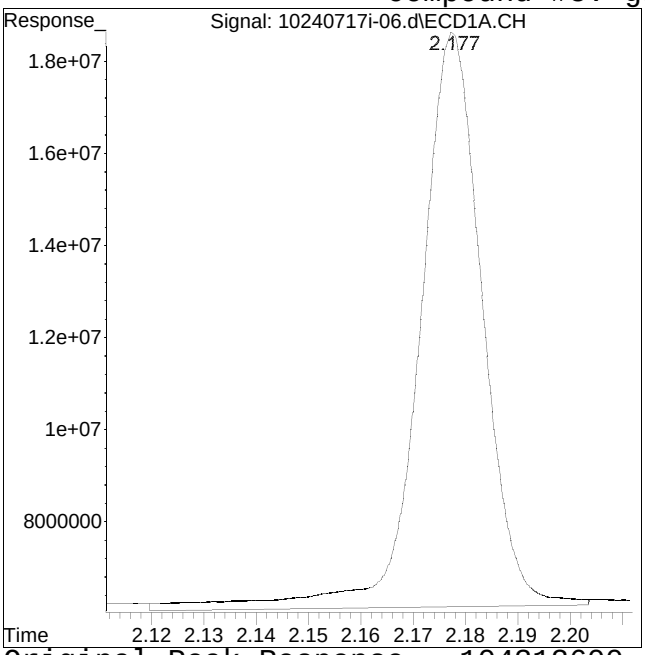


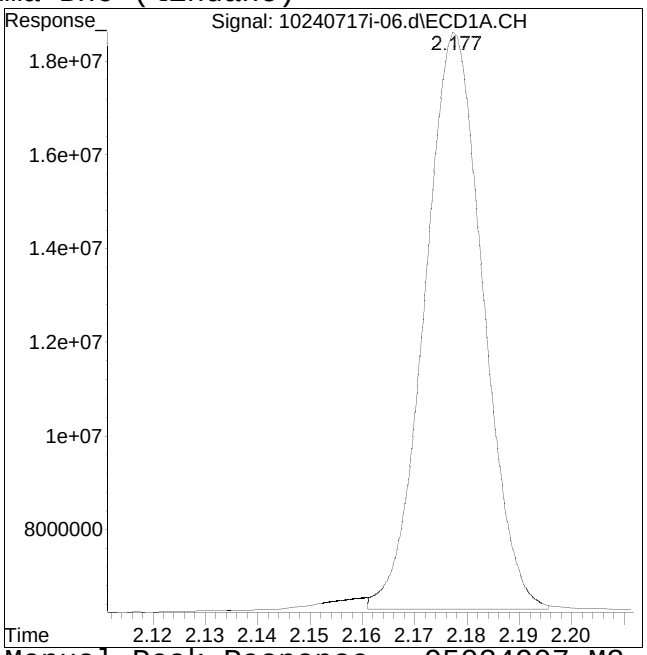
Original Peak Response = 20935049 Manual Peak Response = 20949708 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #5: gamma-BHC (lindane)



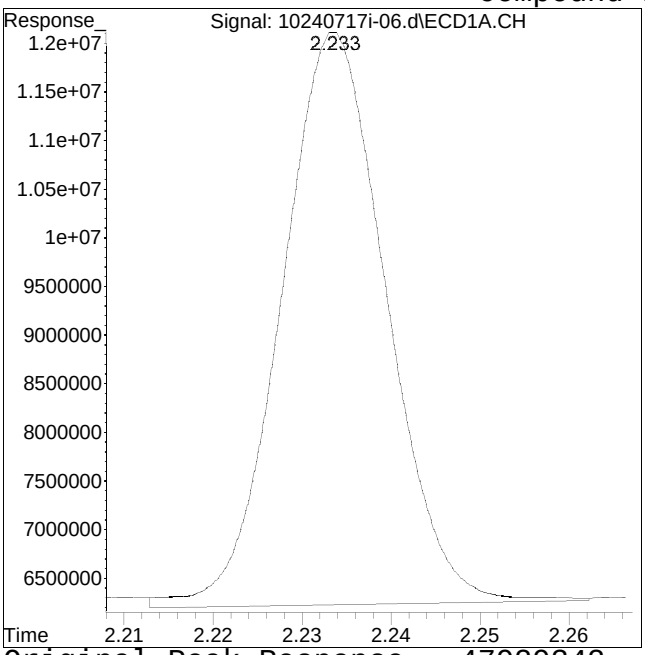


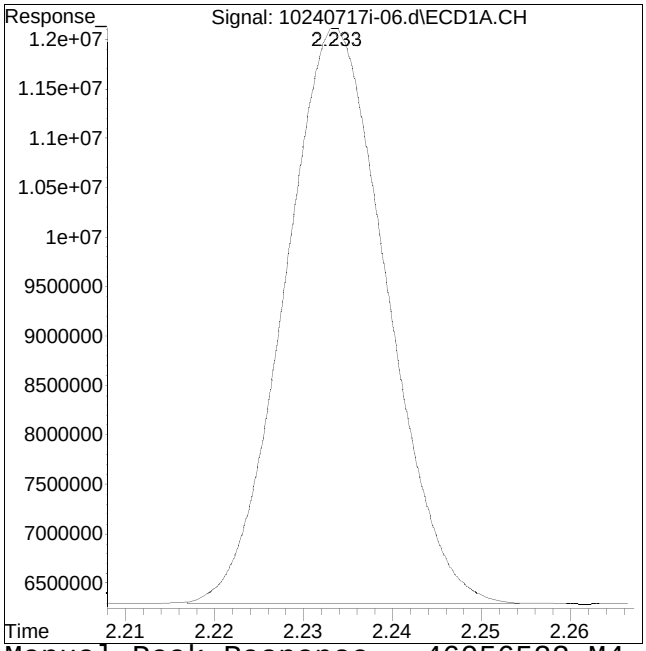
Original Peak Response = 104312600 Manual Peak Response = 95034907 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #6: beta-BHC



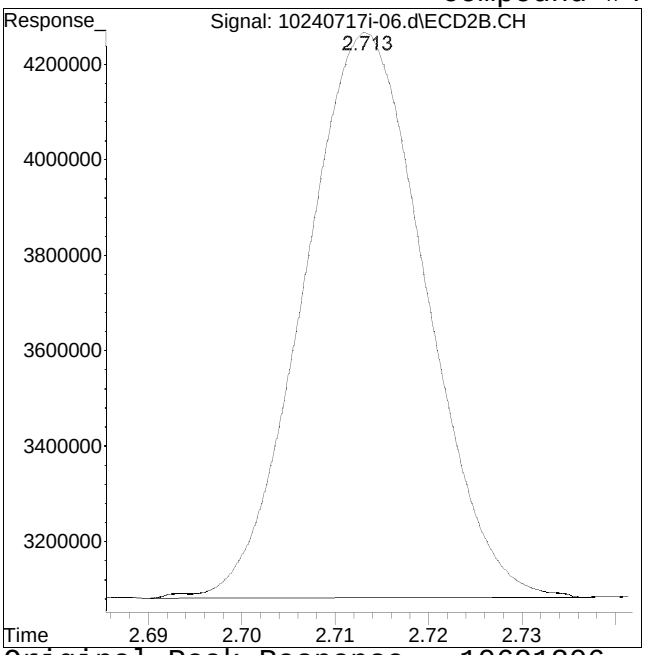


Original Peak Response = 47929342 Manual Peak Response = 46056522 M4
M4 = Poor automated baseline construction.

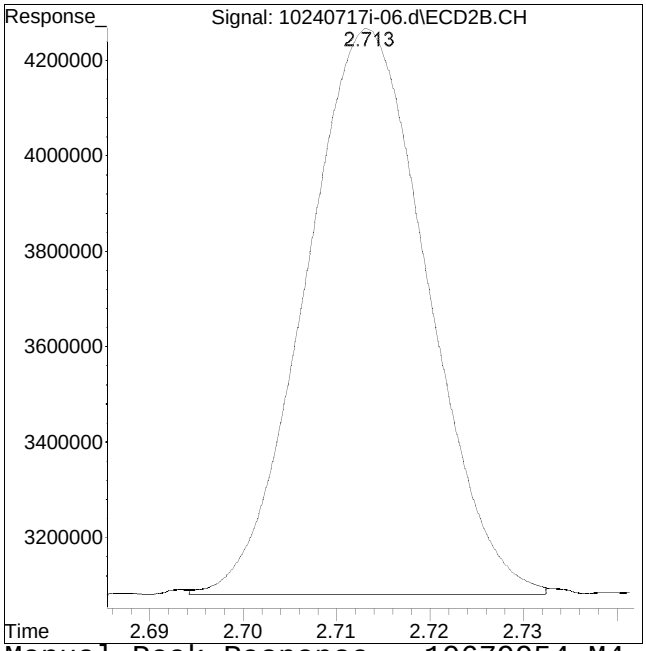
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #44: beta-BHC #2



Original Peak Response = 10691206



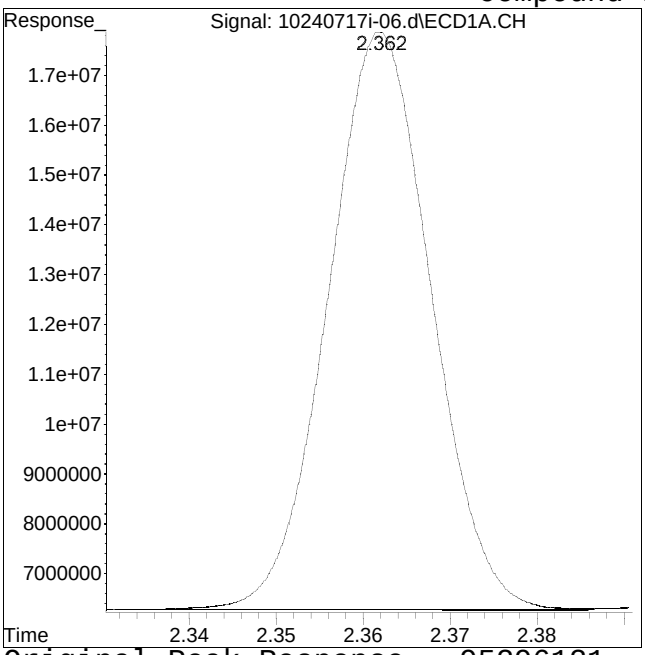
Manual Peak Response = 10679954 M4

M4 = Poor automated baseline construction.

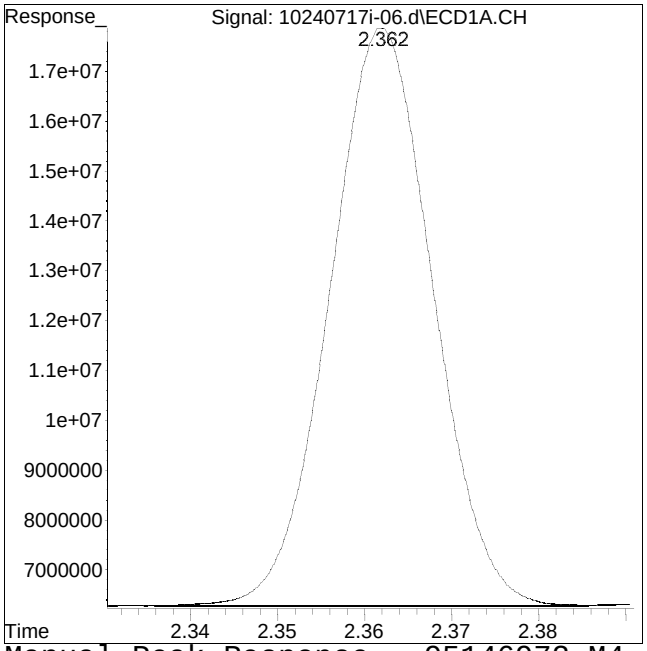
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #7: delta-BHC



Original Peak Response = 95296121

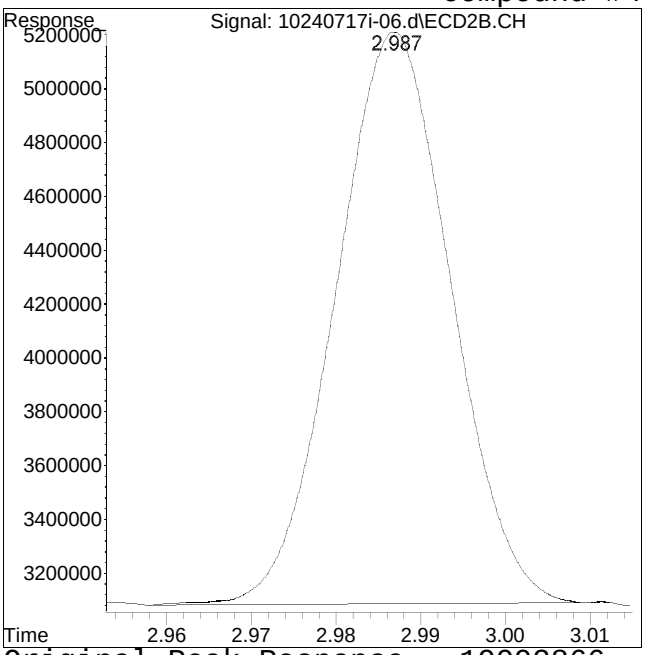


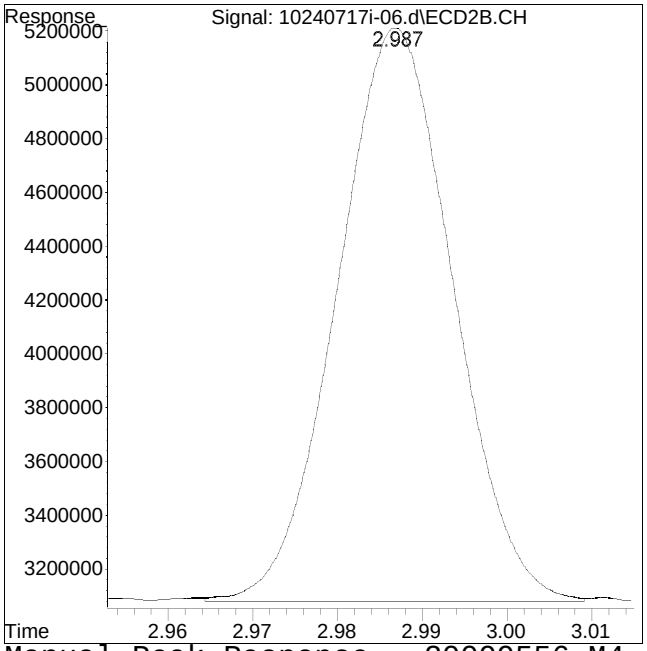
Manual Peak Response = 95146972 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #45: delta-BHC #2



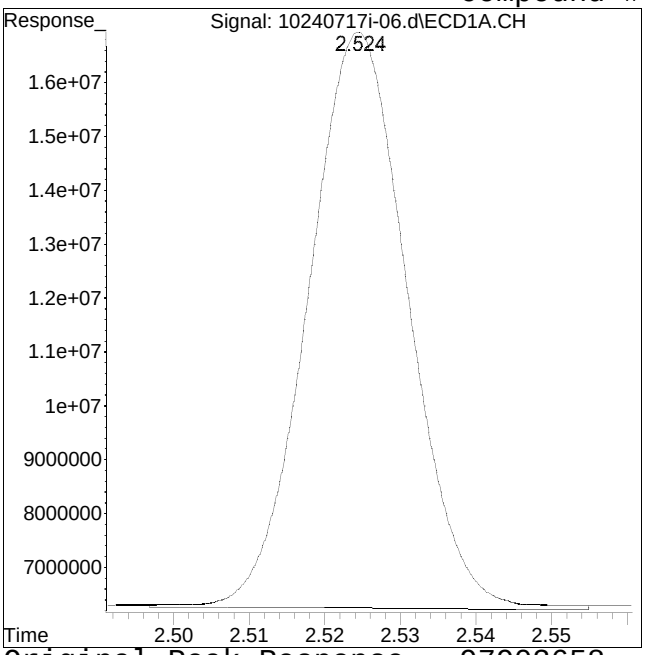


Original Peak Response = 19992866 Manual Peak Response = 20099556 M4
M4 = Poor automated baseline construction.

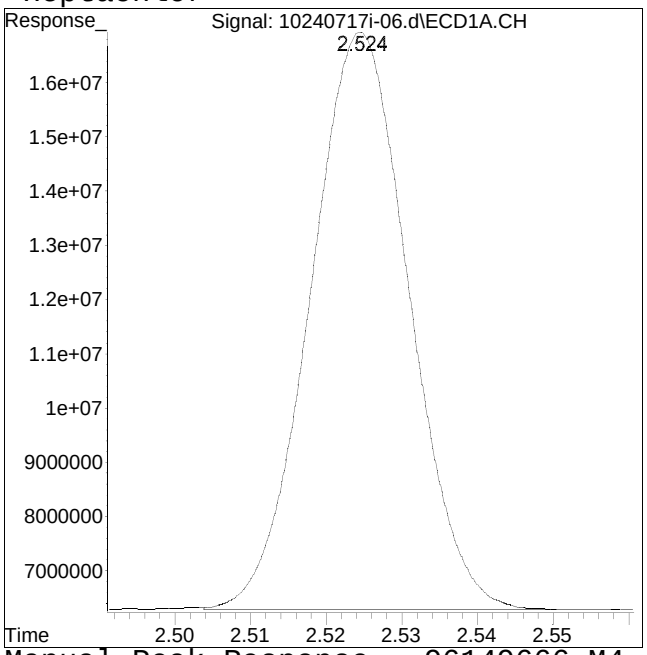
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #8: Heptachlor



Original Peak Response = 97903658

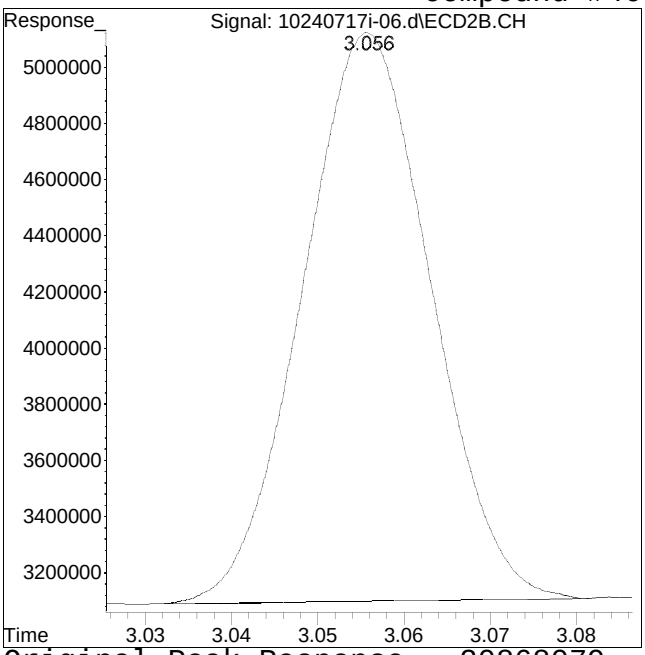


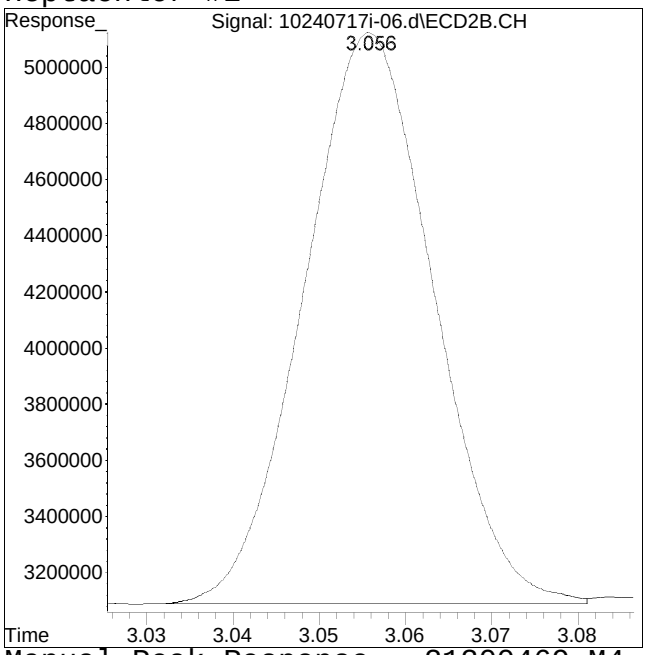
Manual Peak Response = 96149666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #46: Heptachlor #2



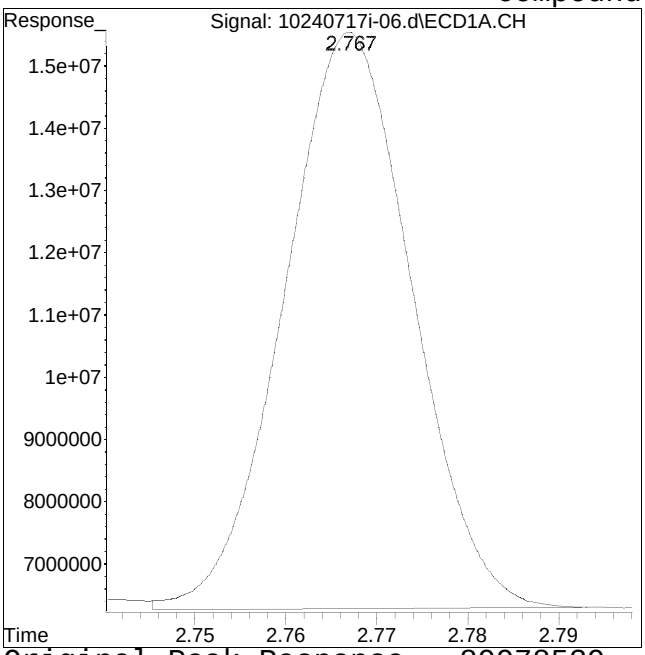


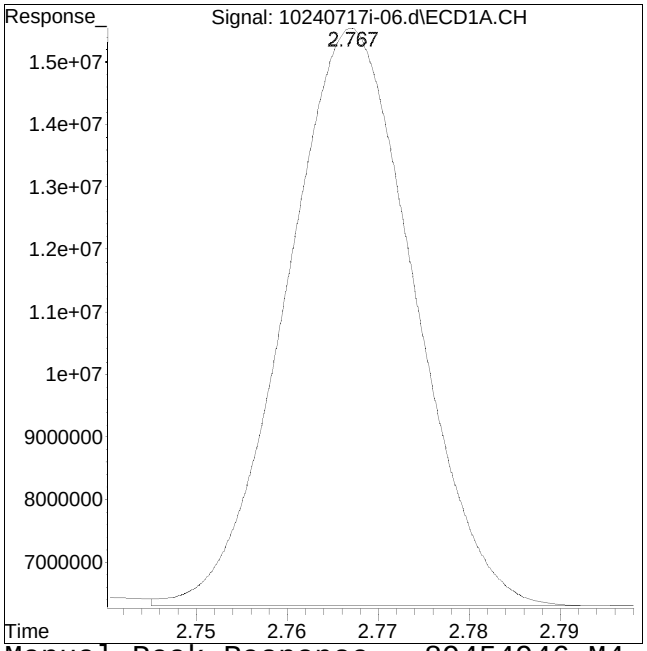
Original Peak Response = 20868079 Manual Peak Response = 21200469 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #9: Aldrin



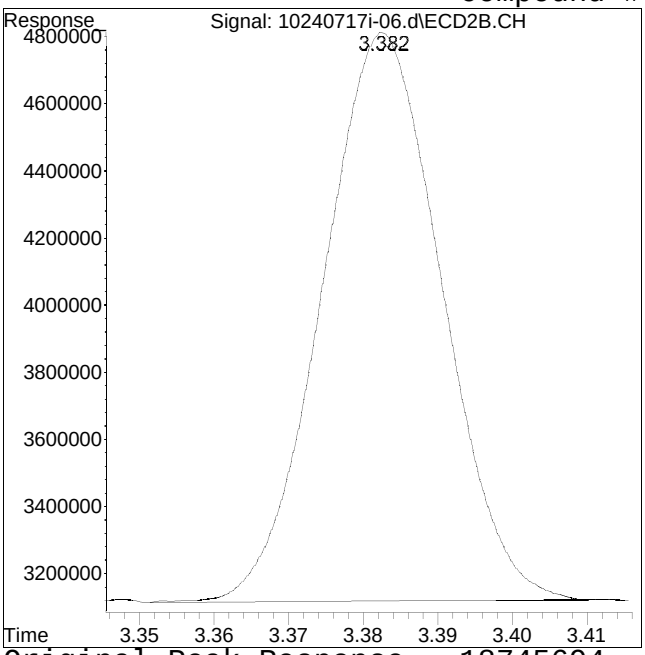


Original Peak Response = 89978539 Manual Peak Response = 89454946 M4
M4 = Poor automated baseline construction.

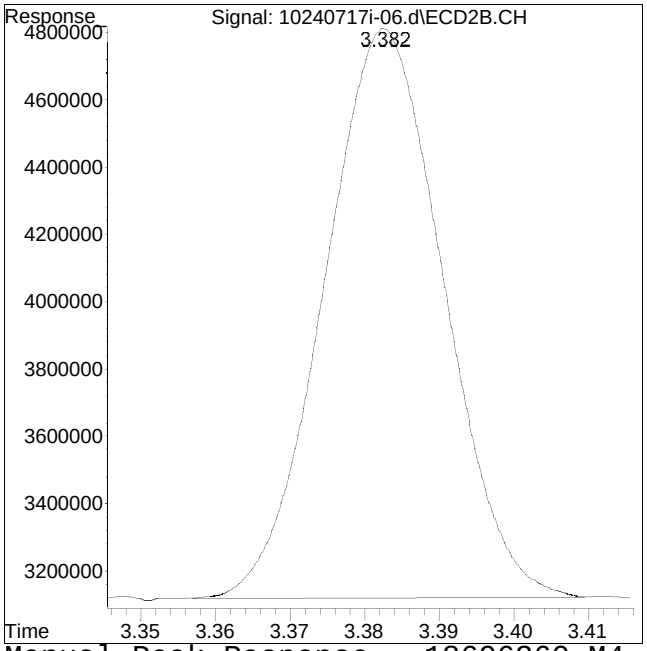
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #47: Aldrin #2



Original Peak Response = 18745694



Manual Peak Response = 18696360 M4

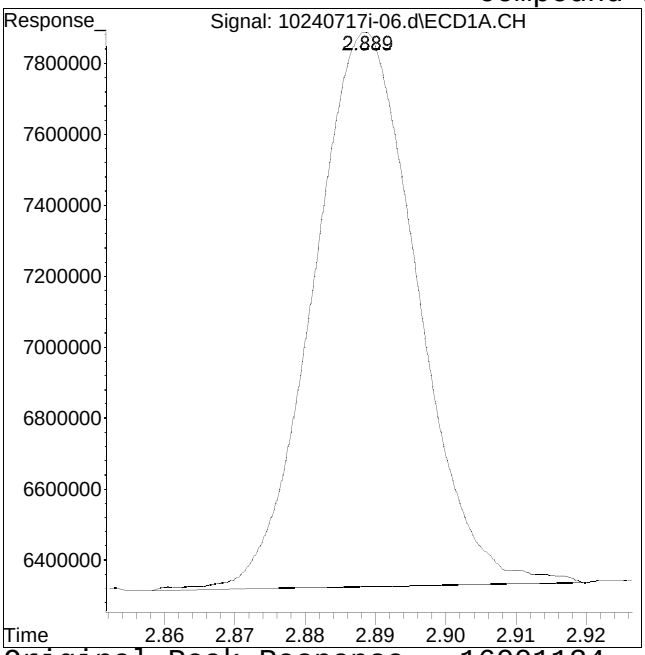
M4 = Poor automated baseline construction.

Manual Integration Report

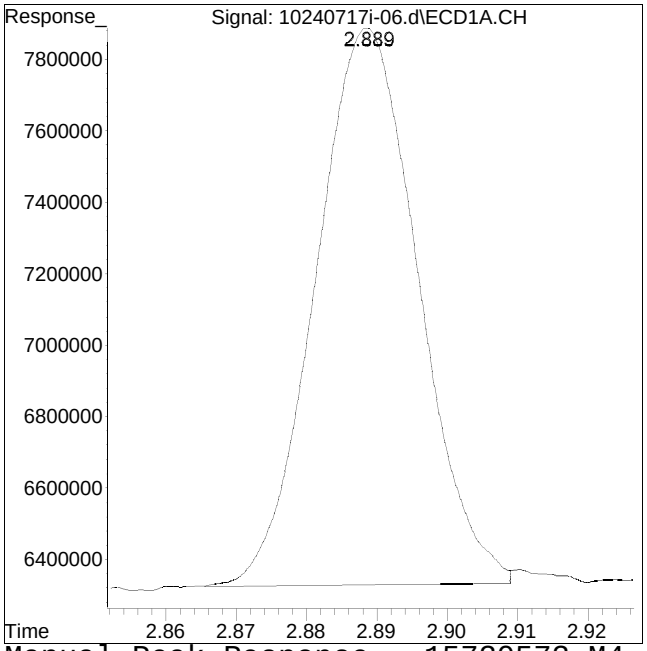
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #10: Alachlor



Original Peak Response = 16001134



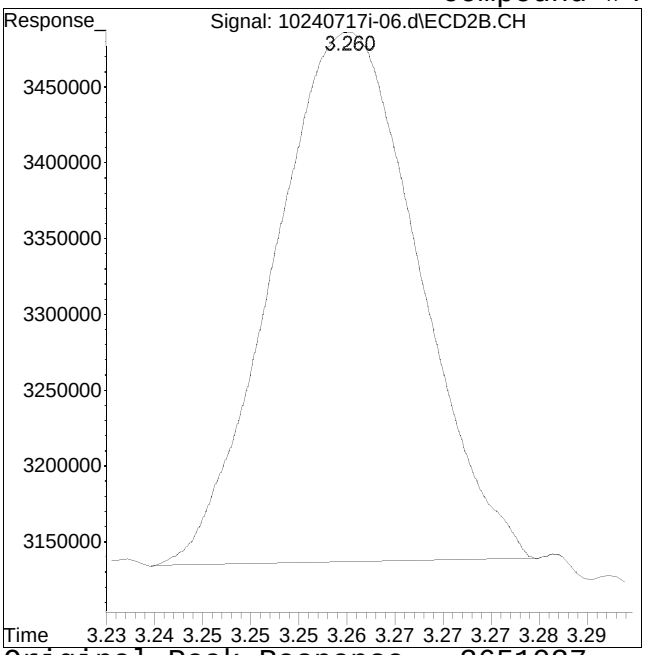
Manual Peak Response = 15730573 M4

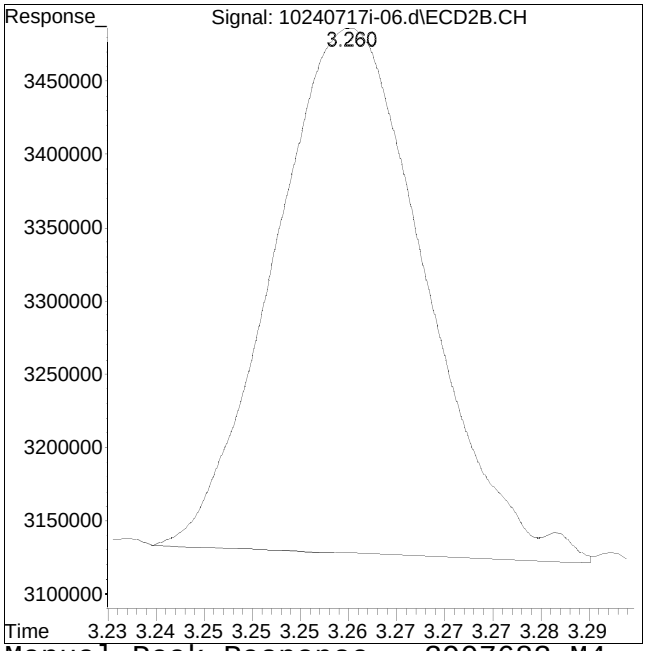
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #48: Alachlor #2



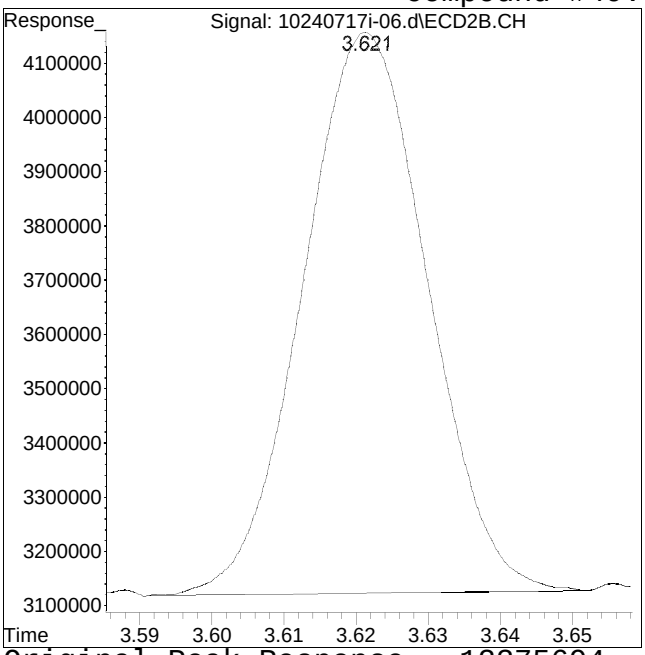


Original Peak Response = 3651037 Manual Peak Response = 3907683 M4
M4 = Poor automated baseline construction.

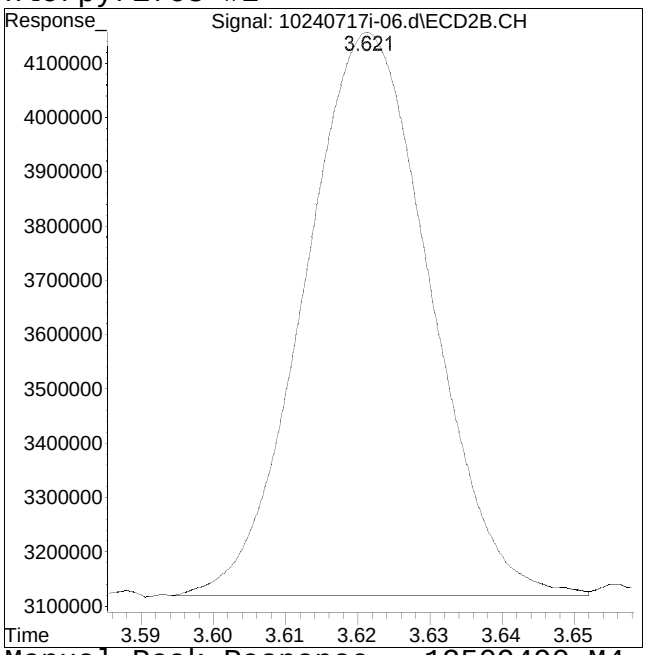
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 12375694



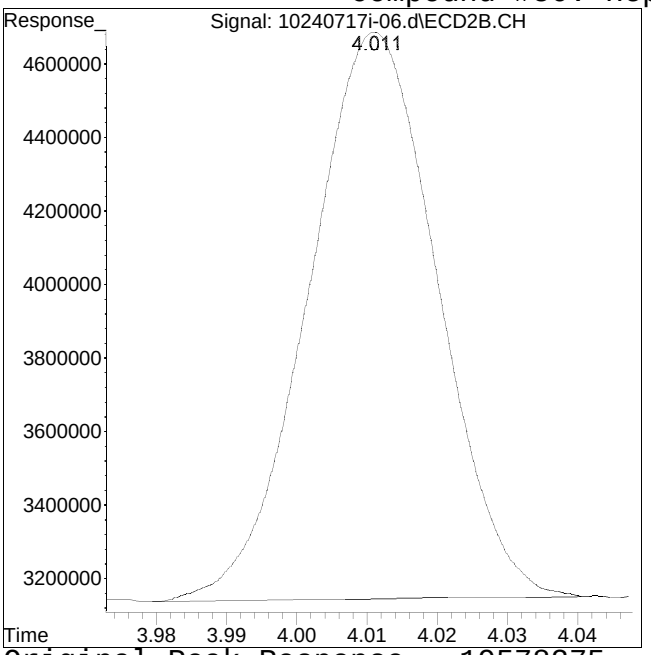
Manual Peak Response = 12509490 M4

M4 = Poor automated baseline construction.

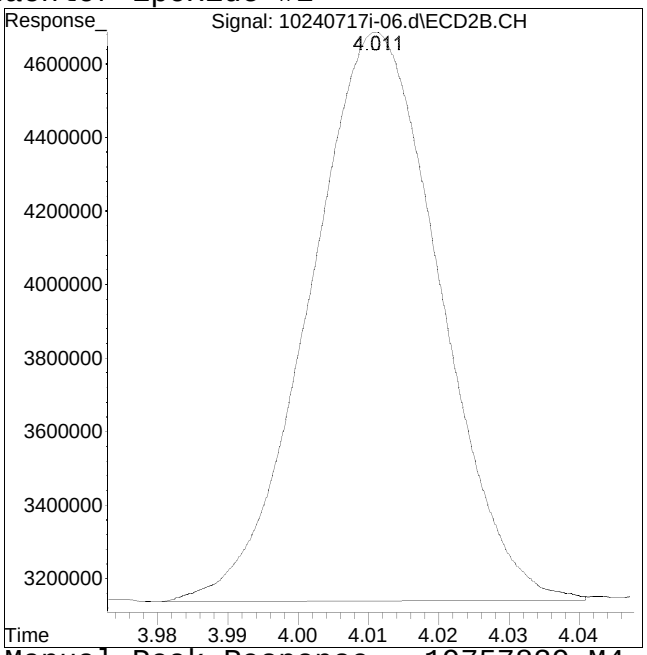
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 19578275

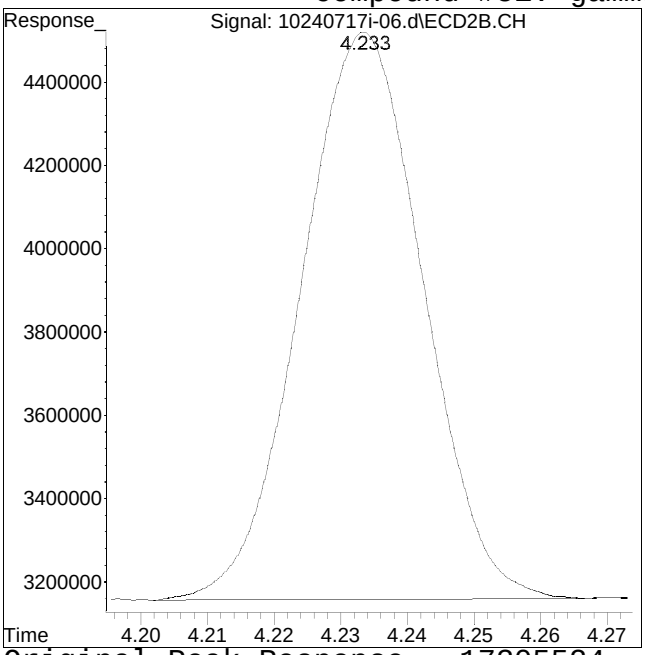


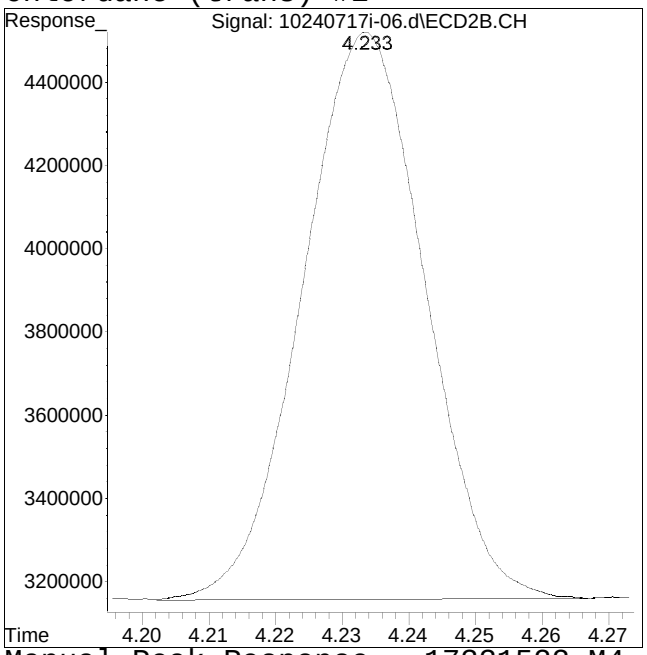
Manual Peak Response = 19757839 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #51: gamma-Chlordane (trans) #2



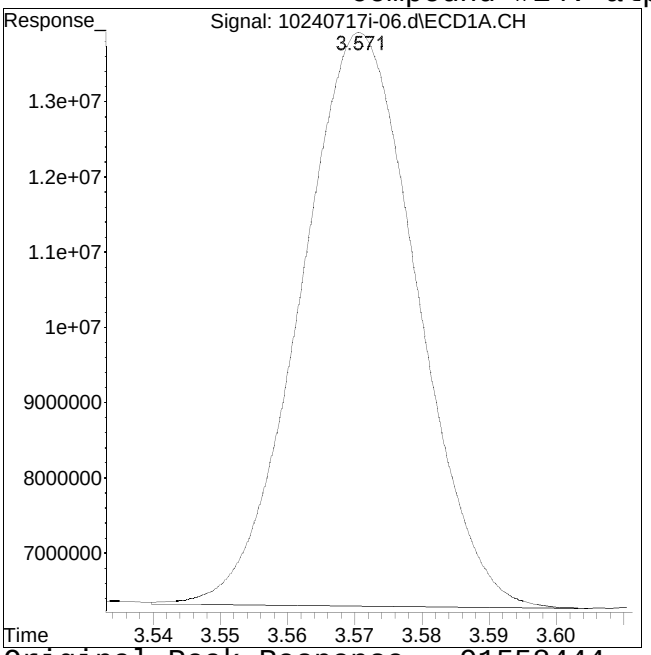


Original Peak Response = 17305524 Manual Peak Response = 17331522 M4
M4 = Poor automated baseline construction.

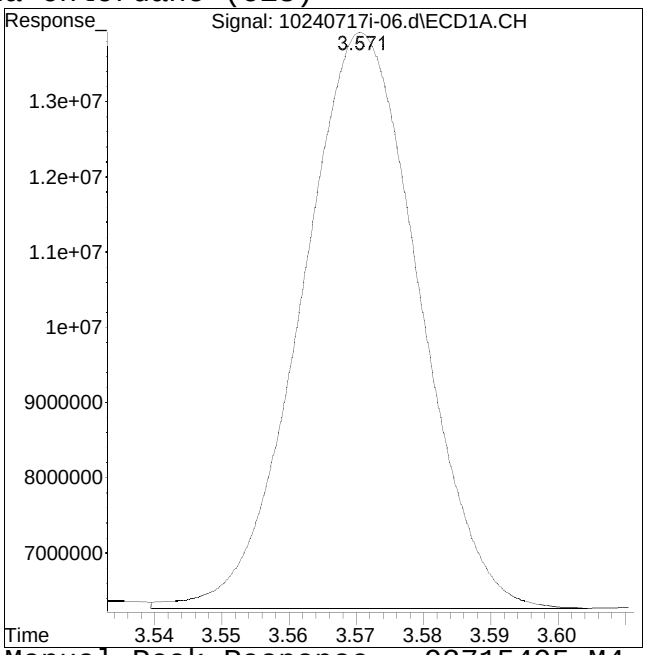
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 91558444



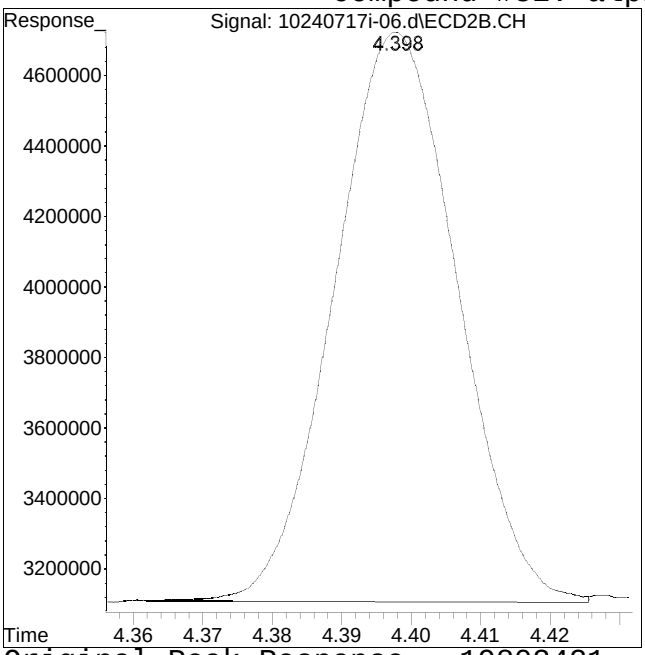
Manual Peak Response = 92715495 M4

M4 = Poor automated baseline construction.

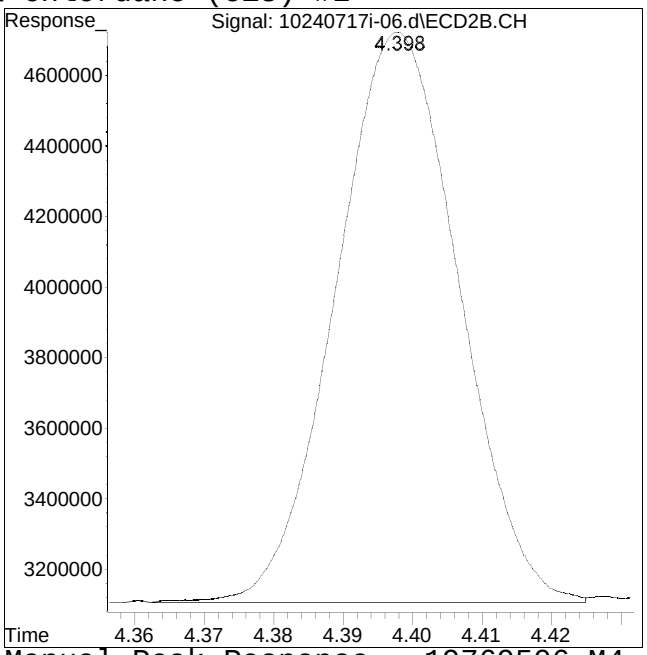
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 19802421



Manual Peak Response = 19769506 M4

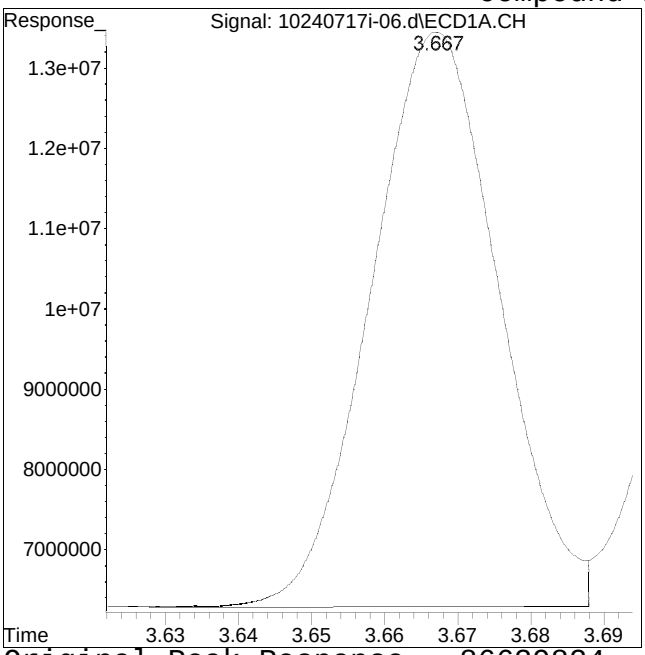
M4 = Poor automated baseline construction.

Manual Integration Report

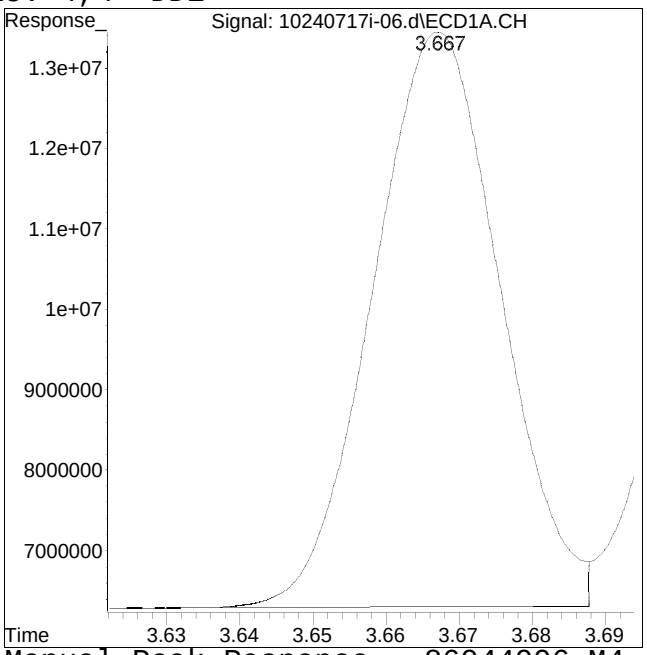
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #15: 4,4'-DDE



Original Peak Response = 86639824



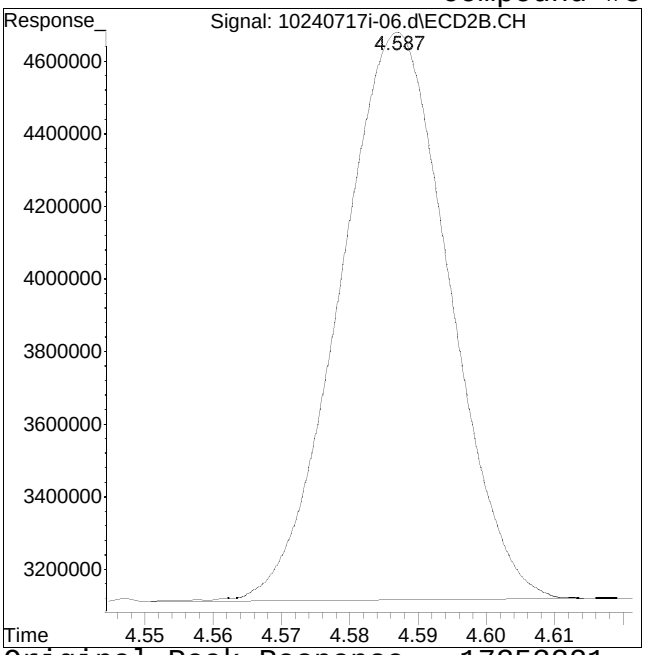
Manual Peak Response = 86044996 M4

M4 = Poor automated baseline construction.

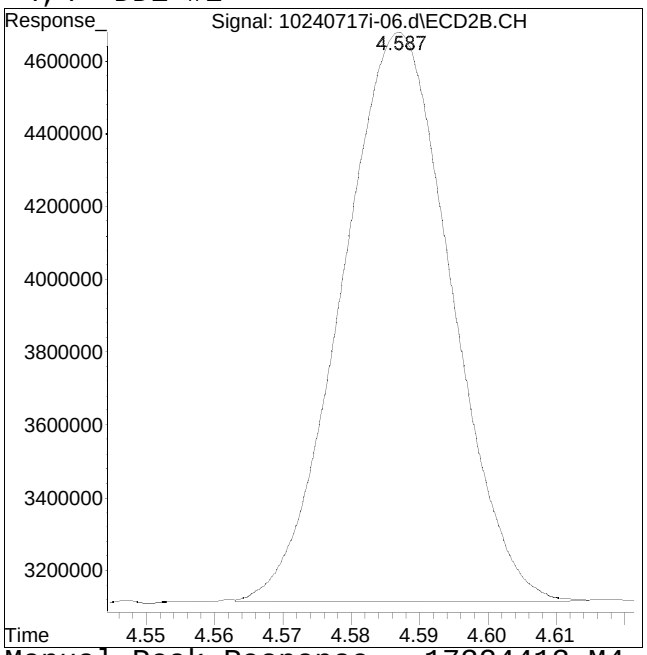
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 17353221



Manual Peak Response = 17324413 M4

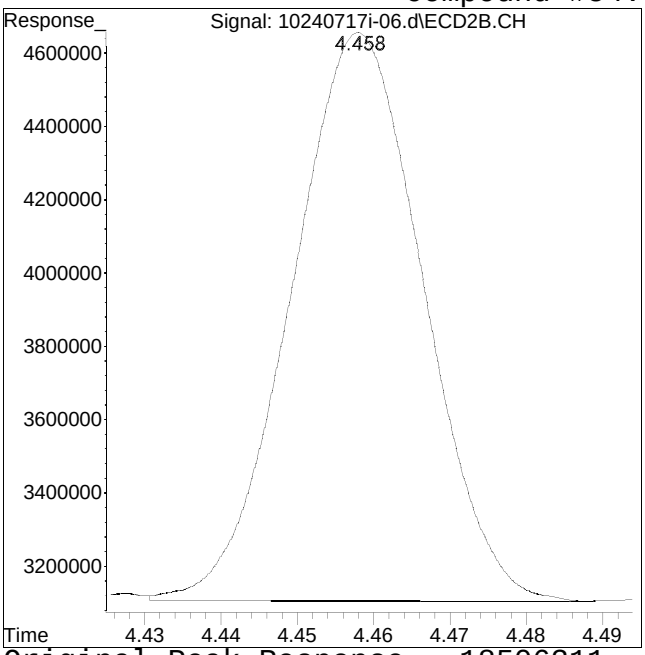
M4 = Poor automated baseline construction.

Manual Integration Report

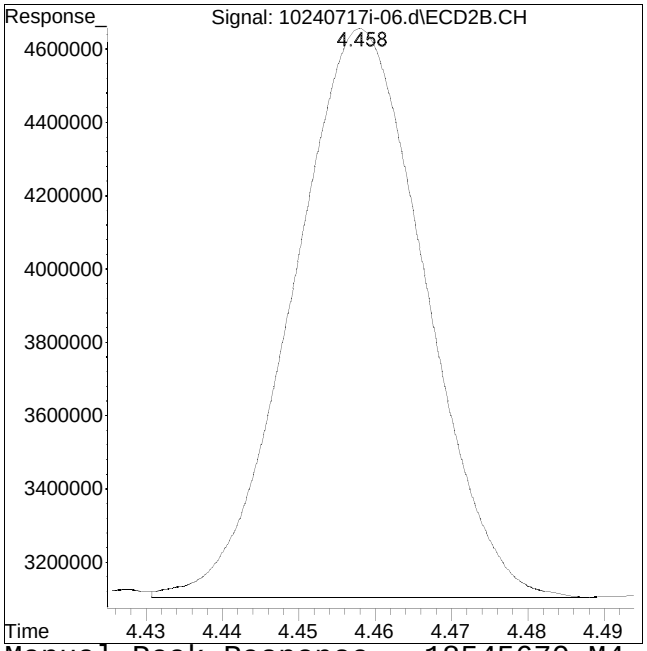
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #54: Endosulfan I #2



Original Peak Response = 18506311



Manual Peak Response = 18545670 M4

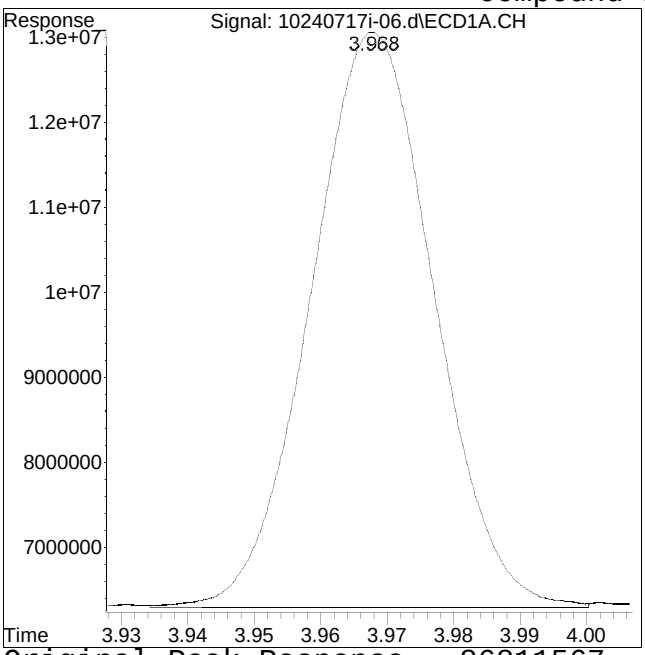
M4 = Poor automated baseline construction.

Manual Integration Report

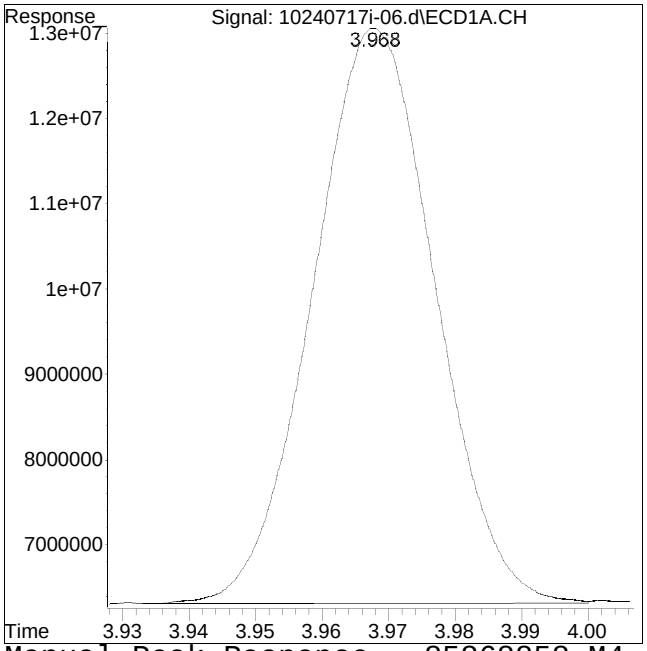
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #17: Dieldrin



Original Peak Response = 86811567



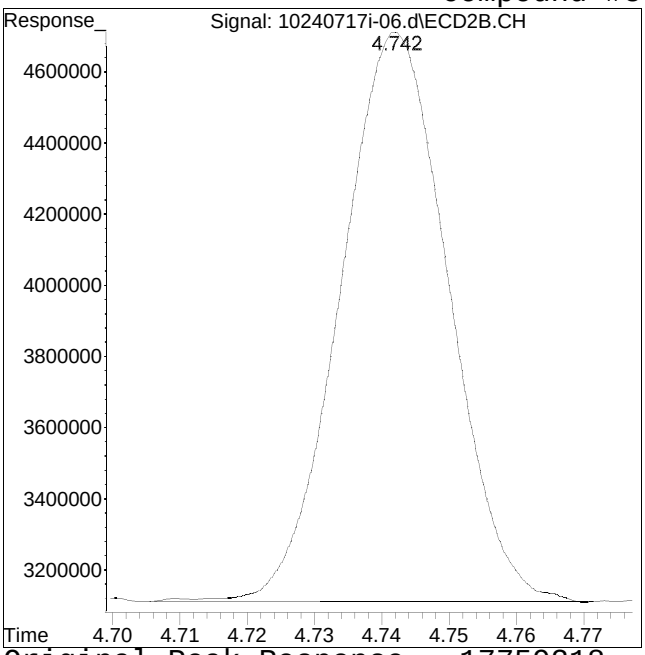
Manual Peak Response = 85868858 M4

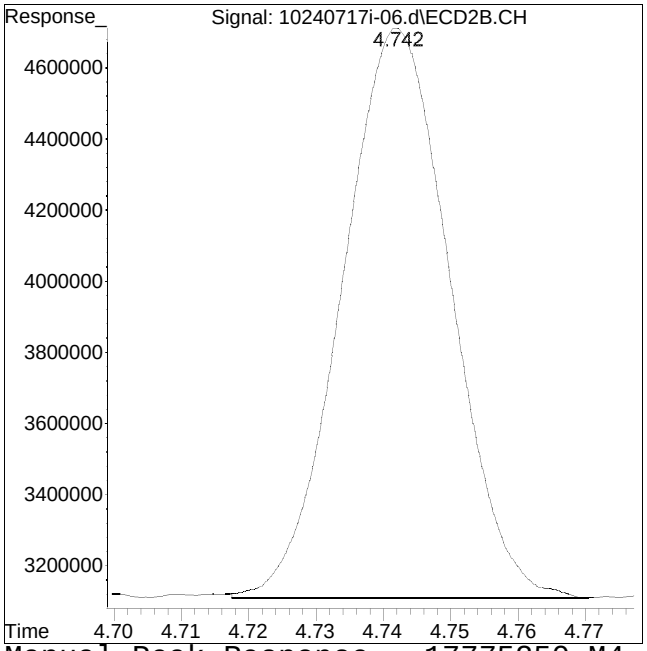
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #55: Dieldrin #2



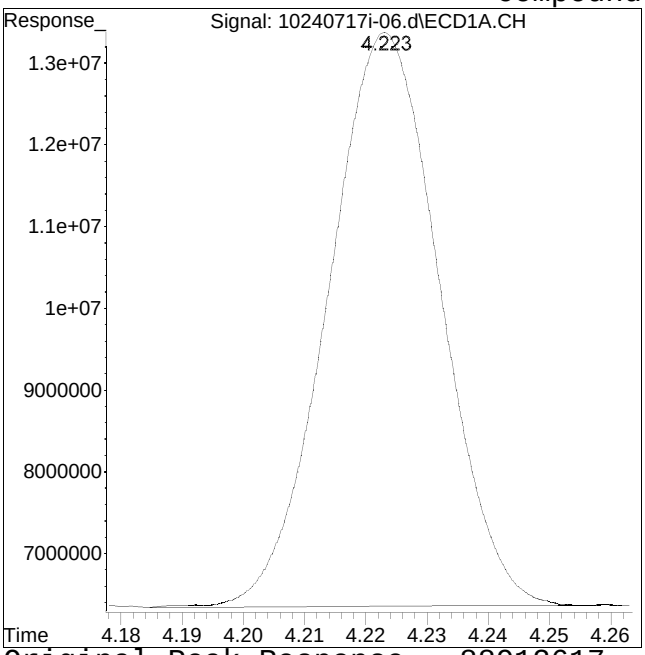


Original Peak Response = 17759218 Manual Peak Response = 17775250 M4
M4 = Poor automated baseline construction.

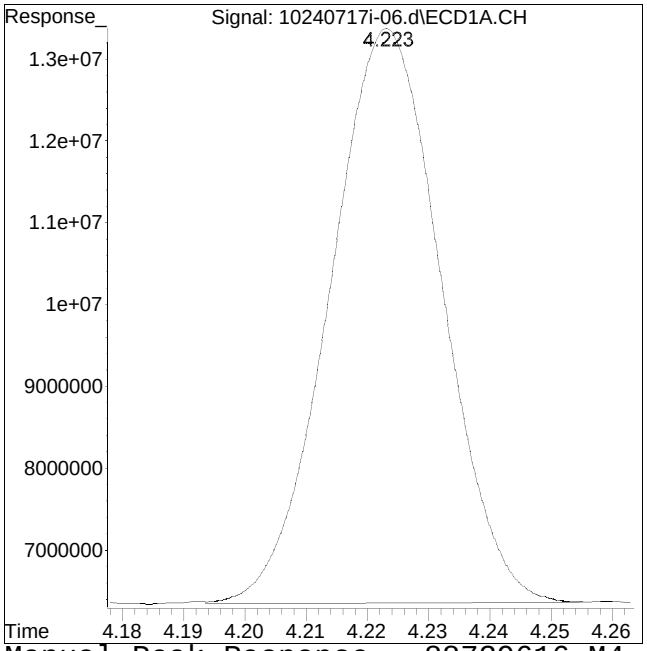
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #18: Endrin



Original Peak Response = 88912617



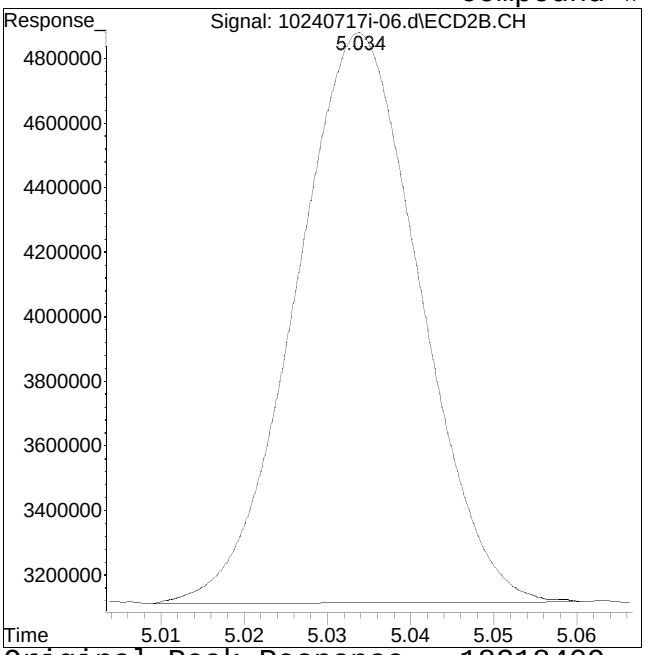
Manual Peak Response = 88739616 M4

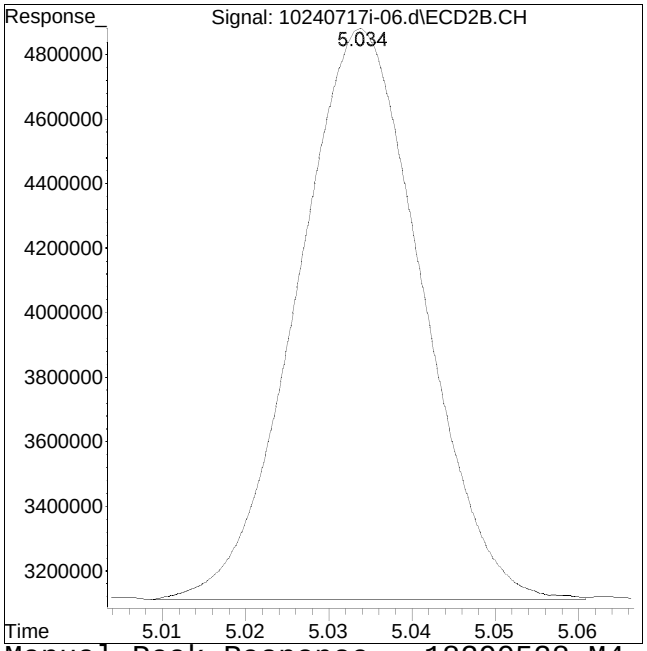
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #56: Endrin #2



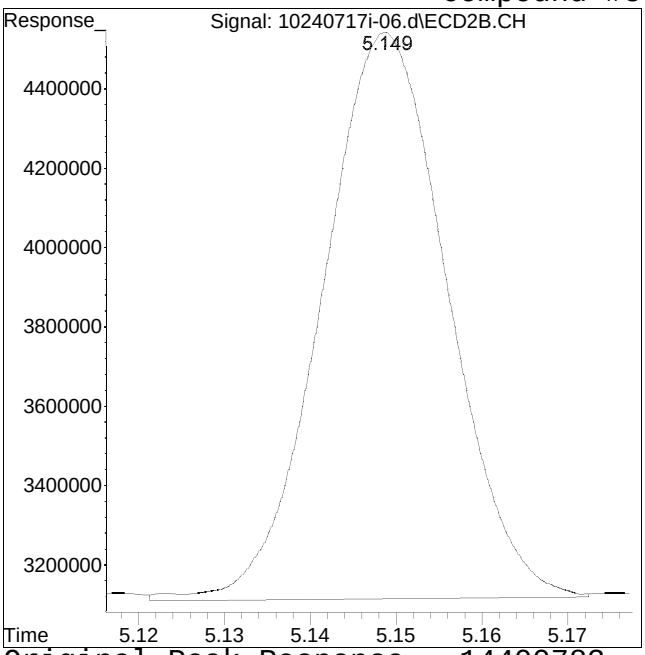


Original Peak Response = 18218409 Manual Peak Response = 18290528 M4
M4 = Poor automated baseline construction.

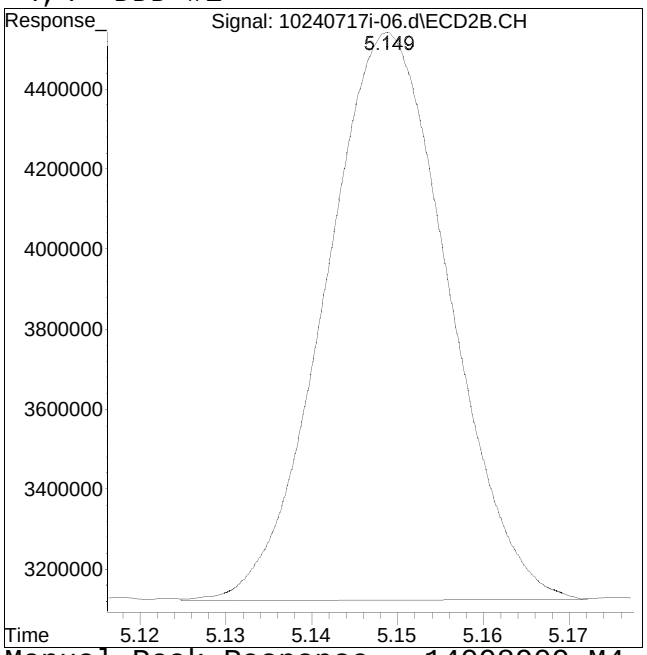
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 14400783

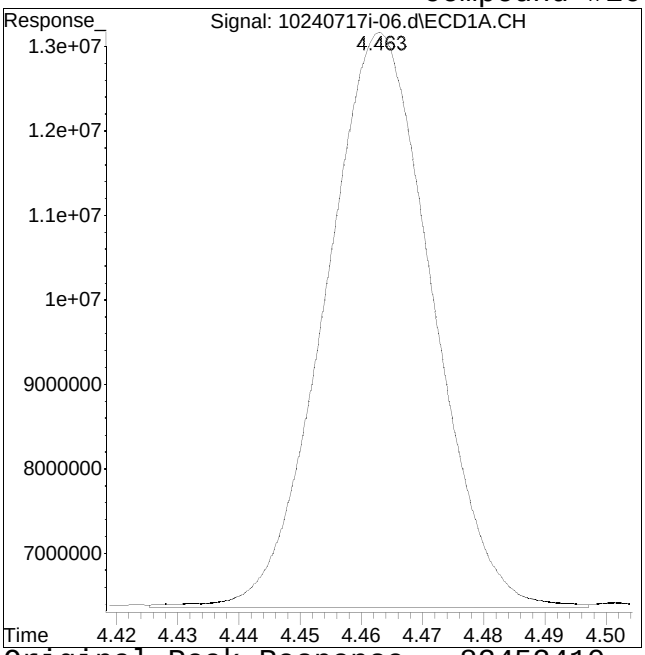


Manual Peak Response = 14098909 M4
M4 = Poor automated baseline construction.

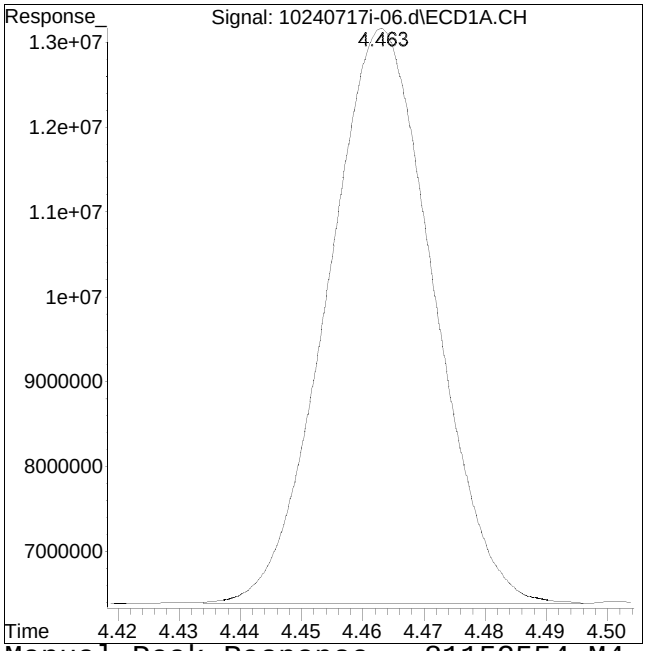
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #20: Endosulfan II



Original Peak Response = 82452410



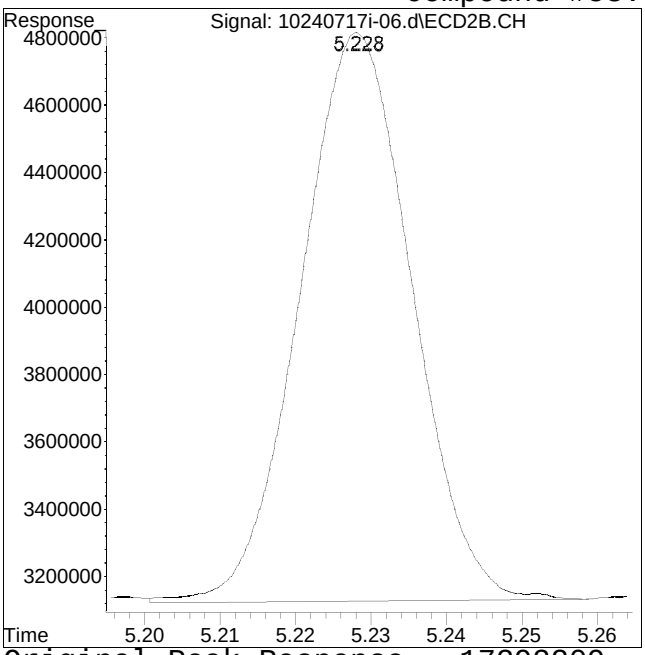
Manual Peak Response = 81152554 M4

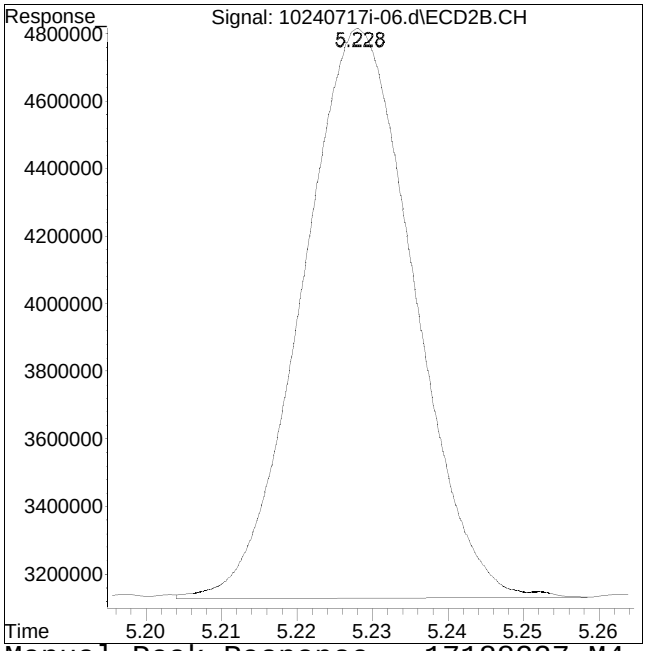
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #58: Endosulfan II #2



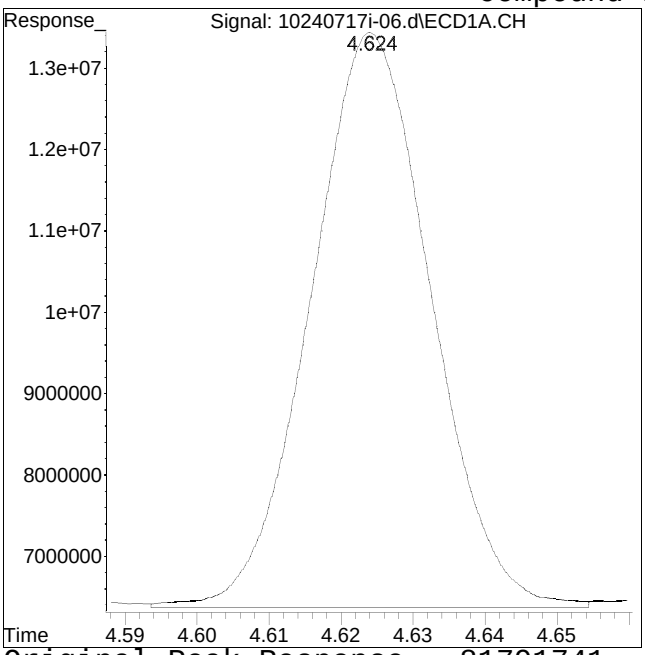


Original Peak Response = 17292209 Manual Peak Response = 17188227 M4
M4 = Poor automated baseline construction.

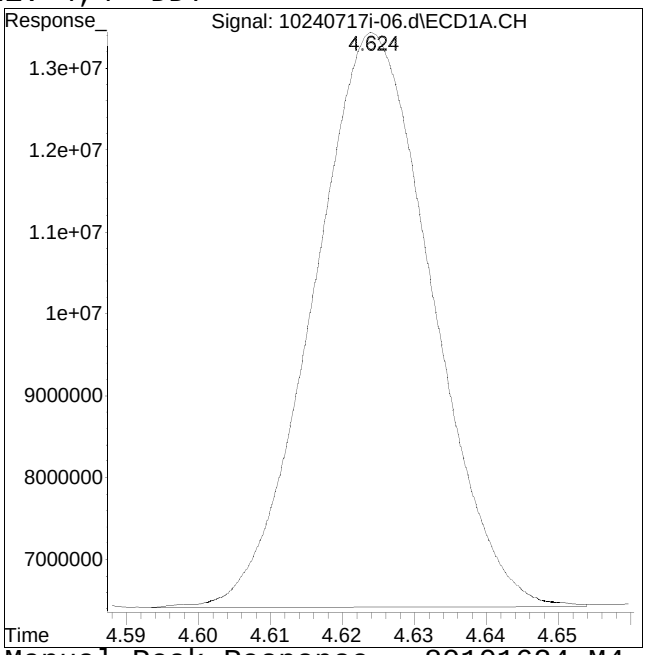
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #21: 4,4'-DDT



Original Peak Response = 81791741



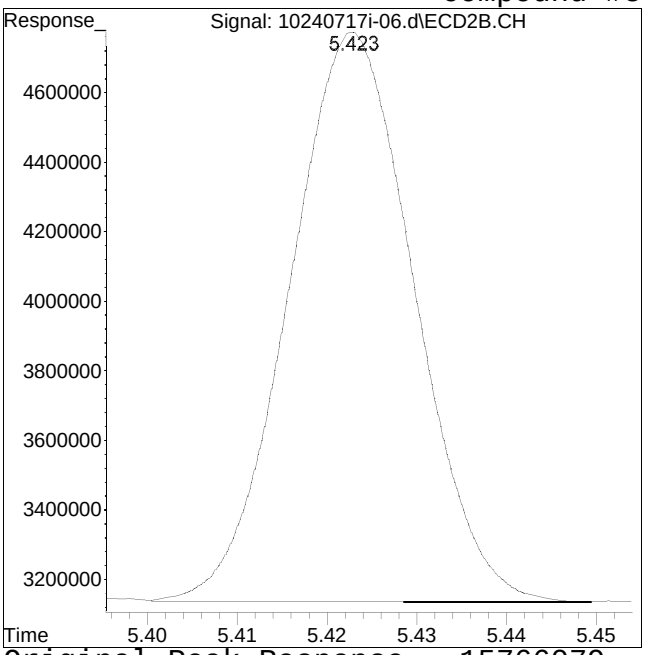
Manual Peak Response = 80101624 M4
M4 = Poor automated baseline construction.

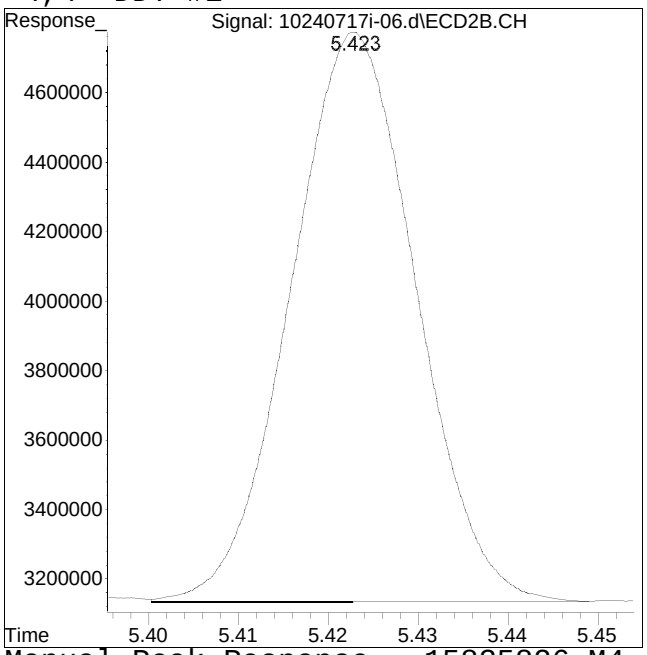
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #59: 4,4'-DDT #2



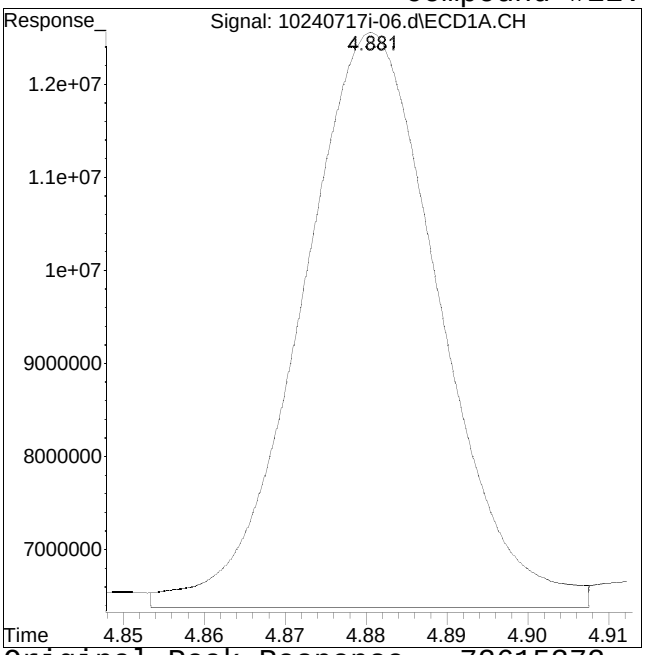


Original Peak Response = 15766079 Manual Peak Response = 15835826 M4
M4 = Poor automated baseline construction.

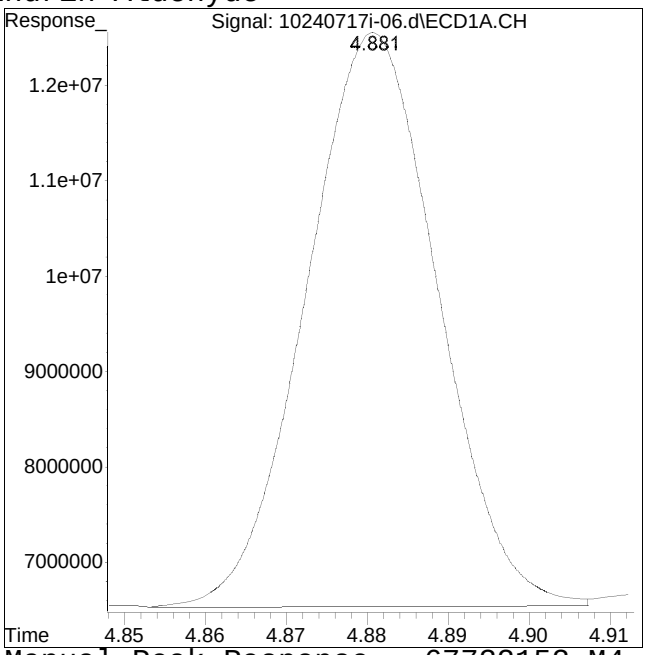
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #22: Endrin Aldehyde



Original Peak Response = 72615372



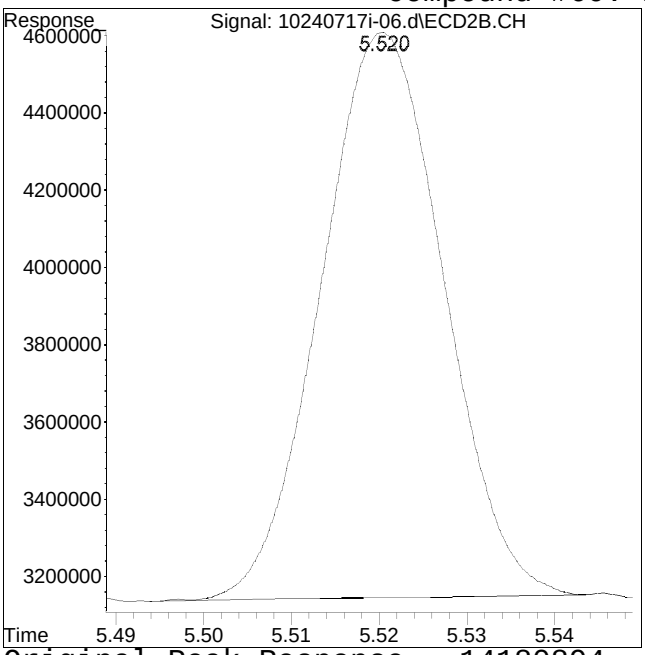
Manual Peak Response = 67732152 M4

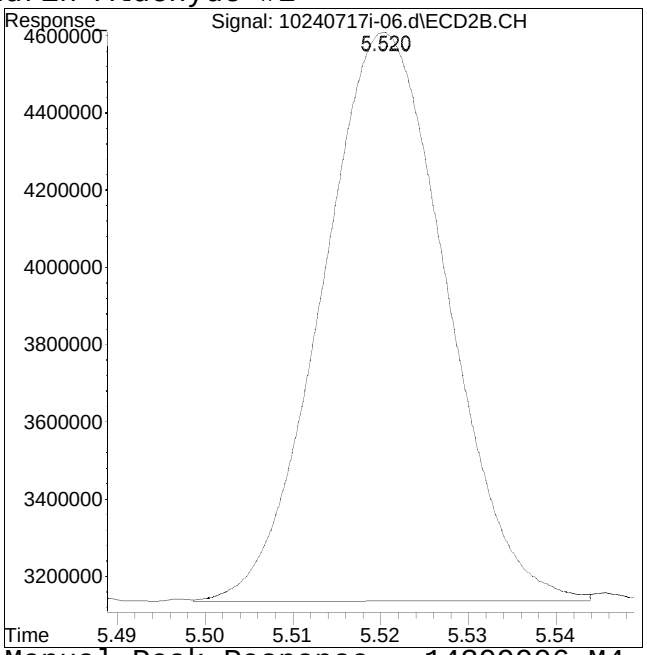
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #60: Endrin Aldehyde #2



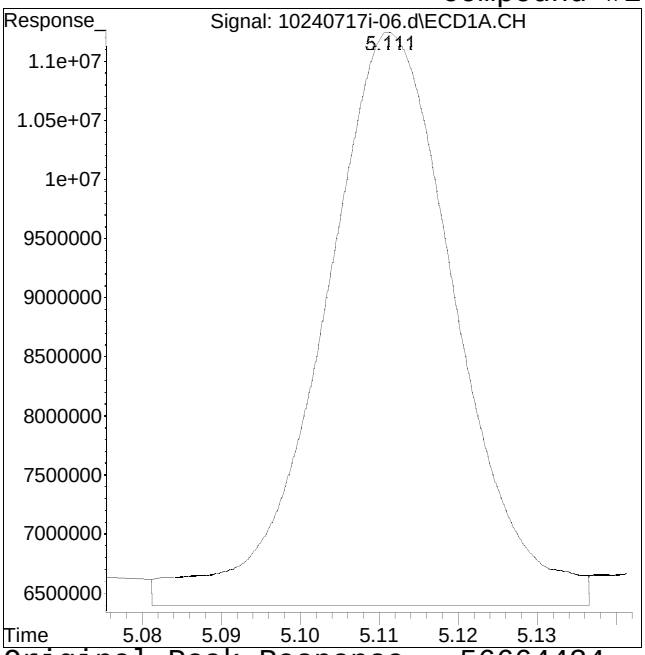


Original Peak Response = 14180894 Manual Peak Response = 14399906 M4
M4 = Poor automated baseline construction.

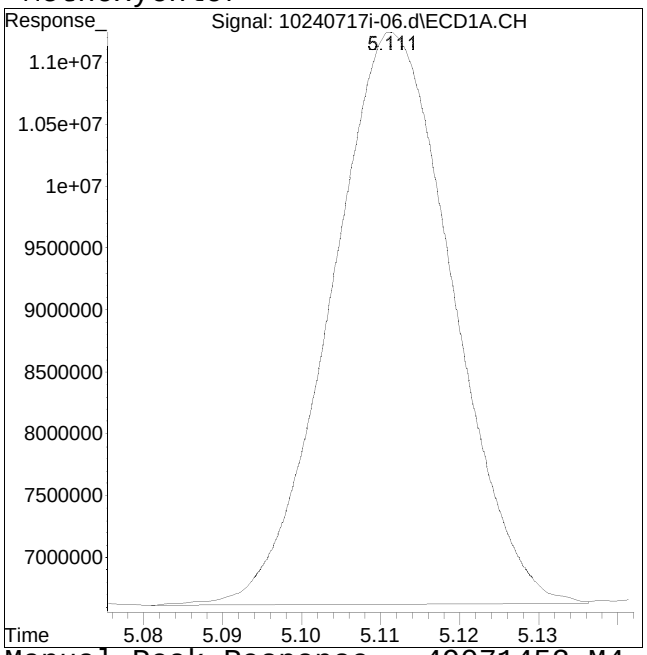
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #23: Methoxychlor



Original Peak Response = 56664434



Manual Peak Response = 49071452 M4

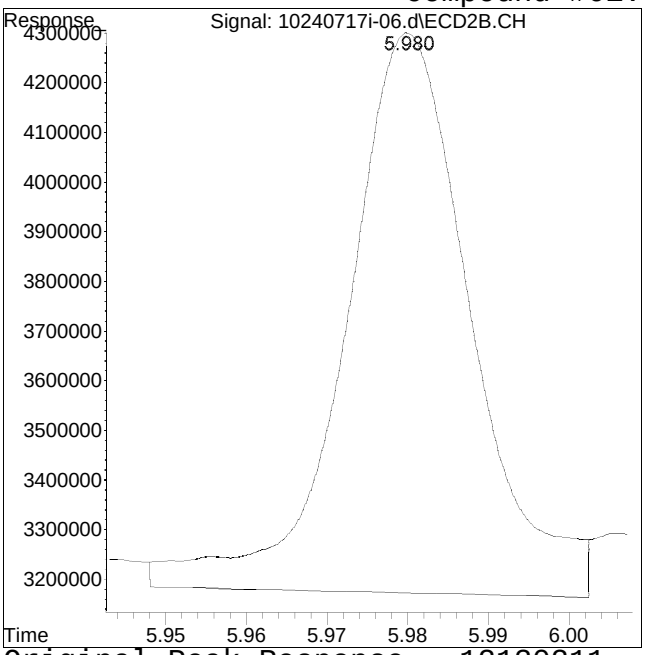
M4 = Poor automated baseline construction.

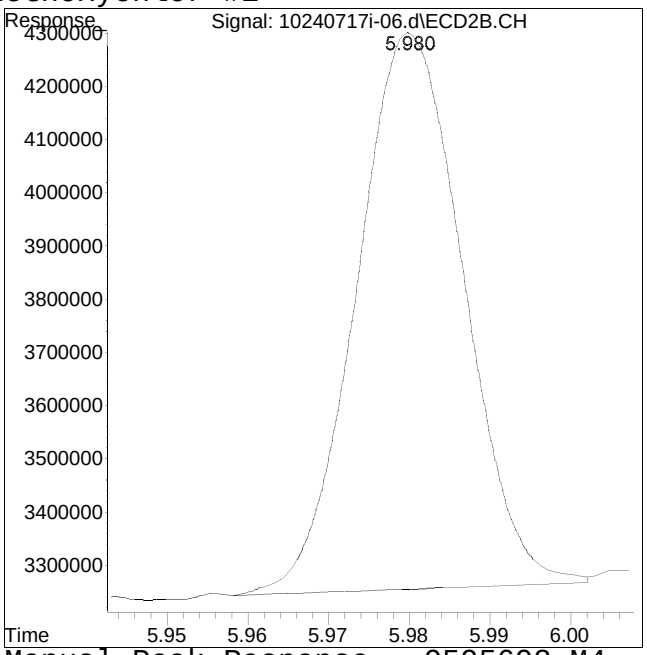
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #61: Methoxychlor #2





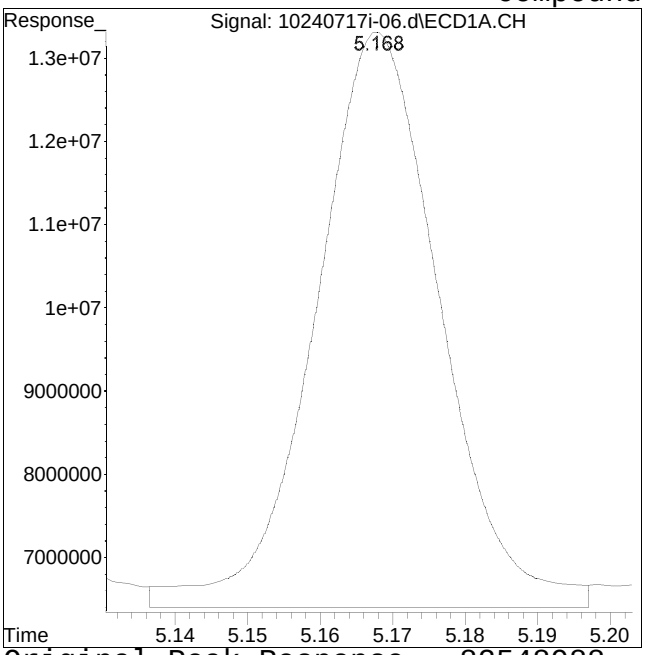
Original Peak Response = 12130211 Manual Peak Response = 9595692 M4
M4 = Poor automated baseline construction.

Manual Integration Report

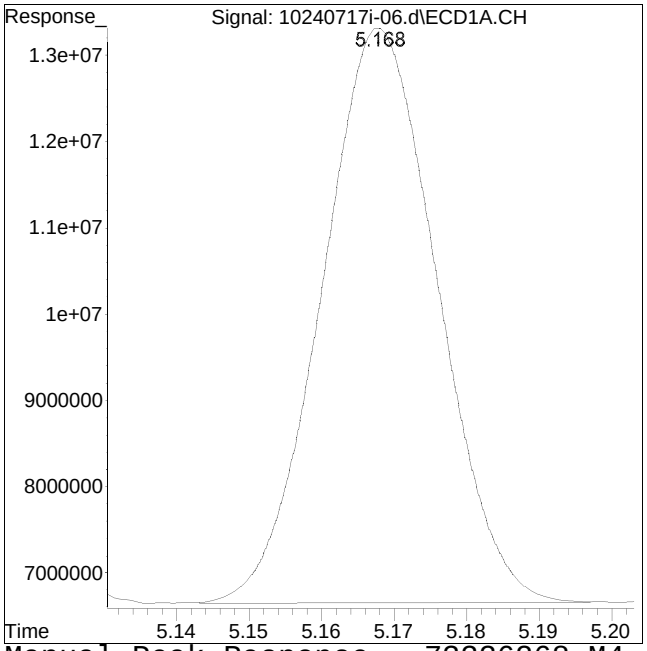
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #24: Mirex



Original Peak Response = 82548988



Manual Peak Response = 73336268 M4

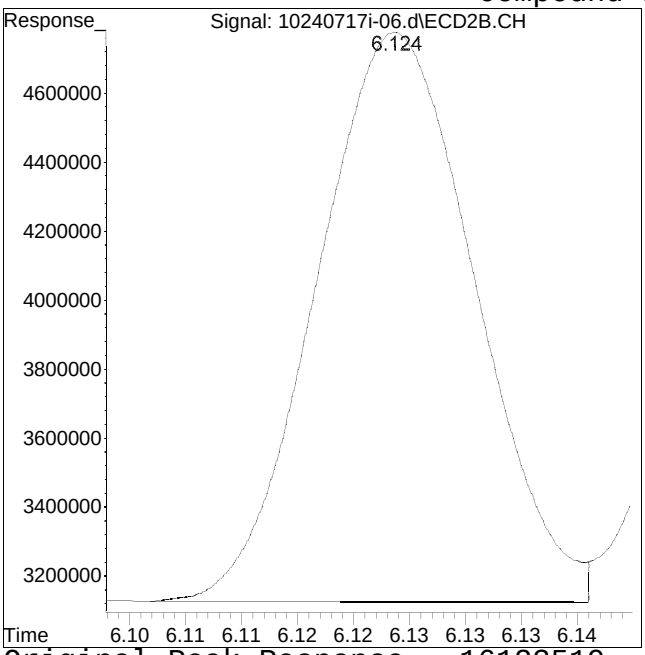
M4 = Poor automated baseline construction.

Manual Integration Report

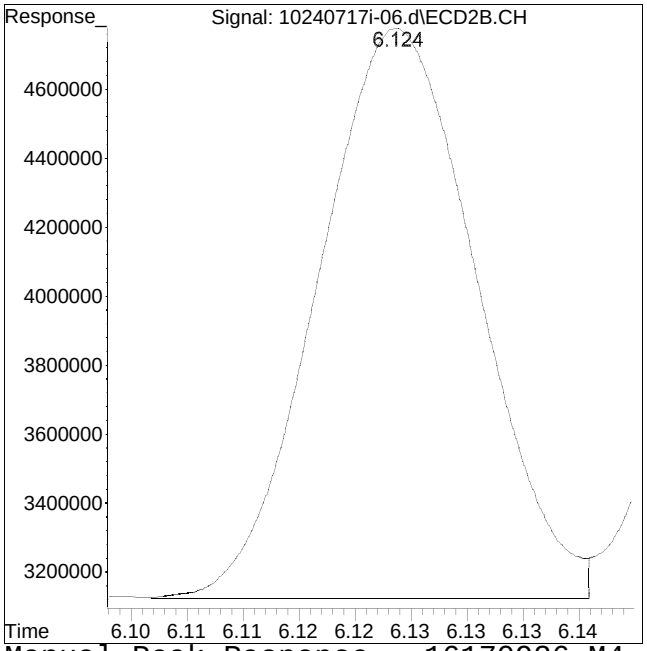
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #62: Mirex #2



Original Peak Response = 16123519



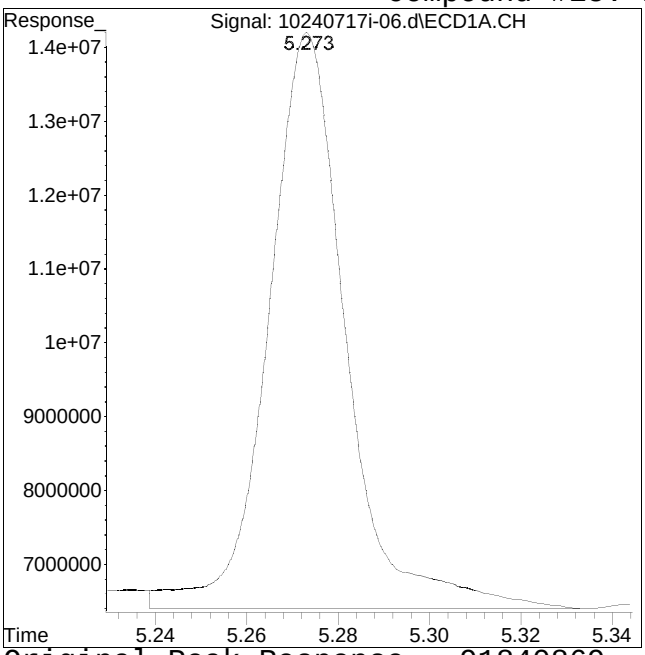
Manual Peak Response = 16170926 M4

M4 = Poor automated baseline construction.

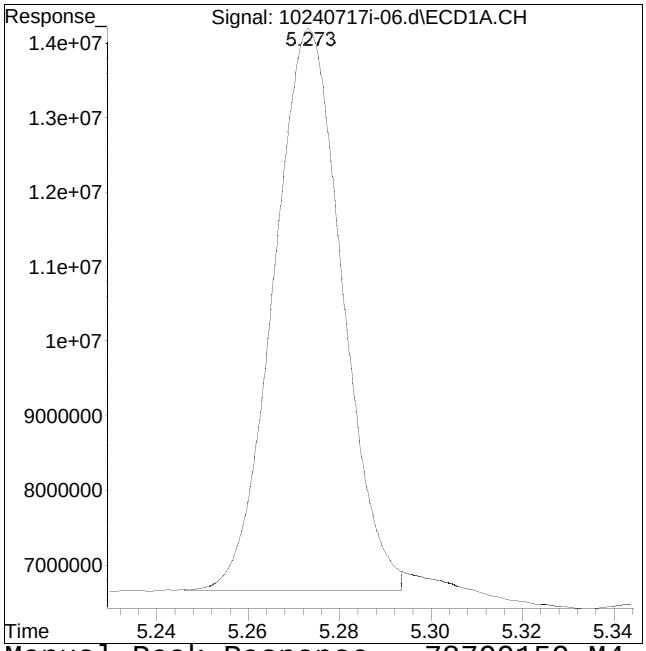
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 91840869

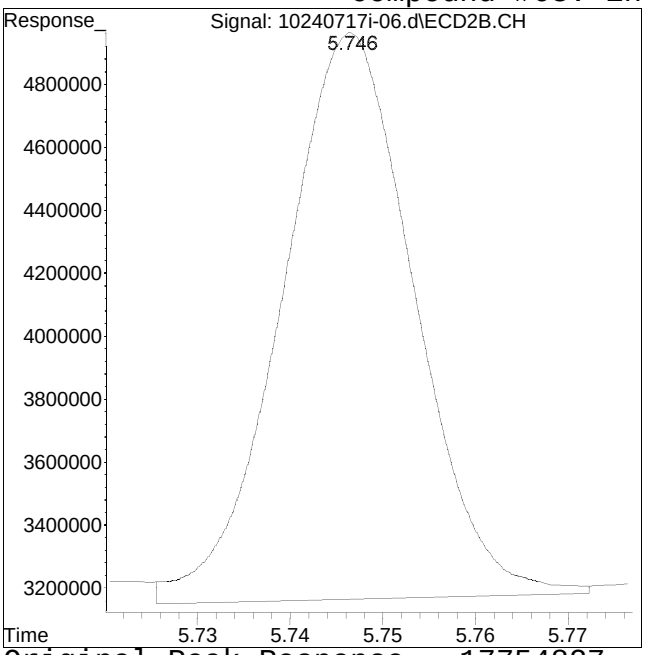


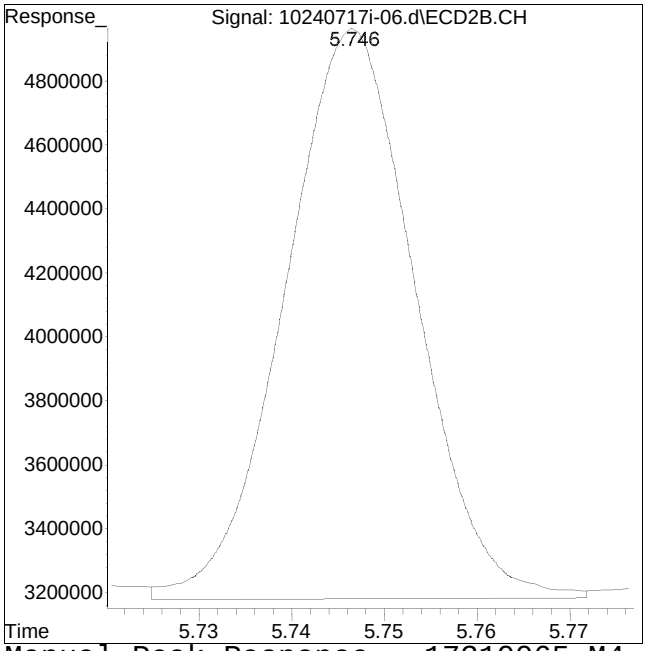
Manual Peak Response = 78799159 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #63: Endosulfan Sulfate #2





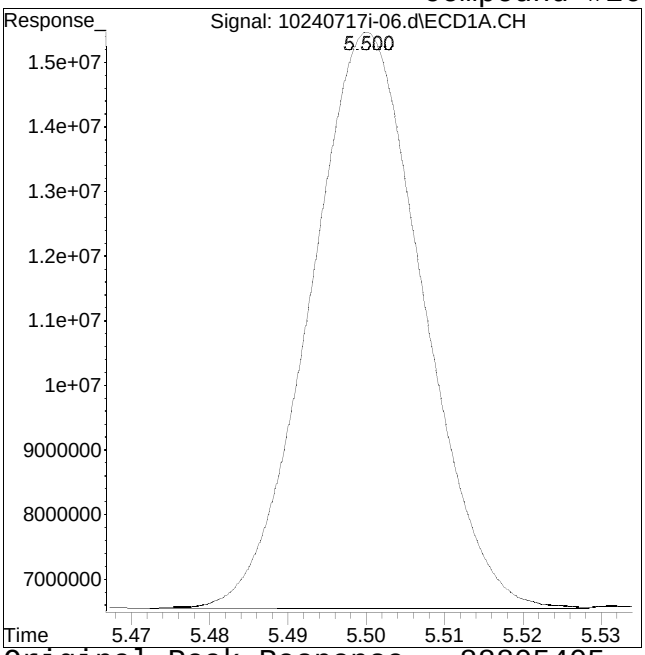
Original Peak Response = 17754827 Manual Peak Response = 17310065 M4
M4 = Poor automated baseline construction.

Manual Integration Report

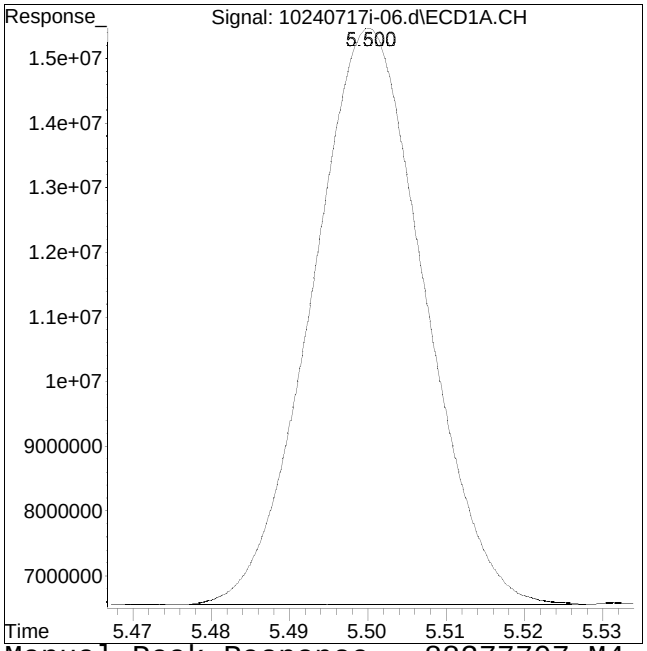
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-06.d
Date Inj'd : 7/17/2024 12:42 pm
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #26: Endrin Ketone



Original Peak Response = 88805405



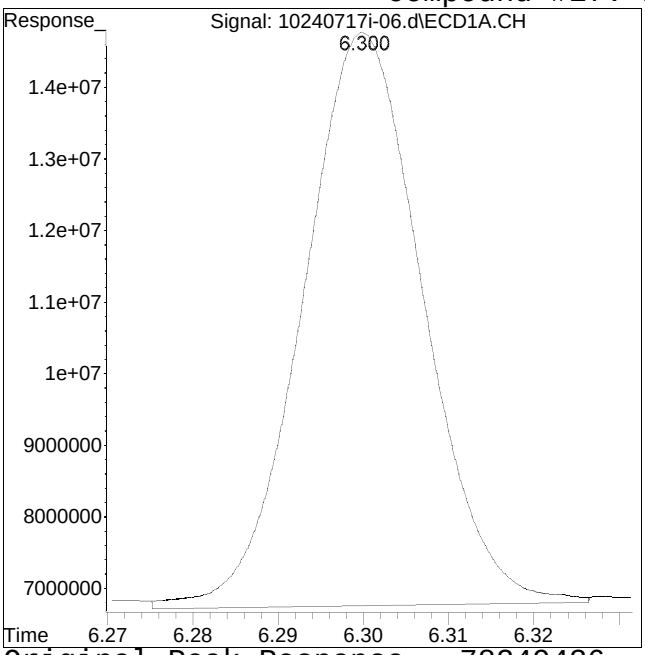
Manual Peak Response = 88377707 M4

M4 = Poor automated baseline construction.

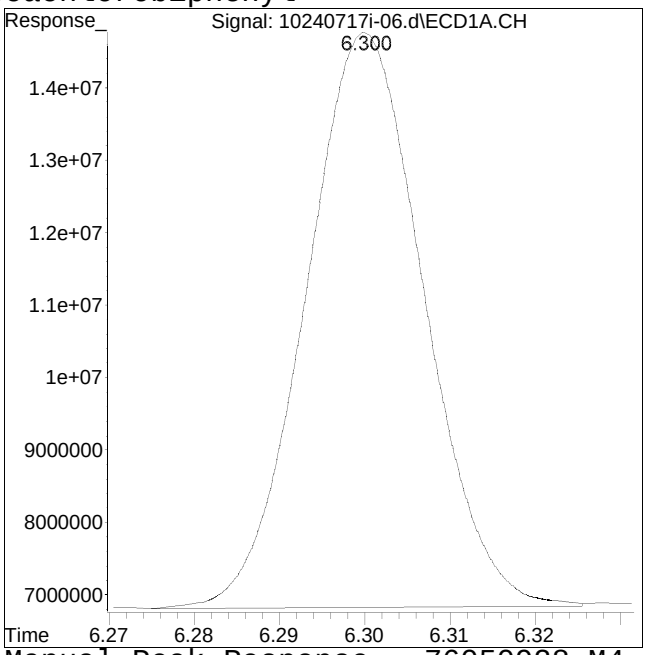
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 78249436



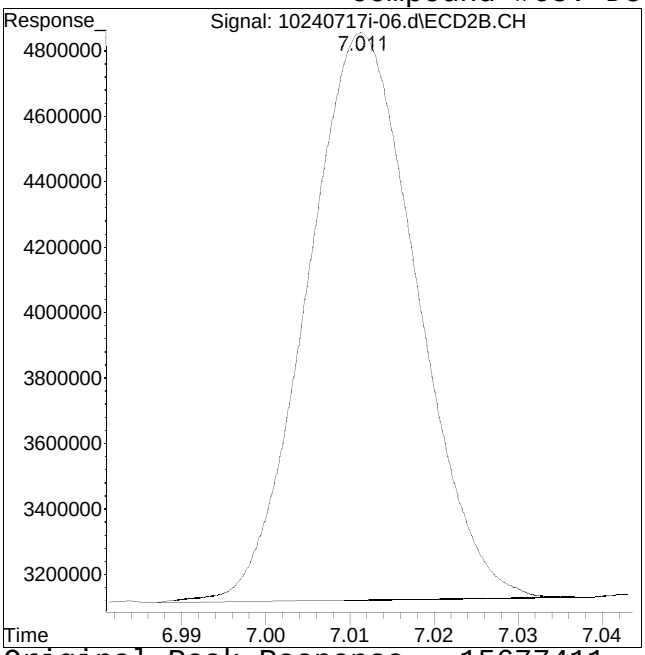
Manual Peak Response = 76050928 M4

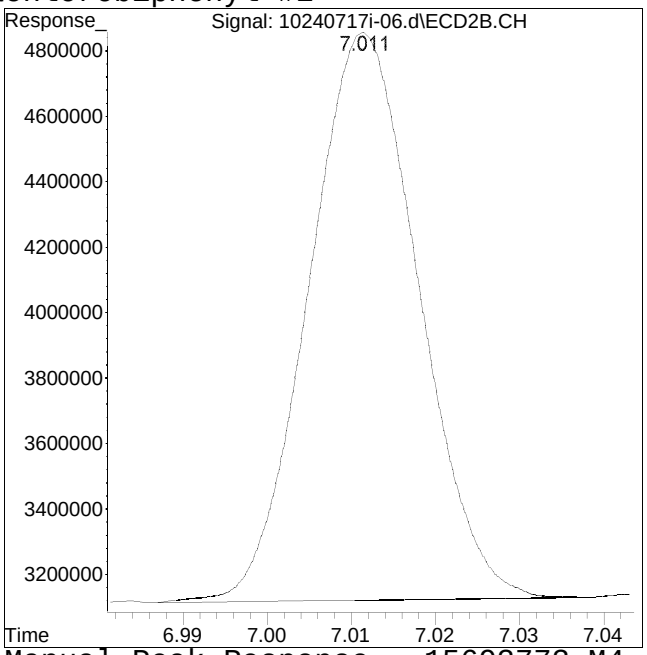
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-06.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:42 pm Instrument : Pest 10
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/18/2024 10:56 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 15677411 Manual Peak Response = 15693773 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:53 pm
Operator : PEST10:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:00 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:55:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.318	1.435	521.4E6	121.9E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.662	1.926	99454972	21330836	4.203M4	4.301M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		8.41%#	8.60%#
27) s	Decachlorobi	6.300	7.012	100.1E6	20920236	4.350M4	4.531M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		8.70%#	9.06%#
	Target Compounds						
3) t	Hexachlorobe	1.876	2.257	106.6E6	24494895	4.232M4	4.406M4
4) t	alpha-BHC	1.974	2.355	132.1E6	27683641	3.910M4	4.000M4
5) t	gamma-BHC (l	2.177	2.648	126.5E6	26556427	3.917M4	4.012M4
6) t	beta-BHC	2.233	2.714	60023455	14013914	4.289M4	4.449M4
7) t	delta-BHC	2.361	2.987	125.1E6	26416783	3.899M4	4.002M4
8) t	Heptachlor	2.524	3.056	127.0E6	27620630	4.198M4	4.241M4
9) t	Aldrin	2.766	3.384	117.7E6	24595389	4.088M4	4.121
10) t	Alachlor	2.888	3.260	21570706	5171122	4.905M4	4.815M4
11) t	Chlorpyrifos	2.979	3.622	65156970	15734944	4.700M4	4.586M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:53 pm
Operator : PEST10:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:00 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:55:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) t	Heptachlor E	3.311	4.012	116.7E6	25649024	4.273M4	4.303
13) t	gamma-Chlord	3.435	4.234	104.6E6	22231324	4.149M4	4.177
14) t	alpha-Chlord	3.570	4.398	121.9E6	26111274	4.208M4	4.318M4
15) t	4,4'-DDE	3.666	4.587	113.2E6	23133067	4.058M4	4.061M4
16) t	Endosulfan I	3.708	4.458	111.4E6	23934004	4.294	4.267M4
17) t	Dieldrin	3.967	4.742	112.5E6	23322621	4.165M4	4.176M4
18) t	Endrin	4.223	5.035	116.9E6	23978847	4.204	4.209
19) t	4,4'-DDD	4.331	5.150	93557437	18662594	4.111	4.102
20) t	Endosulfan I	4.463	5.229	106.3E6	22494252	4.289	4.310
21) t	4,4'-DDT	4.624	5.423	105.2E6	20818137	4.128	4.143M4
22) t	Endrin Aldeh	4.880	5.521	87987877	18575428	4.290M4	4.275M4
23) t	Methoxychlor	5.111	5.980	64569753	12723332	4.541M4	4.486M4
24) t	Mirex	5.168	6.124	96236855	20757927	4.394M4	4.486M4
25) t	Endosulfan S	5.273	5.747	102.9E6	21815303	4.304M3	4.324M4
26) t	Endrin Keton	5.500	6.157	116.0E6	23712667	4.322M4	4.326M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:53 pm
Operator : PEST10:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:00 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:55:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

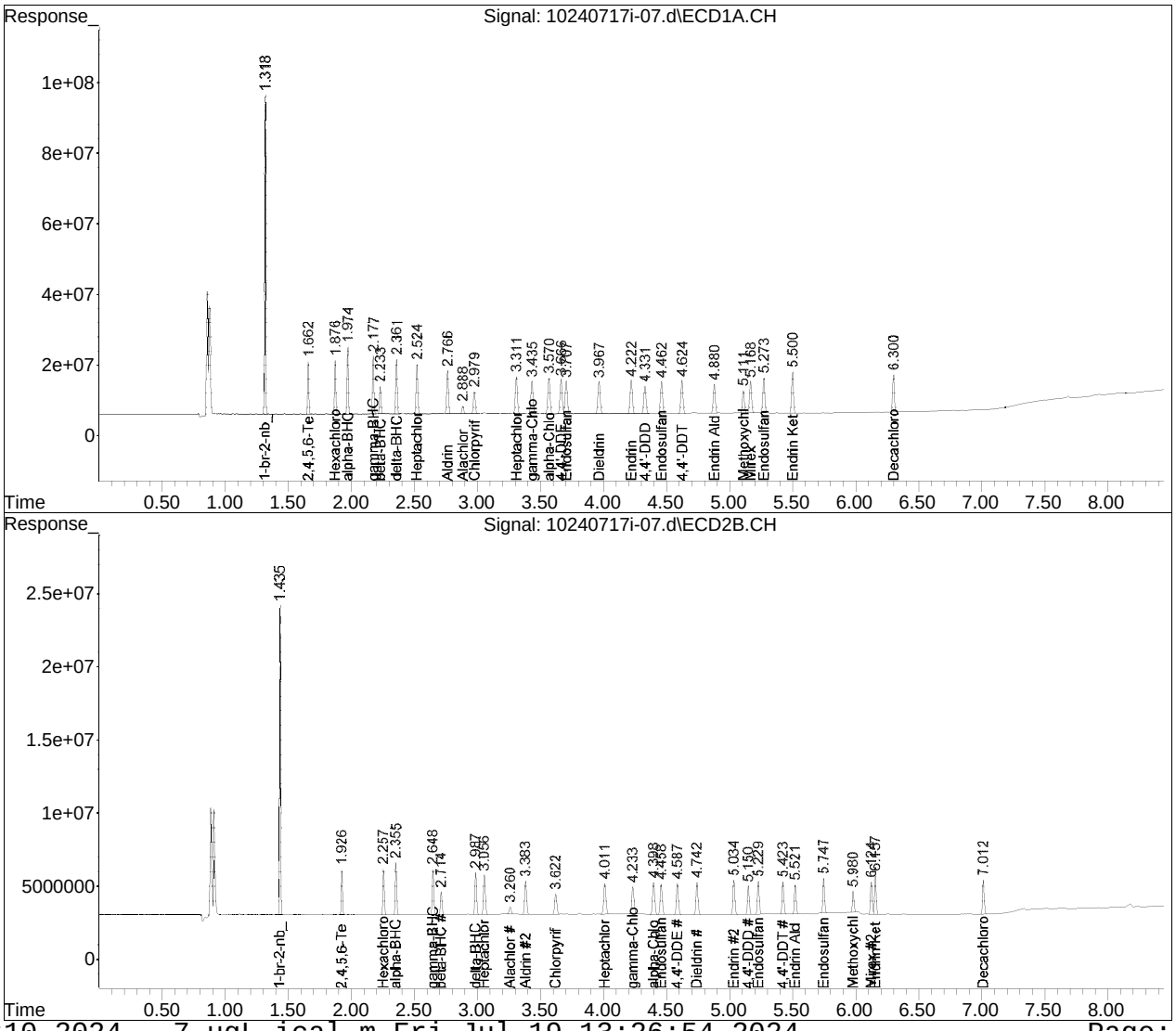
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 12:53 pm
Operator : PEST10:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 10:56:00 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 10:55:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

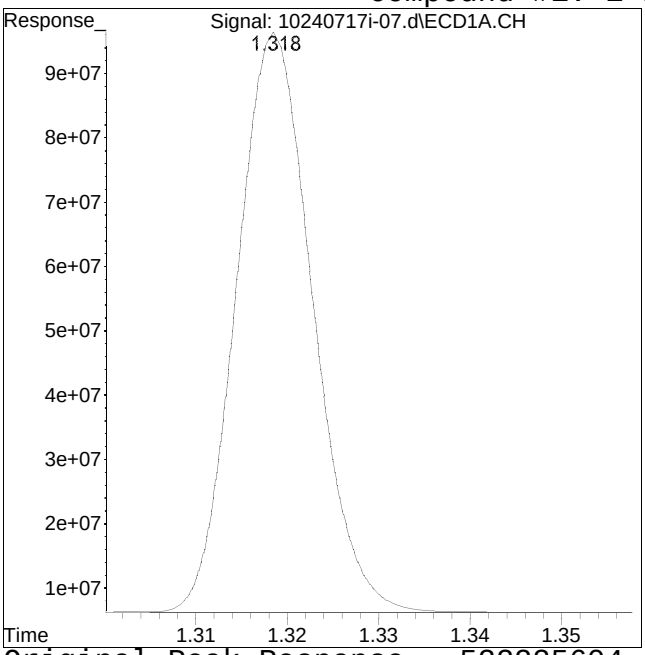
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

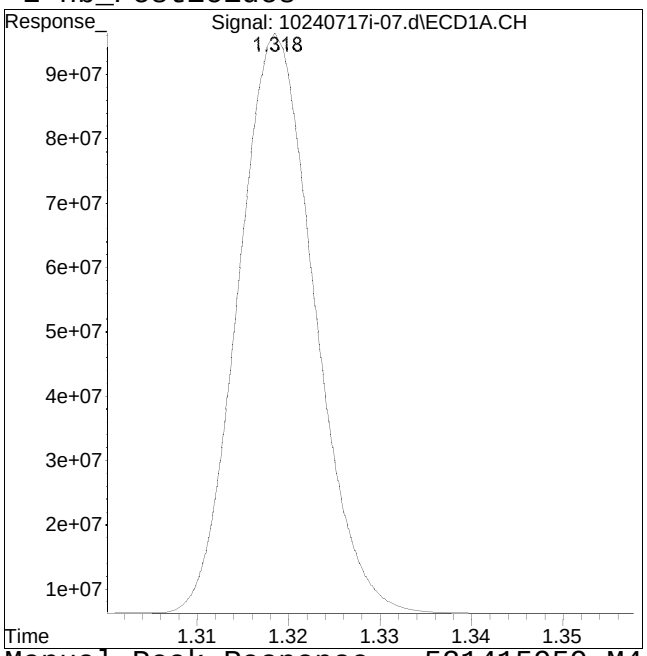


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #1: 1-br-2-nb_Pesticides





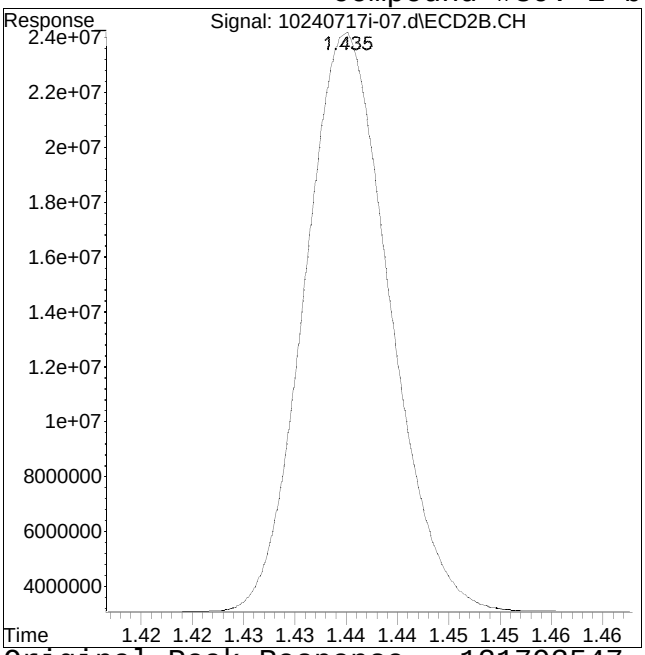
Original Peak Response = 522225604 Manual Peak Response = 521415959 M4
M4 = Poor automated baseline construction.

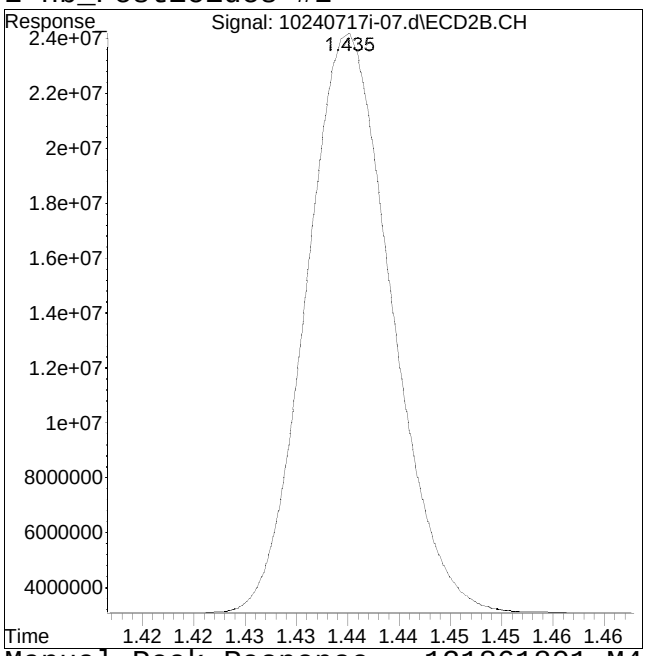
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #39: 1-br-2-nb_Pesticides #2



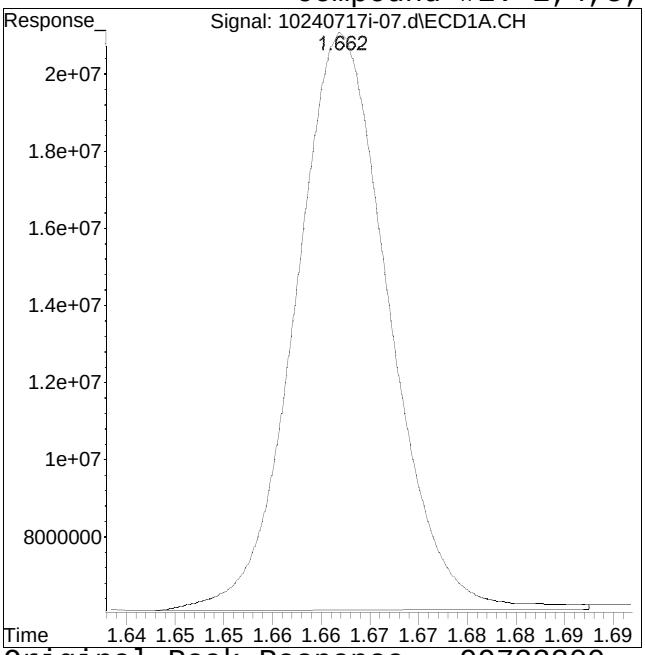


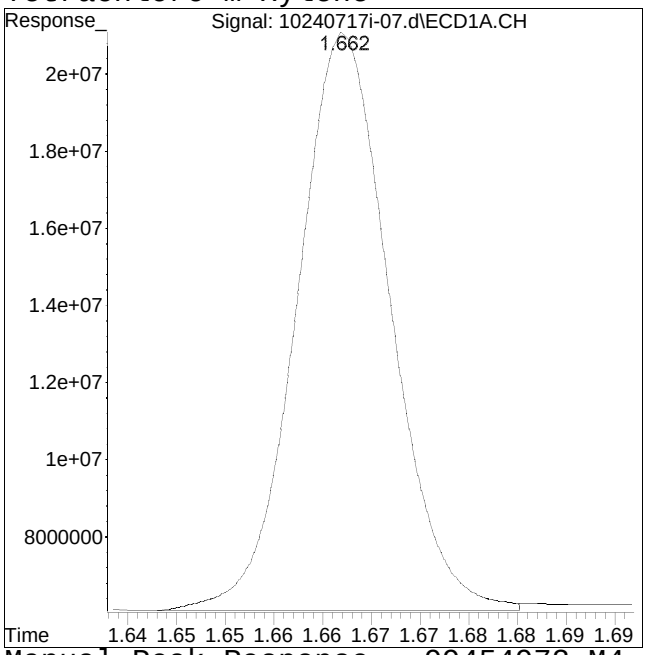
Original Peak Response = 121793547 Manual Peak Response = 121861801 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





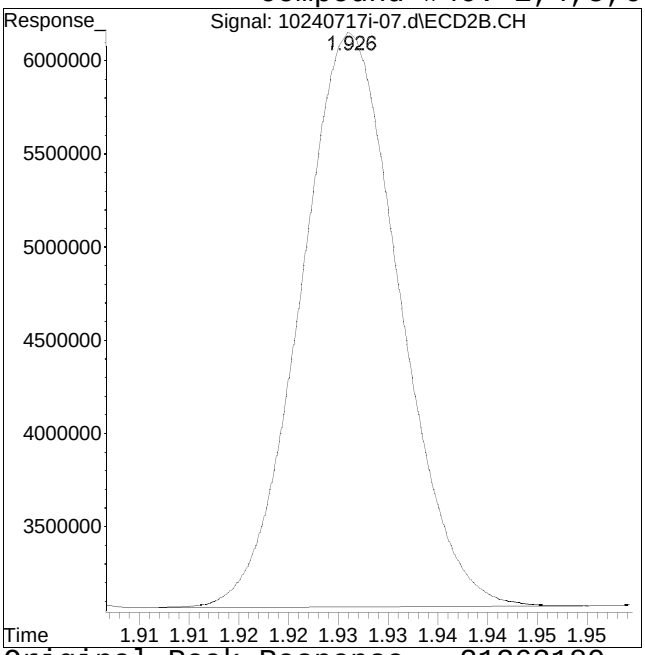
Original Peak Response = 99723300 Manual Peak Response = 99454972 M4
M4 = Poor automated baseline construction.

Manual Integration Report

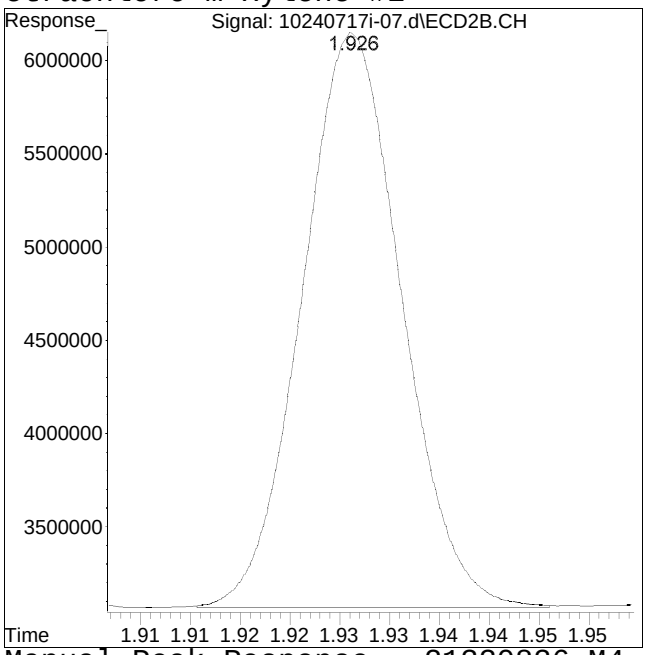
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 21263180



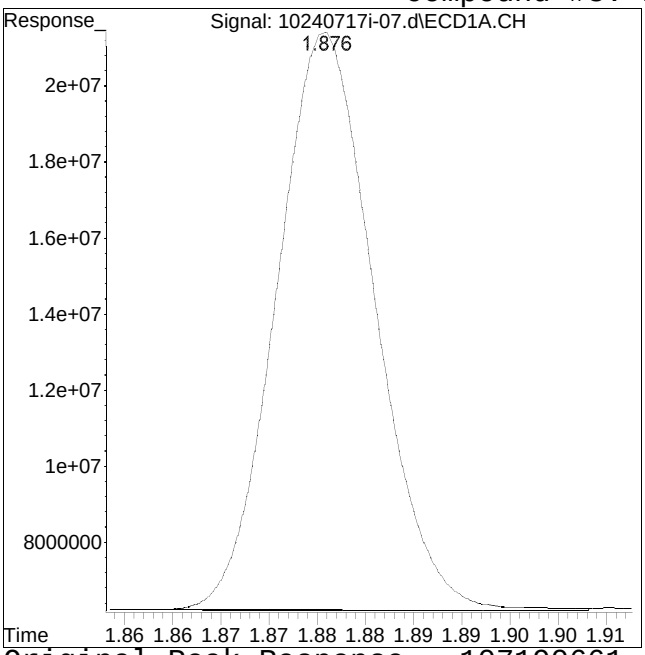
Manual Peak Response = 21330836 M4

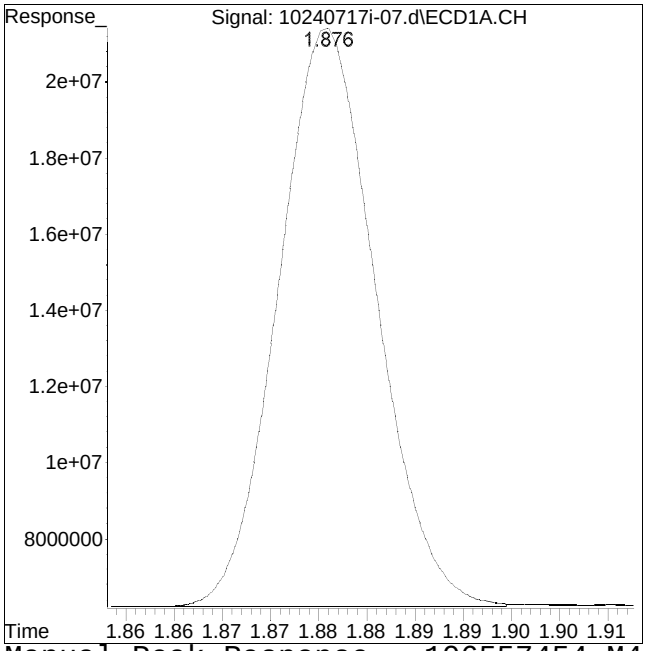
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #3: Hexachlorobenzene



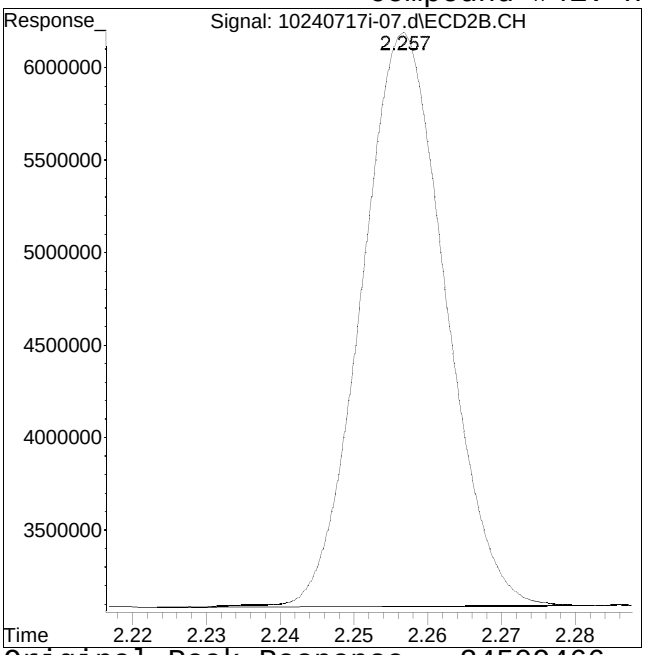


Original Peak Response = 107190661 Manual Peak Response = 106557454 M4
M4 = Poor automated baseline construction.

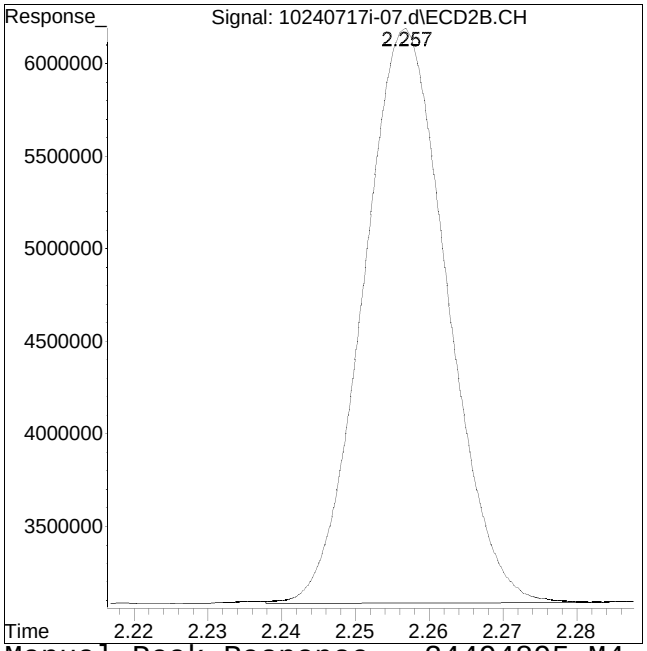
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 24509466



Manual Peak Response = 24494895 M4

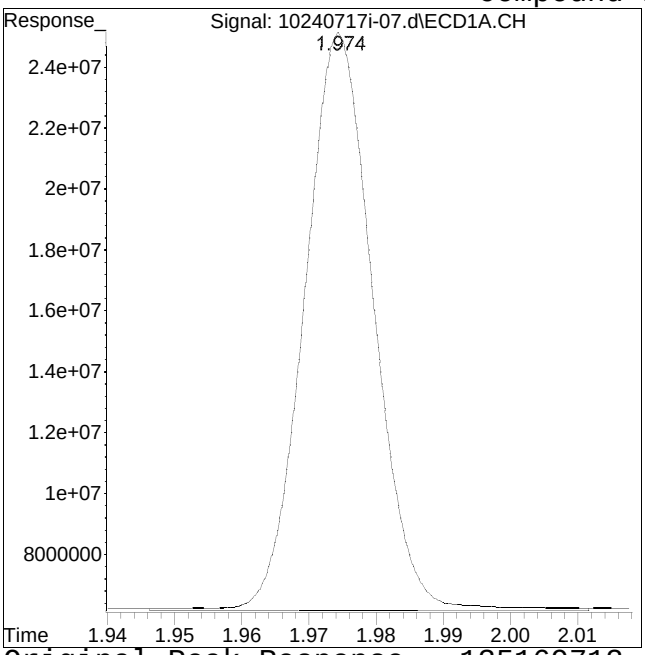
M4 = Poor automated baseline construction.

Manual Integration Report

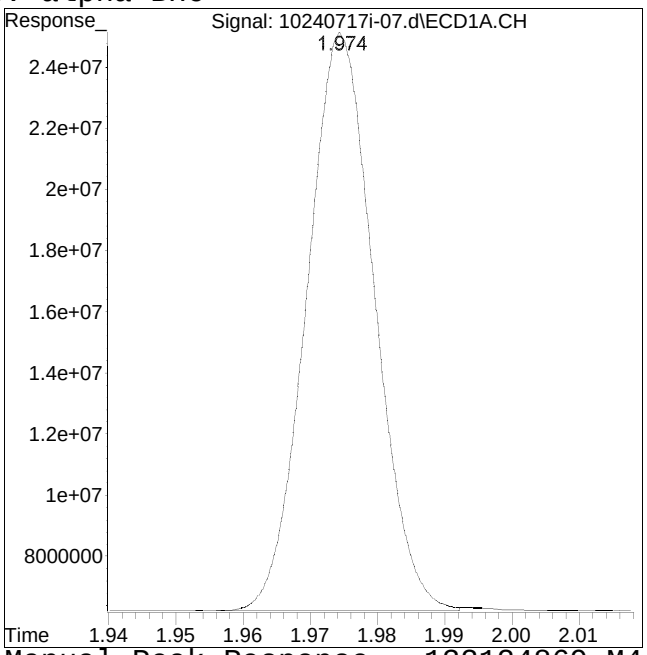
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #4: alpha-BHC



Original Peak Response = 135169712



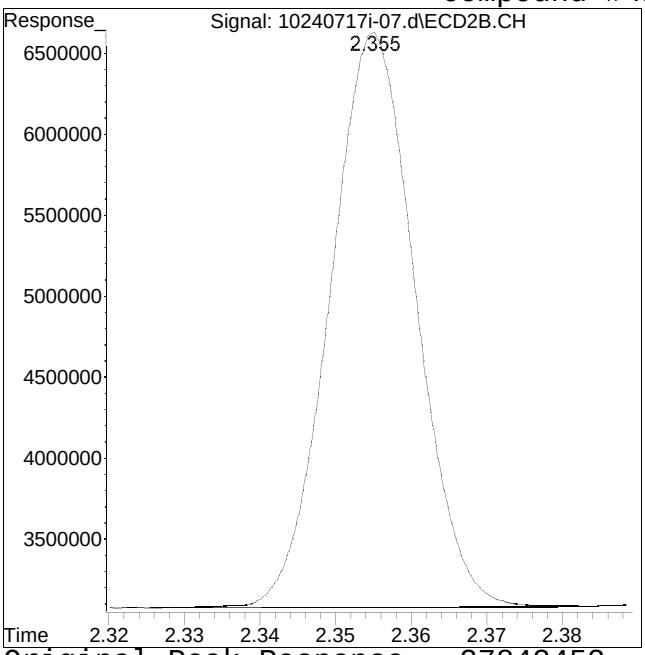
Manual Peak Response = 132124869 M4

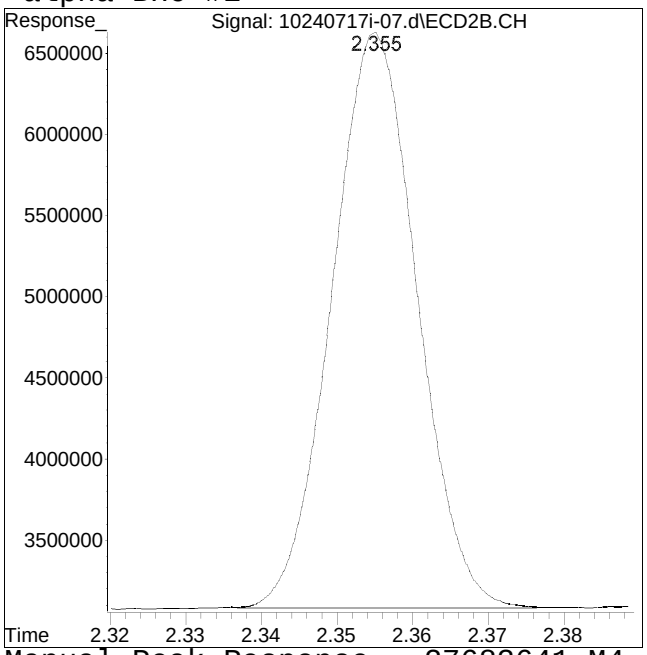
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #42: alpha-BHC #2



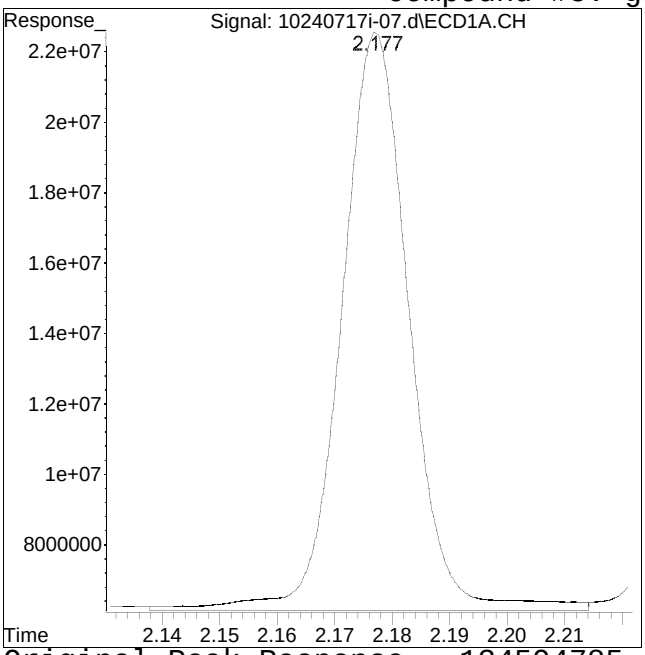


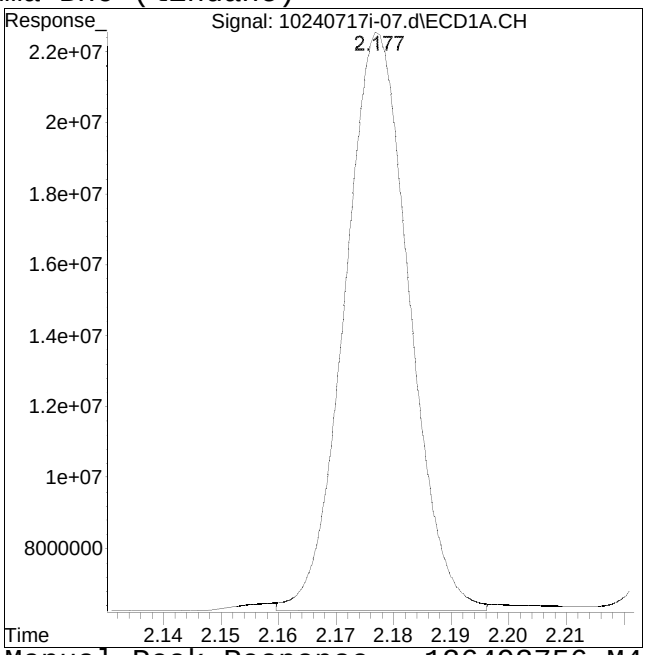
Original Peak Response = 27842452 Manual Peak Response = 27683641 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #5: gamma-BHC (lindane)



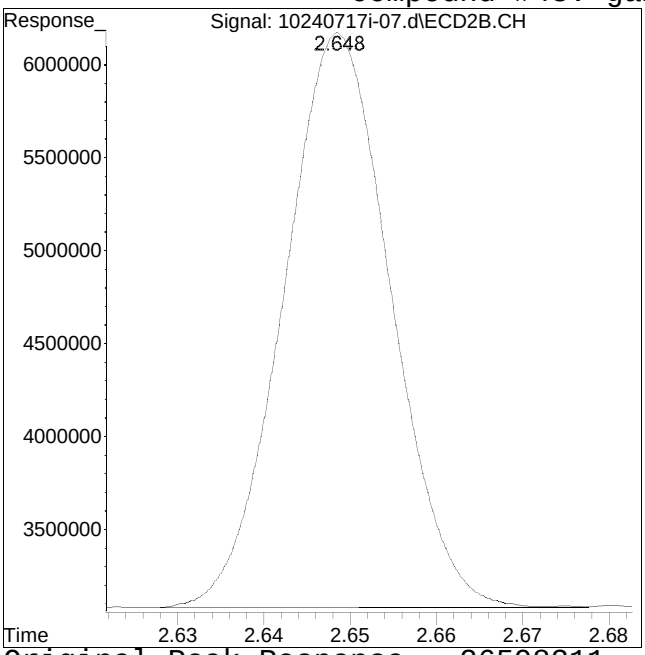


Original Peak Response = 134594785 Manual Peak Response = 126493756 M4
M4 = Poor automated baseline construction.

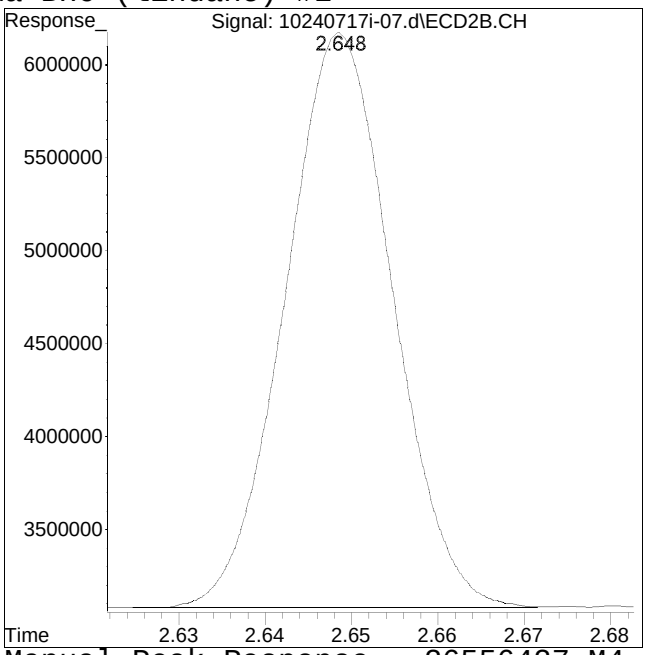
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 26598211



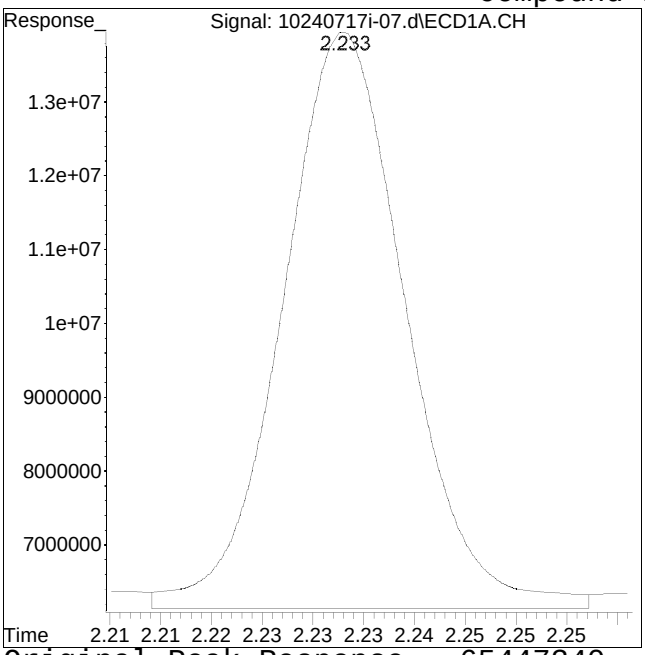
Manual Peak Response = 26556427 M4

M4 = Poor automated baseline construction.

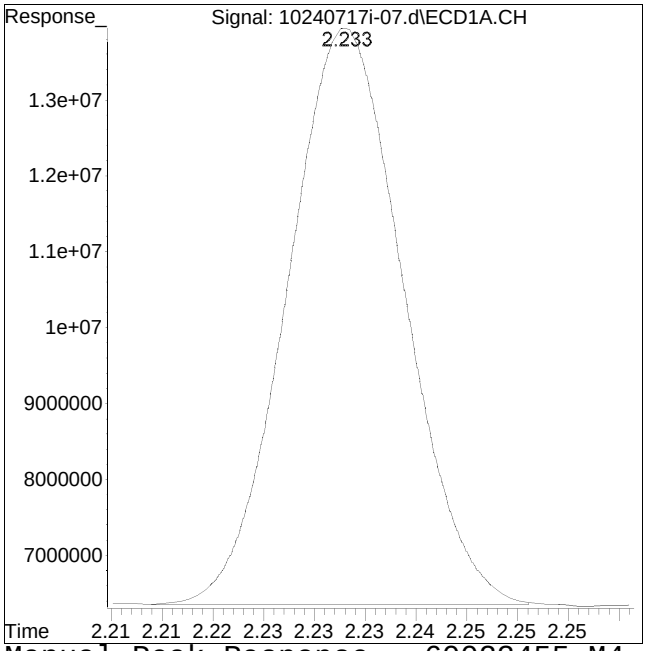
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #6: beta-BHC



Original Peak Response = 65447340

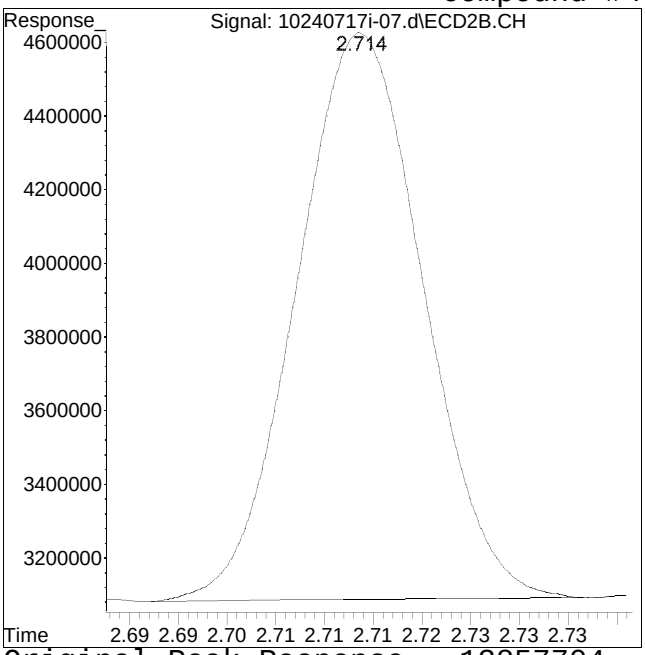


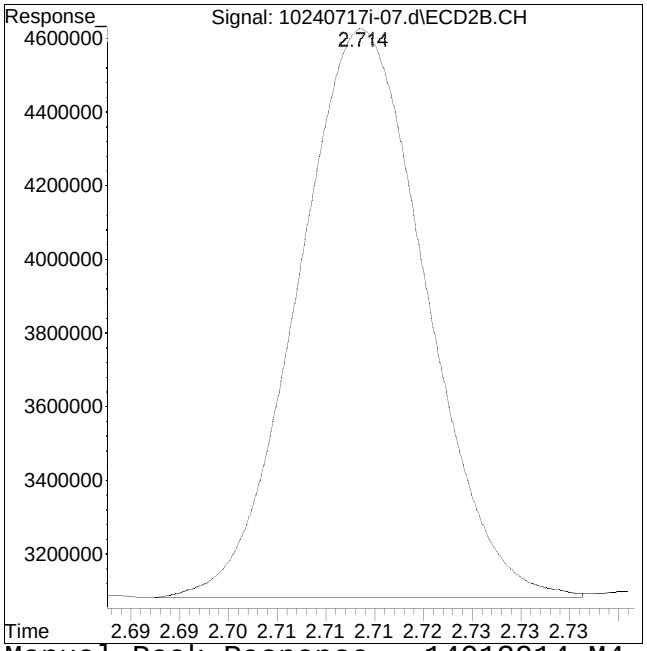
Manual Peak Response = 60023455 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #44: beta-BHC #2



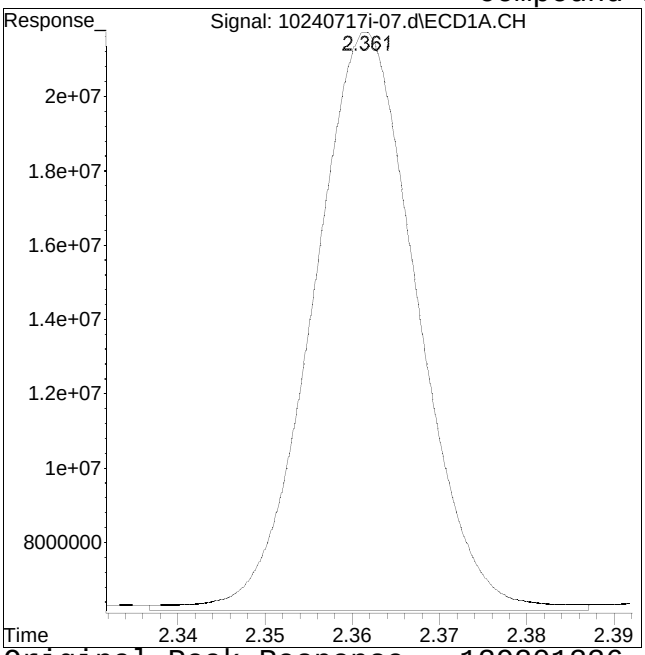


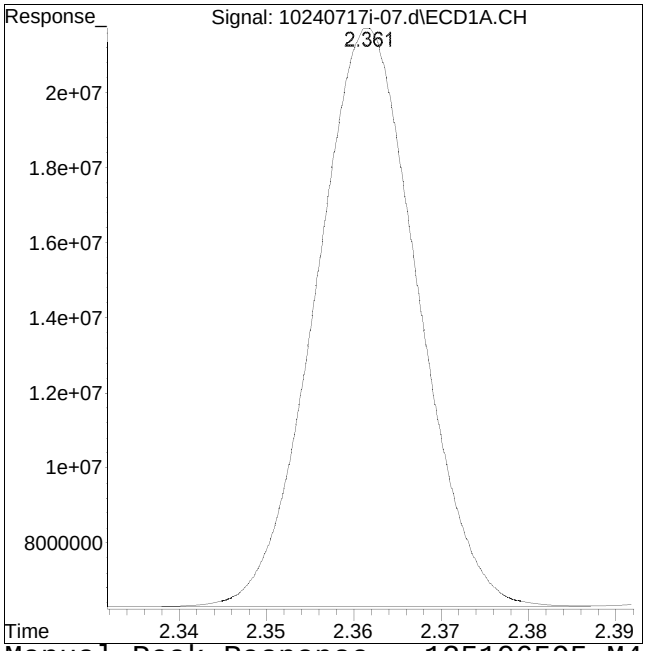
Original Peak Response = 13857704 Manual Peak Response = 14013914 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #7: delta-BHC



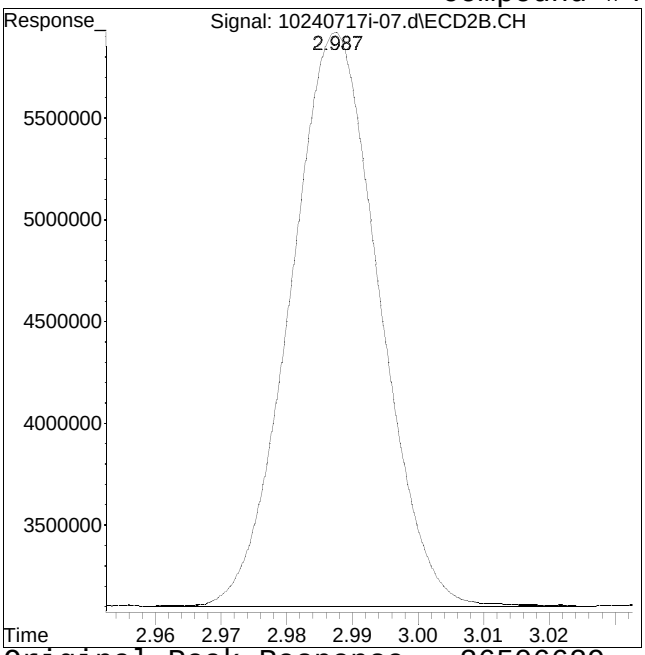


Original Peak Response = 129201336 Manual Peak Response = 125106595 M4
M4 = Poor automated baseline construction.

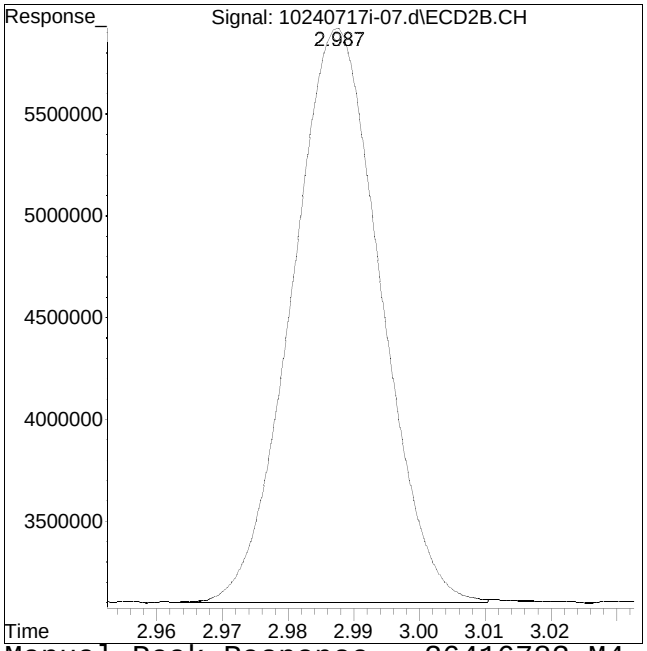
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #45: delta-BHC #2



Original Peak Response = 26506629



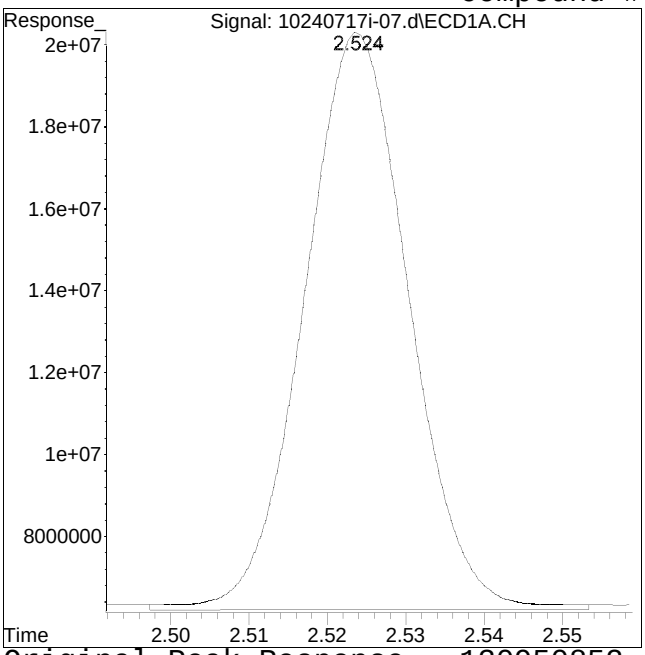
Manual Peak Response = 26416783 M4

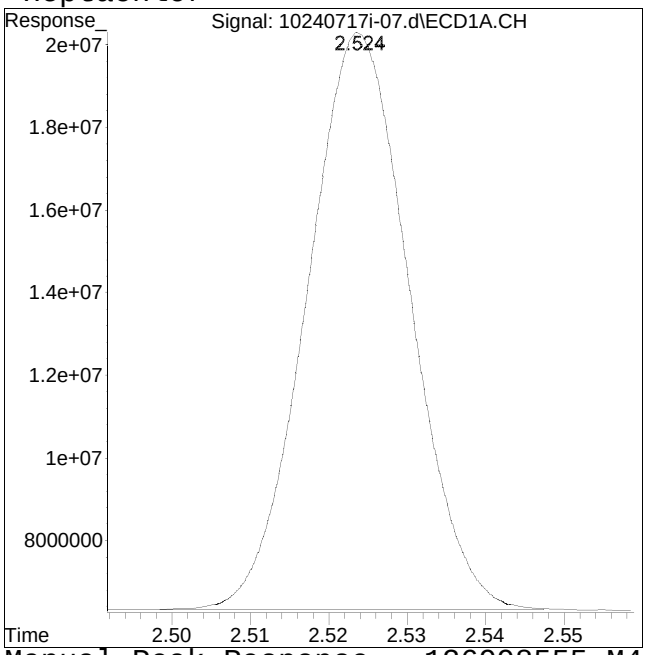
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #8: Heptachlor



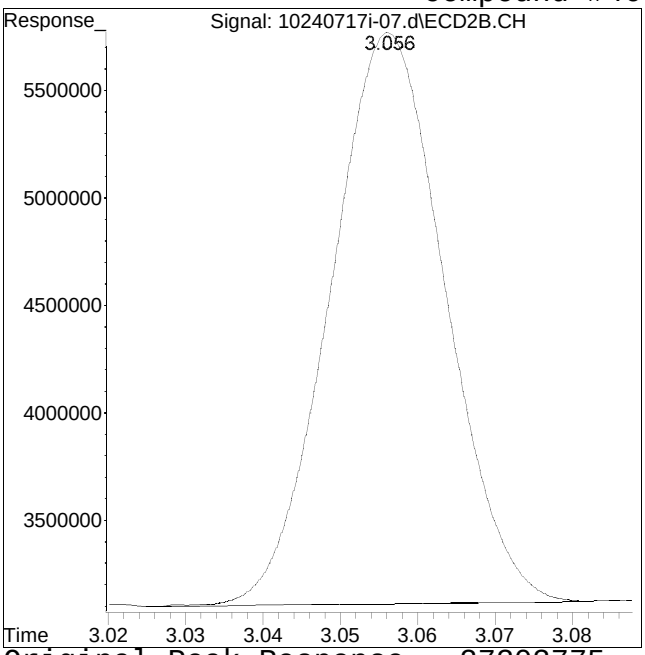


Original Peak Response = 130950852 Manual Peak Response = 126998555 M4
M4 = Poor automated baseline construction.

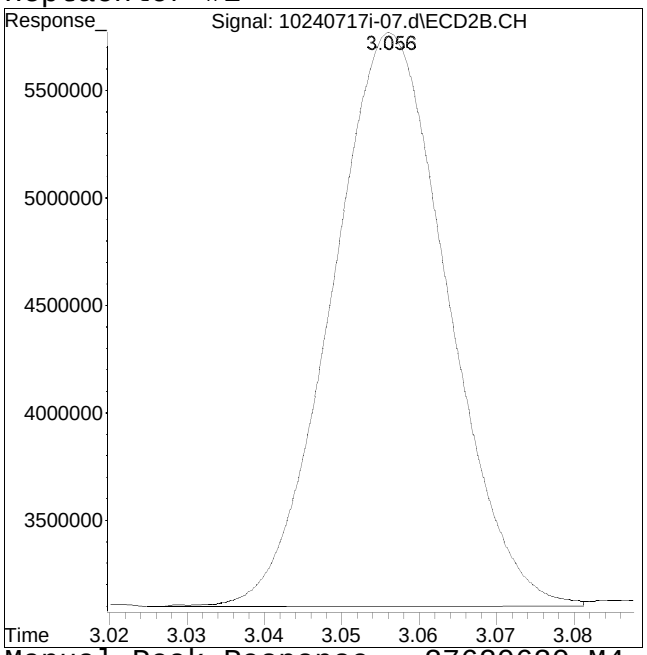
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #46: Heptachlor #2



Original Peak Response = 27303775



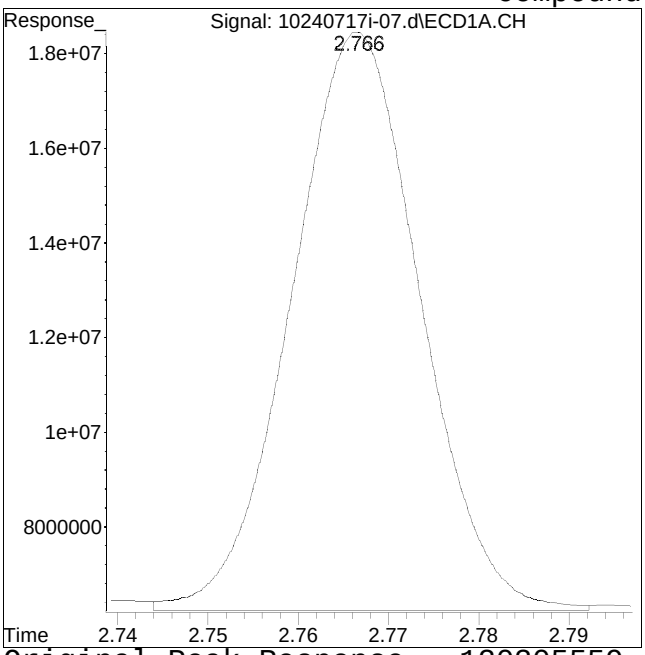
Manual Peak Response = 27620630 M4

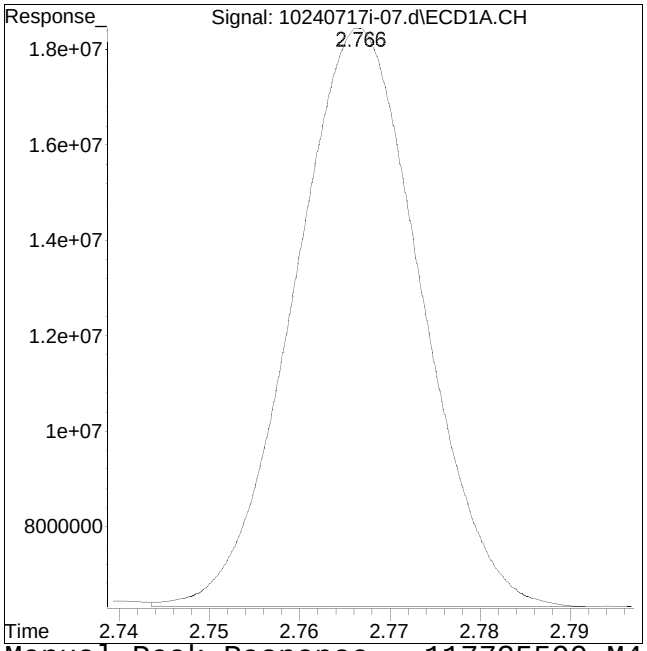
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #9: Aldrin



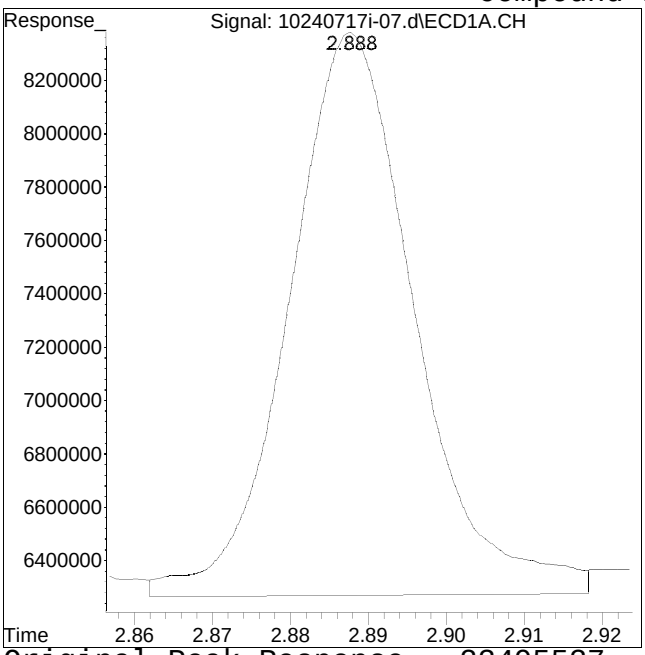


Original Peak Response = 120305559 Manual Peak Response = 117735590 M4
M4 = Poor automated baseline construction.

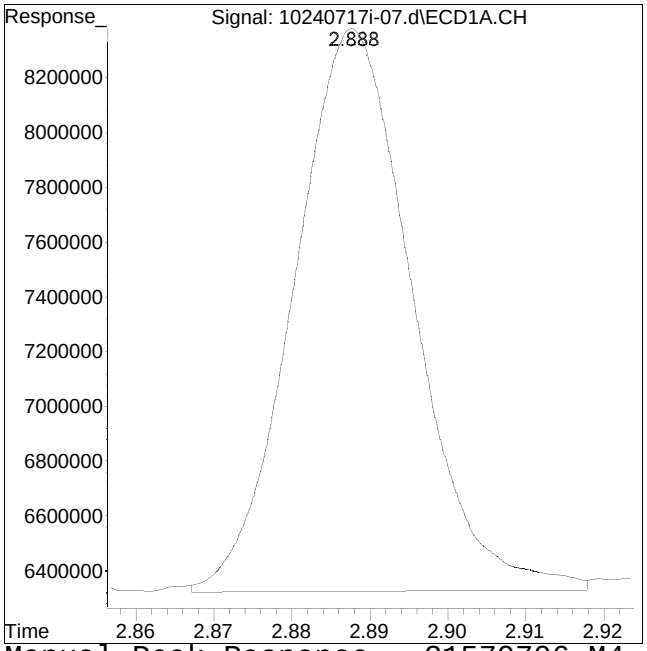
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #10: Alachlor



Original Peak Response = 23495537

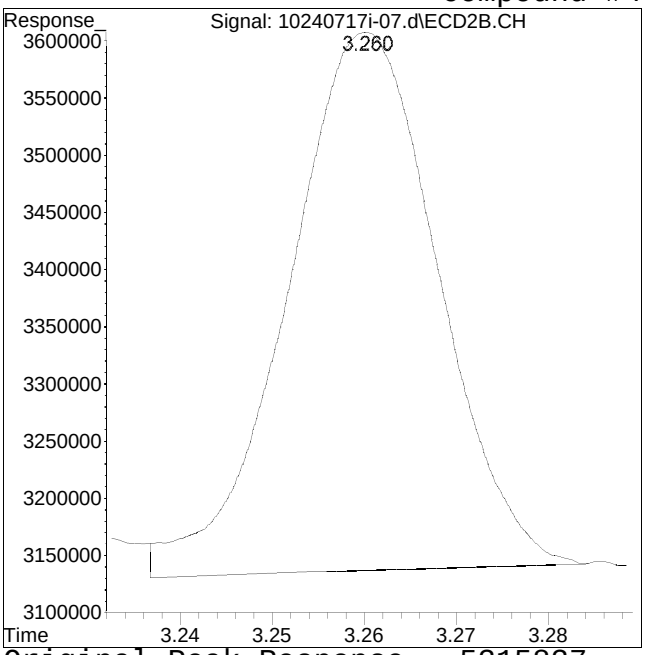


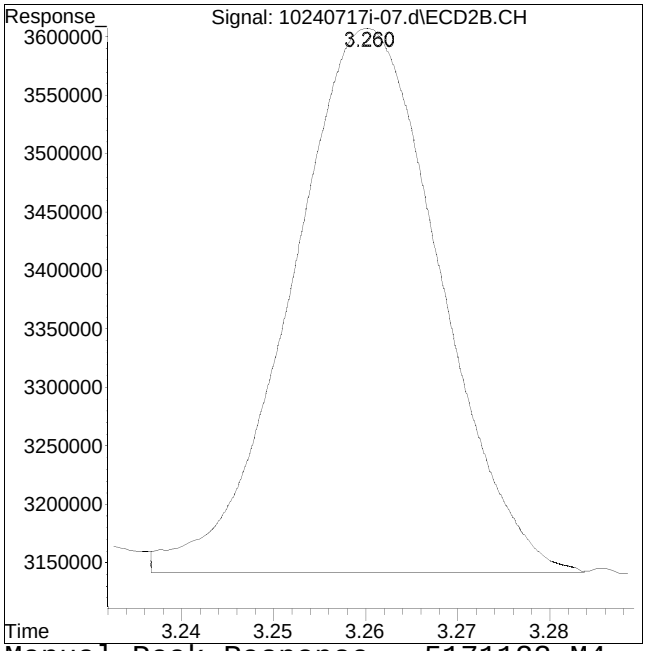
Manual Peak Response = 21570706 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #48: Alachlor #2



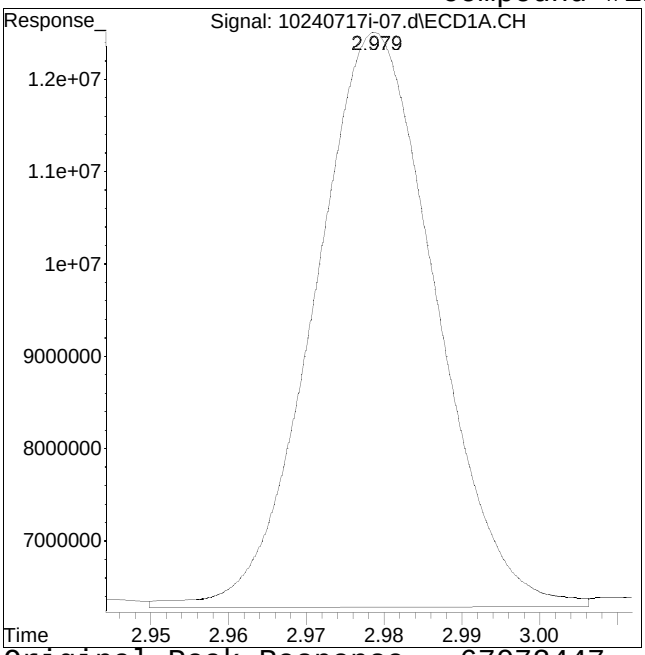


Original Peak Response = 5315837 Manual Peak Response = 5171122 M4
M4 = Poor automated baseline construction.

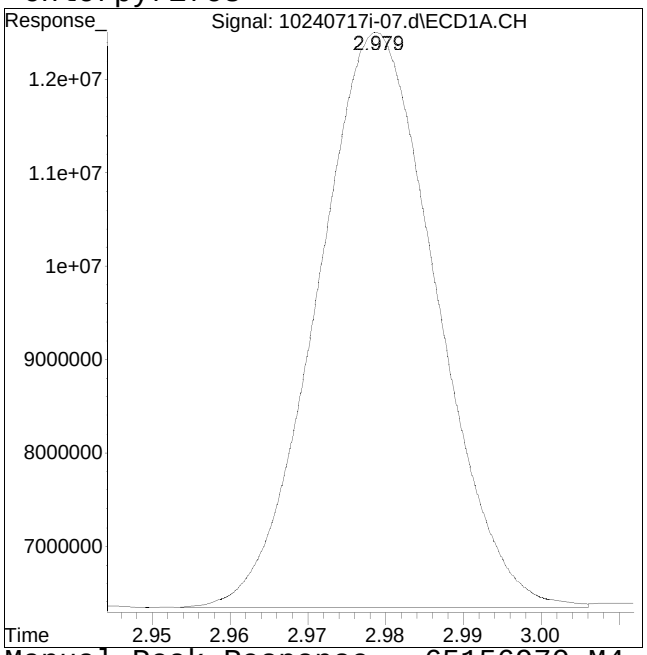
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #11: Chlorpyrifos



Original Peak Response = 67072447



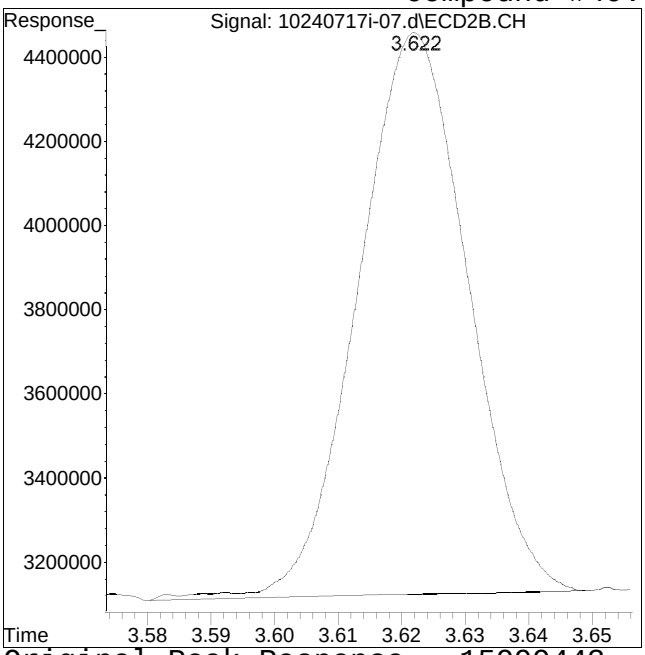
Manual Peak Response = 65156970 M4
M4 = Poor automated baseline construction.

Manual Integration Report

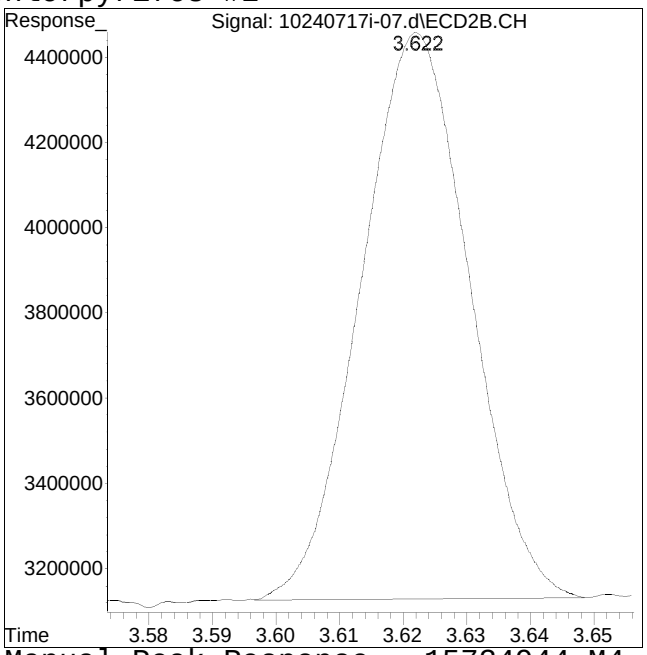
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 15999443



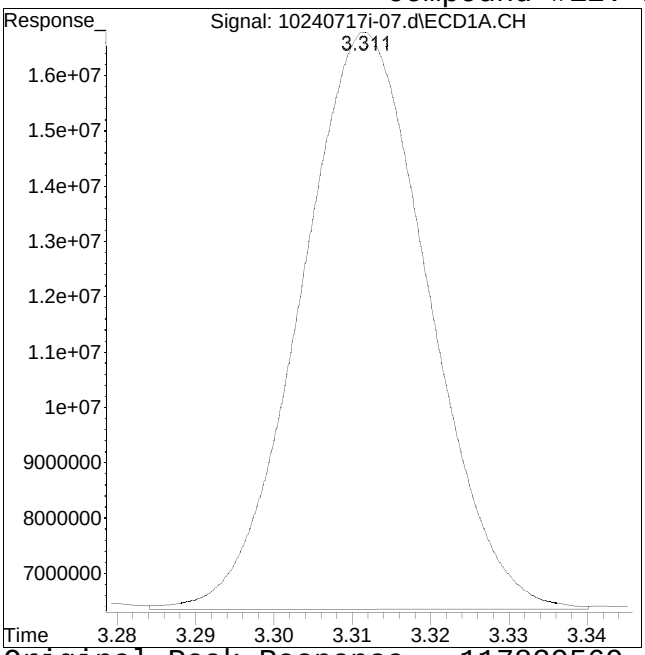
Manual Peak Response = 15734944 M4

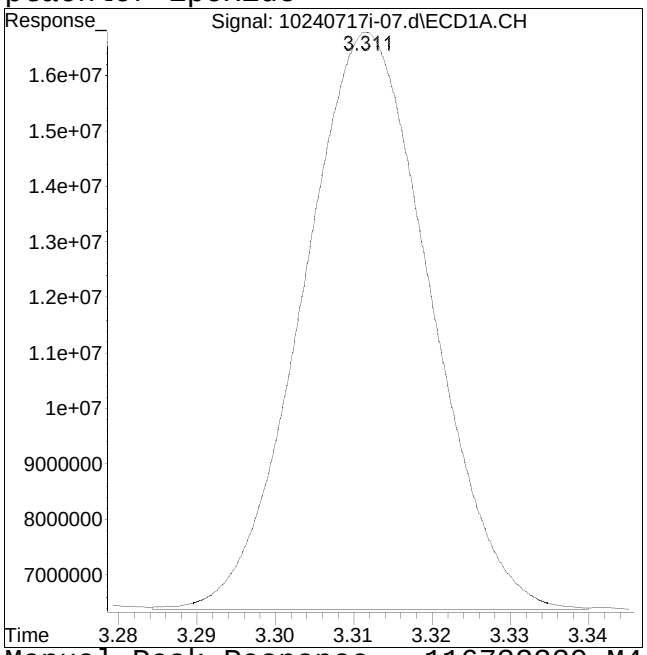
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #12: Heptachlor Epoxide



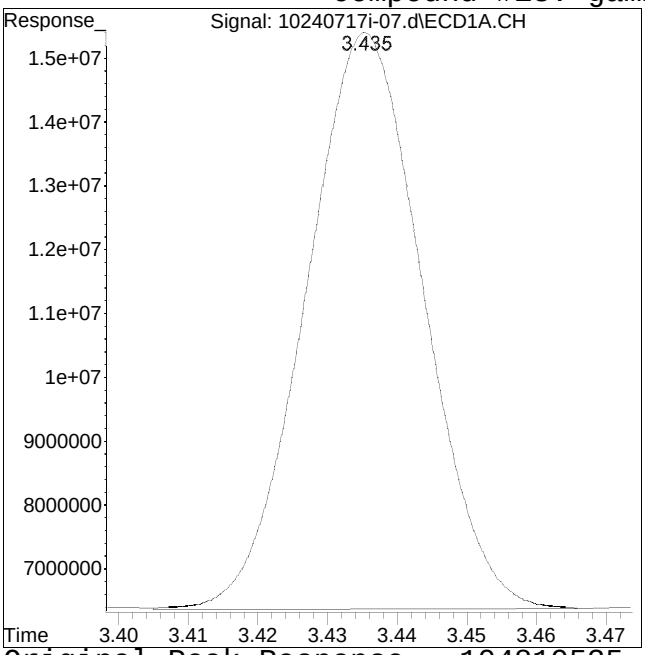


Original Peak Response = 117829569 Manual Peak Response = 116732320 M4
M4 = Poor automated baseline construction.

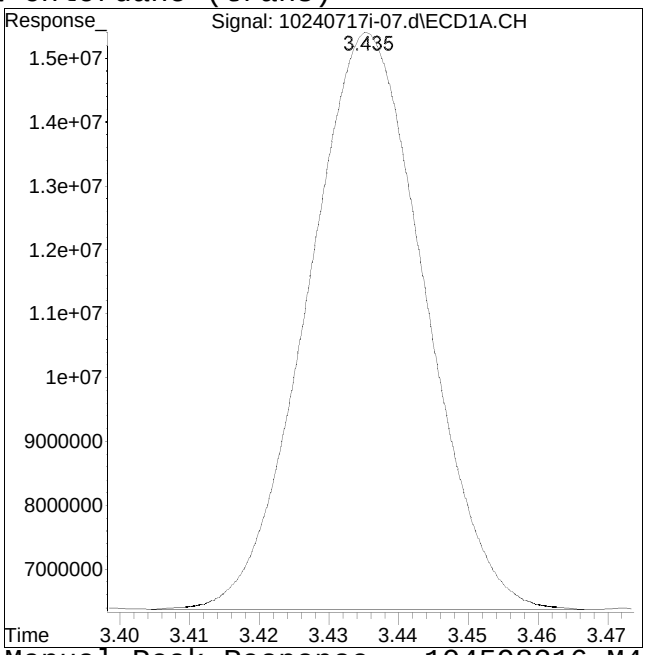
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 104819535

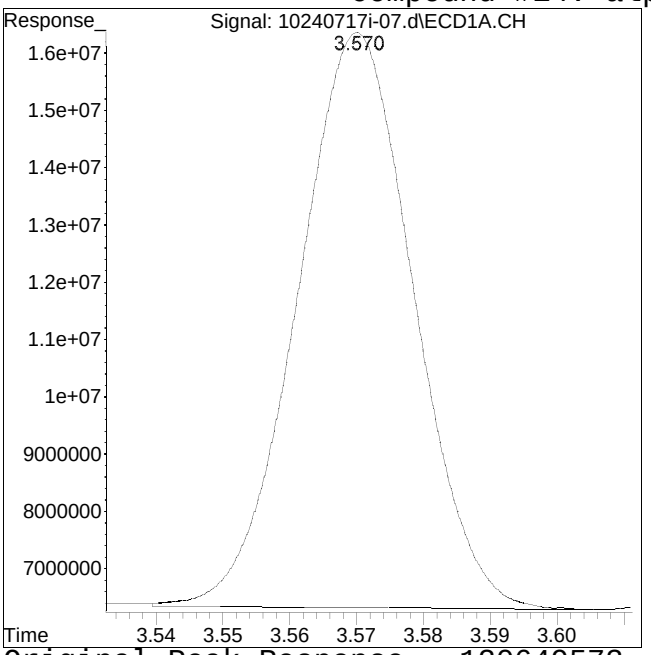


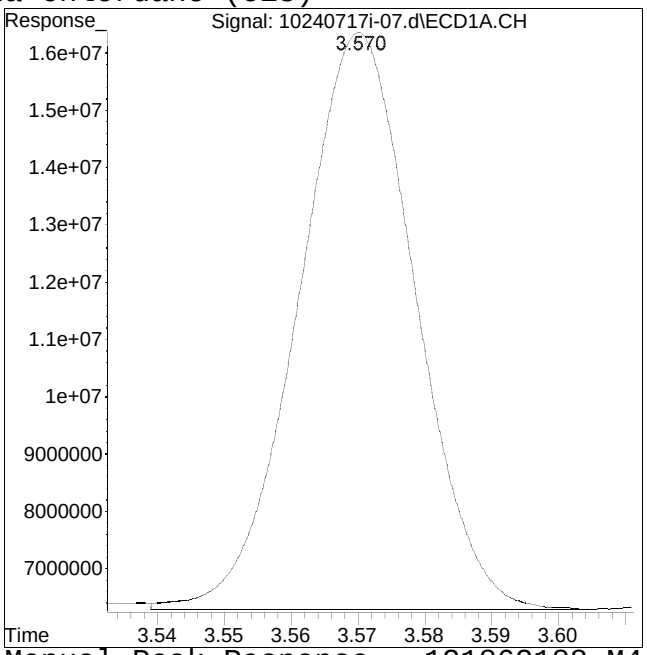
Manual Peak Response = 104598216 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #14: alpha-Chlordane (cis)



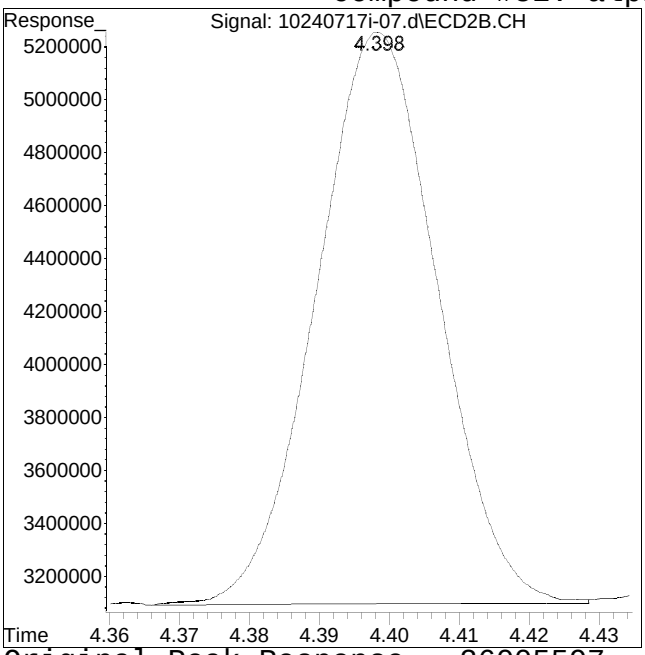


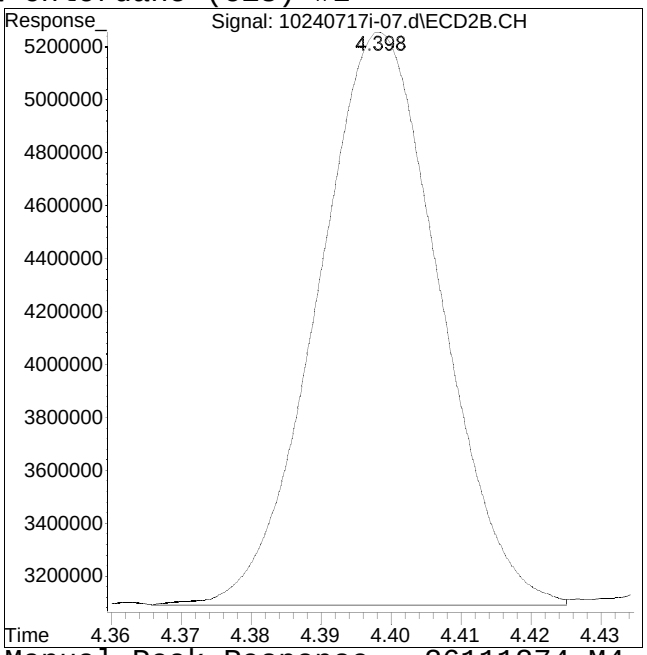
Original Peak Response = 120649573 Manual Peak Response = 121862188 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #52: alpha-Chlordane (cis) #2



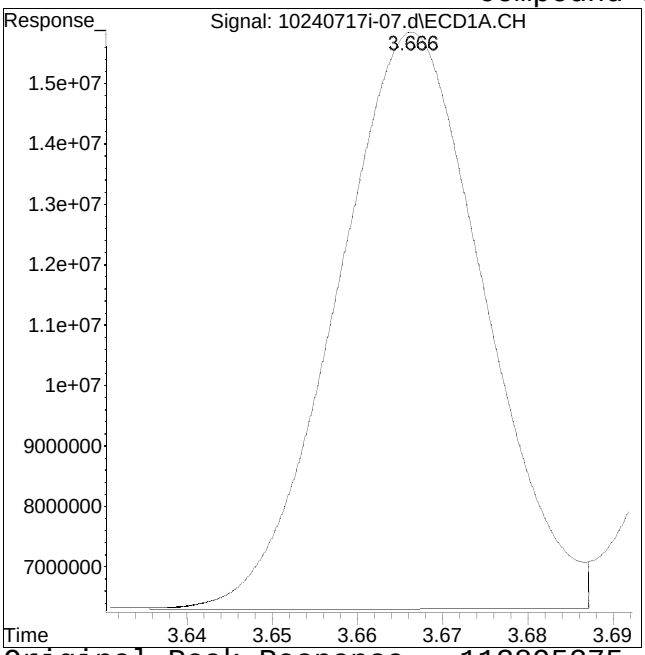


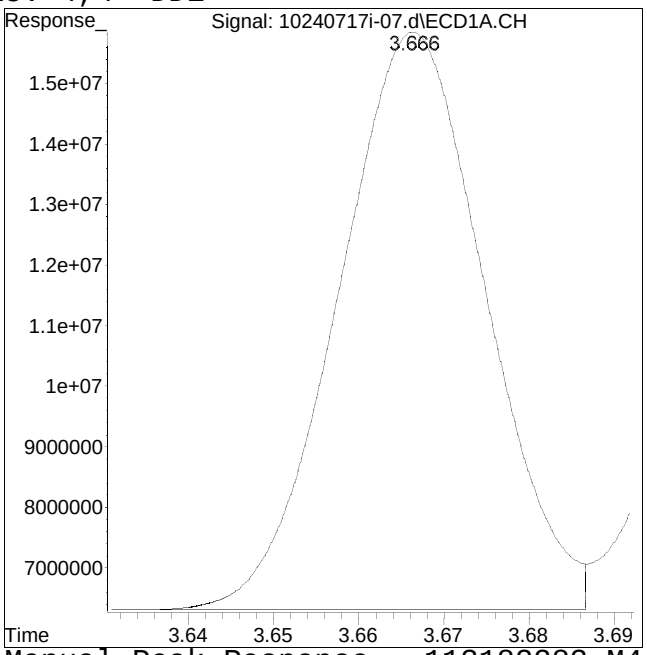
Original Peak Response = 26005597 Manual Peak Response = 26111274 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #15: 4,4'-DDE



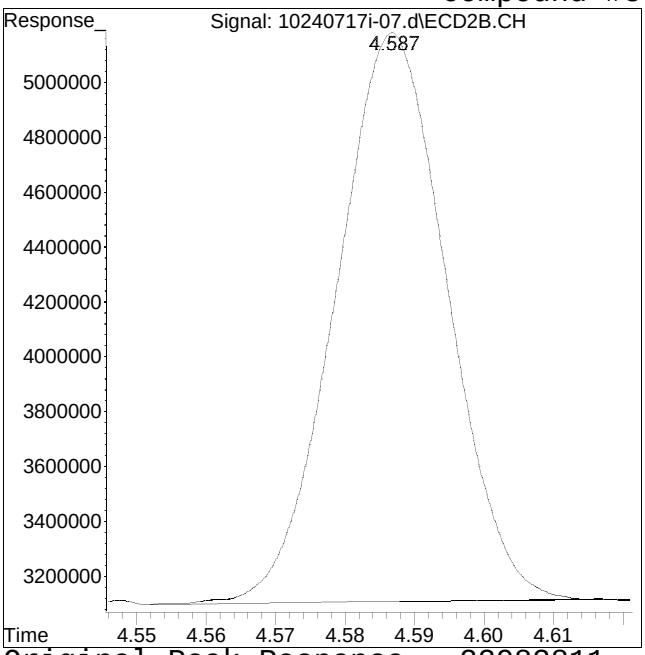


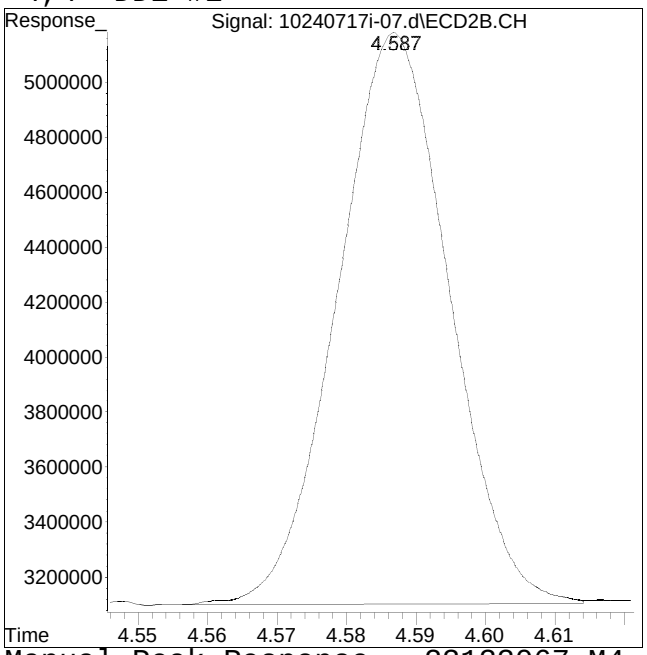
Original Peak Response = 113895275 Manual Peak Response = 113182283 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #53: 4,4'-DDE #2



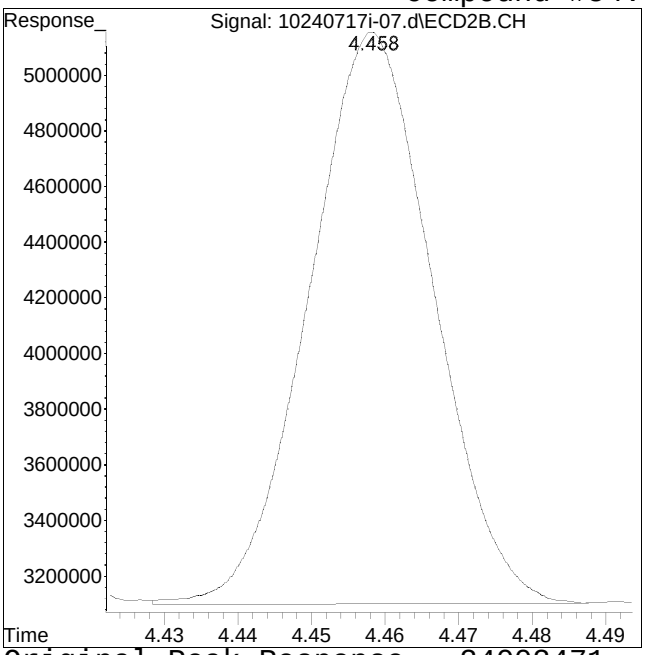


Original Peak Response = 22983811 Manual Peak Response = 23133067 M4
M4 = Poor automated baseline construction.

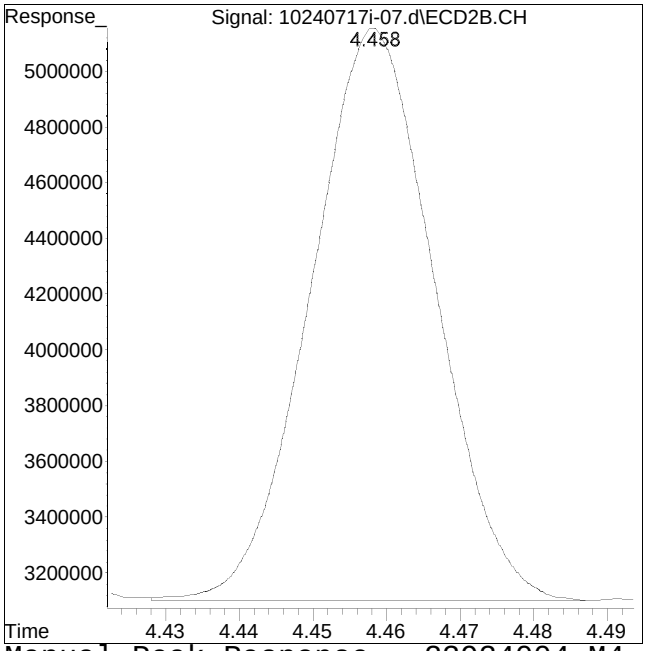
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #54: Endosulfan I #2



Original Peak Response = 24002471



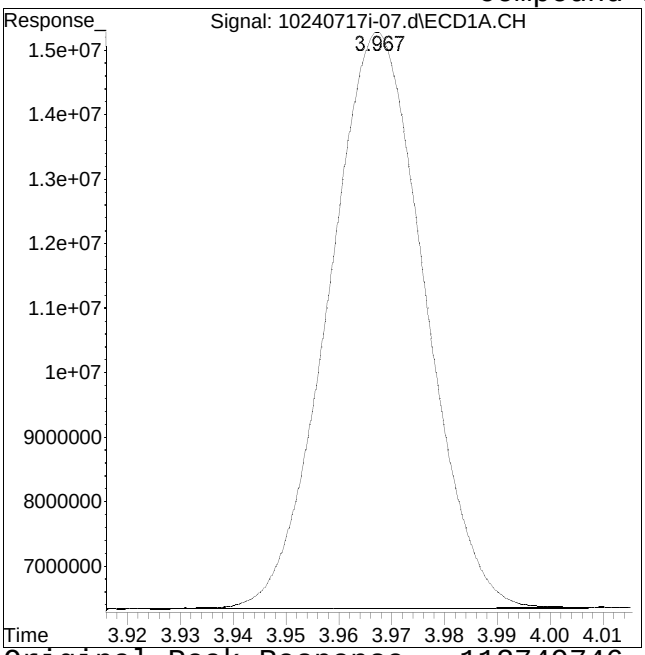
Manual Peak Response = 23934004 M4

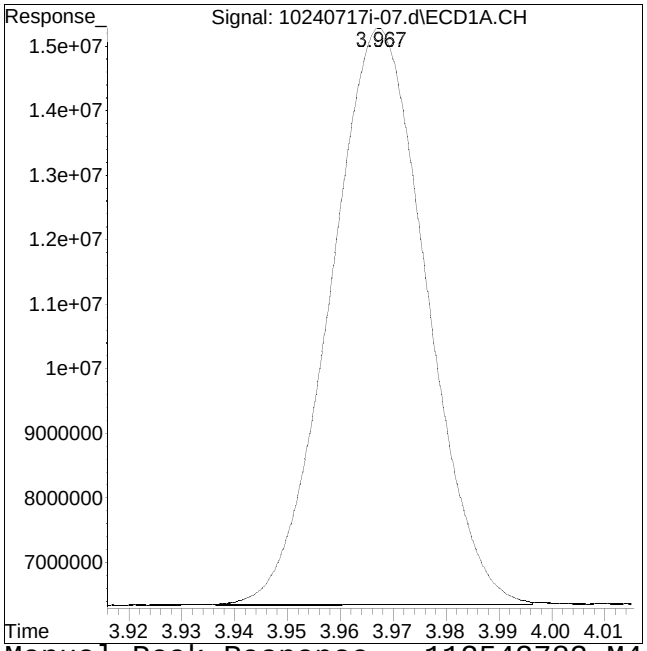
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #17: Dieldrin





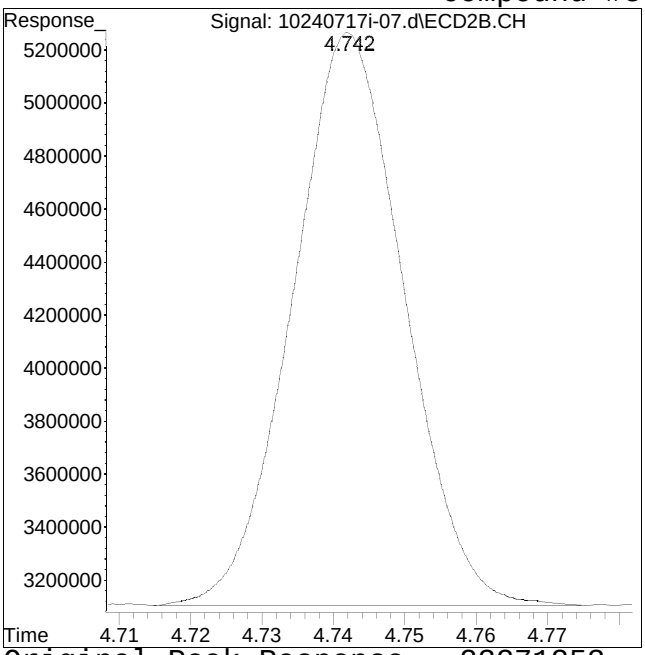
Original Peak Response = 112749746 Manual Peak Response = 112543783 M4
M4 = Poor automated baseline construction.

Manual Integration Report

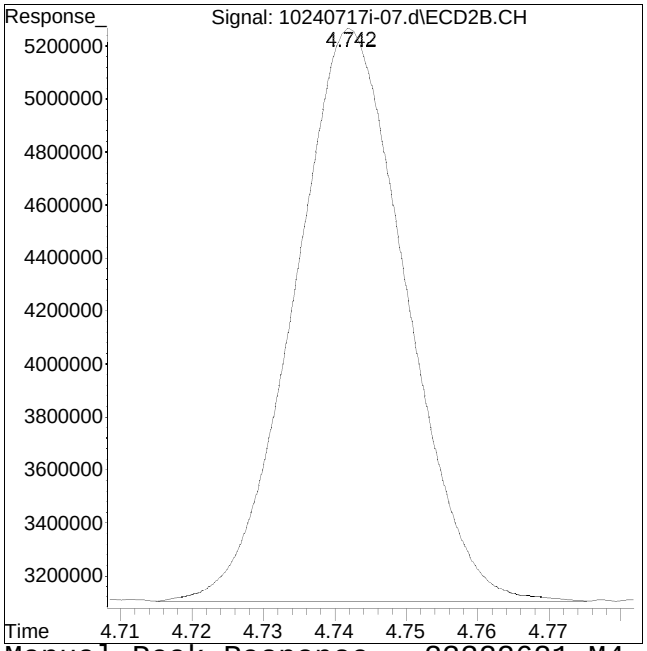
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #55: Dieldrin #2



Original Peak Response = 23271253



Manual Peak Response = 23322621 M4

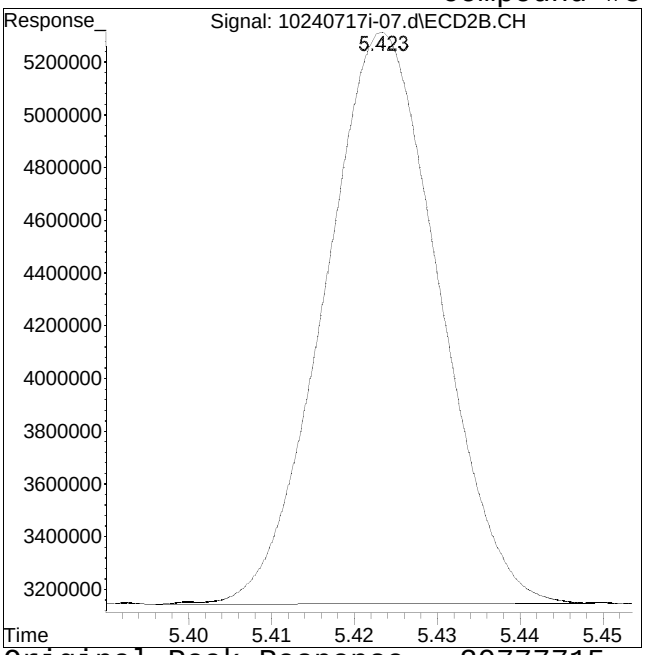
M4 = Poor automated baseline construction.

Manual Integration Report

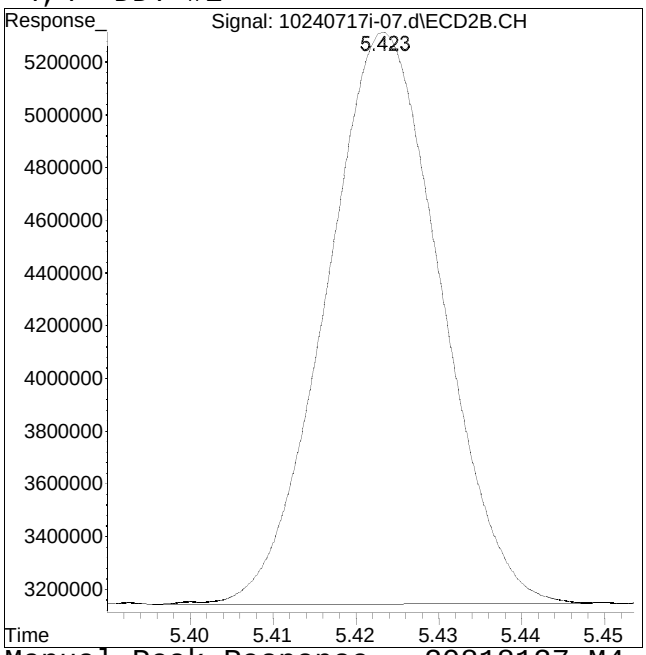
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-07.d
Date Inj'd : 7/17/2024 12:53 pm
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 10:56 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 20777715



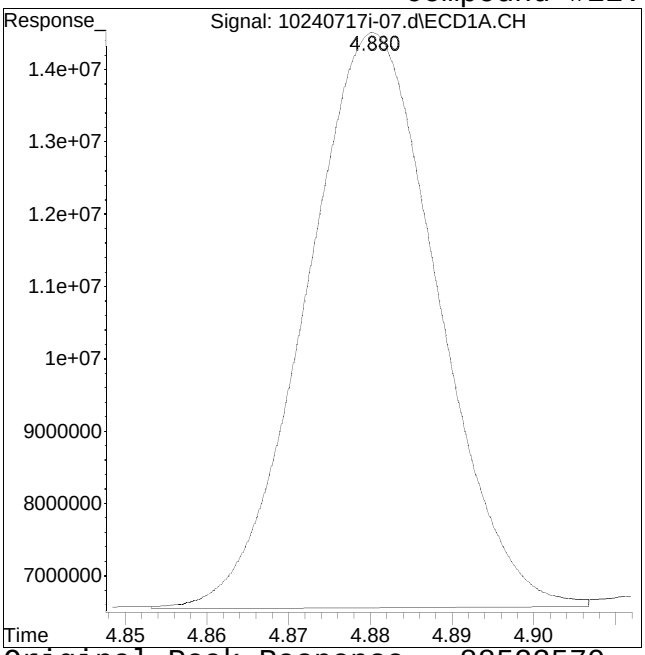
Manual Peak Response = 20818137 M4

M4 = Poor automated baseline construction.

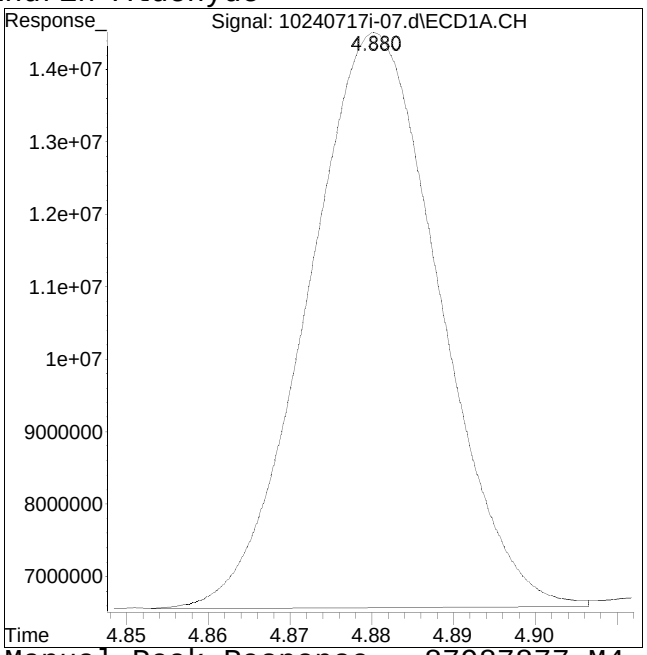
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #22: Endrin Aldehyde



Original Peak Response = 88523570

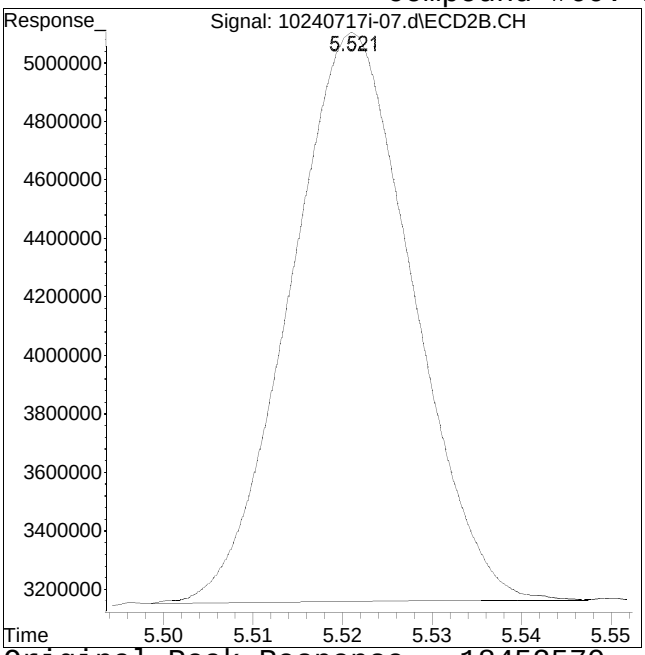


Manual Peak Response = 87987877 M4
M4 = Poor automated baseline construction.

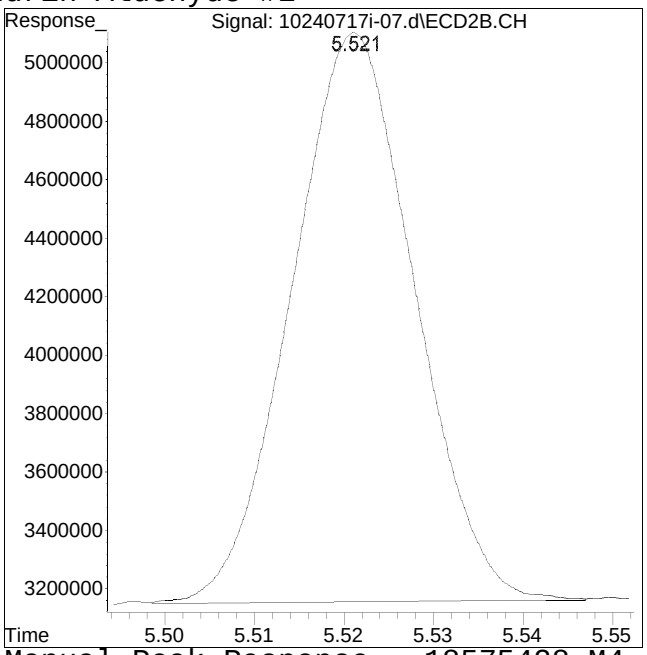
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 18452570

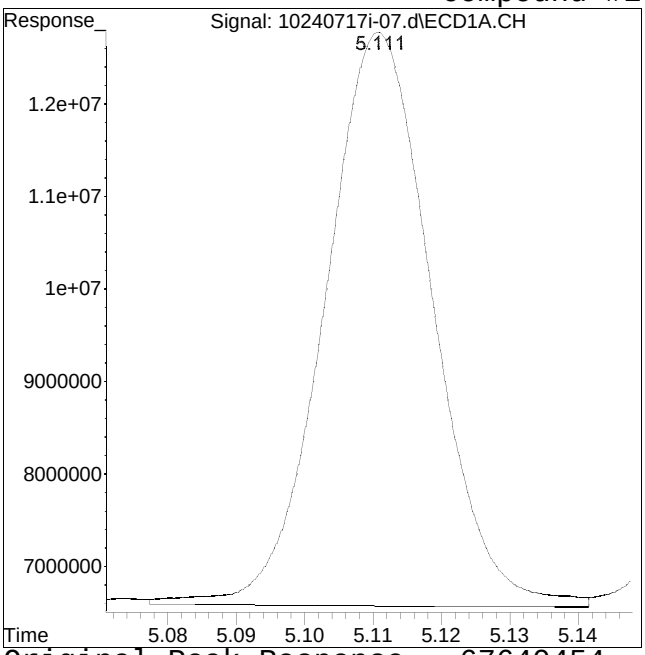


Manual Peak Response = 18575428 M4
M4 = Poor automated baseline construction.

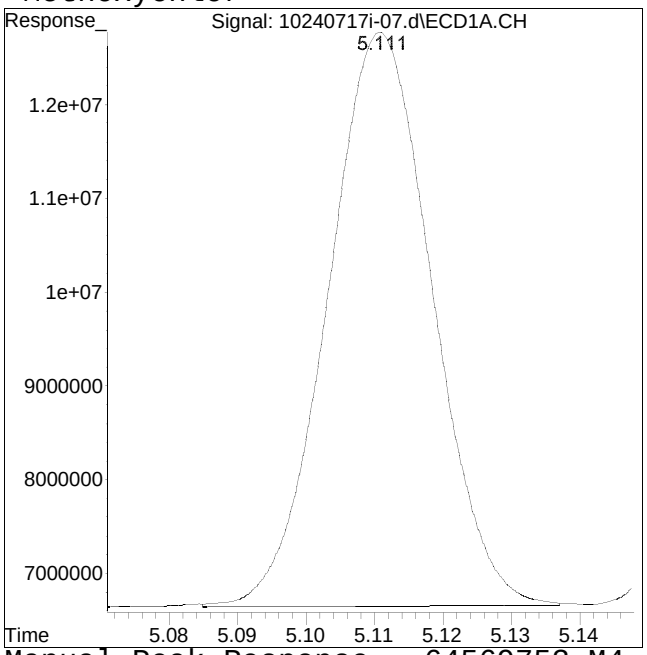
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #23: Methoxychlor



Original Peak Response = 67640454



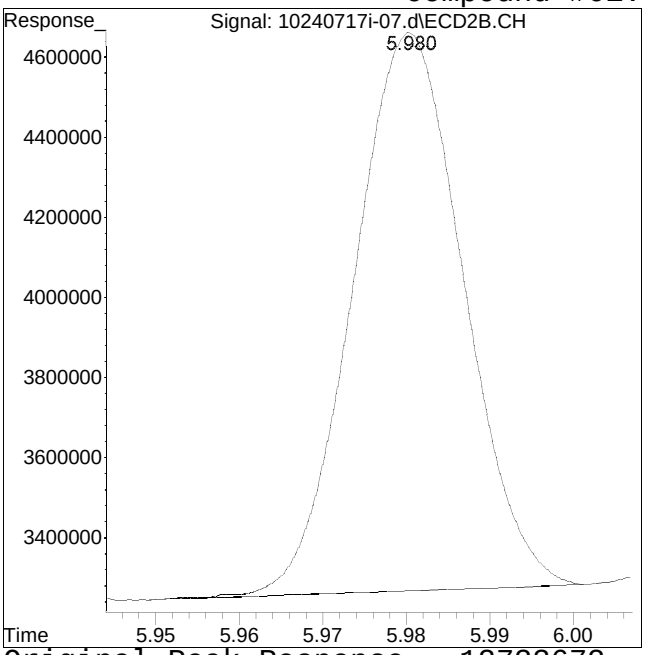
Manual Peak Response = 64569753 M4

M4 = Poor automated baseline construction.

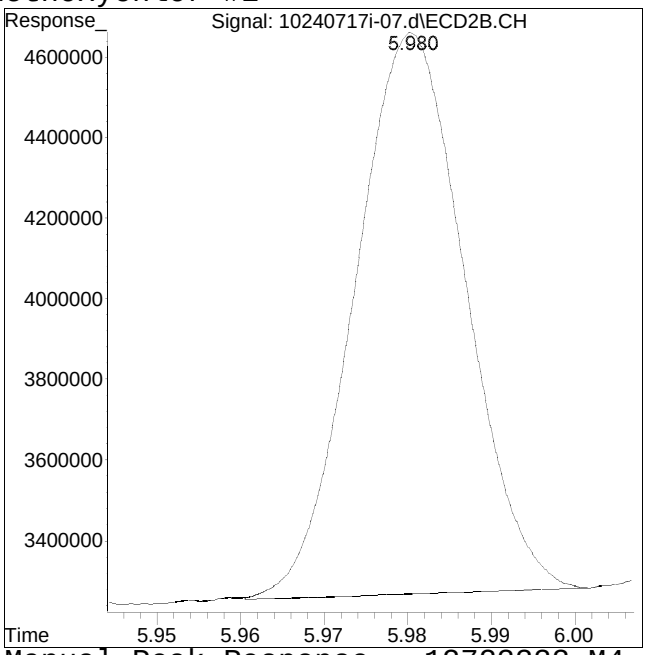
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #61: Methoxychlor #2



Original Peak Response = 12733672



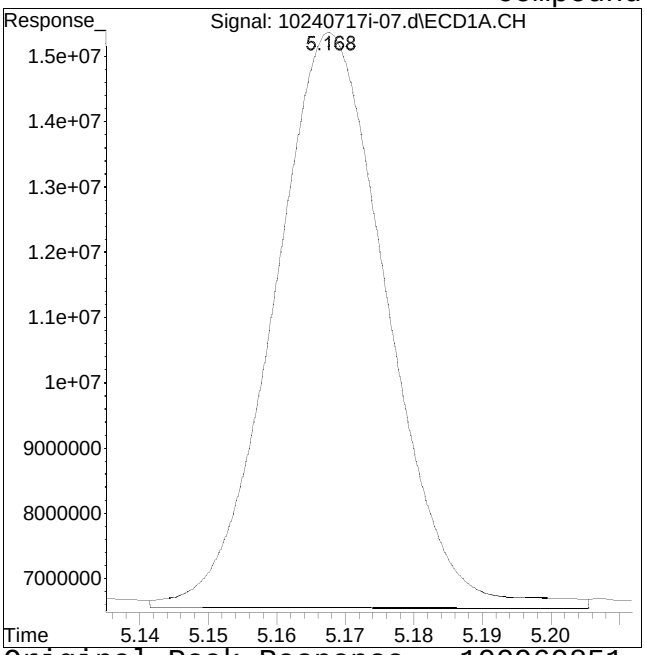
Manual Peak Response = 12723332 M4

M4 = Poor automated baseline construction.

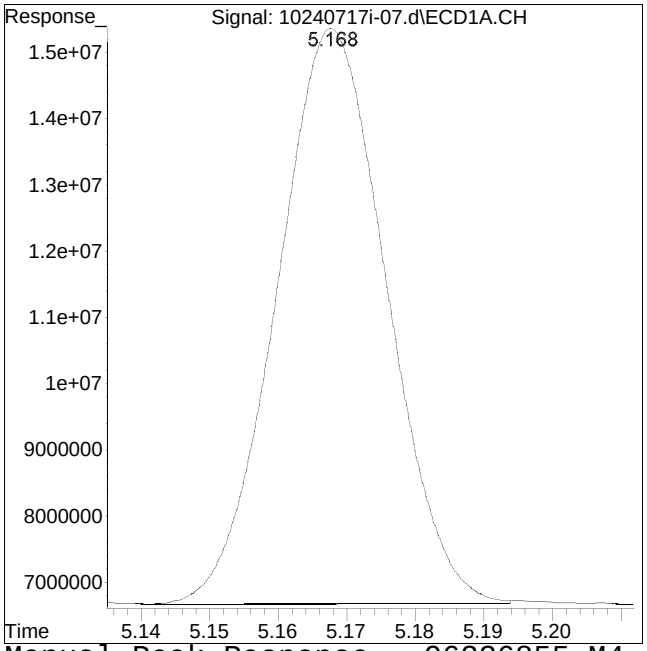
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #24: Mirex



Original Peak Response = 100969851



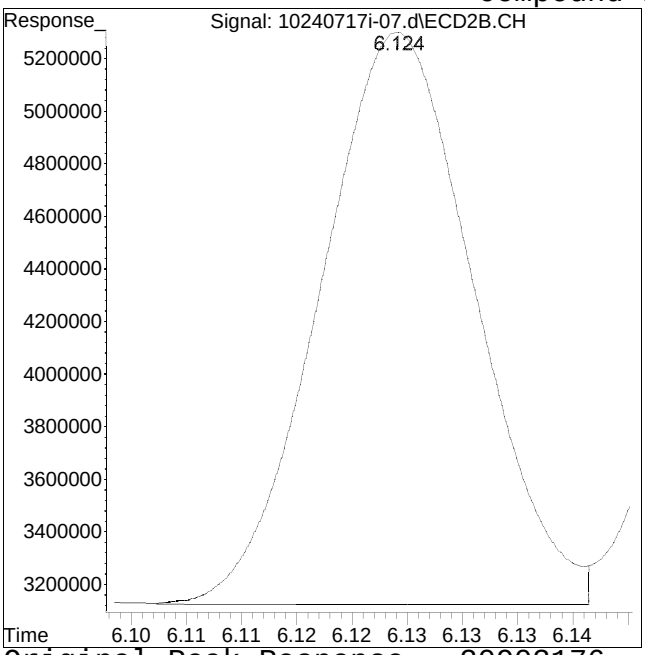
Manual Peak Response = 96236855 M4

M4 = Poor automated baseline construction.

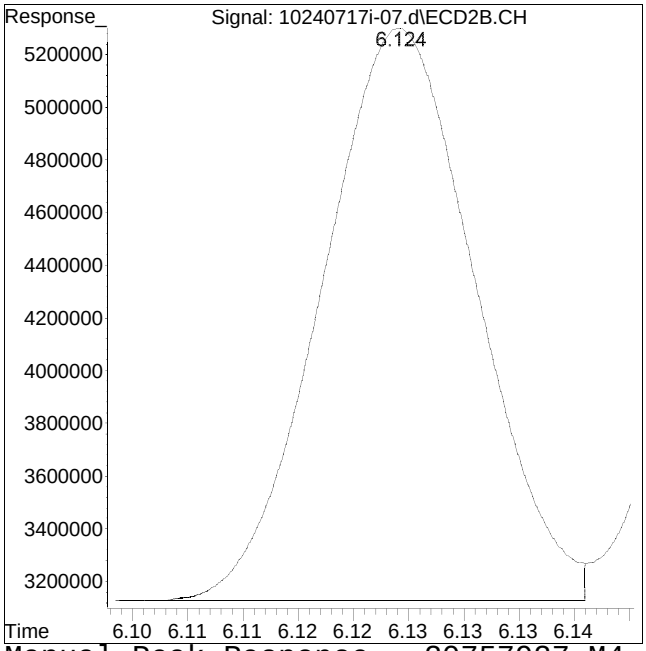
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #62: Mirex #2



Original Peak Response = 20903176



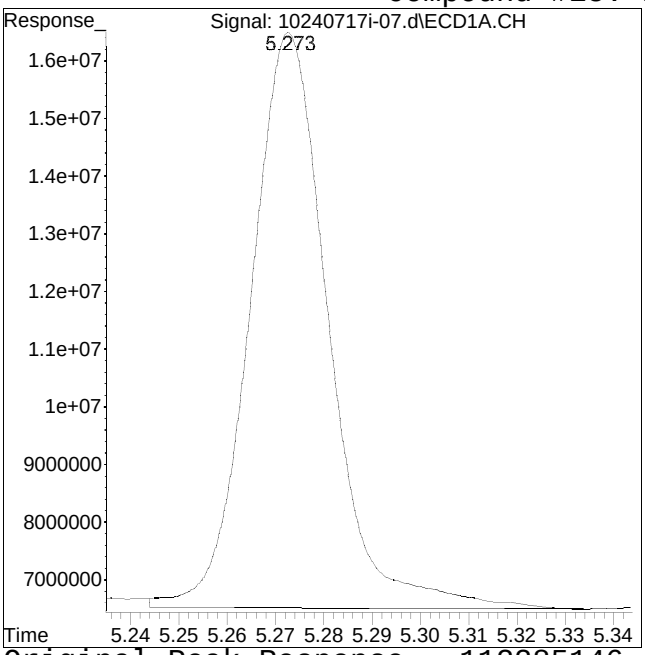
Manual Peak Response = 20757927 M4

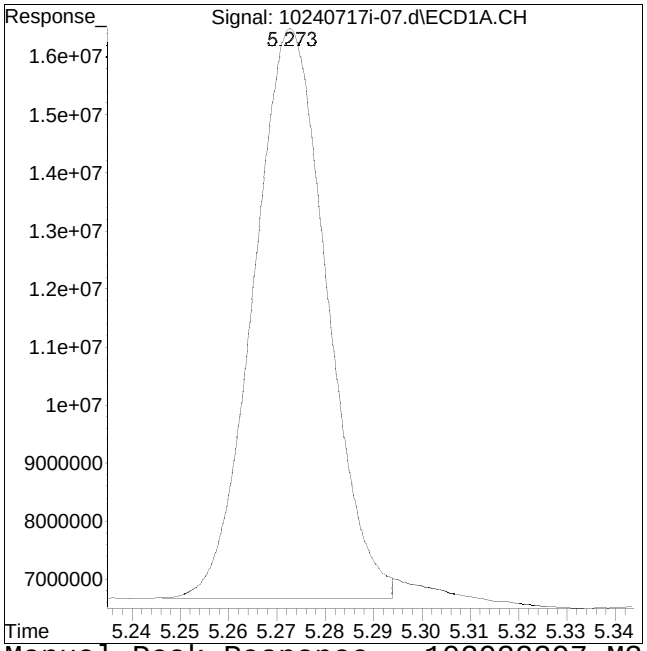
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #25: Endosulfan Sulfate



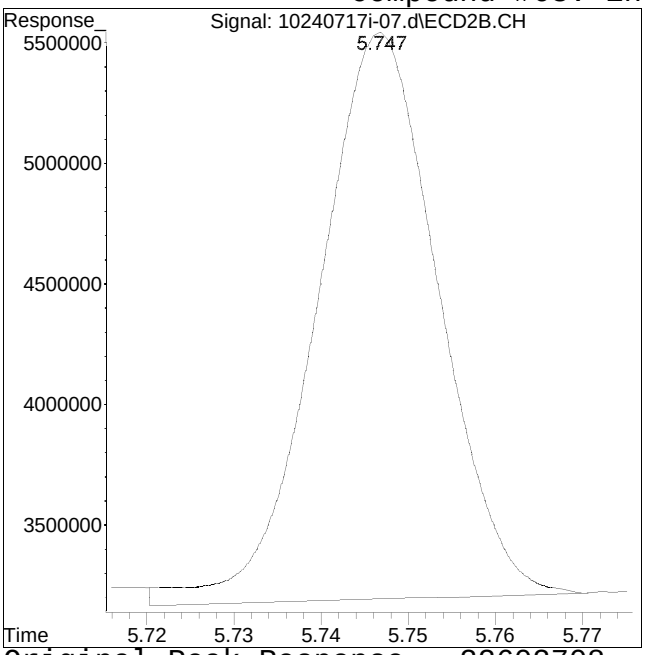


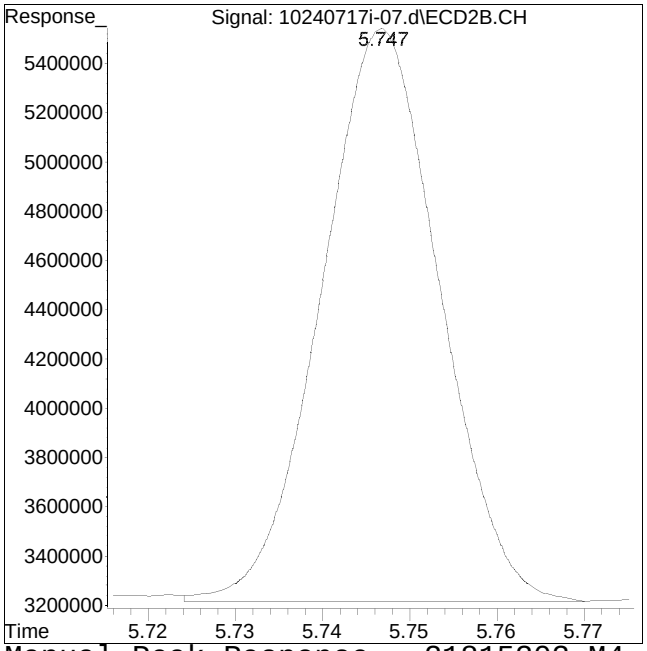
Original Peak Response = 112285146 Manual Peak Response = 102932297 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #63: Endosulfan Sulfate #2



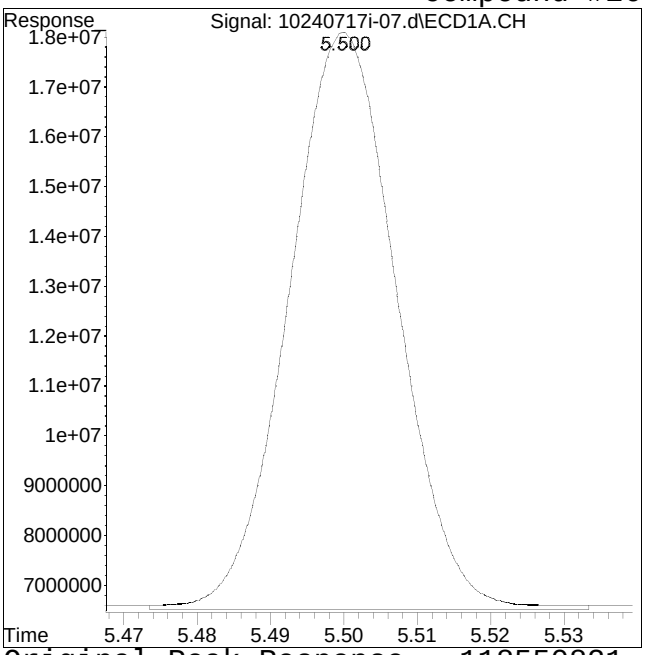


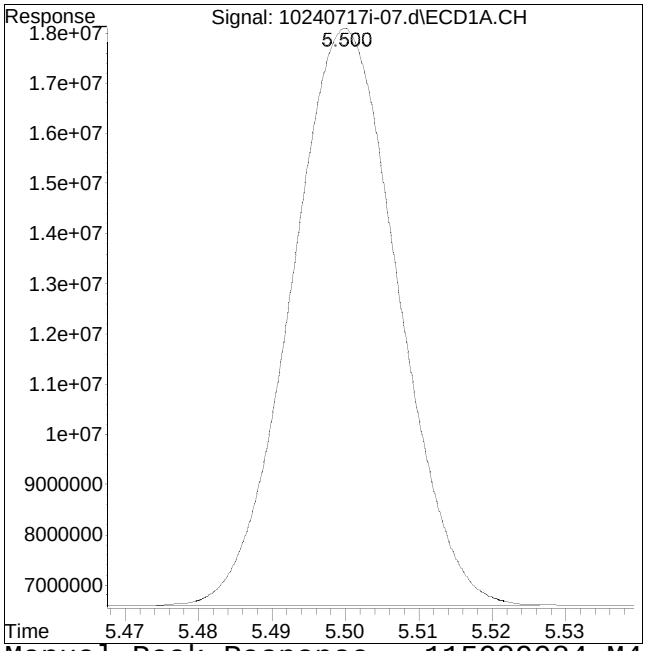
Original Peak Response = 22602708 Manual Peak Response = 21815303 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #26: Endrin Ketone



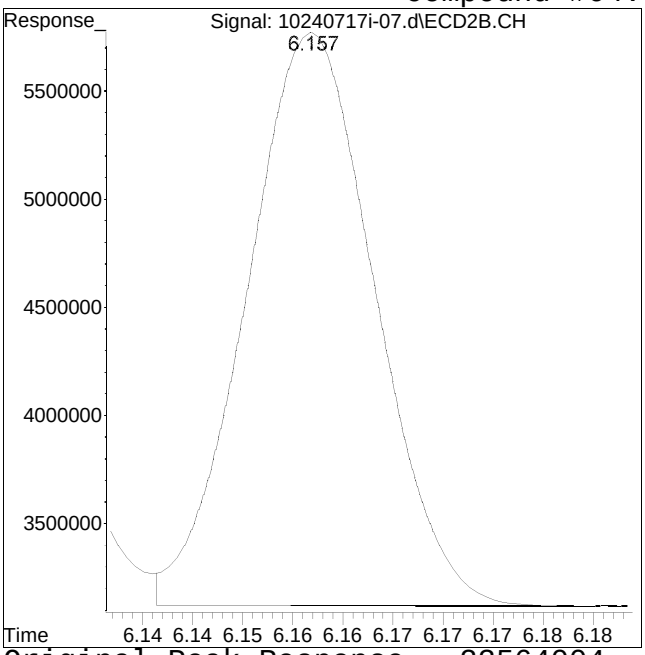


Original Peak Response = 118550821 Manual Peak Response = 115989084 M4
M4 = Poor automated baseline construction.

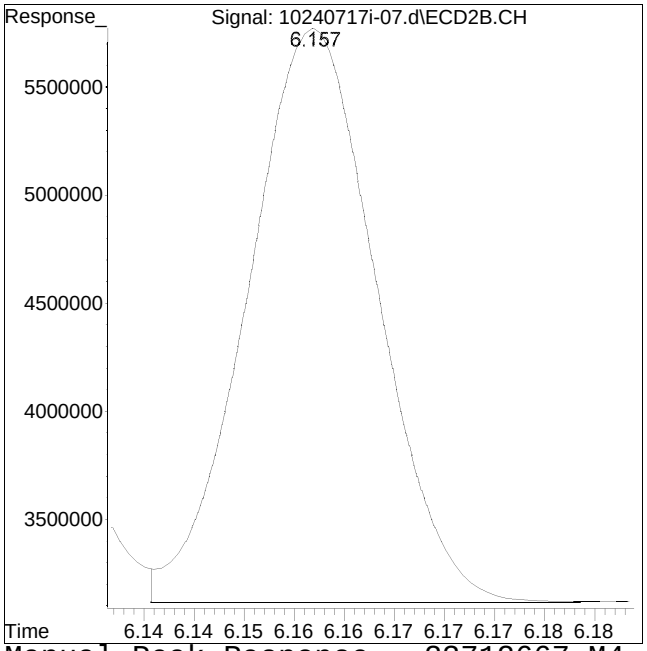
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #64: Endrin Ketone #2



Original Peak Response = 23564004



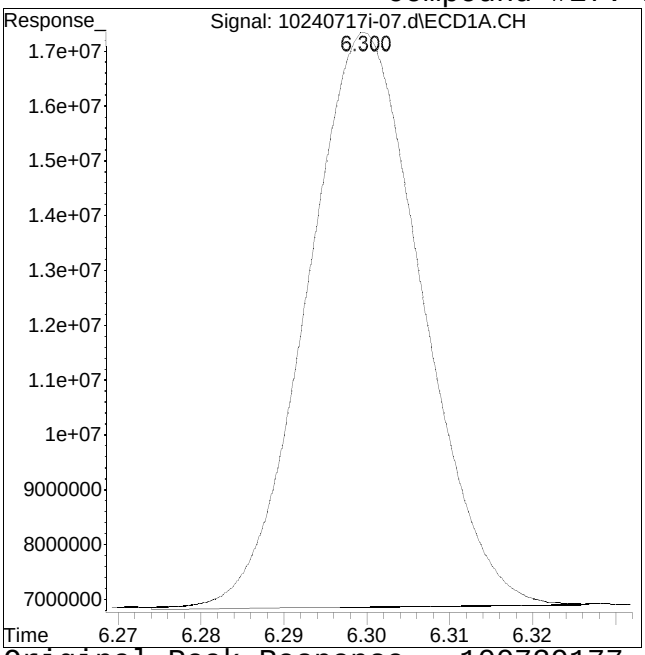
Manual Peak Response = 23712667 M4

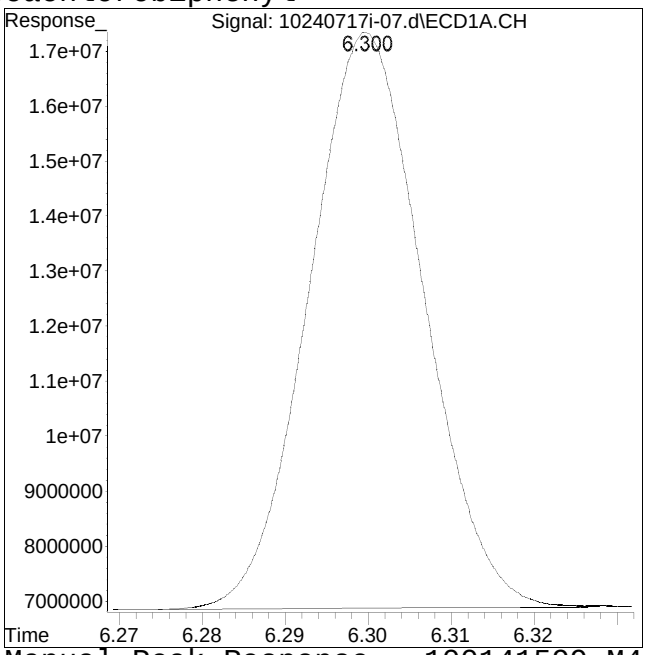
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #27: Decachlorobiphenyl



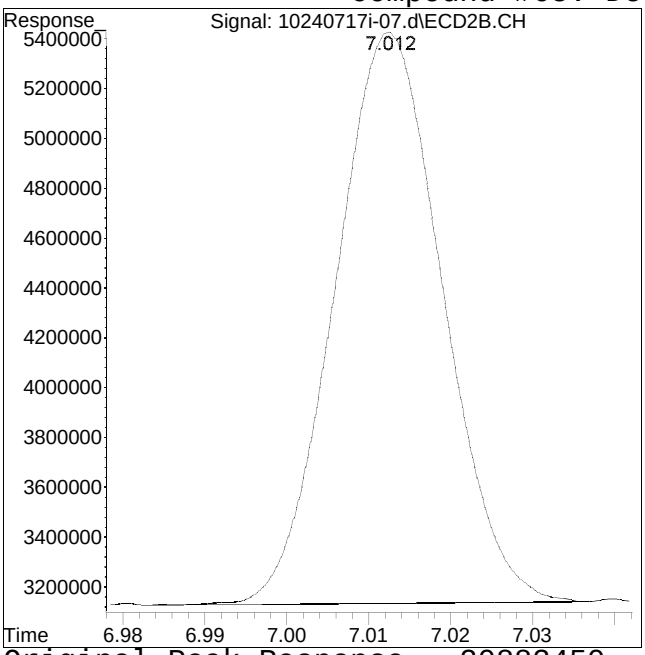


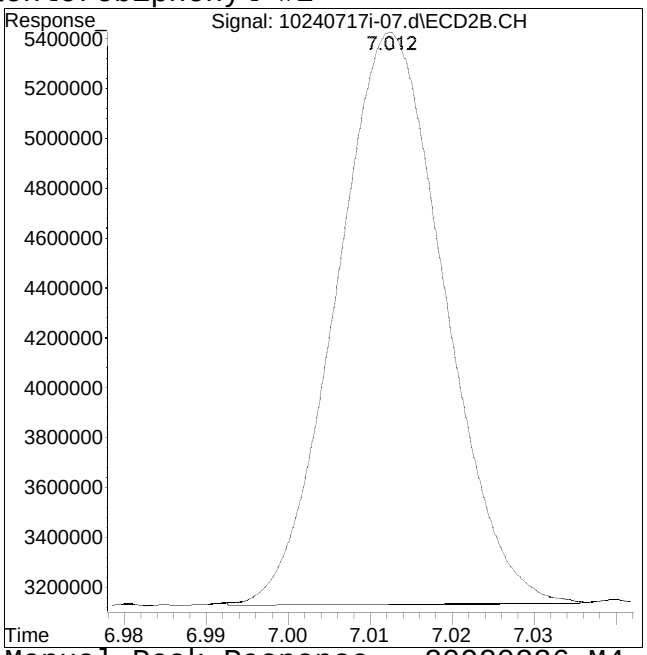
Original Peak Response = 100739177 Manual Peak Response = 100141599 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-07.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 12:53 pm Instrument : Pest 10
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/18/2024 10:56 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 20883450 Manual Peak Response = 20920236 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:04 pm
Operator : PEST10:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:42:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.318	1.435	504.3E6	115.7E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.662	1.926	230.3E6	49726410	9.235M4	9.650M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		18.47%#	19.30%#
27) s	Decachlorobi	6.299	7.013	220.9E6	45929108	9.116M4	9.605M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		18.23%#	19.21%#
	Target Compounds						
3) t	Hexachlorobe	1.875	2.257	247.3E6	56166177	9.335M4	9.767M4
4) t	alpha-BHC	1.974	2.355	326.3E6	67402996	9.074M4	9.290
5) t	gamma-BHC (l	2.176	2.648	304.8E6	63752922	8.998M3	9.318M4
6) t	beta-BHC	2.232	2.714	137.3E6	31650699	9.355M4	9.737M4
7) t	delta-BHC	2.361	2.987	303.9E6	63163202	8.925M4	9.147M4
8) t	Heptachlor	2.523	3.056	299.2E6	63744638	9.333M4	9.402M4
9) t	Aldrin	2.766	3.383	280.9E6	57791271	9.196M4	9.270M4
10) t	Alachlor	2.888	3.261	47940455	11449398	10.401	10.337M4
11) t	Chlorpyrifos	2.979	3.622	144.8E6	34533053	9.968	9.779
12) t	Heptachlor E	3.311	4.011	271.3E6	58946032	9.391M4	9.512M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:04 pm
Operator : PEST10:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:42:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.435	4.234	242.9E6	51435829	9.119M4	9.300M4
14)	t	alpha-Chlord	3.570	4.399	279.5E6	59145864	9.150M4	9.410
15)	t	4,4'-DDE	3.665	4.587	268.7E6	54340433	9.072M4	9.116M4
16)	t	Endosulfan I	3.706	4.459	258.0E6	55356239	9.405M4	9.490
17)	t	Dieldrin	3.967	4.743	263.7E6	54043385	9.207	9.265
18)	t	Endrin	4.222	5.034	274.0E6	55364971	9.291	9.290M4
19)	t	4,4'-DDD	4.330	5.149	217.5E6	42877794	9.016M4	9.006M4
20)	t	Endosulfan I	4.462	5.229	244.8E6	51189135	9.342M4	9.414M4
21)	t	4,4'-DDT	4.623	5.423	244.3E6	48359046	9.044M4	9.199M4
22)	t	Endrin Aldeh	4.880	5.521	203.7E6	43325163	9.394M4	9.572
23)	t	Methoxychlor	5.110	5.980	143.4E6	28493066	9.586M4	9.664M4
24)	t	Mirex	5.167	6.124	213.2E6	46091106	9.277M4	9.646M4
25)	t	Endosulfan S	5.272	5.746	238.0E6	48966714	9.418M3	9.342M4
26)	t	Endrin Keton	5.499	6.157	268.3E6	54951120	9.442M4	9.612M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:04 pm
Operator : PEST10:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:42:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

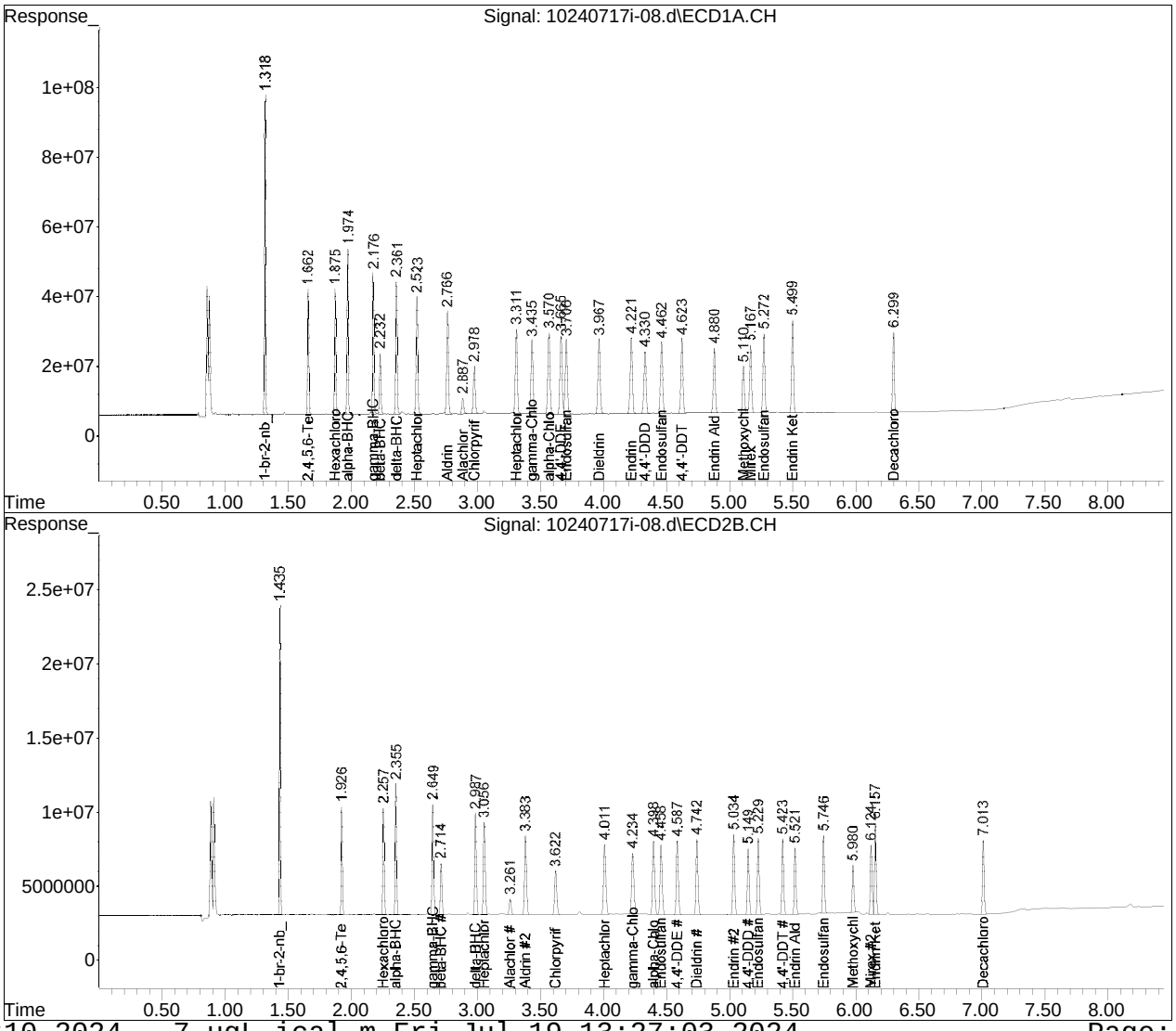
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:04 pm
Operator : PEST10:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:42:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

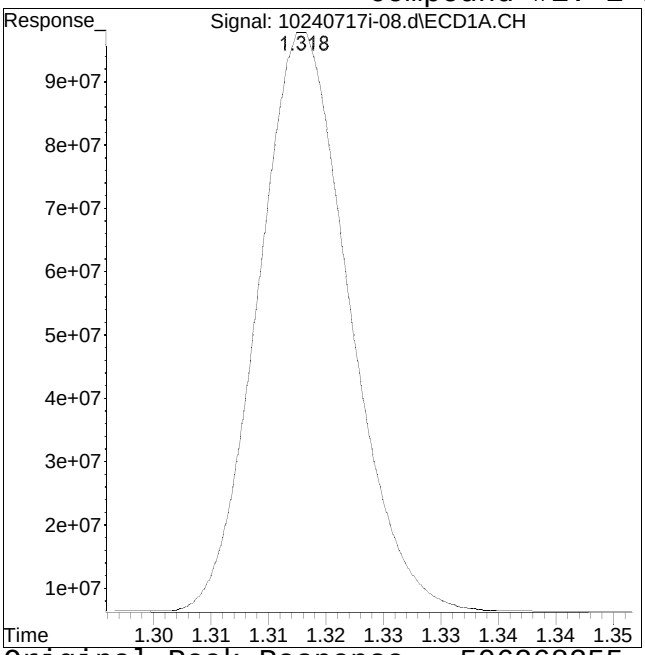
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

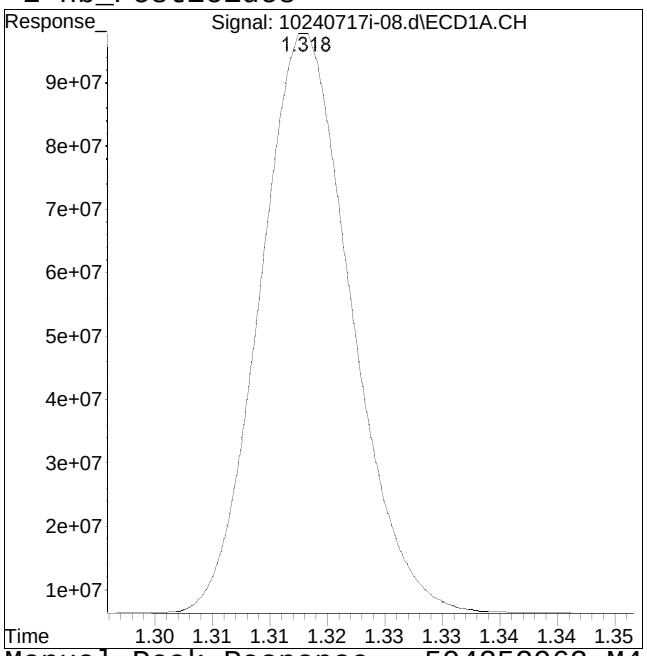


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #1: 1-br-2-nb_Pesticides



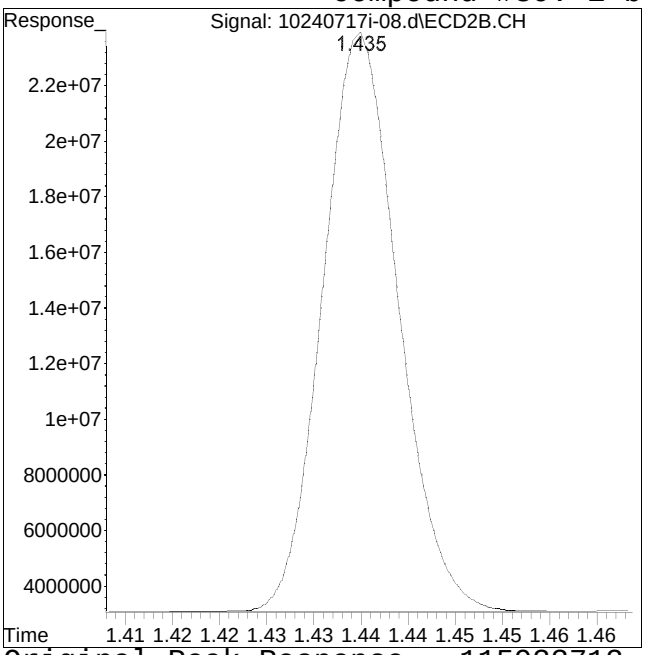


Original Peak Response = 506268355 Manual Peak Response = 504252962 M4
M4 = Poor automated baseline construction.

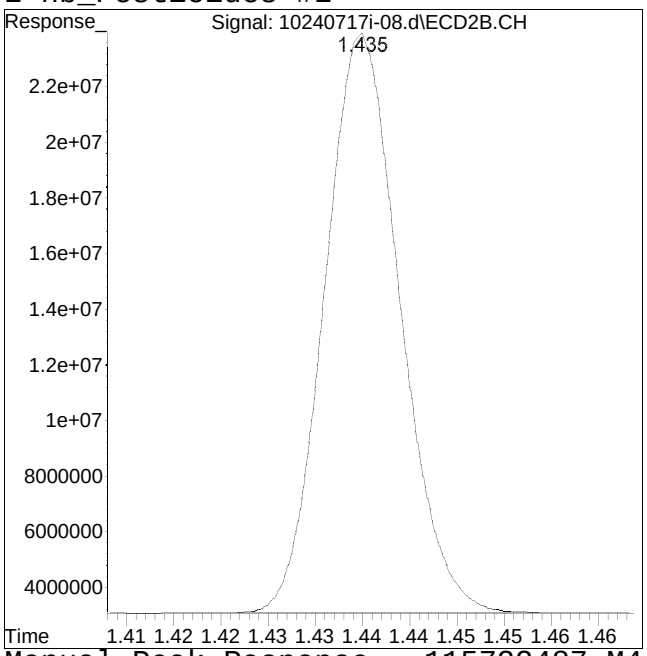
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 115933712



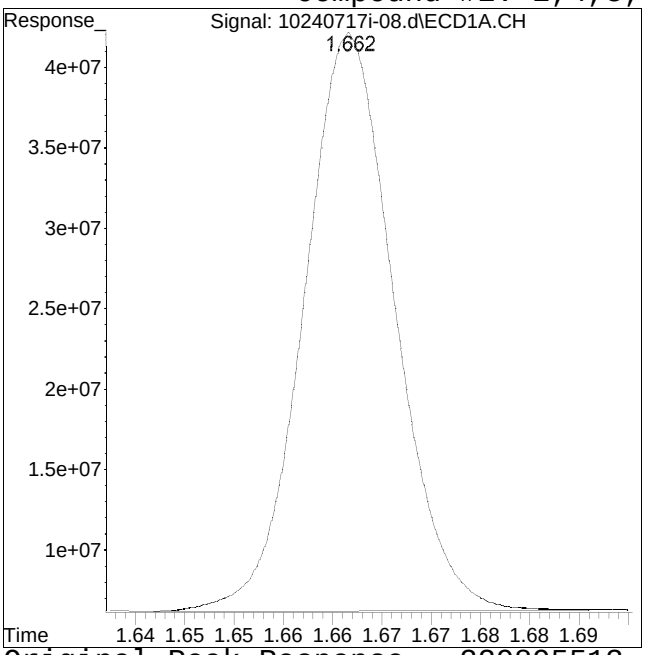
Manual Peak Response = 115722487 M4

M4 = Poor automated baseline construction.

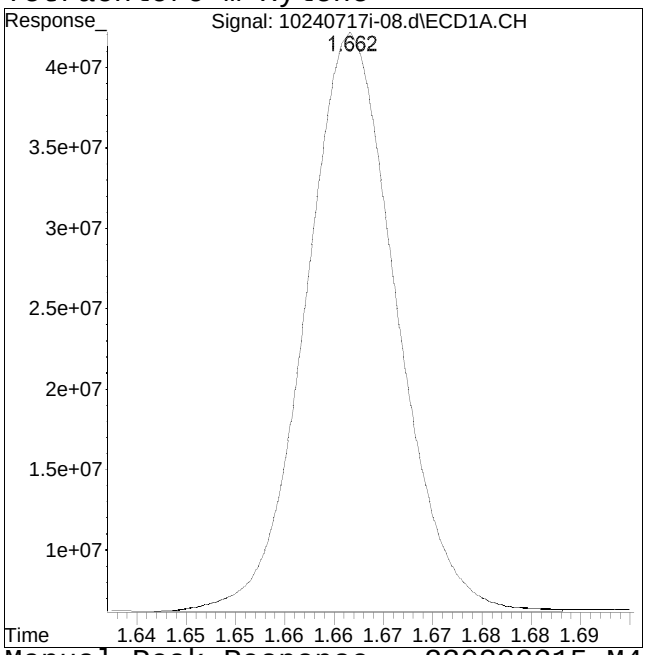
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 229895513



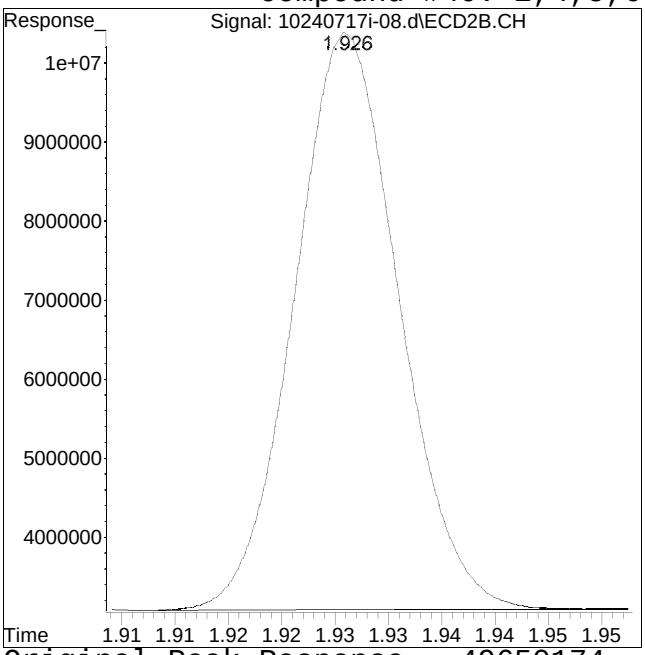
Manual Peak Response = 230322315 M4

M4 = Poor automated baseline construction.

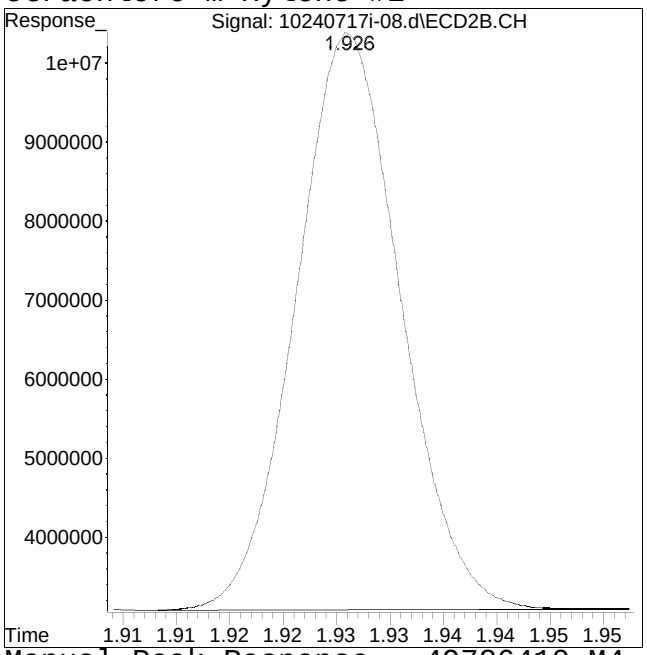
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 49650174



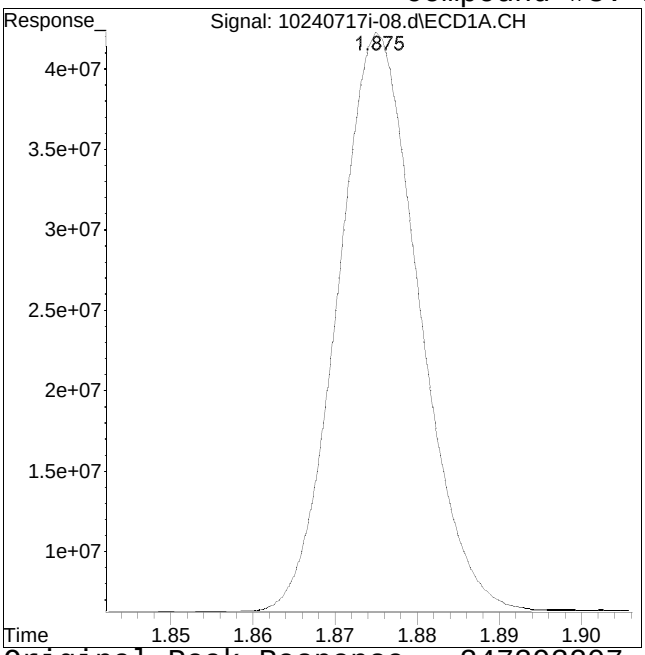
Manual Peak Response = 49726410 M4

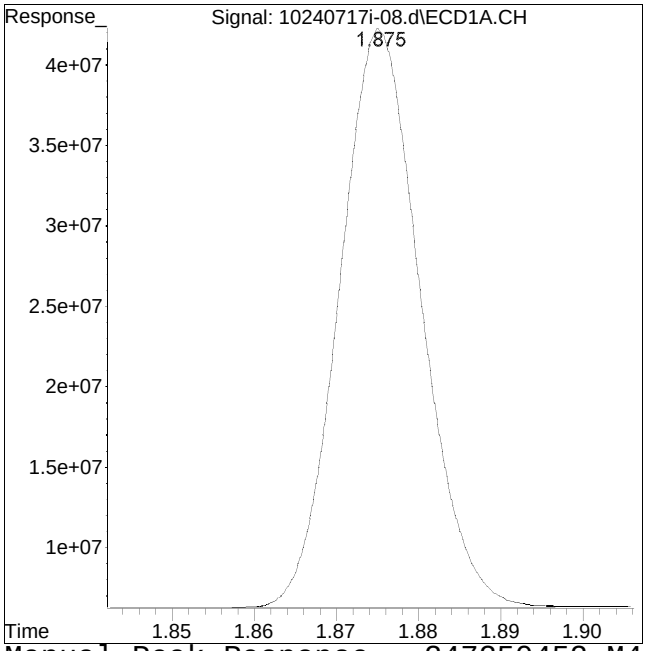
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #3: Hexachlorobenzene



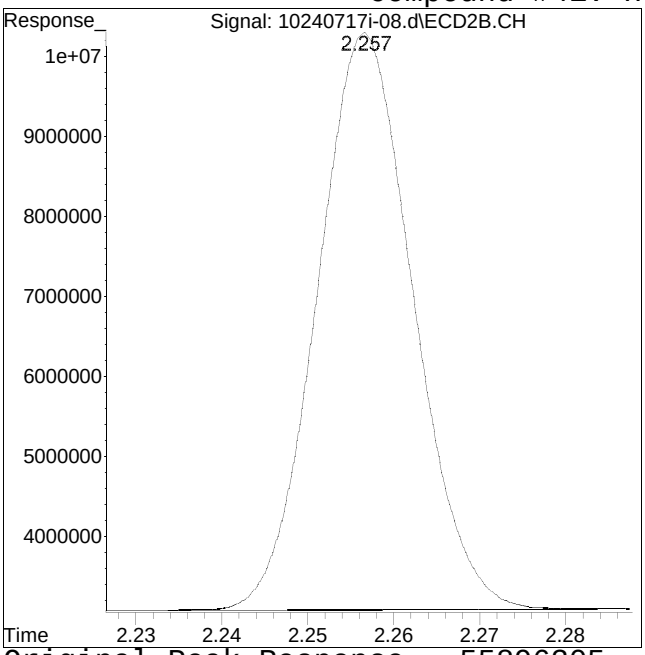


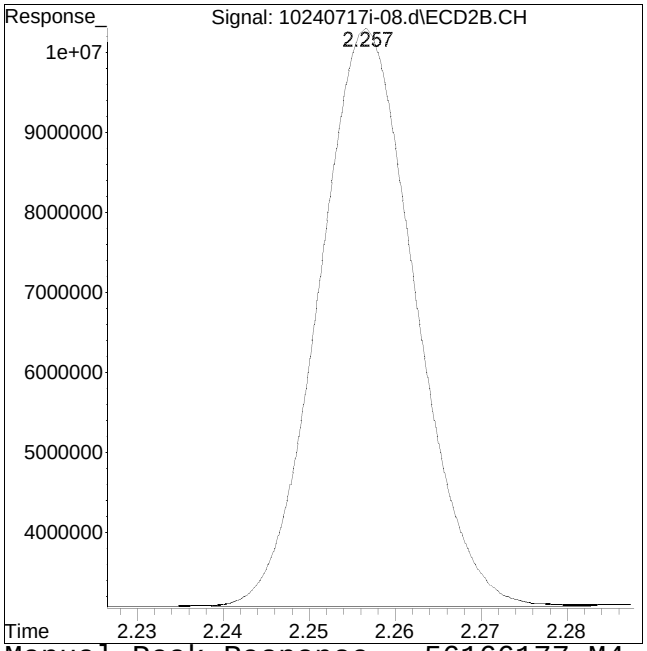
Original Peak Response = 247393207 Manual Peak Response = 247250452 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #41: Hexachlorobenzene #2



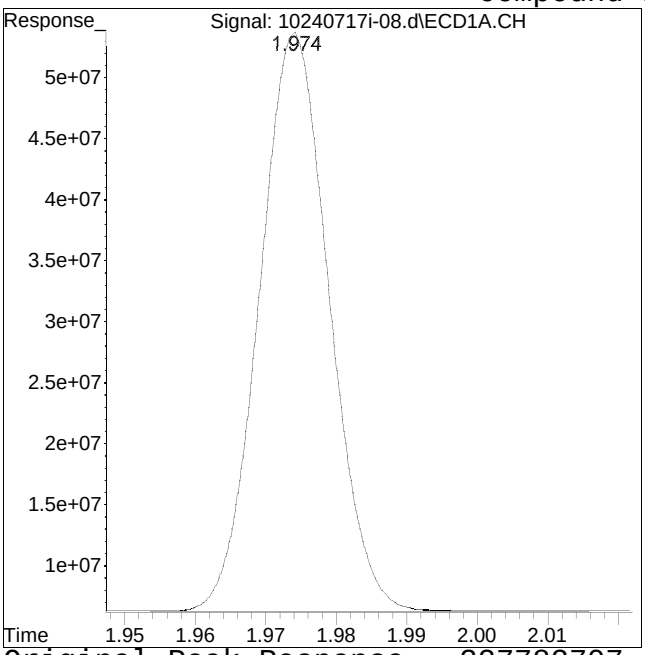


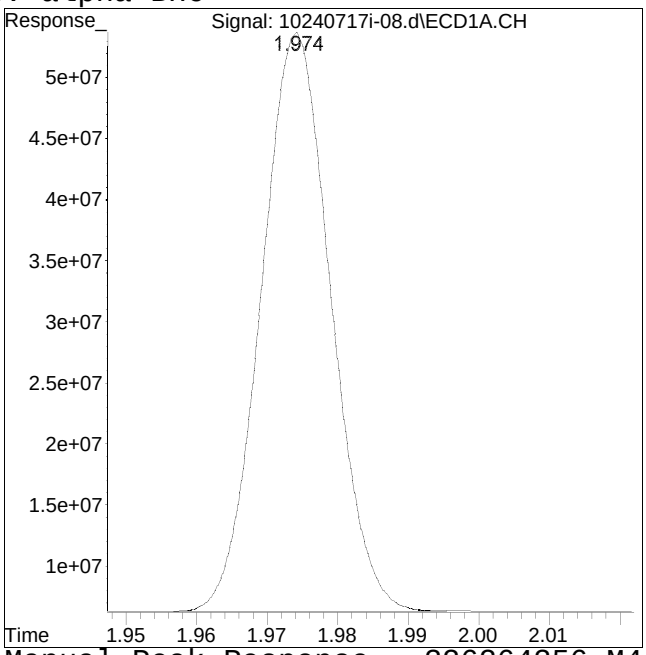
Original Peak Response = 55896305 Manual Peak Response = 56166177 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #4: alpha-BHC



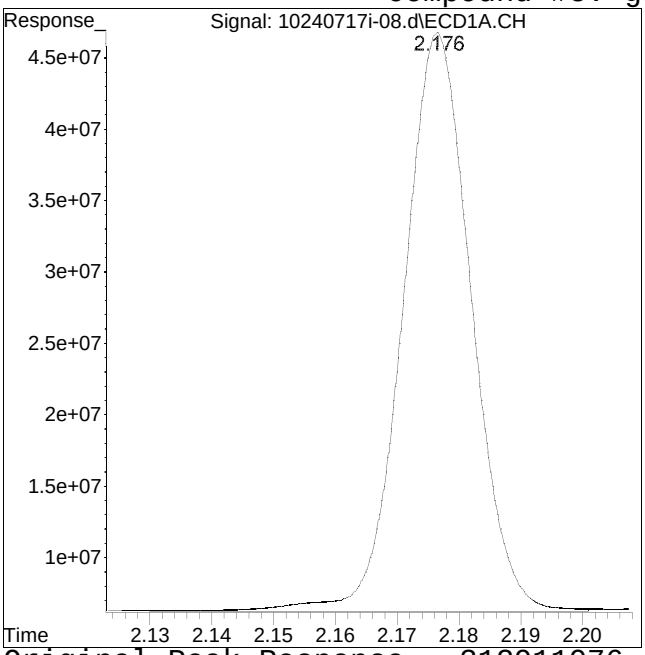


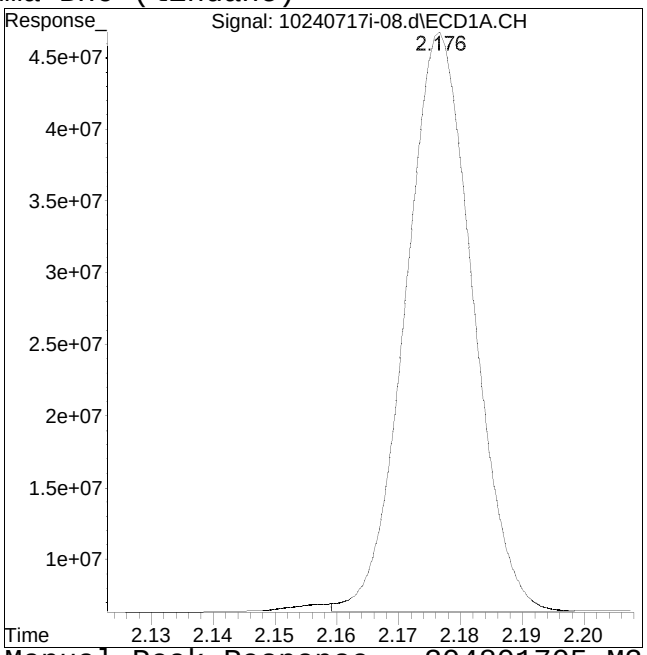
Original Peak Response = 327782707 Manual Peak Response = 326264356 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #5: gamma-BHC (lindane)



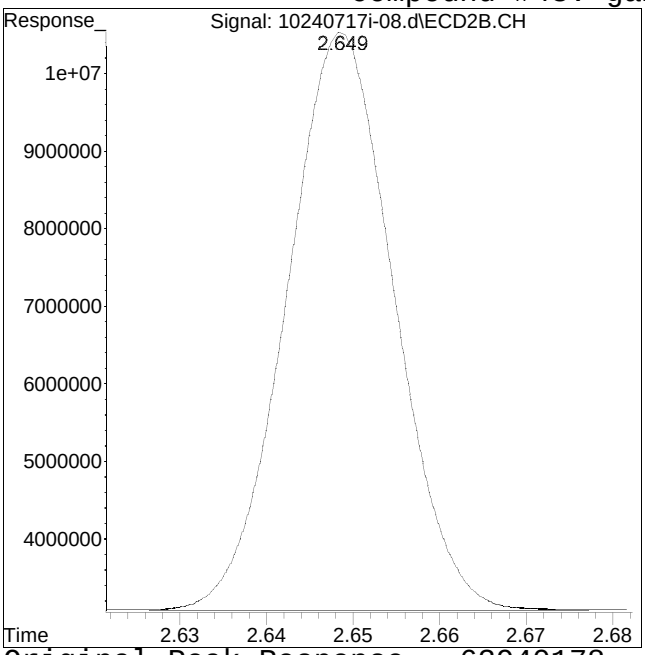


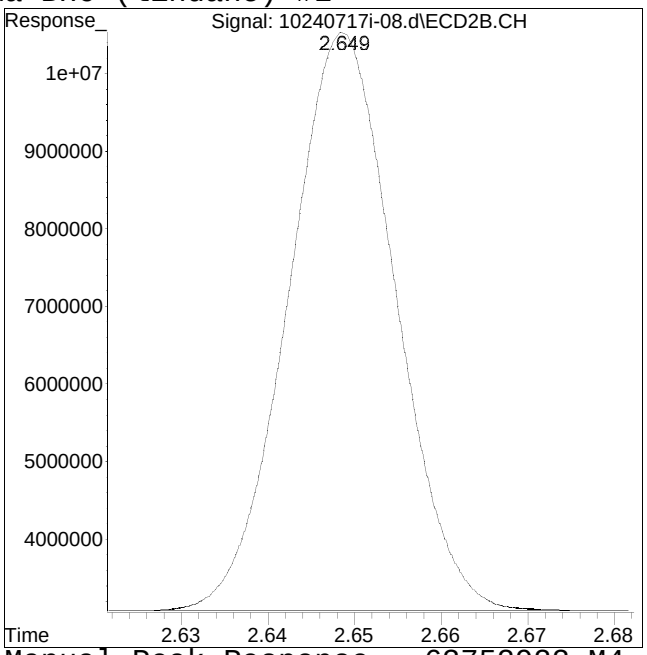
Original Peak Response = 312911976 Manual Peak Response = 304801705 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #43: gamma-BHC (lindane) #2



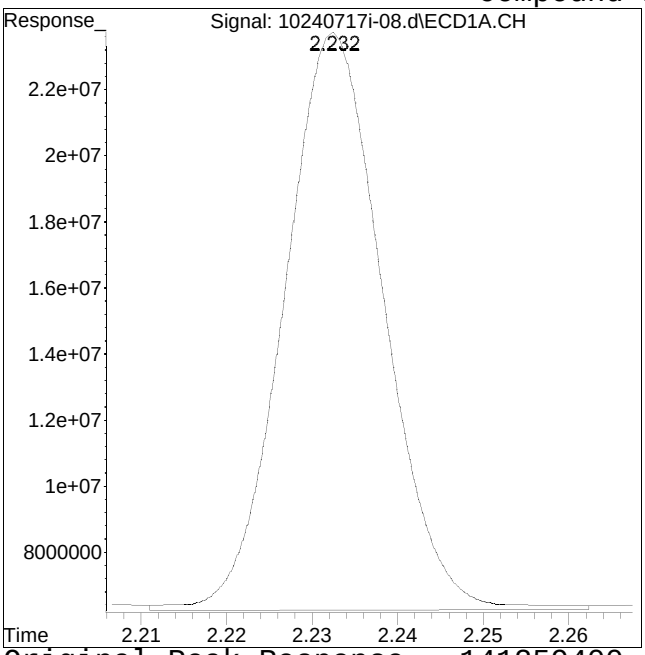


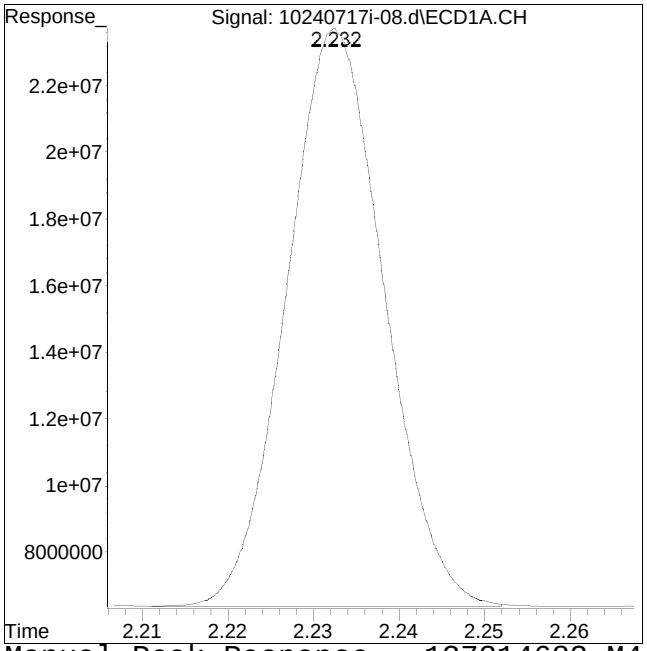
Original Peak Response = 63940178 Manual Peak Response = 63752922 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #6: beta-BHC



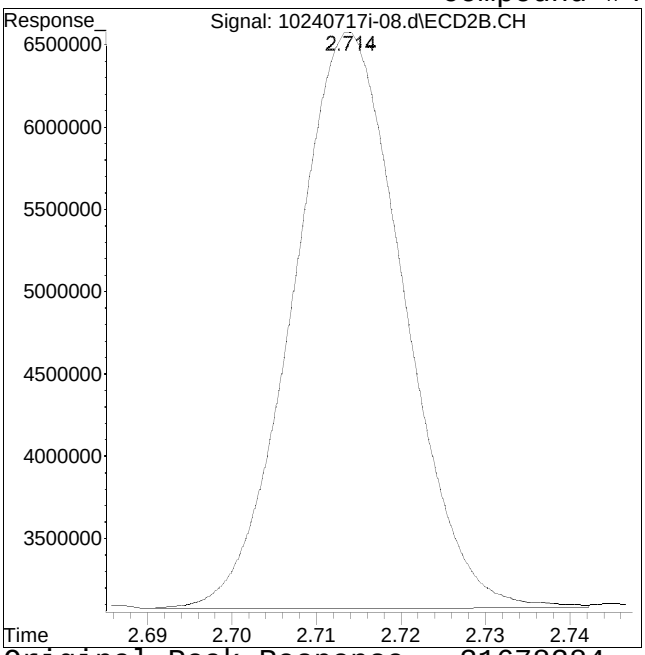


Original Peak Response = 141259400 Manual Peak Response = 137314683 M4
M4 = Poor automated baseline construction.

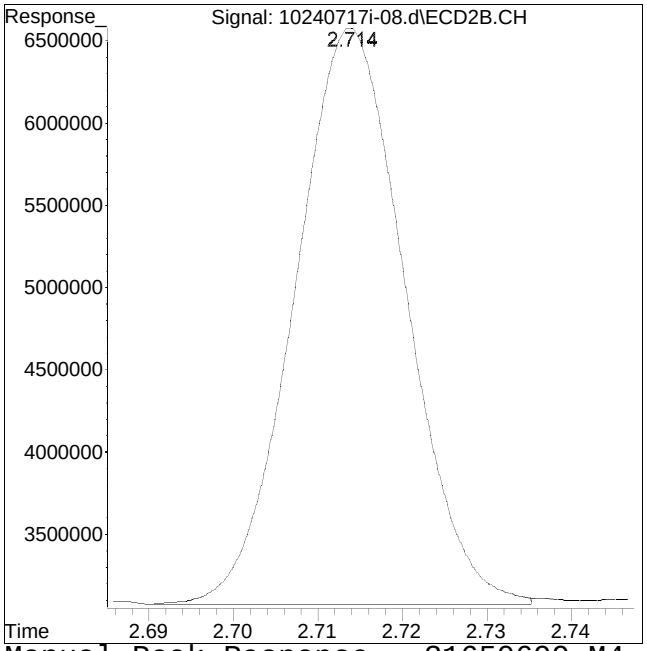
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #44: beta-BHC #2



Original Peak Response = 31678284



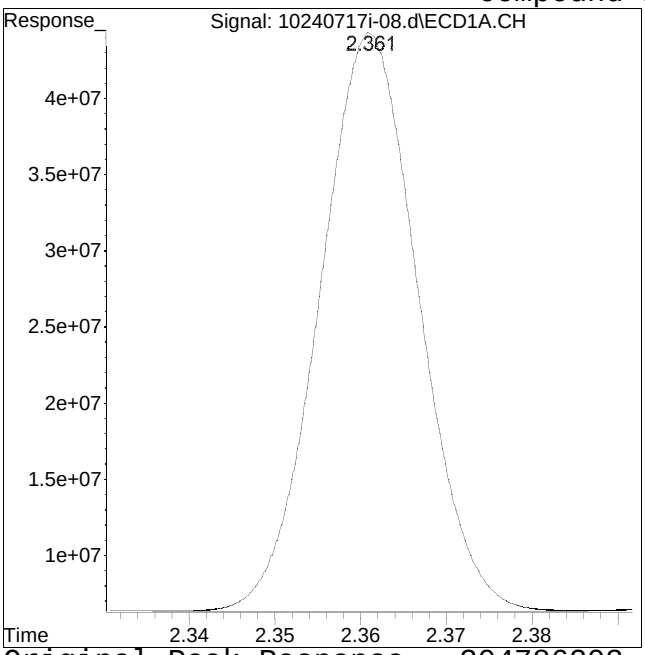
Manual Peak Response = 31650699 M4

M4 = Poor automated baseline construction.

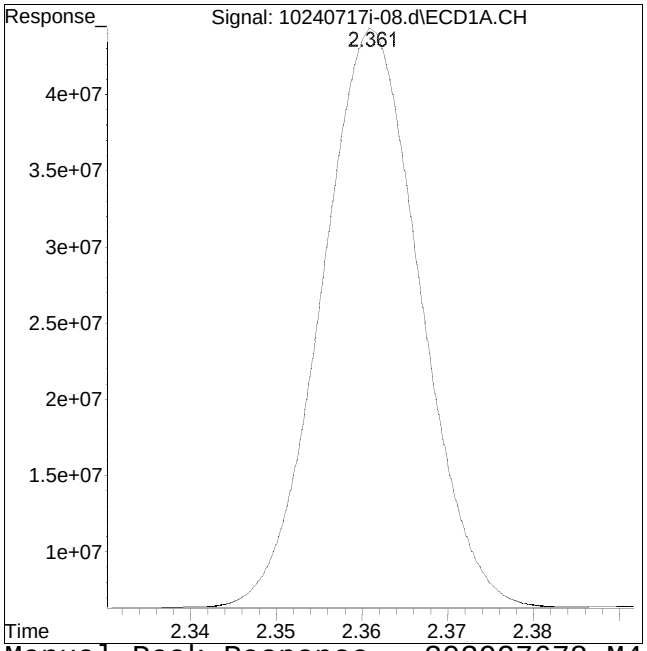
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #7: delta-BHC



Original Peak Response = 304786203



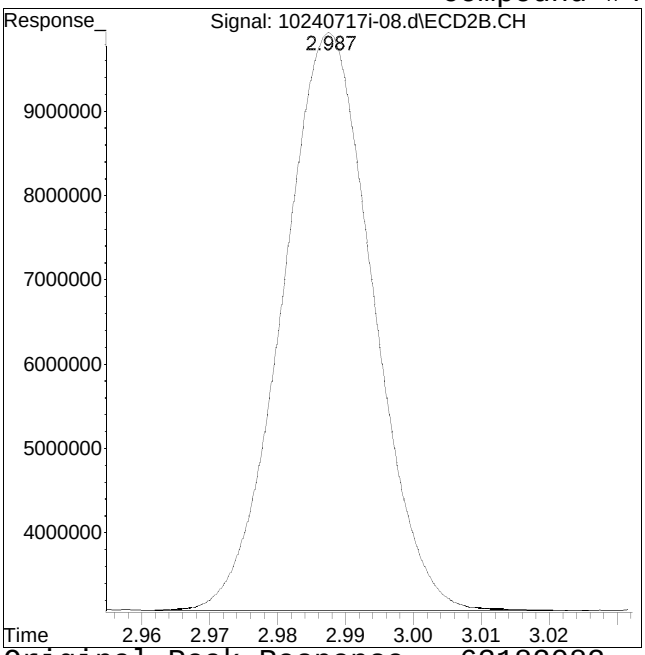
Manual Peak Response = 303927678 M4

M4 = Poor automated baseline construction.

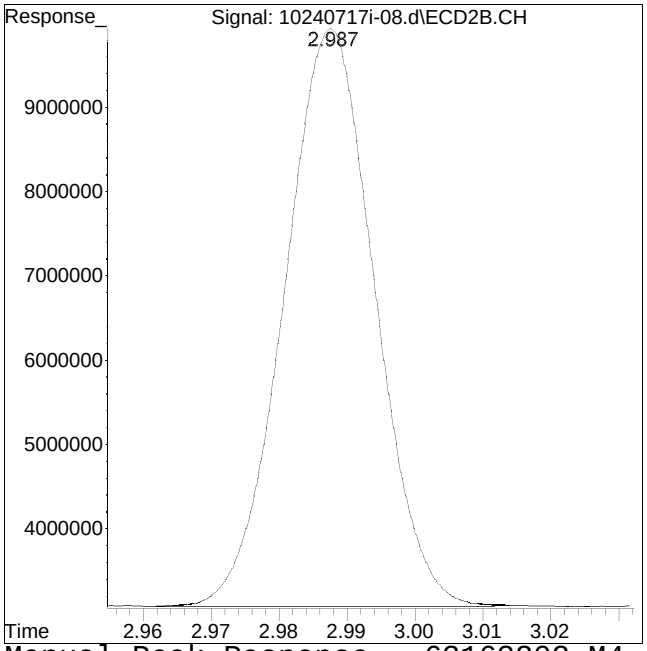
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #45: delta-BHC #2



Original Peak Response = 63182082



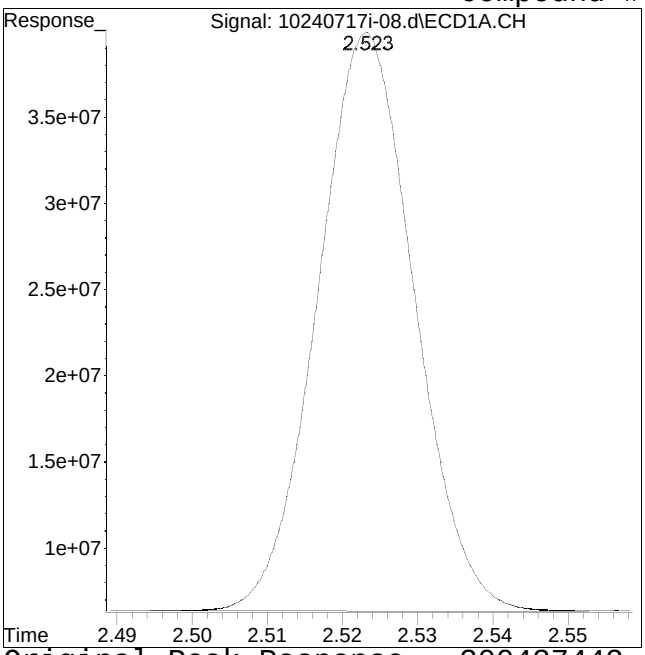
Manual Peak Response = 63163202 M4

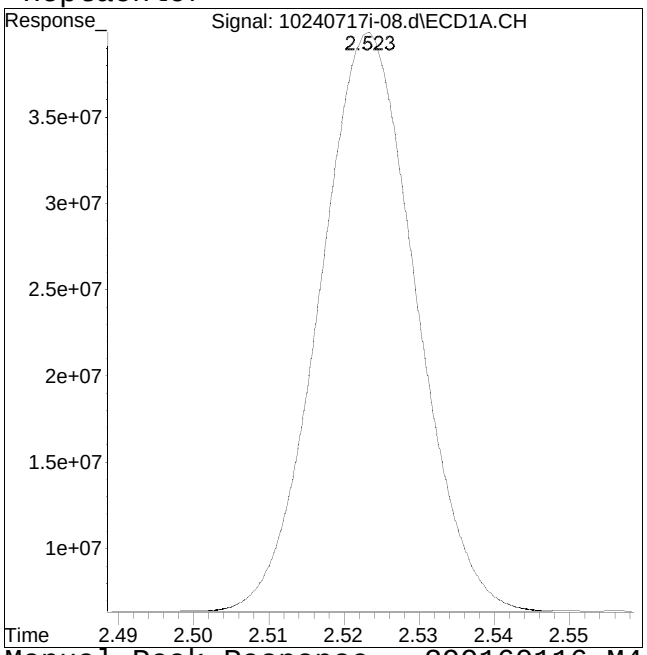
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #8: Heptachlor



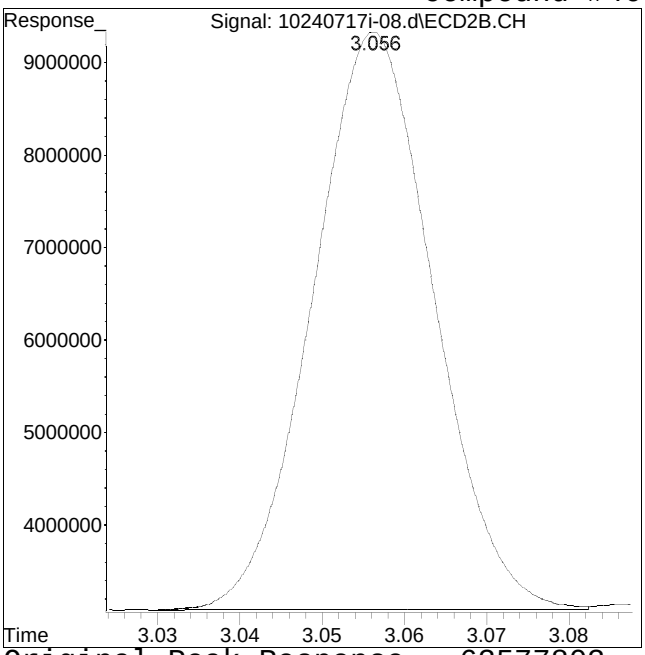


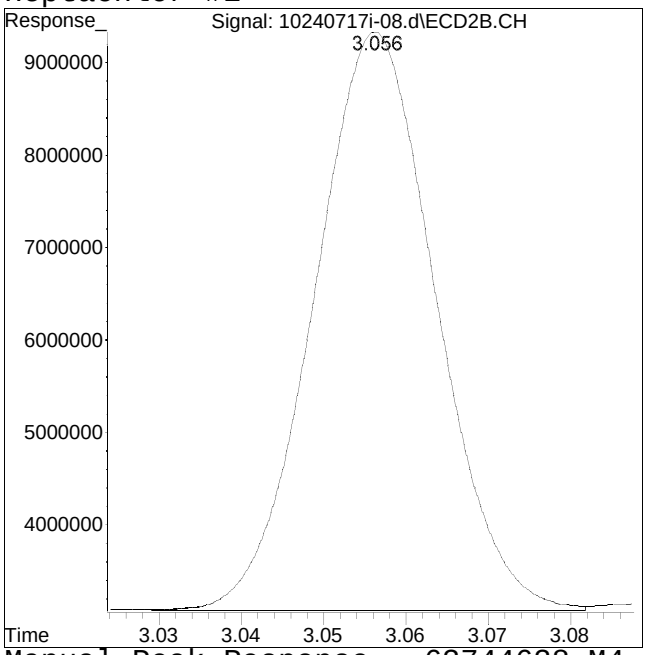
Original Peak Response = 300437442 Manual Peak Response = 299160116 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #46: Heptachlor #2



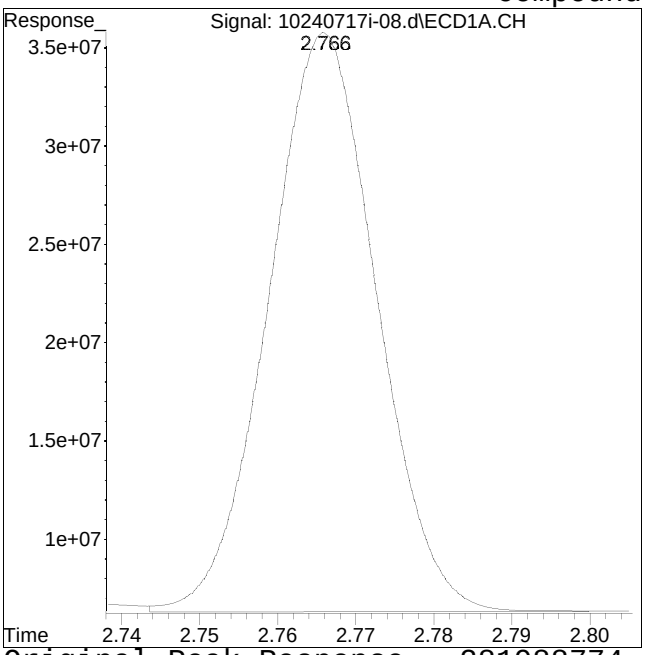


Original Peak Response = 63577803 Manual Peak Response = 63744638 M4
M4 = Poor automated baseline construction.

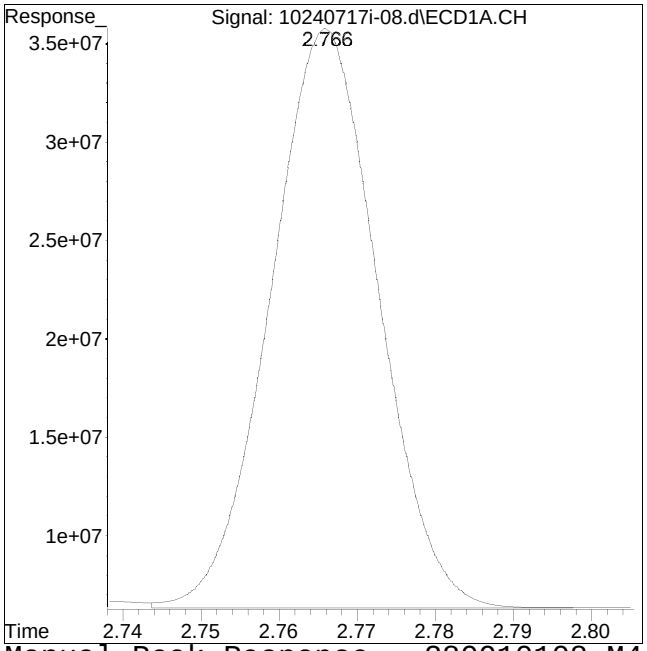
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #9: Aldrin



Original Peak Response = 281988774



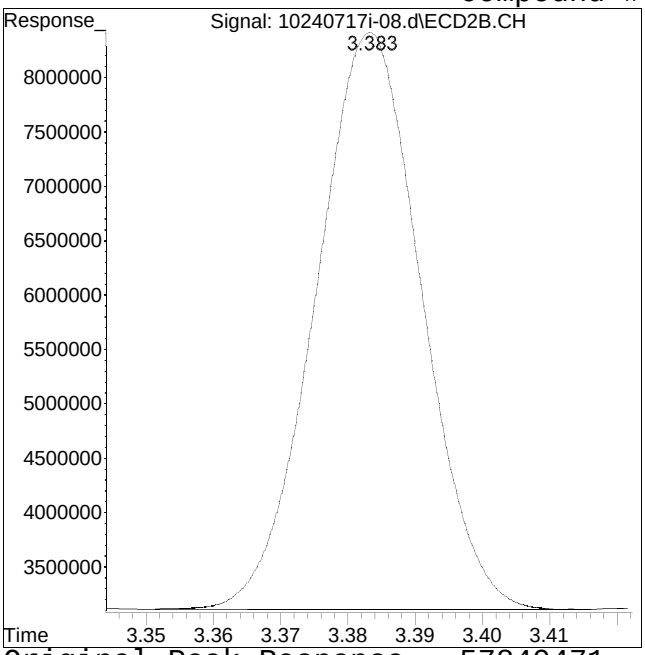
Manual Peak Response = 280910108 M4

M4 = Poor automated baseline construction.

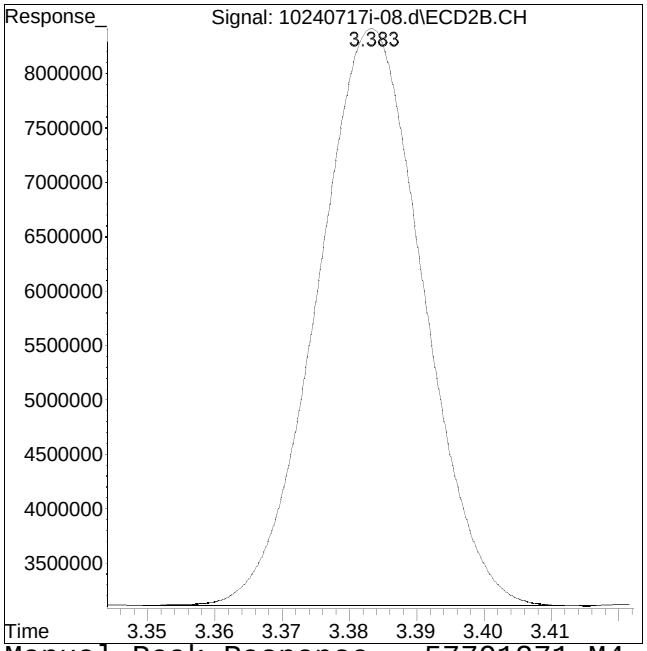
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #47: Aldrin #2



Original Peak Response = 57840471



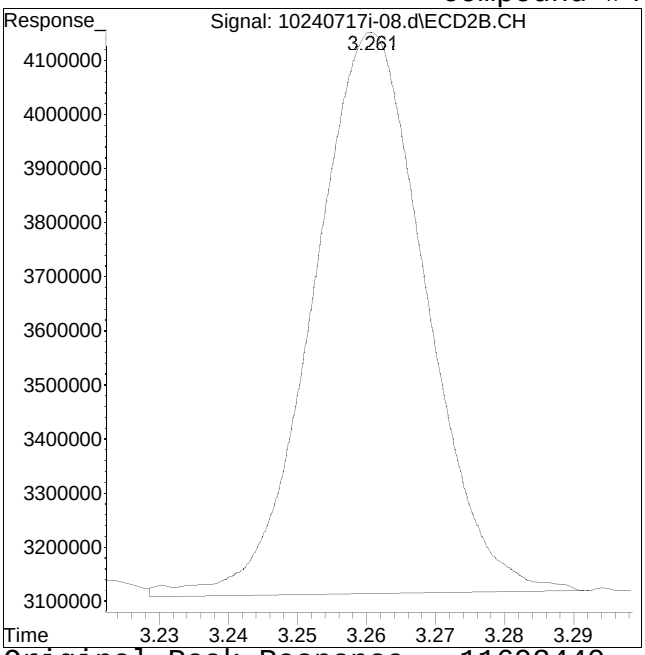
Manual Peak Response = 57791271 M4

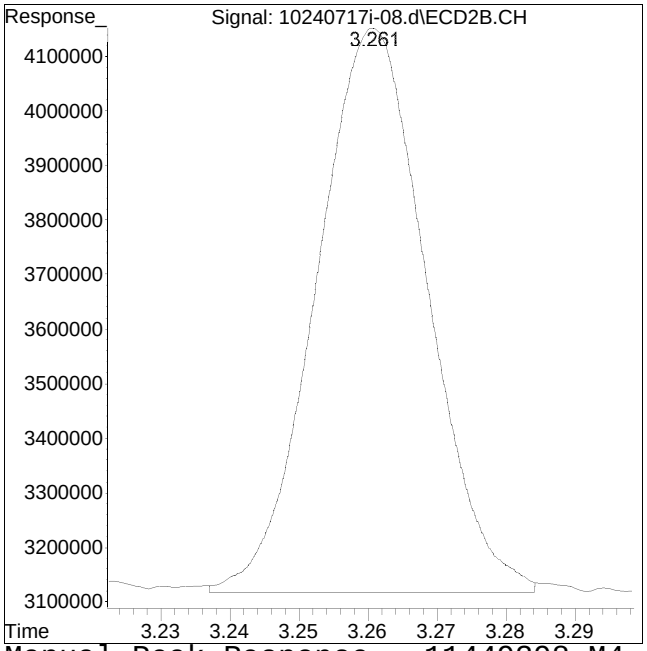
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #48: Alachlor #2



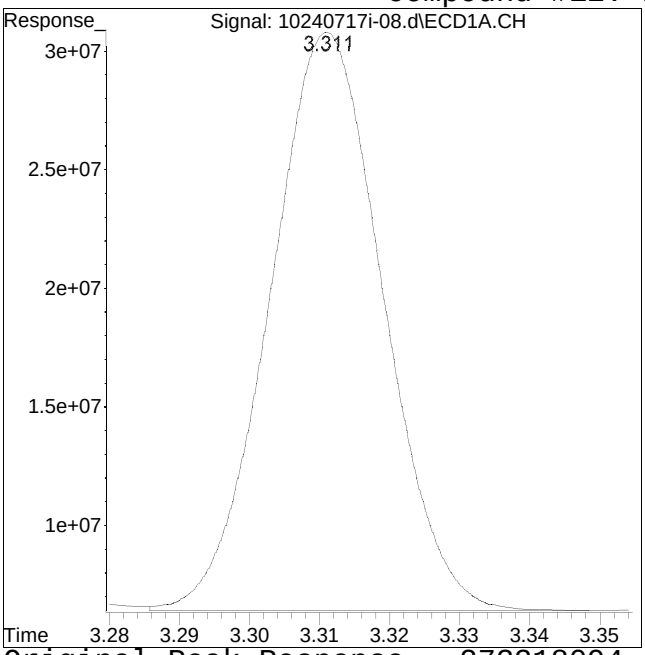


Original Peak Response = 11692440 Manual Peak Response = 11449398 M4
M4 = Poor automated baseline construction.

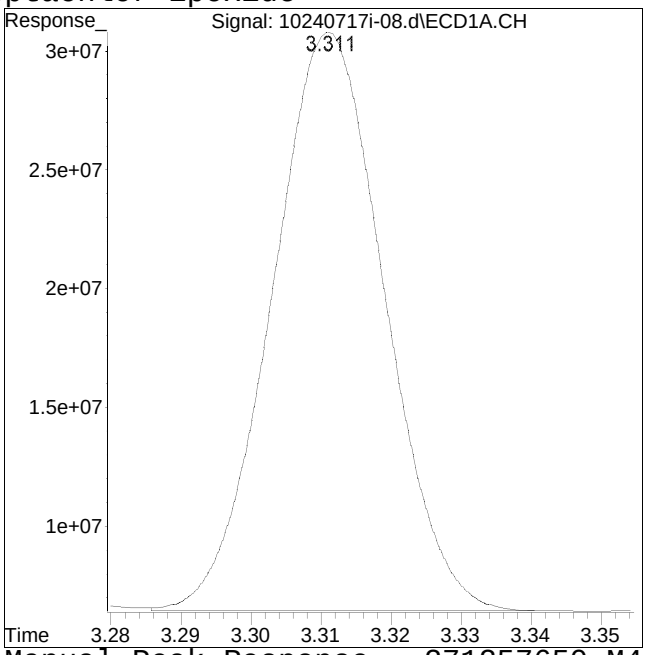
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 273318094

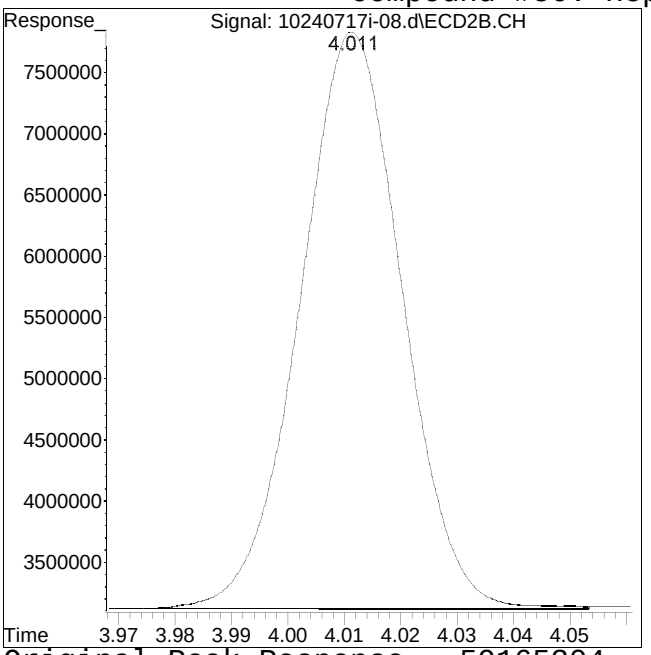


Manual Peak Response = 271257650 M4
M4 = Poor automated baseline construction.

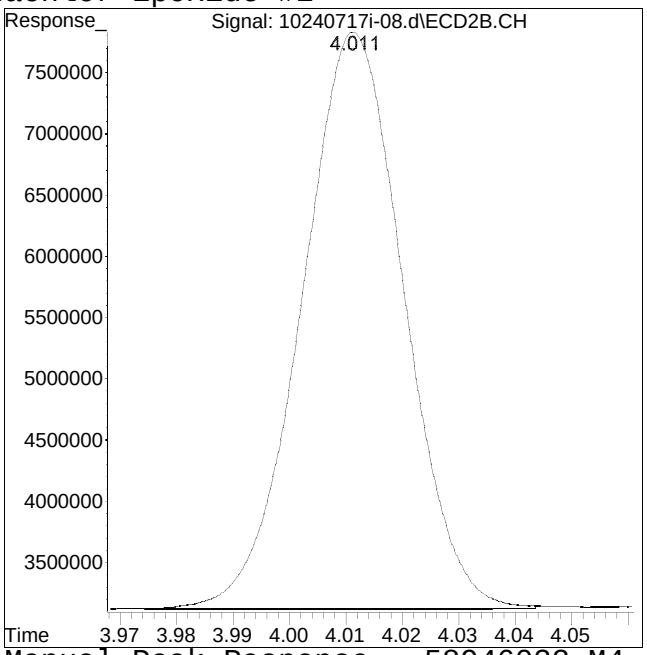
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 59165304



Manual Peak Response = 58946032 M4

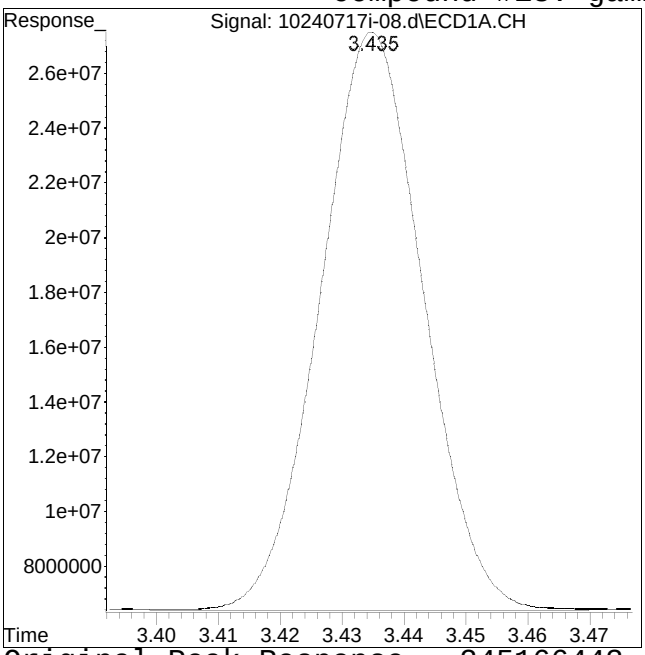
M4 = Poor automated baseline construction.

Manual Integration Report

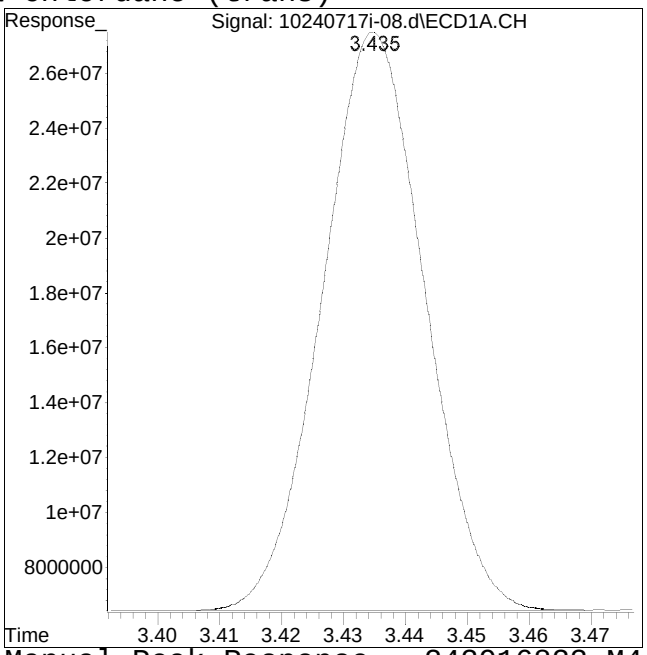
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-08.d
Date Inj'd : 7/17/2024 1:04 pm
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 11:42 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 245166443



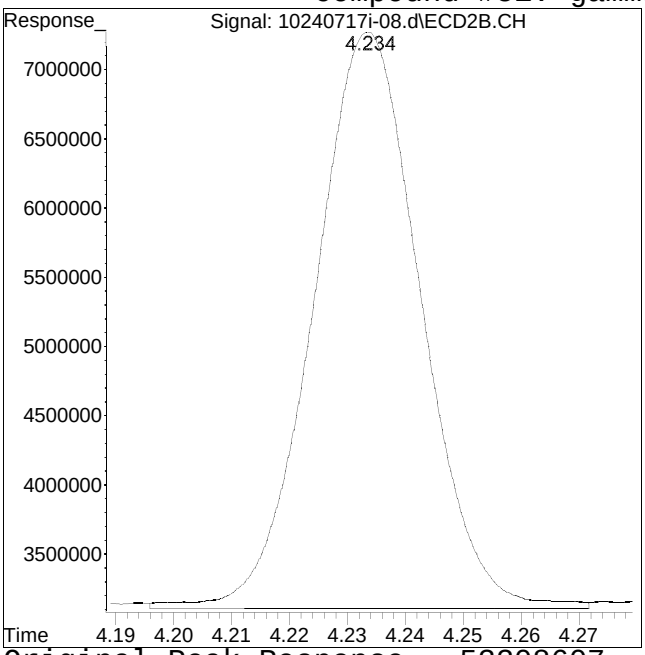
Manual Peak Response = 242916823 M4

M4 = Poor automated baseline construction.

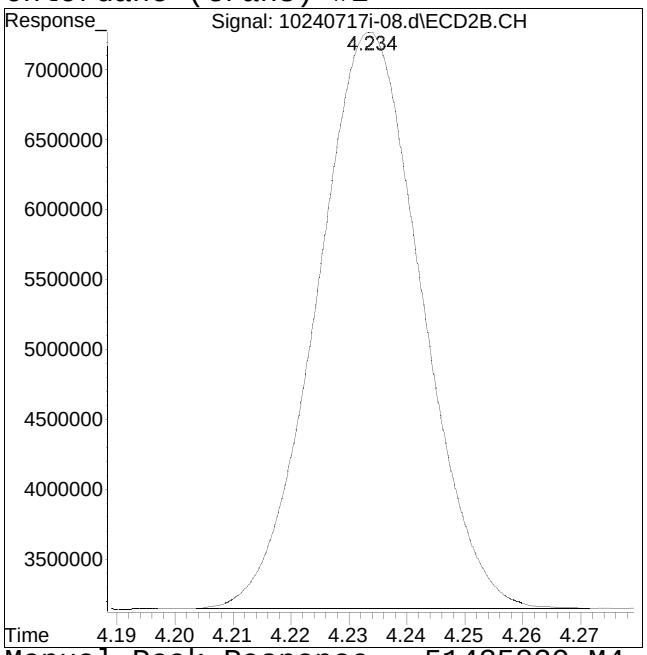
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 53308607



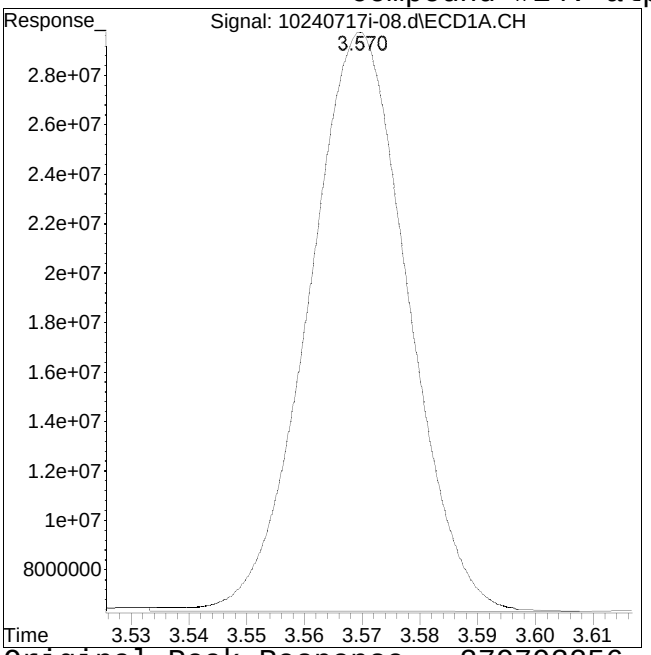
Manual Peak Response = 51435829 M4

M4 = Poor automated baseline construction.

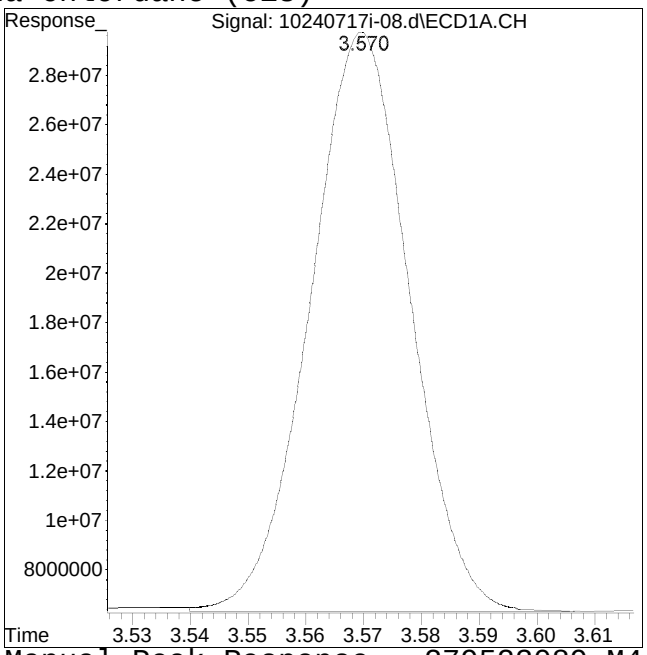
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 279793256



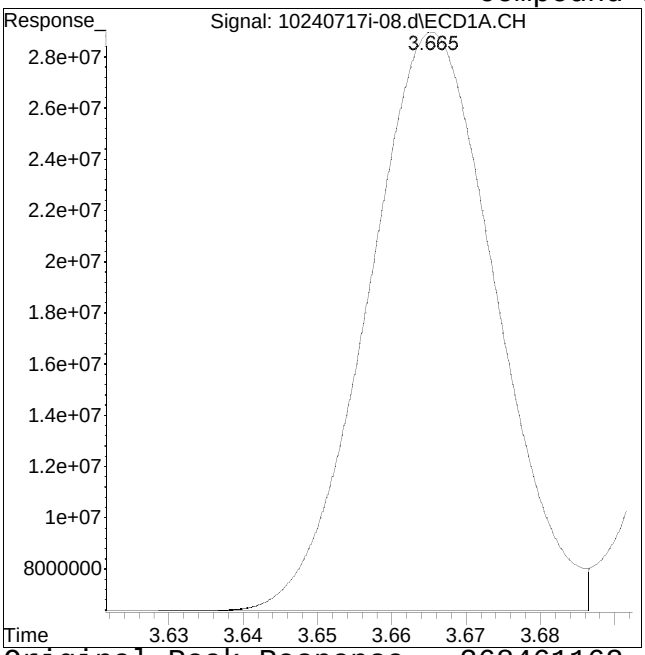
Manual Peak Response = 279523089 M4

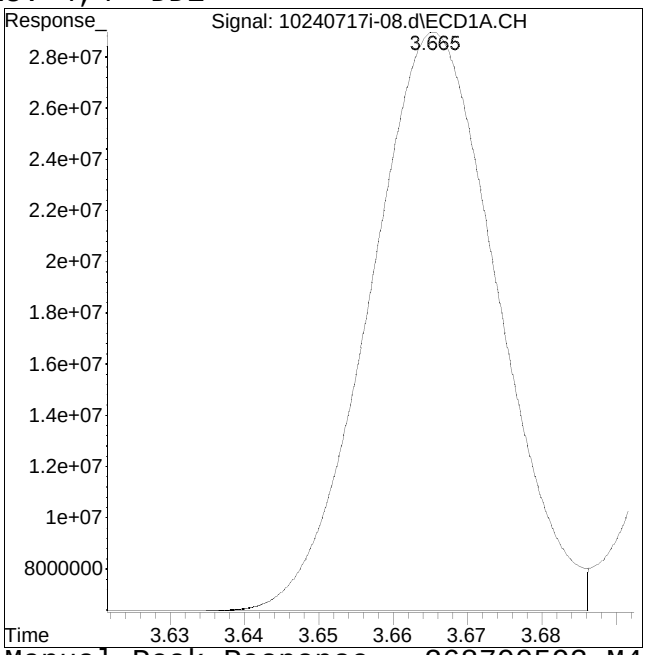
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #15: 4,4'-DDE



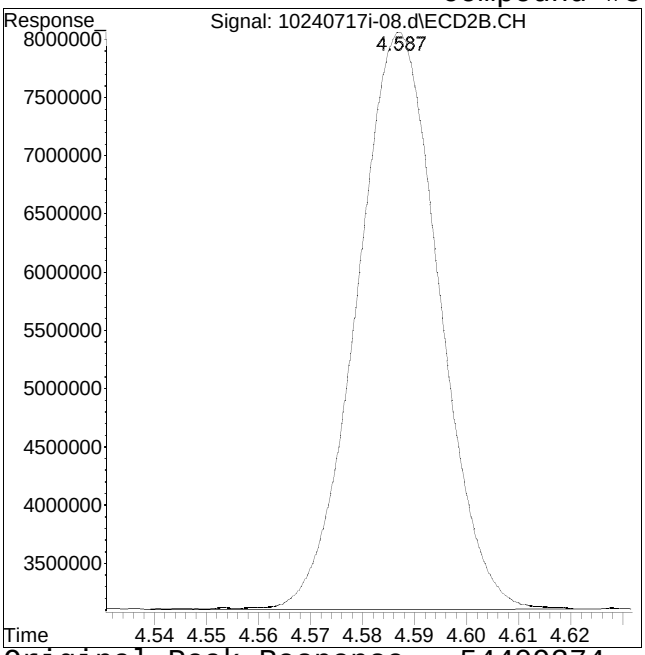


Original Peak Response = 268461162 Manual Peak Response = 268700593 M4
M4 = Poor automated baseline construction.

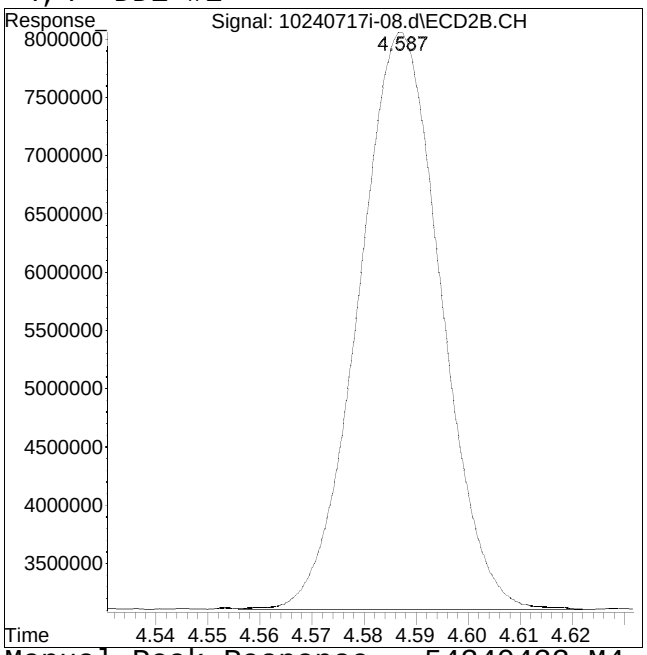
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 54409374



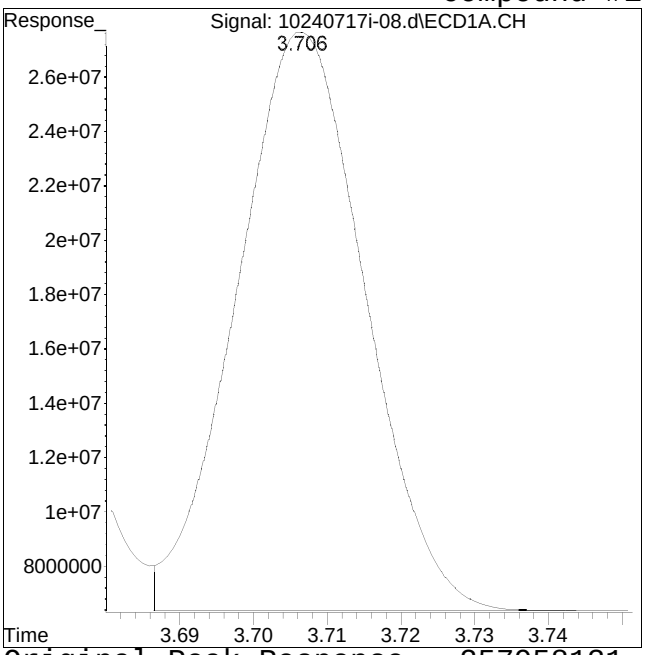
Manual Peak Response = 54340433 M4

M4 = Poor automated baseline construction.

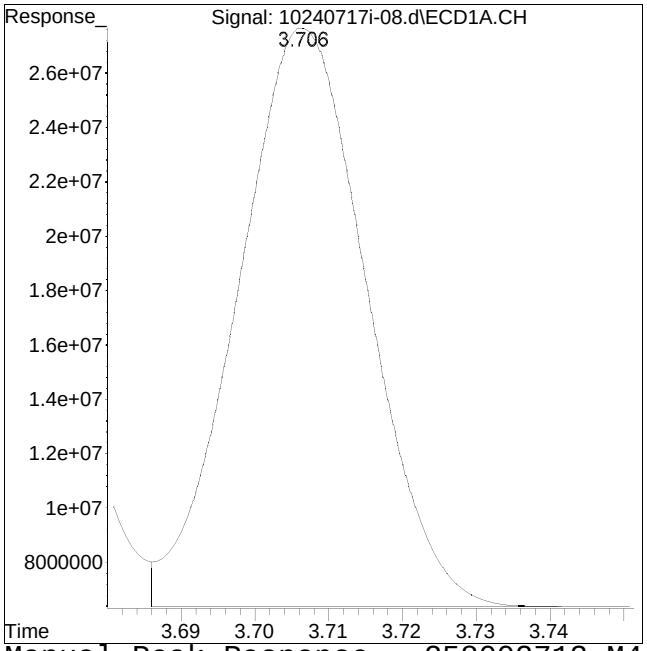
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #16: Endosulfan I



Original Peak Response = 257958131



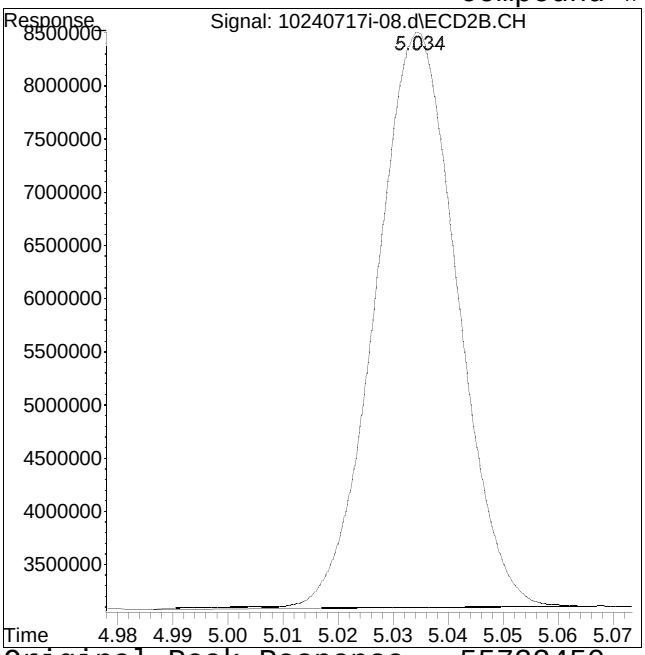
Manual Peak Response = 258002713 M4

M4 = Poor automated baseline construction.

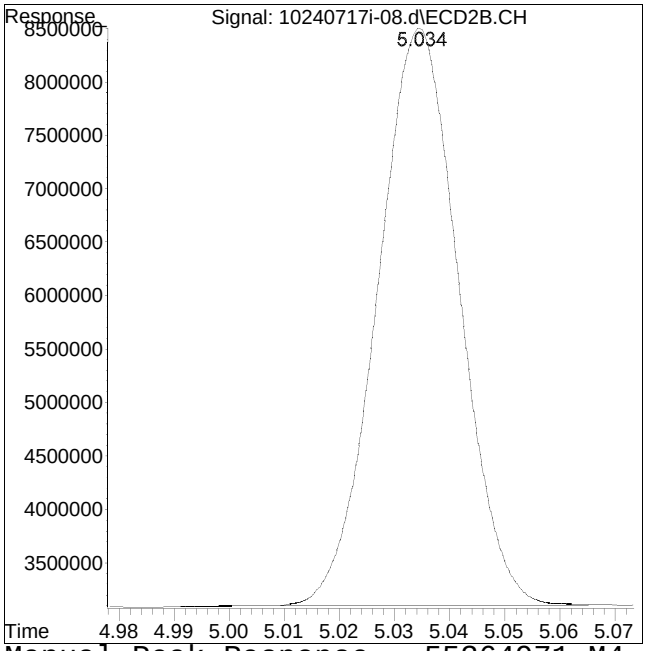
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #56: Endrin #2



Original Peak Response = 55733450



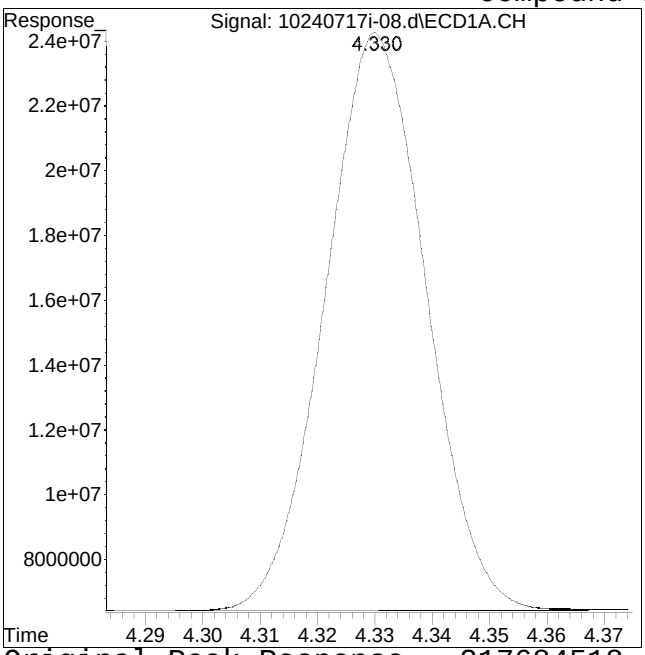
Manual Peak Response = 55364971 M4

M4 = Poor automated baseline construction.

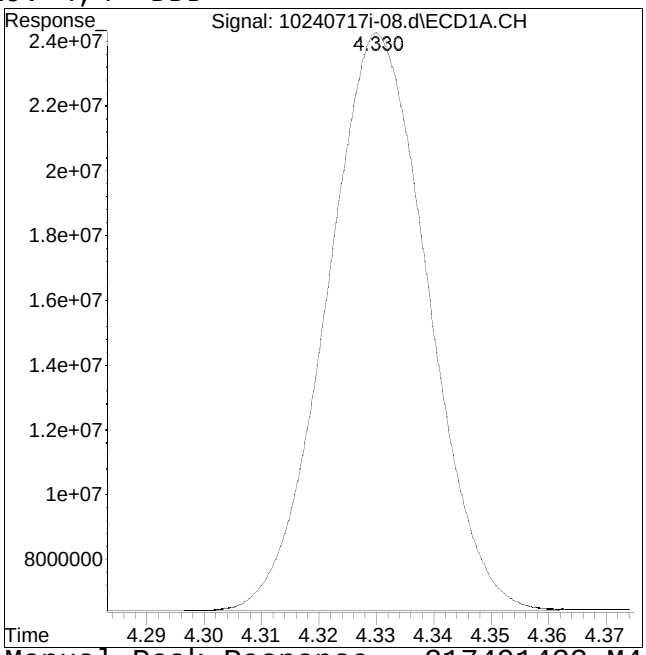
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #19: 4,4'-DDD



Original Peak Response = 217684518



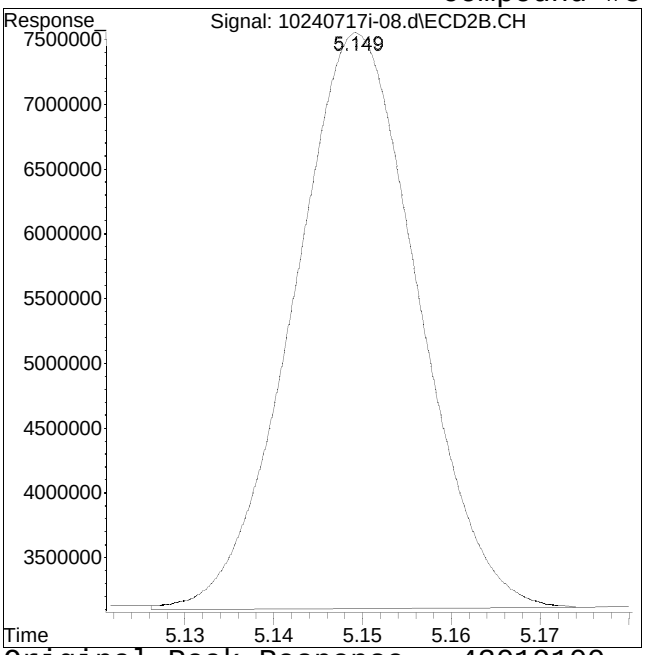
Manual Peak Response = 217491432 M4

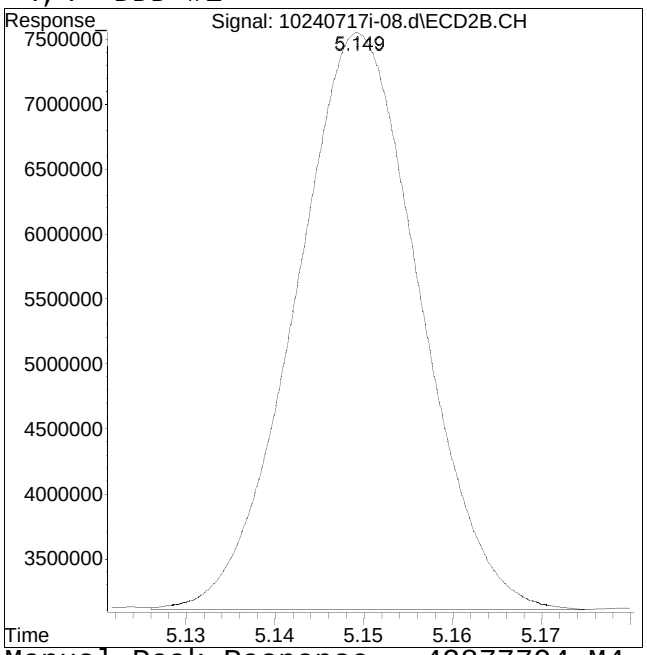
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #57: 4,4'-DDD #2



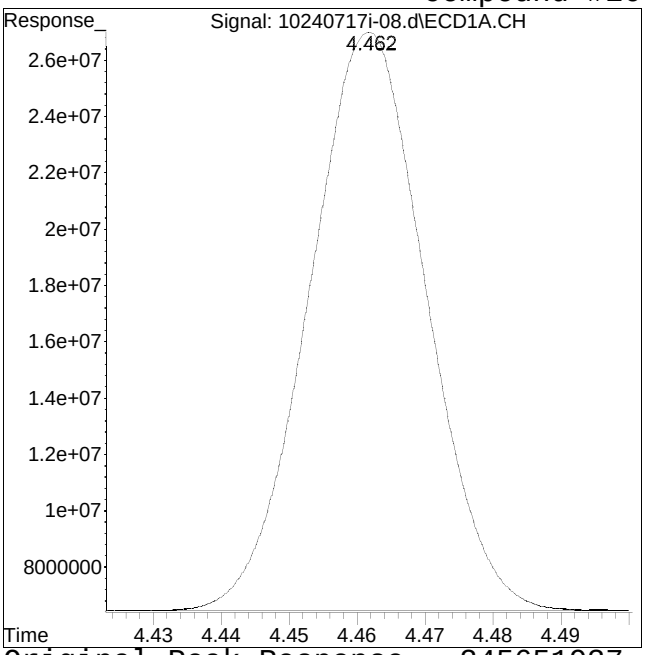


Original Peak Response = 43019100 Manual Peak Response = 42877794 M4
M4 = Poor automated baseline construction.

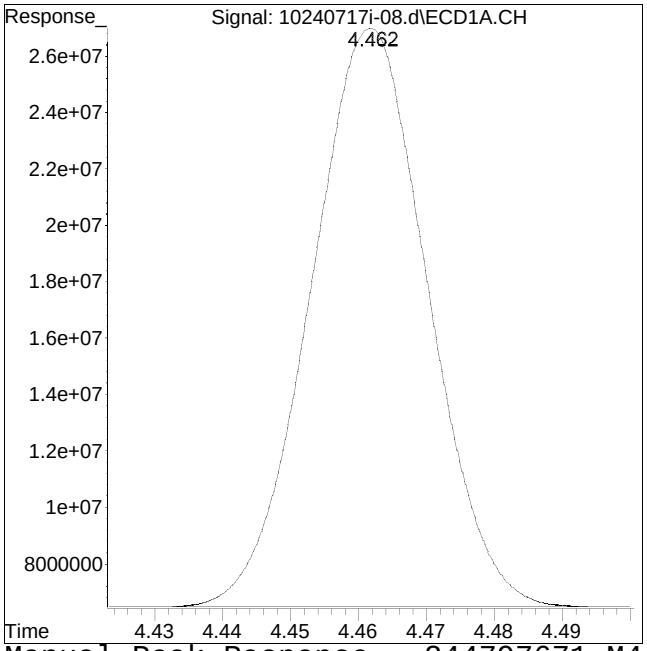
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #20: Endosulfan II



Original Peak Response = 245651937



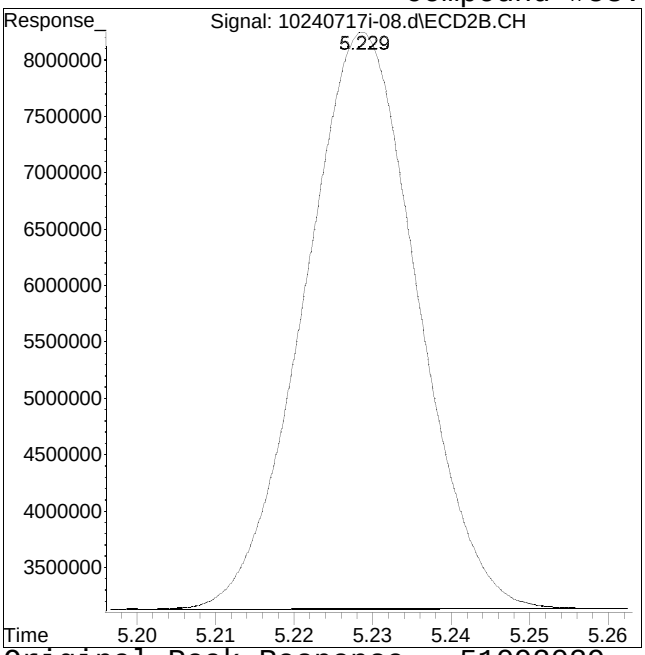
Manual Peak Response = 244797671 M4

M4 = Poor automated baseline construction.

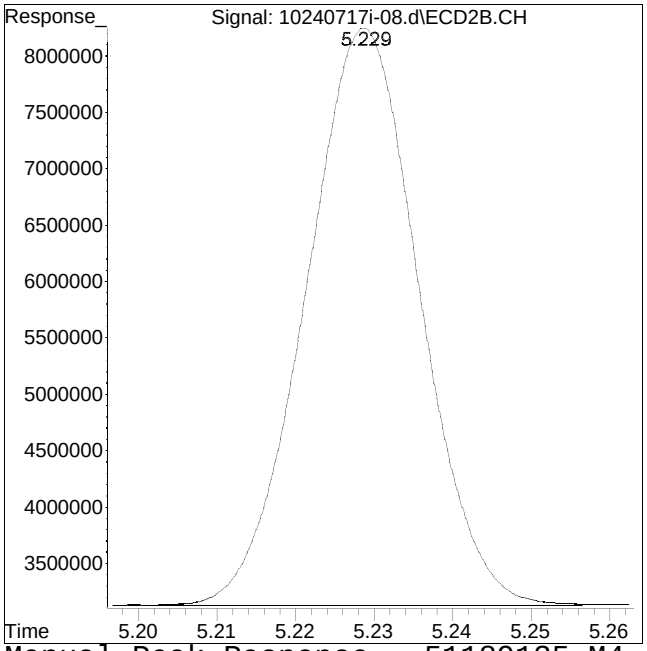
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #58: Endosulfan II #2



Original Peak Response = 51092039



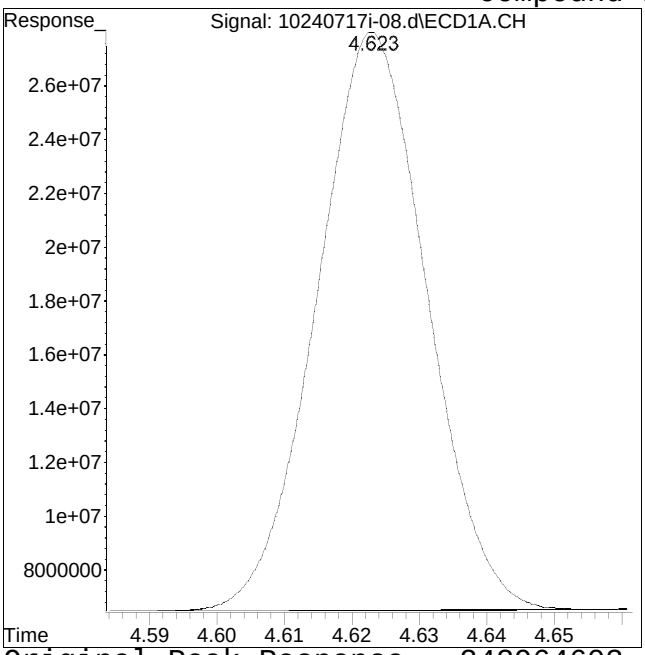
Manual Peak Response = 51189135 M4

M4 = Poor automated baseline construction.

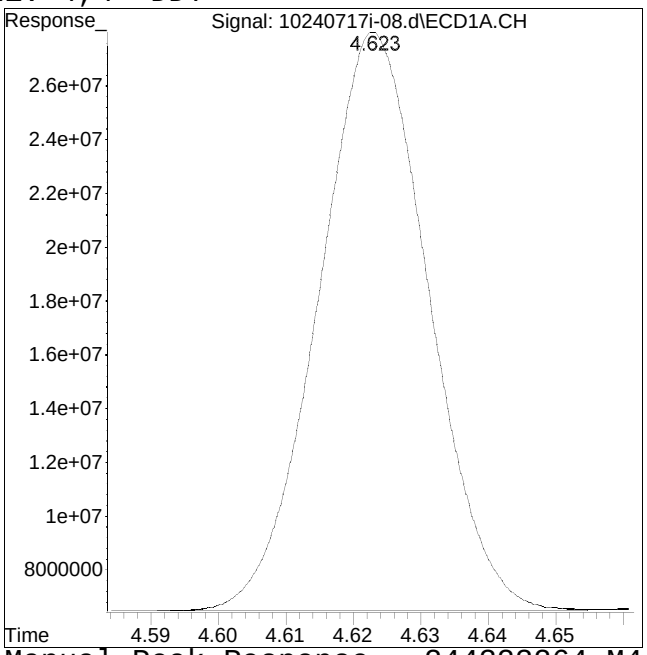
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #21: 4,4'-DDT



Original Peak Response = 242964603



Manual Peak Response = 244323264 M4

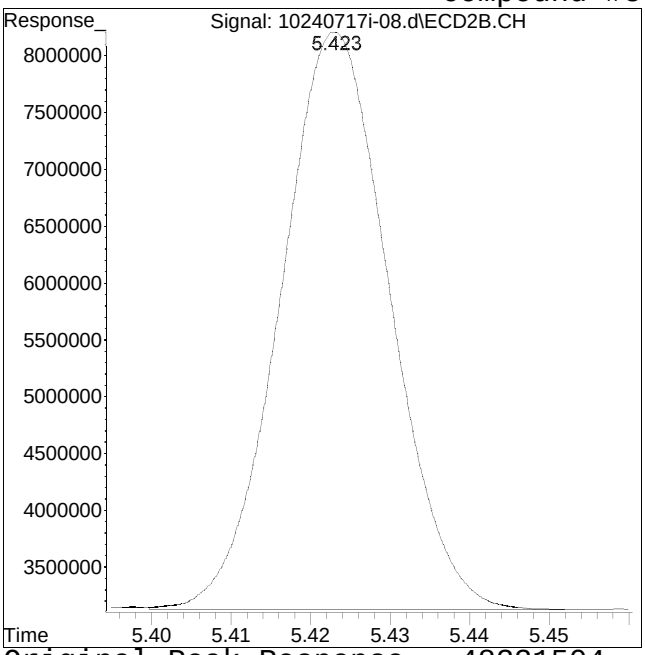
M4 = Poor automated baseline construction.

Manual Integration Report

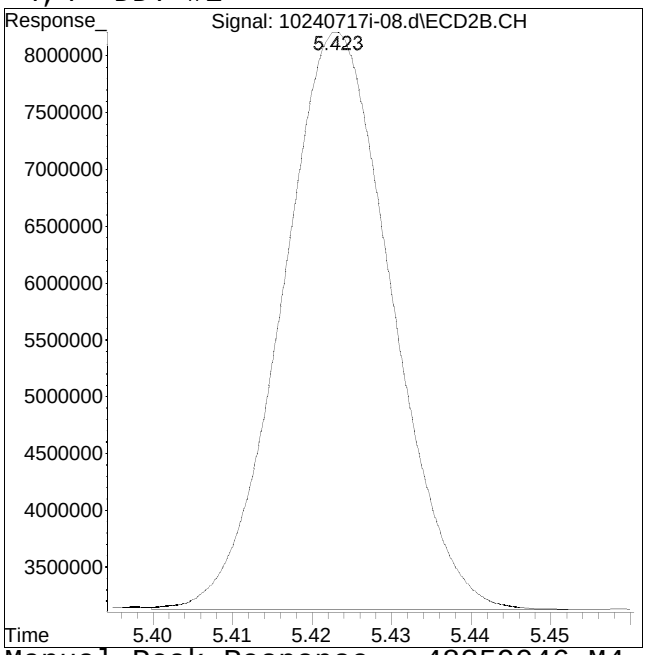
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-08.d
Date Inj'd : 7/17/2024 1:04 pm
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 11:42 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 48331504



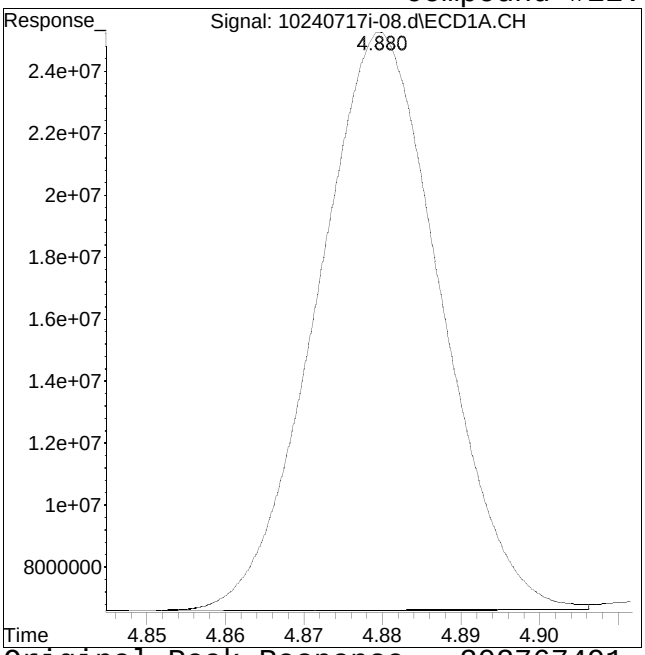
Manual Peak Response = 48359046 M4

M4 = Poor automated baseline construction.

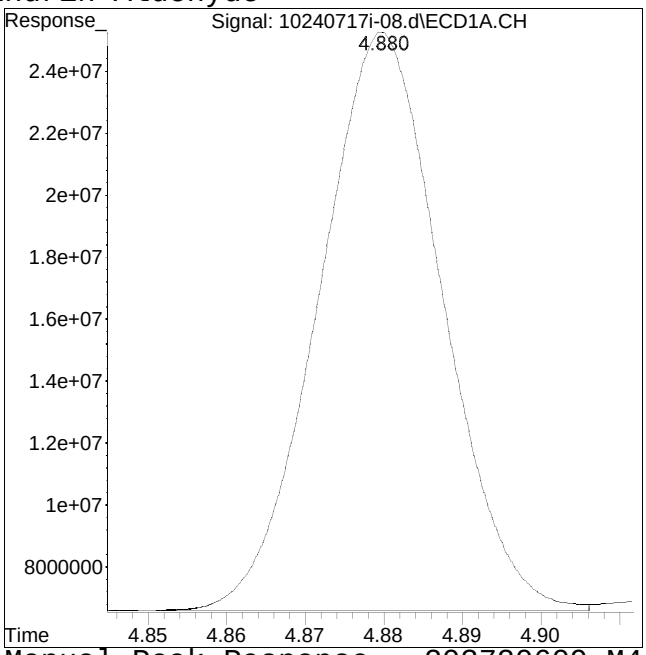
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #22: Endrin Aldehyde



Original Peak Response = 202767491



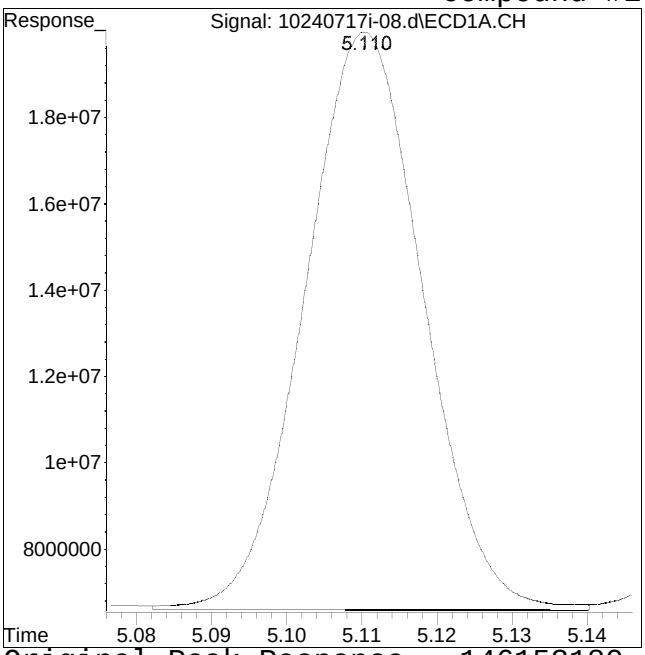
Manual Peak Response = 203720609 M4

M4 = Poor automated baseline construction.

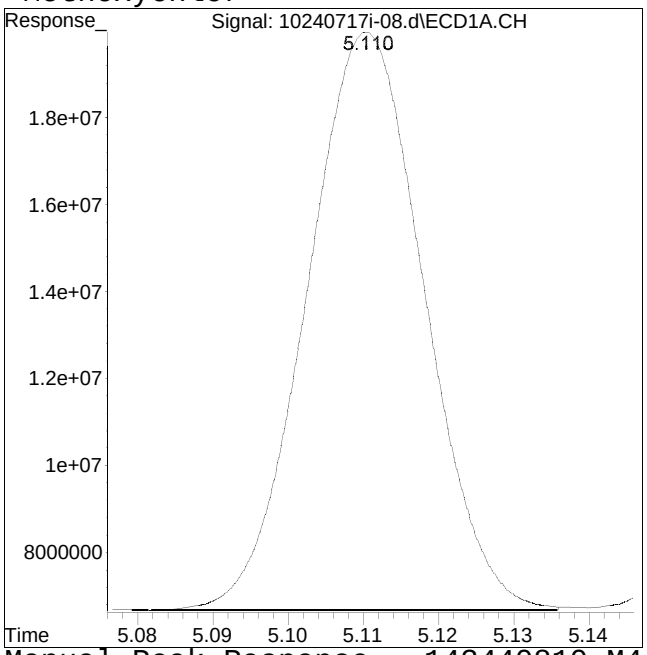
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #23: Methoxychlor



Original Peak Response = 146153180

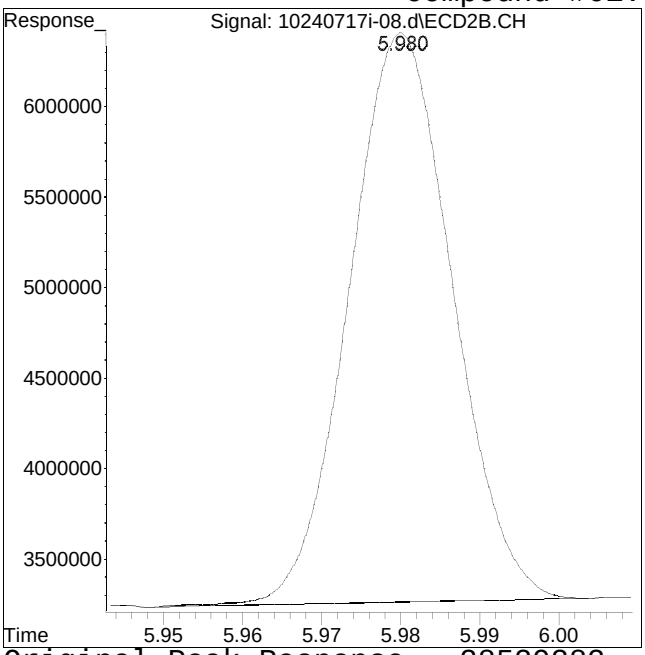


Manual Peak Response = 143440810 M4
M4 = Poor automated baseline construction.

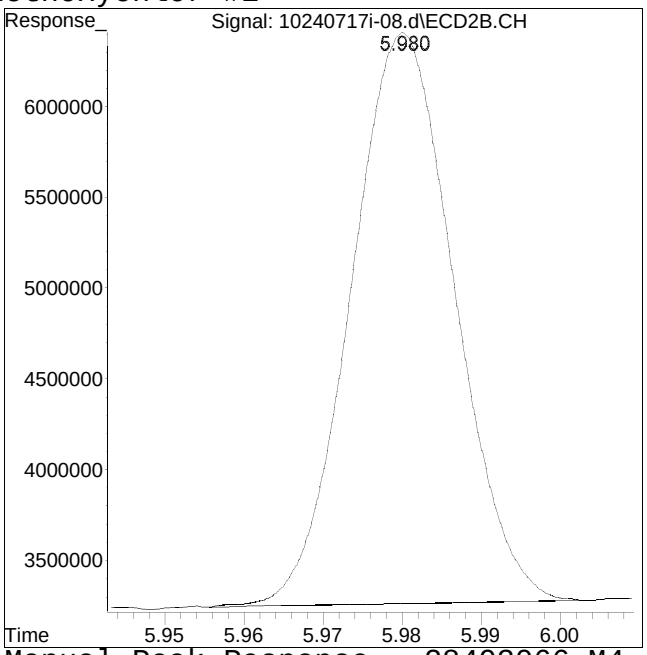
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #61: Methoxychlor #2



Original Peak Response = 28529282



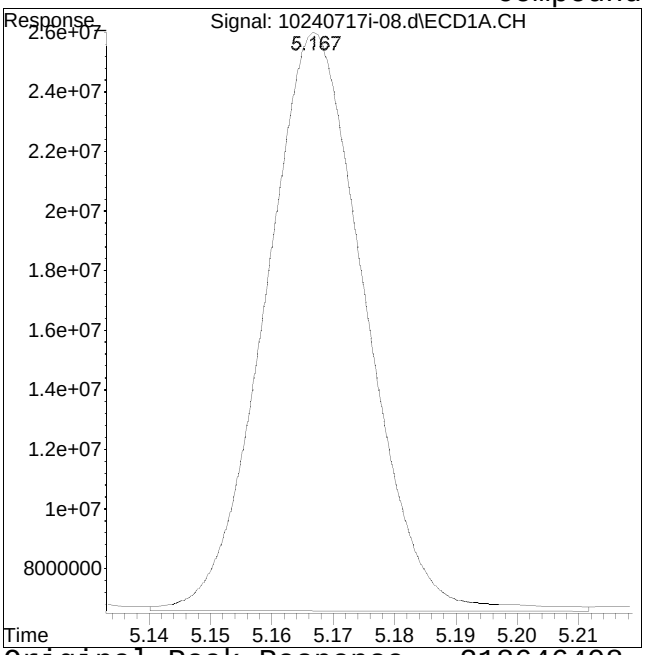
Manual Peak Response = 28493066 M4

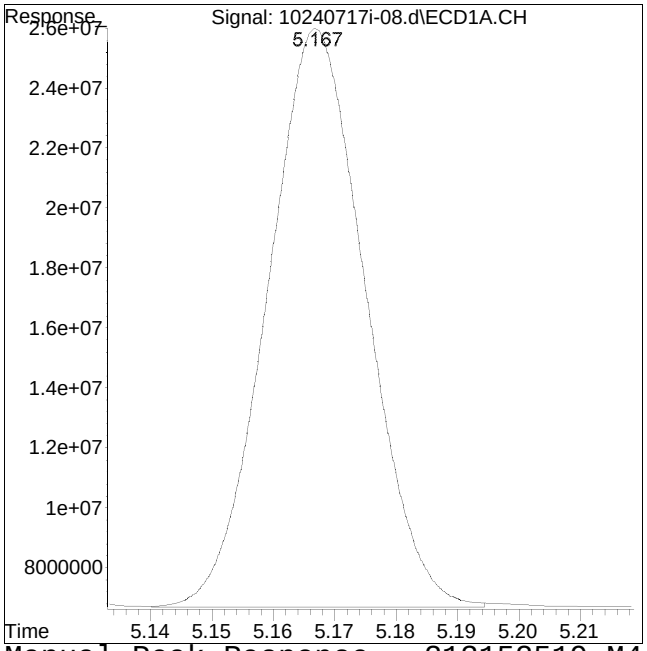
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #24: Mirex





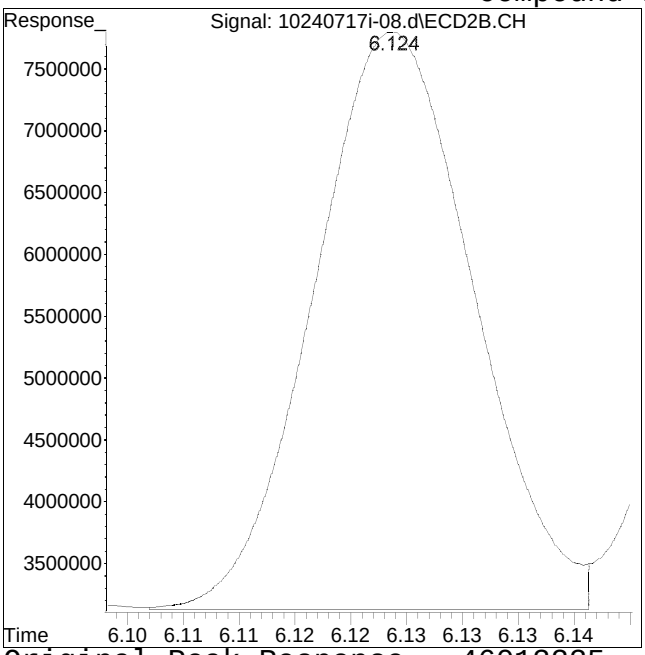
Original Peak Response = 218646408 Manual Peak Response = 213152519 M4
M4 = Poor automated baseline construction.

Manual Integration Report

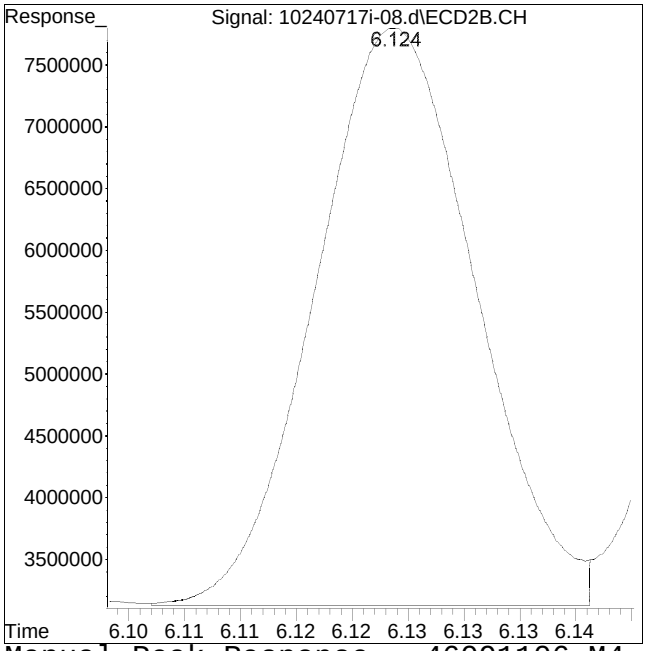
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-08.d
Date Inj'd : 7/17/2024 1:04 pm
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 11:42 am

Compound #62: Mirex #2



Original Peak Response = 46013235



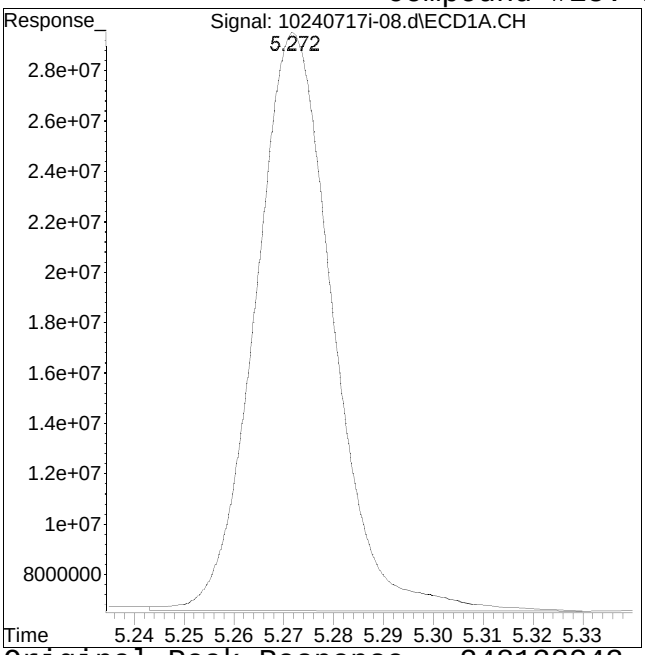
Manual Peak Response = 46091106 M4

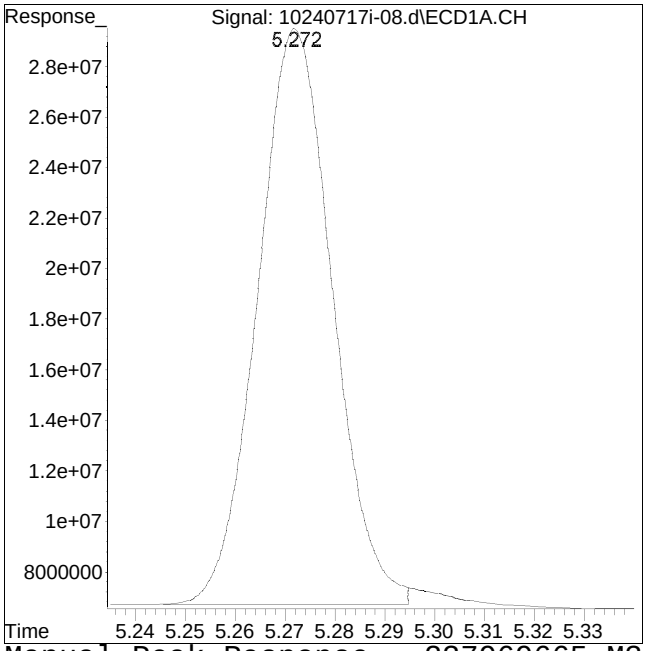
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #25: Endosulfan Sulfate



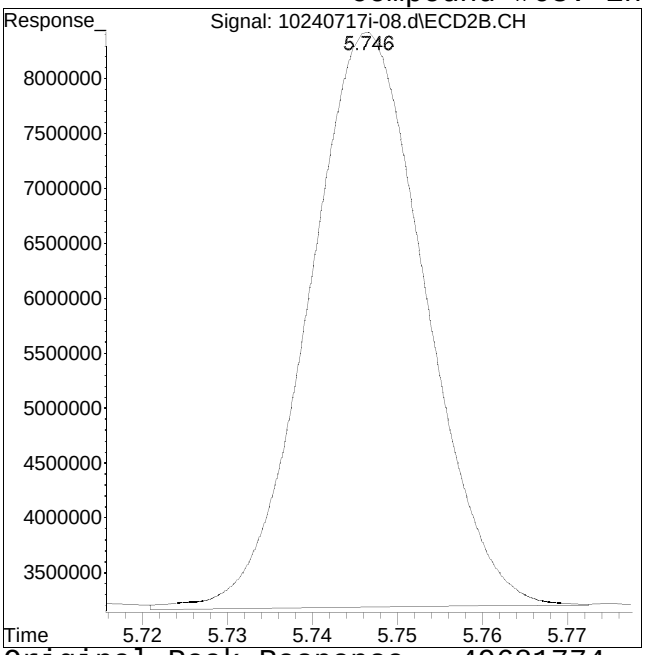


Original Peak Response = 248132343 Manual Peak Response = 237969665 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

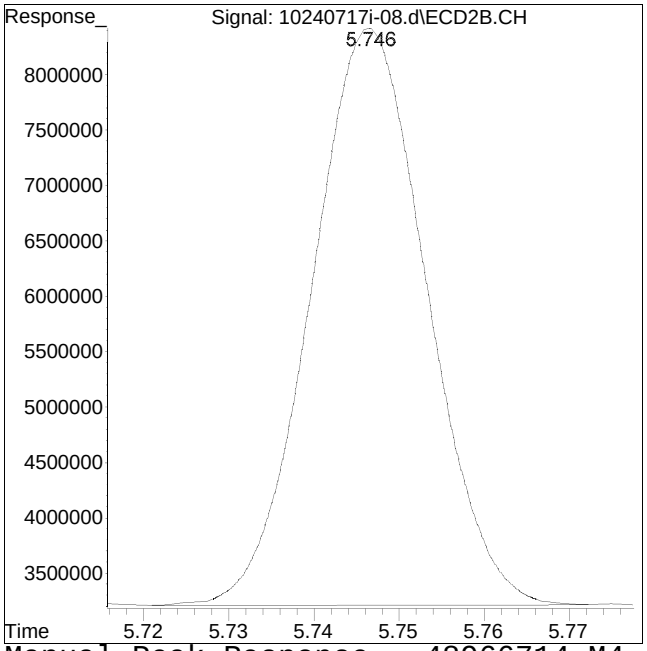
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 49681774

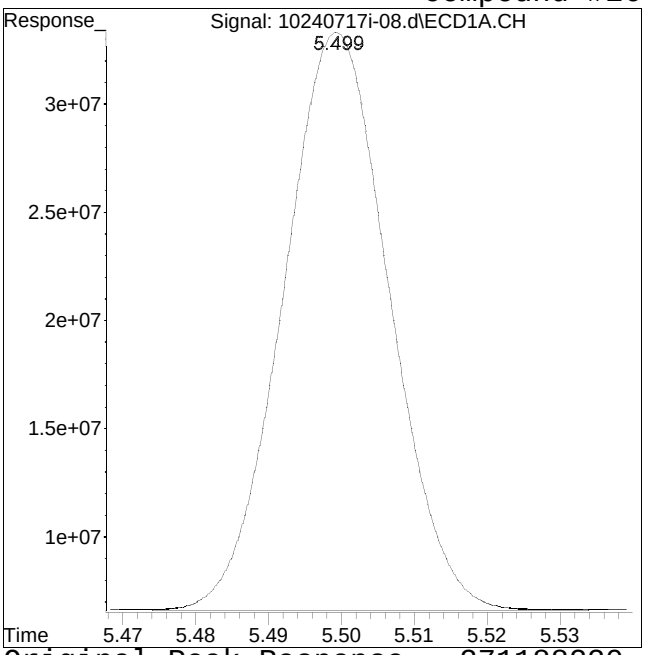


Manual Peak Response = 48966714 M4
M4 = Poor automated baseline construction.

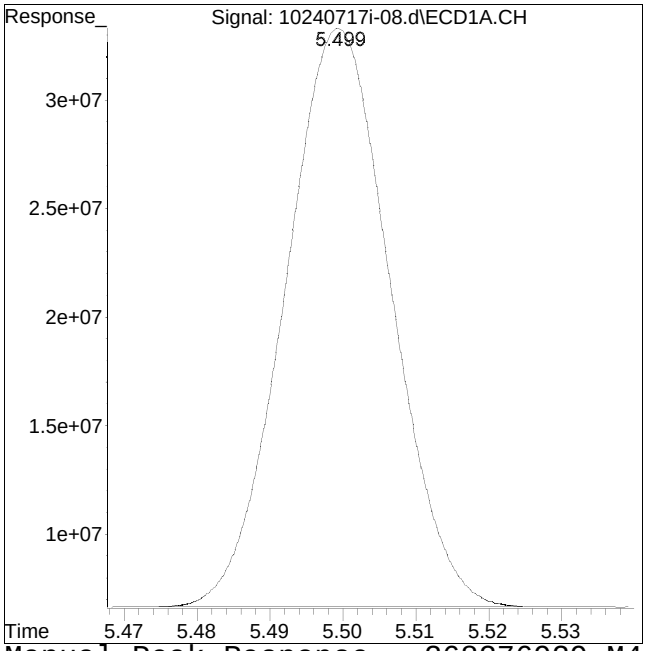
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #26: Endrin Ketone



Original Peak Response = 271188220



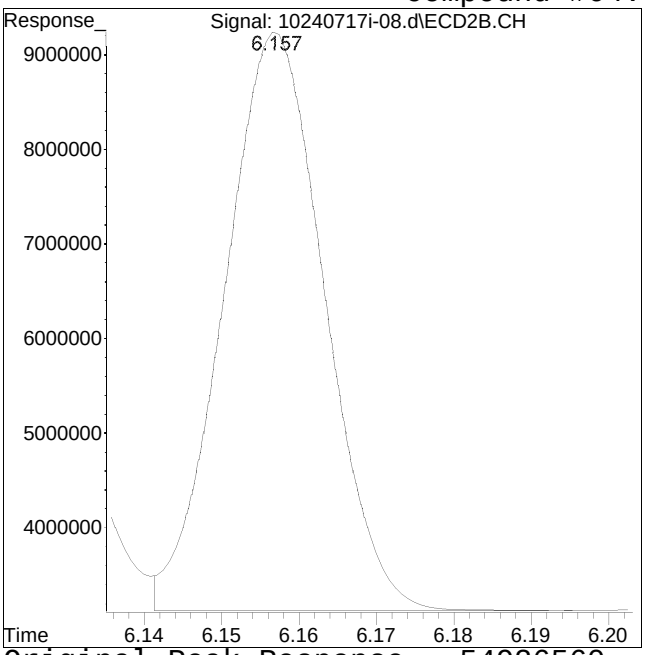
Manual Peak Response = 268276929 M4

M4 = Poor automated baseline construction.

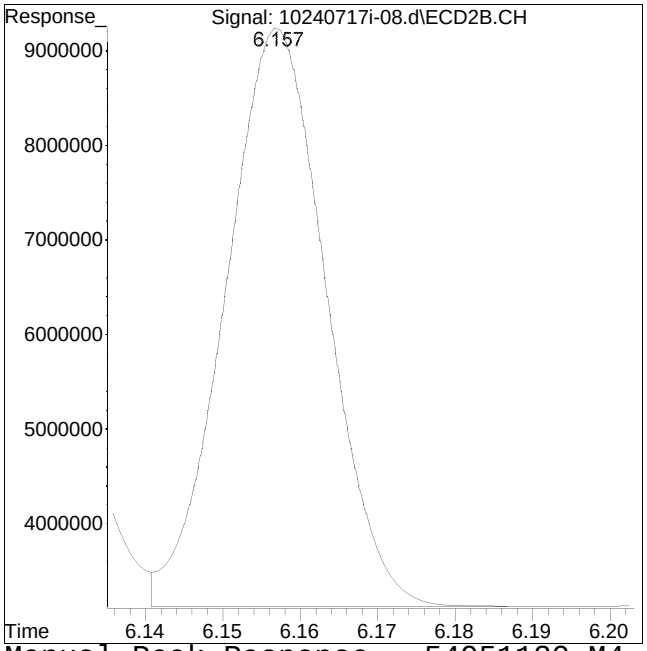
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #64: Endrin Ketone #2



Original Peak Response = 54926560



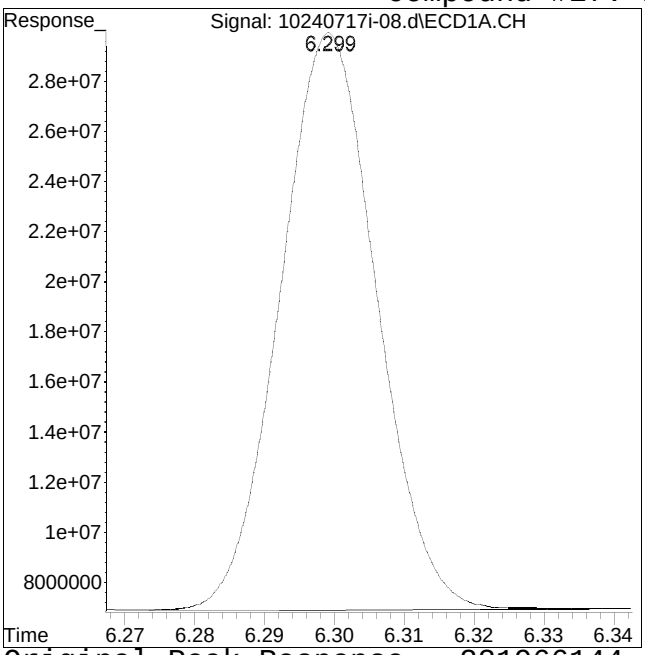
Manual Peak Response = 54951120 M4

M4 = Poor automated baseline construction.

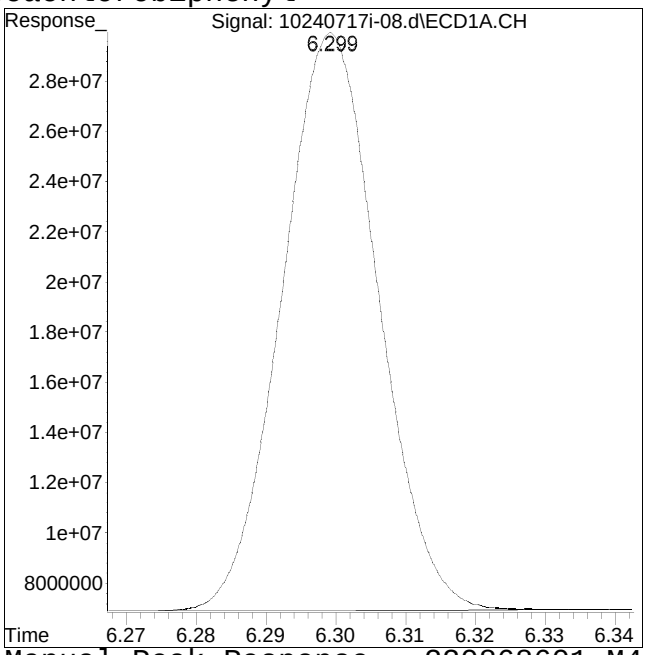
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 221966144

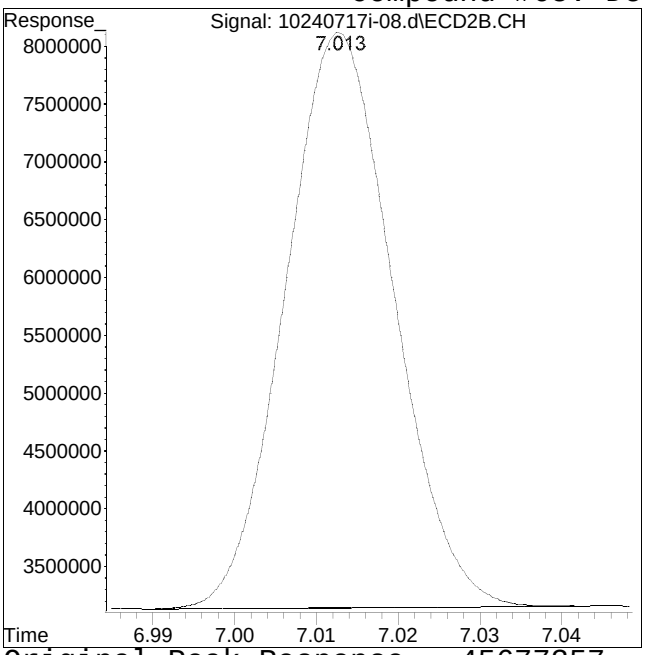


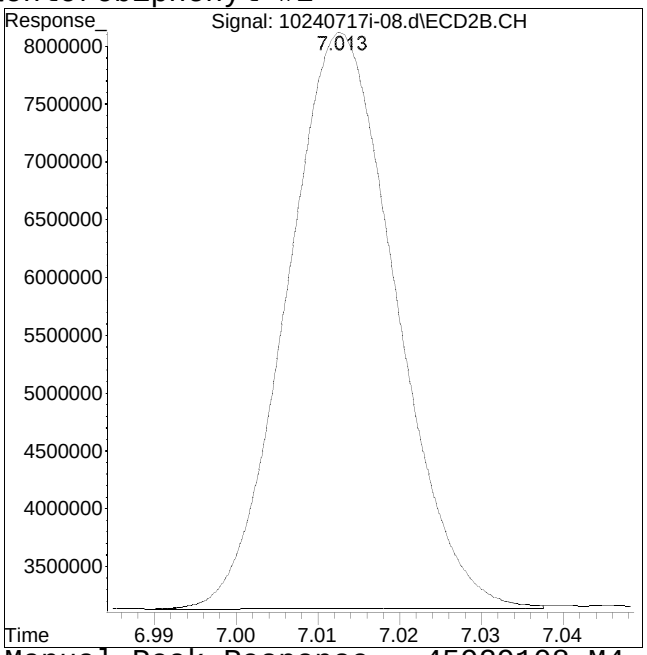
Manual Peak Response = 220868601 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-08.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:04 pm Instrument : Pest 10
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/18/2024 11:42 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 45677357 Manual Peak Response = 45929108 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:15 pm
Operator : PEST10:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:41:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.318	1.435	527.4E6	119.9E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.661	1.927	1209.8E6	258.1E6	46.376M4	48.341
		Spiked Amount 50.000	Range 30 - 150		Recovery =		92.75%	96.68%
27)	s	Decachlorobi	6.299	7.013	1156.3E6	232.7E6	45.631M4	46.970M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		91.26%	93.94%
		Target Compounds						
3)	t	Hexachlorobe	1.875	2.257	1265.0E6	278.0E6	45.664M4	46.670M4
4)	t	alpha-BHC	1.974	2.356	1882.6E6	388.4E6	50.061M4	51.680
5)	t	gamma-BHC (l	2.176	2.649	1700.5E6	353.9E6	47.999M3	49.935M4
6)	t	beta-BHC	2.232	2.714	681.5E6	153.5E6	44.394M4	45.589M4
7)	t	delta-BHC	2.361	2.988	1739.8E6	362.1E6	48.847M4	50.617M4
8)	t	Heptachlor	2.523	3.056	1629.7E6	343.5E6	48.610M4	48.913M4
9)	t	Aldrin	2.765	3.383	1562.2E6	323.9E6	48.900M4	50.157M4
10)	t	Alachlor	2.887	3.260	217.9E6	52790197	45.207M4	46.010M4
11)	t	Chlorpyrifos	2.978	3.622	677.4E6	163.2E6	44.594M4	44.605

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:15 pm
Operator : PEST10:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:41:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.312	4.012	1444.2E6	310.8E6	47.807	48.417M4
13)	t	gamma-Chlord	3.434	4.234	1317.8E6	275.6E6	47.297M4	48.105M4
14)	t	alpha-Chlord	3.569	4.398	1489.8E6	314.8E6	46.629M4	48.344M4
15)	t	4,4'-DDE	3.665	4.587	1527.8E6	313.6E6	49.319M4	50.785M4
16)	t	Endosulfan I	3.707	4.459	1370.9E6	293.6E6	47.782	48.588
17)	t	Dieldrin	3.967	4.743	1457.8E6	302.7E6	48.668	50.089M4
18)	t	Endrin	4.222	5.034	1507.6E6	313.7E6	48.874	50.815M4
19)	t	4,4'-DDD	4.330	5.150	1222.7E6	249.9E6	48.463	50.674
20)	t	Endosulfan I	4.462	5.229	1307.3E6	277.3E6	47.700M4	49.222M4
21)	t	4,4'-DDT	4.623	5.423	1375.6E6	276.1E6	48.682	50.700M4
22)	t	Endrin Aldeh	4.879	5.521	1084.5E6	231.5E6	47.814M4	49.379M4
23)	t	Methoxychlor	5.110	5.980	719.7E6	148.5E6	45.990M4	48.629M4
24)	t	Mirex	5.167	6.124	1069.0E6	226.6E6	44.484M4	45.784M4
25)	t	Endosulfan S	5.272	5.747	1256.4E6	260.9E6	47.540M3	48.054M4
26)	t	Endrin Keton	5.499	6.157	1436.6E6	295.6E6	48.343M4	49.905M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:15 pm
Operator : PEST10:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:41:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

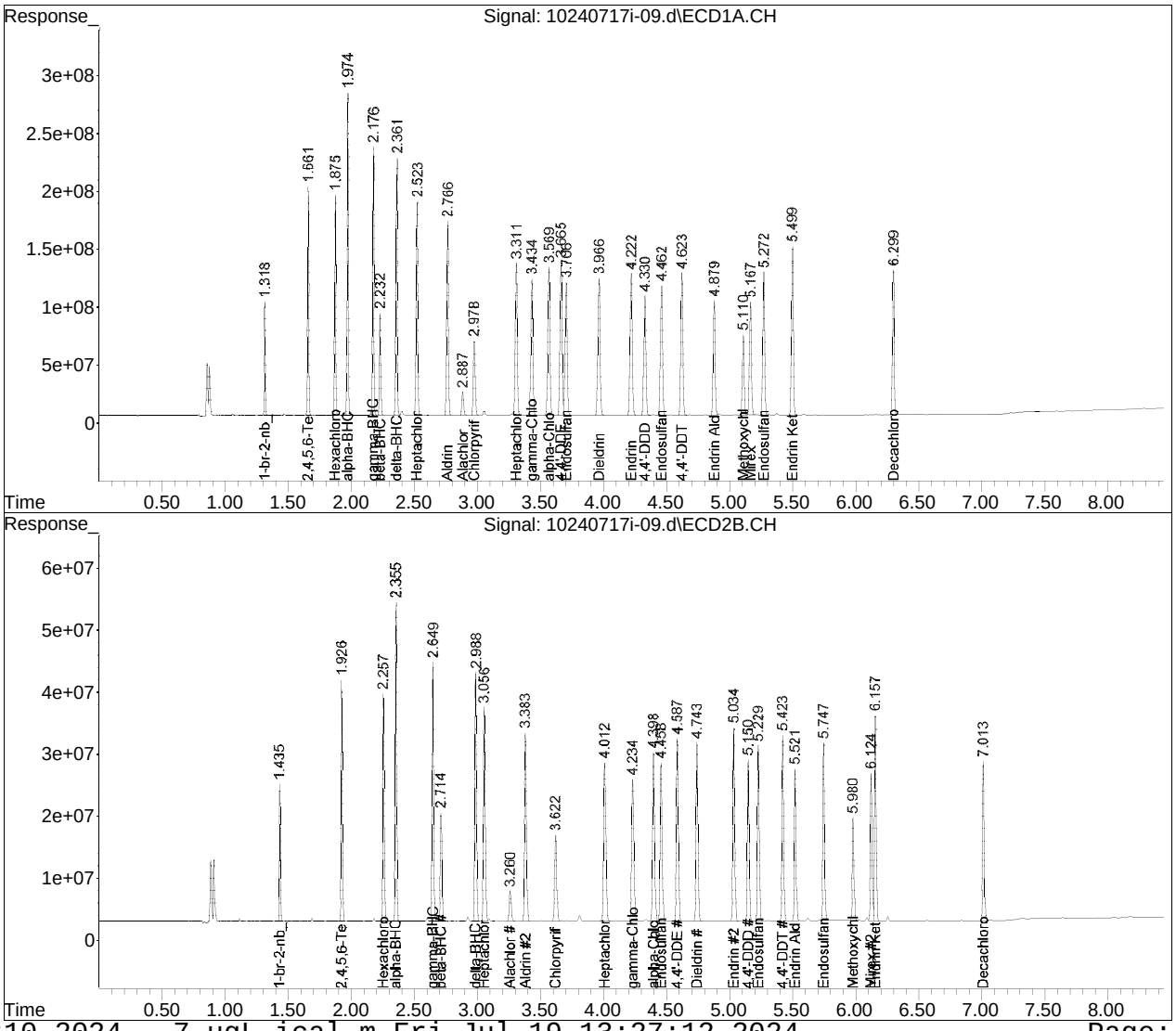
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:15 pm
Operator : PEST10:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:41:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:41:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

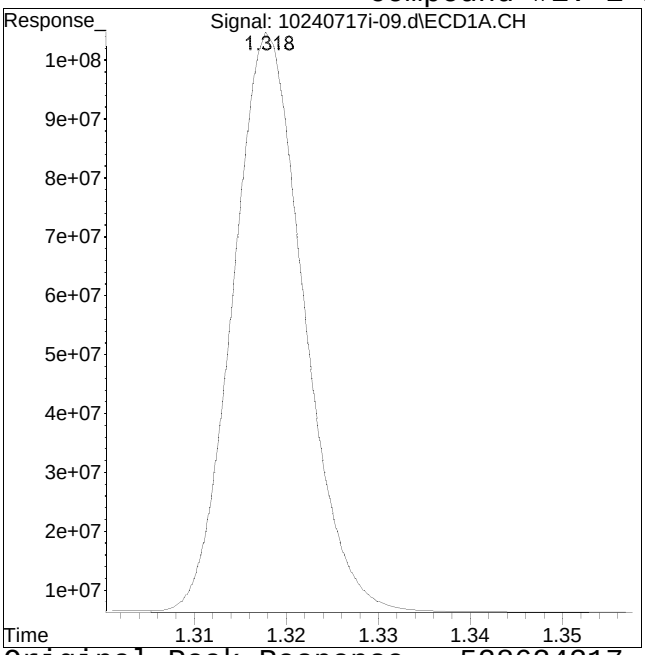
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



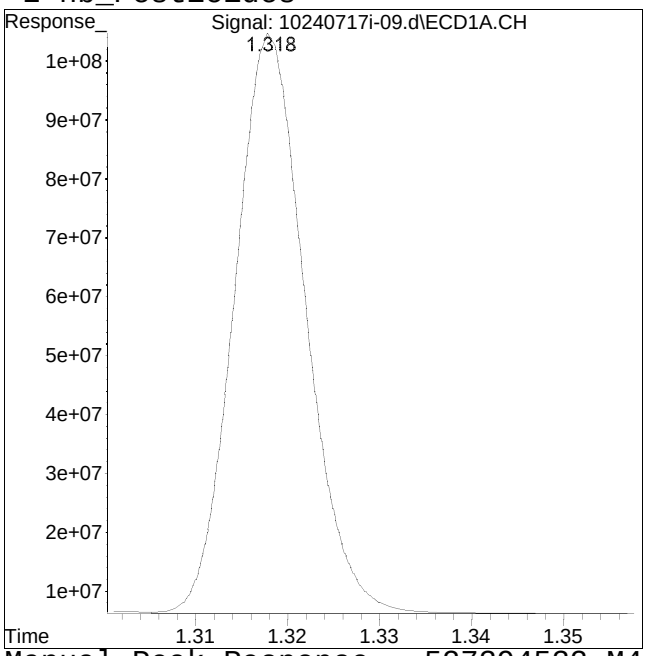
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 528624317



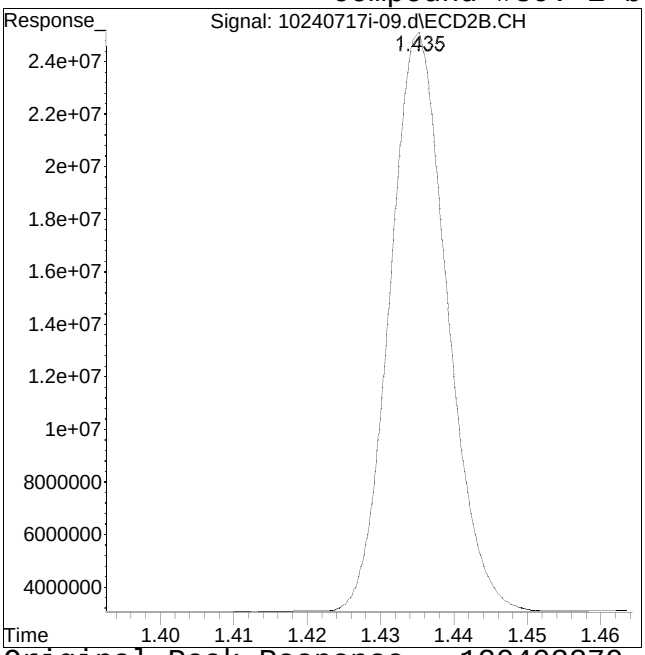
Manual Peak Response = 527394532 M4

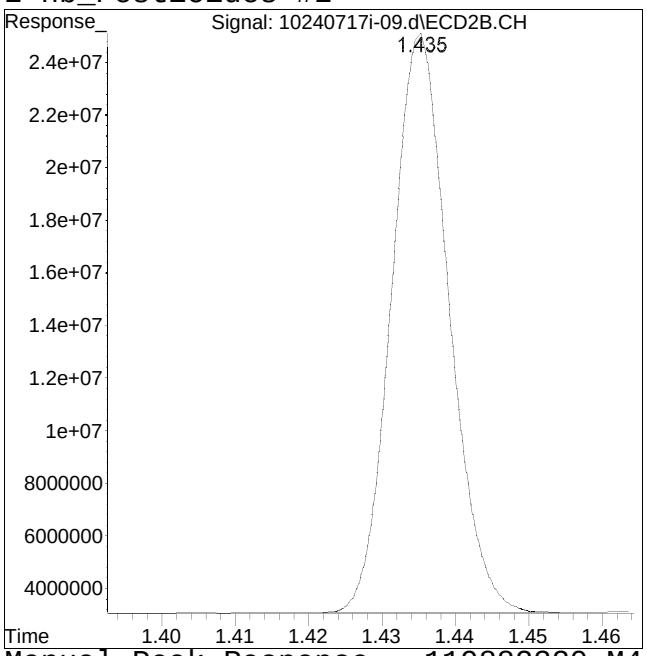
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #39: 1-br-2-nb_Pesticides #2



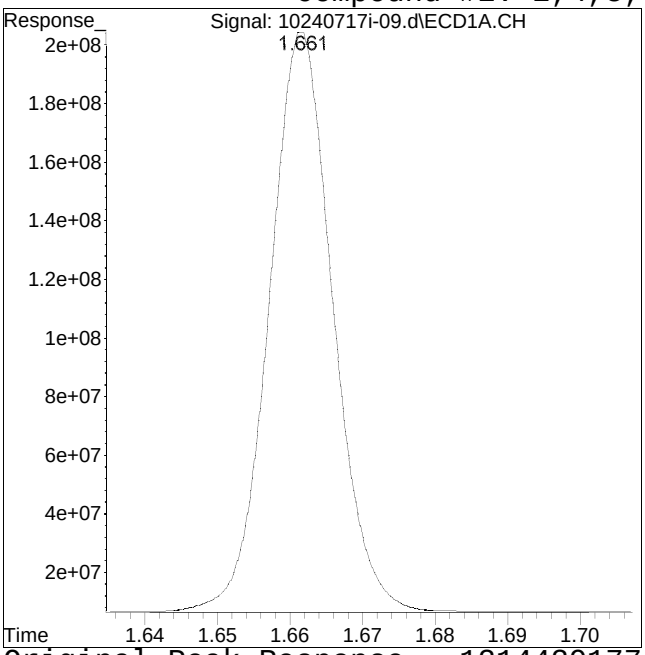


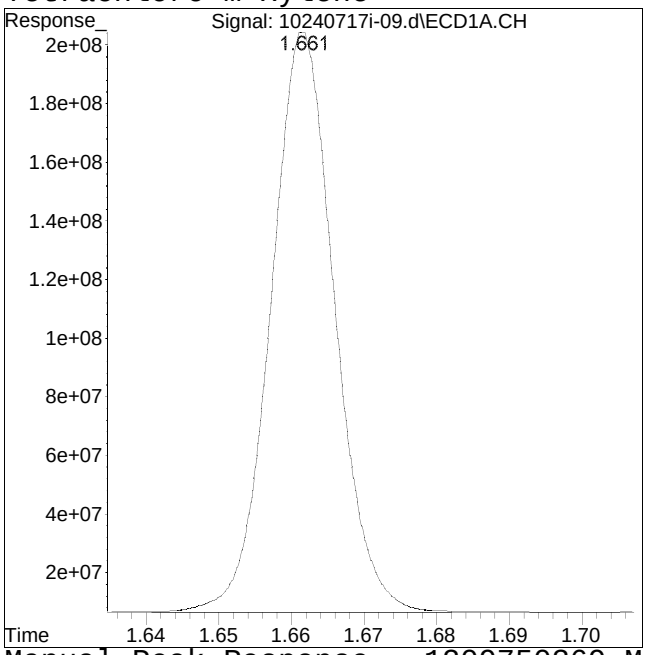
Original Peak Response = 120403379 Manual Peak Response = 119882320 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



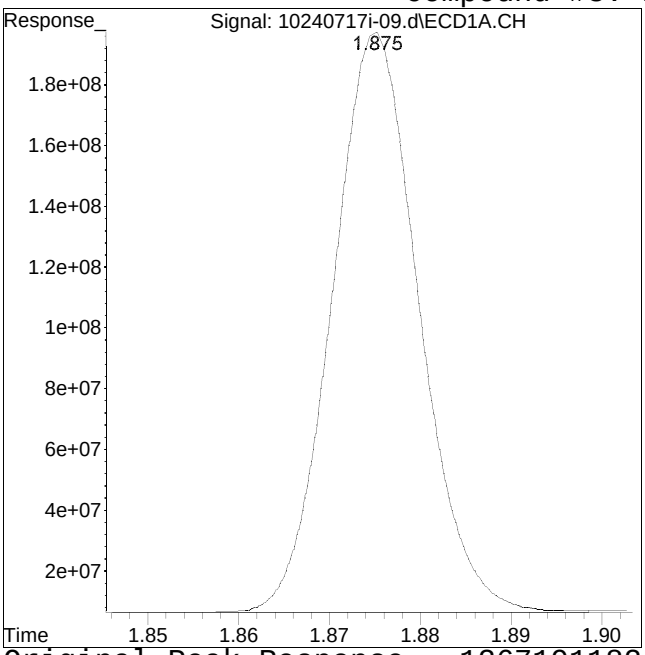


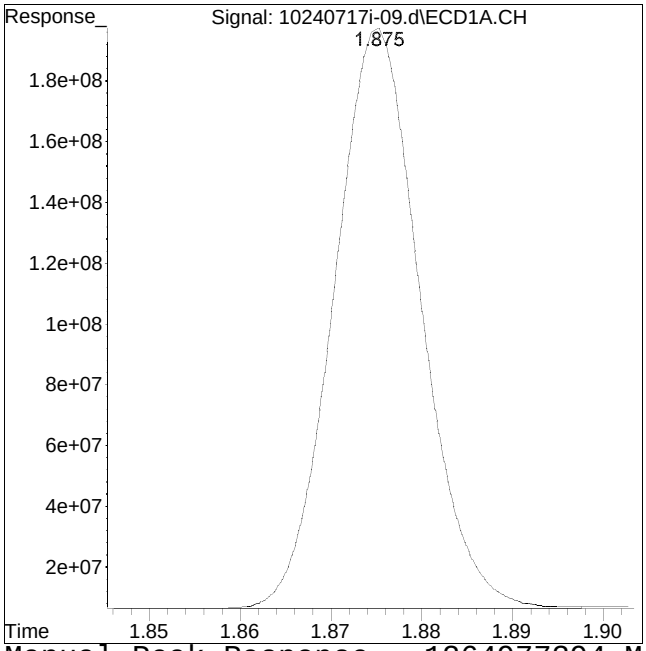
Original Peak Response = 1214429177 Manual Peak Response = 1209750369 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #3: Hexachlorobenzene



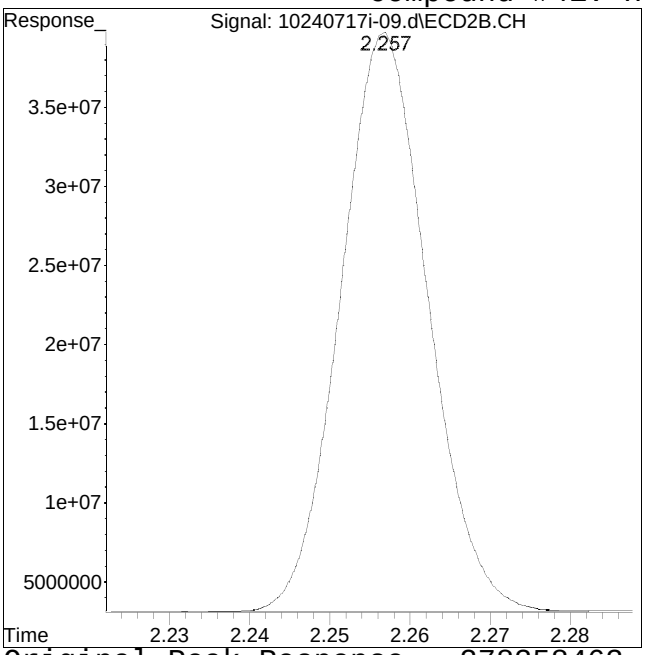


Original Peak Response = 1267191182 Manual Peak Response = 1264977394 M4
M4 = Poor automated baseline construction.

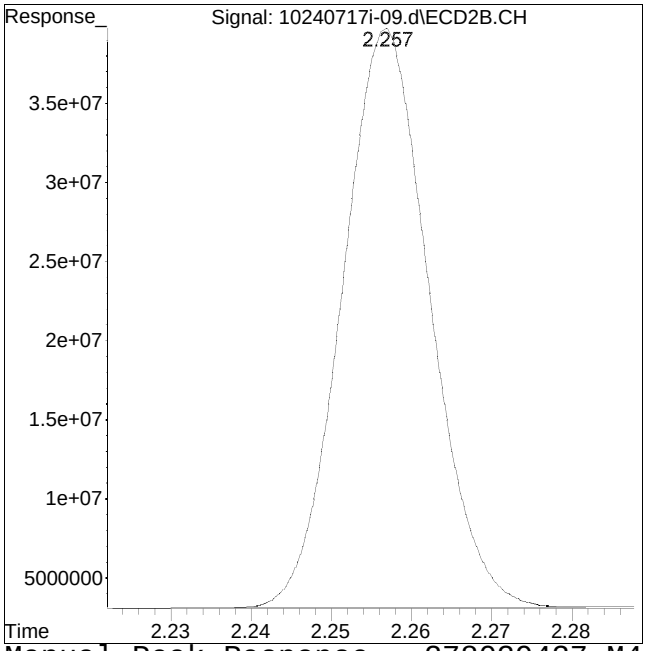
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 278358463

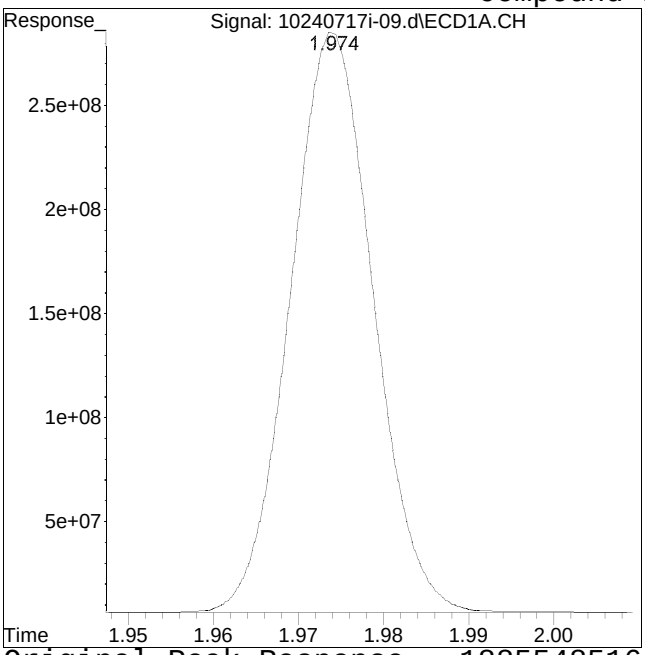


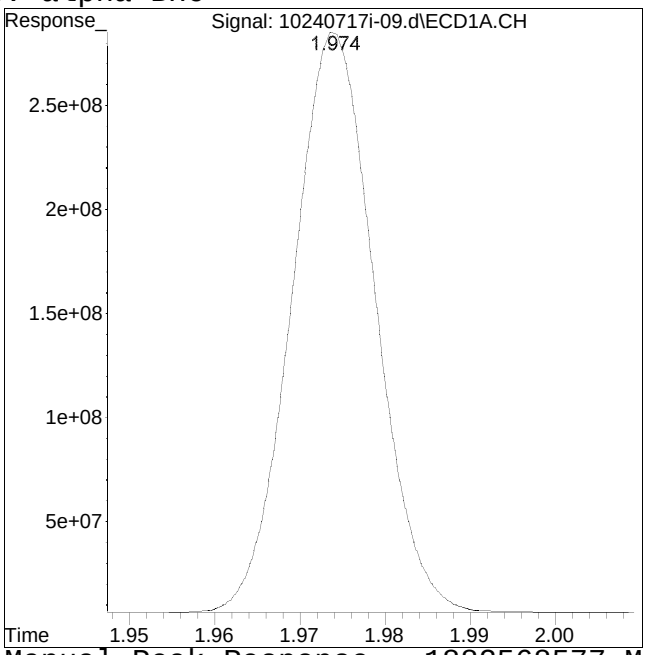
Manual Peak Response = 278039437 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #4: alpha-BHC



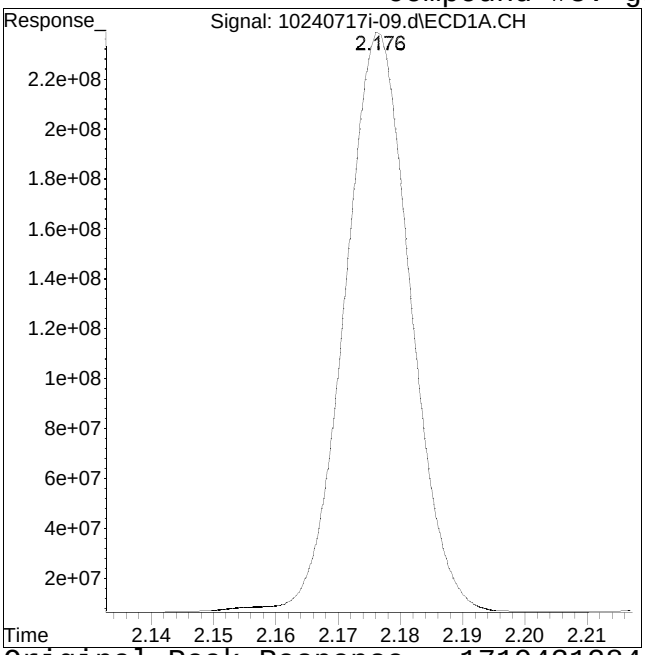


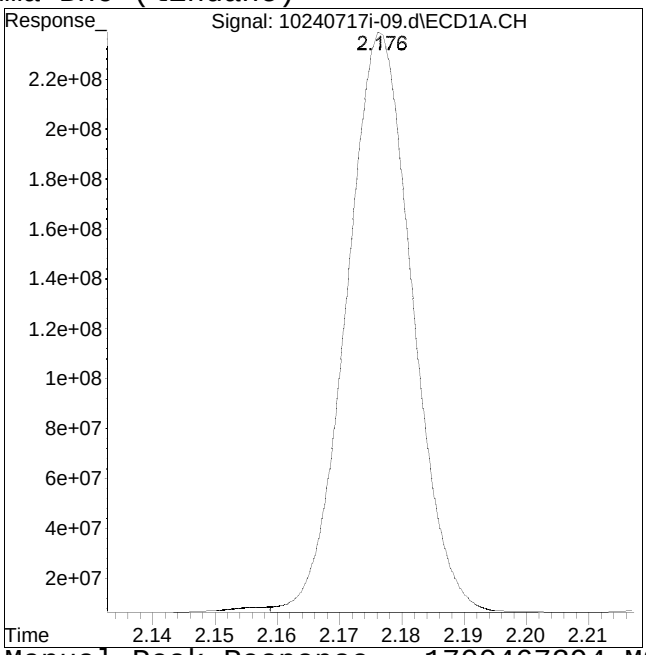
Original Peak Response = 1885548516 Manual Peak Response = 1882568577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #5: gamma-BHC (lindane)



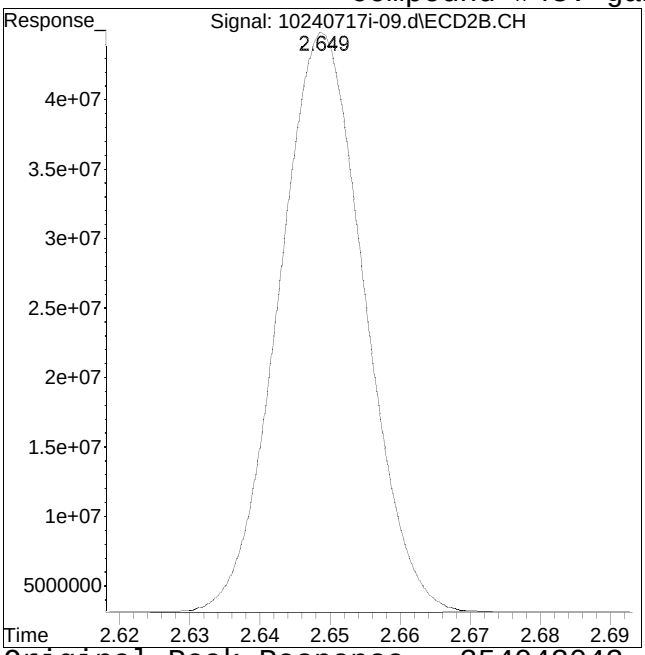


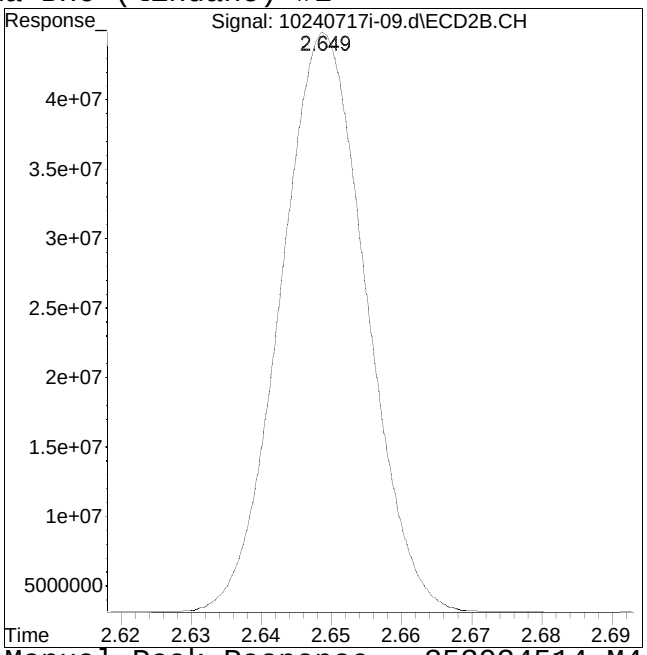
Original Peak Response = 1719431284 Manual Peak Response = 1700467394 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #43: gamma-BHC (lindane) #2



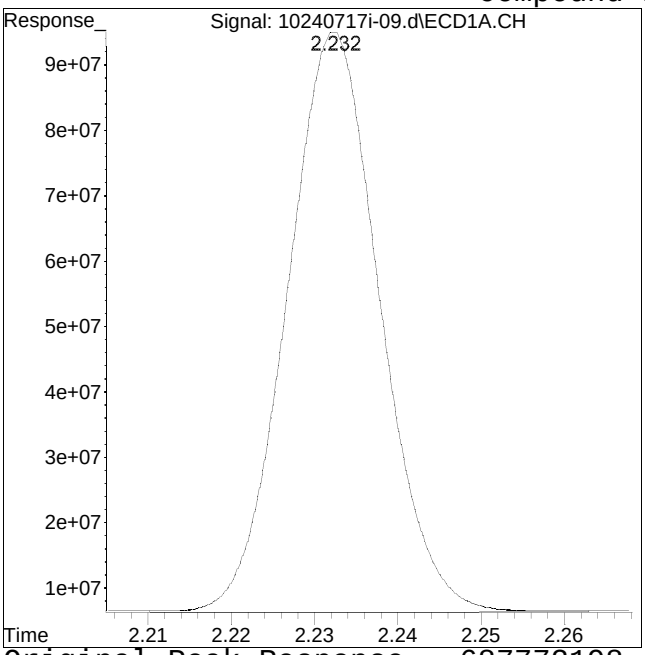


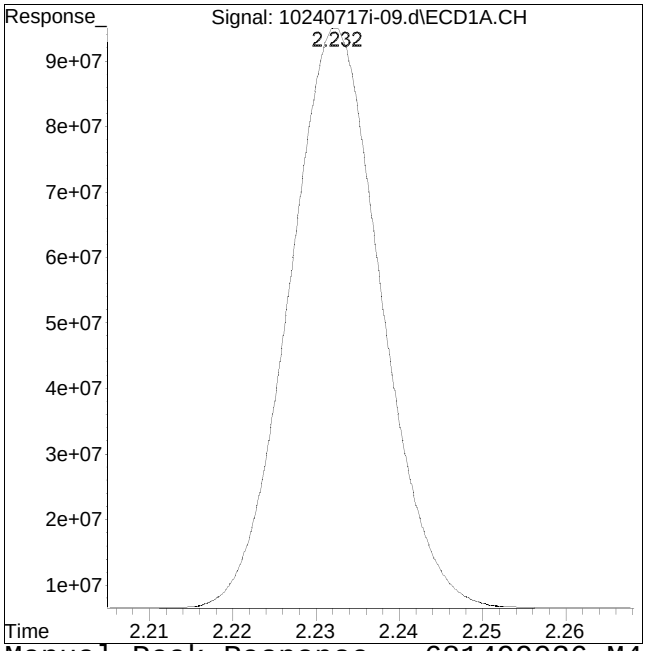
Original Peak Response = 354043043 Manual Peak Response = 353934514 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #6: beta-BHC



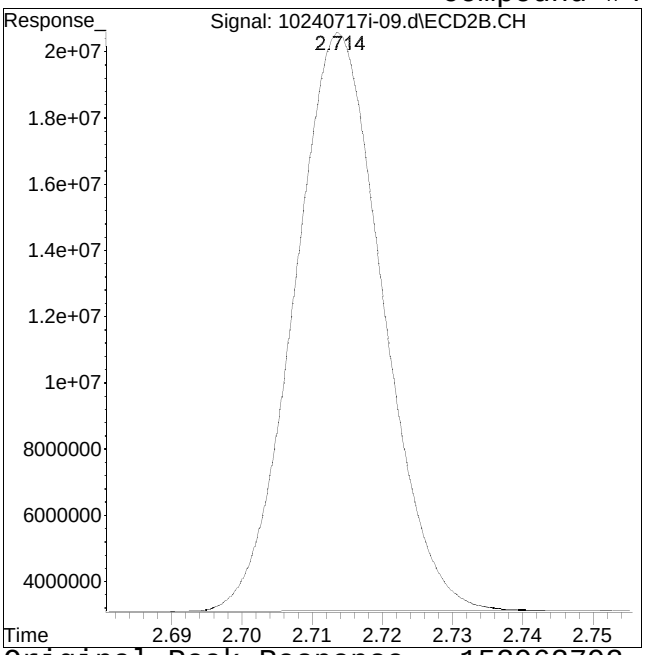


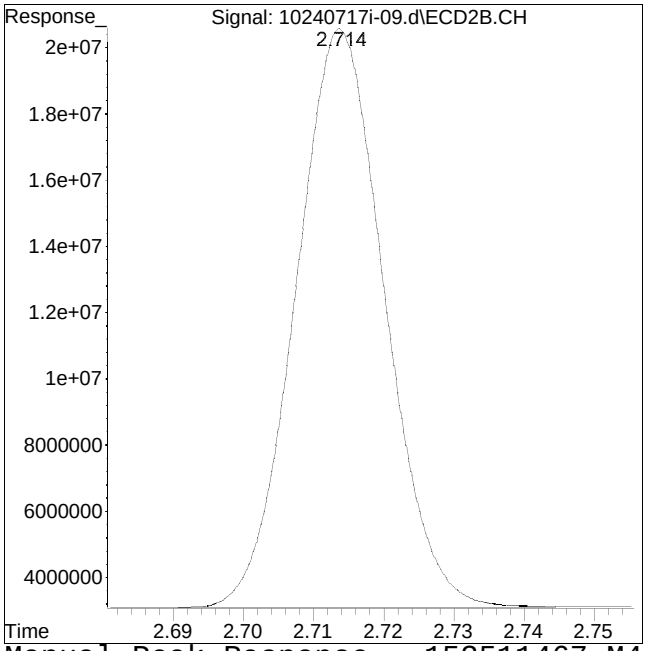
Original Peak Response = 687772198 Manual Peak Response = 681499036 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #44: beta-BHC #2



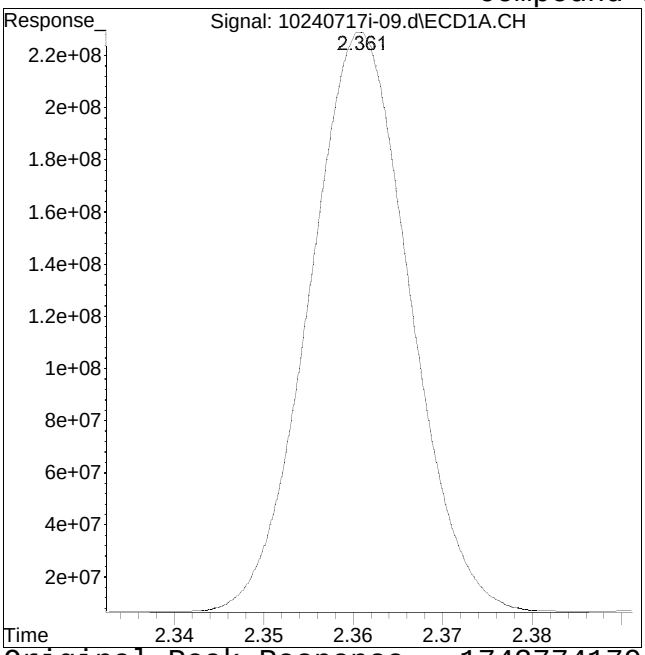


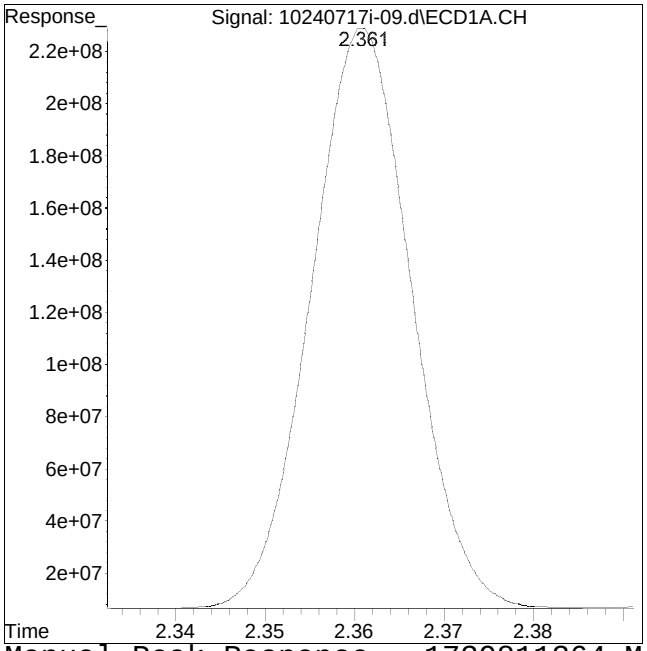
Original Peak Response = 152962792 Manual Peak Response = 153511467 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #7: delta-BHC



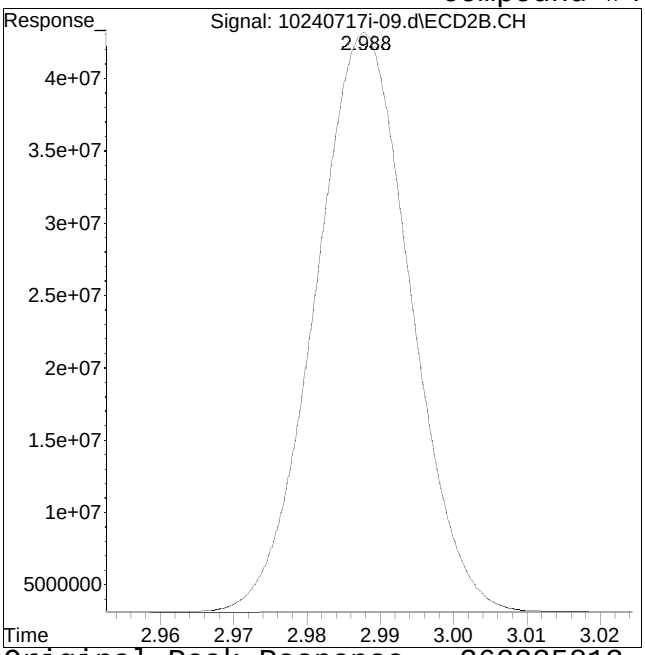


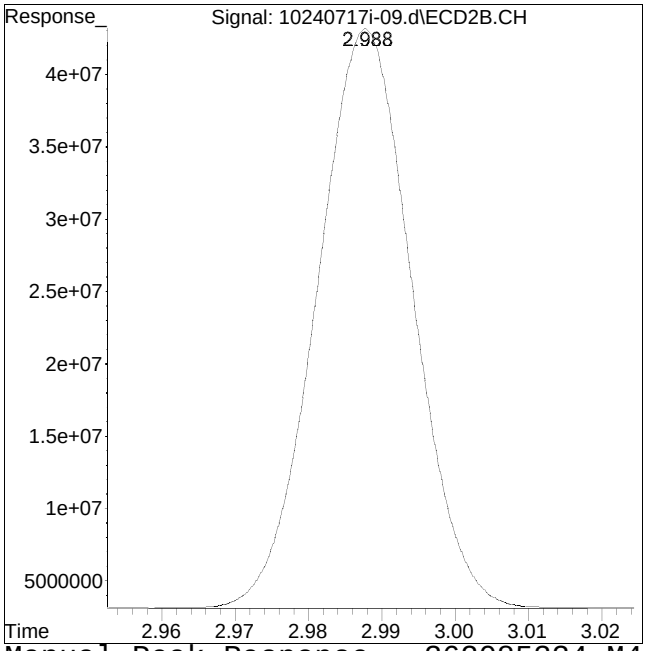
Original Peak Response = 1743774179 Manual Peak Response = 1739811364 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #45: delta-BHC #2



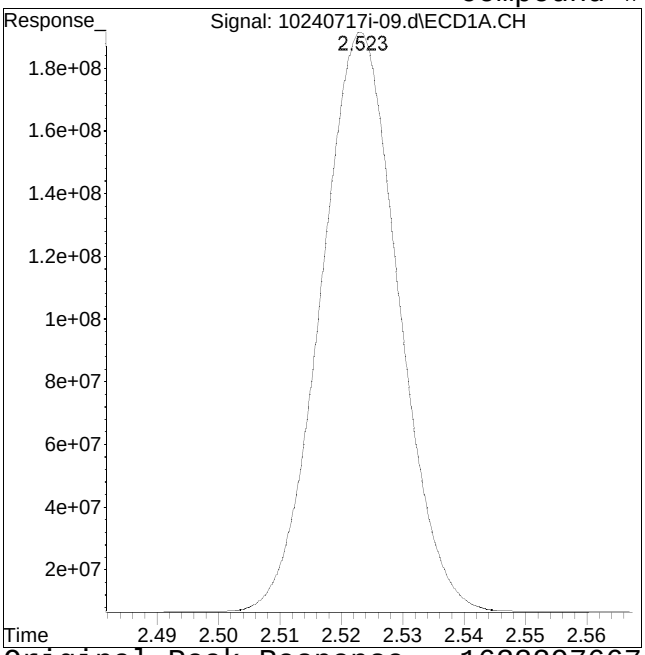


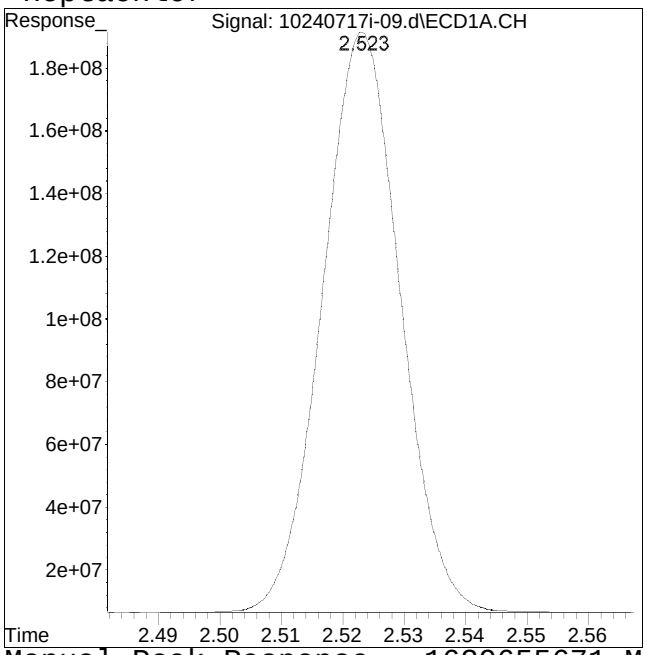
Original Peak Response = 362335813 Manual Peak Response = 362085334 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #8: Heptachlor



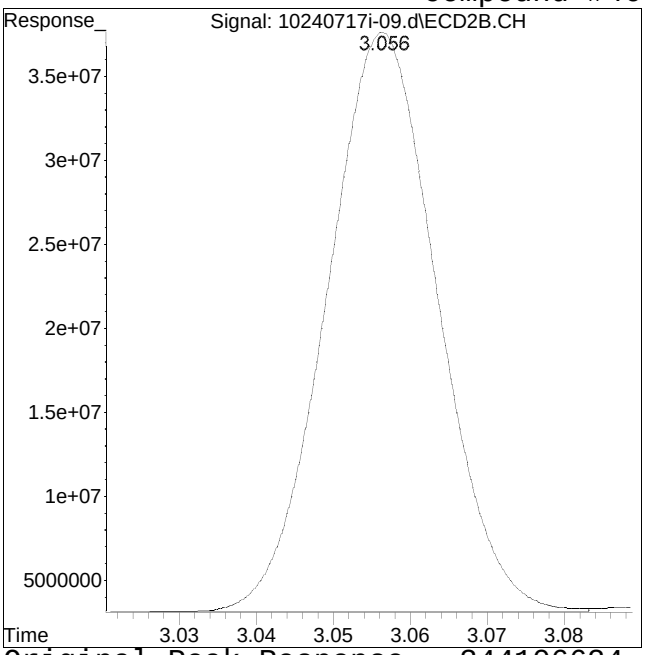


Original Peak Response = 1633297667 Manual Peak Response = 1629655671 M4
M4 = Poor automated baseline construction.

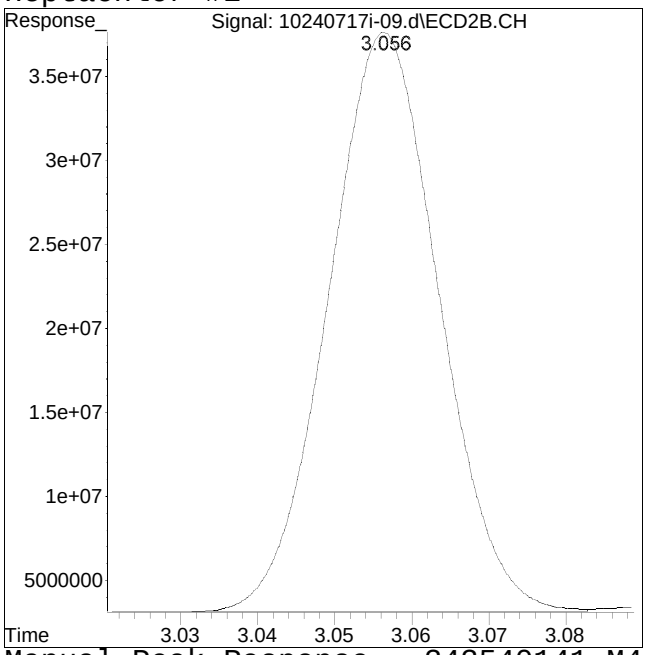
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #46: Heptachlor #2



Original Peak Response = 344106624

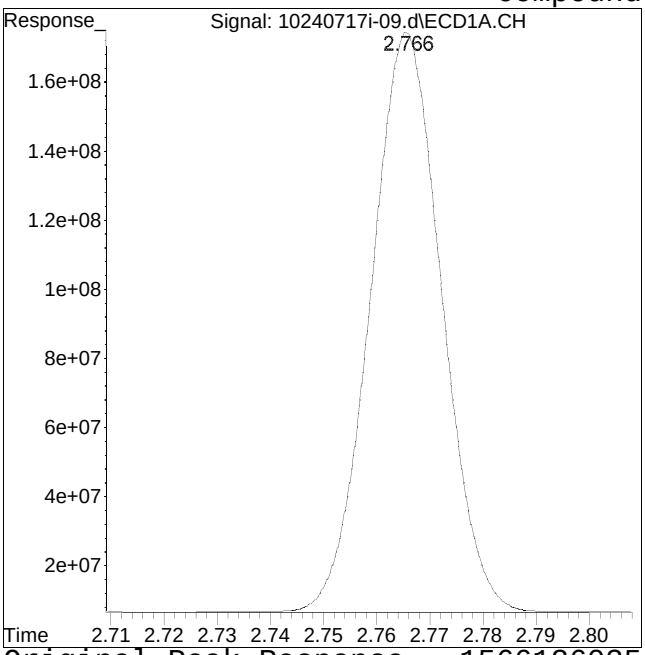


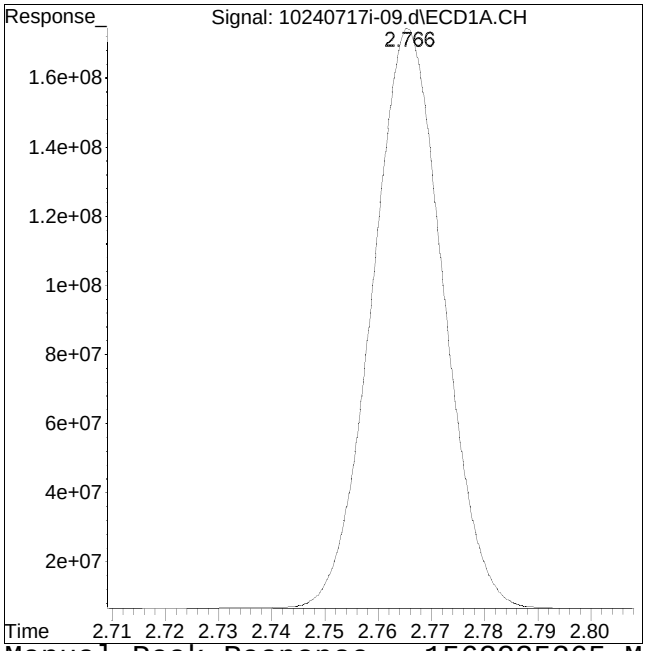
Manual Peak Response = 343540141 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #9: Aldrin



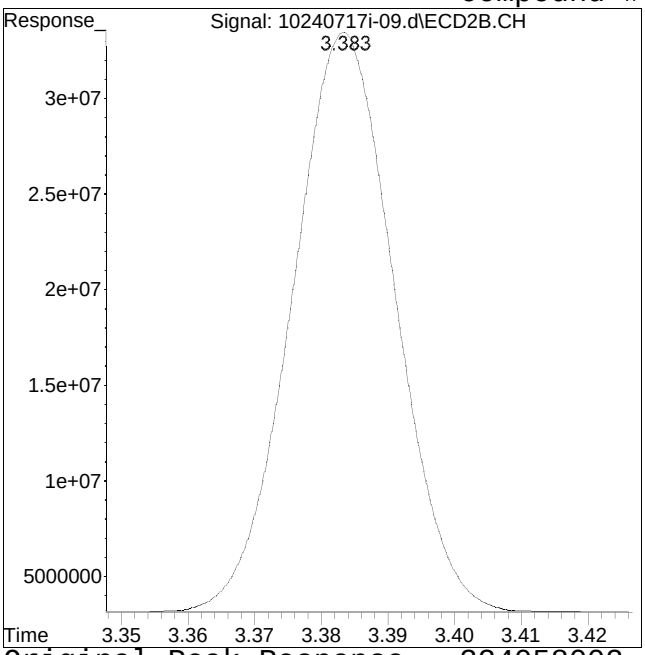


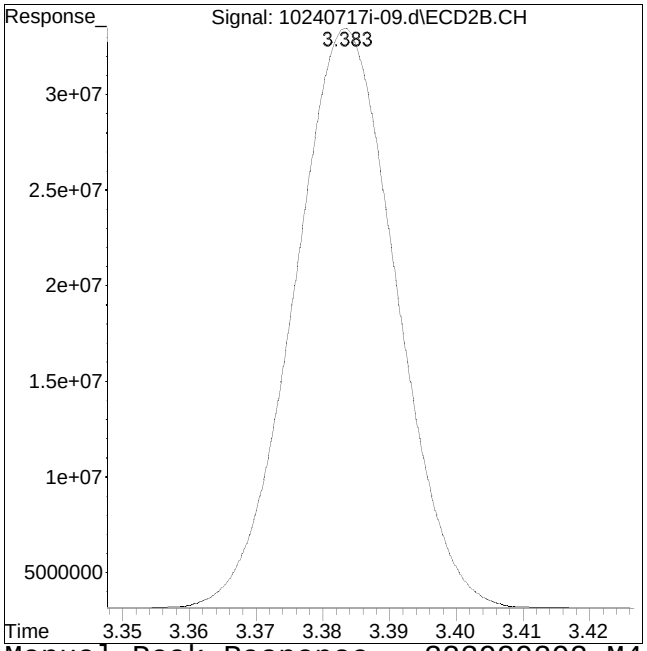
Original Peak Response = 1566126035 Manual Peak Response = 1562235265 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #47: Aldrin #2



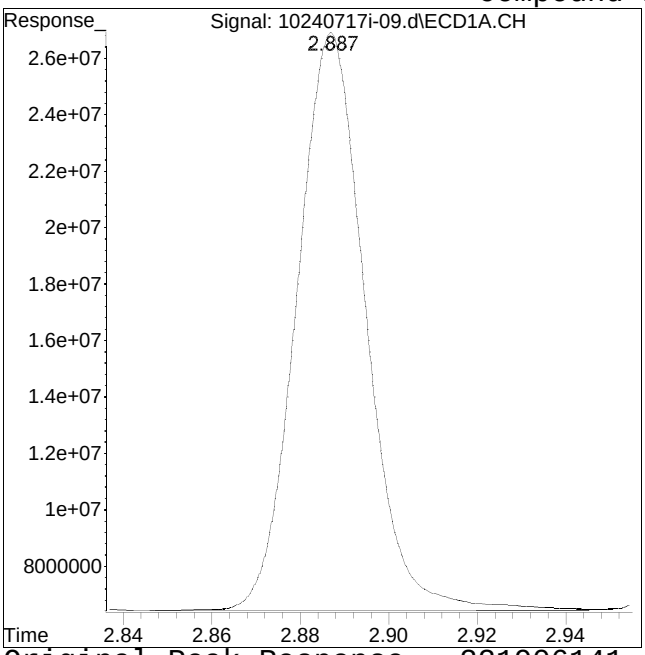


Original Peak Response = 324058002 Manual Peak Response = 323929292 M4
M4 = Poor automated baseline construction.

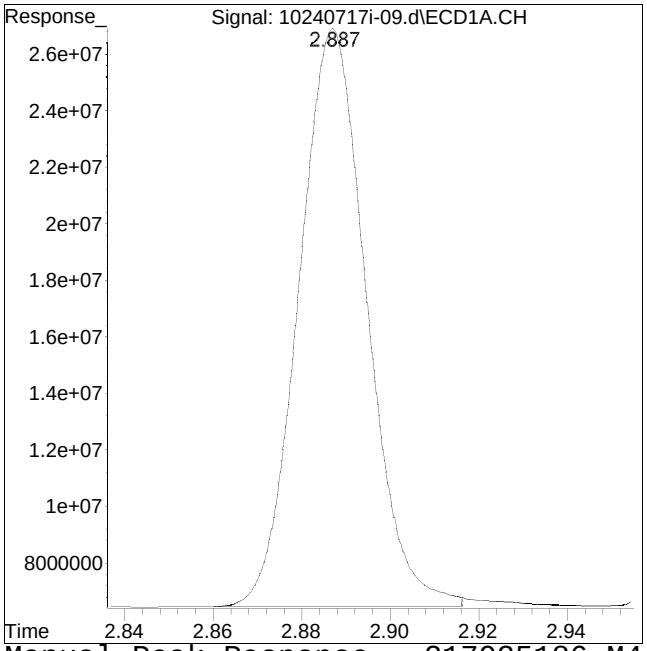
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #10: Alachlor



Original Peak Response = 221906141



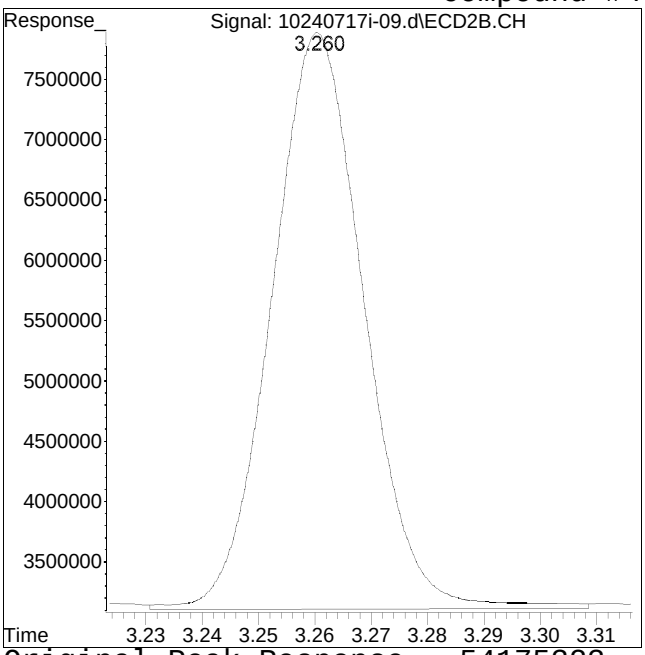
Manual Peak Response = 217925186 M4

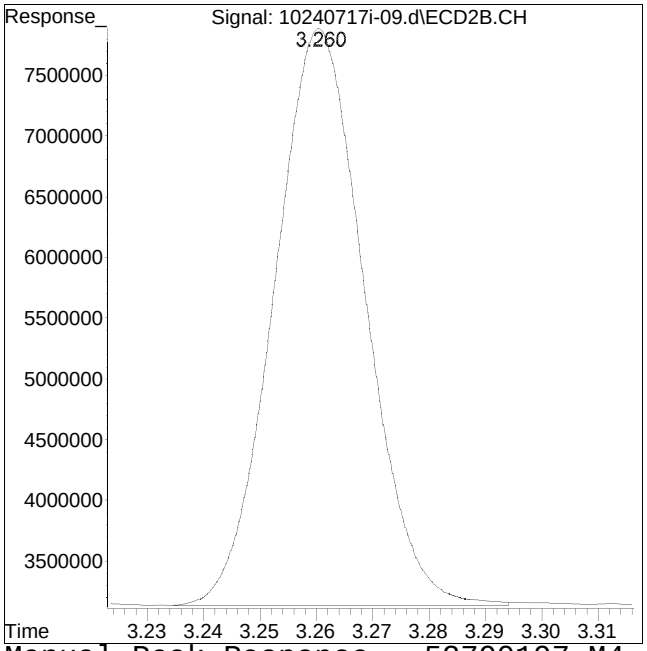
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #48: Alachlor #2



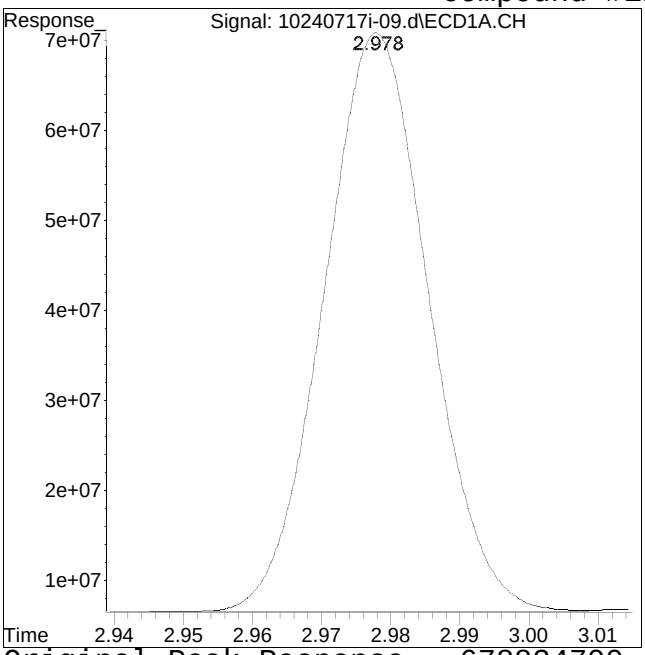


Original Peak Response = 54175323 Manual Peak Response = 52790197 M4
M4 = Poor automated baseline construction.

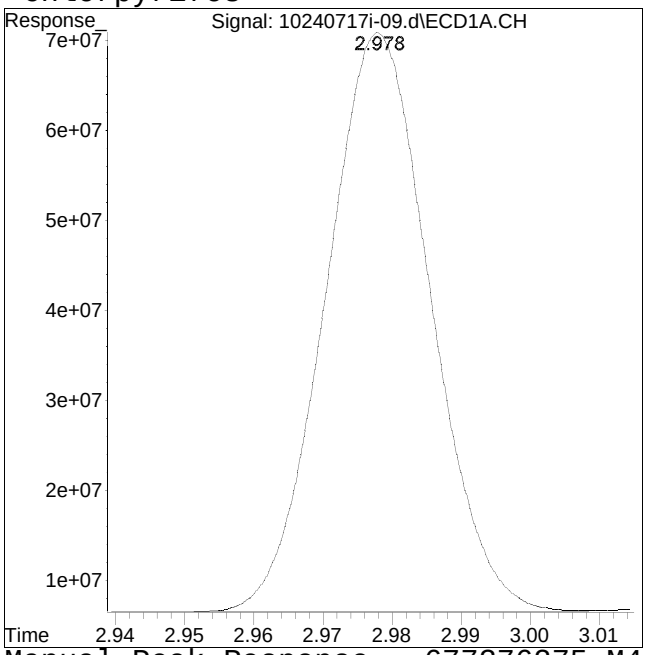
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #11: Chlorpyrifos



Original Peak Response = 678824700

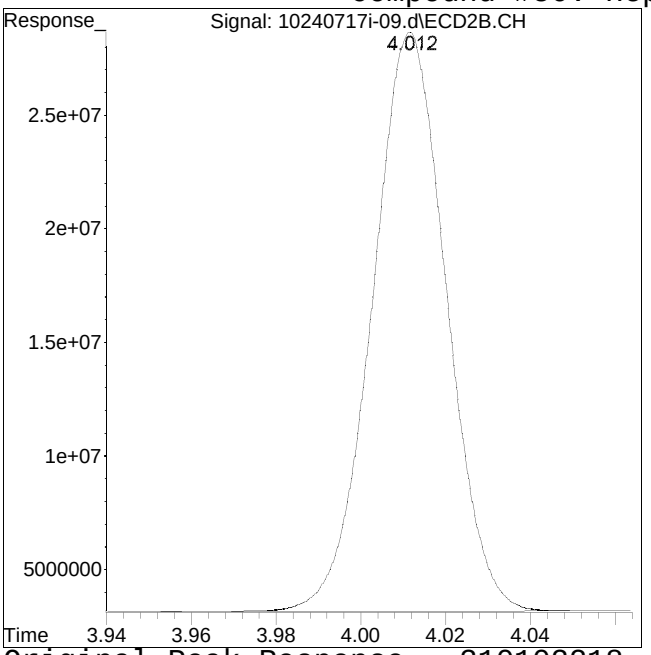


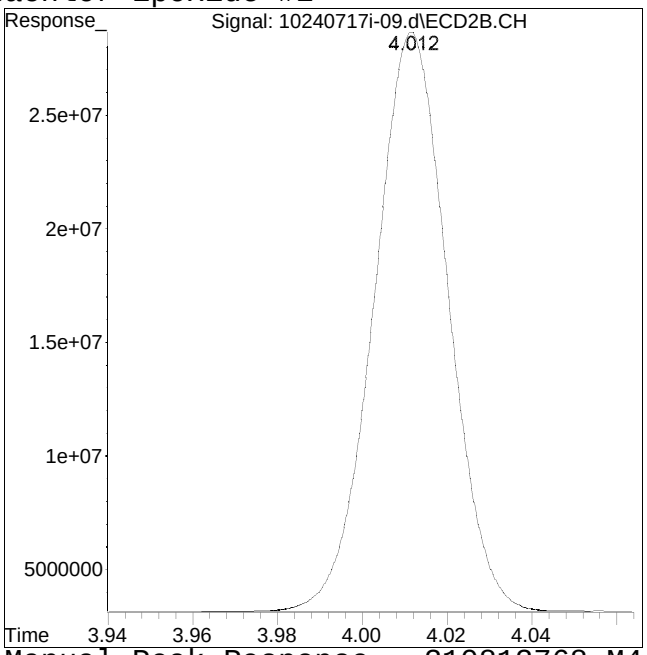
Manual Peak Response = 677376275 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #50: Heptachlor Epoxide #2



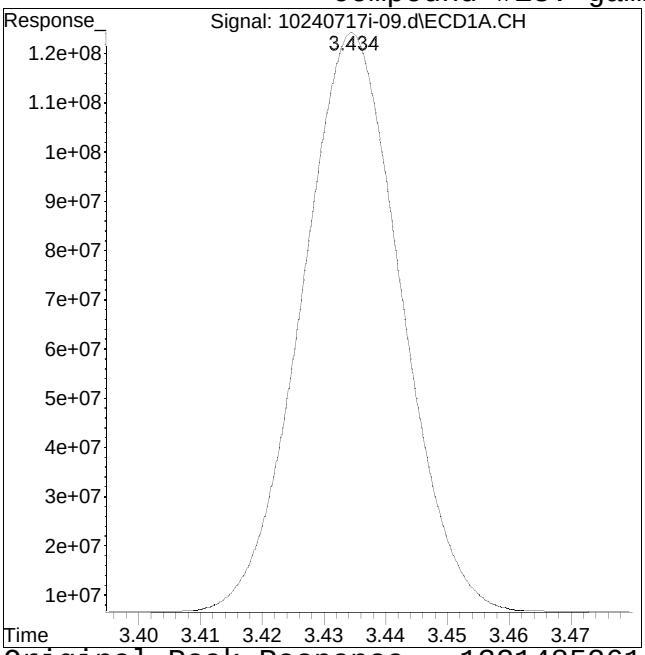


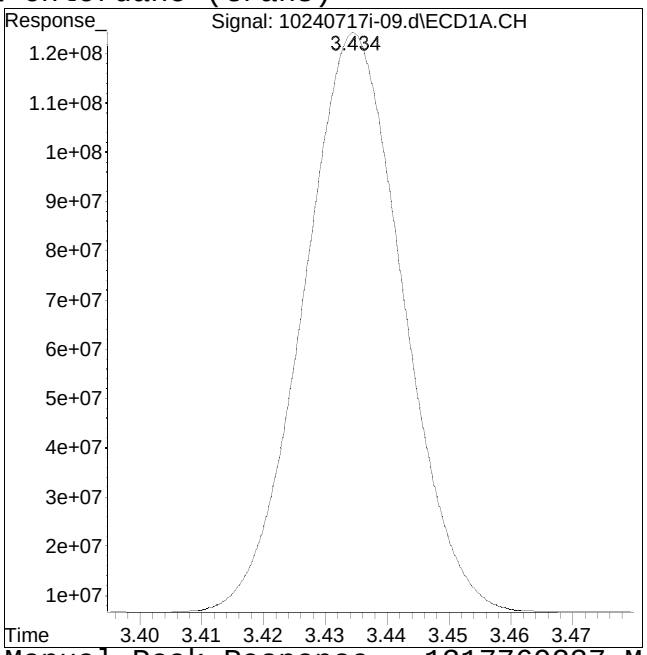
Original Peak Response = 310102218 Manual Peak Response = 310813768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #13: gamma-Chlordane (trans)



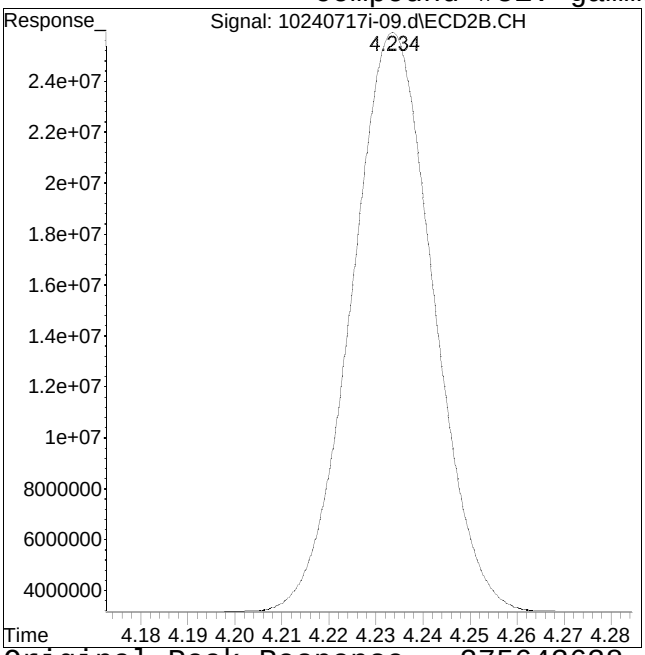


Original Peak Response = 1321485261 Manual Peak Response = 1317769237 M4
M4 = Poor automated baseline construction.

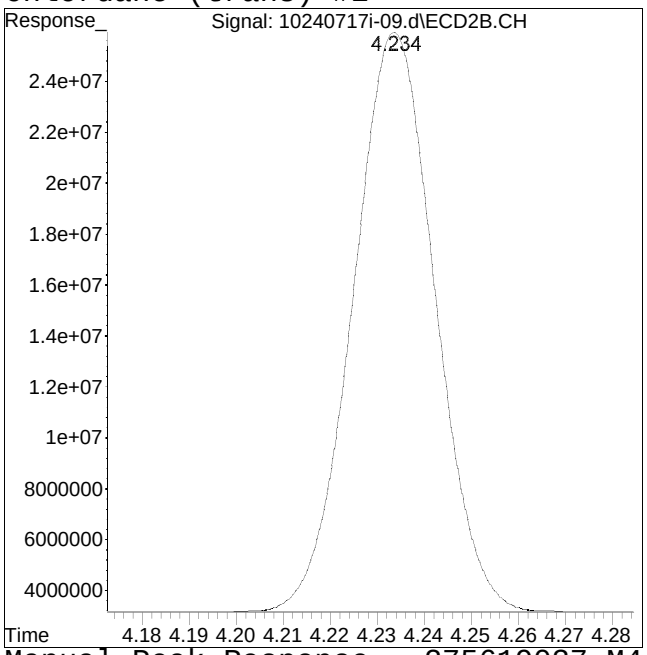
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 275643638



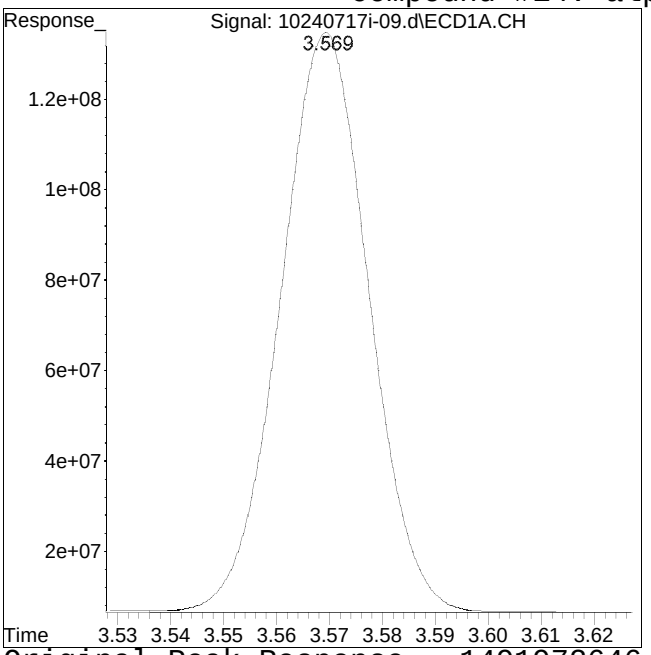
Manual Peak Response = 275619037 M4

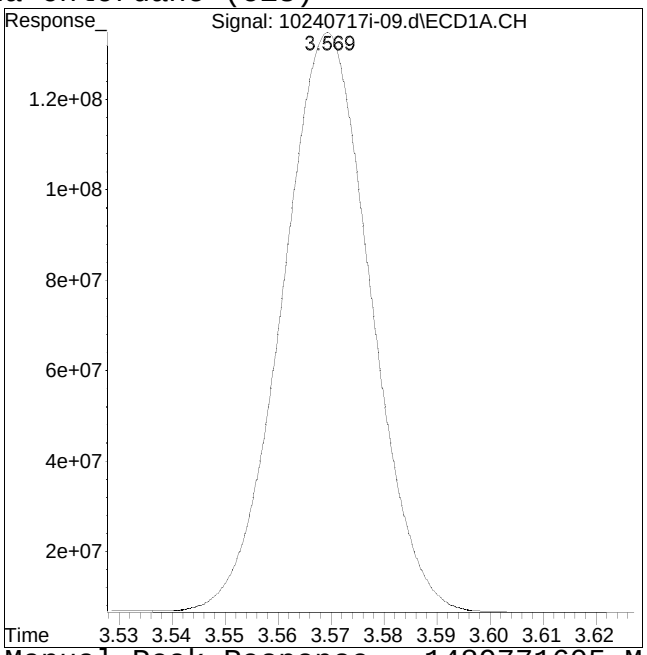
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #14: alpha-Chlordane (cis)



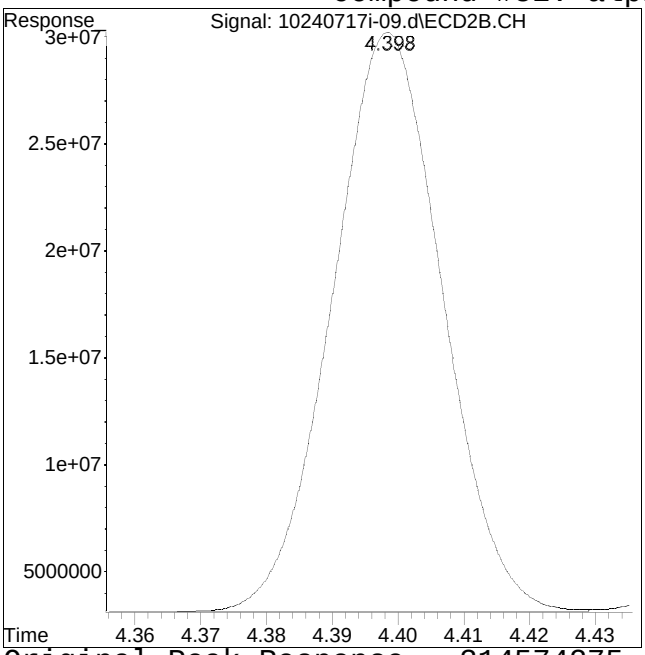


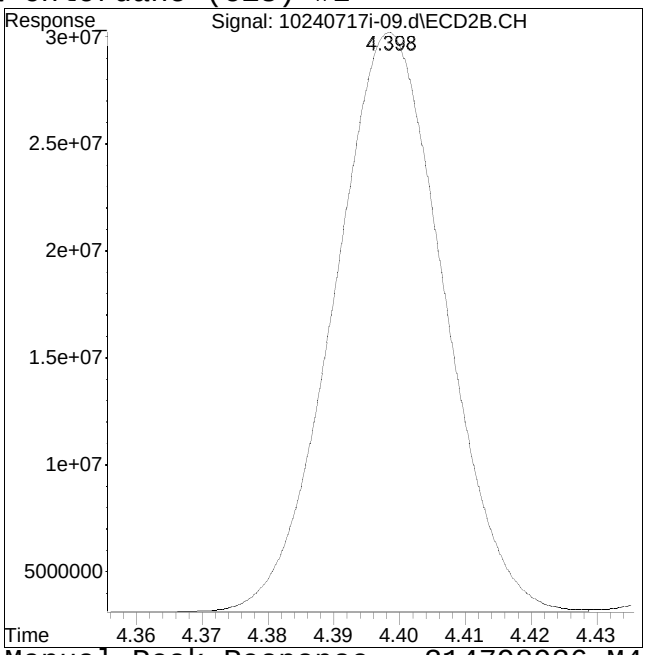
Original Peak Response = 1491972646 Manual Peak Response = 1489771605 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #52: alpha-Chlordane (cis) #2





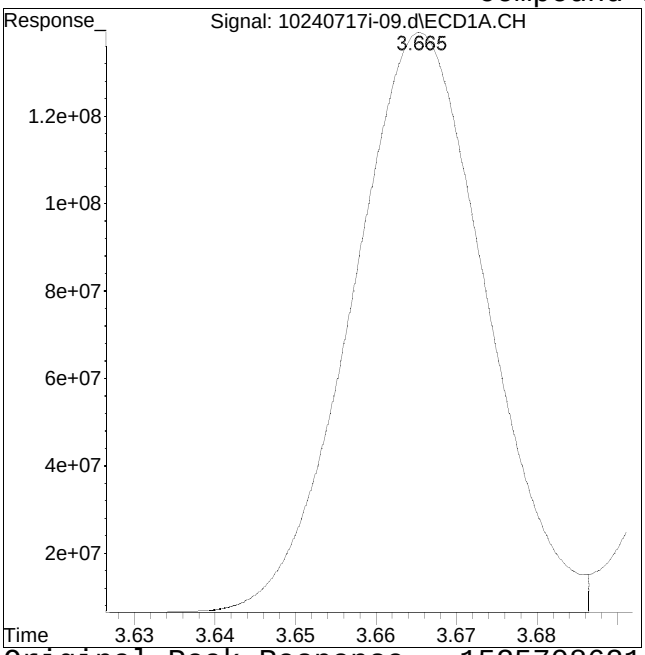
Original Peak Response = 314574275 Manual Peak Response = 314798936 M4
M4 = Poor automated baseline construction.

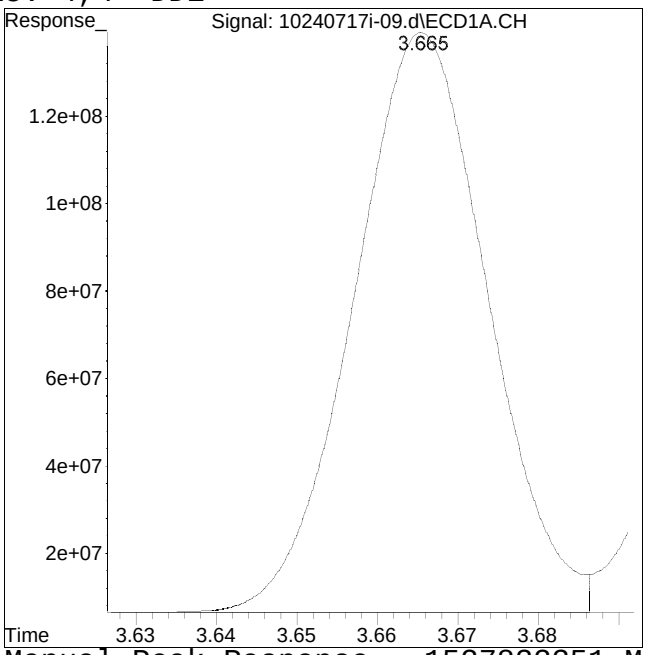
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-09.d
Date Inj'd : 7/17/2024 1:15 pm
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 11:41 am

Compound #15: 4,4'-DDE



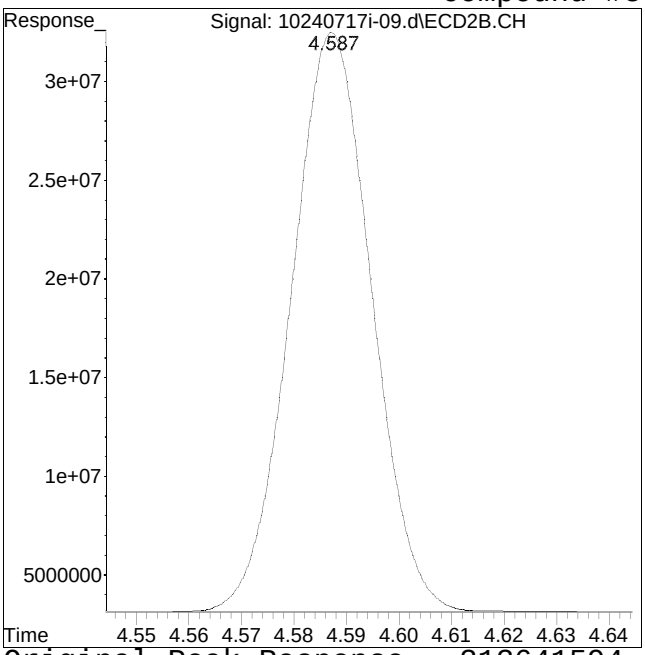


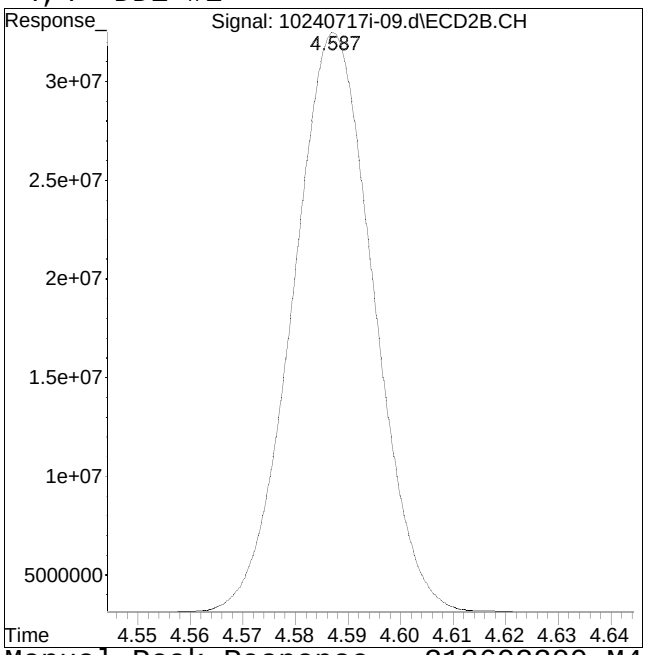
Original Peak Response = 1525708621 Manual Peak Response = 1527833351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #53: 4,4'-DDE #2



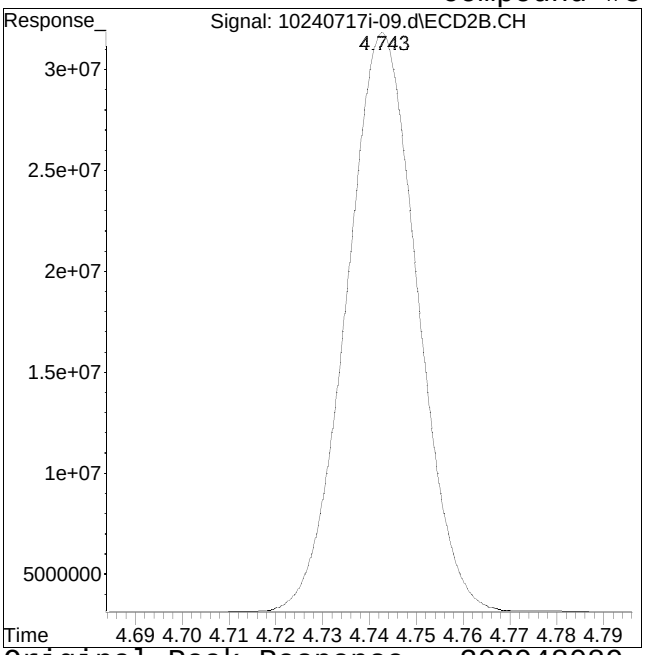


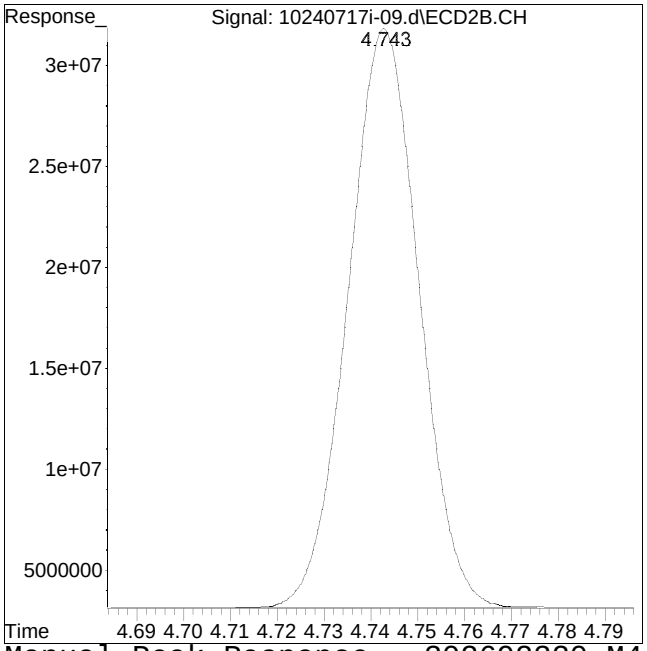
Original Peak Response = 313641594 Manual Peak Response = 313602300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #55: Dieldrin #2



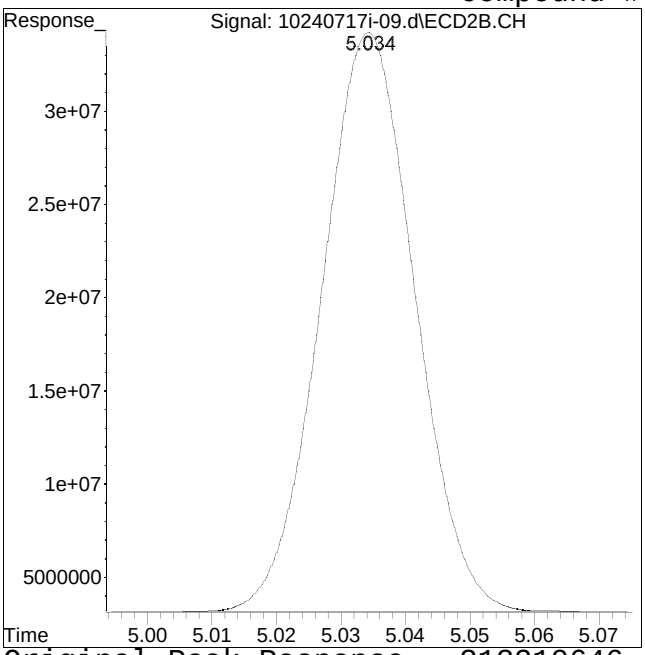


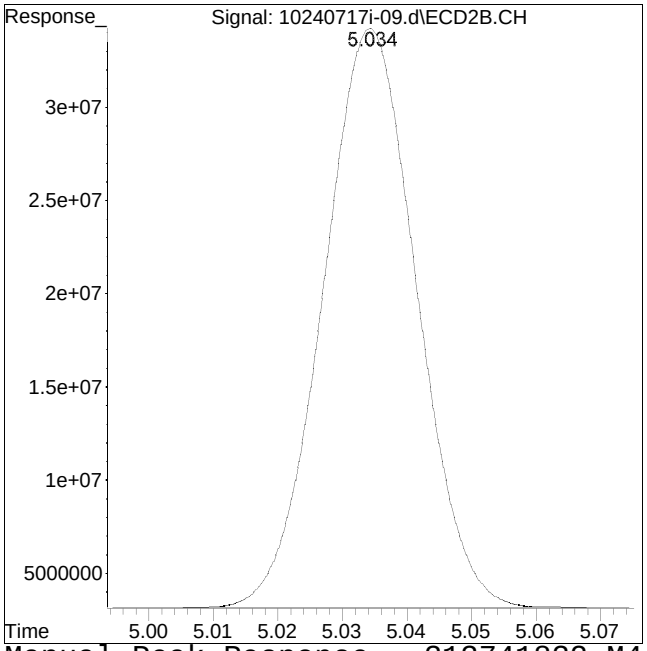
Original Peak Response = 302948089 Manual Peak Response = 302692320 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #56: Endrin #2



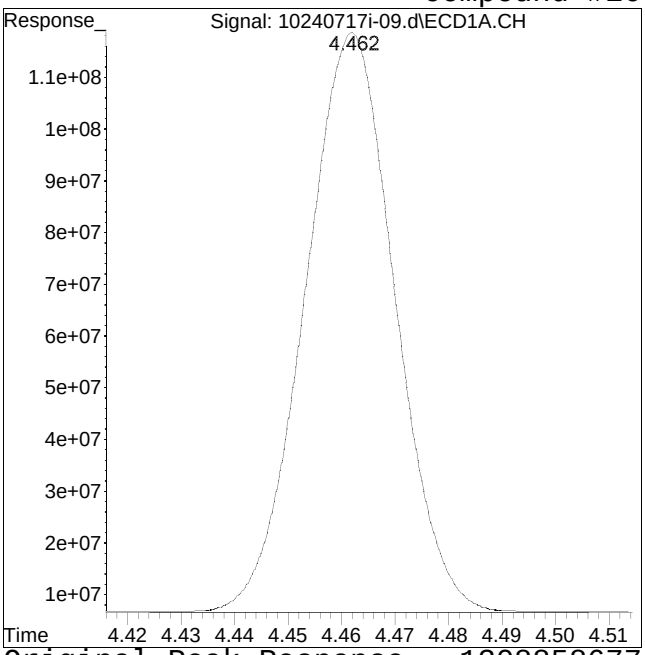


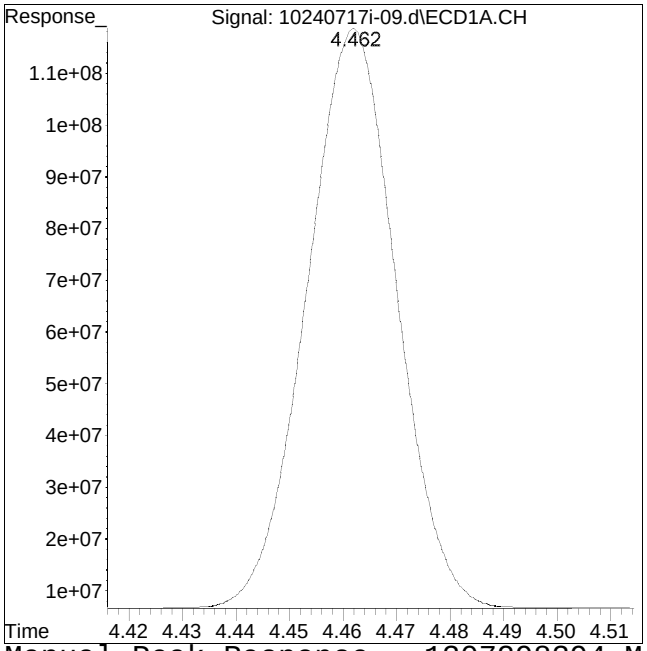
Original Peak Response = 313210646 Manual Peak Response = 313741832 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #20: Endosulfan II



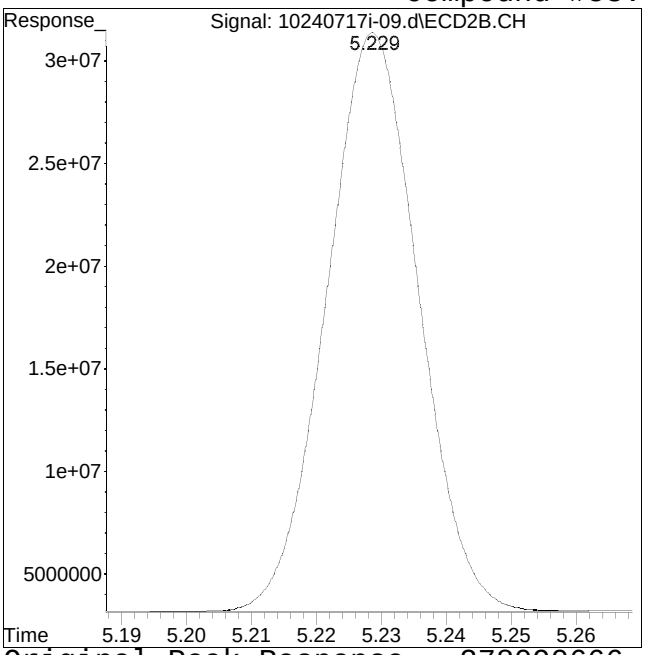


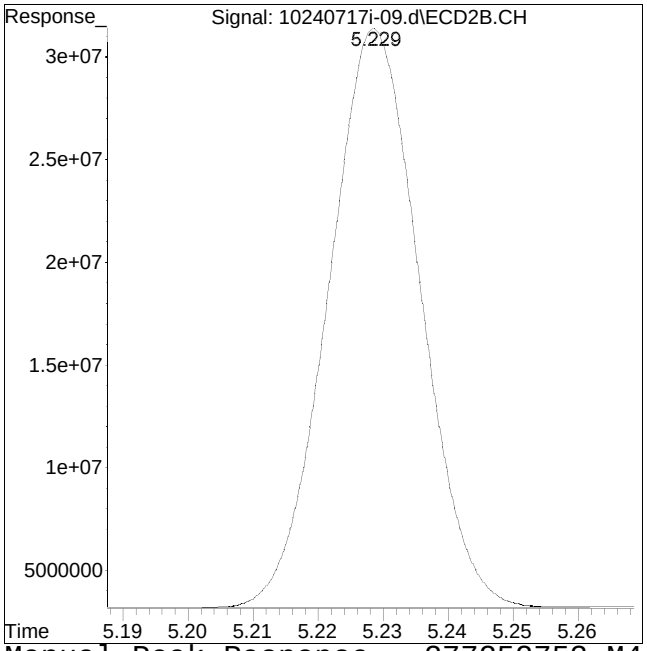
Original Peak Response = 1308858677 Manual Peak Response = 1307298394 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #58: Endosulfan II #2





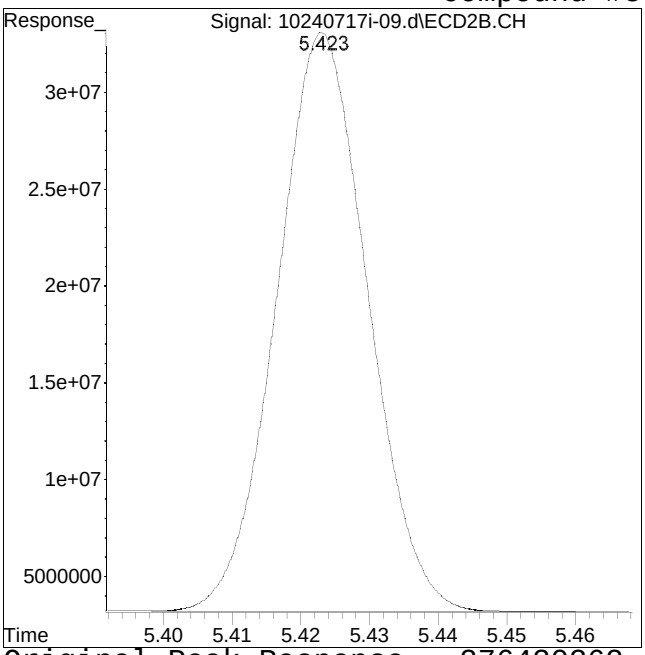
Original Peak Response = 278090666 Manual Peak Response = 277252753 M4
M4 = Poor automated baseline construction.

Manual Integration Report

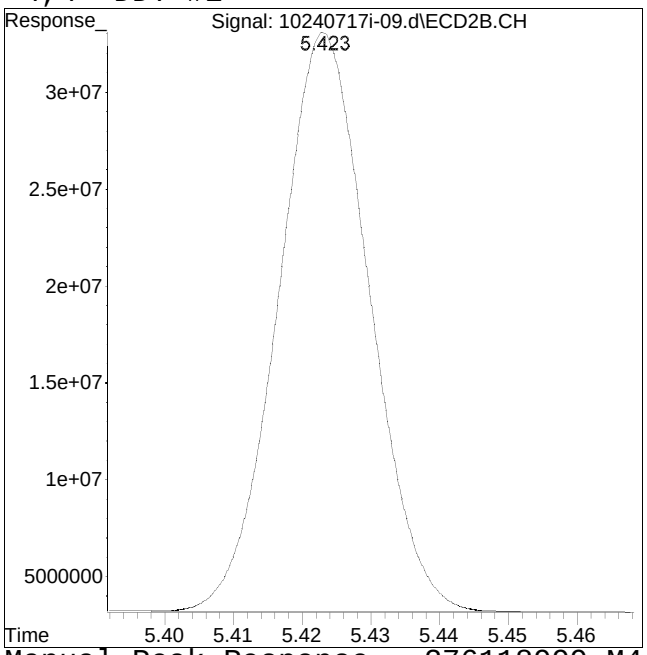
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-09.d
Date Inj'd : 7/17/2024 1:15 pm
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 11:41 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 276430362



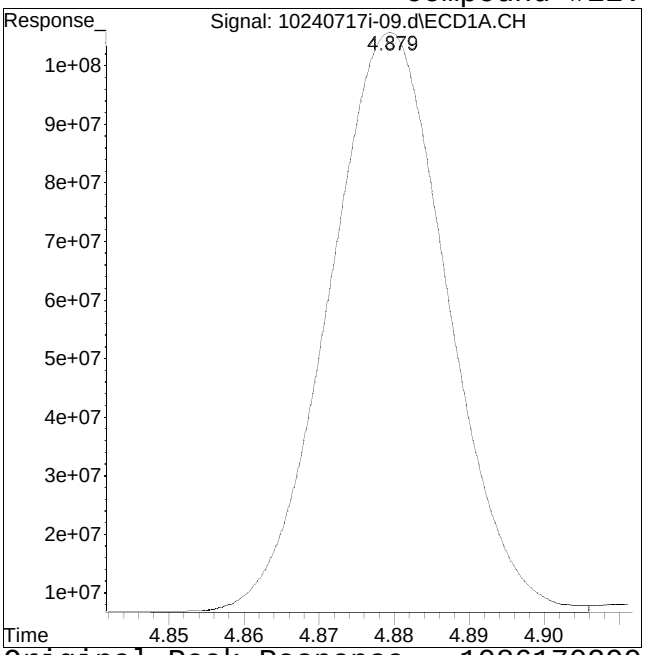
Manual Peak Response = 276118999 M4

M4 = Poor automated baseline construction.

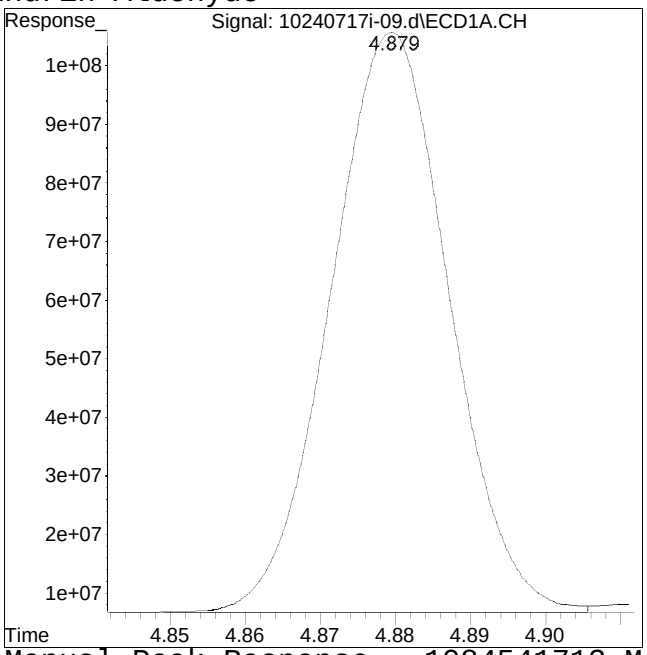
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #22: Endrin Aldehyde



Original Peak Response = 1086170299

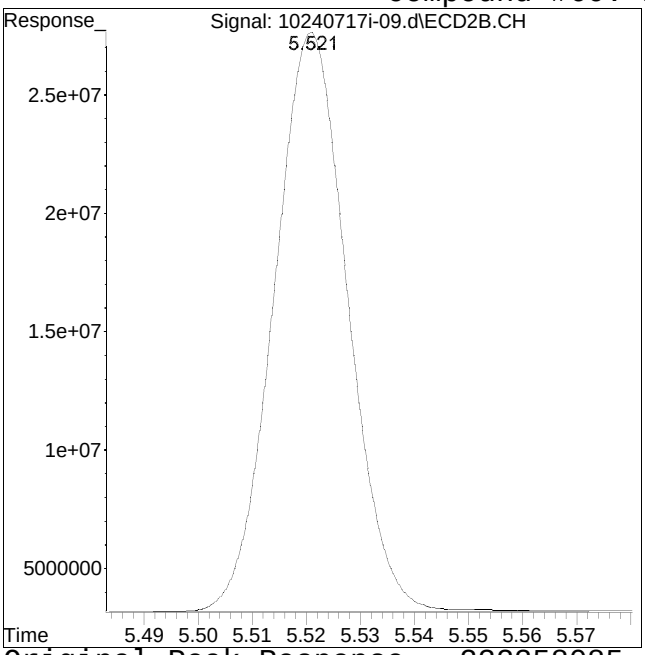


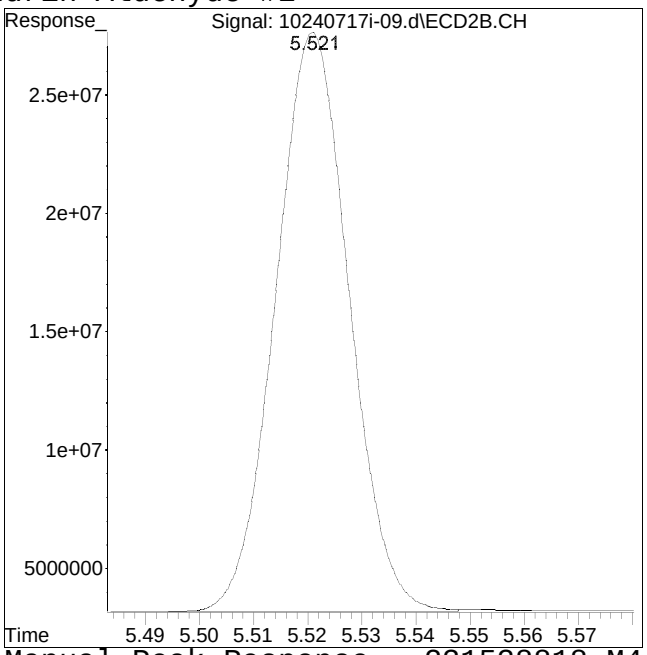
Manual Peak Response = 1084541713 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #60: Endrin Aldehyde #2



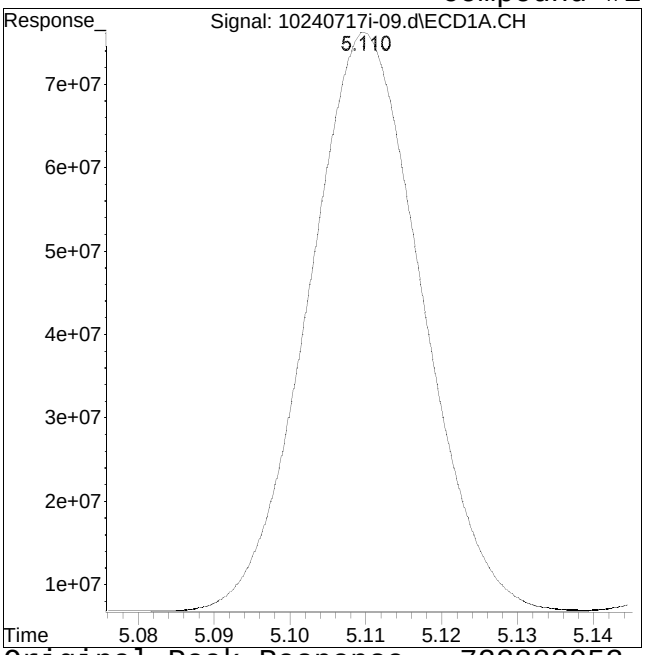


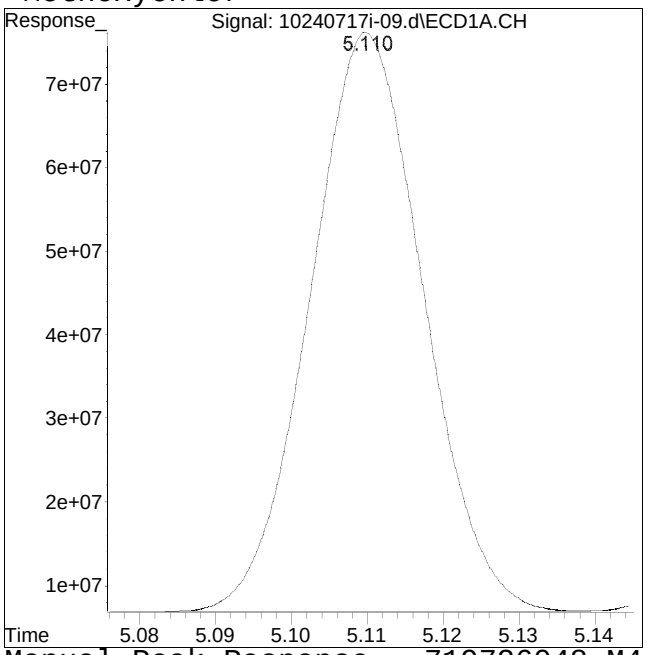
Original Peak Response = 232358085 Manual Peak Response = 231538818 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #23: Methoxychlor



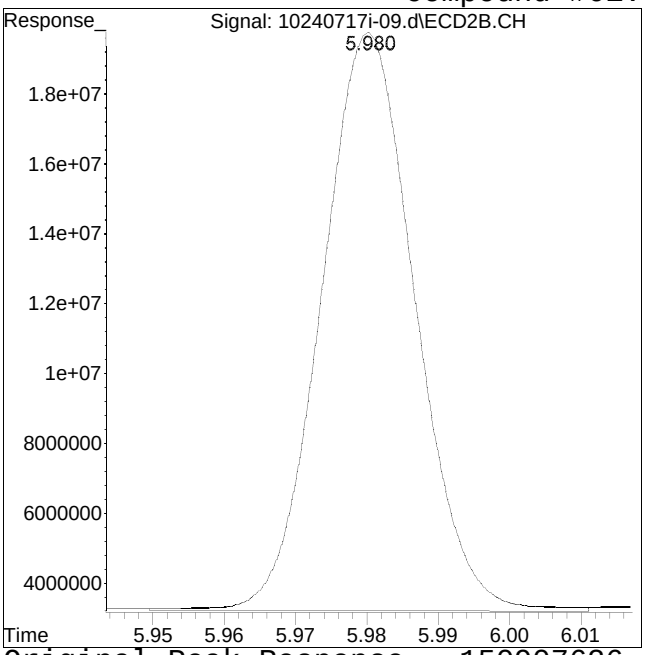


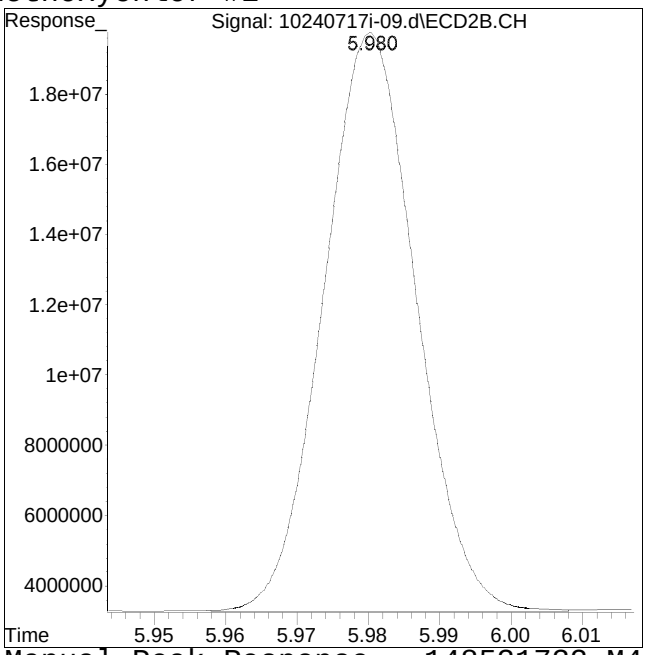
Original Peak Response = 723883953 Manual Peak Response = 719726048 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #61: Methoxychlor #2



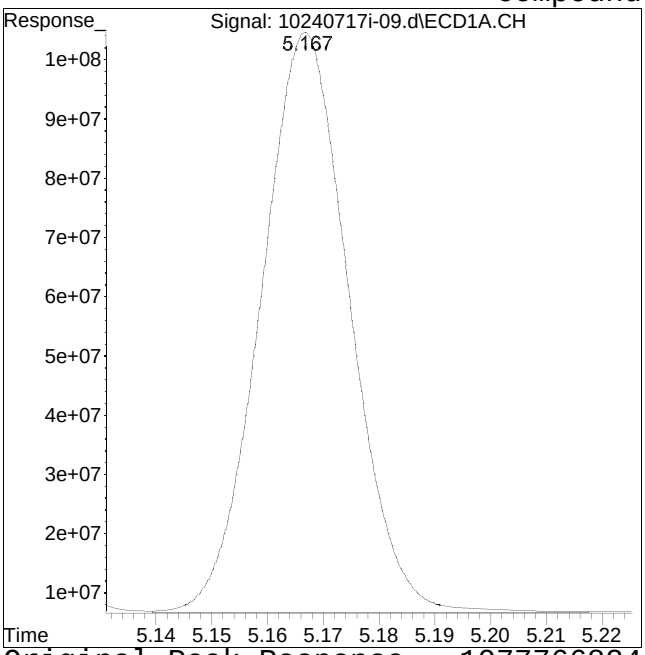


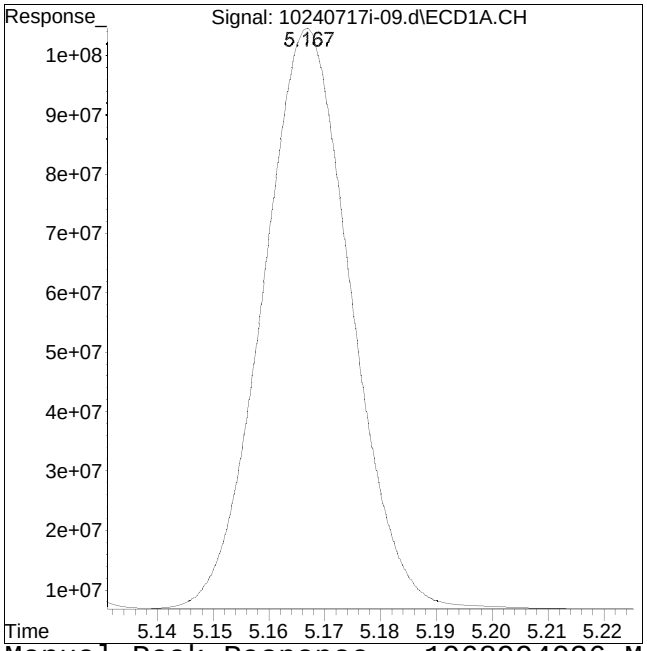
Original Peak Response = 150907626 Manual Peak Response = 148531732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #24: Mirex



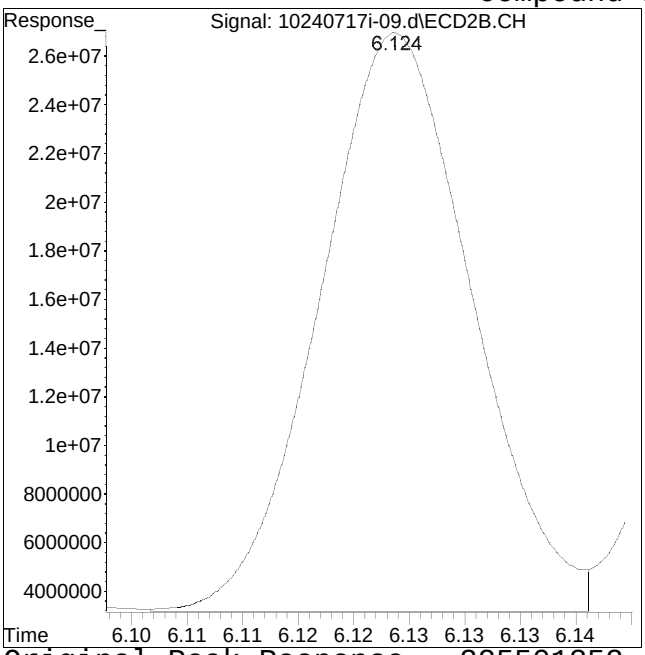


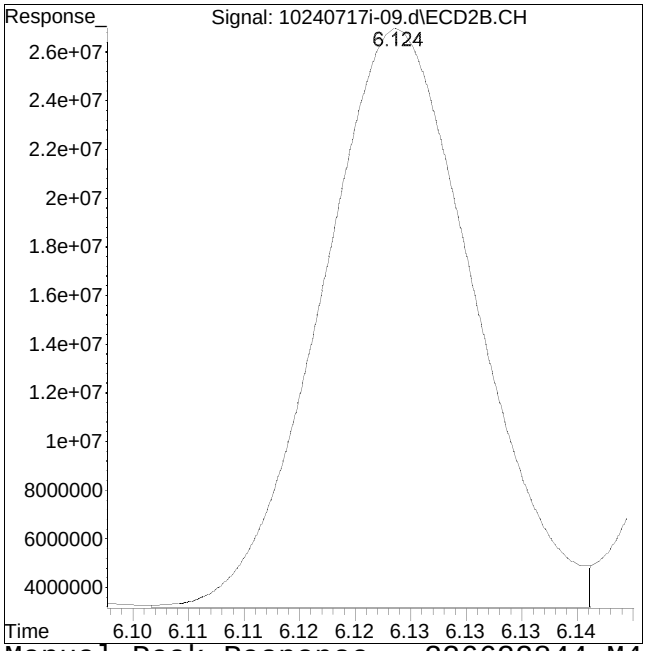
Original Peak Response = 1077766824 Manual Peak Response = 1068994036 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #62: Mirex #2



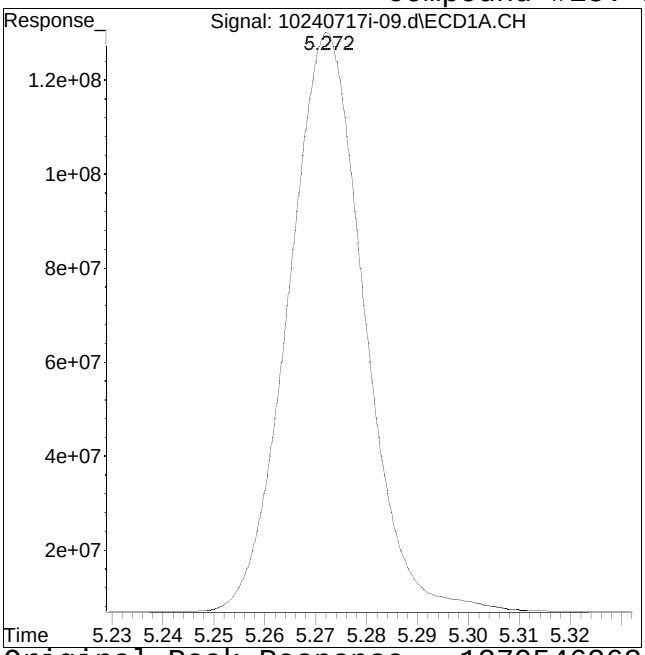


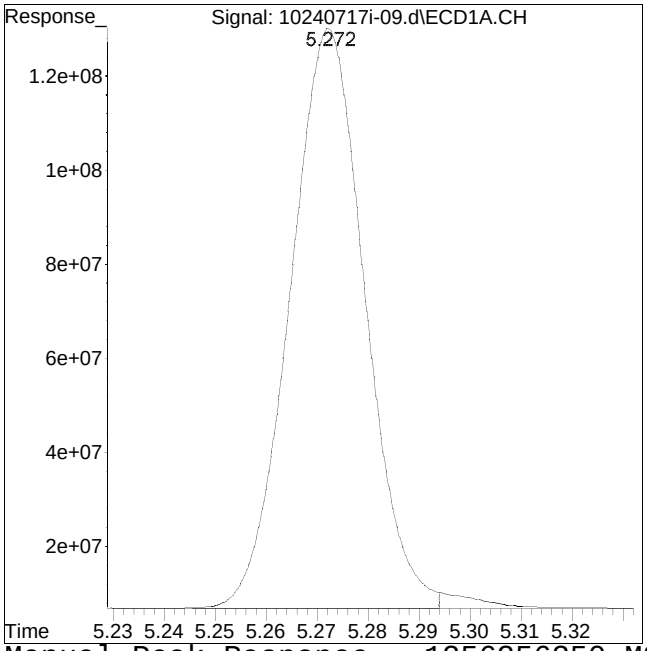
Original Peak Response = 225501352 Manual Peak Response = 226622844 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #25: Endosulfan Sulfate



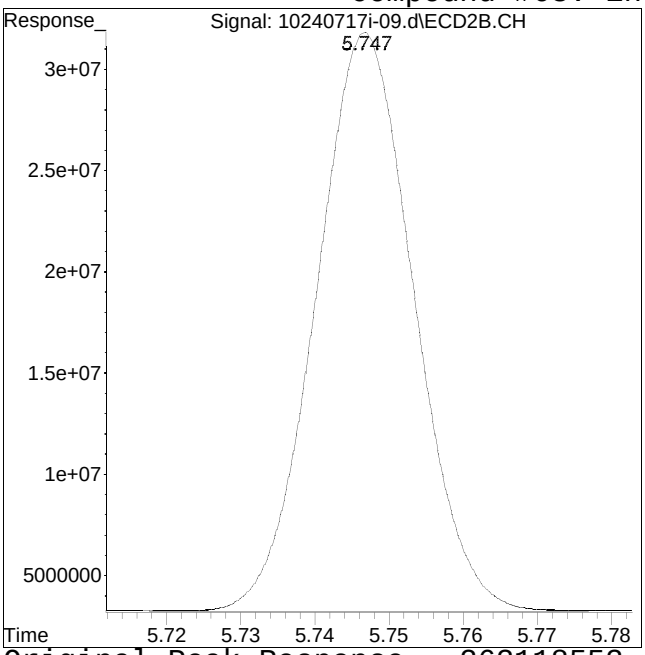


Original Peak Response = 1279546263 Manual Peak Response = 1256356350 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

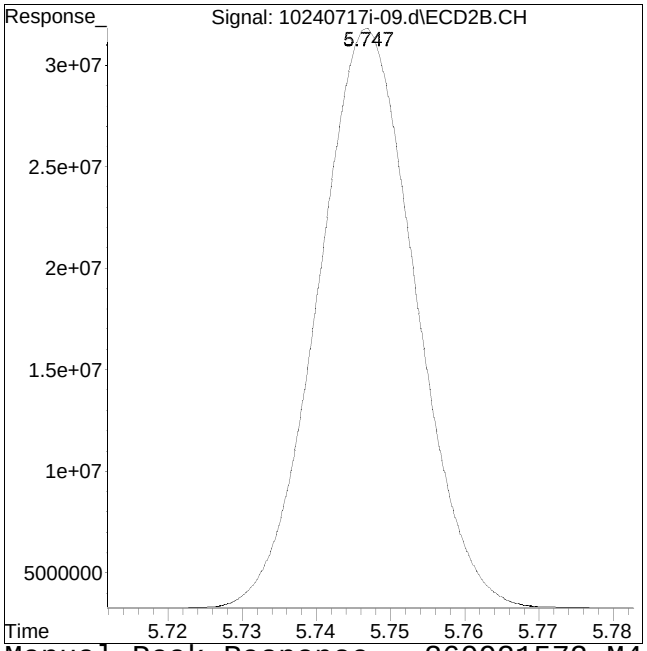
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 263118553

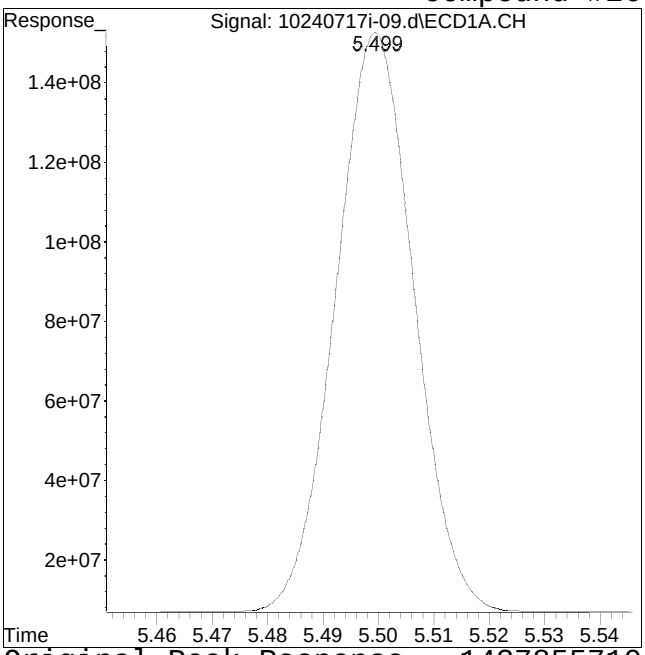


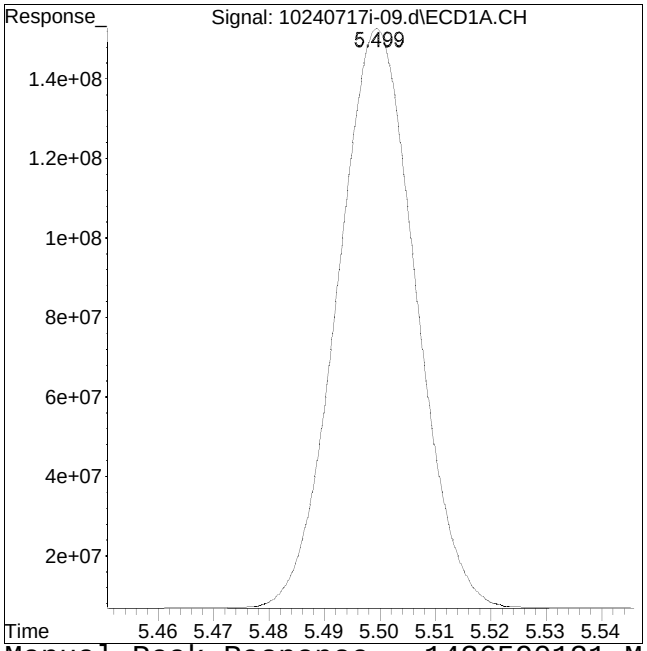
Manual Peak Response = 260921572 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #26: Endrin Ketone



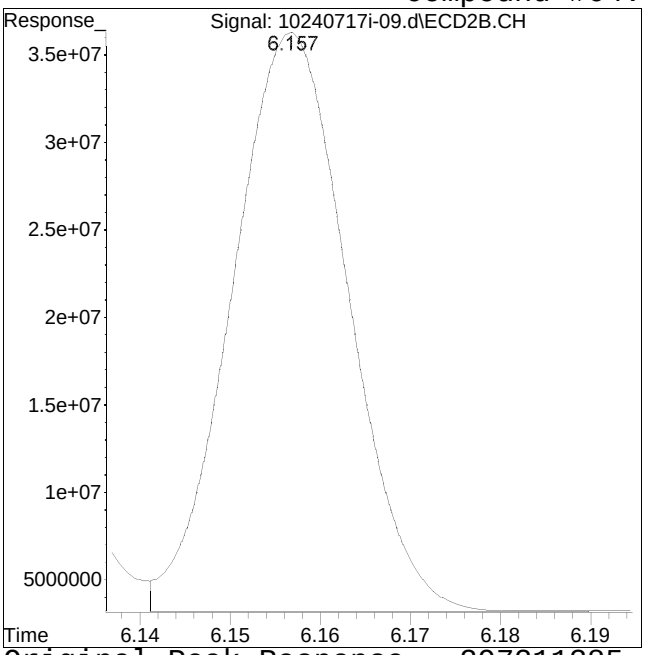


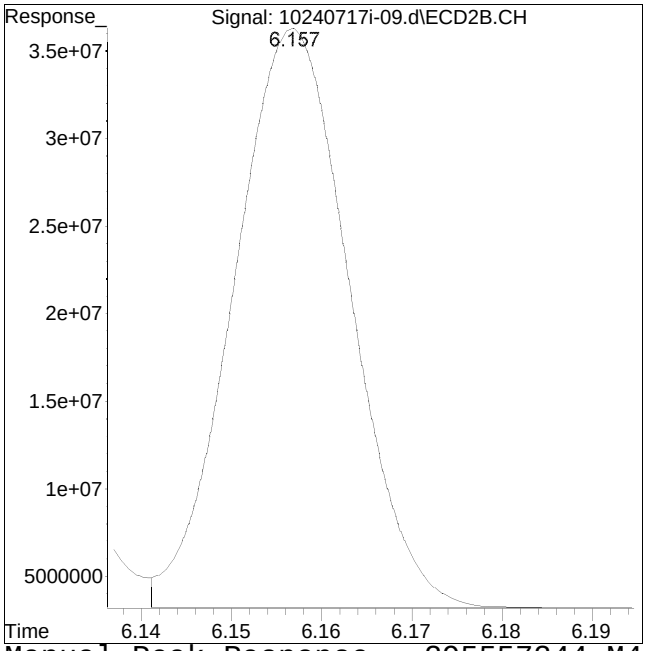
Original Peak Response = 1437855710 Manual Peak Response = 1436590131 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #64: Endrin Ketone #2



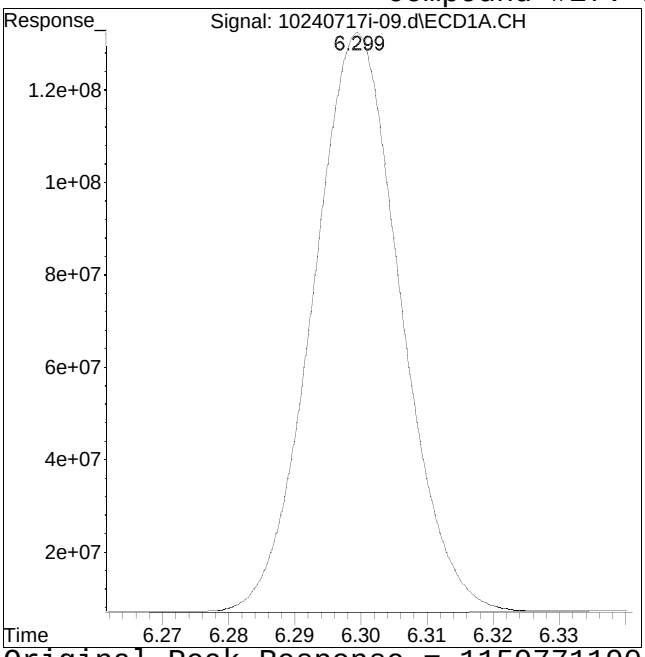


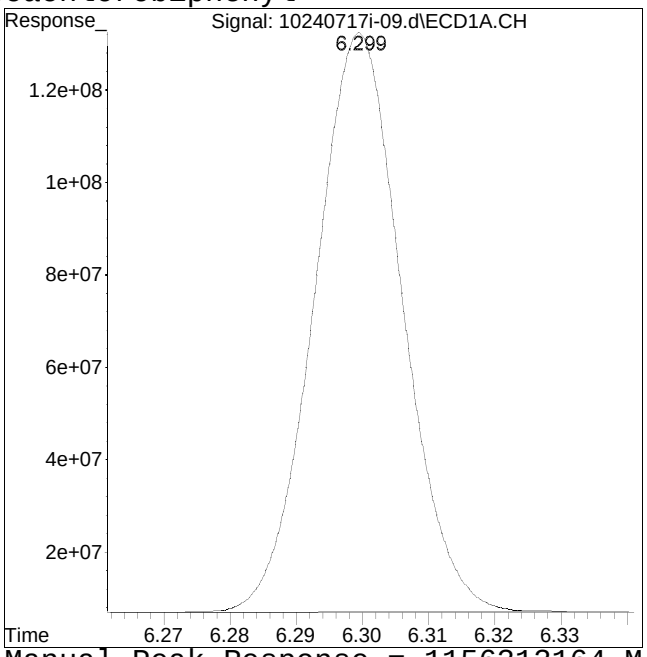
Original Peak Response = 297211385 Manual Peak Response = 295557244 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #27: Decachlorobiphenyl



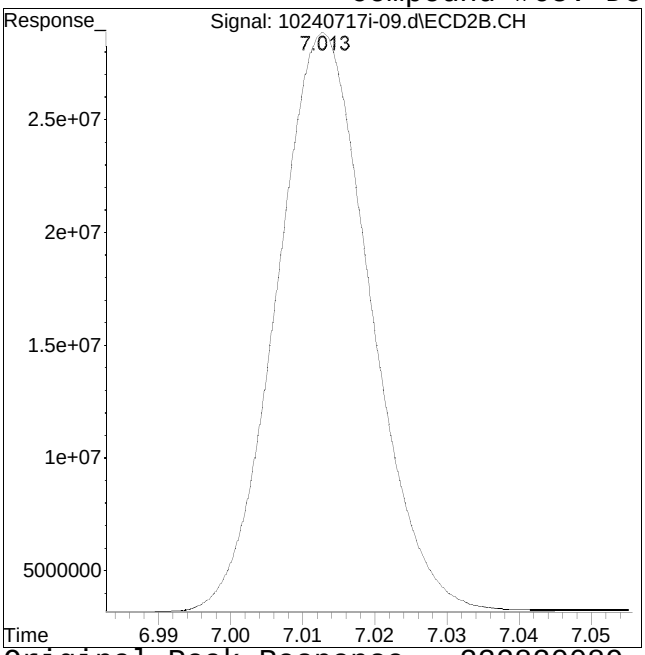


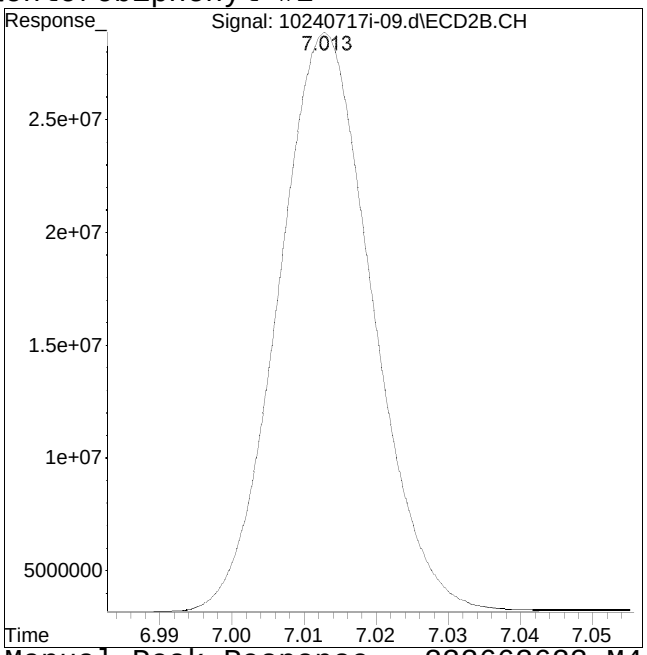
Original Peak Response = 1159771190 Manual Peak Response = 1156313164 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-09.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:15 pm Instrument : Pest 10
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/18/2024 11:41 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 232820089 Manual Peak Response = 232663623 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:26 pm
Operator : PEST10:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:15:01 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:14:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.318	1.435	506.1E6	113.2E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.662	1.926	2366.7E6	496.4E6	100.954M4	100.899
		Spiked Amount 50.000	Range 30 - 150		Recovery =		201.91%#	201.80%#
27)	s	Decachlorobi	6.299	7.012	2020.1E6	394.0E6	95.299M4	94.538M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		190.60%#	189.08%#
		Target Compounds						
3)	t	Hexachlorobe	1.875	2.257	2447.7E6	521.6E6	100.405M4	99.651
4)	t	alpha-BHC	1.974	2.355	3735.0E6	757.7E6	101.655M4	101.597M4
5)	t	gamma-BHC (l	2.176	2.648	3344.6E6	691.6E6	101.223M3	101.683M4
6)	t	beta-BHC	2.232	2.713	1300.7E6	288.7E6	99.719M4	99.774M4
7)	t	delta-BHC	2.361	2.987	3431.4E6	704.8E6	101.360M4	101.493M4
8)	t	Heptachlor	2.523	3.056	3076.0E6	643.4E6	99.162M4	99.560M4
9)	t	Aldrin	2.766	3.383	2969.5E6	612.4E6	99.514M4	100.036M4
10)	t	Alachlor	2.886	3.260	374.9E6	92153914	94.532M4	96.048M4
11)	t	Chlorpyrifos	2.978	3.621	1180.5E6	285.7E6	95.178M4	96.193M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:26 pm
Operator : PEST10:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:15:01 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:14:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.311	4.011	2674.1E6	573.8E6	98.202M4	98.843M4
13)	t	gamma-Chlord	3.434	4.233	2478.1E6	513.6E6	98.977M4	99.308M4
14)	t	alpha-Chlord	3.569	4.398	2787.6E6	577.8E6	98.727M3	98.557
15)	t	4,4'-DDE	3.666	4.587	2845.4E6	581.1E6	98.493	99.029M4
16)	t	Endosulfan I	3.706	4.458	2529.7E6	539.1E6	98.030M4	98.573
17)	t	Dieldrin	3.966	4.742	2711.6E6	559.9E6	98.430M4	98.943M4
18)	t	Endrin	4.222	5.034	2786.1E6	571.3E6	98.107M4	98.158M4
19)	t	4,4'-DDD	4.330	5.150	2261.0E6	456.8E6	98.135M4	98.344M4
20)	t	Endosulfan I	4.461	5.228	2391.7E6	499.9E6	97.602M4	97.665M4
21)	t	4,4'-DDT	4.623	5.423	2508.0E6	501.7E6	97.431M4	98.049M3
22)	t	Endrin Aldeh	4.880	5.520	1956.2E6	412.7E6	96.894	97.084M4
23)	t	Methoxychlor	5.110	5.980	1240.5E6	255.2E6	94.623M4	95.248M4
24)	t	Mirex	5.167	6.123	1895.7E6	387.7E6	96.046M4	95.044M4
25)	t	Endosulfan S	5.272	5.746	2270.3E6	470.1E6	96.986M4	97.621M4
26)	t	Endrin Keton	5.499	6.156	2576.5E6	524.8E6	96.609M4	96.894M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:26 pm
Operator : PEST10:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:15:01 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:14:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

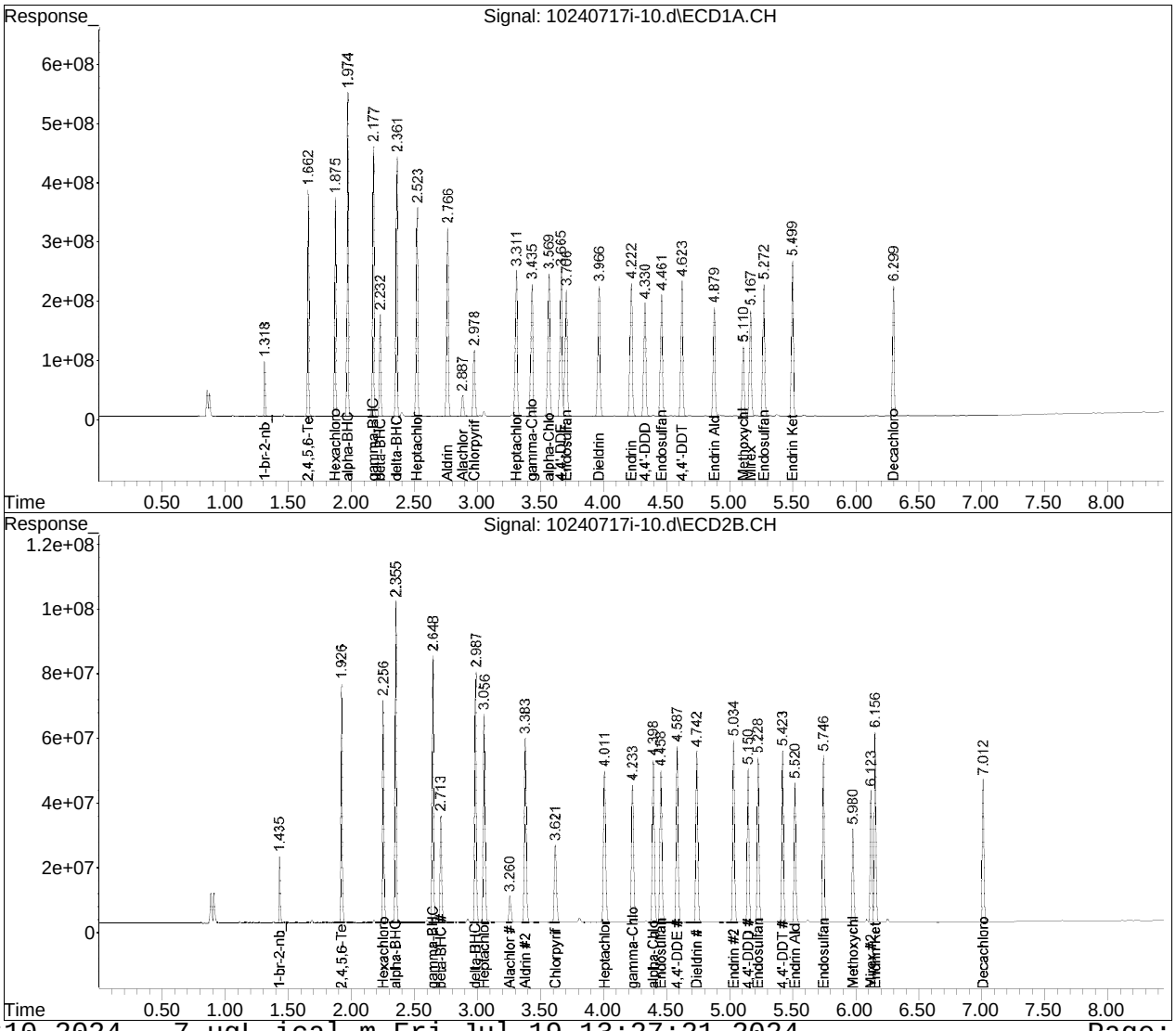
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:26 pm
Operator : PEST10:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:15:01 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:14:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

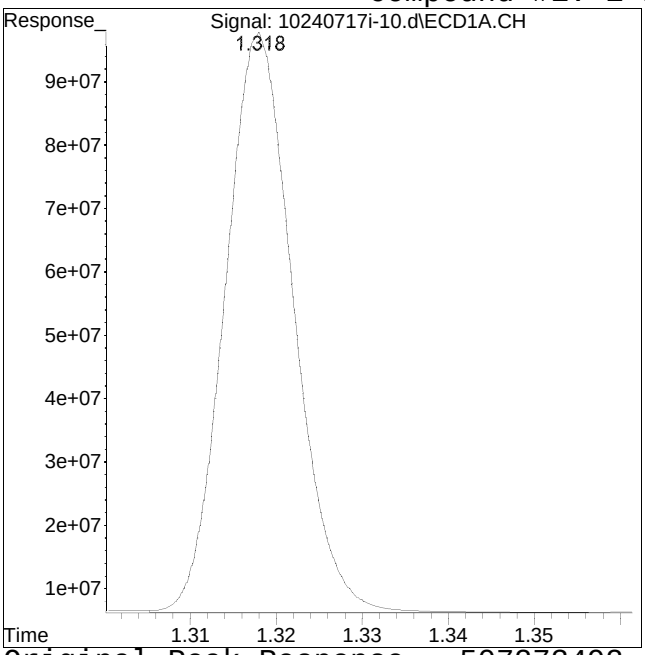
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

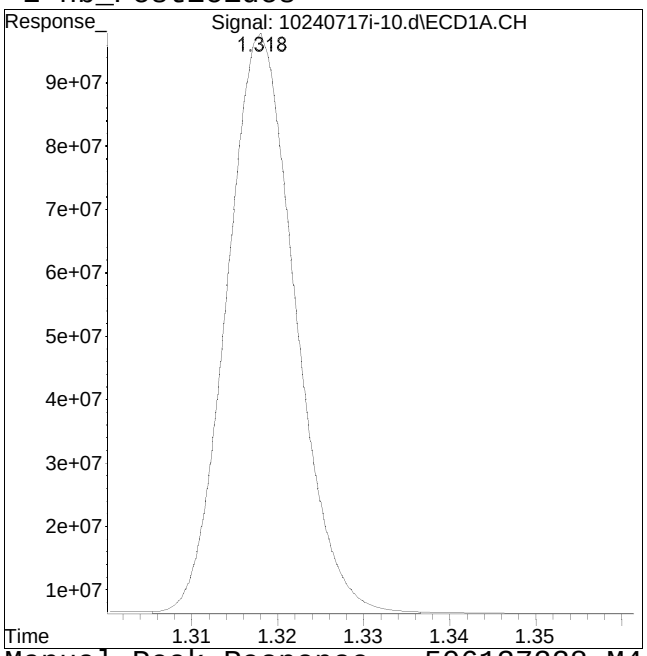


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #1: 1-br-2-nb_Pesticides



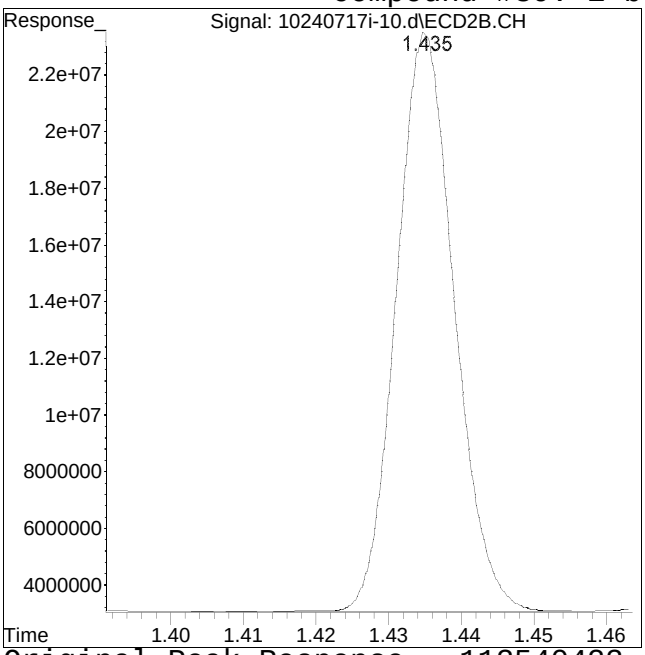


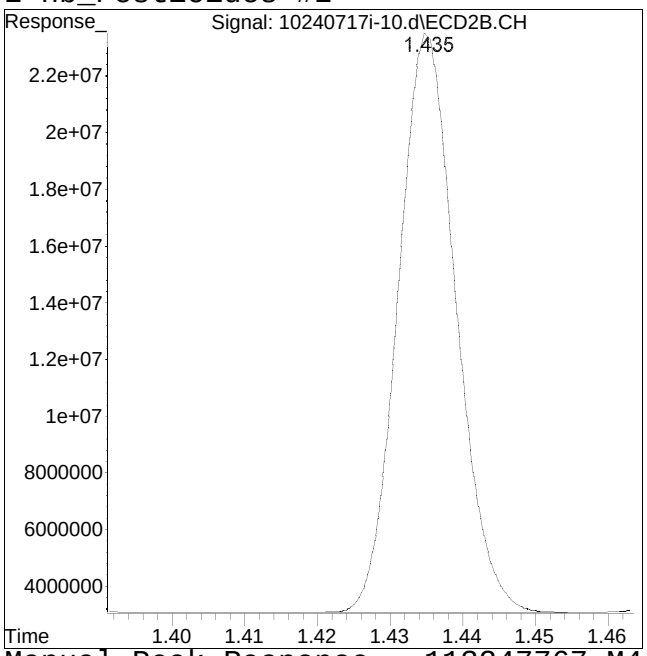
Original Peak Response = 507273492 Manual Peak Response = 506137228 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #39: 1-br-2-nb_Pesticides #2



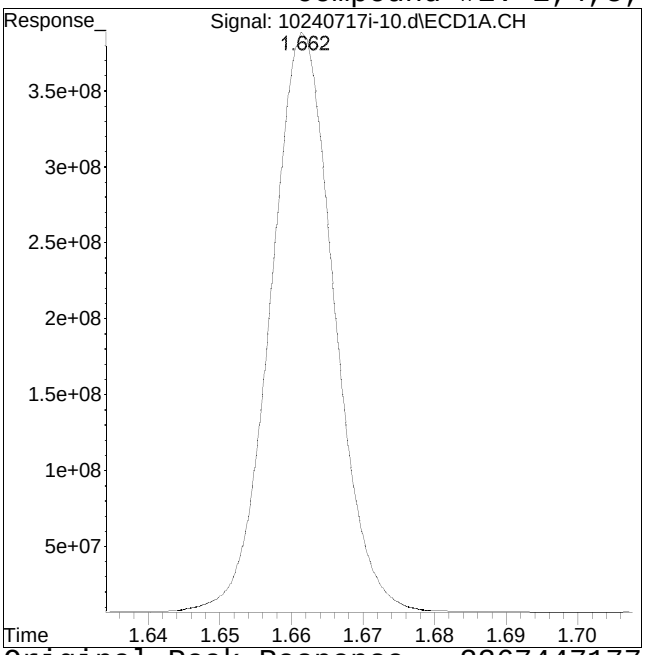


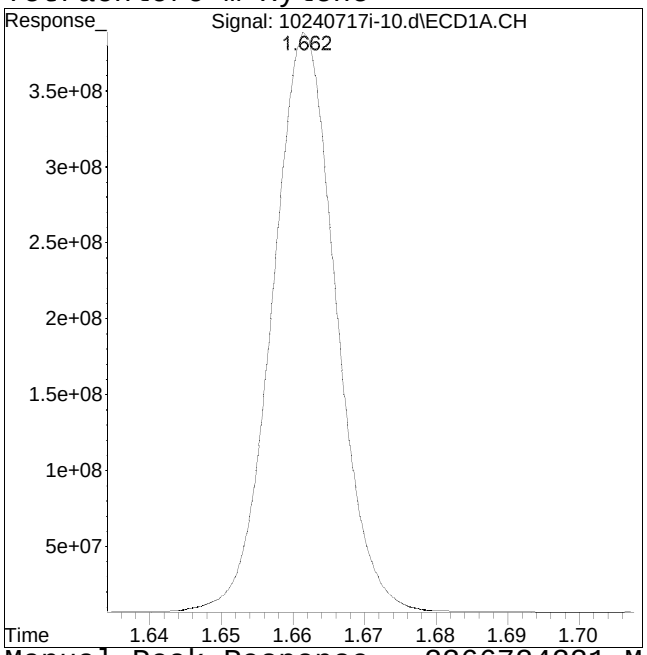
Original Peak Response = 113540423 Manual Peak Response = 113247767 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



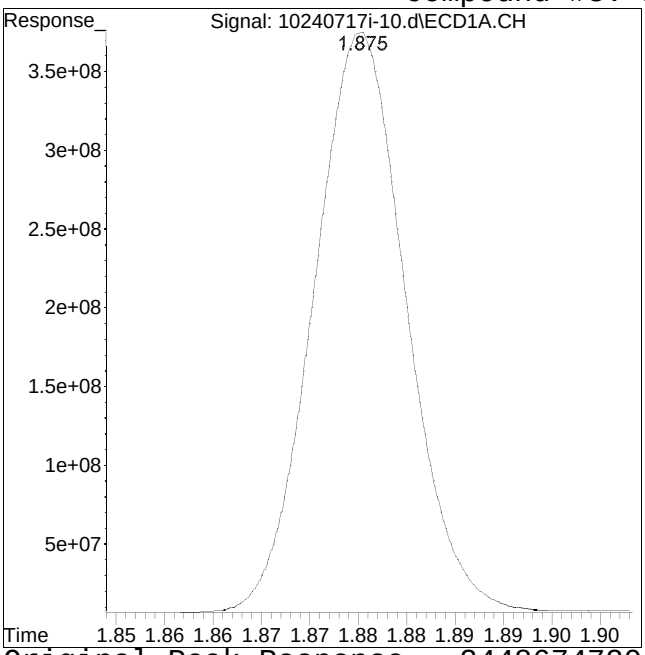


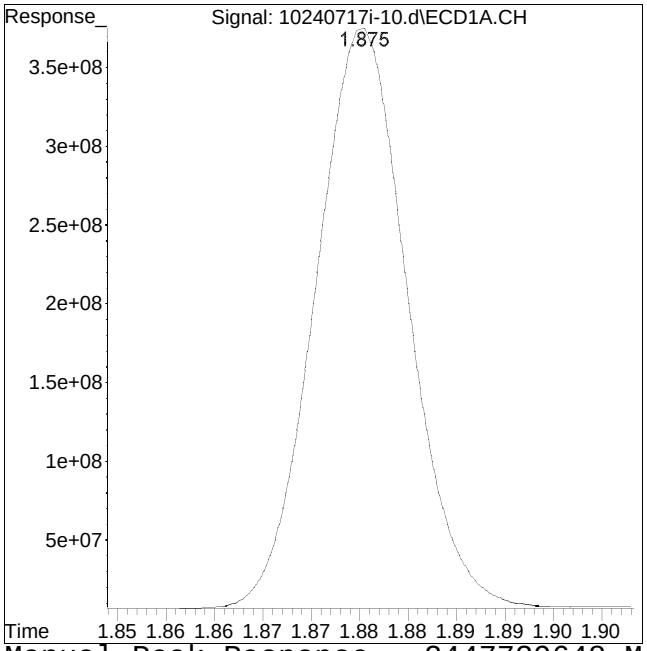
Original Peak Response = 2367447177 Manual Peak Response = 2366724221 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #3: Hexachlorobenzene



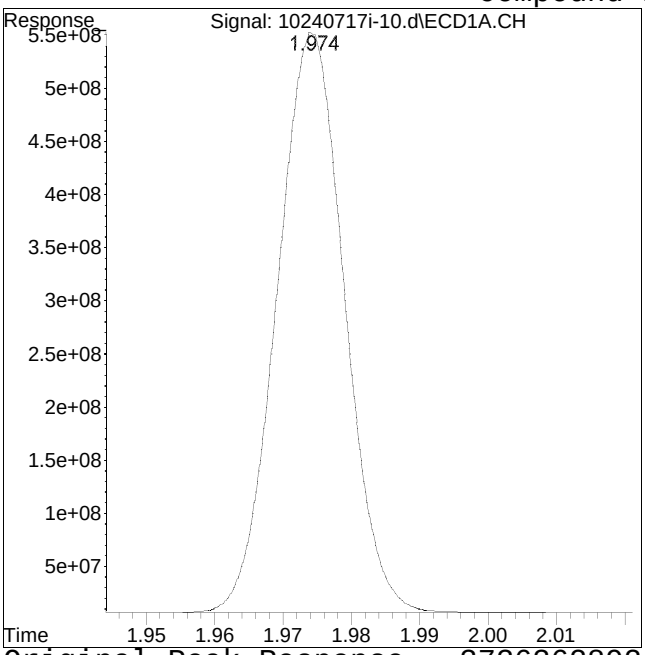


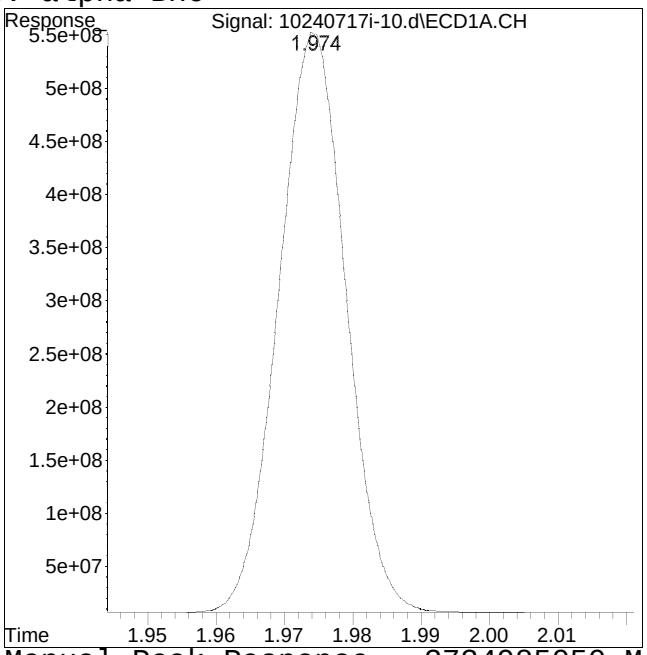
Original Peak Response = 2448674720 Manual Peak Response = 2447739648 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #4: alpha-BHC



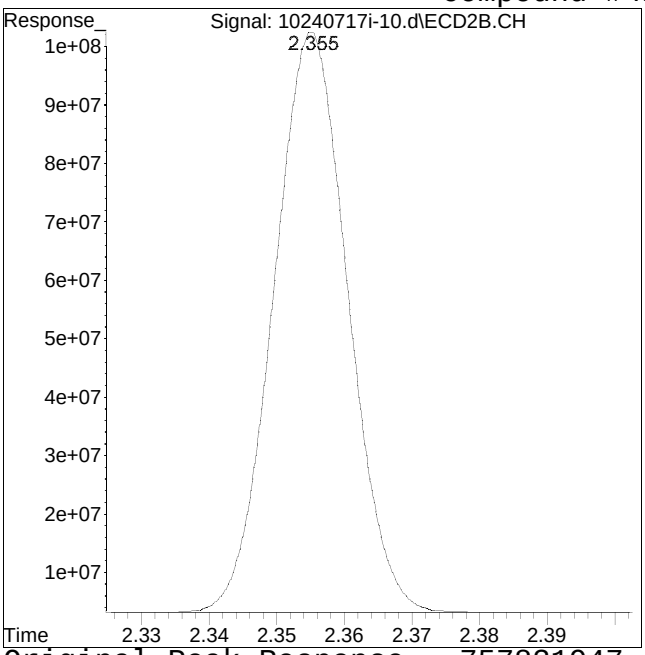


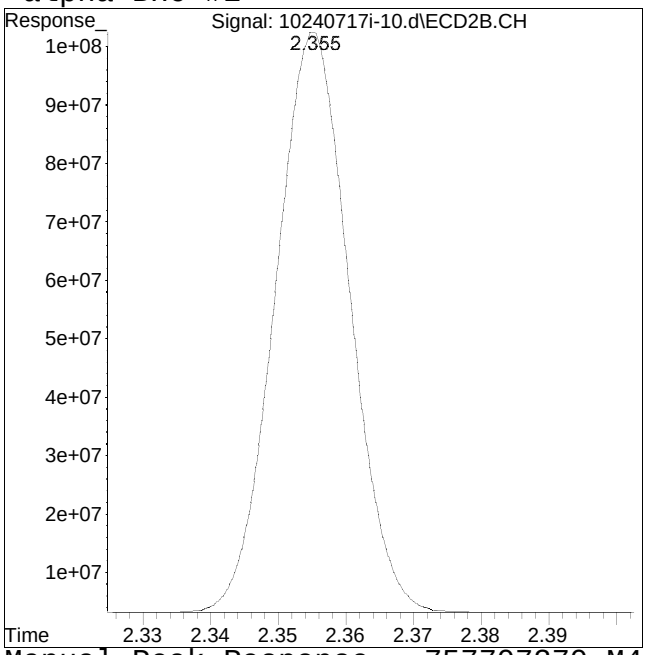
Original Peak Response = 3736362892 Manual Peak Response = 3734985050 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #42: alpha-BHC #2



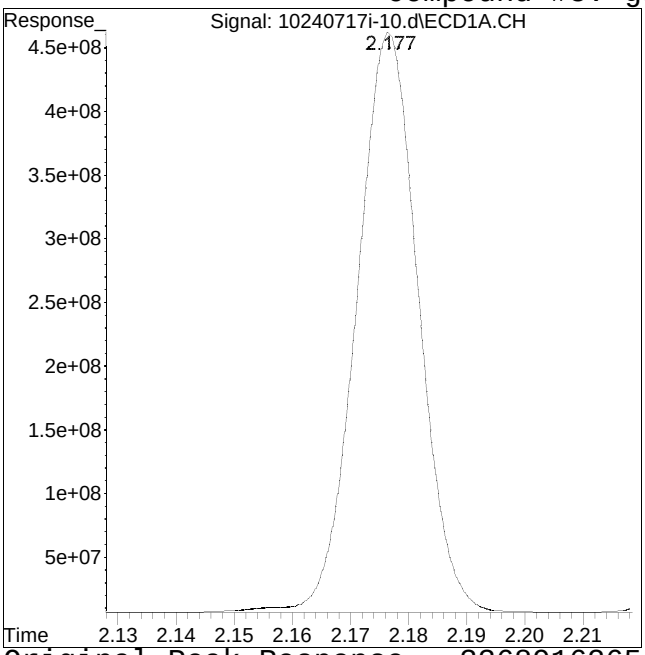


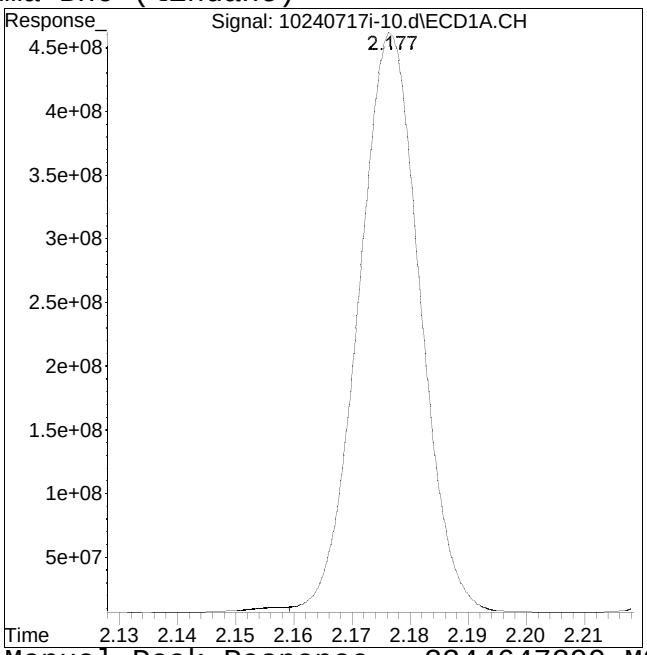
Original Peak Response = 757831947 Manual Peak Response = 757707370 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #5: gamma-BHC (lindane)



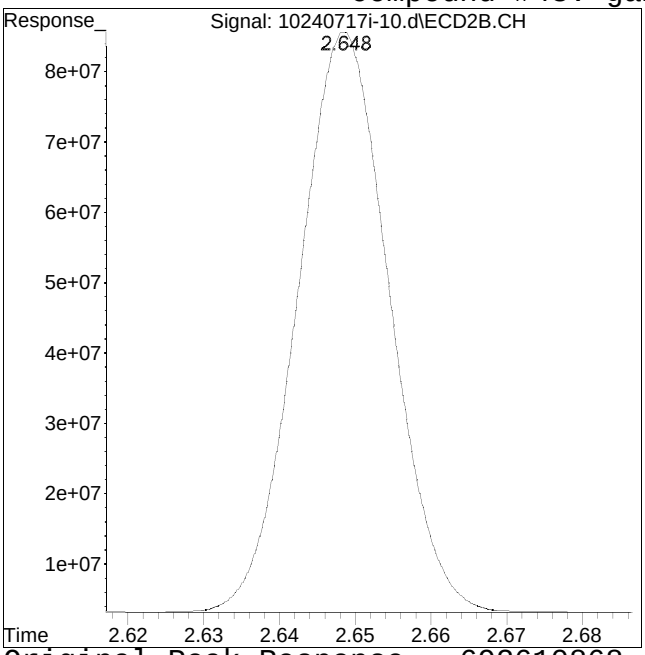


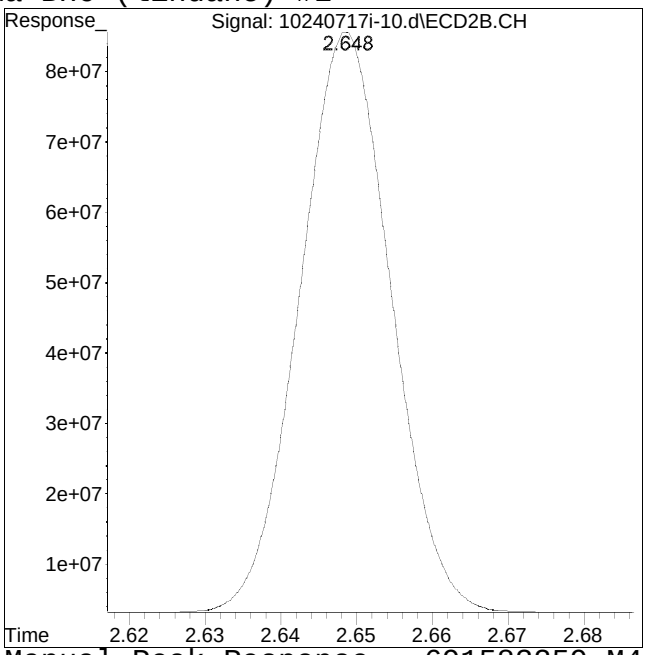
Original Peak Response = 3368916265 Manual Peak Response = 3344647299 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #43: gamma-BHC (lindane) #2



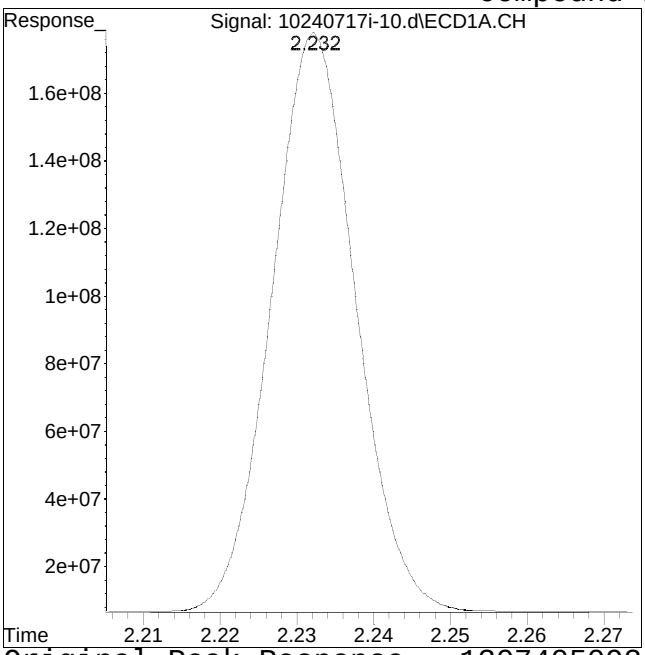


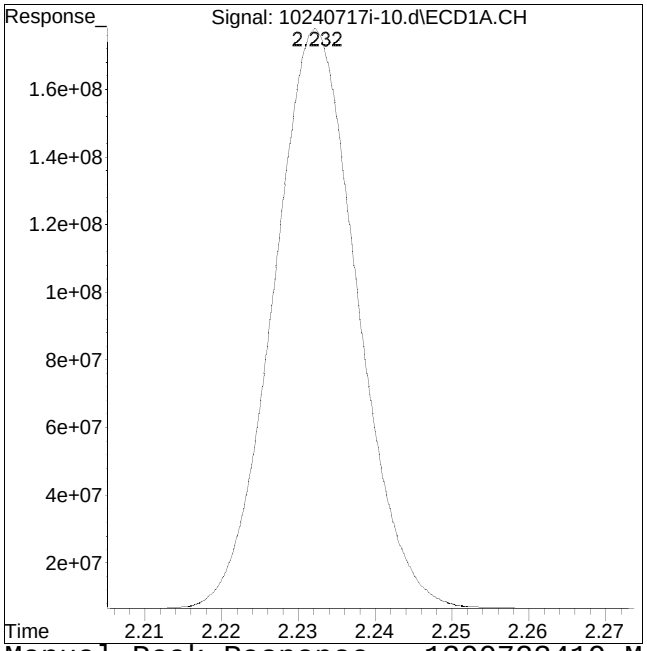
Original Peak Response = 692610868 Manual Peak Response = 691583259 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #6: beta-BHC



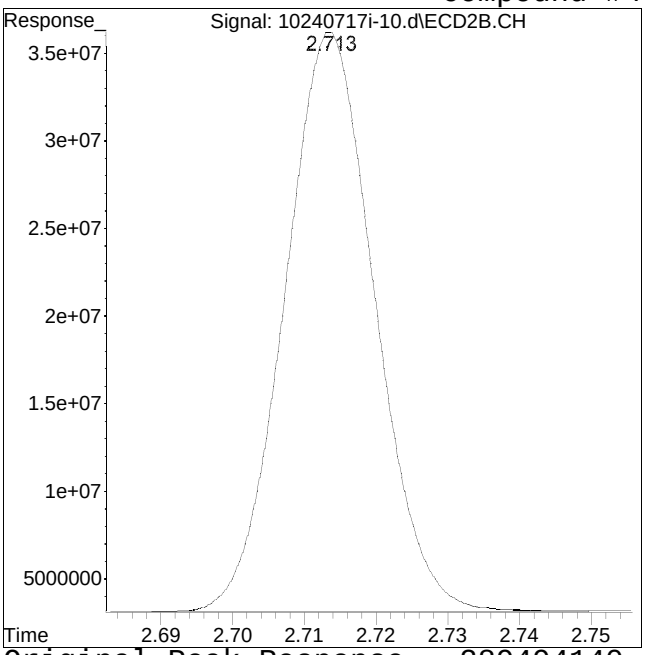


Original Peak Response = 1307405093 Manual Peak Response = 1300723419 M4
M4 = Poor automated baseline construction.

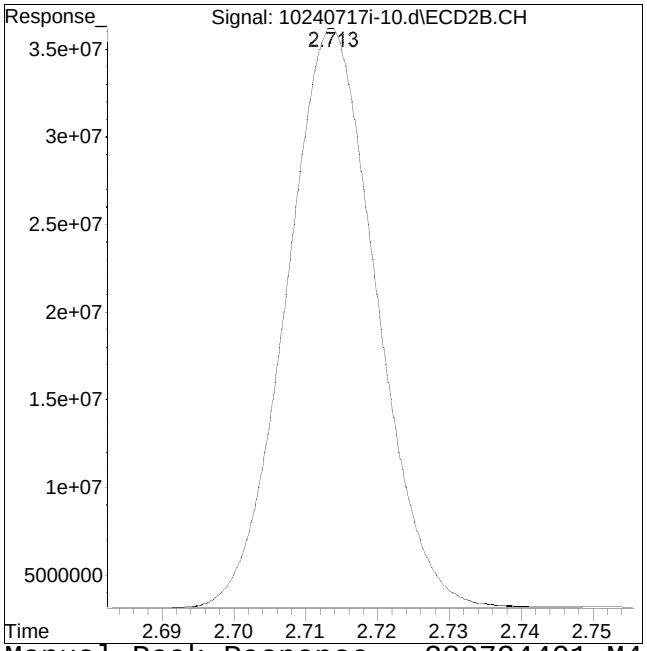
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #44: beta-BHC #2



Original Peak Response = 289494140

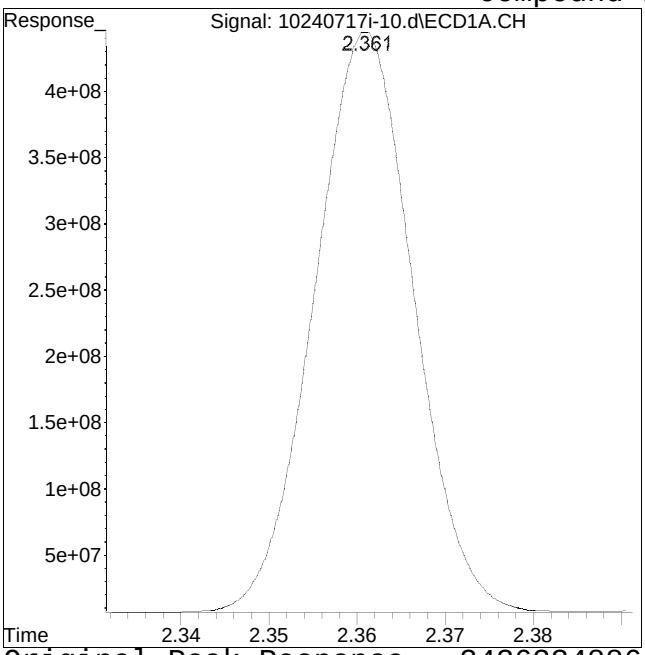


Manual Peak Response = 288724401 M4
M4 = Poor automated baseline construction.

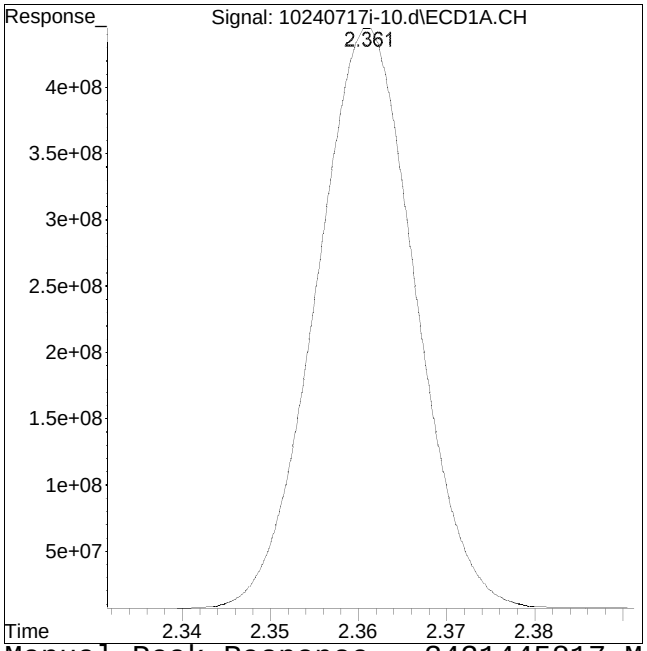
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #7: delta-BHC



Original Peak Response = 3436334886

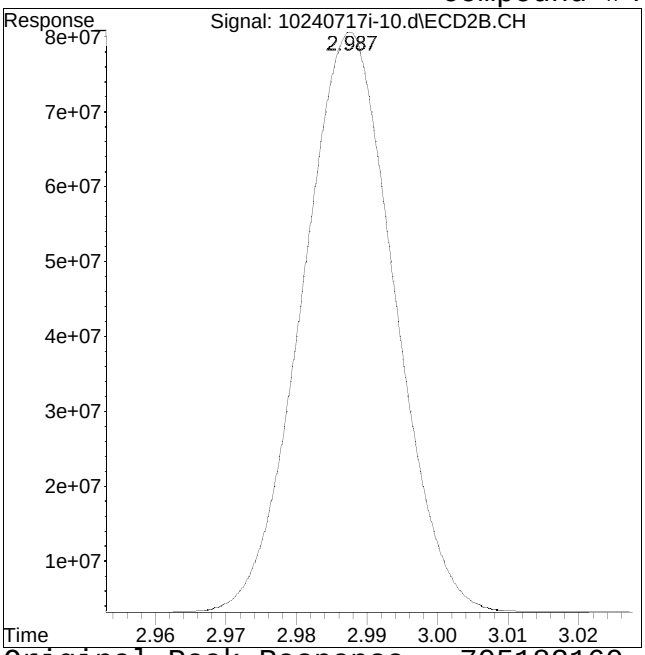


Manual Peak Response = 3431445817 M4
M4 = Poor automated baseline construction.

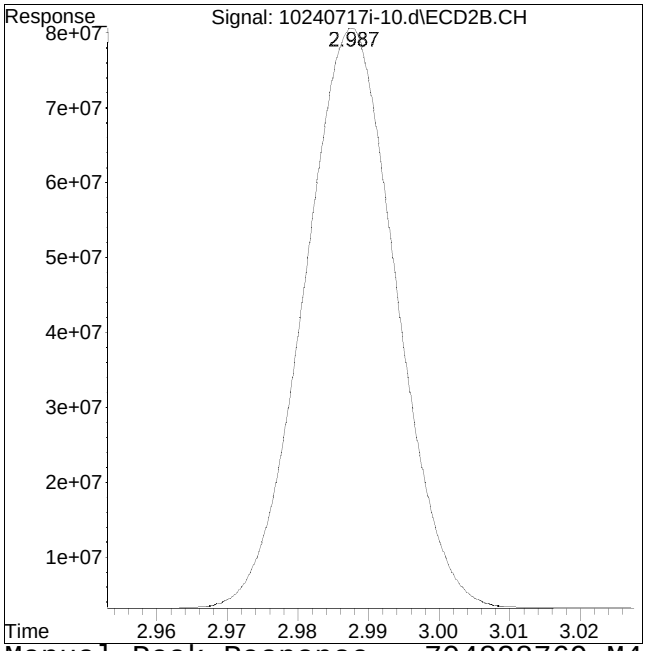
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #45: delta-BHC #2



Original Peak Response = 705182160

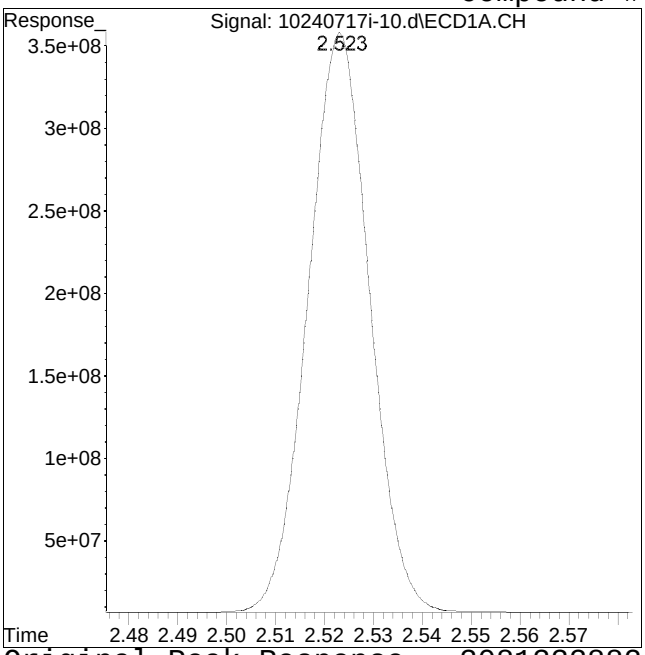


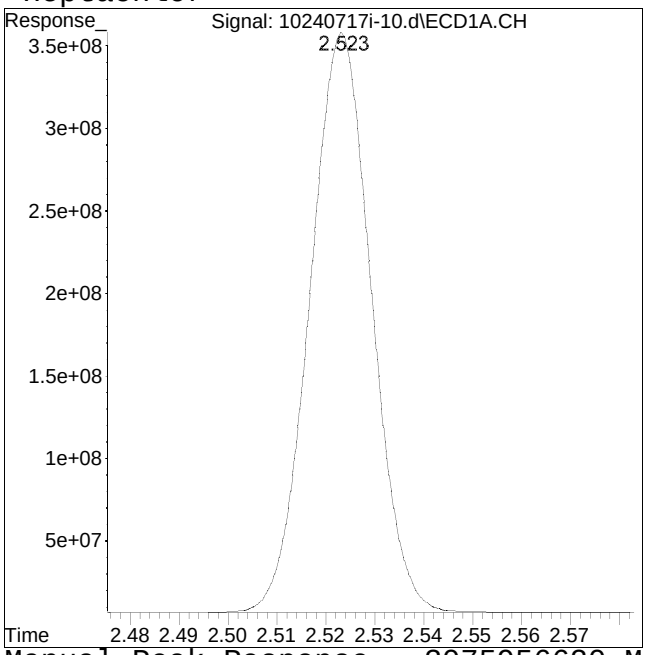
Manual Peak Response = 704828769 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #8: Heptachlor



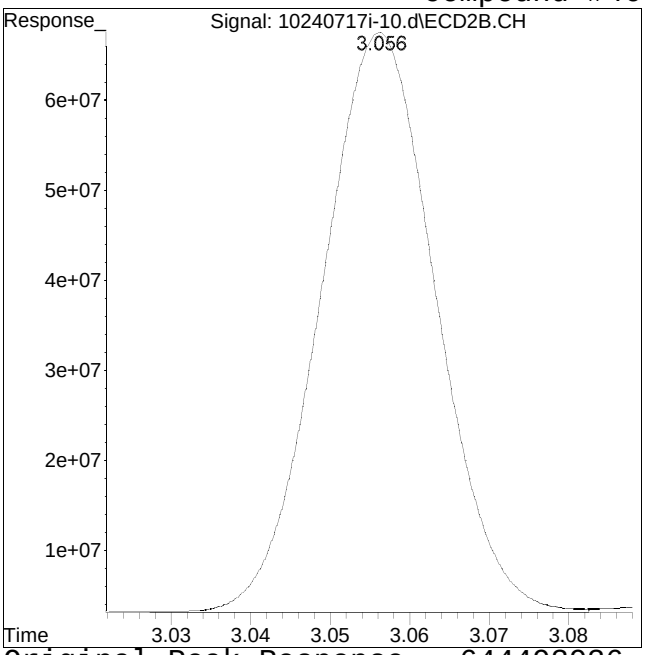


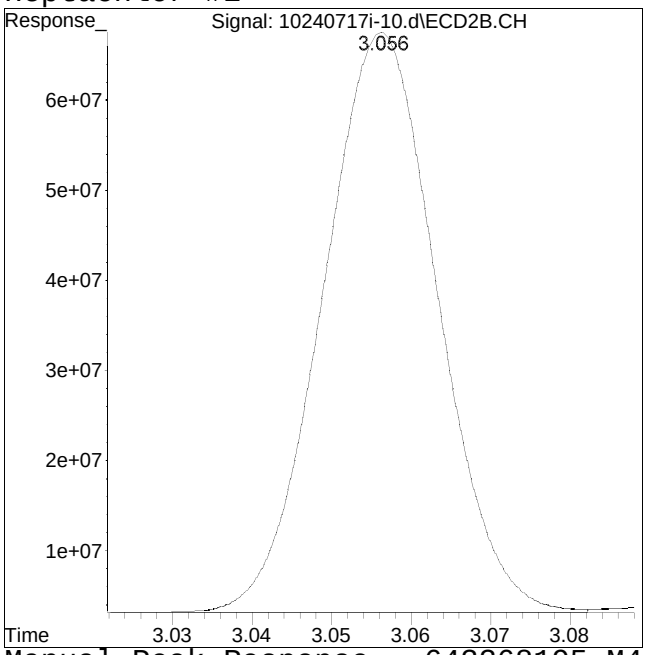
Original Peak Response = 3081333882 Manual Peak Response = 3075956620 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #46: Heptachlor #2



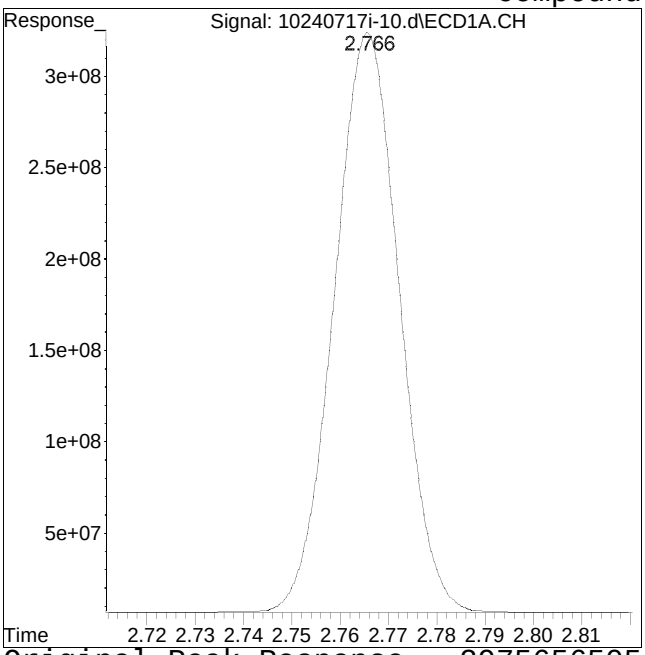


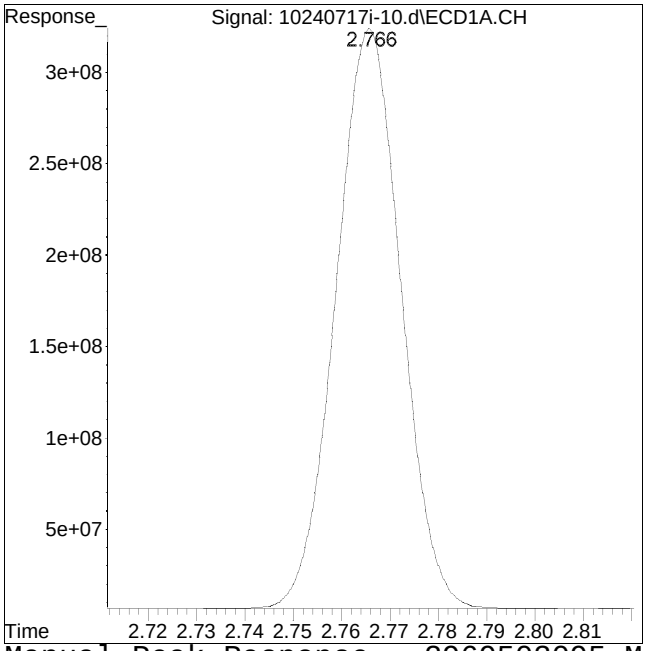
Original Peak Response = 644493936 Manual Peak Response = 643368195 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #9: Aldrin



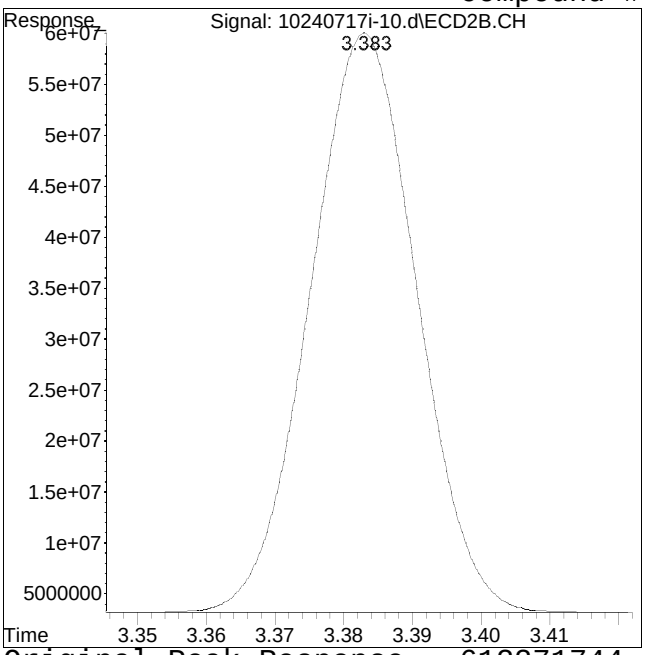


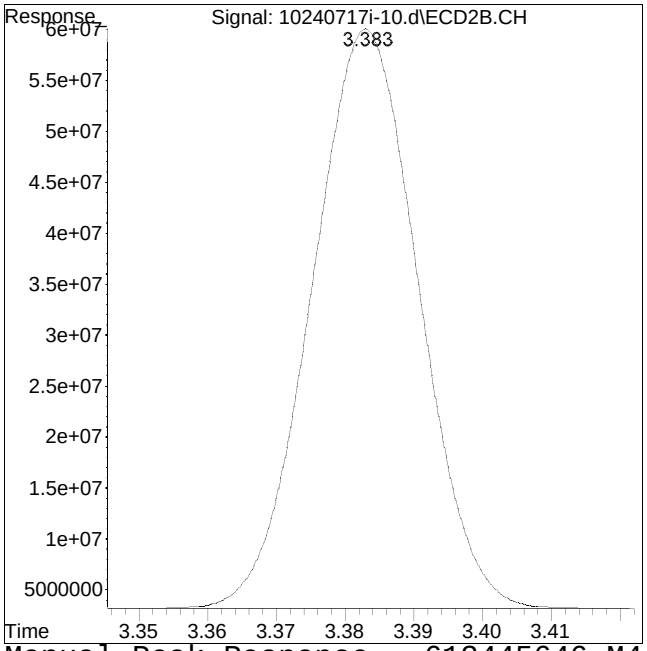
Original Peak Response = 2975656505 Manual Peak Response = 2969503095 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #47: Aldrin #2



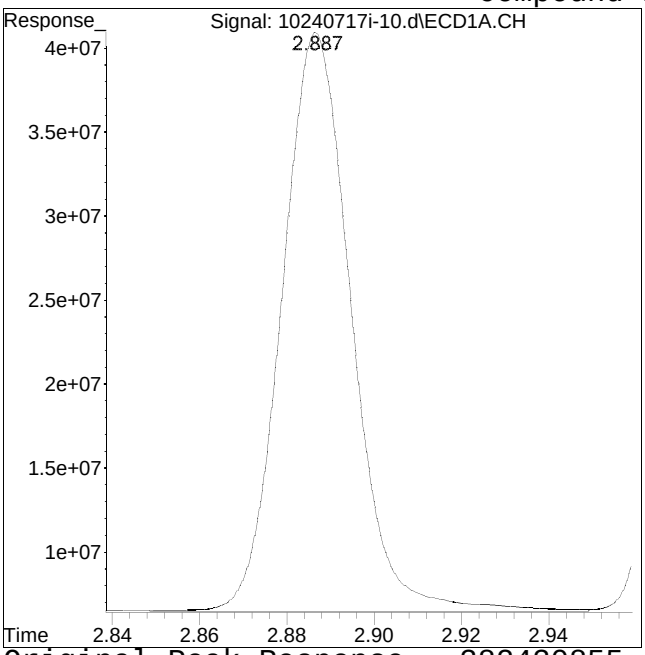


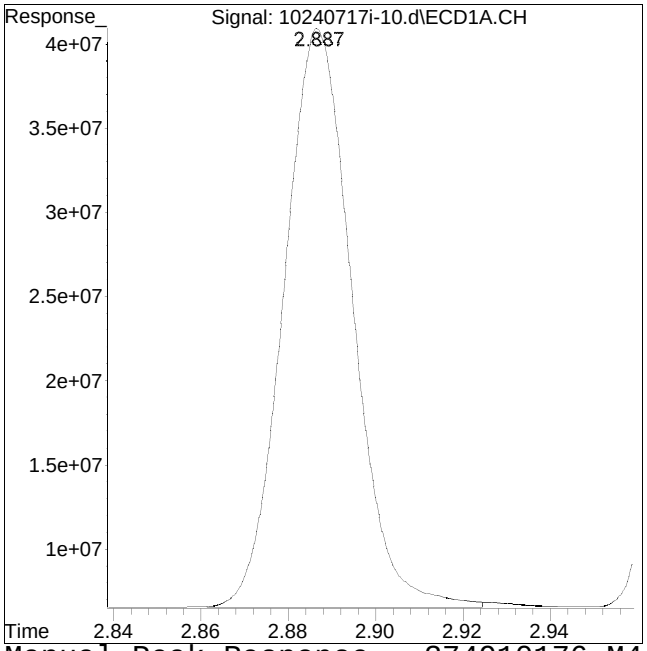
Original Peak Response = 612271744 Manual Peak Response = 612445646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #10: Alachlor



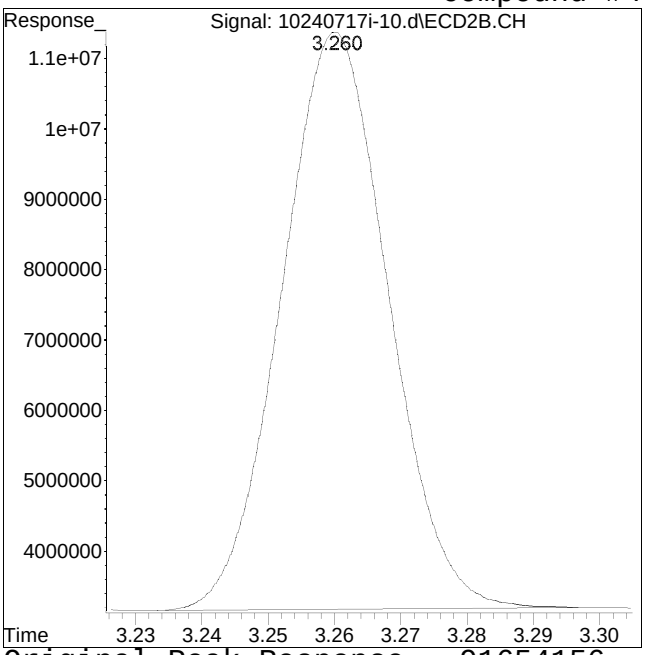


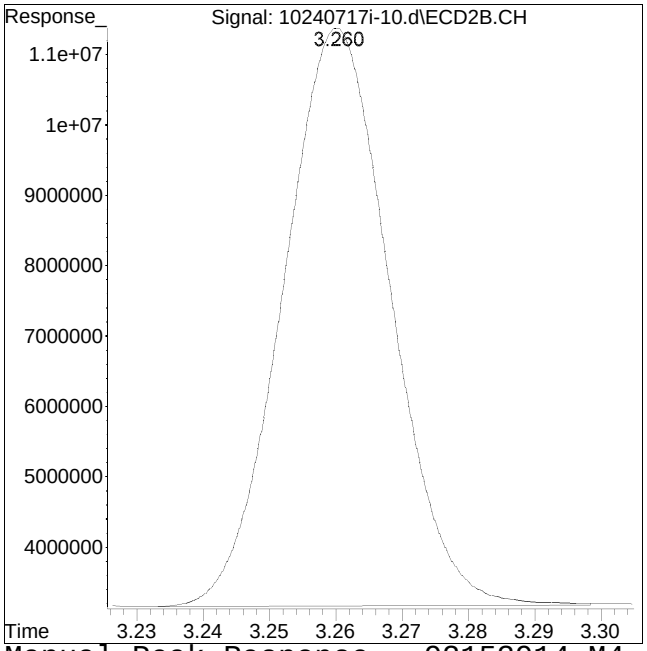
Original Peak Response = 382430855 Manual Peak Response = 374910176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #48: Alachlor #2



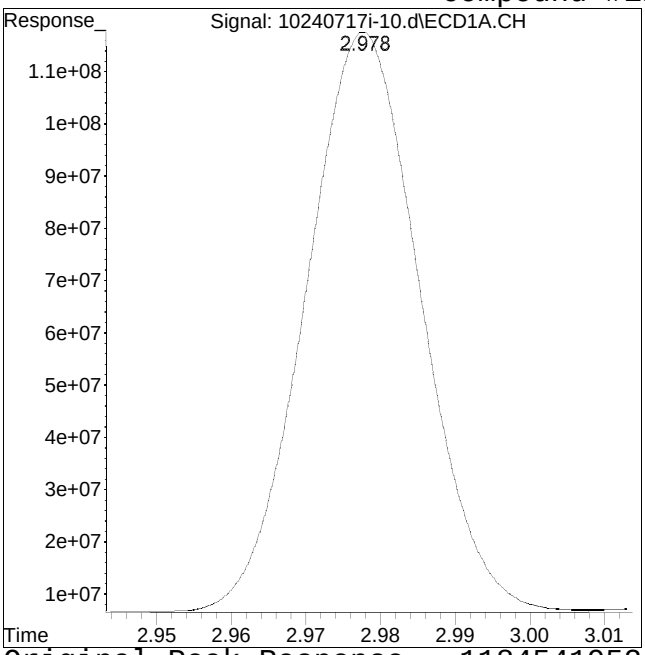


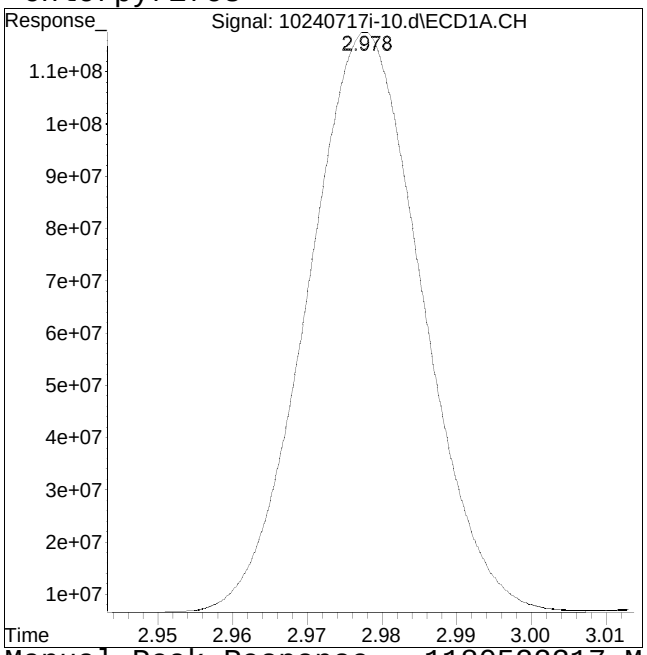
Original Peak Response = 91654156 Manual Peak Response = 92153914 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #11: Chlorpyrifos



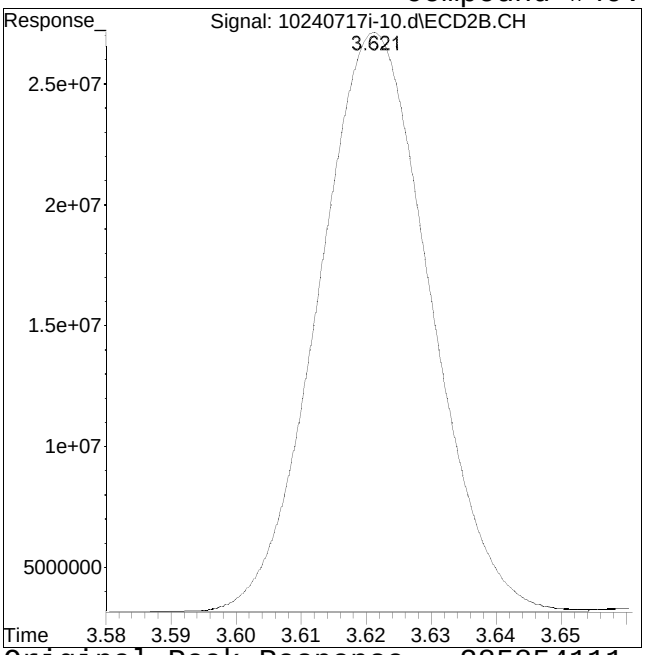


Original Peak Response = 1184541952 Manual Peak Response = 1180522317 M4
M4 = Poor automated baseline construction.

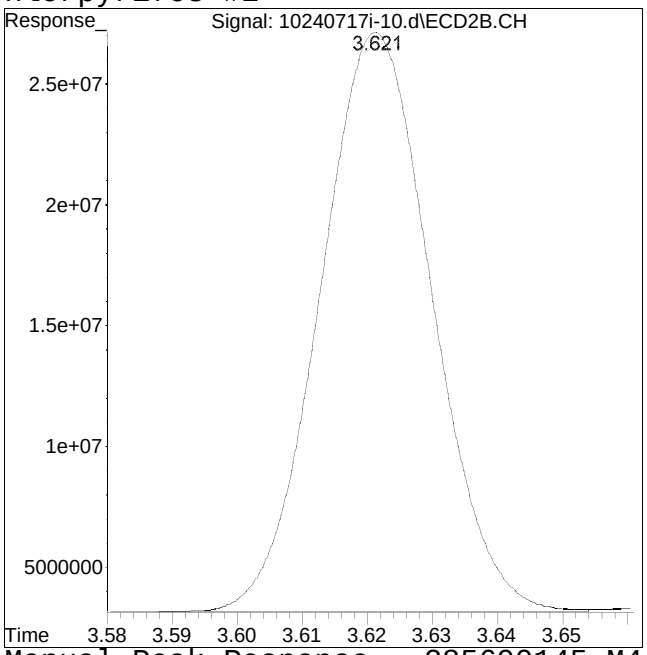
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 285854111



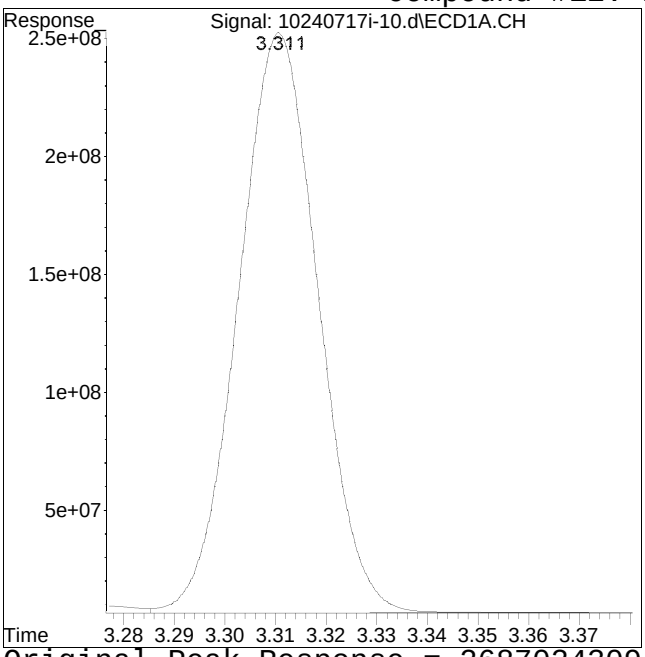
Manual Peak Response = 285690145 M4

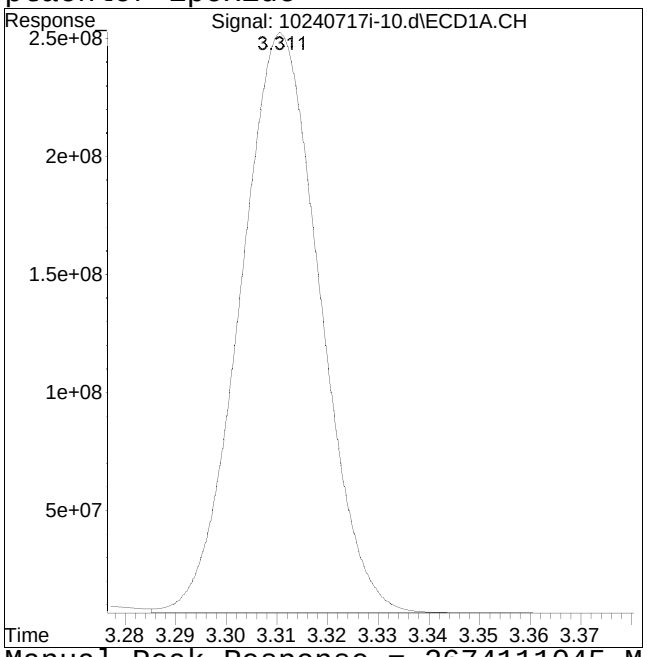
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #12: Heptachlor Epoxide



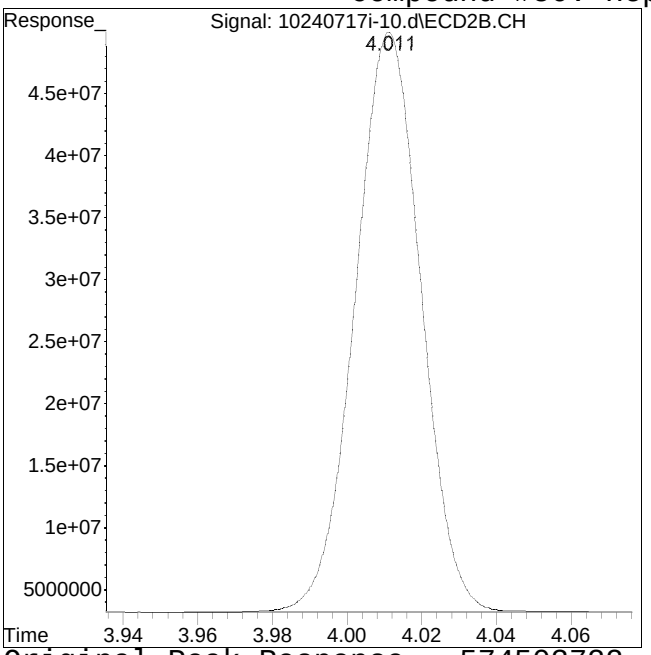


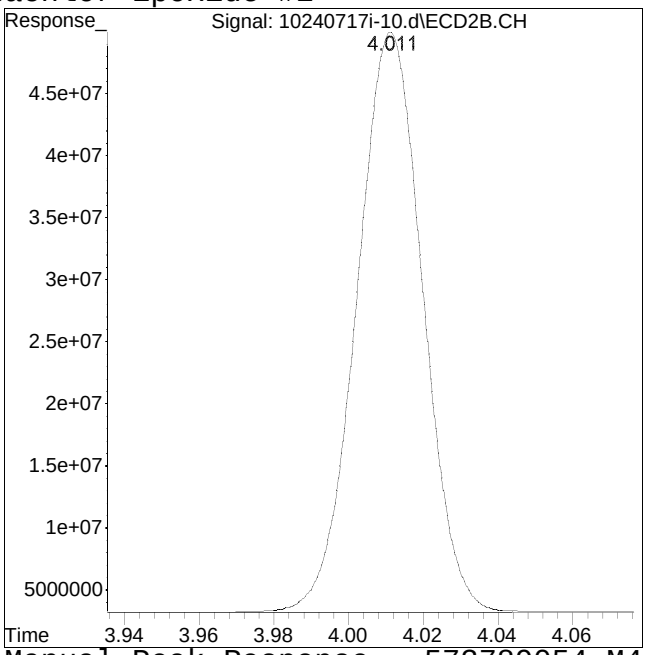
Original Peak Response = 2687024309 Manual Peak Response = 2674111045 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #50: Heptachlor Epoxide #2



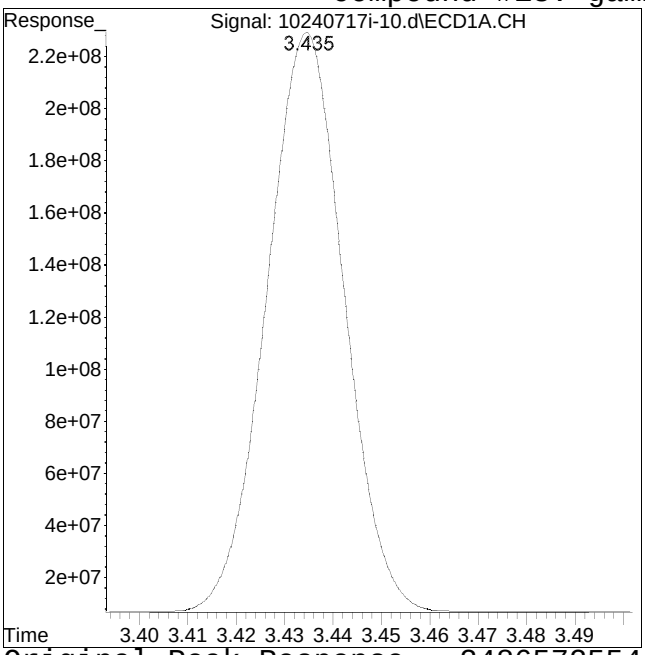


Original Peak Response = 574503722 Manual Peak Response = 573789054 M4
M4 = Poor automated baseline construction.

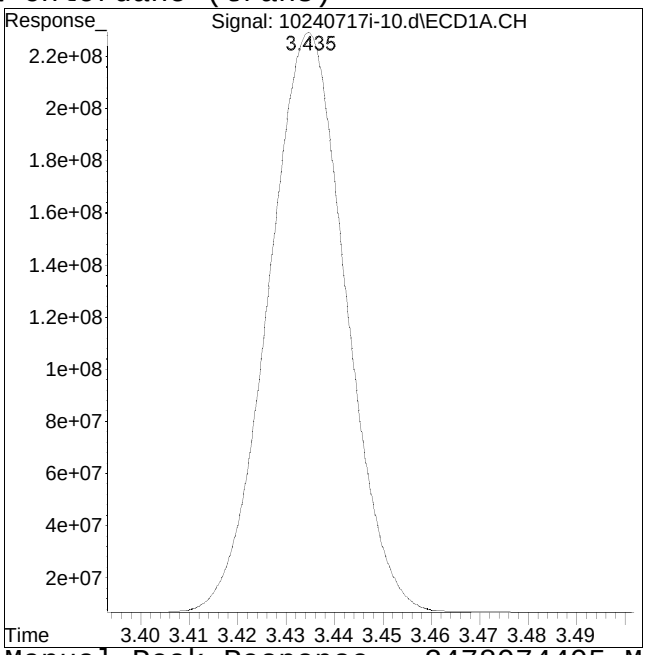
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 2486572554



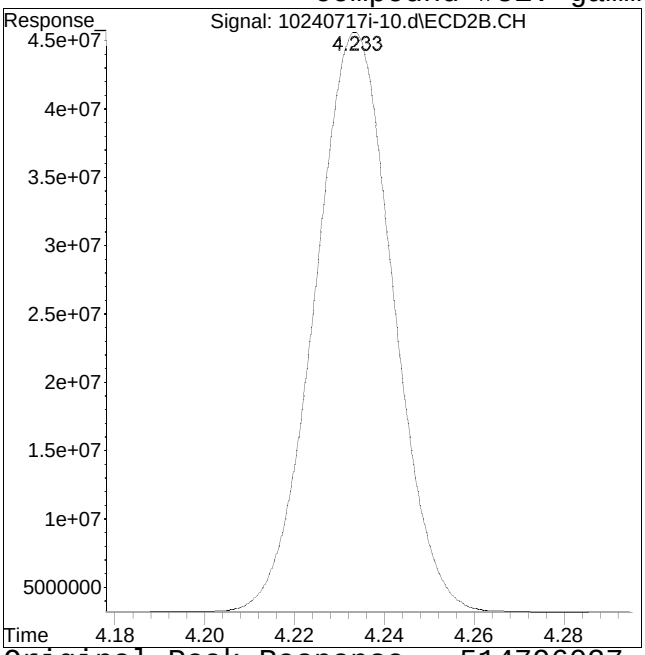
Manual Peak Response = 2478074405 M4

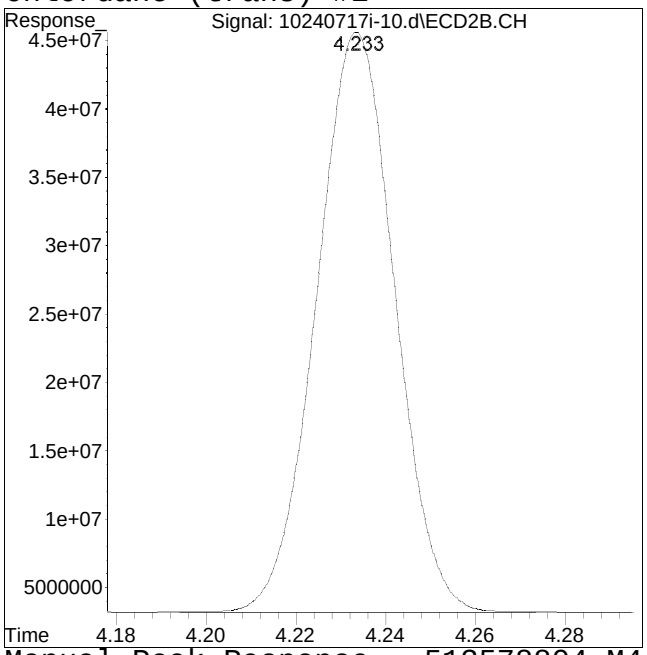
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #51: gamma-Chlordane (trans) #2



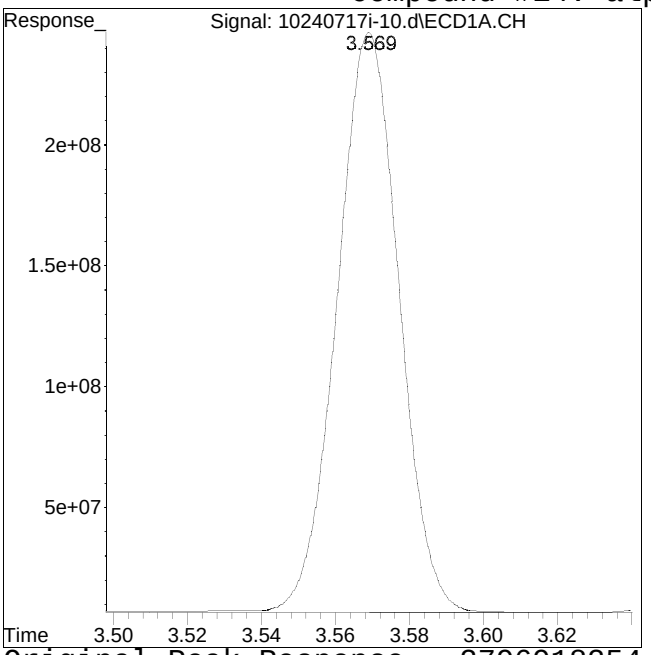


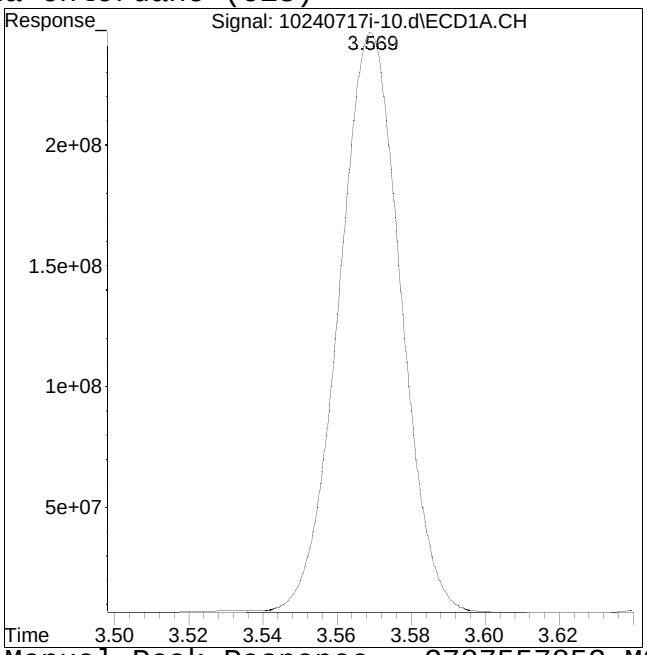
Original Peak Response = 514796027 Manual Peak Response = 513578804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #14: alpha-Chlordane (cis)



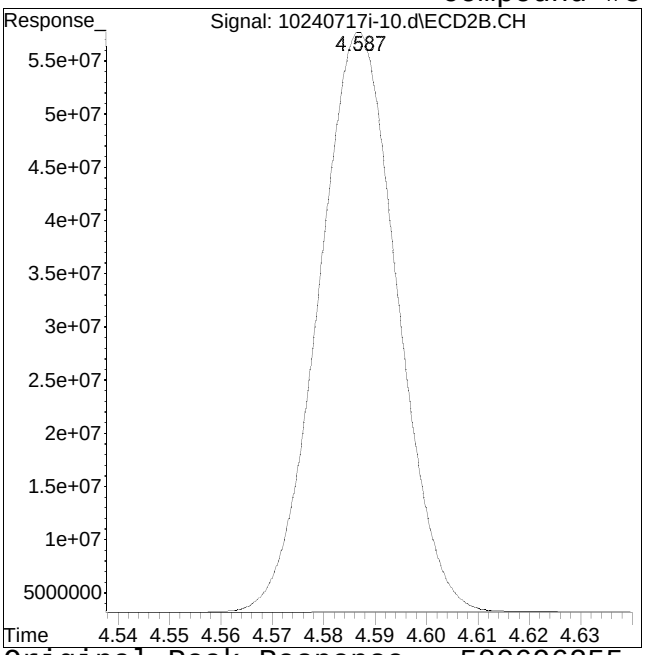


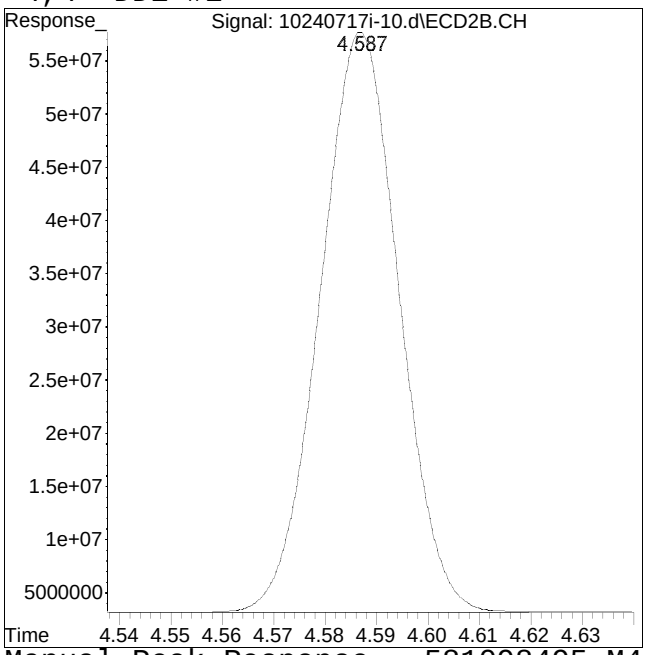
Original Peak Response = 2796918254 Manual Peak Response = 2787557853 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #53: 4,4'-DDE #2





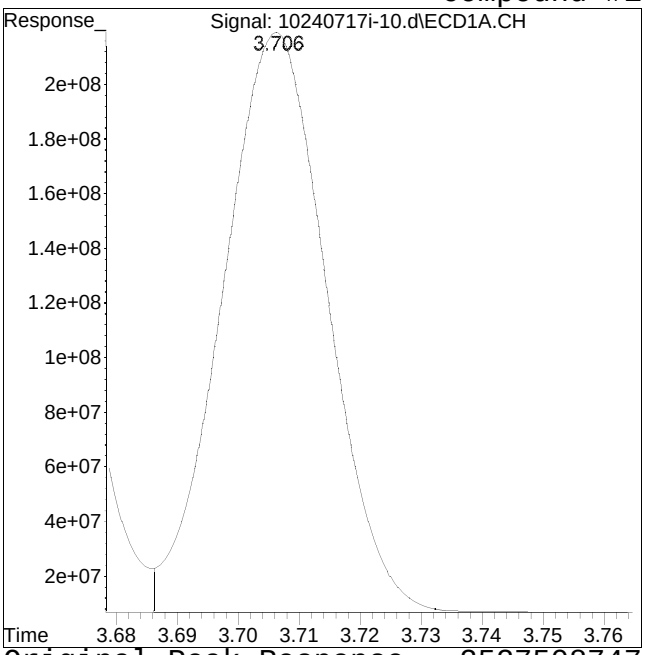
Original Peak Response = 580696255 Manual Peak Response = 581098495 M4
M4 = Poor automated baseline construction.

Manual Integration Report

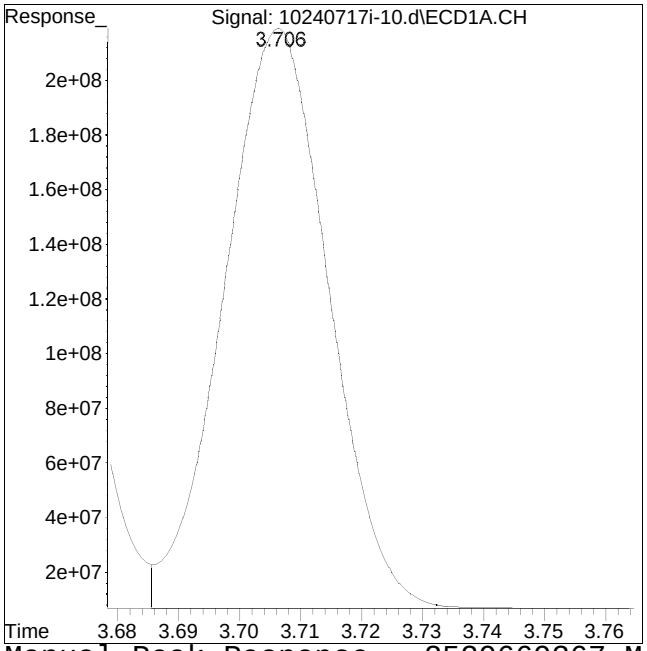
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-10.d
Date Inj'd : 7/17/2024 1:26 pm
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 7:15 am

Compound #16: Endosulfan I



Original Peak Response = 2527508747



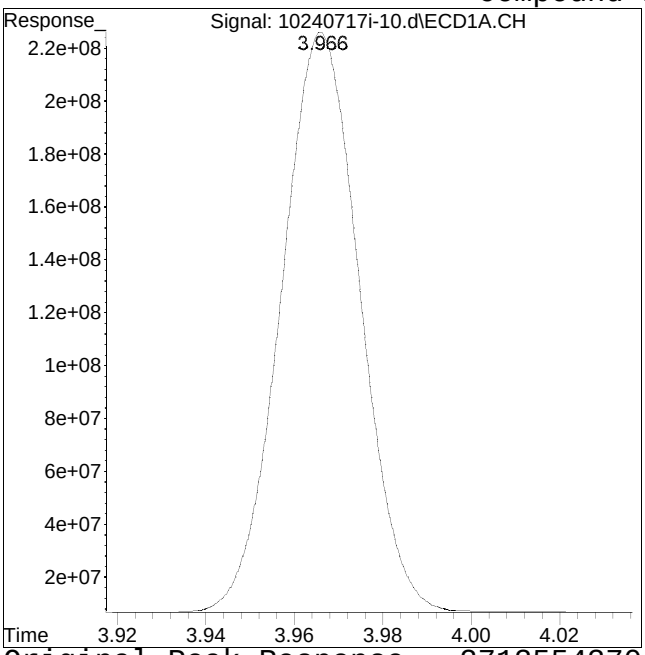
Manual Peak Response = 2529669367 M4

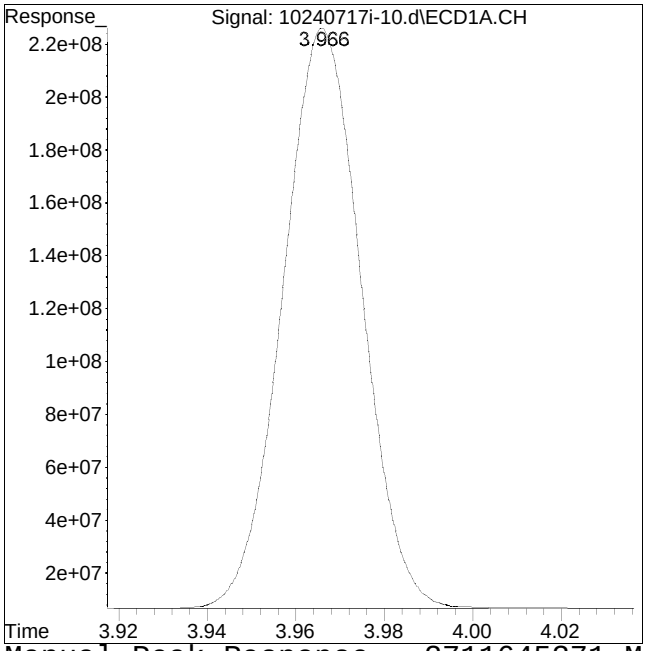
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #17: Dieldrin



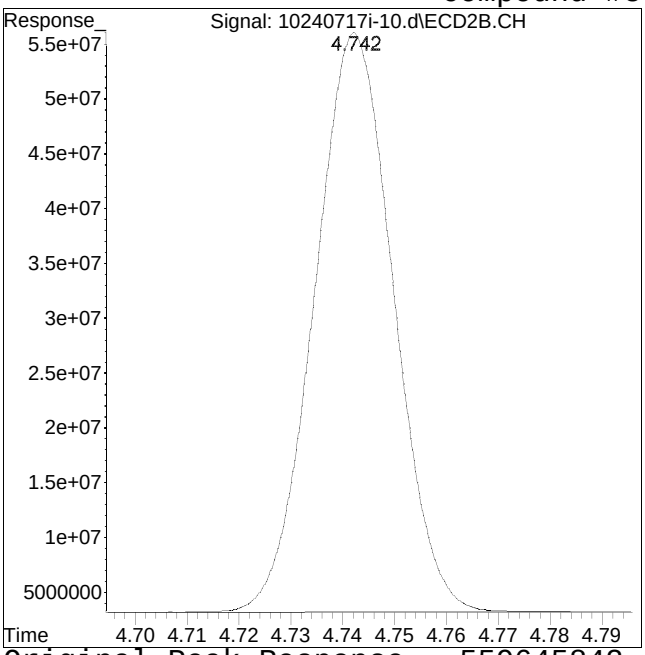


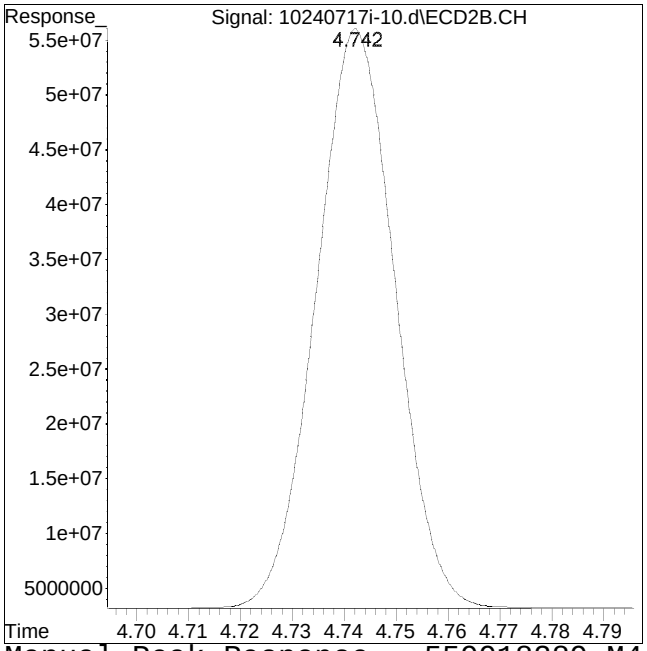
Original Peak Response = 2713554370 Manual Peak Response = 2711645371 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #55: Dieldrin #2



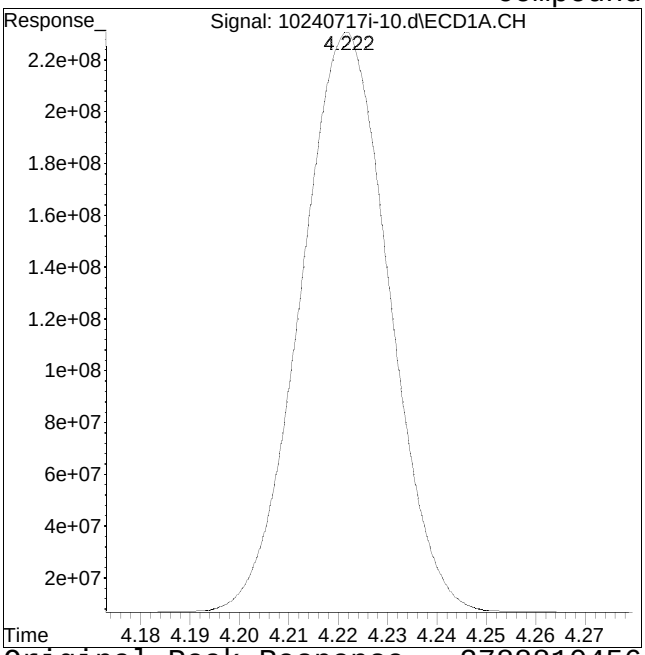


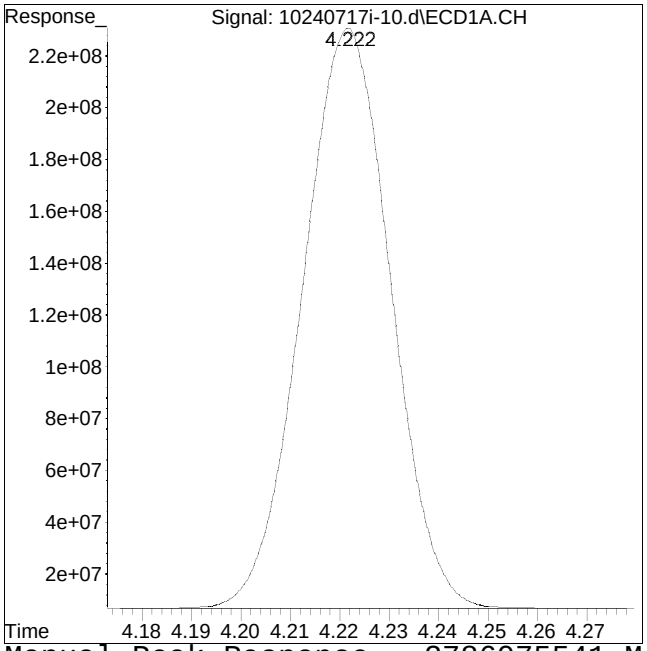
Original Peak Response = 559645842 Manual Peak Response = 559918289 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #18: Endrin



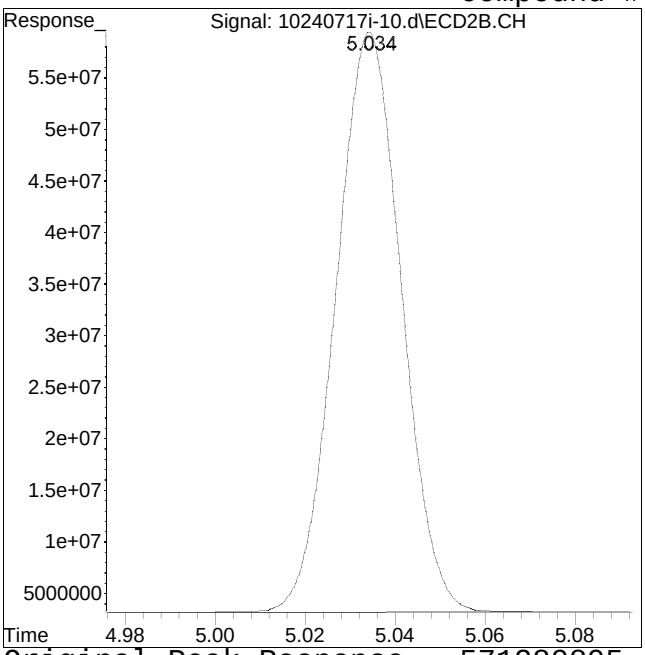


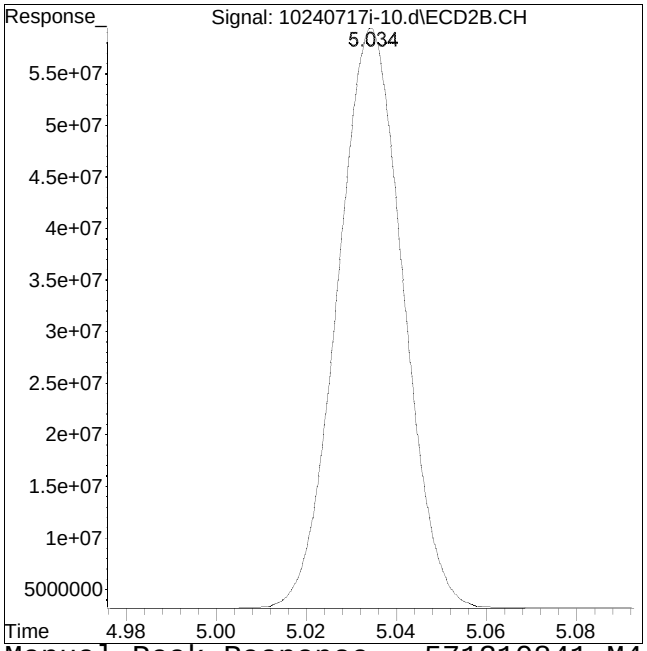
Original Peak Response = 2788810456 Manual Peak Response = 2786075541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #56: Endrin #2



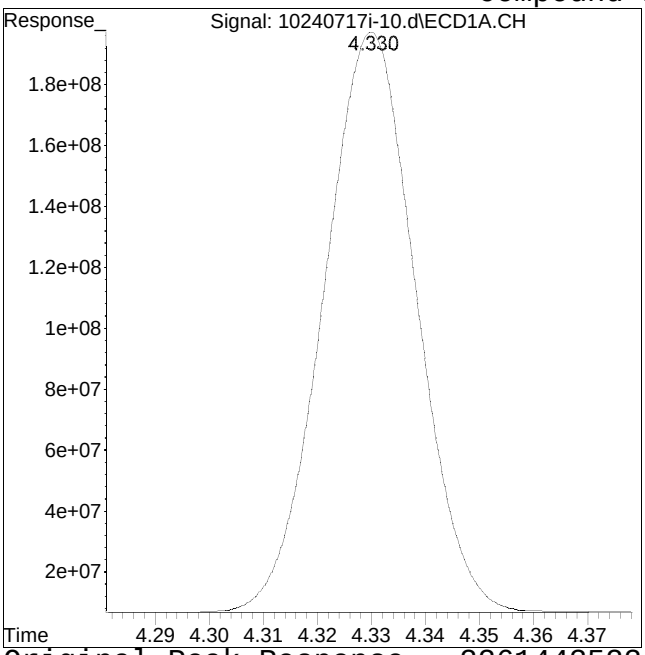


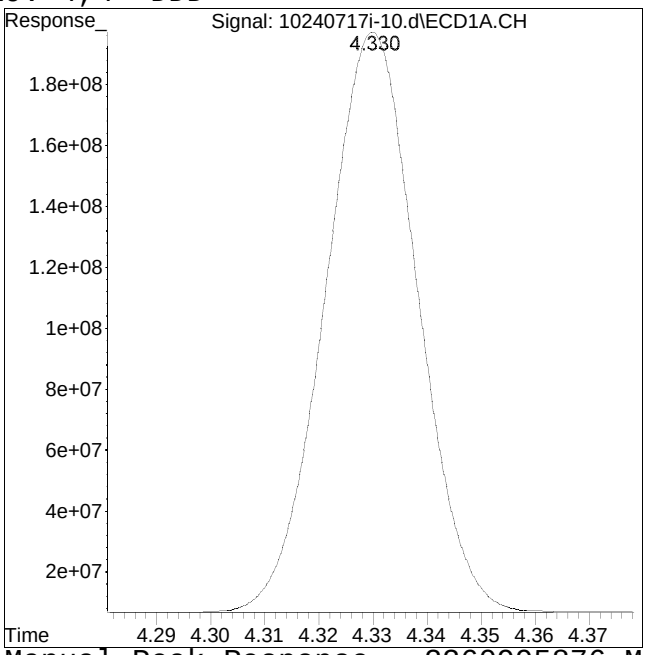
Original Peak Response = 571280895 Manual Peak Response = 571310841 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #19: 4,4'-DDD



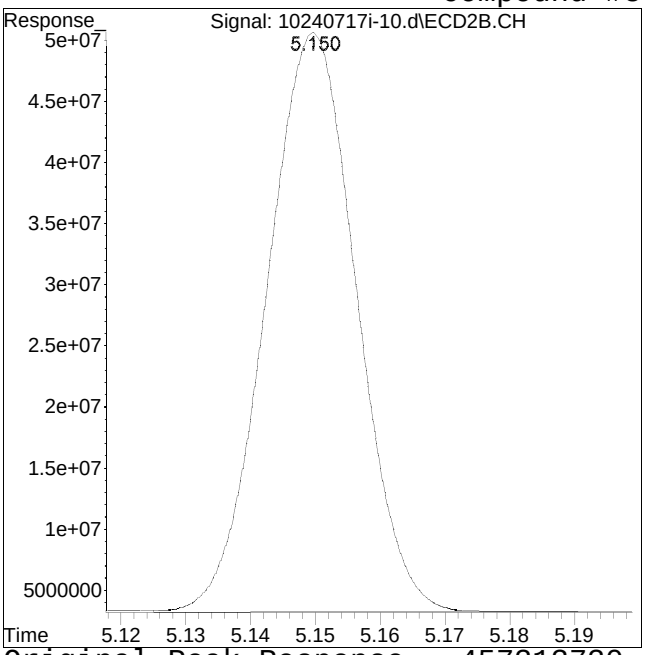


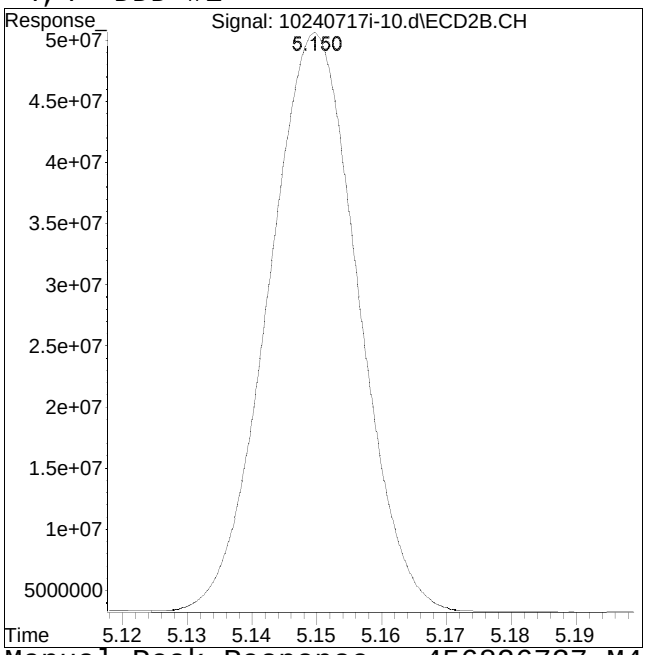
Original Peak Response = 2261443523 Manual Peak Response = 2260995876 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #57: 4,4'-DDD #2



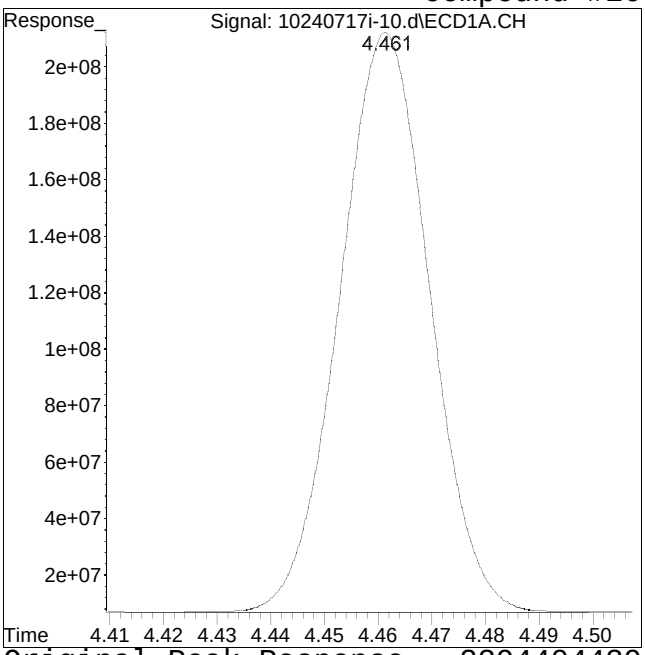


Original Peak Response = 457313730 Manual Peak Response = 456826737 M4
M4 = Poor automated baseline construction.

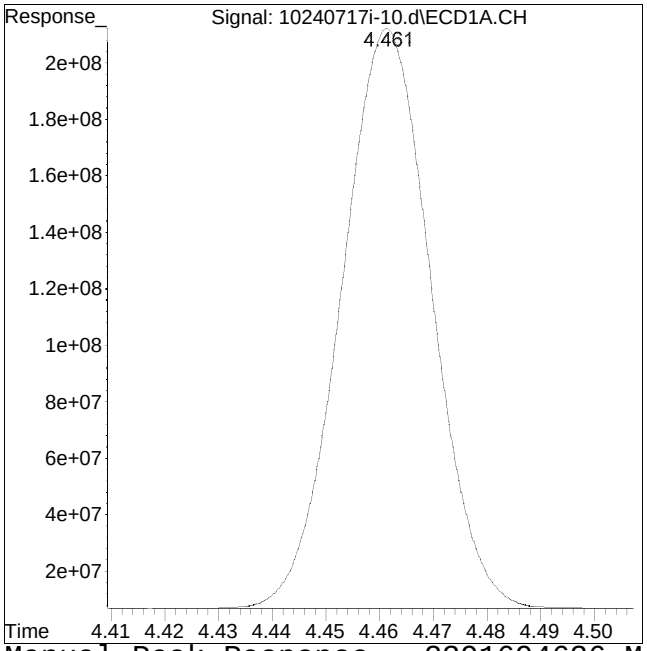
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #20: Endosulfan II



Original Peak Response = 2394404439



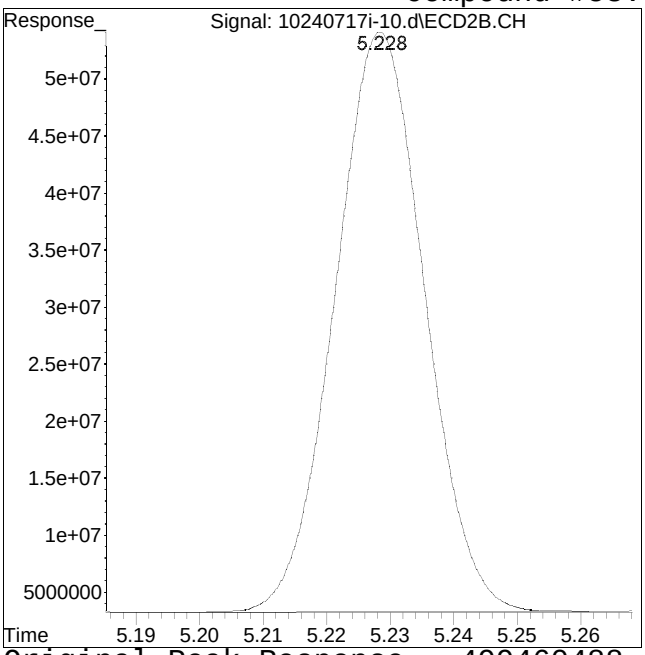
Manual Peak Response = 2391694636 M4

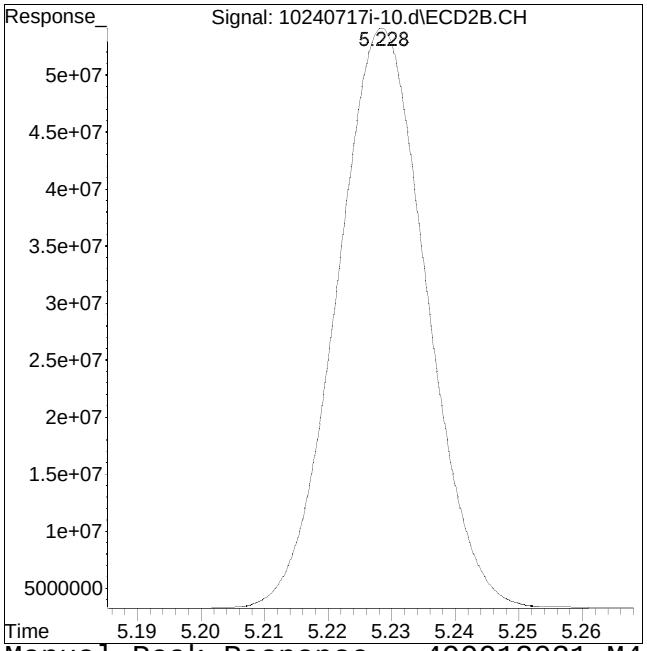
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #58: Endosulfan II #2



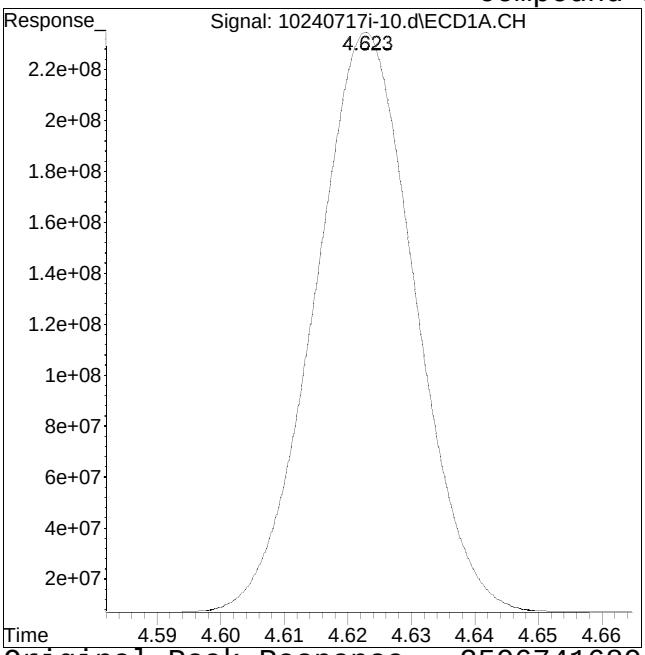


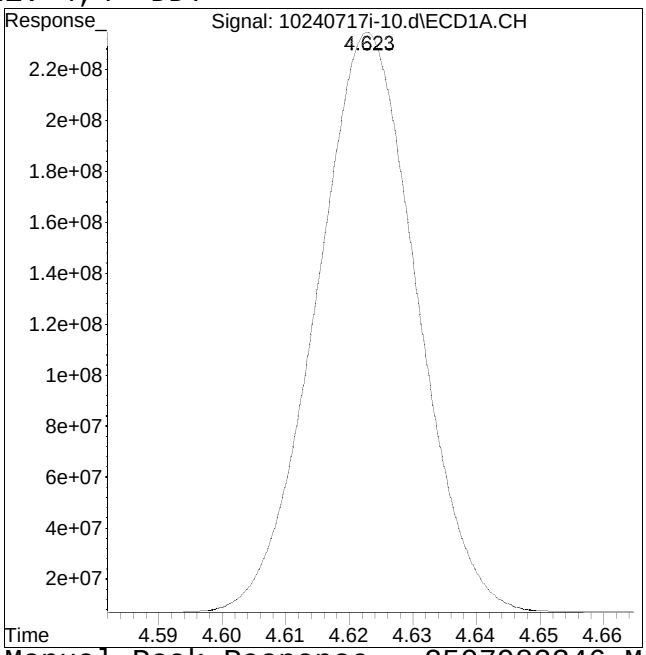
Original Peak Response = 499460488 Manual Peak Response = 499912031 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #21: 4,4'-DDT



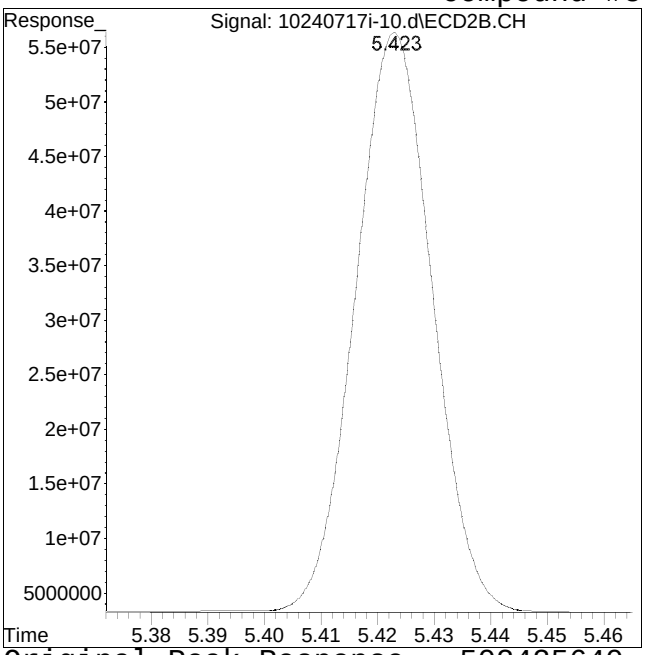


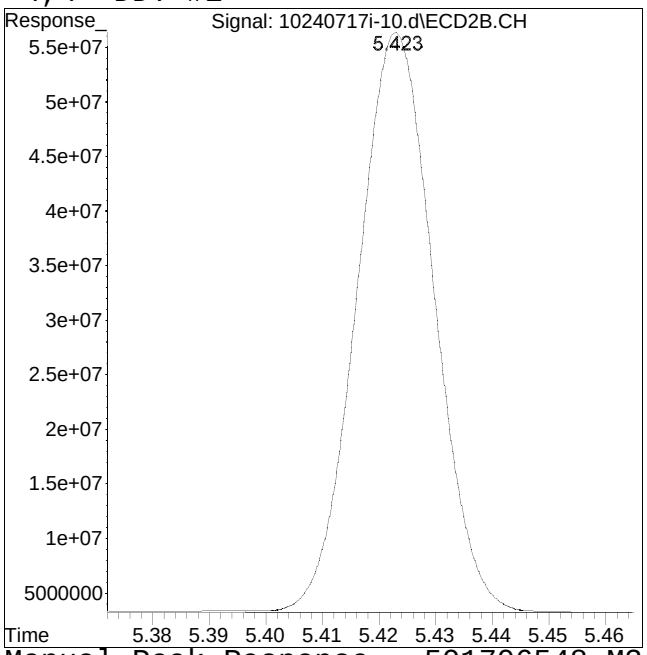
Original Peak Response = 2506741689 Manual Peak Response = 2507982346 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #59: 4,4'-DDT #2



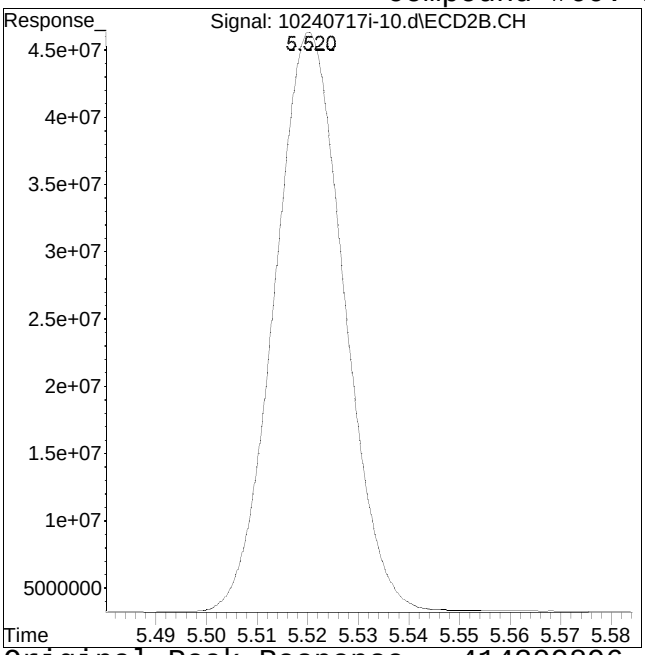


Original Peak Response = 502425640 Manual Peak Response = 501706548 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

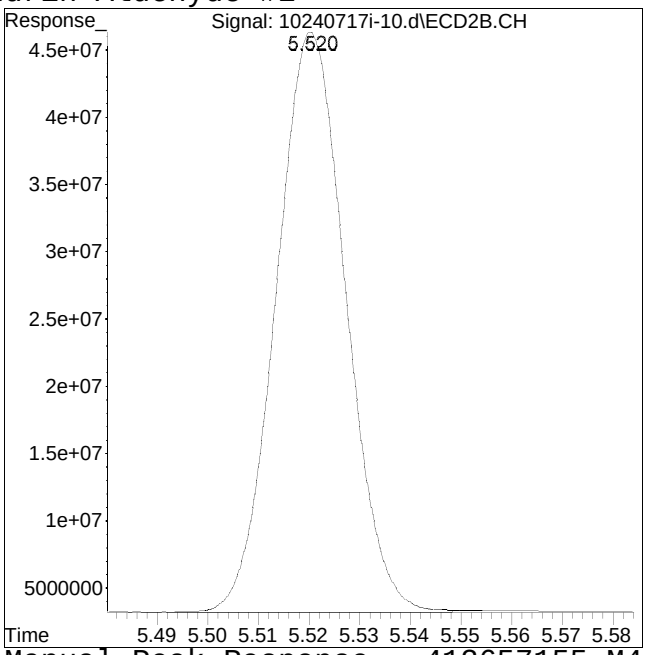
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 414309896

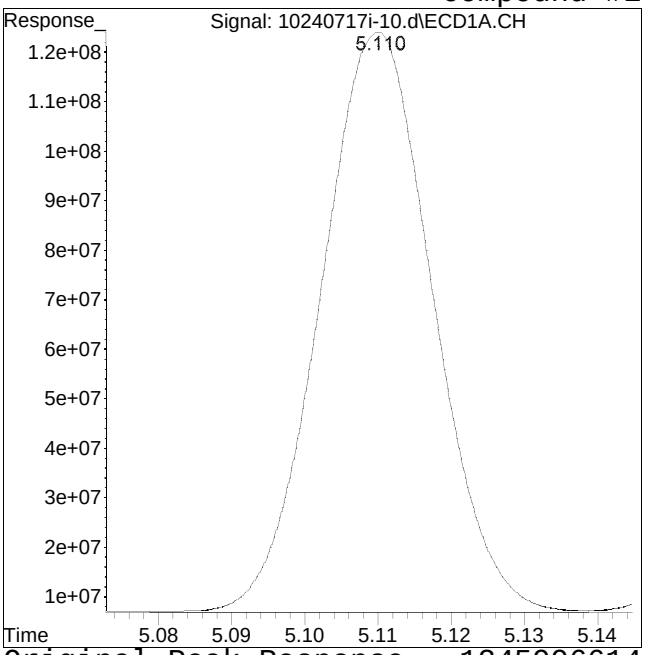


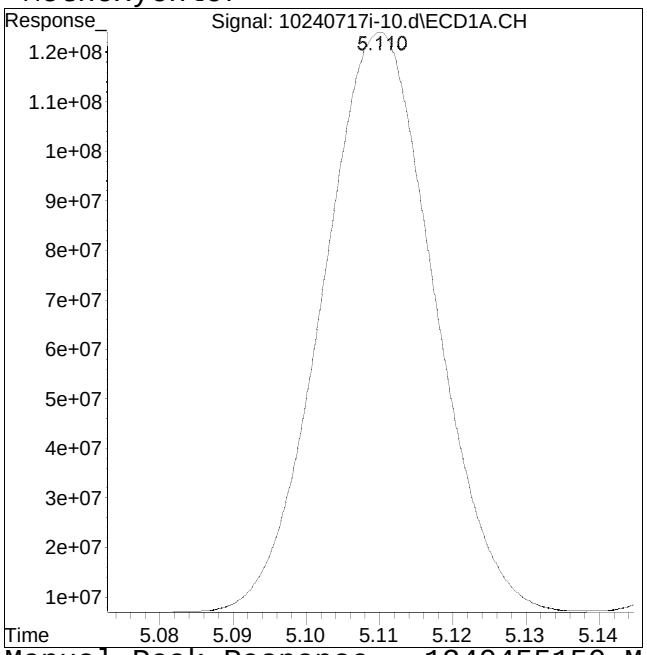
Manual Peak Response = 412657155 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #23: Methoxychlor



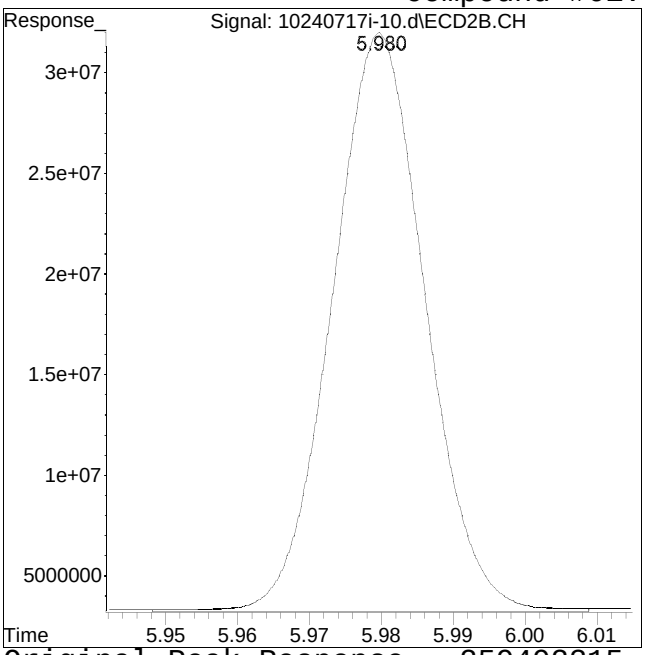


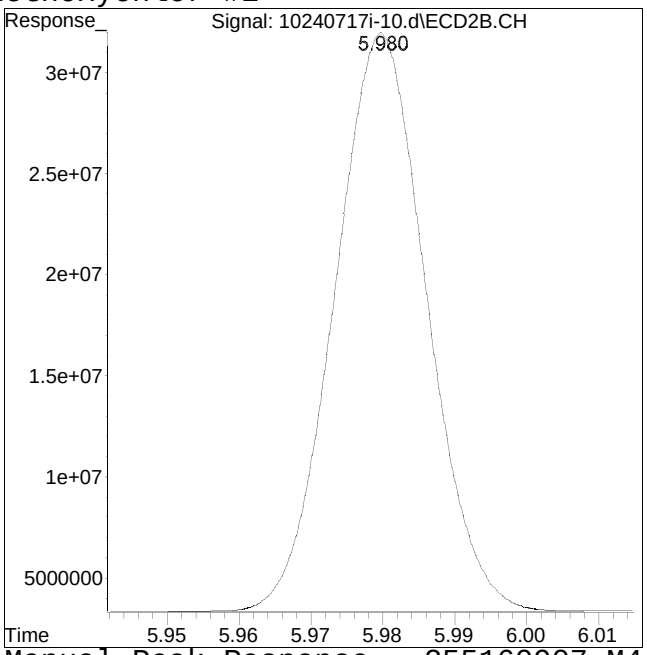
Original Peak Response = 1245996614 Manual Peak Response = 1240455150 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #61: Methoxychlor #2



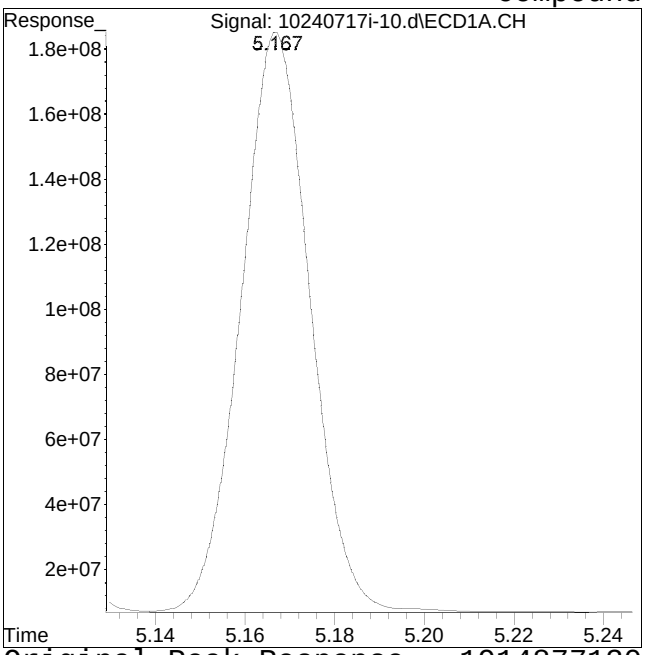


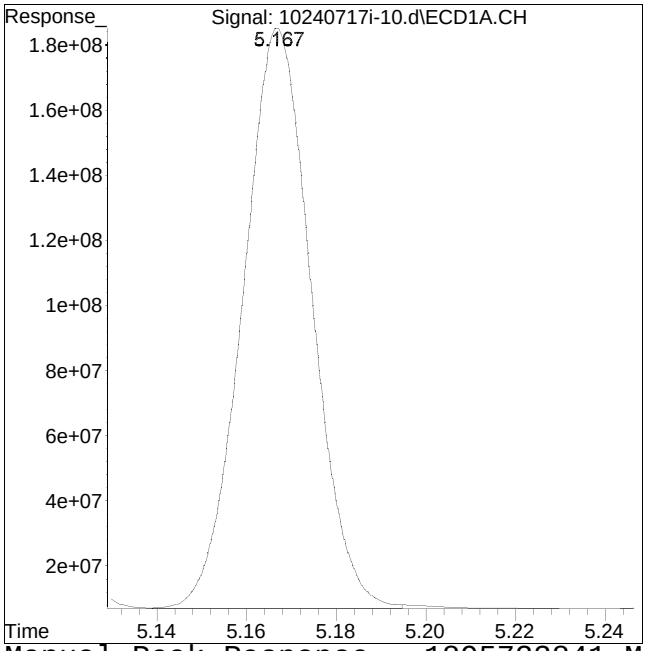
Original Peak Response = 259492315 Manual Peak Response = 255160907 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #24: Mirex



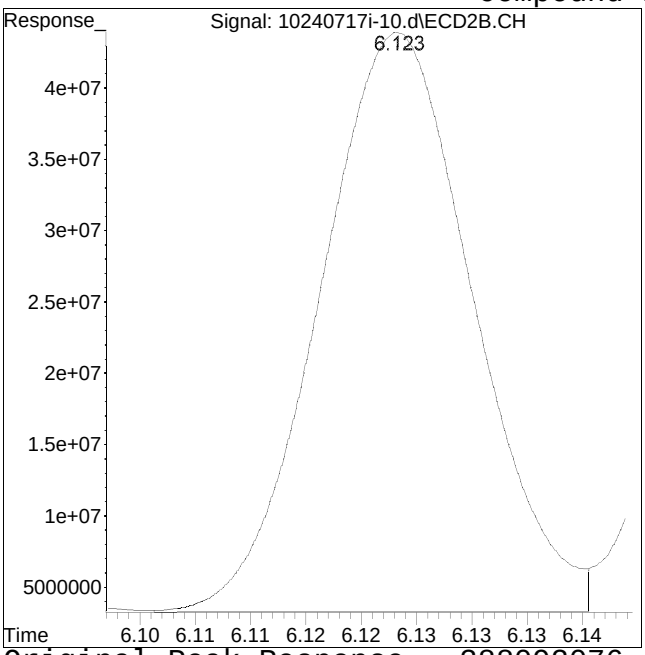


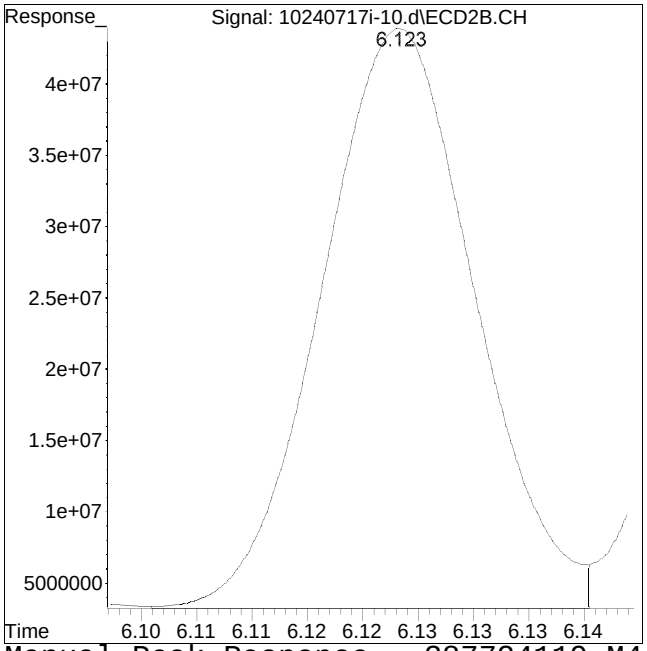
Original Peak Response = 1914877130 Manual Peak Response = 1895733841 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #62: Mirex #2



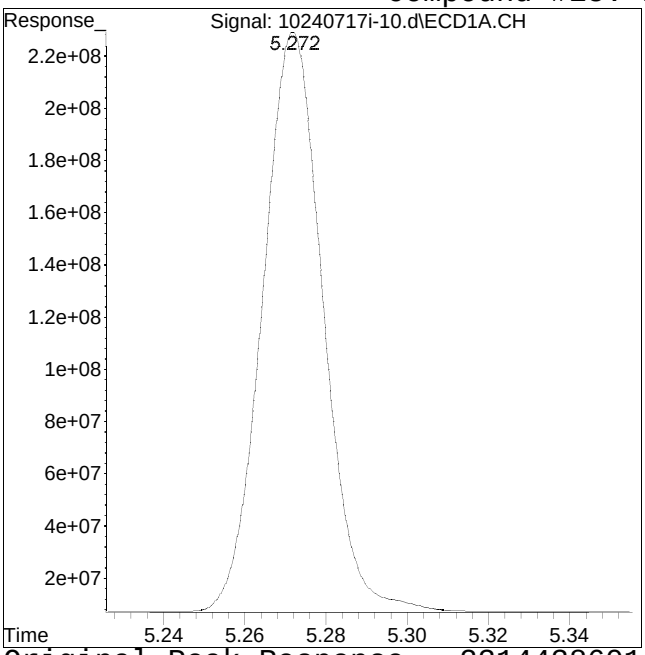


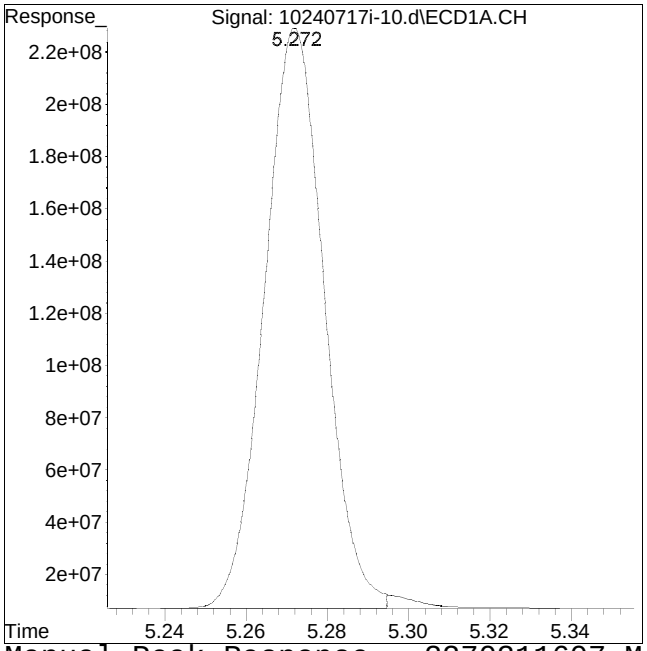
Original Peak Response = 388092076 Manual Peak Response = 387724119 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #25: Endosulfan Sulfate



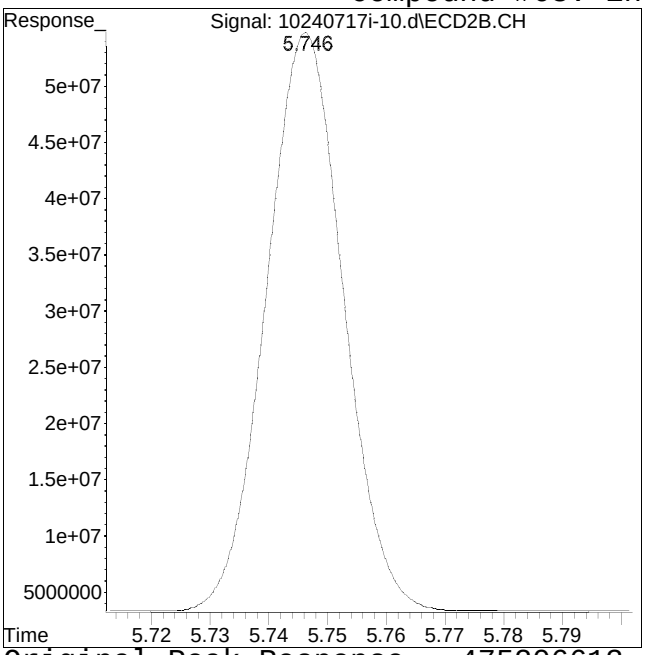


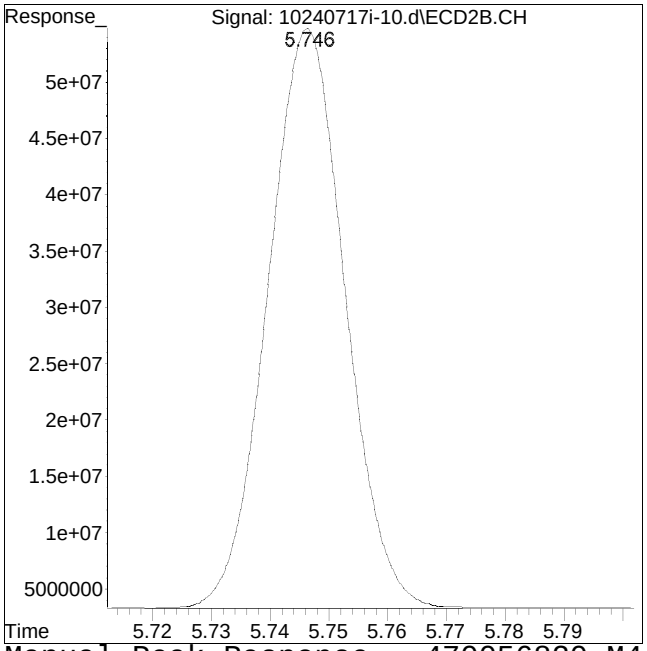
Original Peak Response = 2314438601 Manual Peak Response = 2270311607 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #63: Endosulfan Sulfate #2



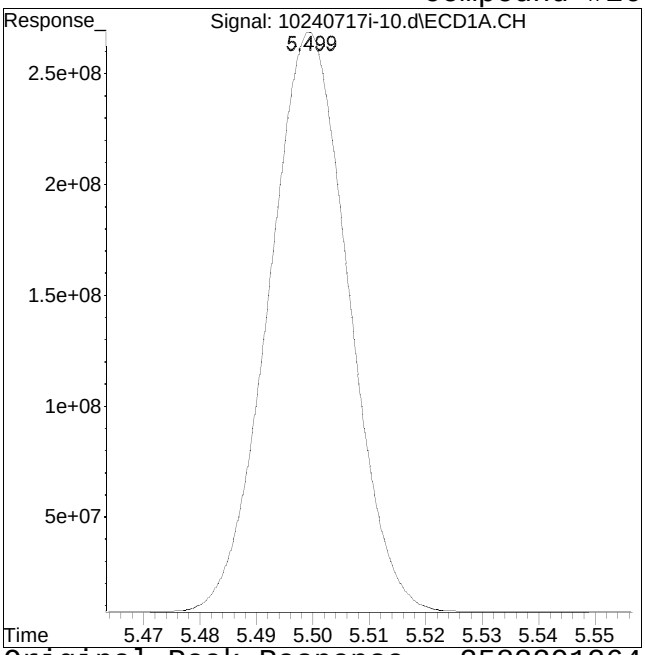


Original Peak Response = 475206613 Manual Peak Response = 470056820 M4
M4 = Poor automated baseline construction.

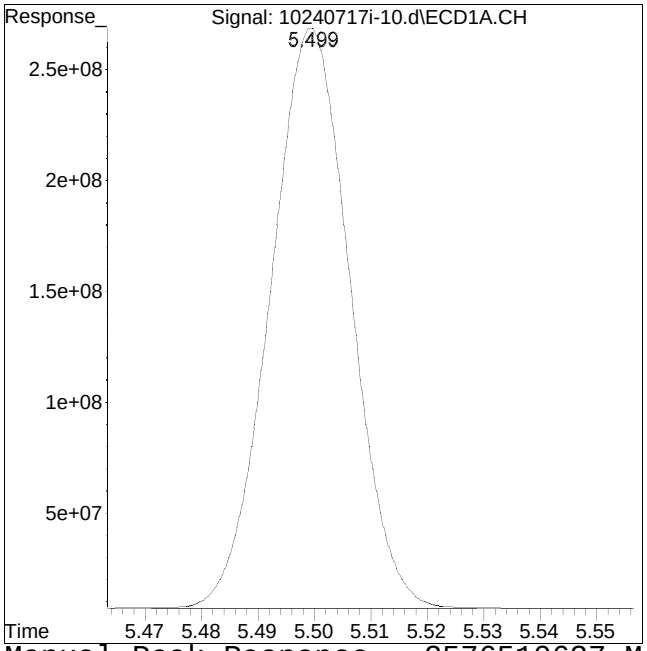
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #26: Endrin Ketone



Original Peak Response = 2583291264



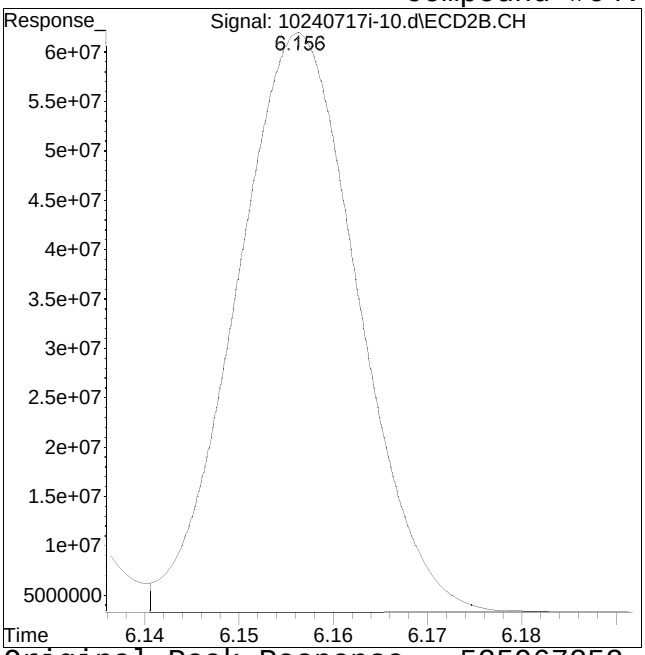
Manual Peak Response = 2576510637 M4

M4 = Poor automated baseline construction.

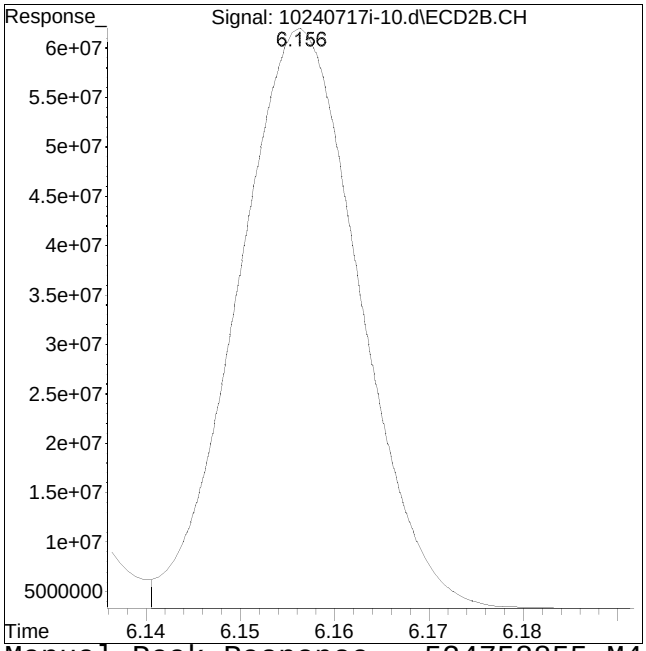
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #64: Endrin Ketone #2



Original Peak Response = 525967252



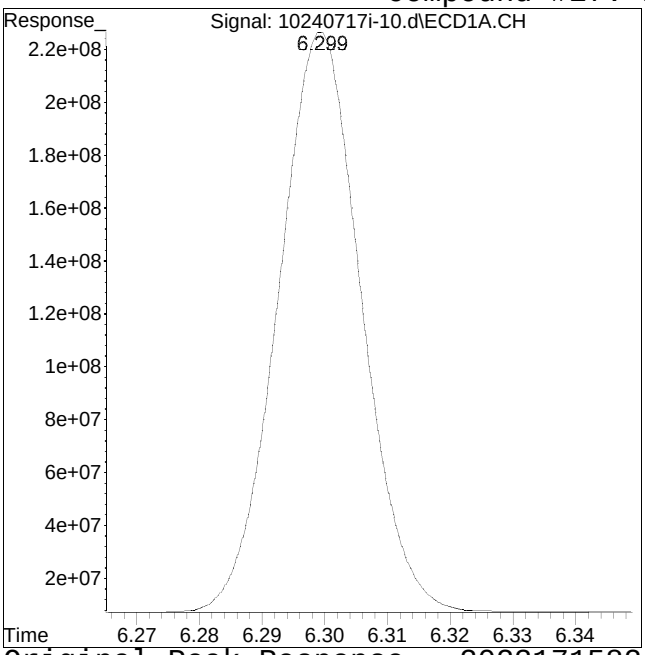
Manual Peak Response = 524758855 M4

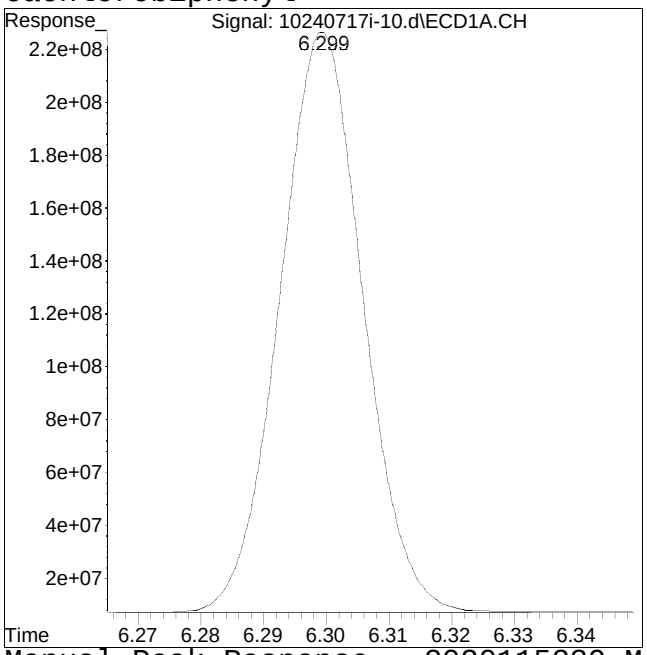
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #27: Decachlorobiphenyl



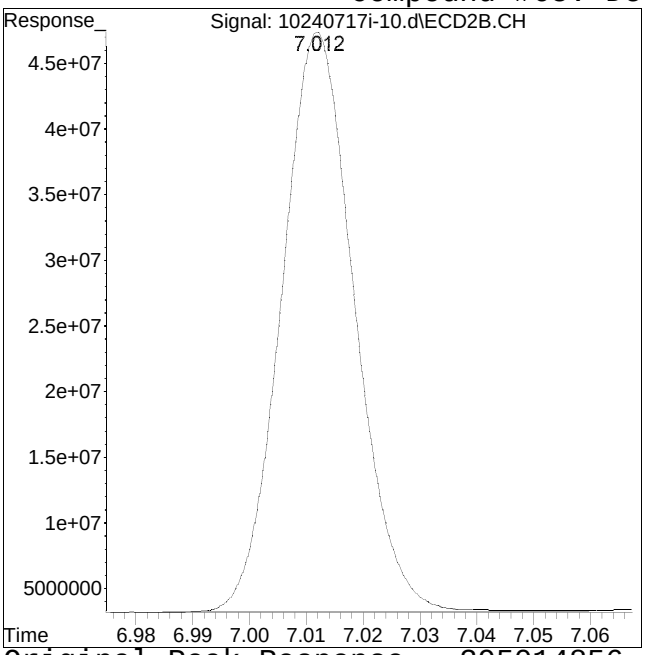


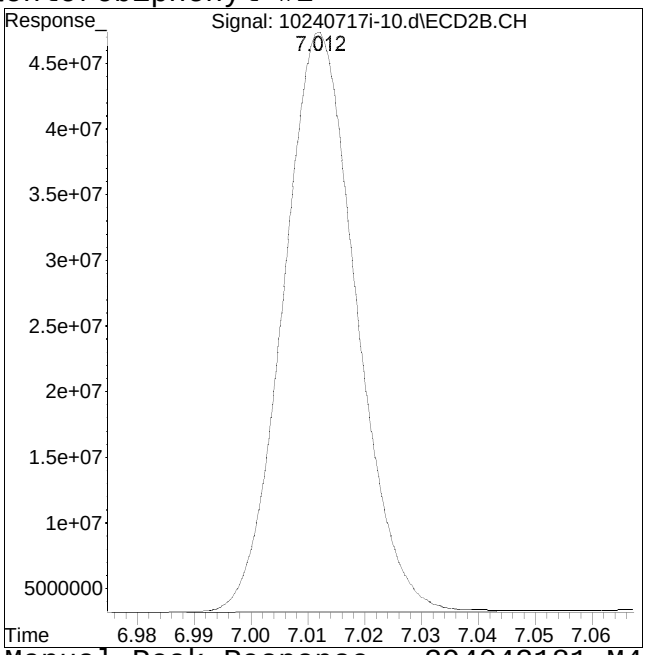
Original Peak Response = 2023171582 Manual Peak Response = 2020115239 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-10.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:26 pm Instrument : Pest 10
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/18/2024 7:15 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 395014856 Manual Peak Response = 394042181 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:37 pm
Operator : PEST10:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:31:03 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:30:53 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.319	1.435	520.4E6	119.8E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.663	1.926	5065.6E6	1036.2E6	206.653M4	199.367
	Spiked Amount 50.000	Range 30 - 150		Recovery =		413.31%#	398.73%#
27) s	Decachlorobi	6.300	7.015	4641.9E6	873.9E6	208.464M4	198.754M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		416.93%#	397.51%#
	Target Compounds						
3) t	Hexachlorobe	1.877	2.257	5321.1E6	1093.7E6	208.023M4	198.293
4) t	alpha-BHC	1.976	2.355	8344.8E6	1637.3E6	213.457M4	204.917M4
5) t	gamma-BHC (l	2.179	2.649	7472.9E6	1477.2E6	212.874M3	203.467M4
6) t	beta-BHC	2.234	2.713	2881.6E6	608.4E6	209.663M4	199.128M3
7) t	delta-BHC	2.363	2.988	7744.2E6	1544.7E6	214.442M4	206.688M4
8) t	Heptachlor	2.525	3.056	6695.9E6	1381.4E6	206.518M4	201.343M4
9) t	Aldrin	2.768	3.383	6631.7E6	1341.1E6	210.481M4	204.618M4
10) t	Alachlor	2.889	3.260	738.1E6	185.5E6	186.921M4	188.155M4
11) t	Chlorpyrifos	2.980	3.622	2442.9E6	587.1E6	194.285M4	191.009

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:37 pm
Operator : PEST10:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:31:03 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:30:53 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.313	4.012	5789.2E6	1233.5E6	204.460M4	200.539M4
13)	t	gamma-Chlord	3.437	4.234	5553.5E6	1135.8E6	210.216M4	204.970M4
14)	t	alpha-Chlord	3.572	4.399	6206.0E6	1271.0E6	208.973M4	203.217M4
15)	t	4,4'-DDE	3.668	4.587	6391.7E6	1312.1E6	209.866M4	207.400M4
16)	t	Endosulfan I	3.709	4.459	5447.4E6	1171.1E6	203.507M4	201.566M4
17)	t	Dieldrin	3.969	4.743	5965.8E6	1231.7E6	206.950M4	203.753M4
18)	t	Endrin	4.224	5.035	6069.0E6	1241.4E6	205.163M4	201.043M4
19)	t	4,4'-DDD	4.332	5.150	5139.1E6	1026.4E6	210.979M4	205.789M4
20)	t	Endosulfan I	4.463	5.229	5207.9E6	1079.1E6	204.414M4	199.484M4
21)	t	4,4'-DDT	4.625	5.424	5737.7E6	1129.4E6	210.885M4	205.642M4
22)	t	Endrin Aldeh	4.881	5.521	4259.8E6	896.0E6	203.439M4	199.468M4
23)	t	Methoxychlor	5.112	5.981	2660.8E6	552.5E6	198.261M4	196.581M4
24)	t	Mirex	5.169	6.125	4259.6E6	842.2E6	206.485M4	196.707
25)	t	Endosulfan S	5.273	5.747	4970.5E6	1024.7E6	204.293M4	200.735M4
26)	t	Endrin Keton	5.501	6.157	5509.3E6	1129.4E6	200.606M4	198.045M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:37 pm
Operator : PEST10:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:31:03 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:30:53 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

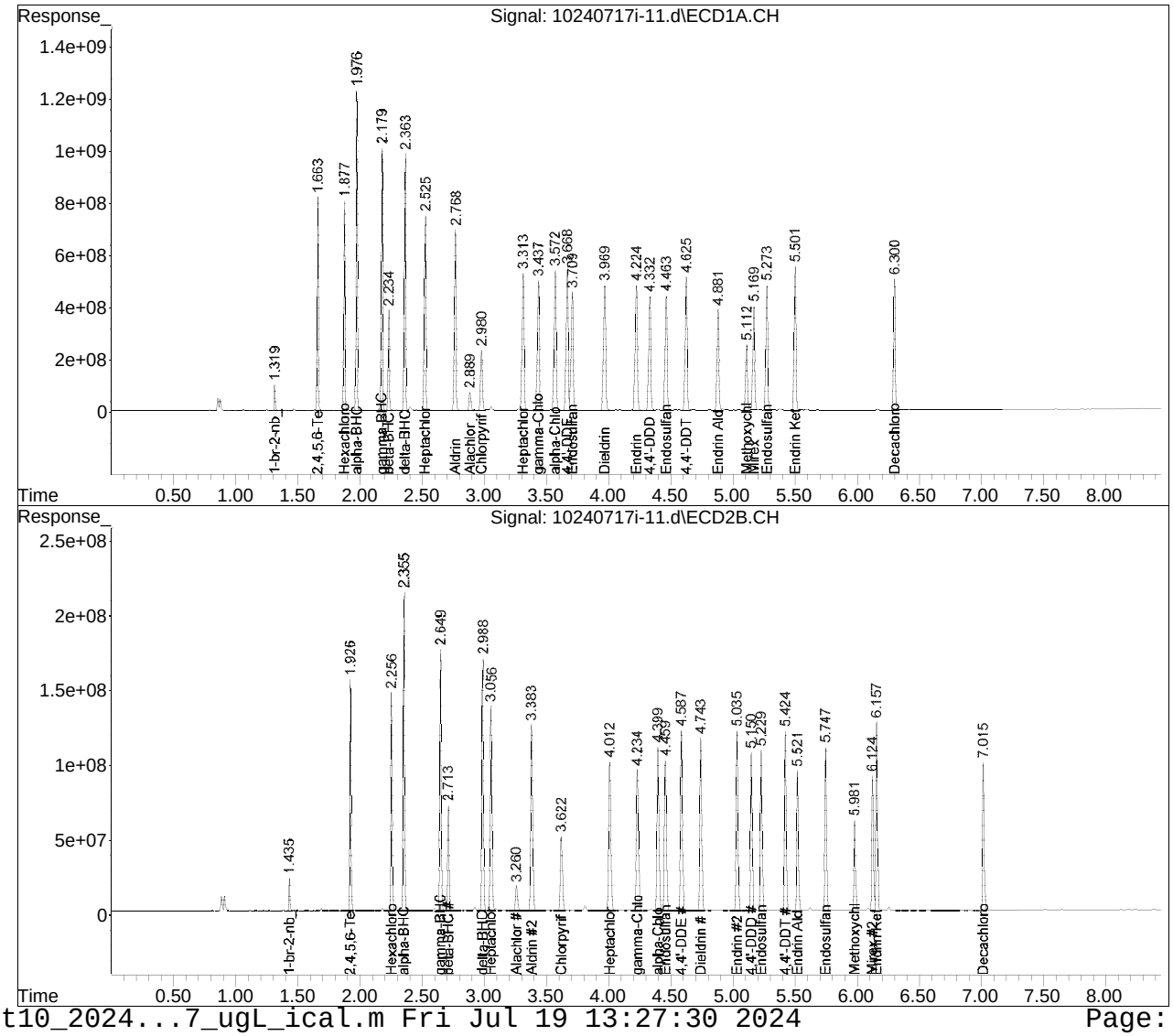
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:37 pm
Operator : PEST10:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 07:31:03 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 07:30:53 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

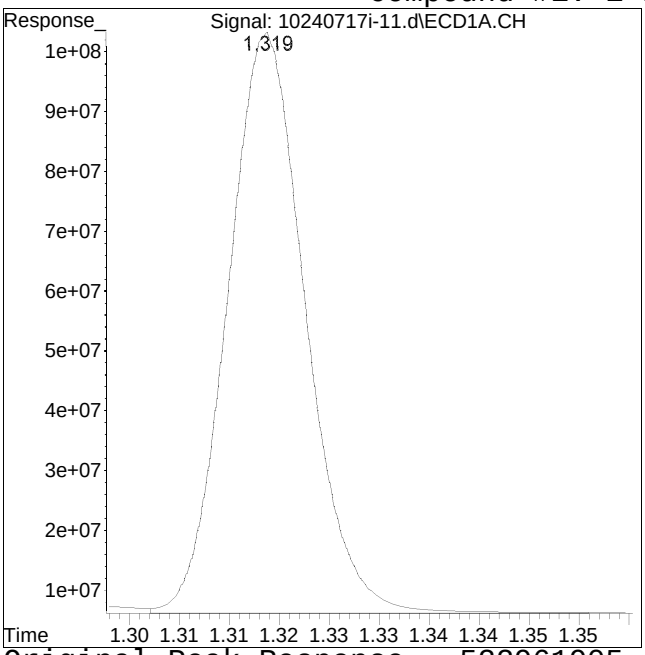
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



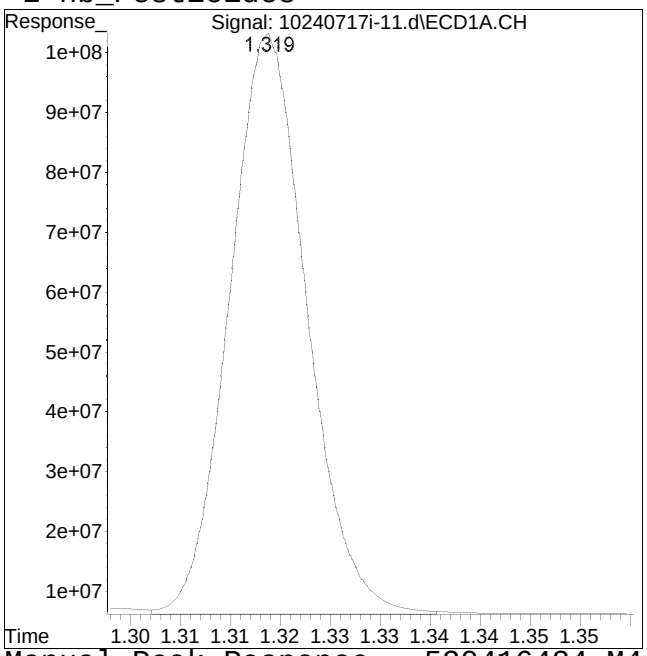
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 522961905



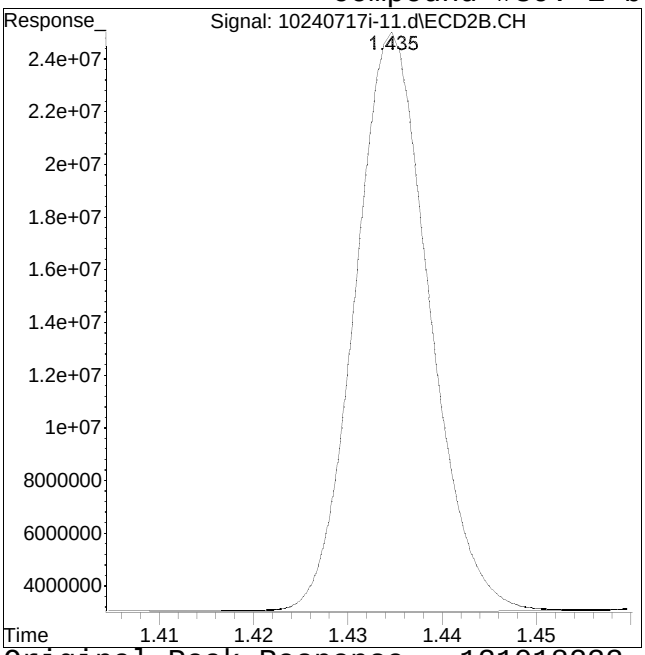
Manual Peak Response = 520416424 M4

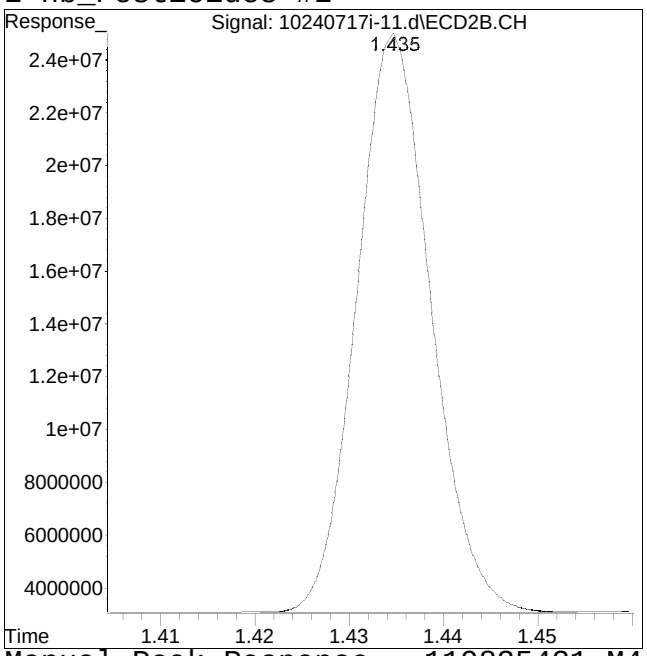
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #39: 1-br-2-nb_Pesticides #2



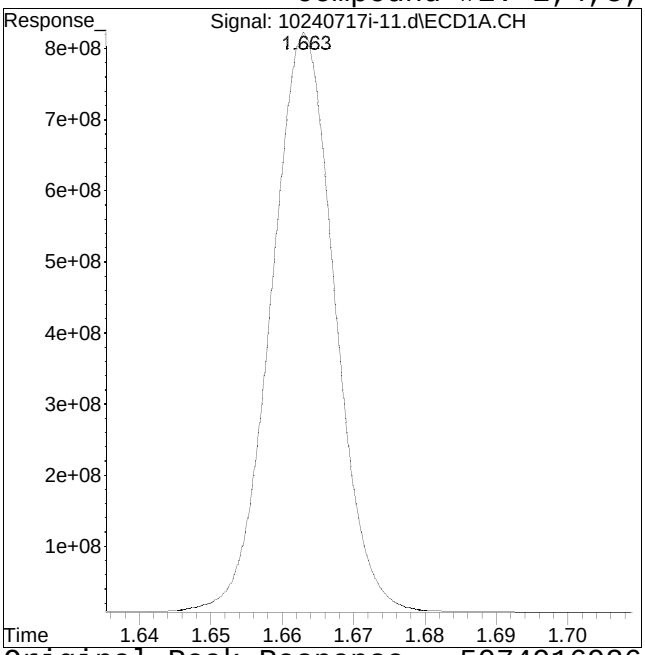


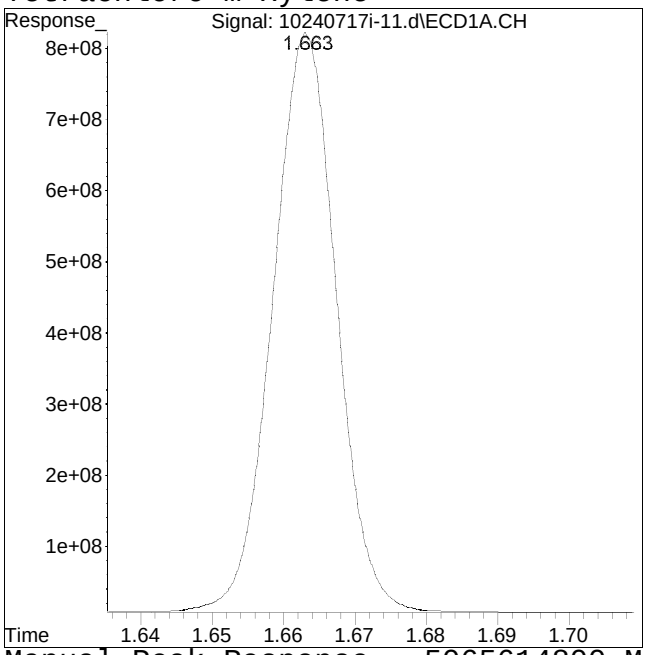
Original Peak Response = 121018233 Manual Peak Response = 119835421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



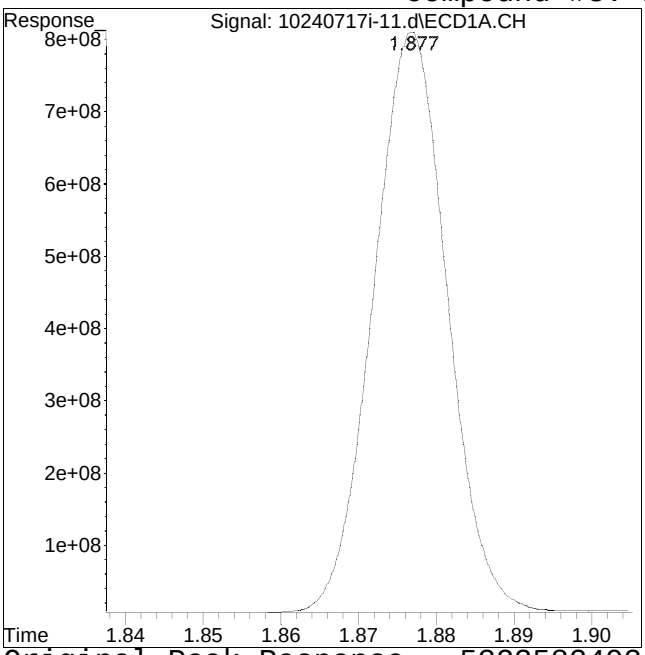


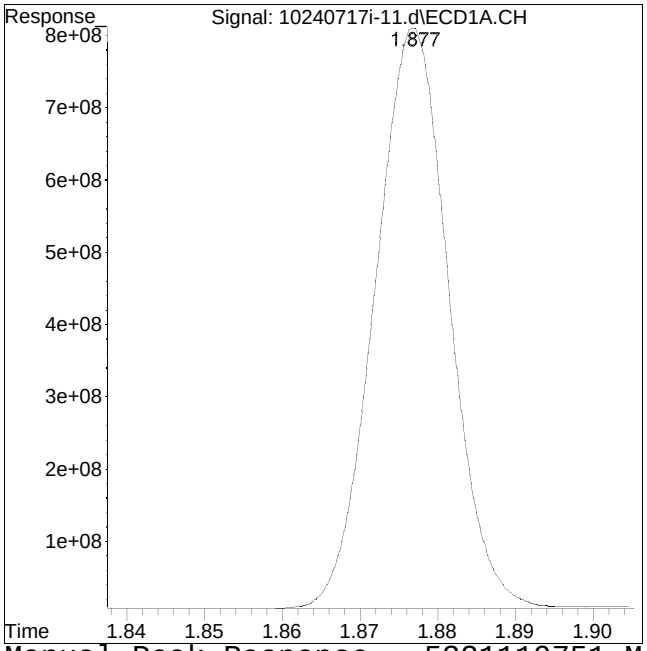
Original Peak Response = 5074916926 Manual Peak Response = 5065614800 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #3: Hexachlorobenzene



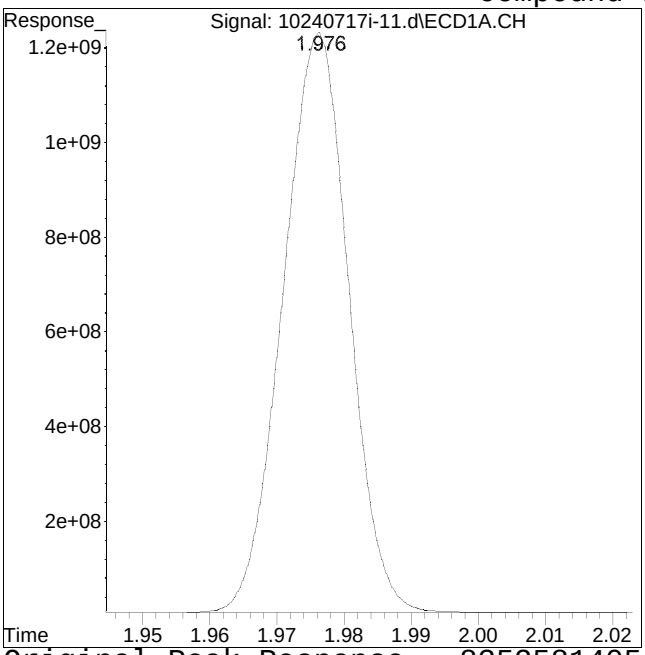


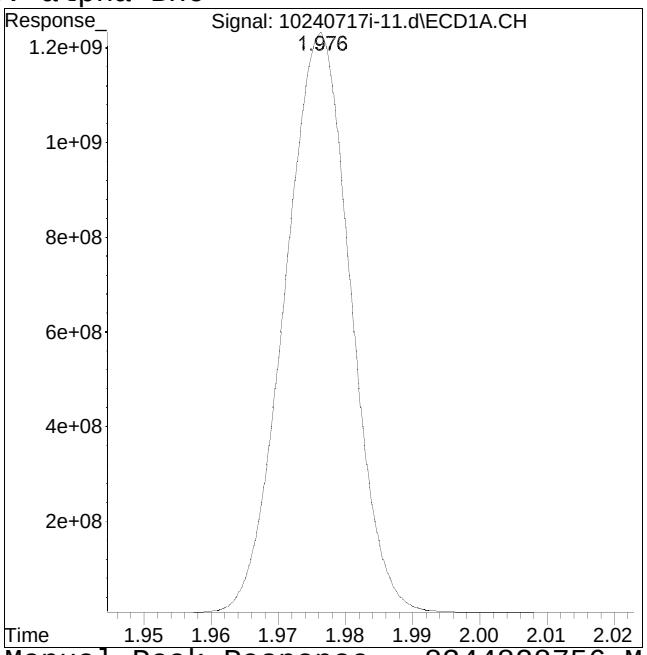
Original Peak Response = 5323582493 Manual Peak Response = 5321119751 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #4: alpha-BHC



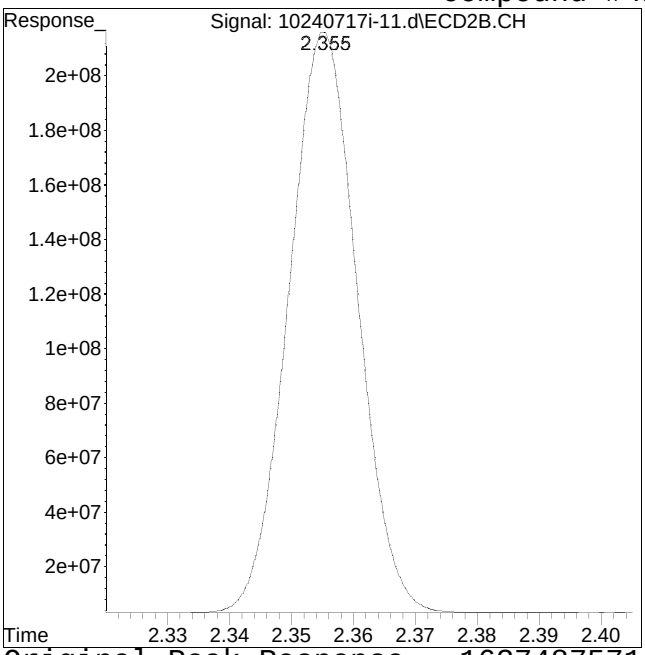


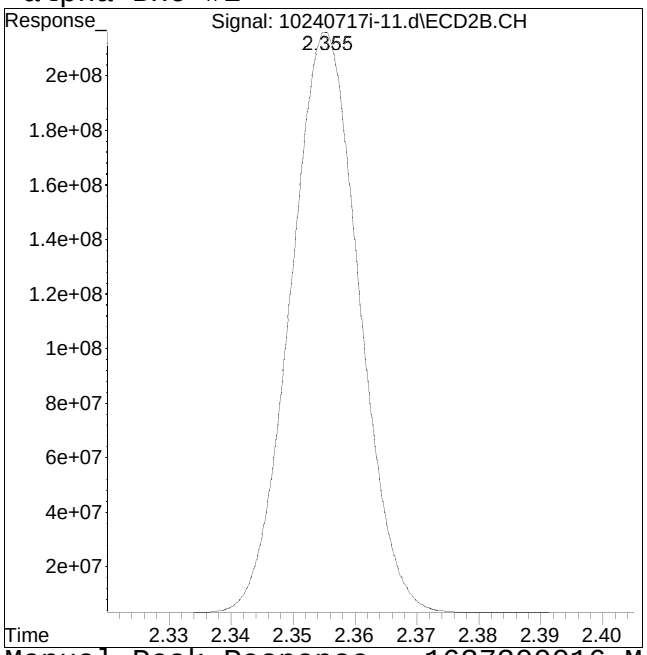
Original Peak Response = 8352581405 Manual Peak Response = 8344828756 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #42: alpha-BHC #2



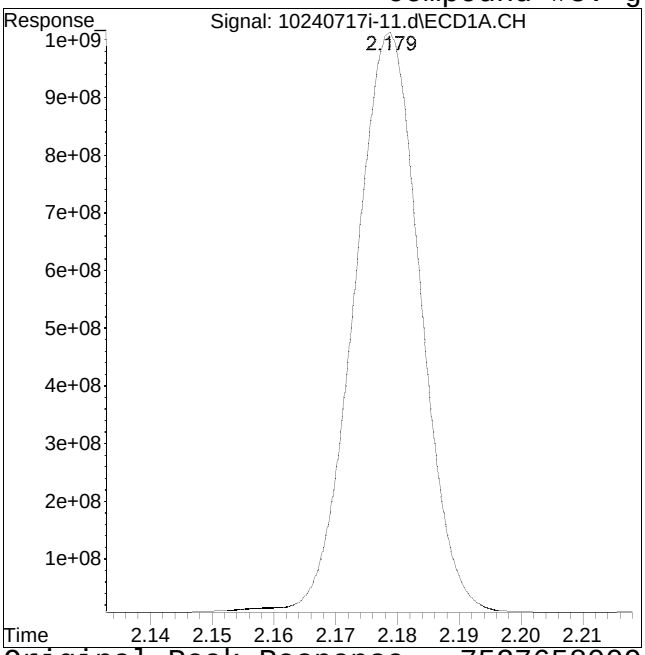


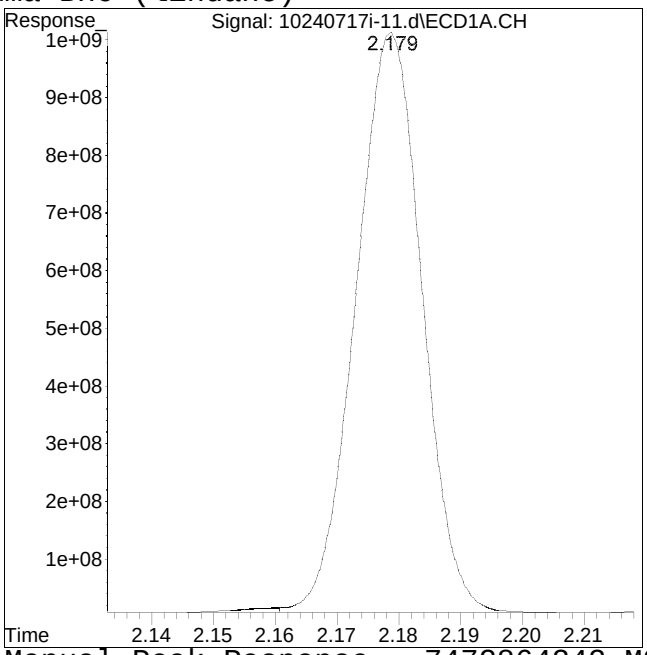
Original Peak Response = 1637487571 Manual Peak Response = 1637300016 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #5: gamma-BHC (lindane)



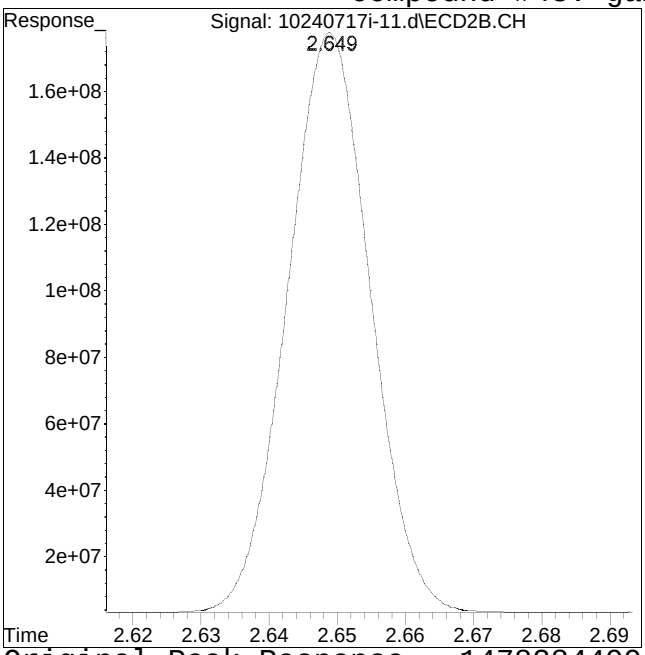


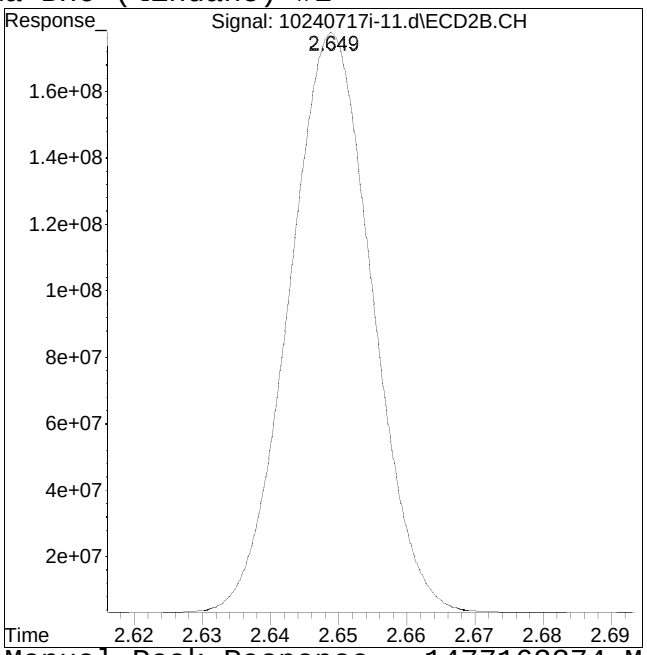
Original Peak Response = 7527658009 Manual Peak Response = 7472864242 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #43: gamma-BHC (lindane) #2





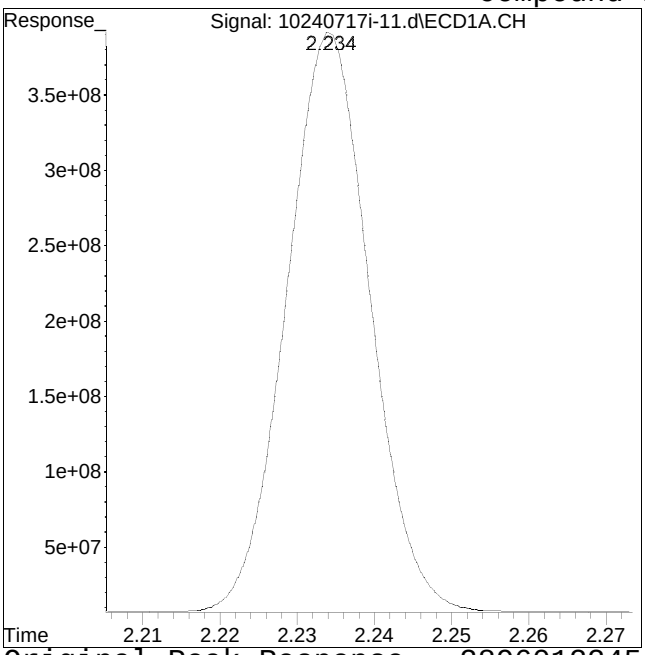
Original Peak Response = 1478284499 Manual Peak Response = 1477163374 M4
M4 = Poor automated baseline construction.

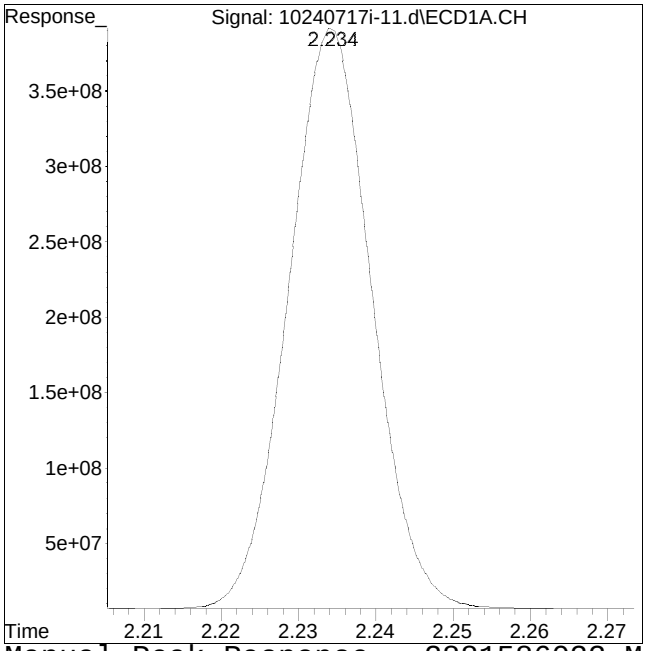
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-11.d
Date Inj'd : 7/17/2024 1:37 pm
Sample : il10pest,42e,,pp 11679 L0.

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 7:31 am

Compound #6: beta-BHC



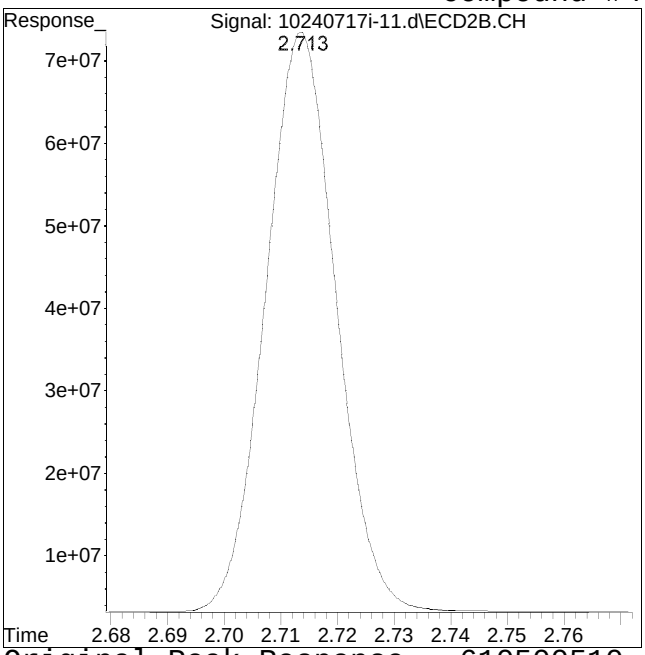


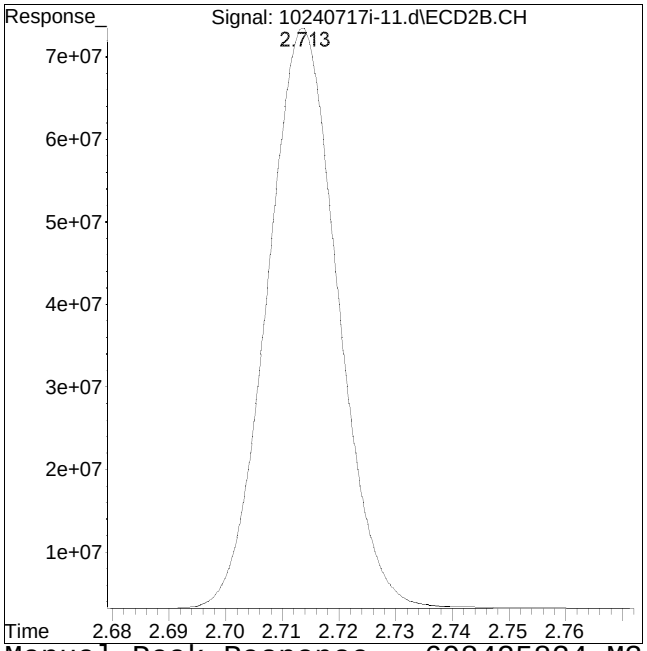
Original Peak Response = 2896012245 Manual Peak Response = 2881586033 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #44: beta-BHC #2



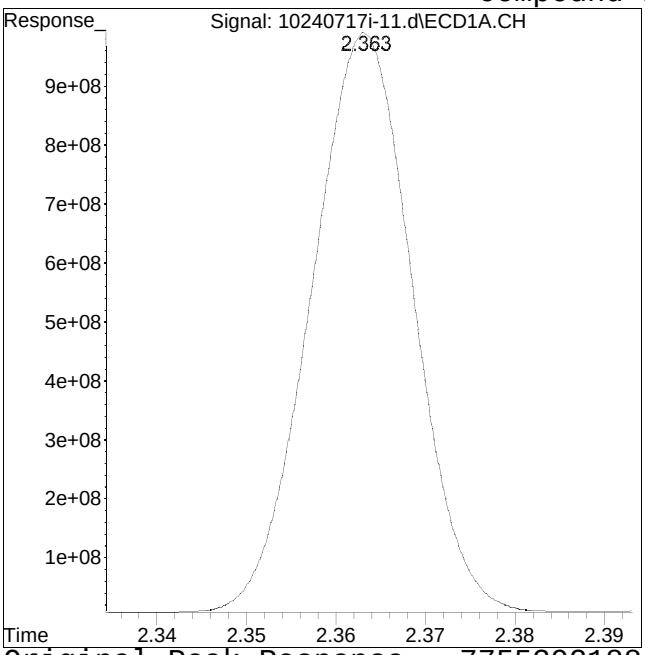


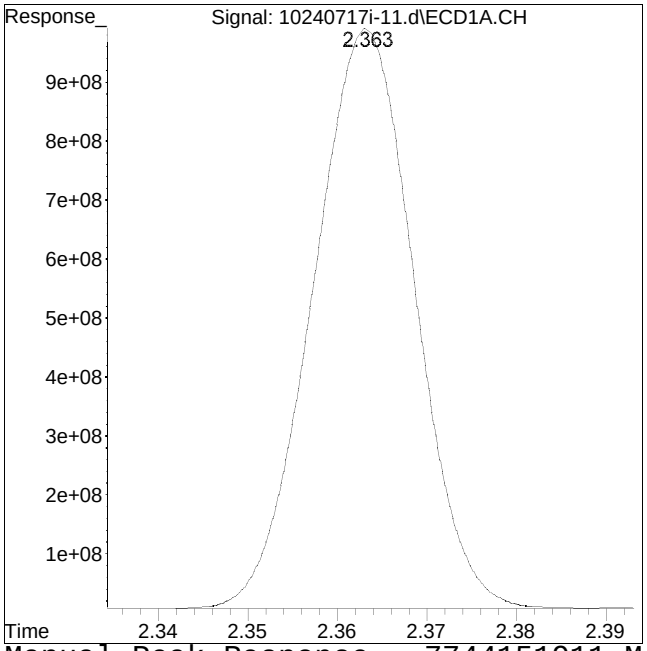
Original Peak Response = 610500510 Manual Peak Response = 608425824 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #7: delta-BHC



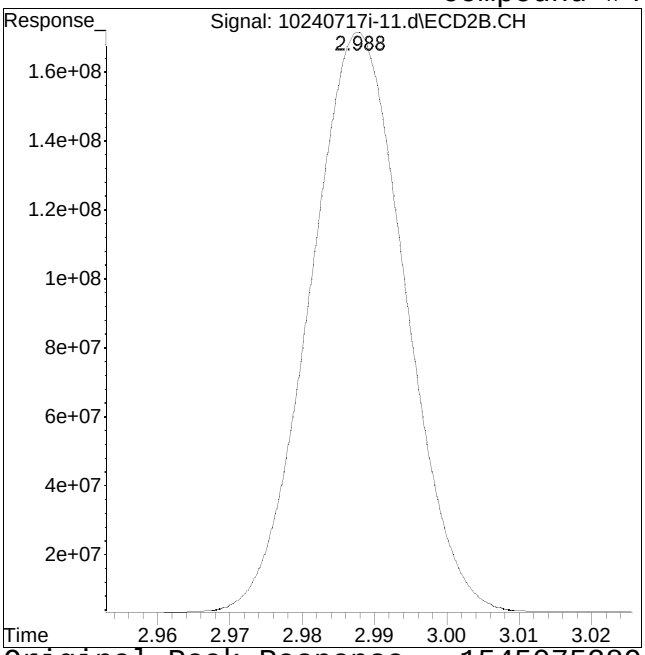


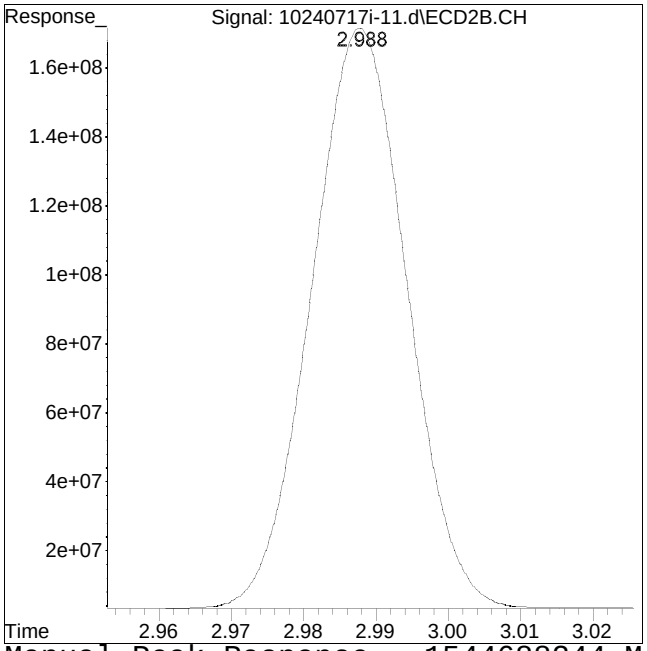
Original Peak Response = 7755392188 Manual Peak Response = 7744151911 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #45: delta-BHC #2



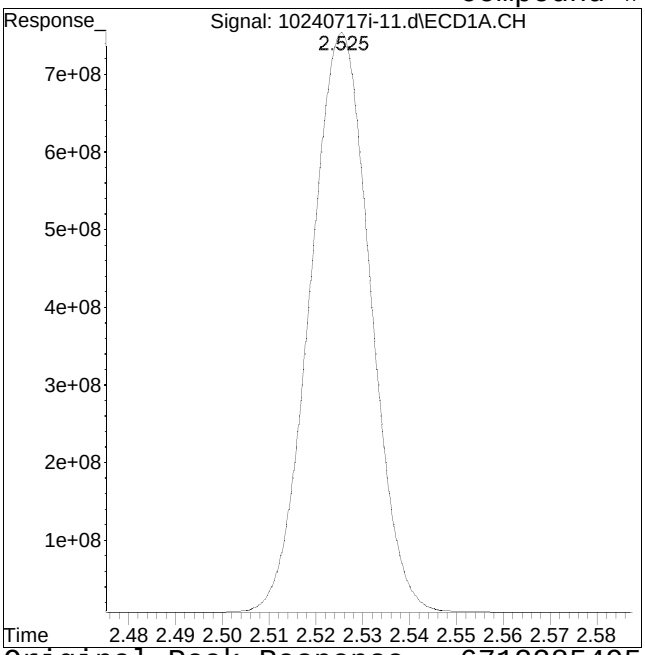


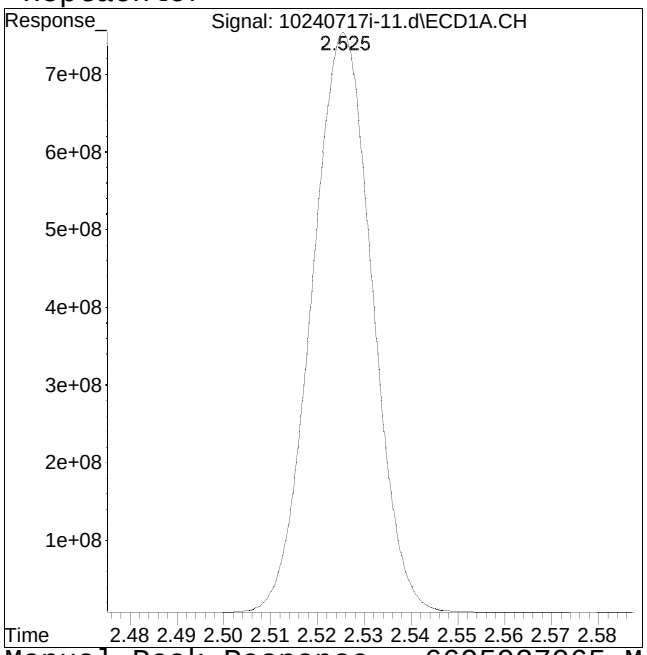
Original Peak Response = 1545075289 Manual Peak Response = 1544688244 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #8: Heptachlor



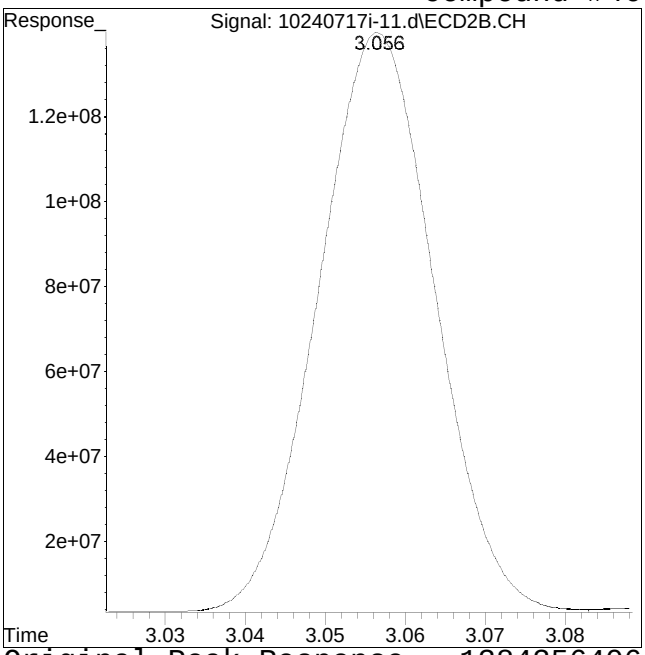


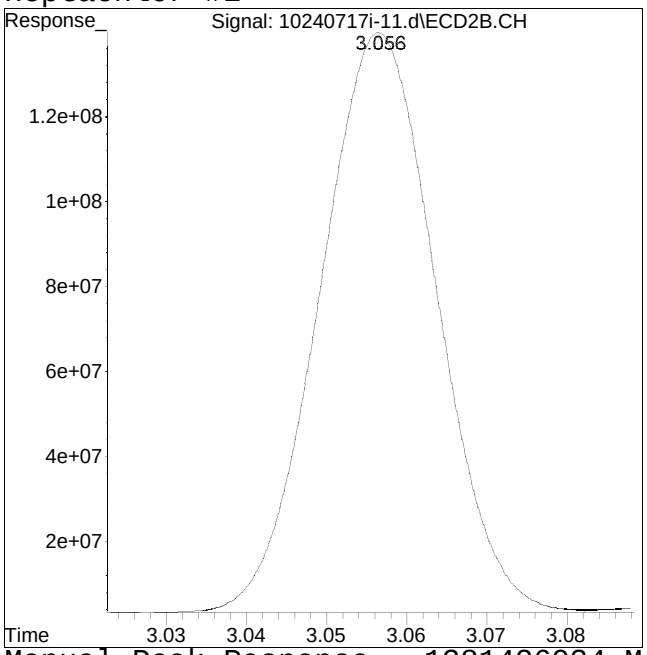
Original Peak Response = 6712285495 Manual Peak Response = 6695927965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #46: Heptachlor #2



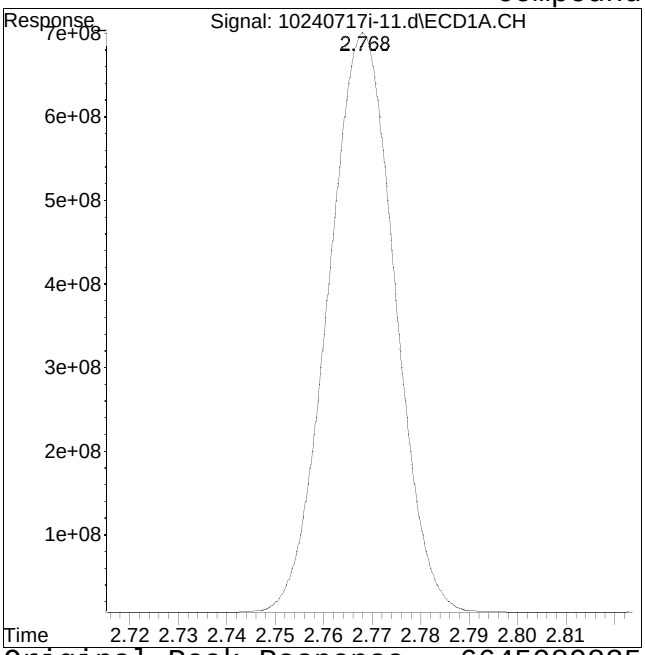


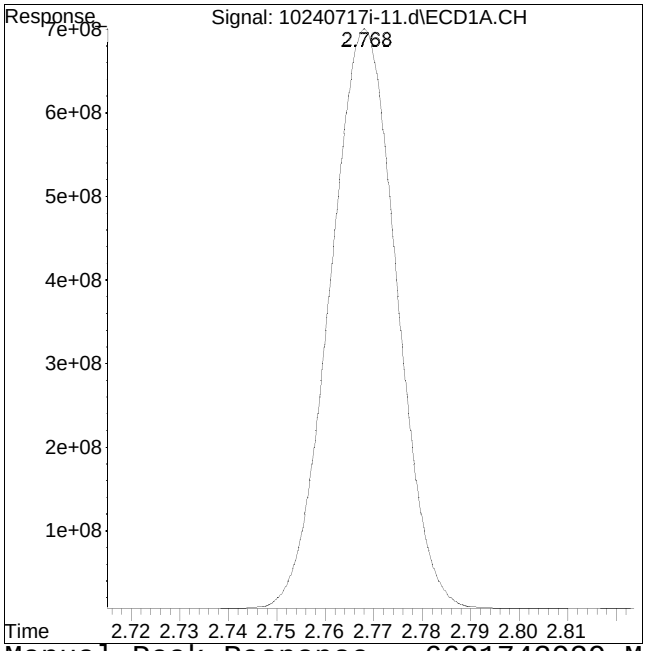
Original Peak Response = 1384356406 Manual Peak Response = 1381426934 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #9: Aldrin



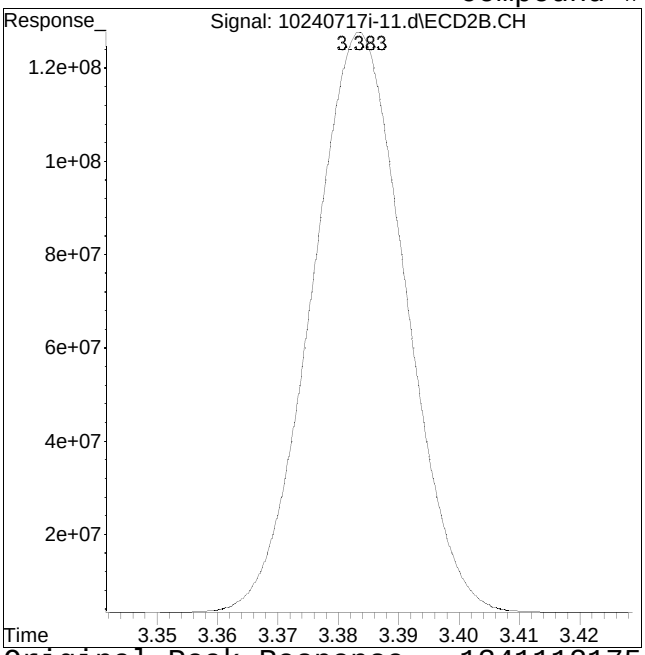


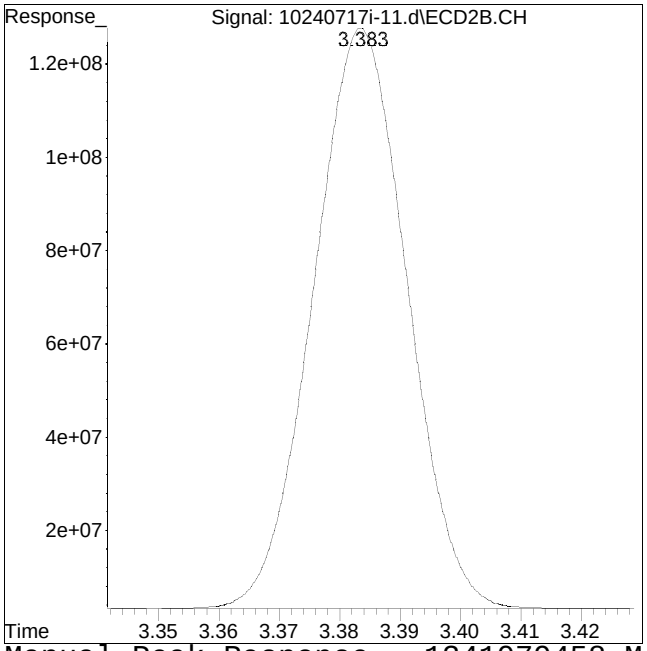
Original Peak Response = 6645089835 Manual Peak Response = 6631742939 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #47: Aldrin #2



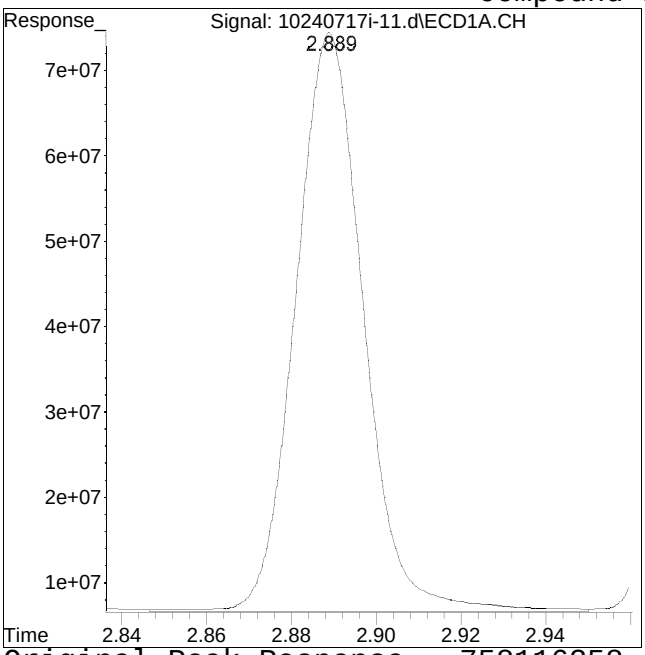


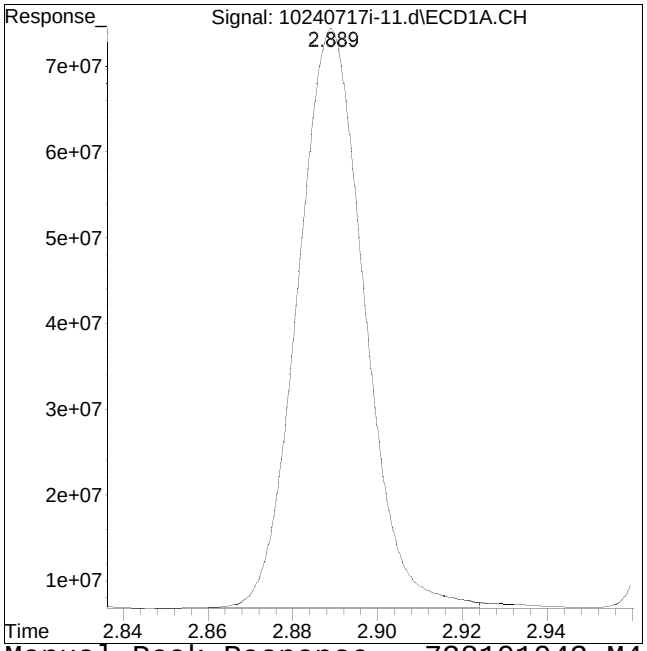
Original Peak Response = 1341112175 Manual Peak Response = 1341079458 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #10: Alachlor



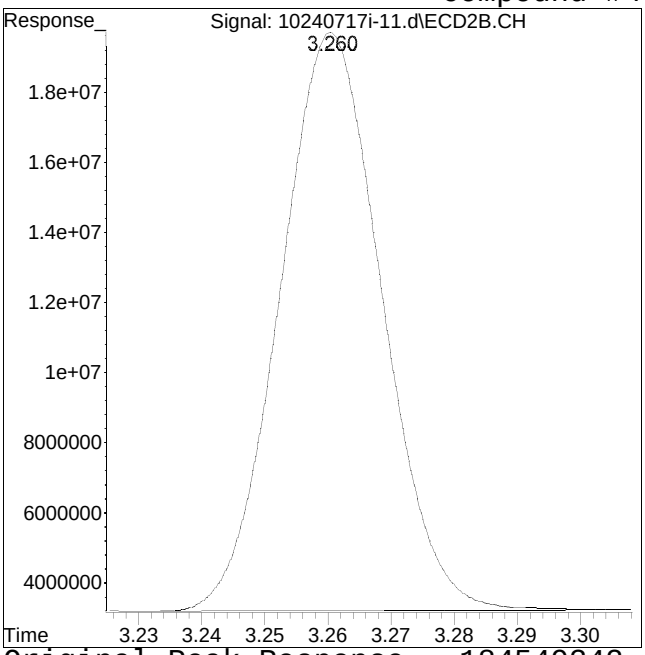


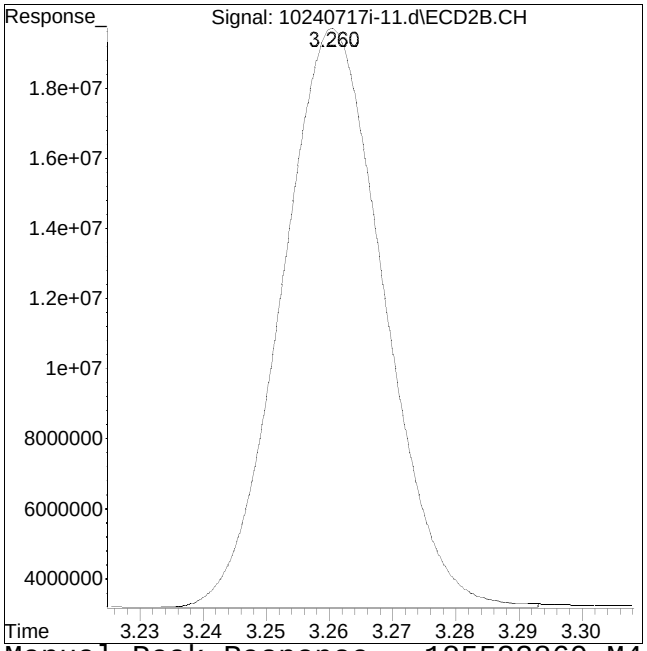
Original Peak Response = 758116358 Manual Peak Response = 738101043 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #48: Alachlor #2



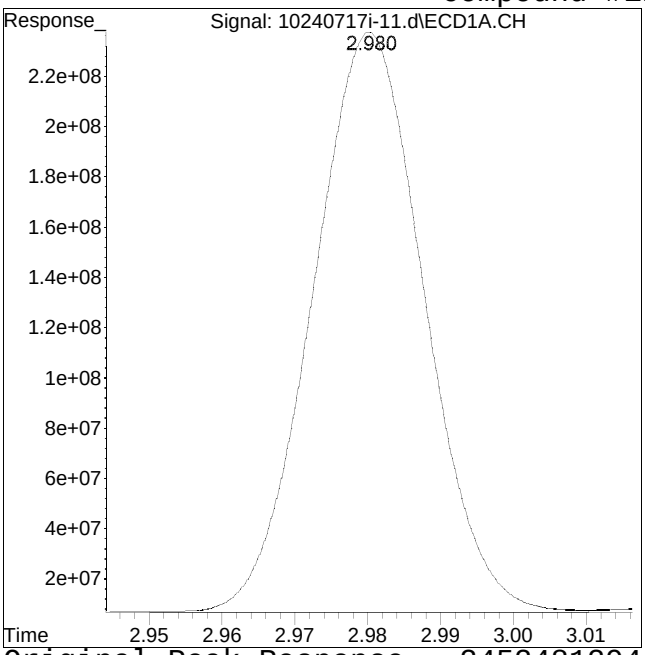


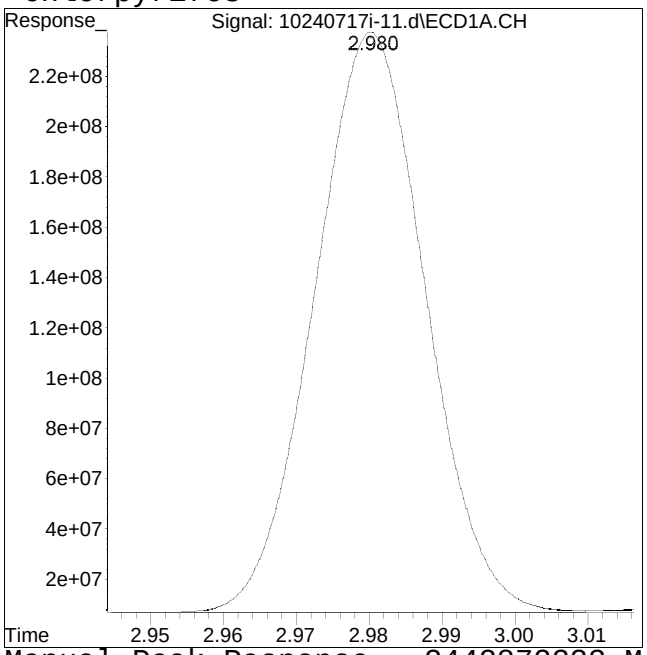
Original Peak Response = 184549342 Manual Peak Response = 185533860 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #11: Chlorpyrifos



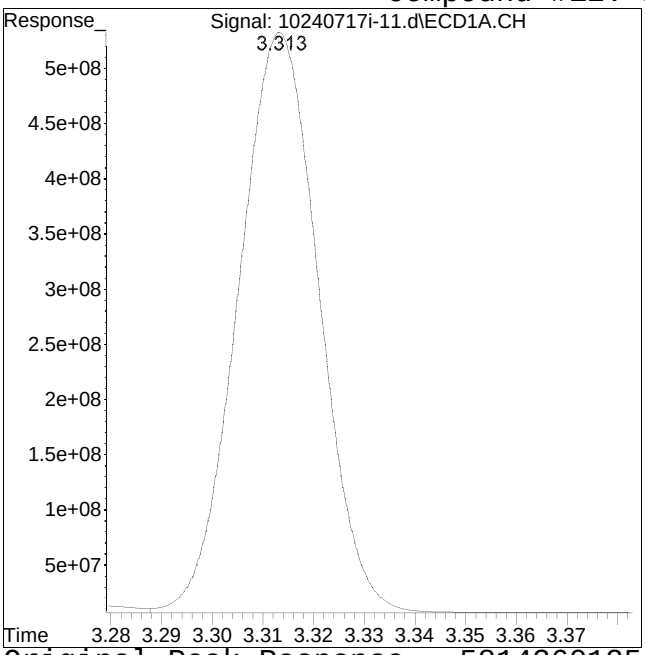


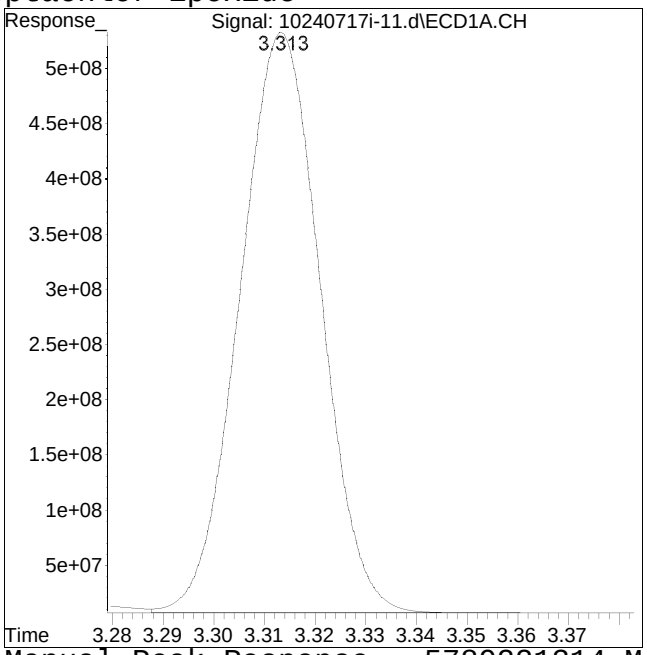
Original Peak Response = 2452481294 Manual Peak Response = 2442872233 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #12: Heptachlor Epoxide



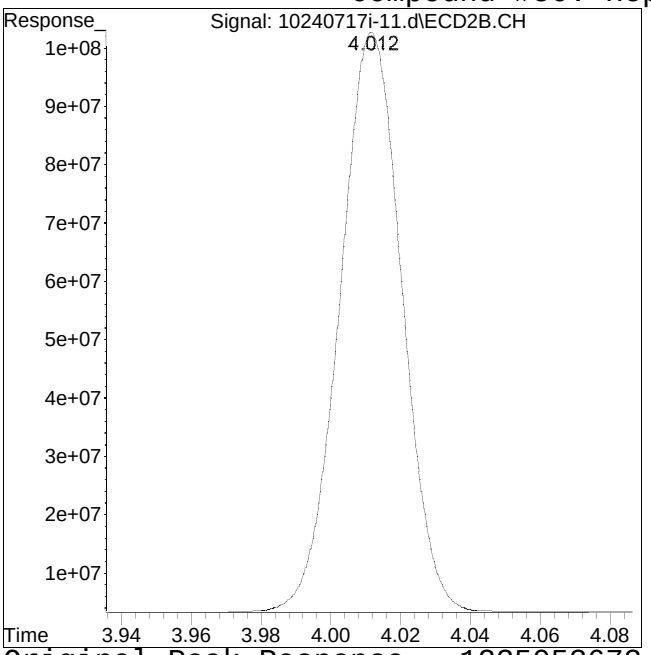


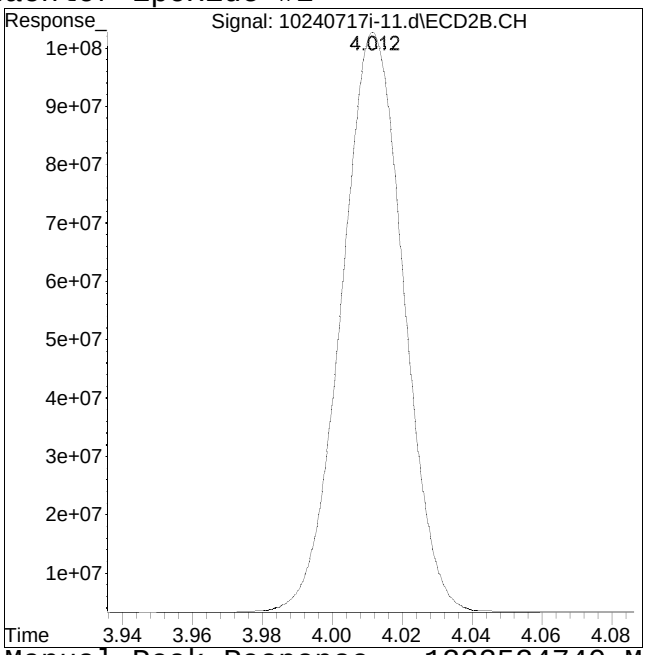
Original Peak Response = 5814360125 Manual Peak Response = 5789221314 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #50: Heptachlor Epoxide #2



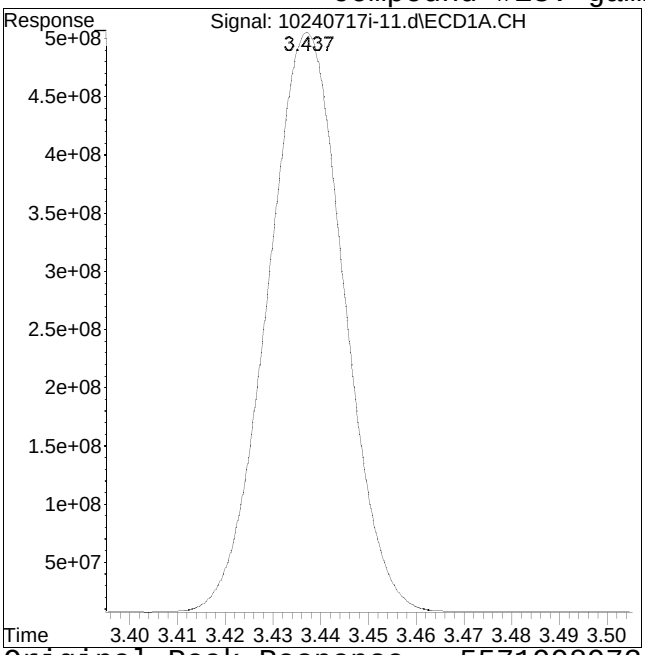


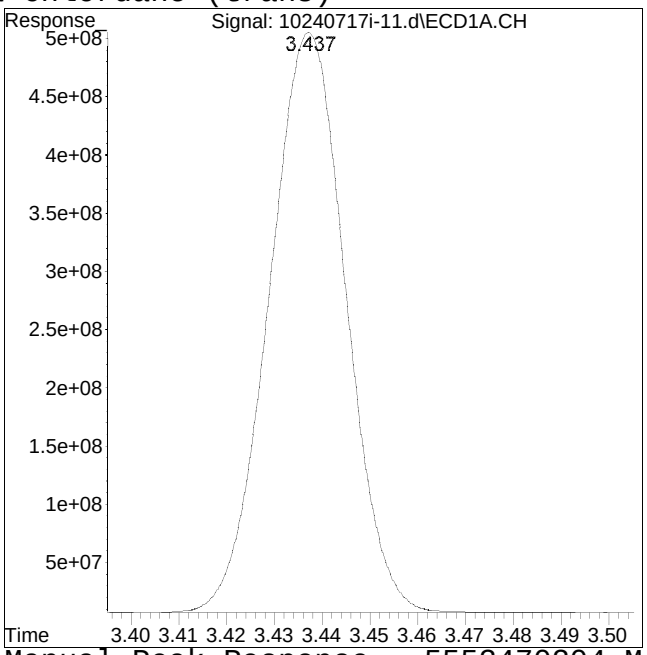
Original Peak Response = 1235053673 Manual Peak Response = 1233524740 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #13: gamma-Chlordane (trans)



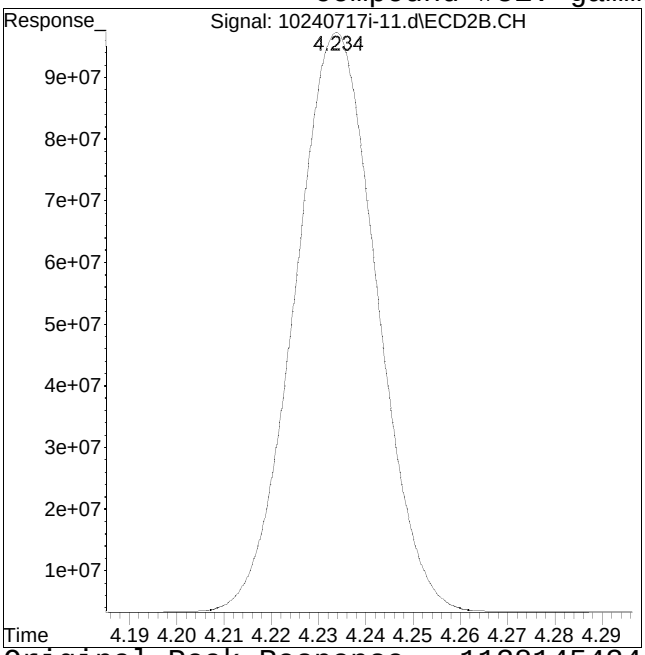


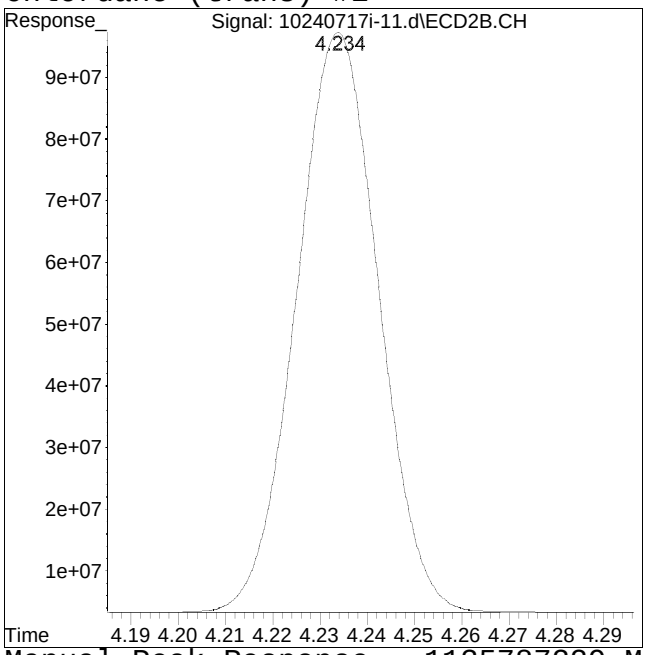
Original Peak Response = 5571998973 Manual Peak Response = 5553470204 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #51: gamma-Chlordane (trans) #2





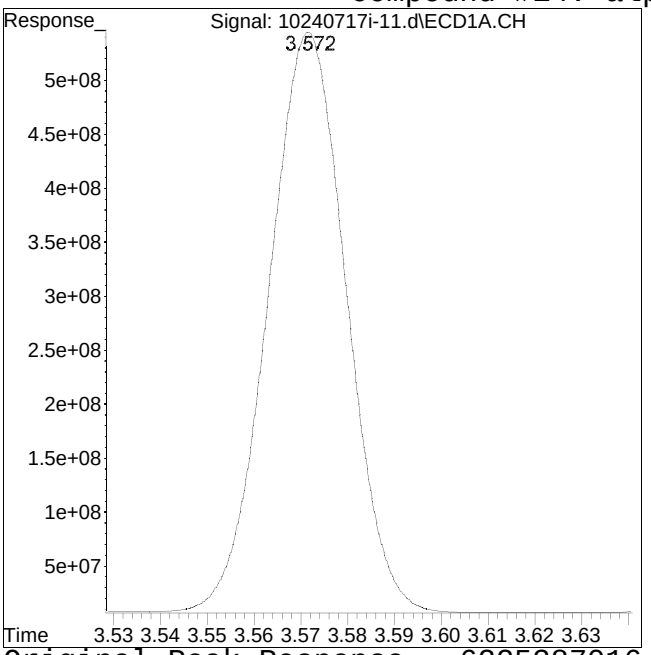
Original Peak Response = 1138145434 Manual Peak Response = 1135787229 M4
M4 = Poor automated baseline construction.

Manual Integration Report

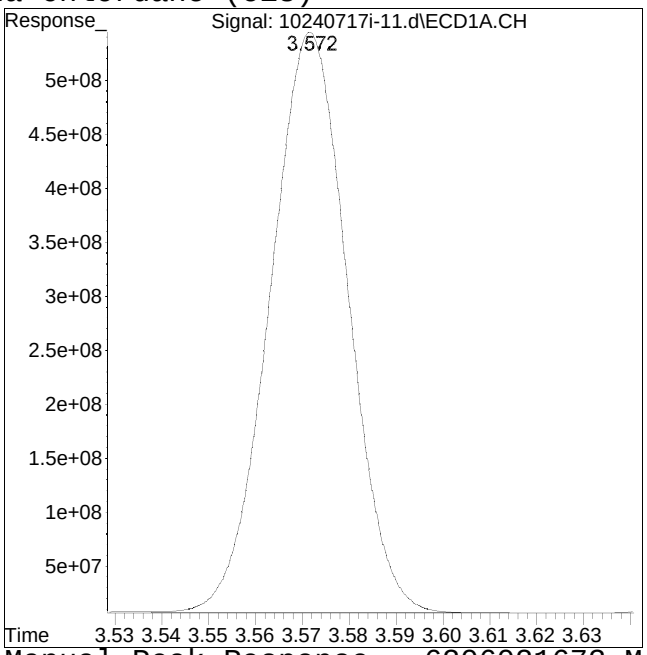
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-11.d
Date Inj'd : 7/17/2024 1:37 pm
Sample : il10pest,42e,,pp 11679 L0.

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 7:31 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 6225387016



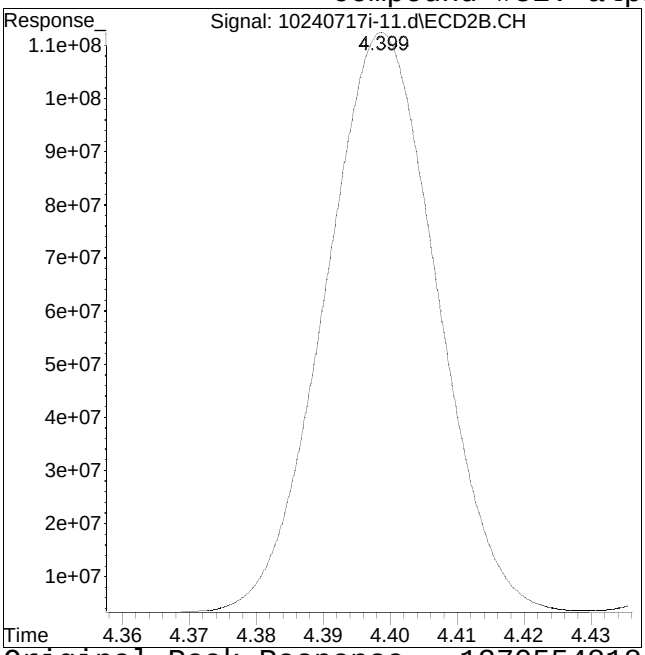
Manual Peak Response = 6206021673 M4

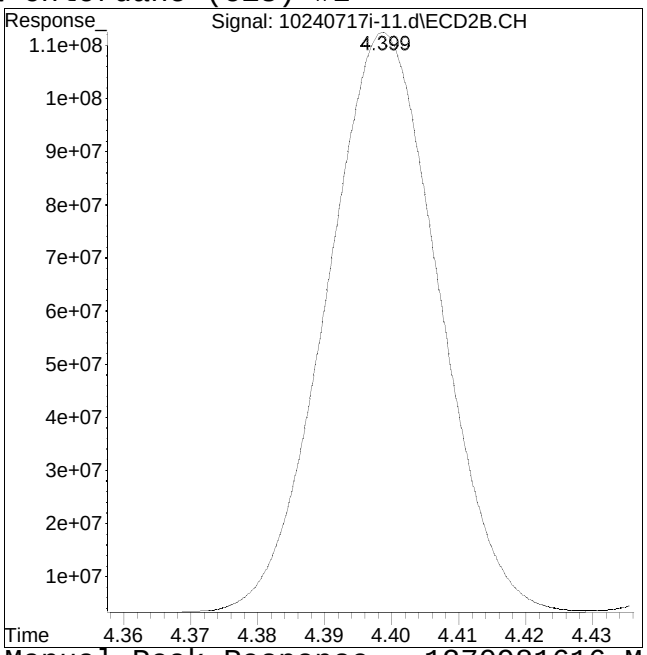
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #52: alpha-Chlordane (cis) #2



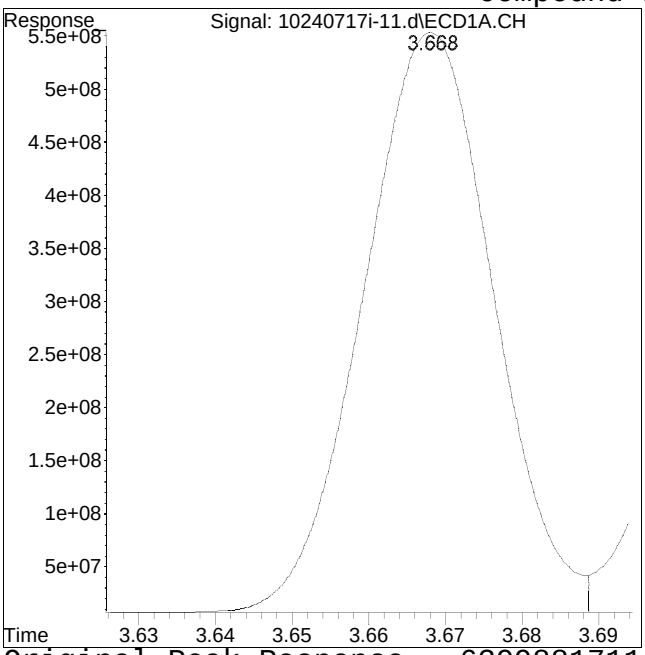


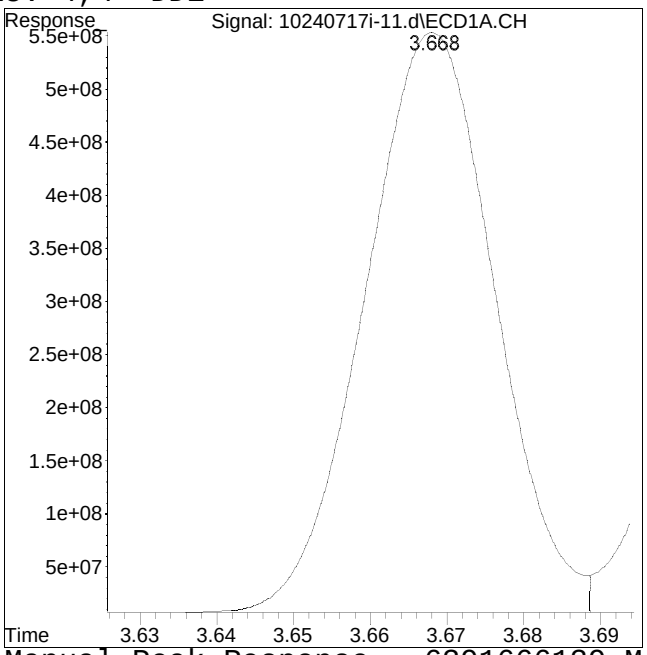
Original Peak Response = 1270554818 Manual Peak Response = 1270981616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #15: 4,4'-DDE



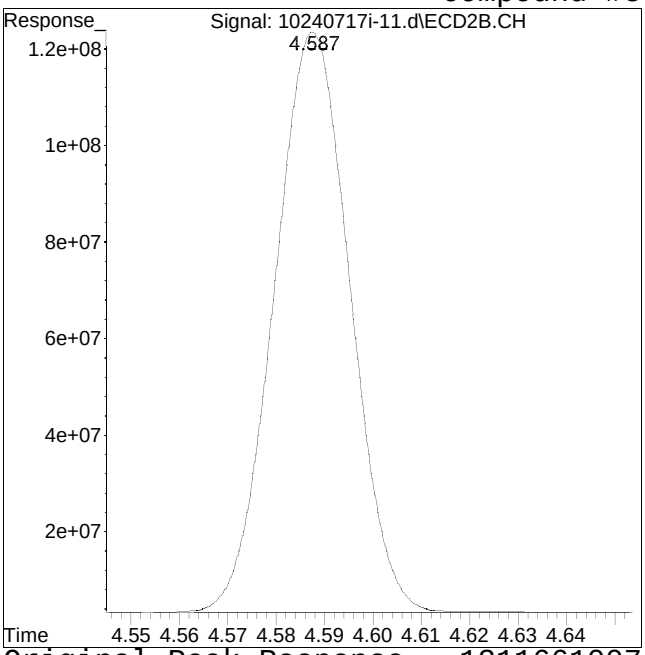


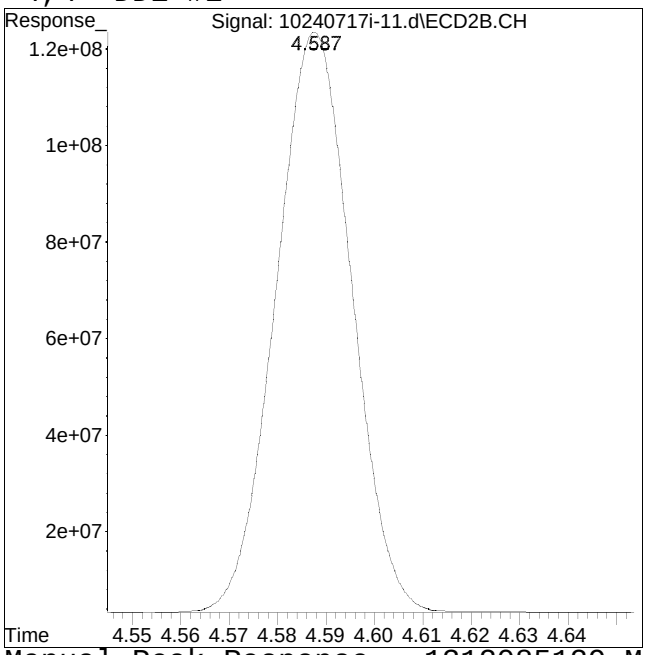
Original Peak Response = 6399881711 Manual Peak Response = 6391666139 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #53: 4,4'-DDE #2



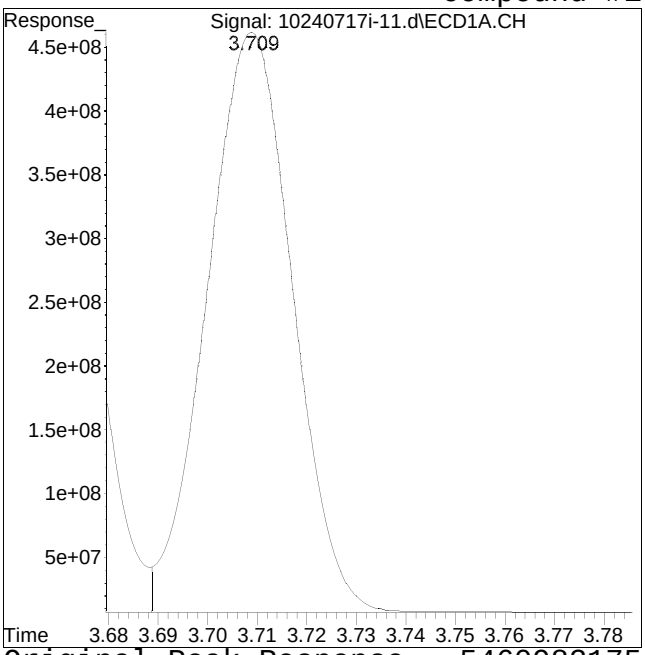


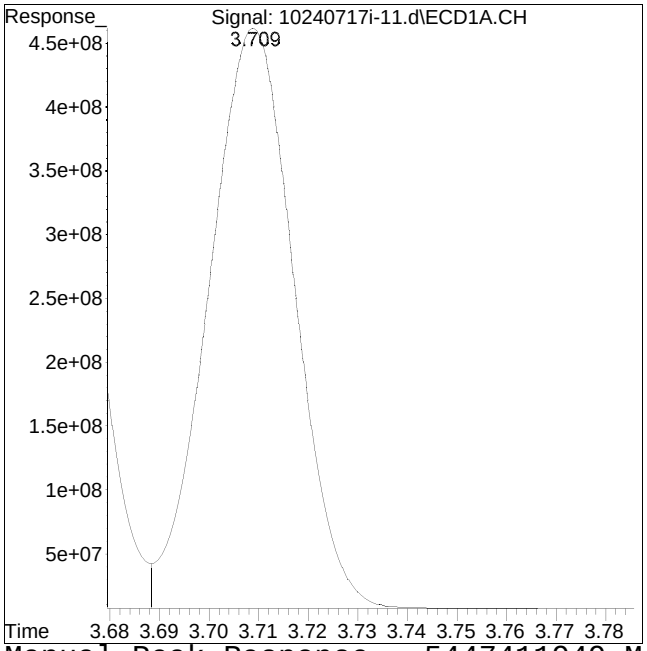
Original Peak Response = 1311661007 Manual Peak Response = 1312085129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #16: Endosulfan I



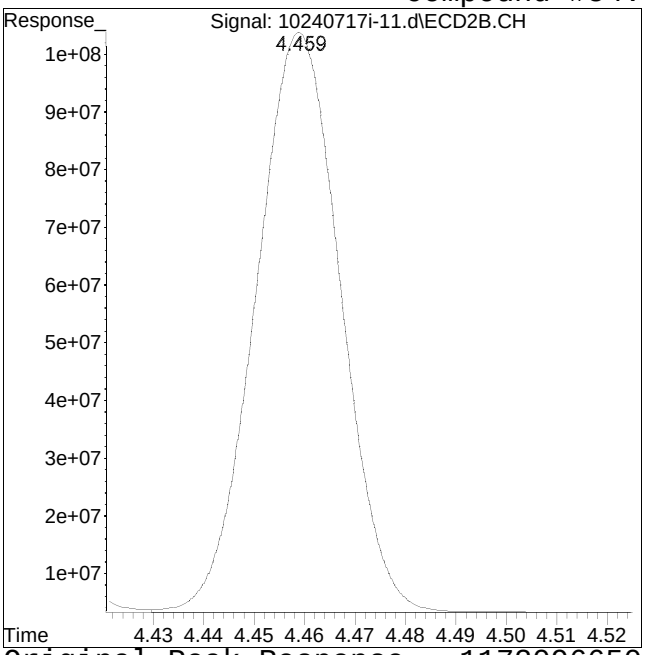


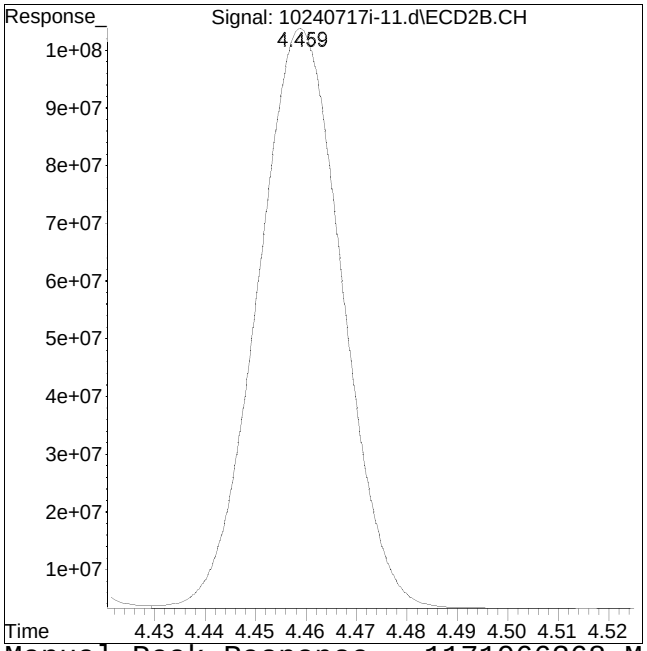
Original Peak Response = 5460983175 Manual Peak Response = 5447411949 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #54: Endosulfan I #2



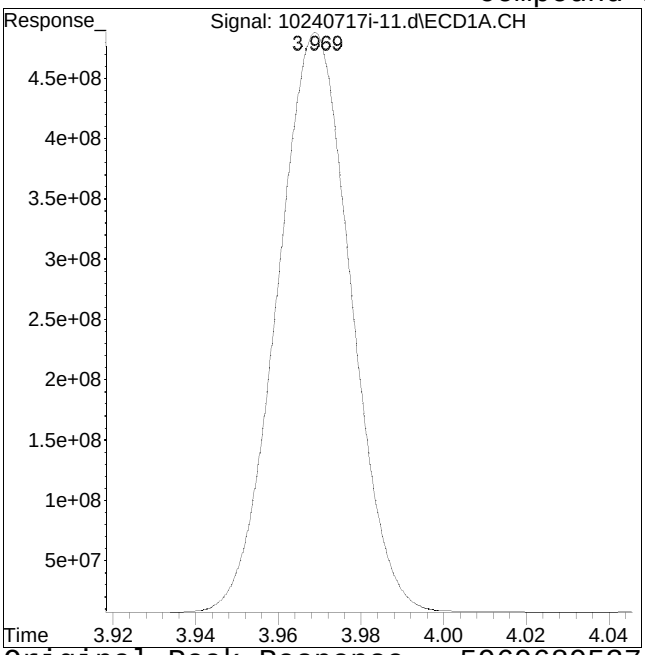


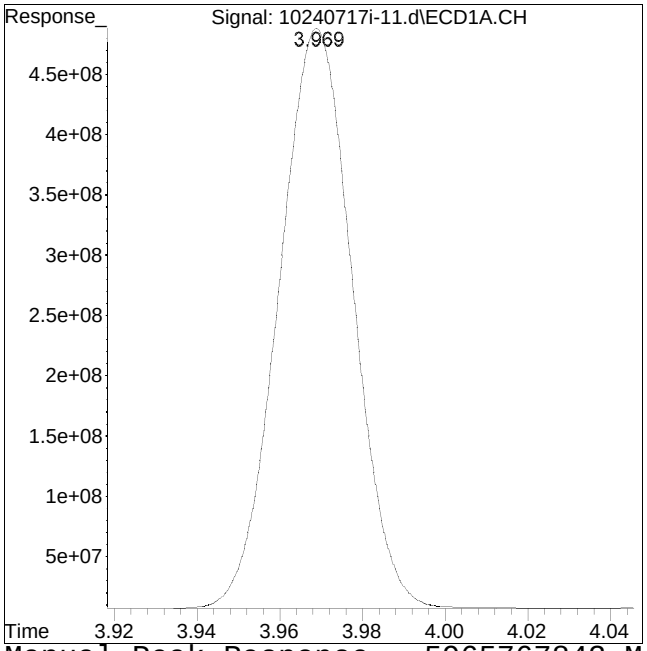
Original Peak Response = 1172096650 Manual Peak Response = 1171066368 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #17: Dieldrin



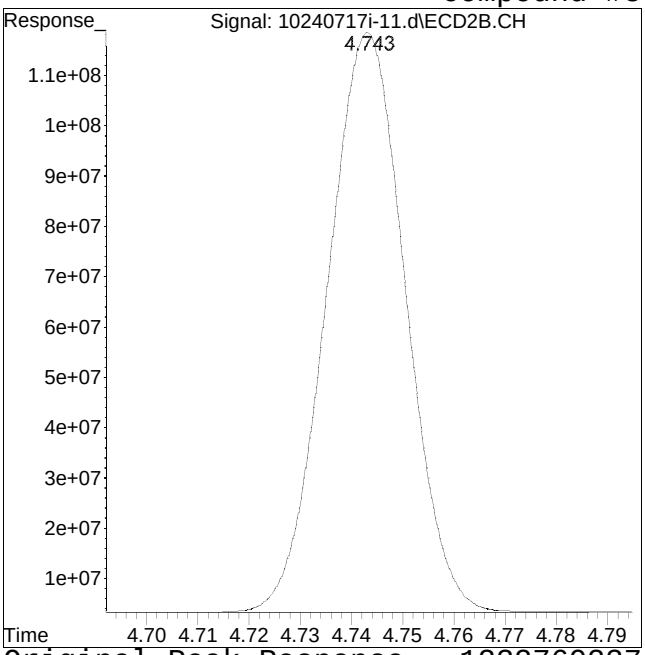


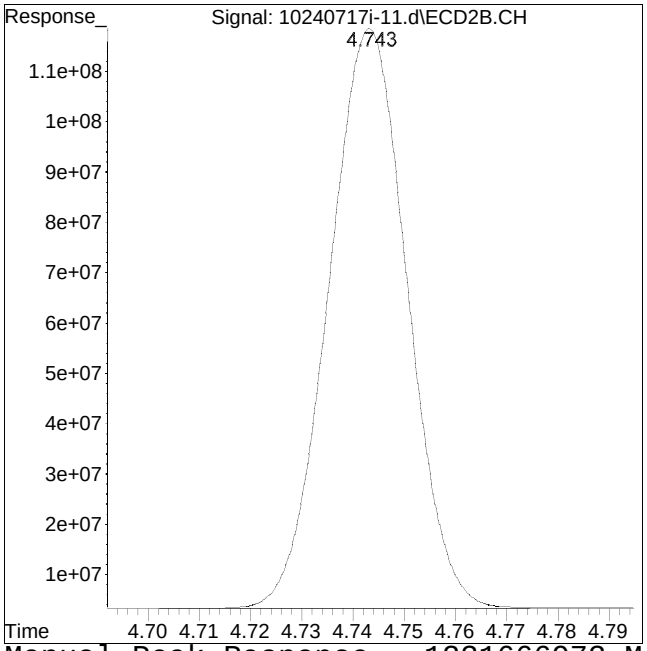
Original Peak Response = 5969689537 Manual Peak Response = 5965767843 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #55: Dieldrin #2



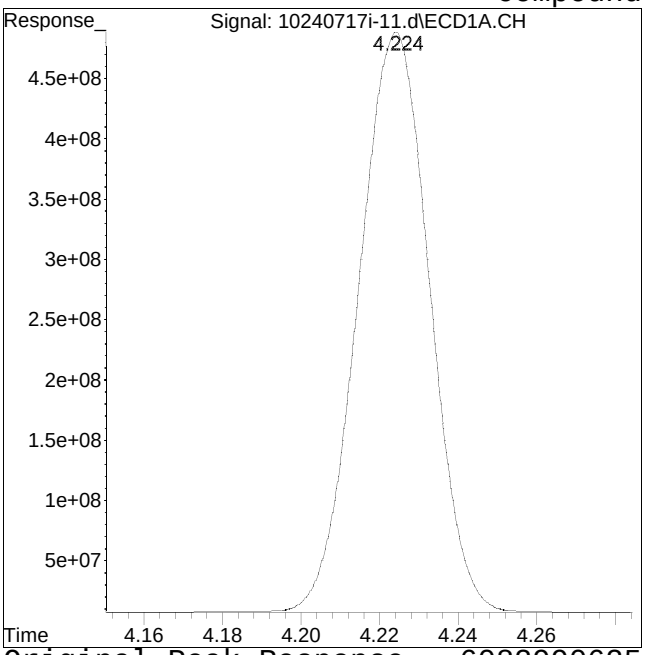


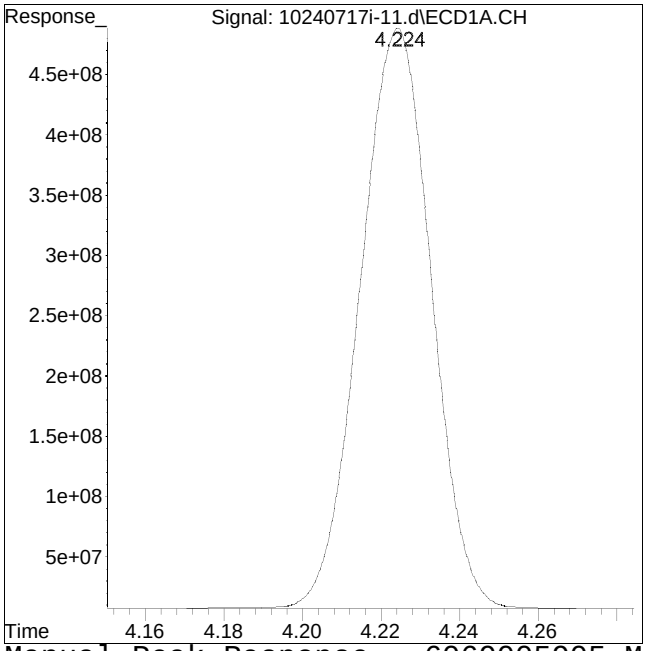
Original Peak Response = 1232769237 Manual Peak Response = 1231666973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #18: Endrin



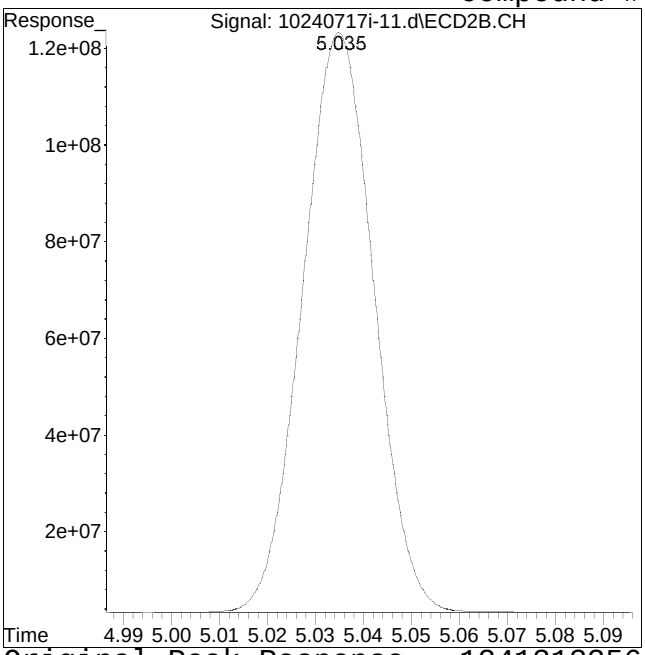


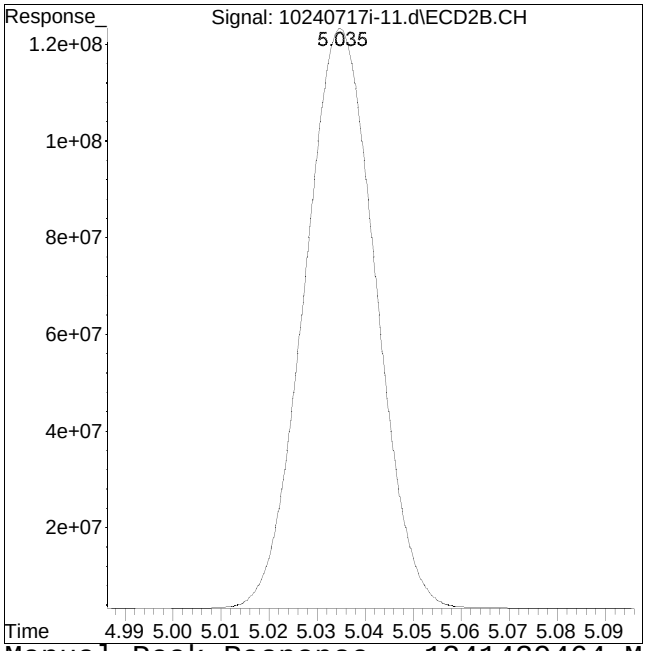
Original Peak Response = 6082990625 Manual Peak Response = 6069005905 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #56: Endrin #2



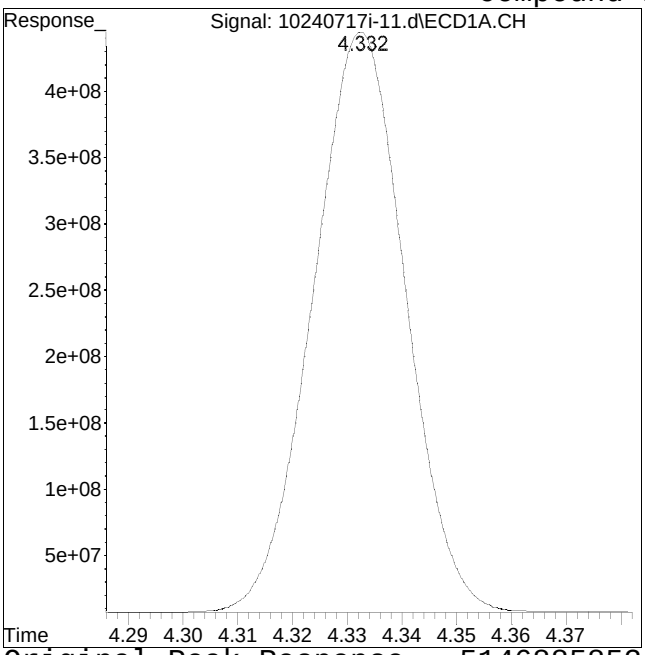


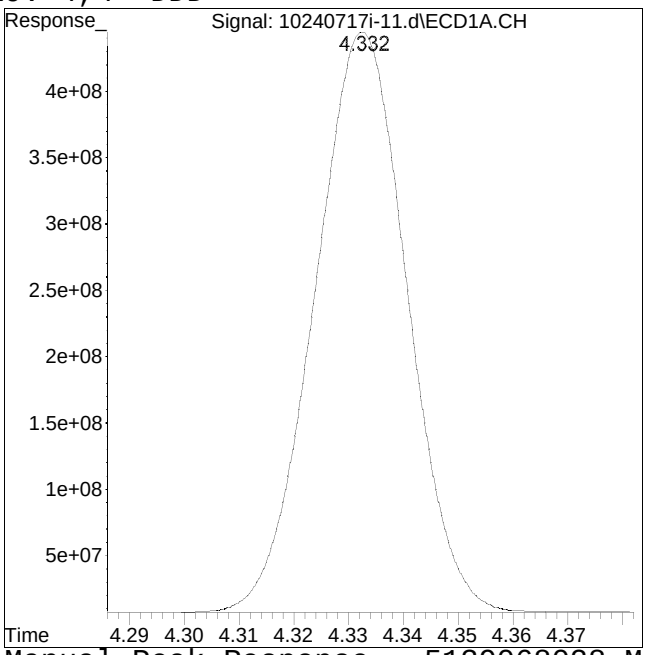
Original Peak Response = 1241313356 Manual Peak Response = 1241439464 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #19: 4,4'-DDD



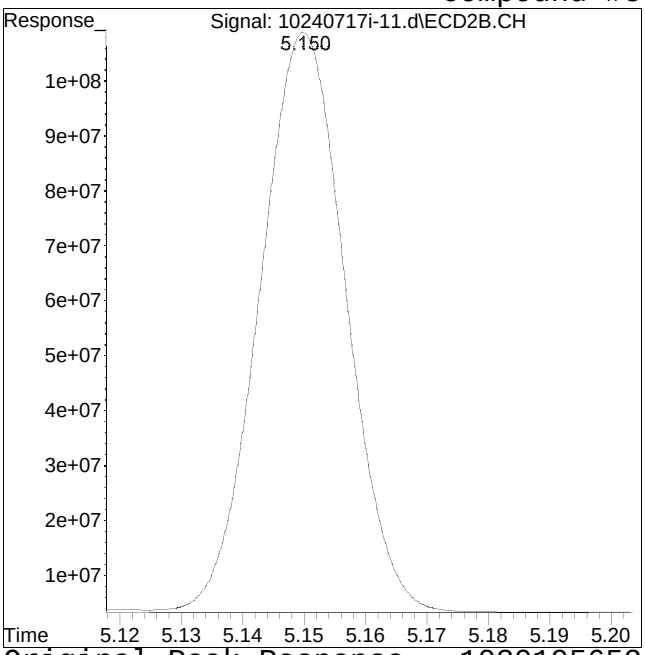


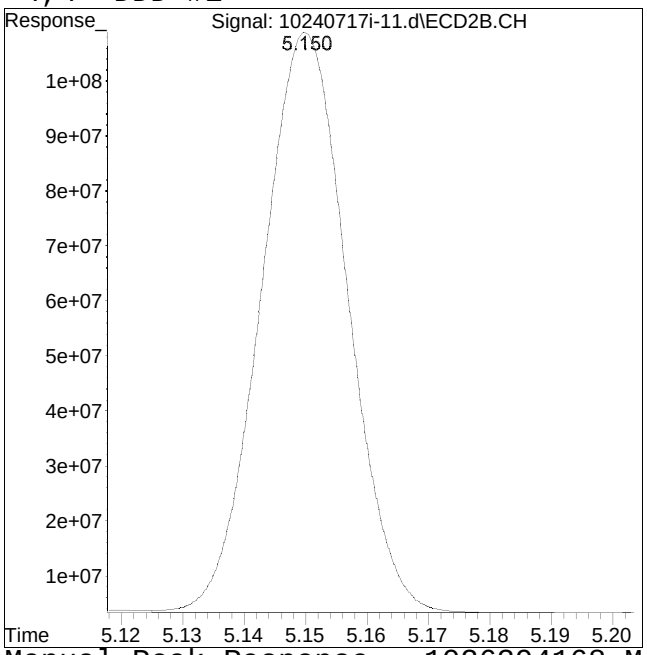
Original Peak Response = 5146885853 Manual Peak Response = 5139068028 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #57: 4,4'-DDD #2



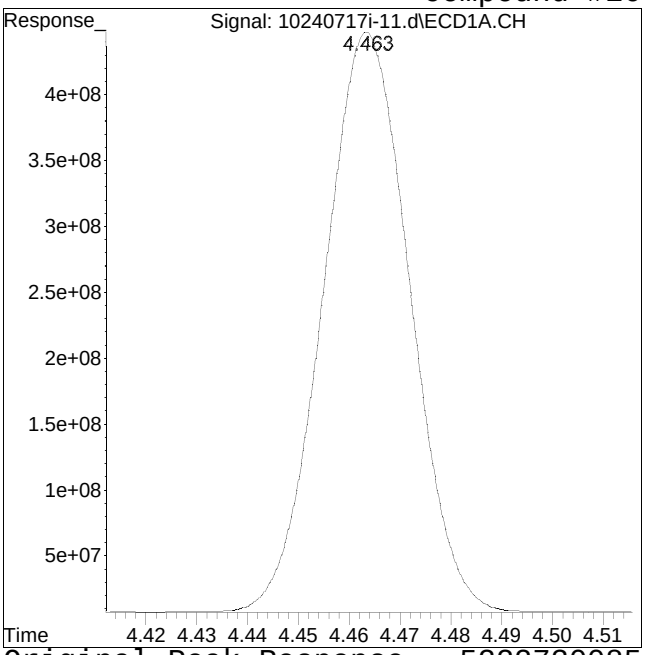


Original Peak Response = 1030195652 Manual Peak Response = 1026394168 M4
M4 = Poor automated baseline construction.

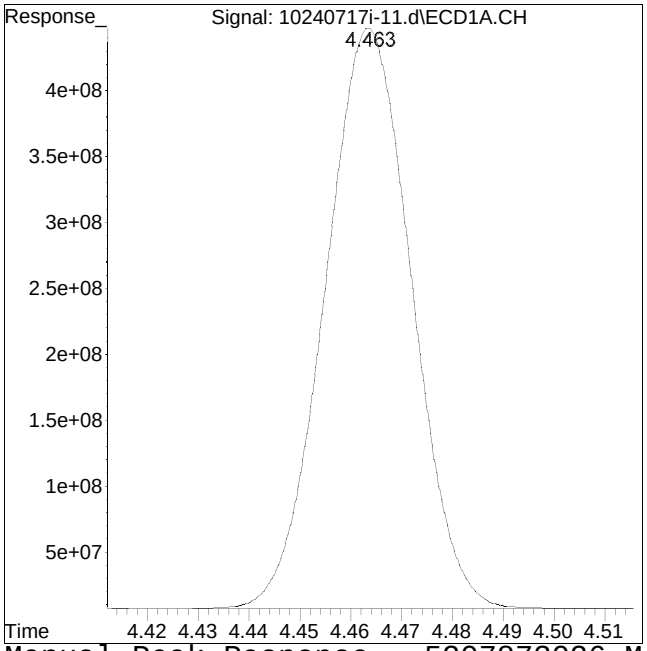
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #20: Endosulfan II



Original Peak Response = 5222730085

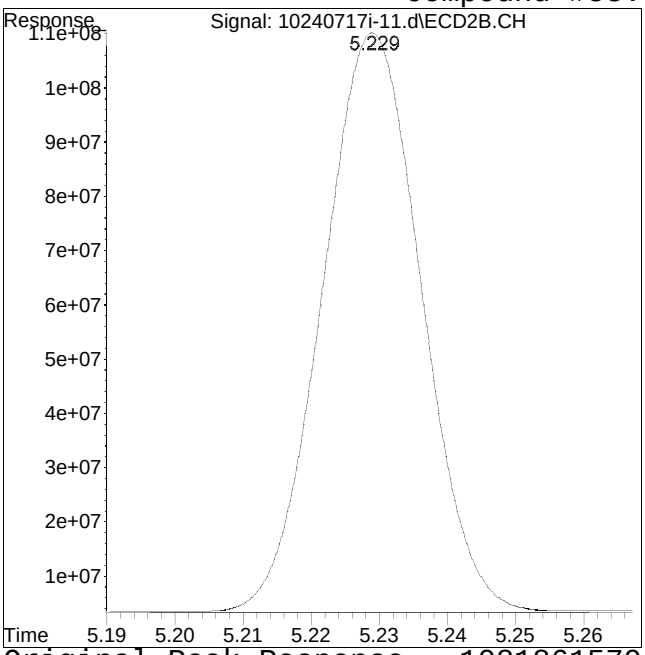


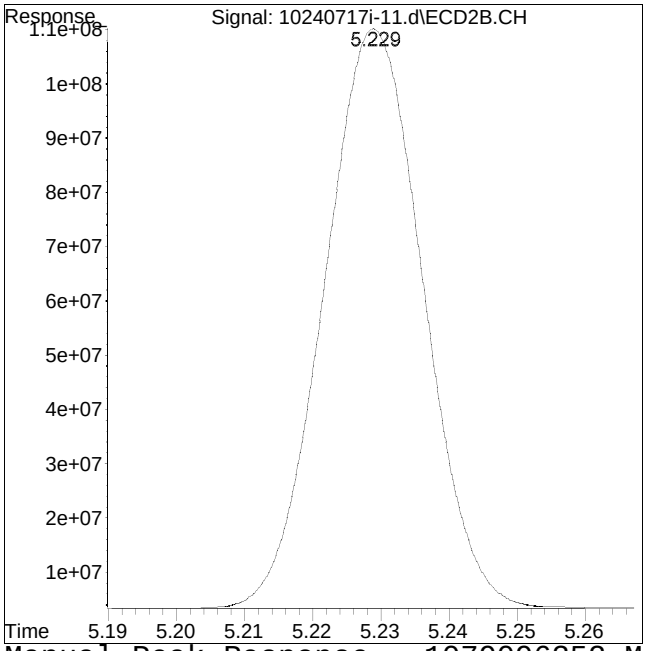
Manual Peak Response = 5207873026 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #58: Endosulfan II #2



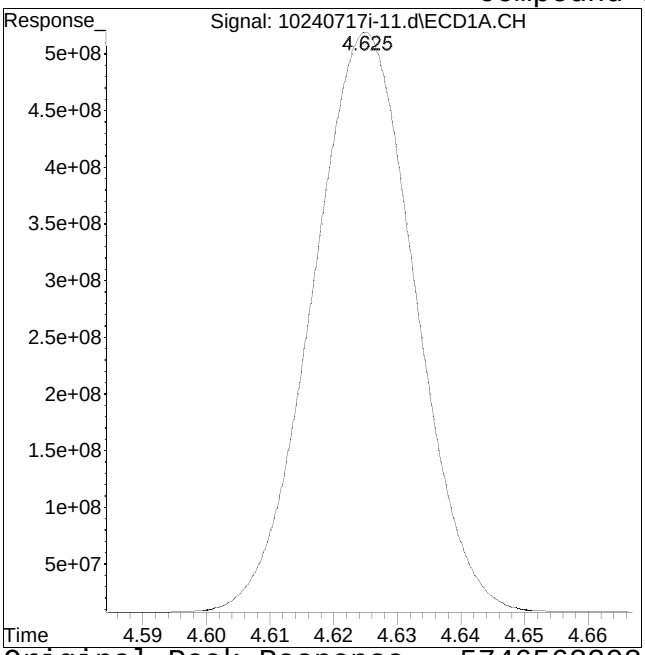


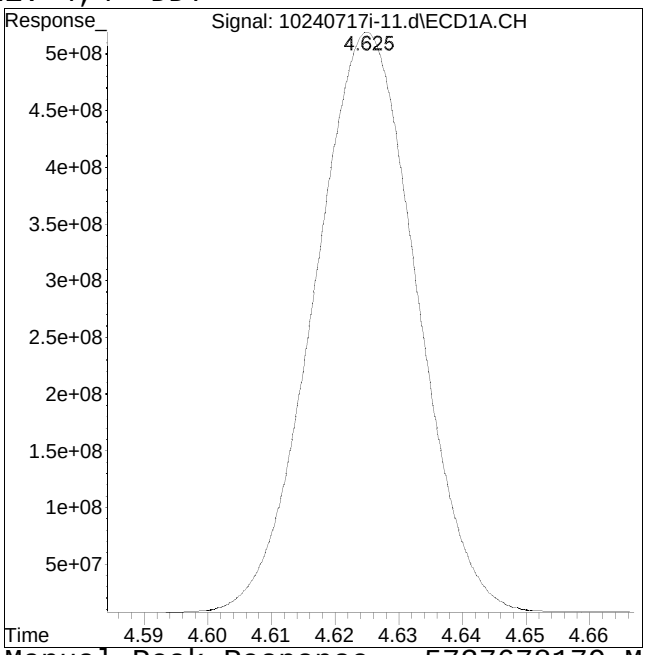
Original Peak Response = 1081861579 Manual Peak Response = 1079096352 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #21: 4,4'-DDT



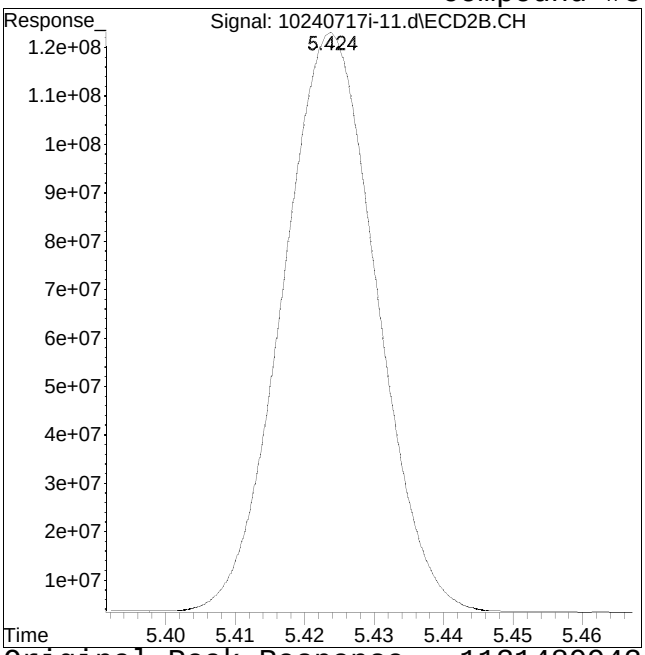


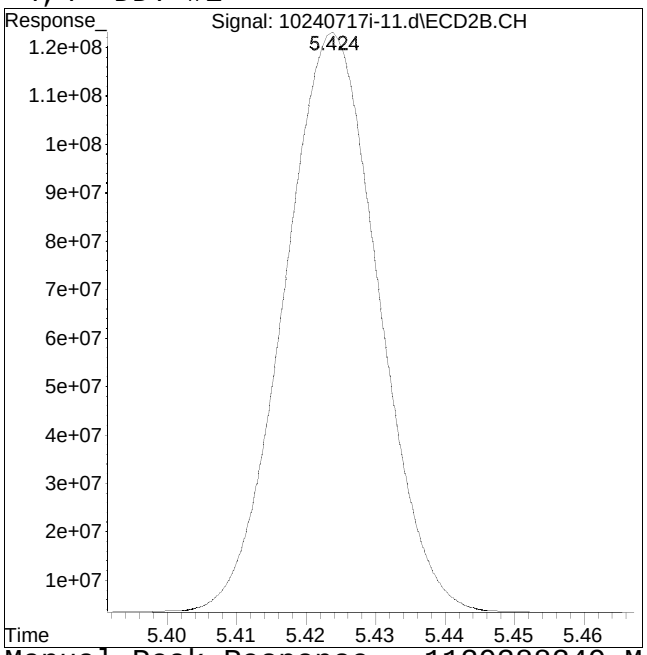
Original Peak Response = 5746563303 Manual Peak Response = 5737678179 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #59: 4,4'-DDT #2



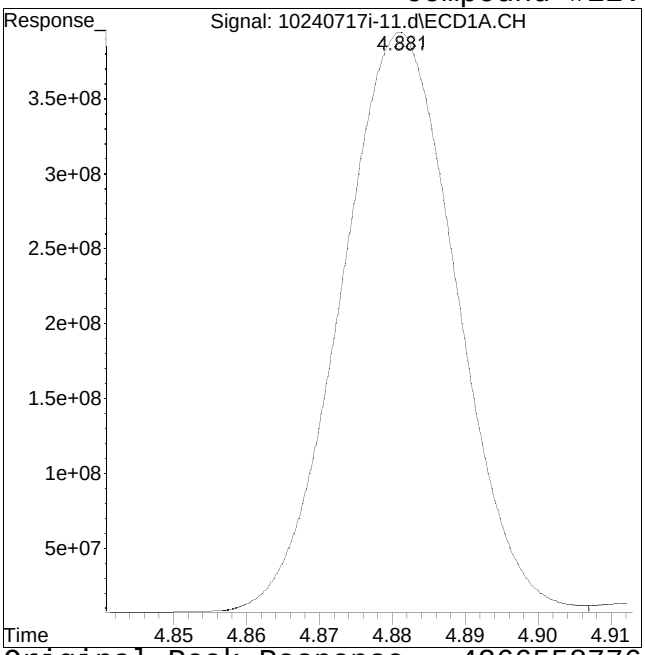


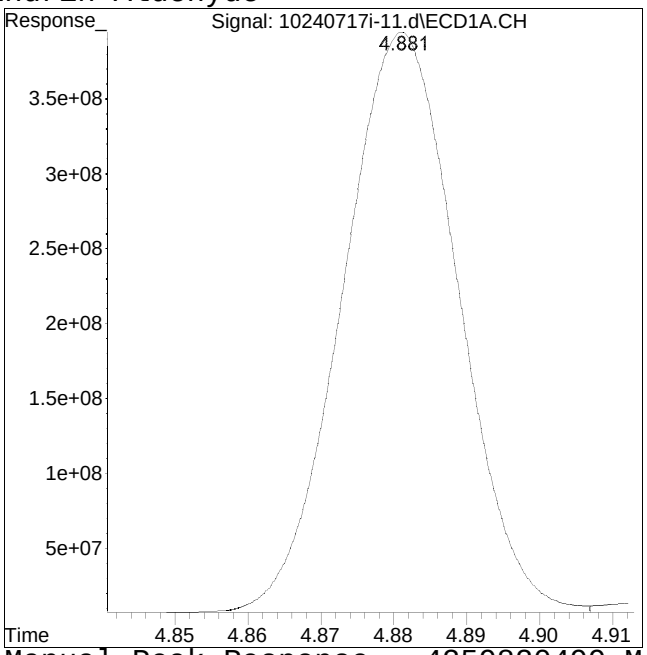
Original Peak Response = 1131489943 Manual Peak Response = 1129388249 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #22: Endrin Aldehyde



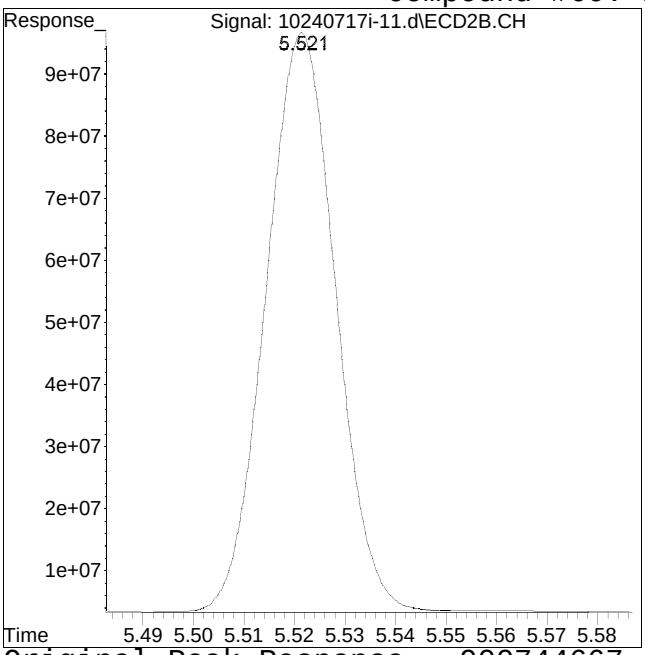


Original Peak Response = 4266558776 Manual Peak Response = 4259820499 M4
M4 = Poor automated baseline construction.

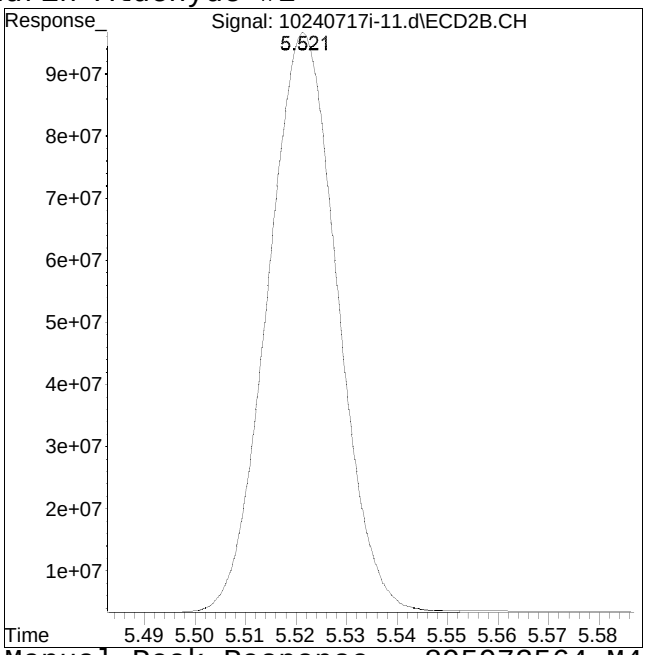
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 900744667



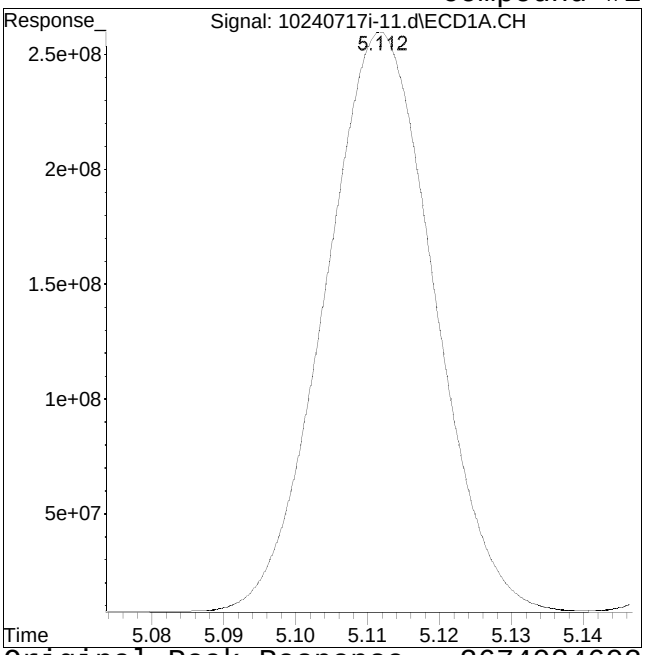
Manual Peak Response = 895973564 M4

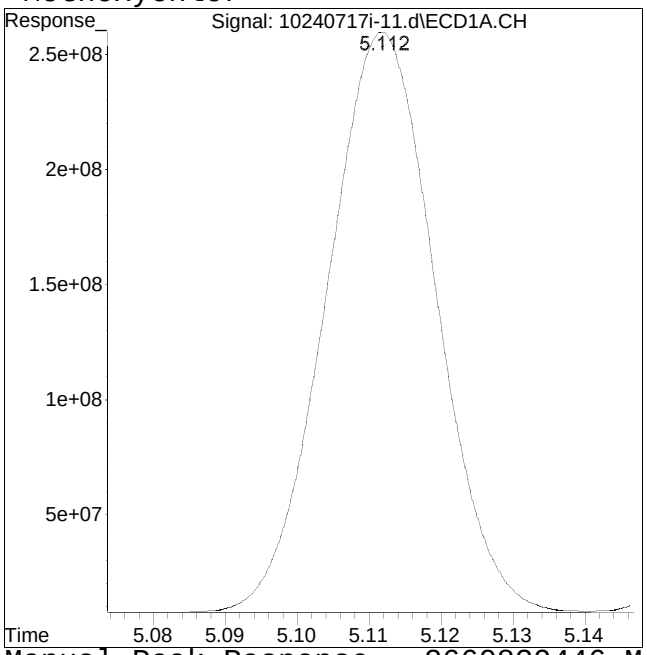
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #23: Methoxychlor



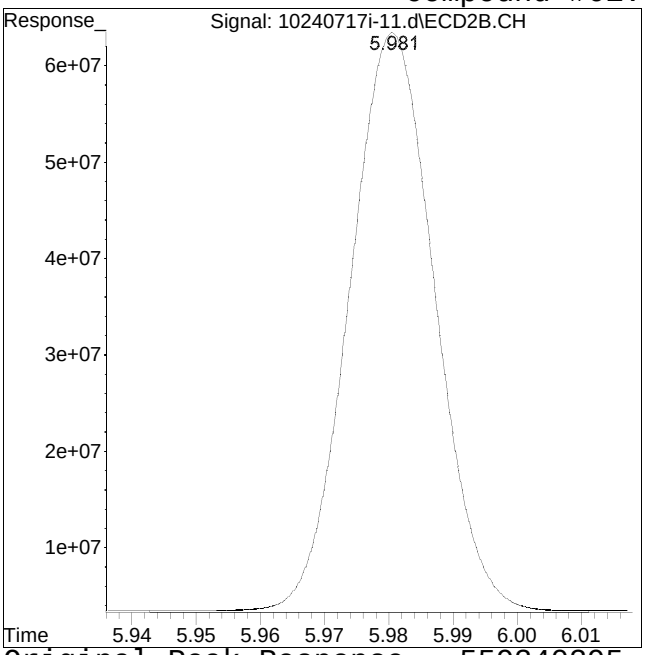


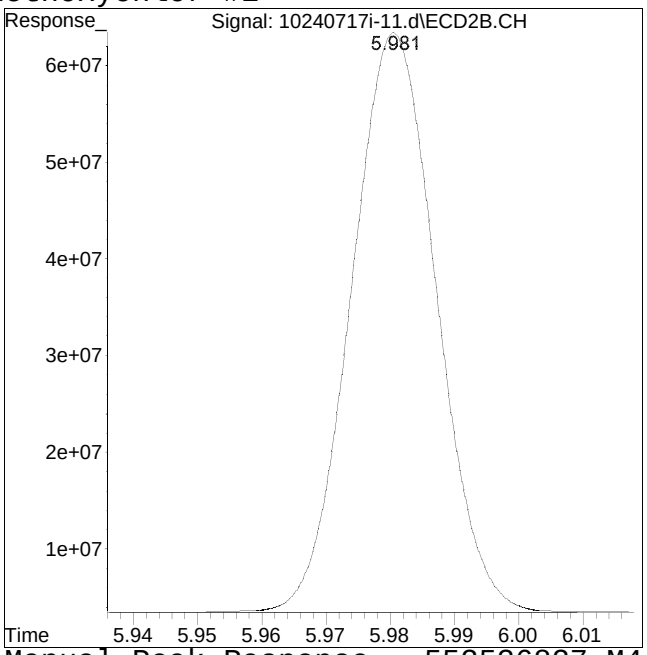
Original Peak Response = 2674024602 Manual Peak Response = 2660839446 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #61: Methoxychlor #2



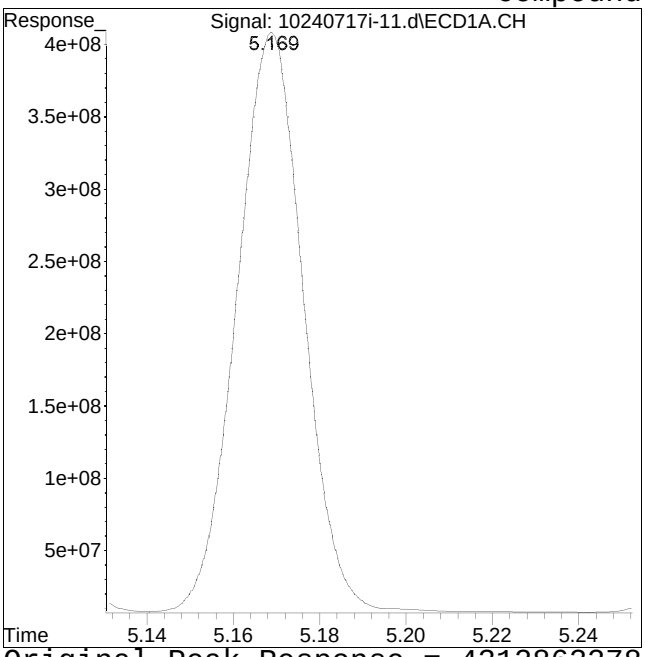


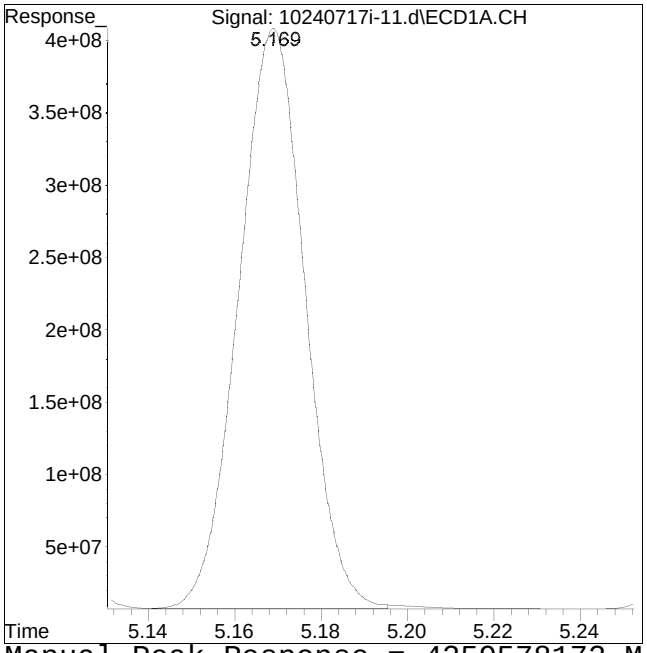
Original Peak Response = 559340395 Manual Peak Response = 552536827 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #24: Mirex



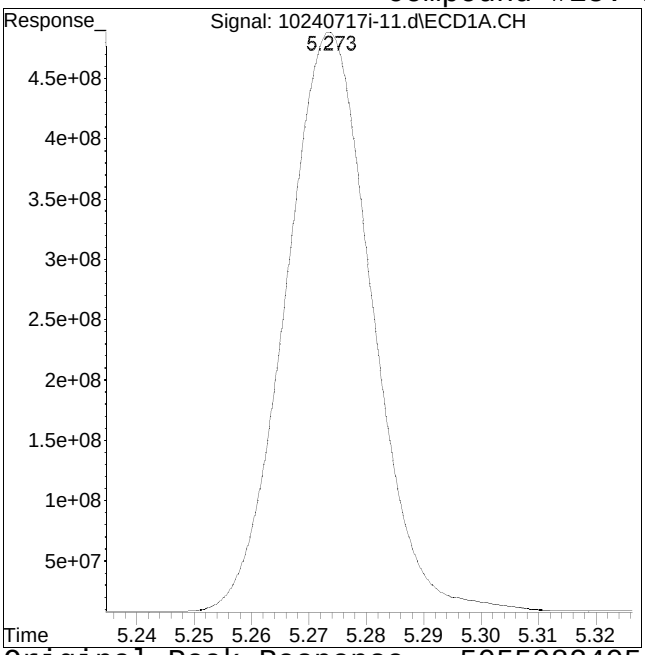


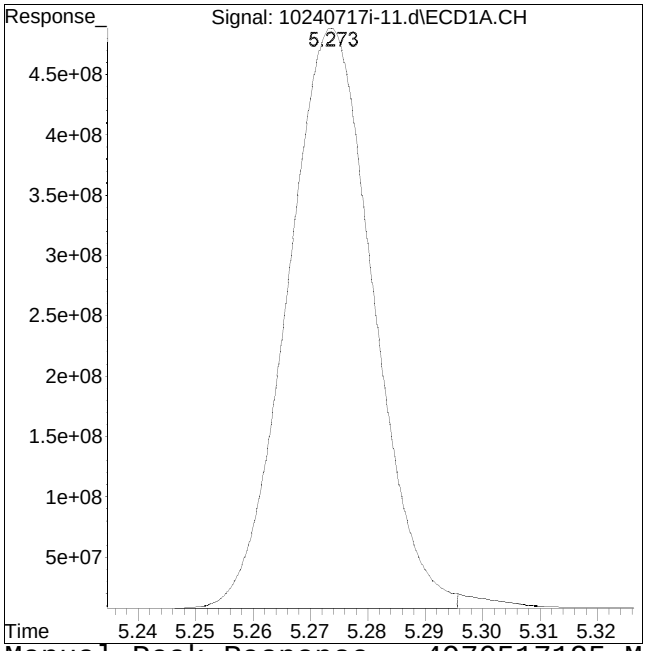
Original Peak Response = 4312863278 Manual Peak Response = 4259578172 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #25: Endosulfan Sulfate





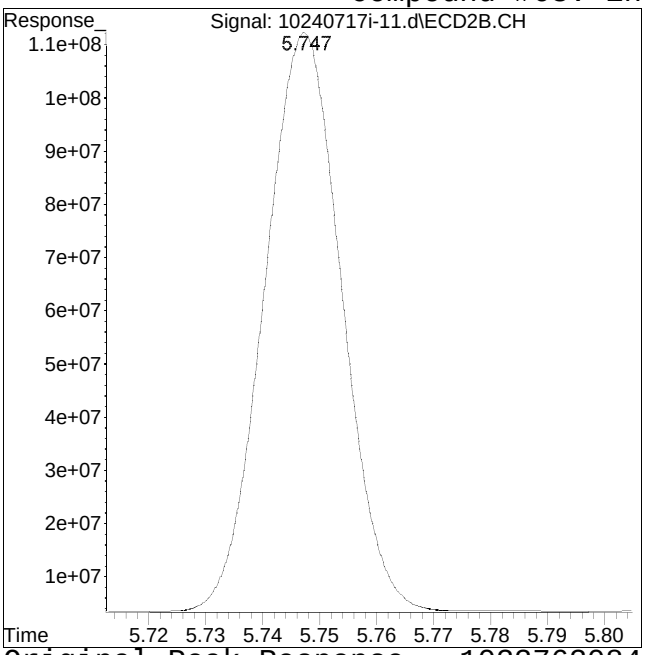
Original Peak Response = 5055982405 Manual Peak Response = 4970517125 M4
M4 = Poor automated baseline construction.

Manual Integration Report

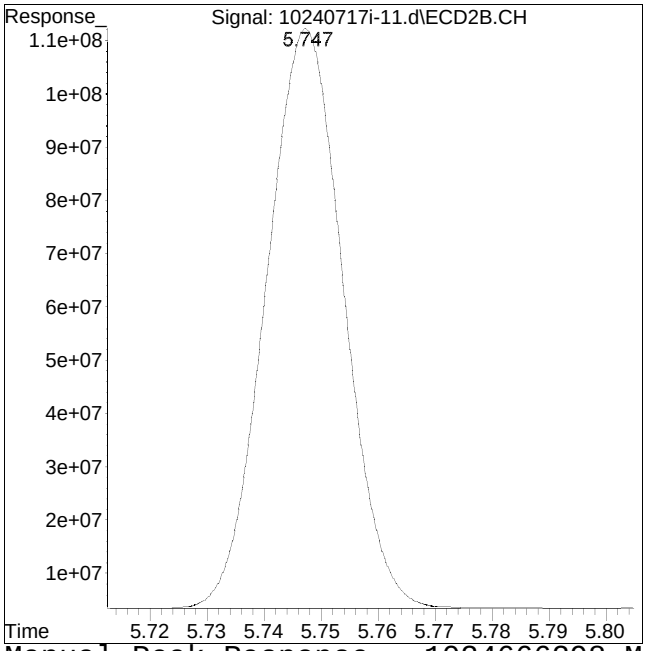
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-11.d
Date Inj'd : 7/17/2024 1:37 pm
Sample : il10pest,42e,,pp 11679 L0.

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 7:31 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 1033763084



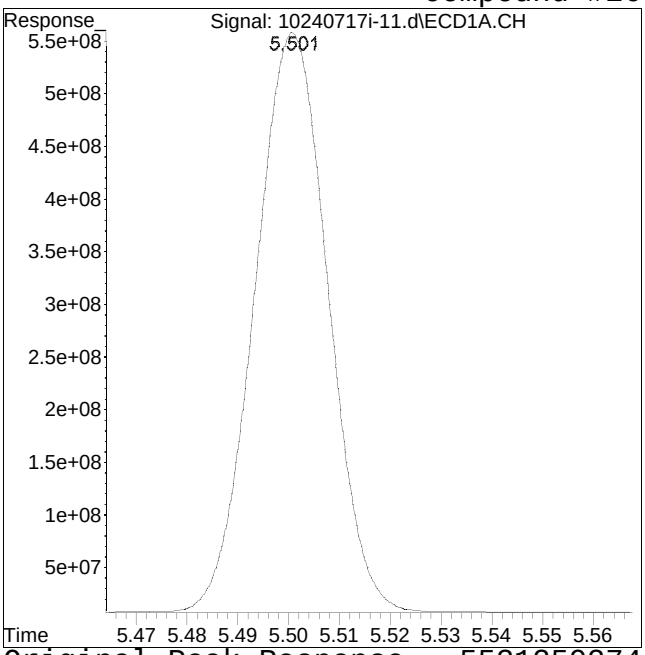
Manual Peak Response = 1024666298 M4

M4 = Poor automated baseline construction.

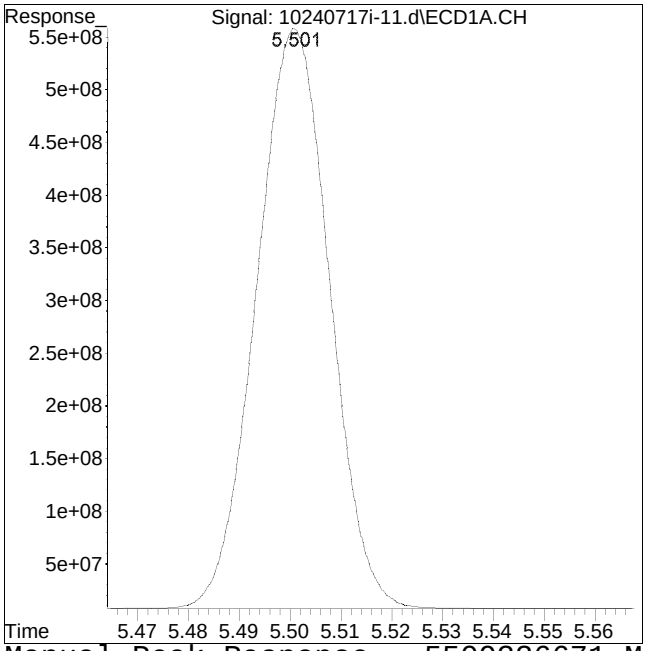
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #26: Endrin Ketone



Original Peak Response = 5531259274



Manual Peak Response = 5509336671 M4

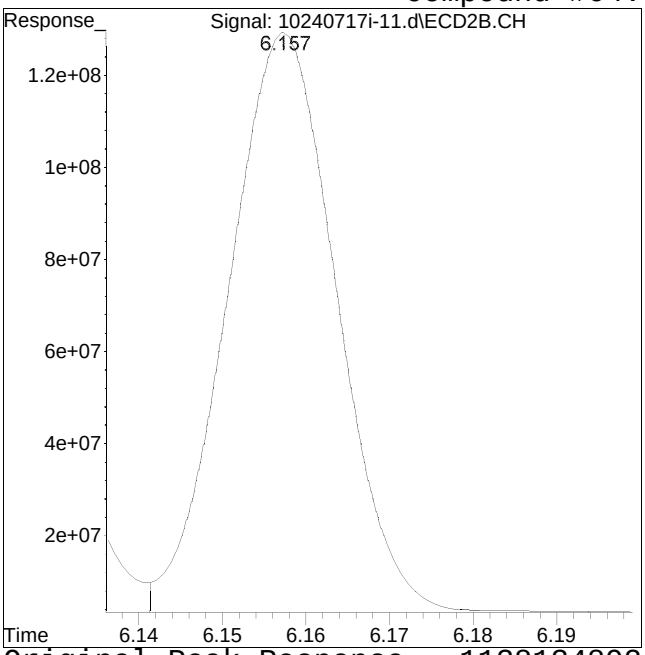
M4 = Poor automated baseline construction.

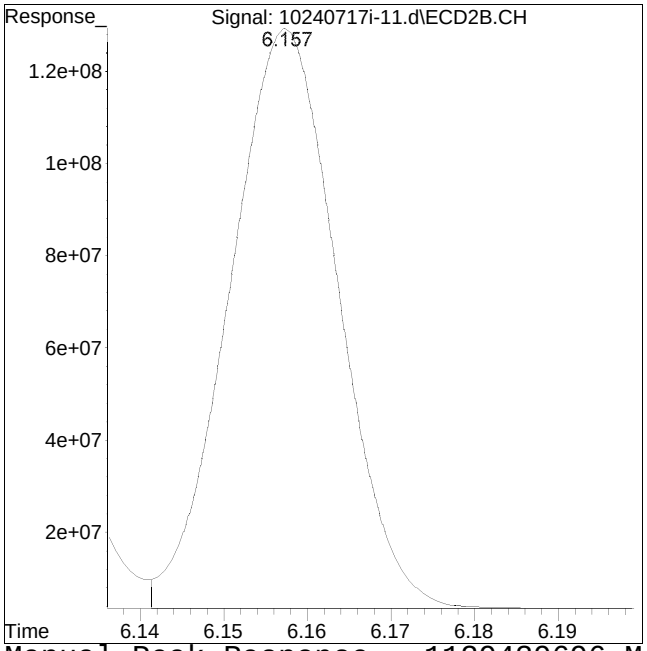
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-11.d
Date Inj'd : 7/17/2024 1:37 pm
Sample : il10pest,42e,,pp 11679 L0.

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 7:31 am

Compound #64: Endrin Ketone #2



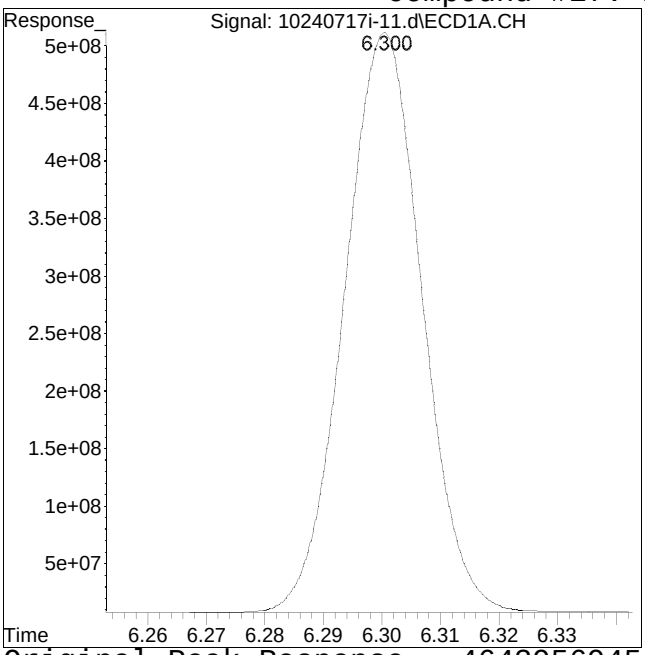


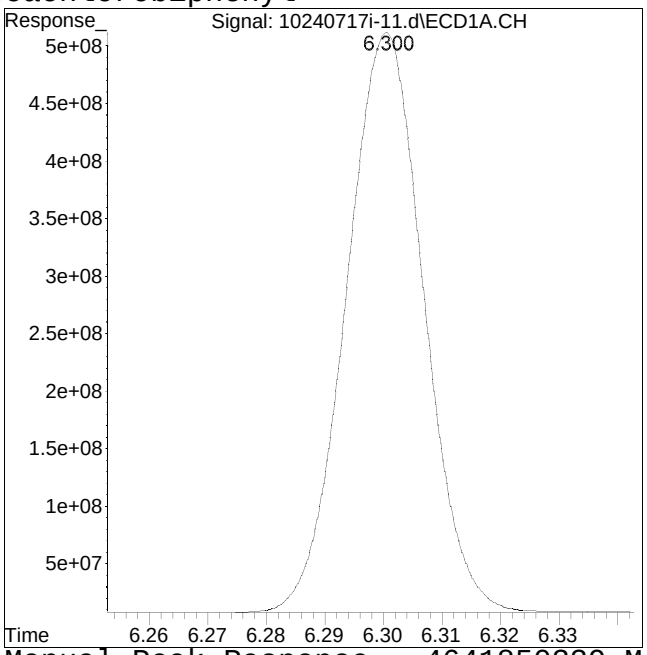
Original Peak Response = 1138134892 Manual Peak Response = 1129439696 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #27: Decachlorobiphenyl



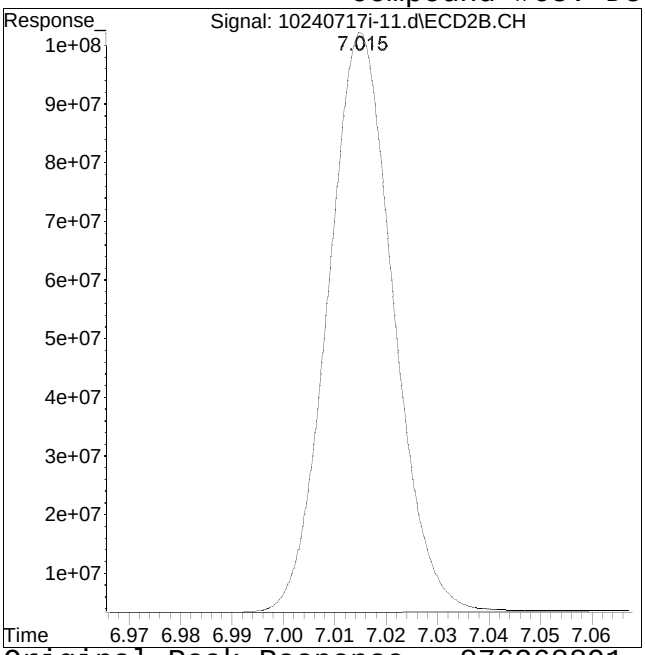


Original Peak Response = 4643956945 Manual Peak Response = 4641850339 M4
M4 = Poor automated baseline construction.

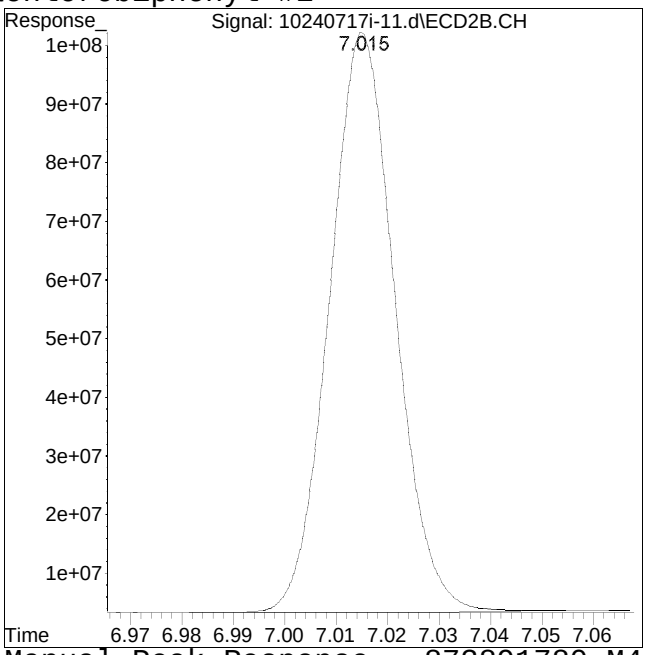
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-11.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:37 pm Instrument : Pest 10
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/18/2024 7:31 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 876268891



Manual Peak Response = 873891780 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:48 pm
Operator : PEST10:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 08:47:20 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 08:47:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.318	1.435	445.7E6	113.9E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.662	1.927	9574.2E6	2016.1E6	440.589M4	405.933
		Spiked Amount 50.000	Range 30 - 150		Recovery =		881.18%#	811.87%#
27)	s	Decachlorobi	6.300	7.015	9346.4E6	1736.2E6	463.948M4	411.363M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		927.90%#	822.73%#
		Target Compounds						
3)	t	Hexachlorobe	1.876	2.257	10492.9E6	2141.0E6	456.413M4	406.147M4
4)	t	alpha-BHC	1.974	2.355	16347.3E6	3278.9E6	462.701M4	423.242M4
5)	t	gamma-BHC (l	2.178	2.649	15133.4E6	2957.6E6	472.786M3	420.972M4
6)	t	beta-BHC	2.233	2.714	5820.2E6	1216.5E6	466.866M4	413.879M4
7)	t	delta-BHC	2.362	2.988	15839.8E6	3133.4E6	478.568M4	429.947M4
8)	t	Heptachlor	2.524	3.057	12746.2E6	2687.9E6	442.664M4	408.947M4
9)	t	Aldrin	2.767	3.383	12757.2E6	2659.9E6	452.171M4	419.791M4
10)	t	Alachlor	2.887	3.260	1306.1E6	340.3E6	389.544M4	371.581M4
11)	t	Chlorpyrifos	2.978	3.622	4501.3E6	1122.7E6	413.325M4	388.005M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:48 pm
Operator : PEST10:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 08:47:20 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 08:47:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) t	Heptachlor E	3.312	4.012	11041.0E6	2422.5E6	440.063M4	410.560M4
13) t	gamma-Chlord	3.436	4.234	11313.1E6	2315.9E6	470.571M4	428.953M4
14) t	alpha-Chlord	3.570	4.399	12586.9E6	2573.3E6	467.148M4	424.058
15) t	4,4'-DDE	3.667	4.587	12820.7E6	2635.6E6	464.899M4	427.953M4
16) t	Endosulfan I	3.707	4.458	10539.9E6	2293.7E6	443.178M4	411.301M4
17) t	Dieldrin	3.967	4.742	11739.2E6	2452.7E6	454.038M4	419.718M4
18) t	Endrin	4.223	5.035	11761.2E6	2444.7E6	446.289M4	412.166M4
19) t	4,4'-DDD	4.331	5.149	10438.0E6	2101.4E6	470.796M4	431.496M4
20) t	Endosulfan I	4.463	5.229	10168.6E6	2137.6E6	447.535M4	411.582M4
21) t	4,4'-DDT	4.624	5.424	11642.8E6	2295.5E6	470.331M4	428.976M4
22) t	Endrin Aldeh	4.880	5.521	8316.0E6	1775.0E6	445.936M4	411.588M3
23) t	Methoxychlor	5.111	5.980	5053.0E6	1075.7E6	428.964M4	401.889M4
24) t	Mirex	5.168	6.124	8748.4E6	1689.6E6	467.342M3	411.172
25) t	Endosulfan S	5.273	5.747	9796.5E6	2035.3E6	450.368M4	414.338M3
26) t	Endrin Keton	5.500	6.157	10507.1E6	2217.7E6	434.015M4	406.702M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:48 pm
Operator : PEST10:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 08:47:20 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 08:47:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

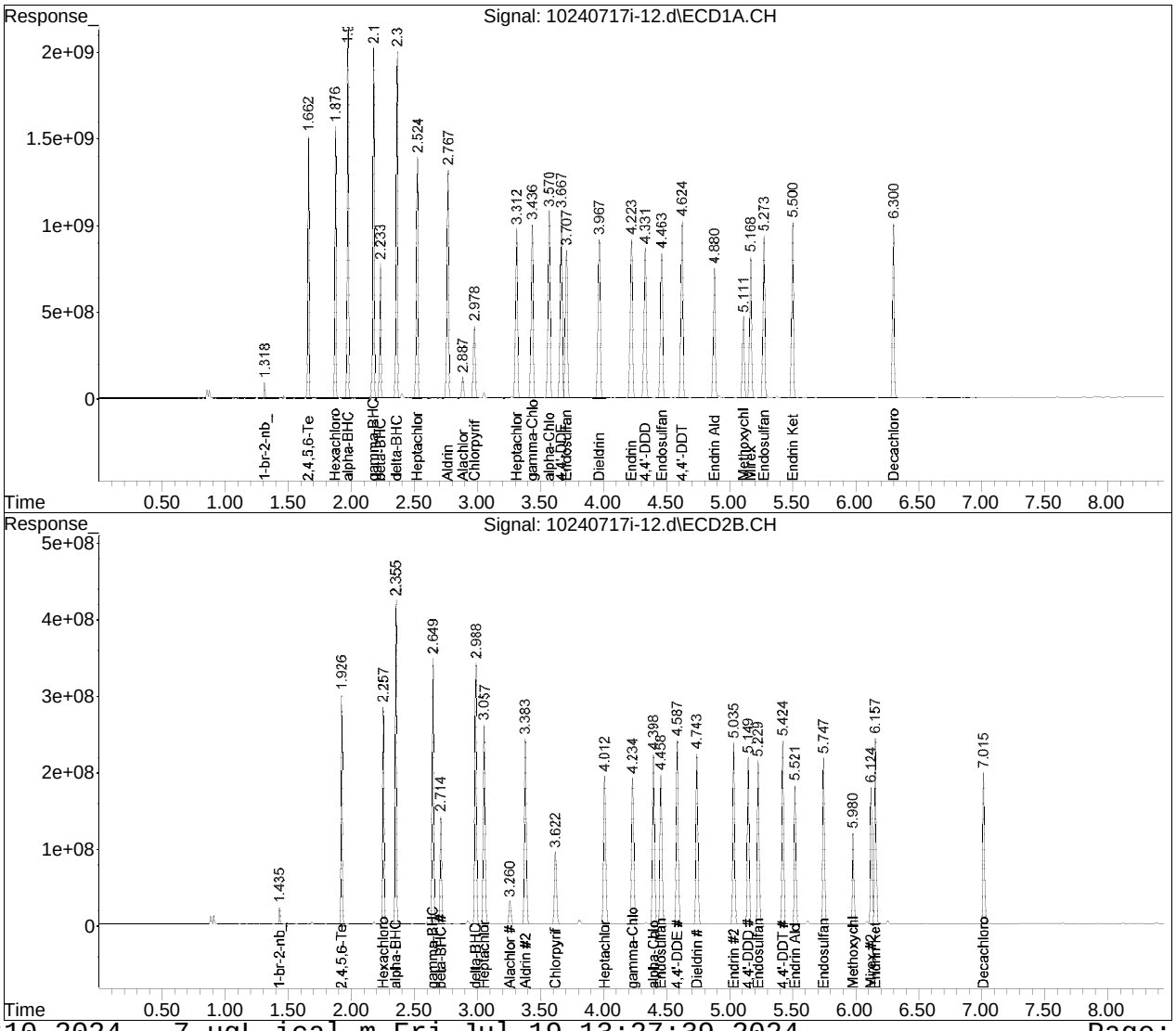
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:48 pm
Operator : PEST10:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 08:47:20 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 08:47:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

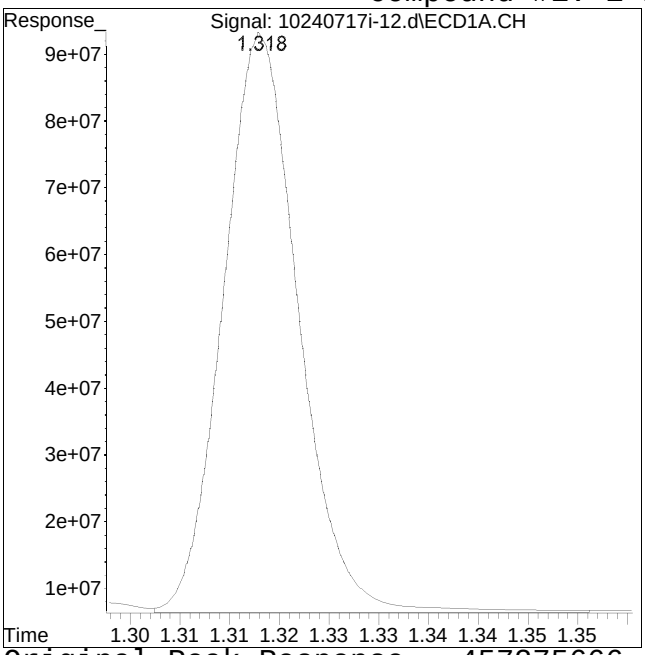
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



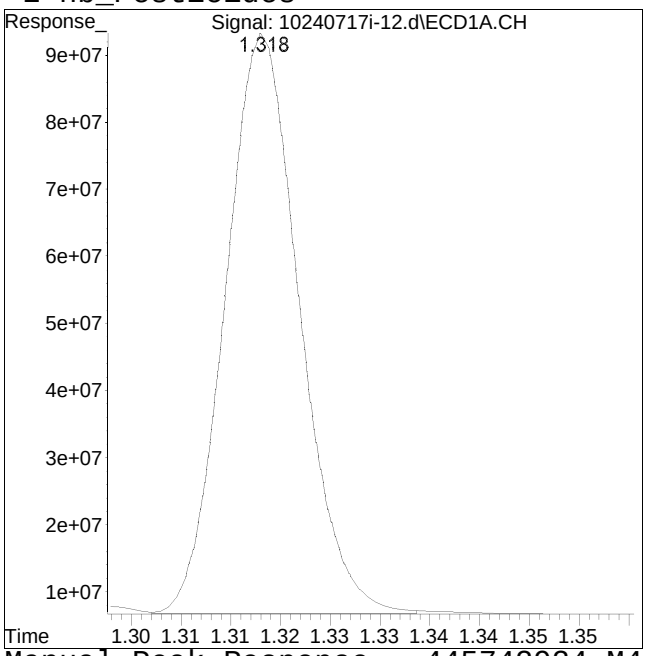
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 457275666



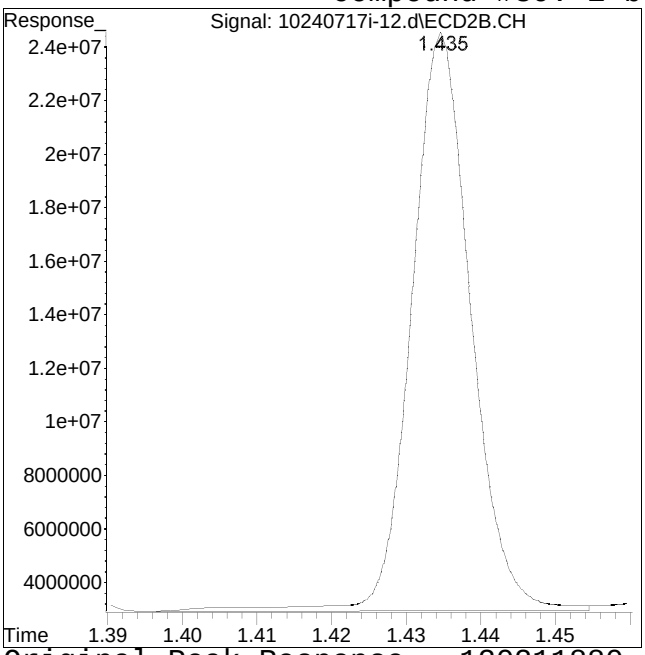
Manual Peak Response = 445742924 M4

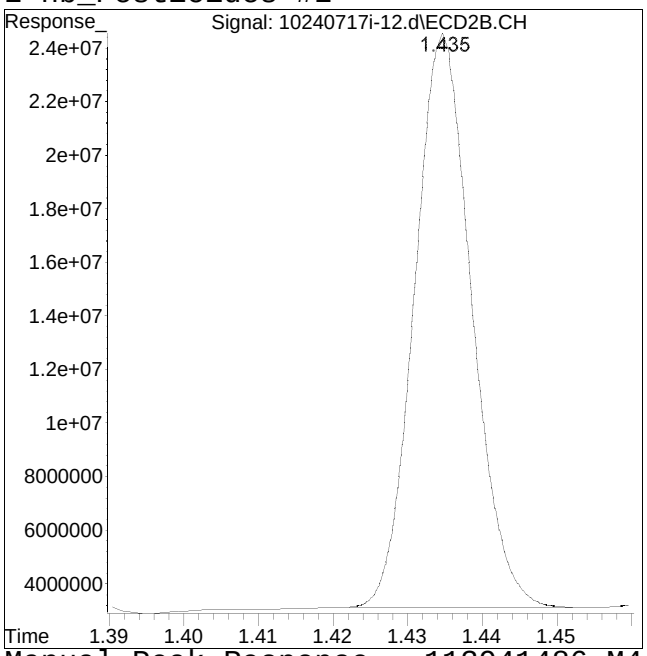
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #39: 1-br-2-nb_Pesticides #2



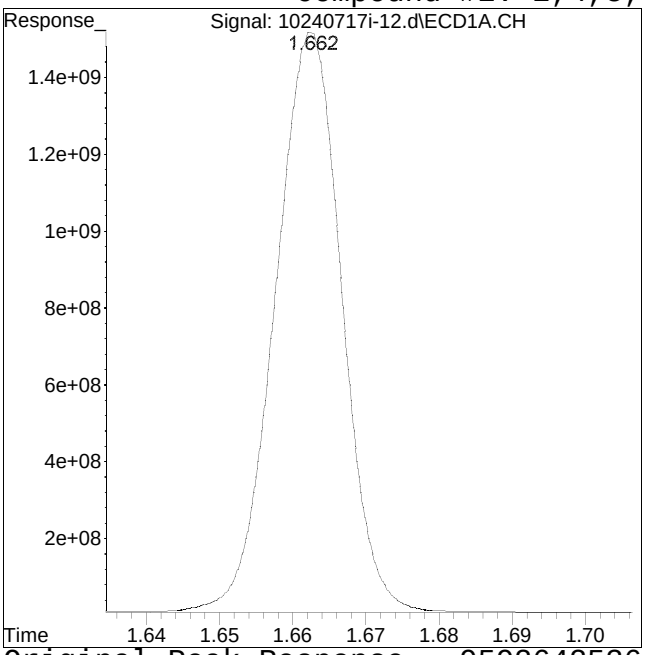


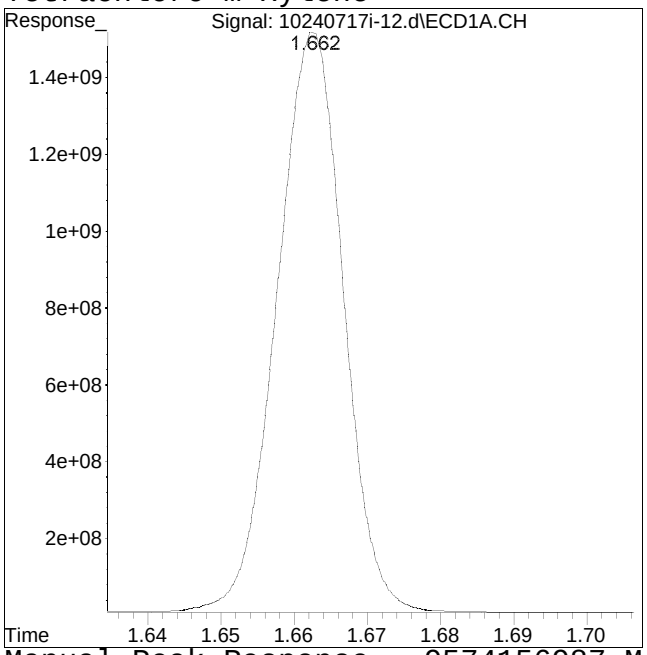
Original Peak Response = 120211880 Manual Peak Response = 113941486 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



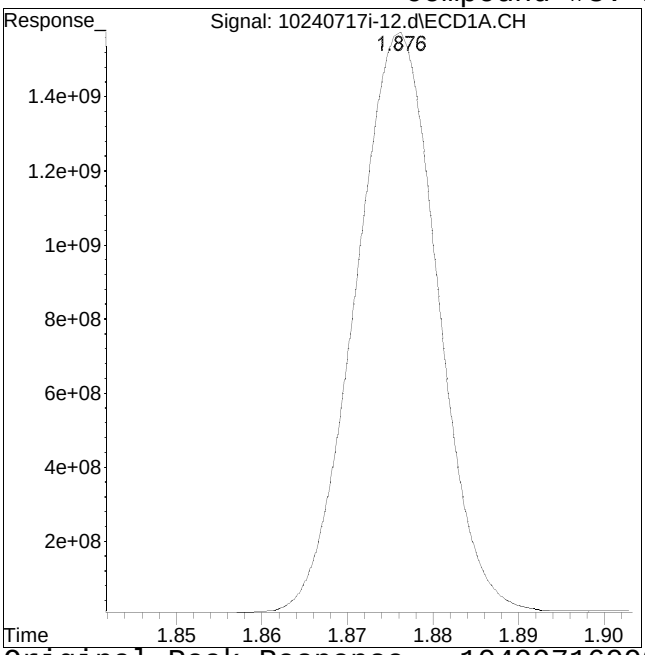


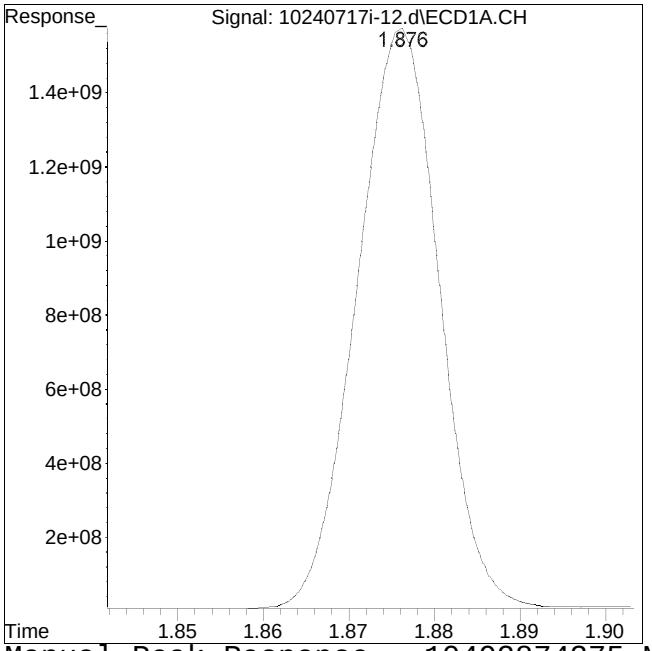
Original Peak Response = 9592642536 Manual Peak Response = 9574156987 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #3: Hexachlorobenzene



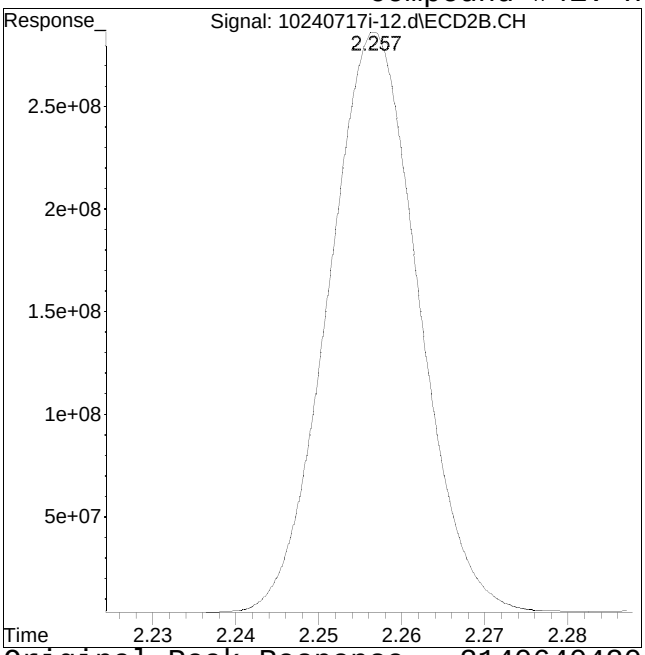


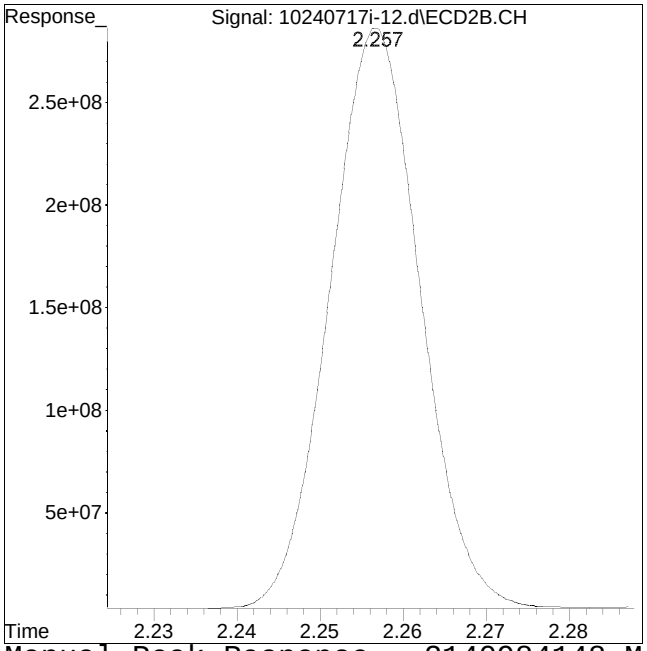
Original Peak Response = 10499716099 Manual Peak Response = 10492874375 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #41: Hexachlorobenzene #2



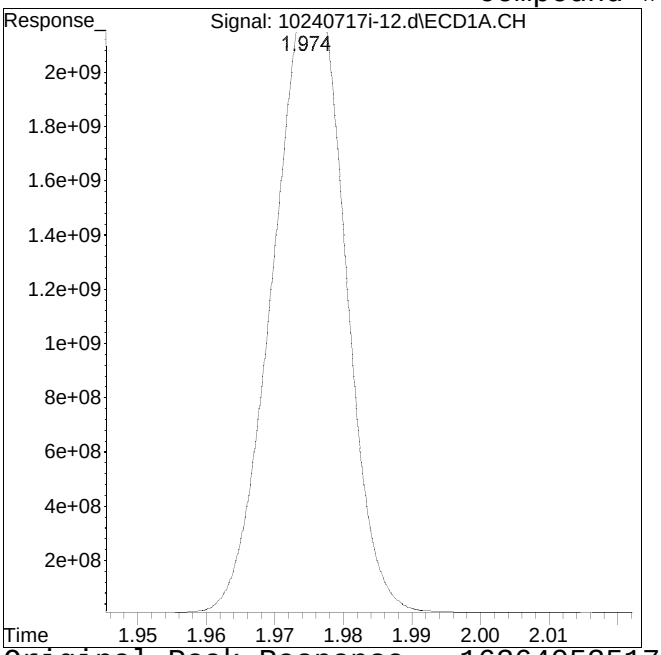


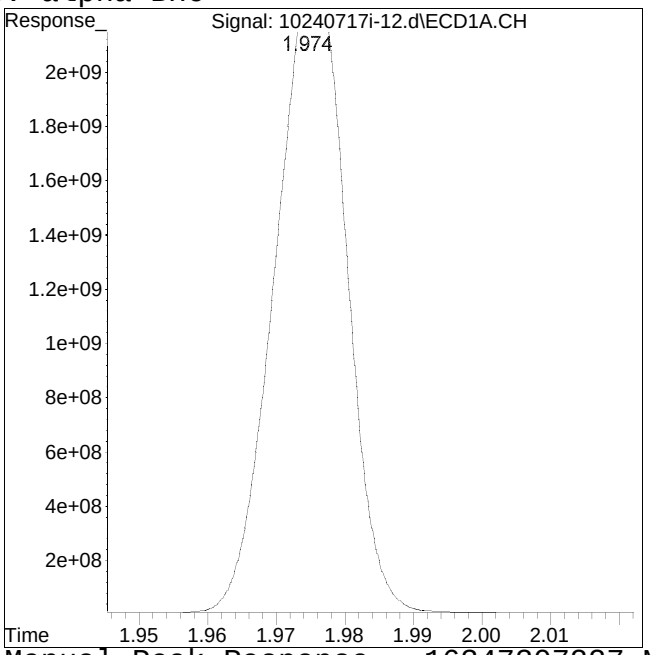
Original Peak Response = 2140640420 Manual Peak Response = 2140984148 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #4: alpha-BHC



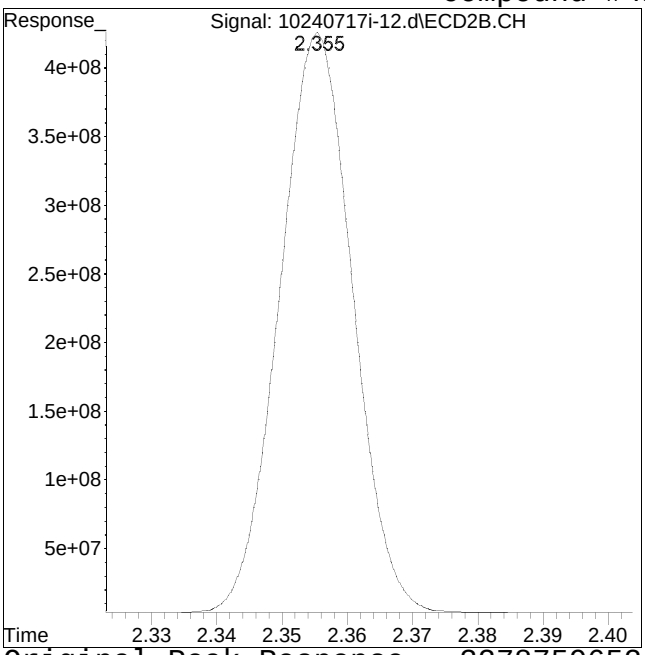


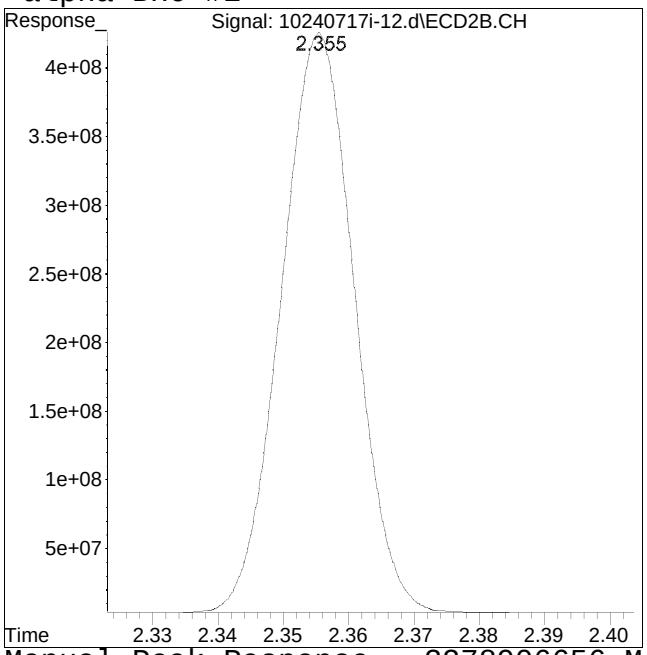
Original Peak Response = 16364053517 Manual Peak Response = 16347307227 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #42: alpha-BHC #2



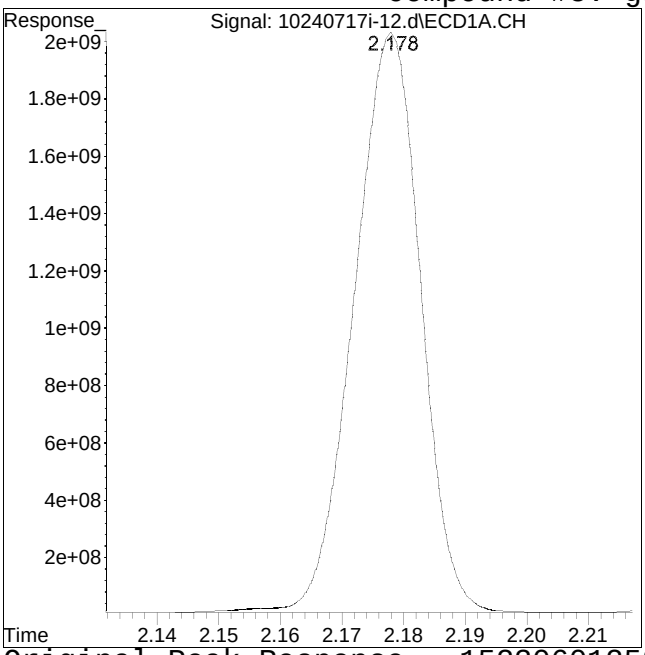


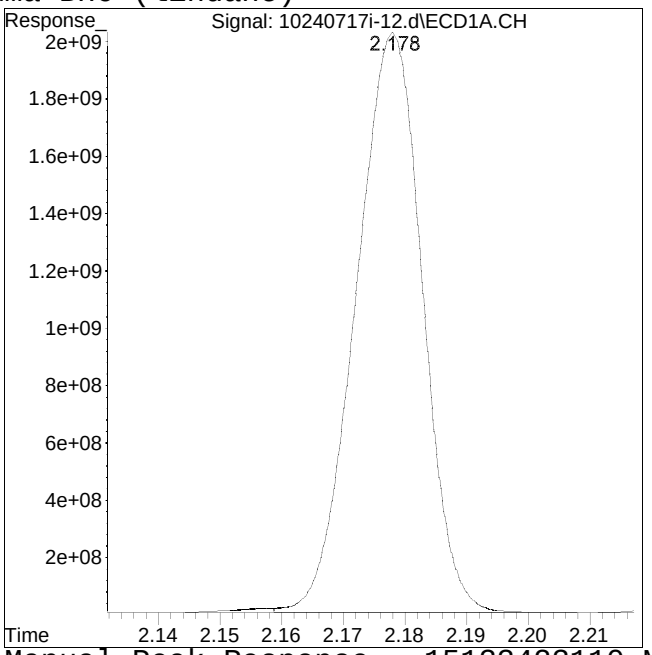
Original Peak Response = 3278759652 Manual Peak Response = 3278906656 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #5: gamma-BHC (lindane)



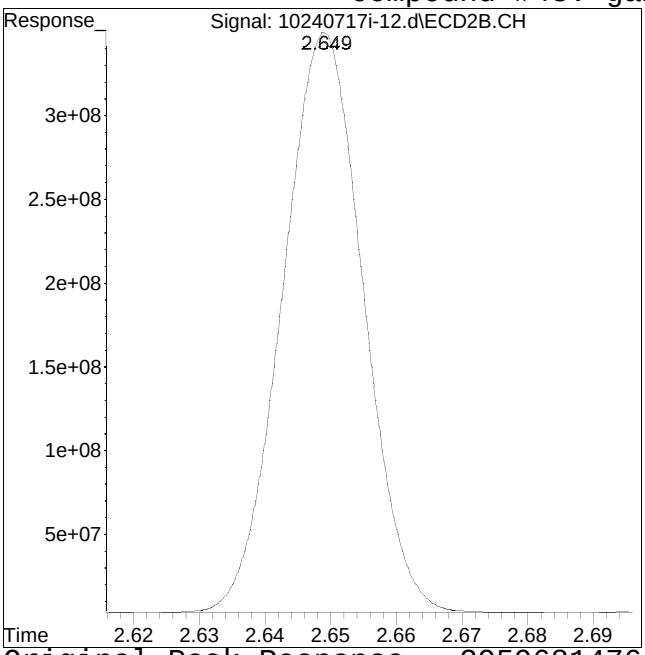


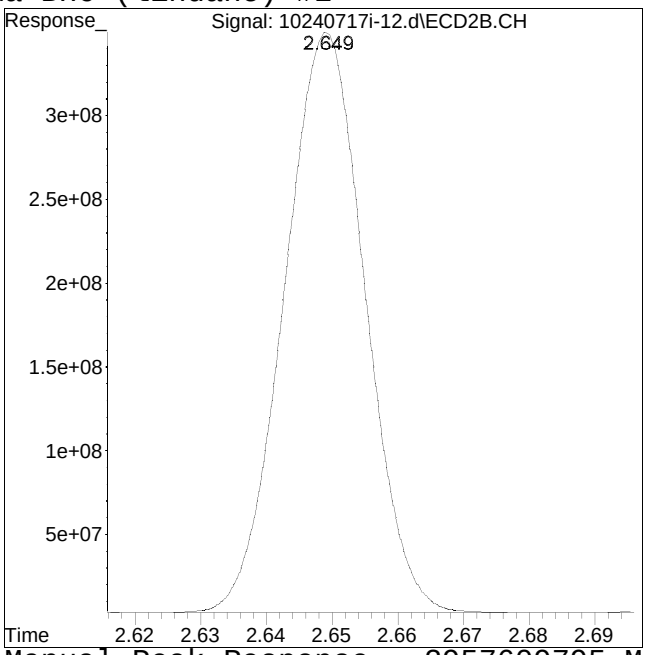
Original Peak Response = 15230601258 Manual Peak Response = 15133423110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #43: gamma-BHC (lindane) #2



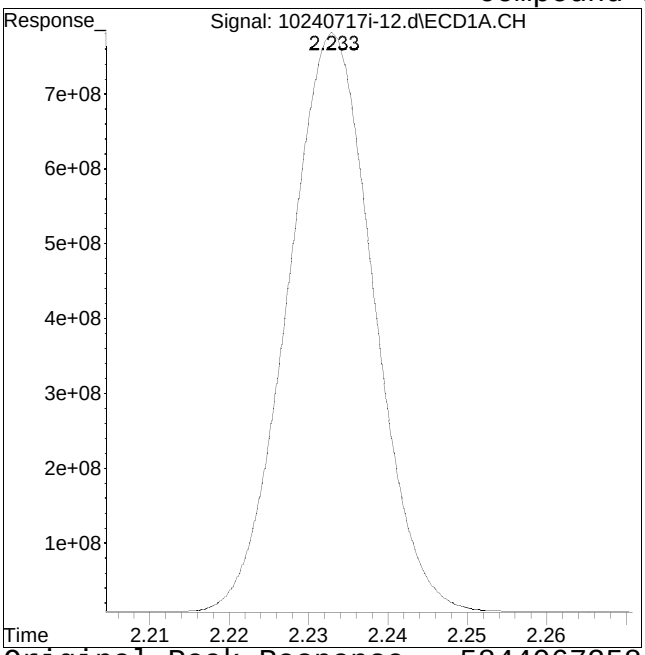


Original Peak Response = 2959681476 Manual Peak Response = 2957609795 M4
M4 = Poor automated baseline construction.

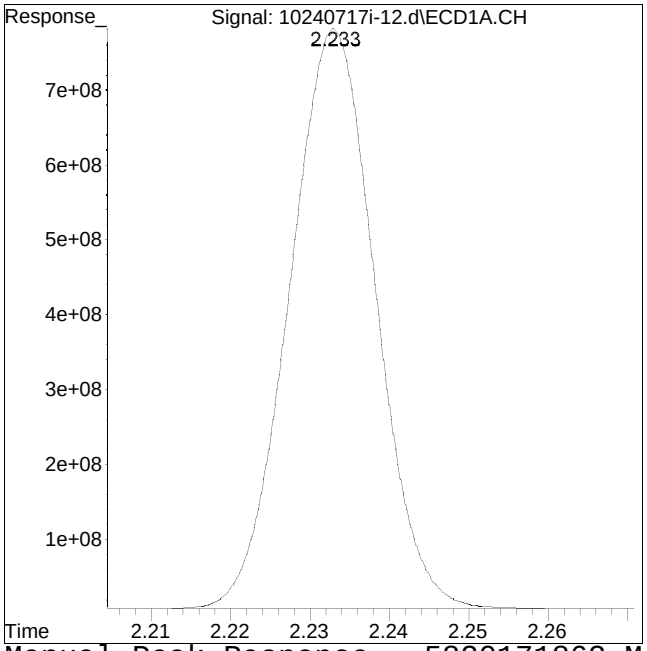
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #6: beta-BHC



Original Peak Response = 5844067258

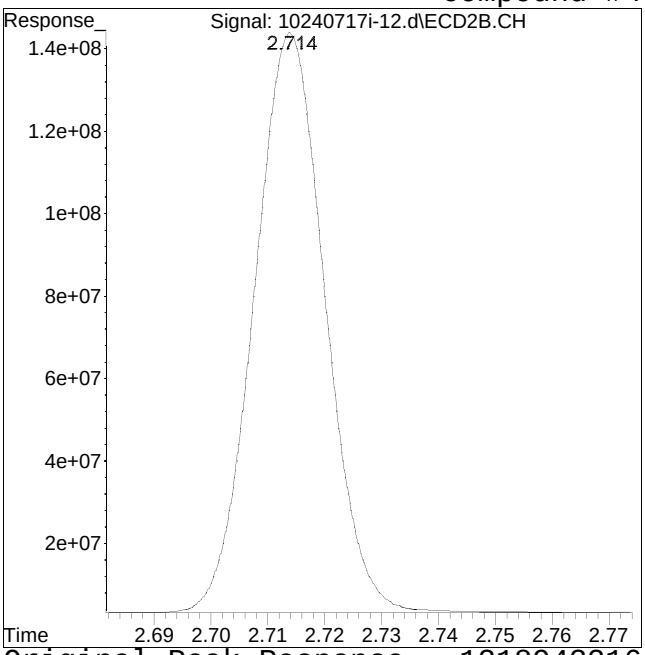


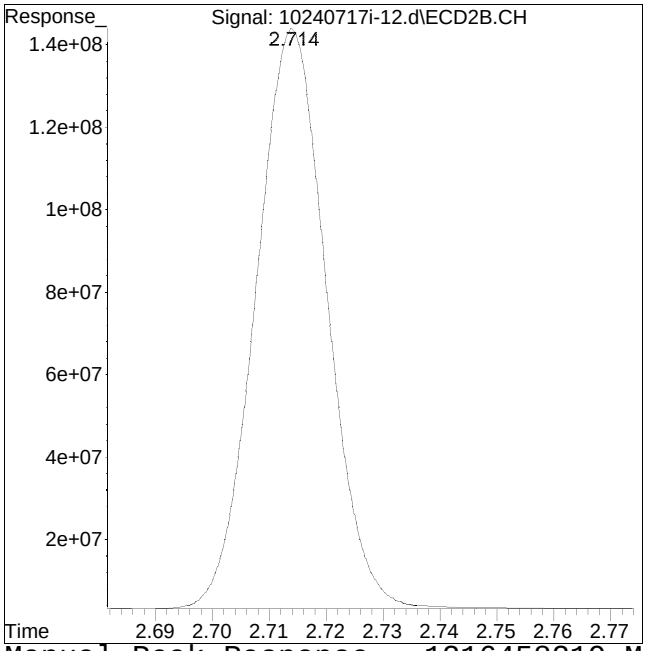
Manual Peak Response = 5820171863 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #44: beta-BHC #2



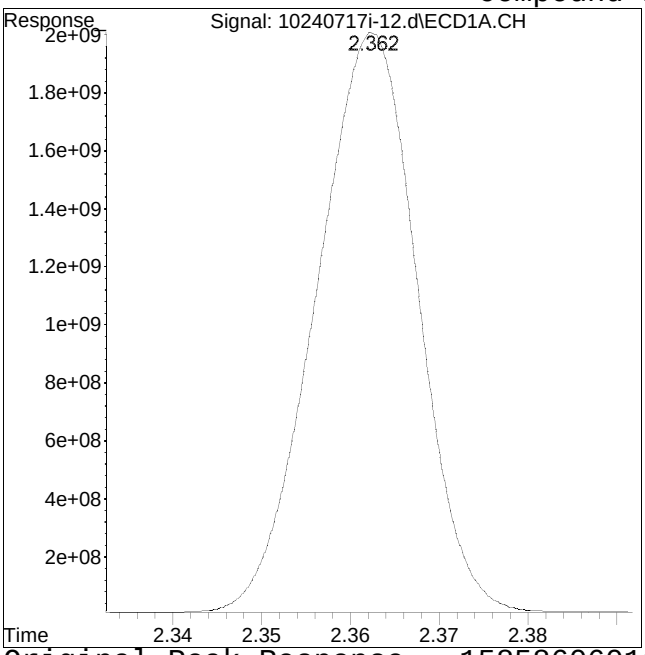


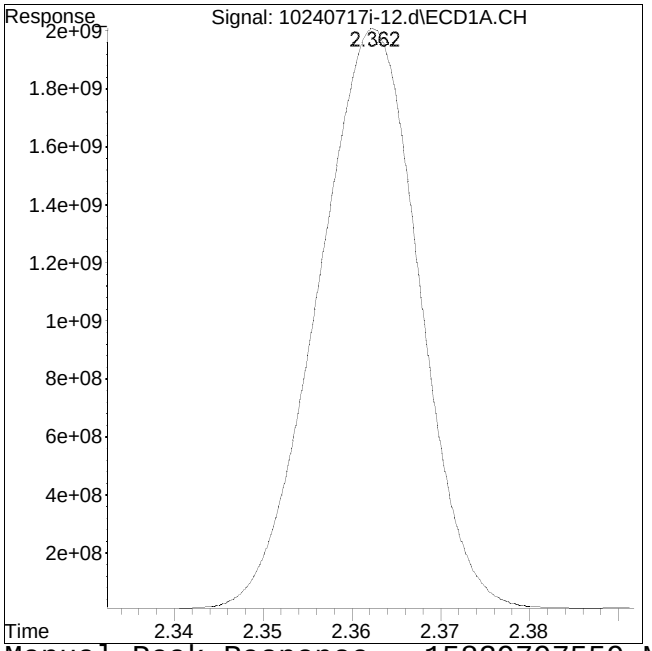
Original Peak Response = 1218943216 Manual Peak Response = 1216458219 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #7: delta-BHC



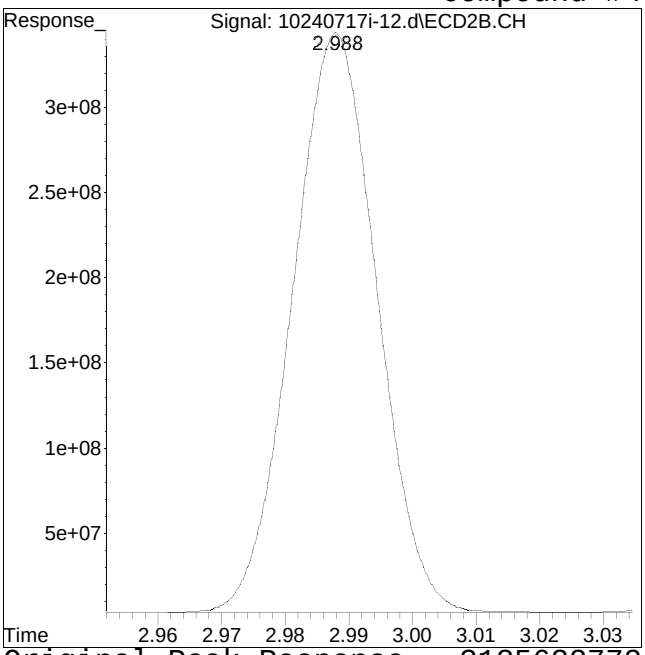


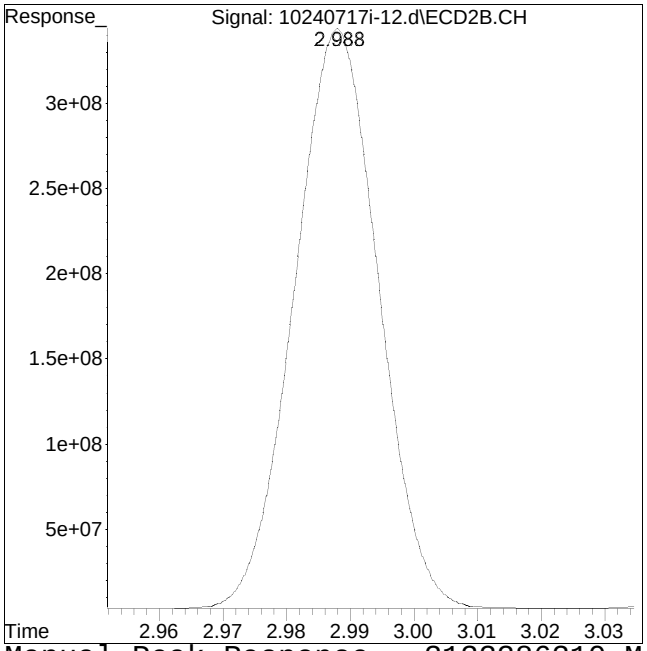
Original Peak Response = 15858606016 Manual Peak Response = 15839797559 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #45: delta-BHC #2



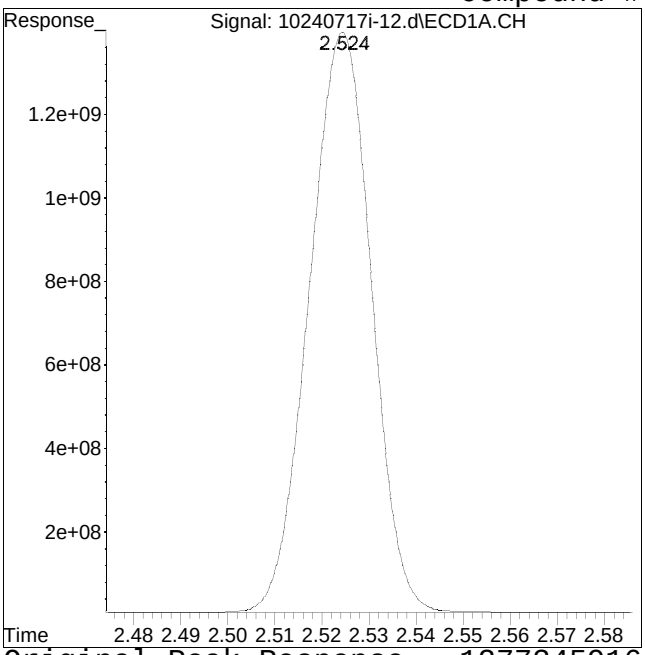


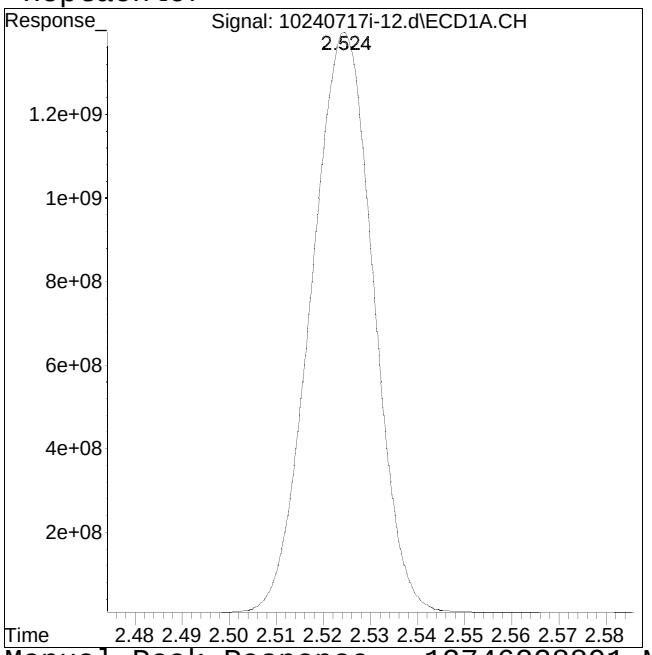
Original Peak Response = 3135622772 Manual Peak Response = 3133386310 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #8: Heptachlor



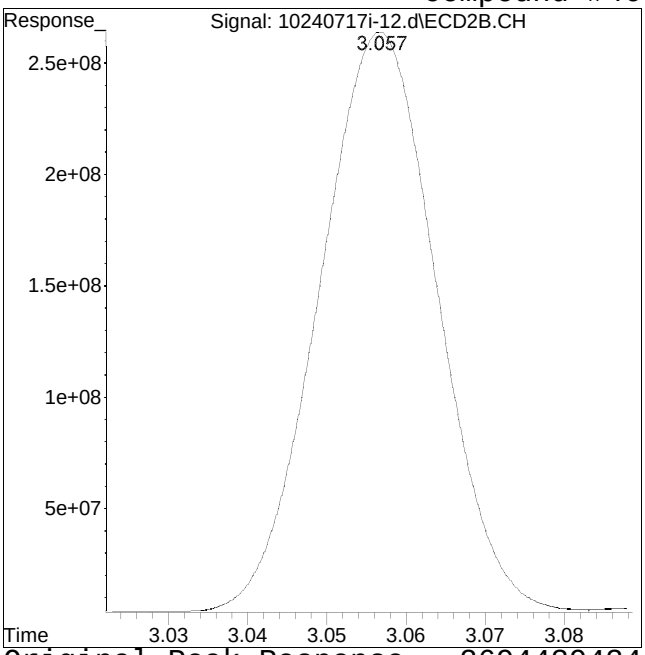


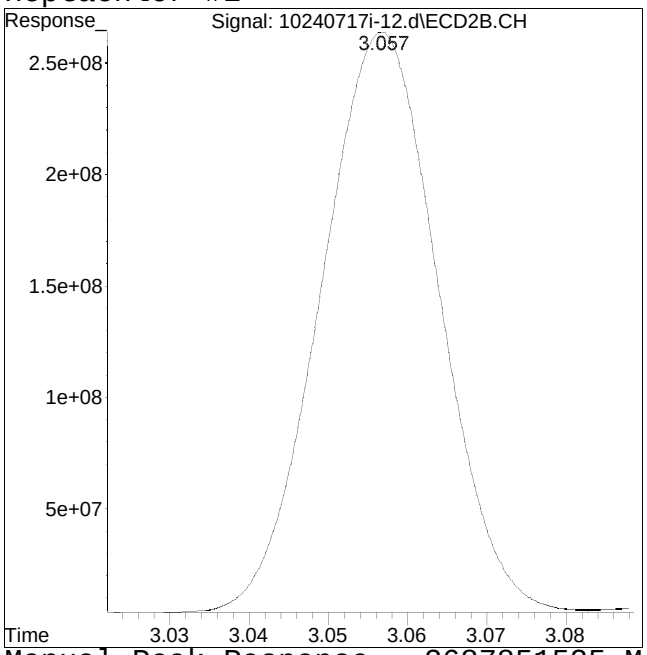
Original Peak Response = 12773459164 Manual Peak Response = 12746228891 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #46: Heptachlor #2



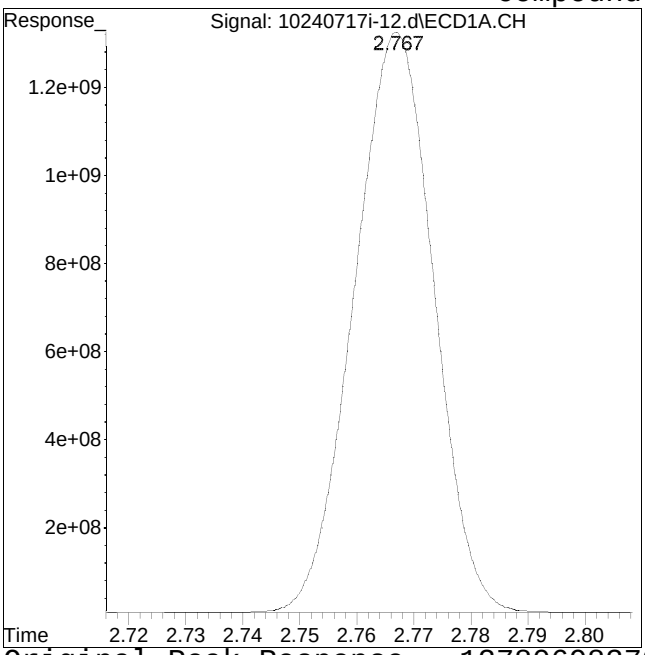


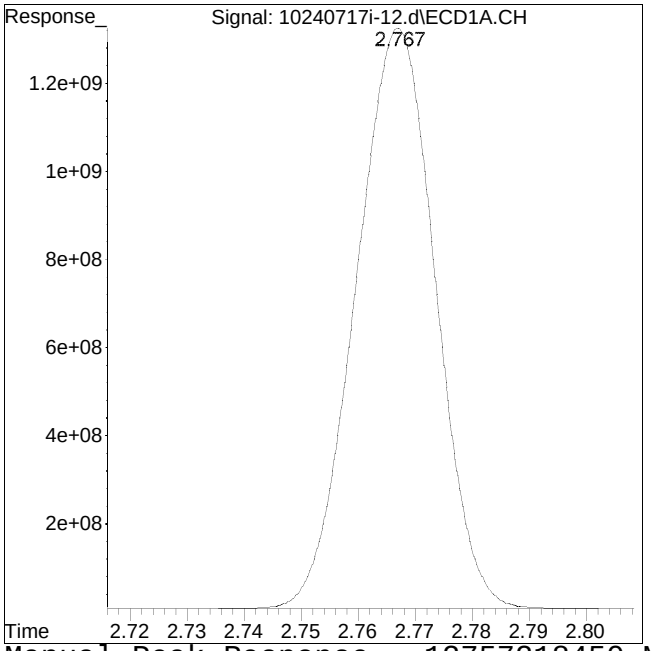
Original Peak Response = 2694439434 Manual Peak Response = 2687851525 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #9: Aldrin



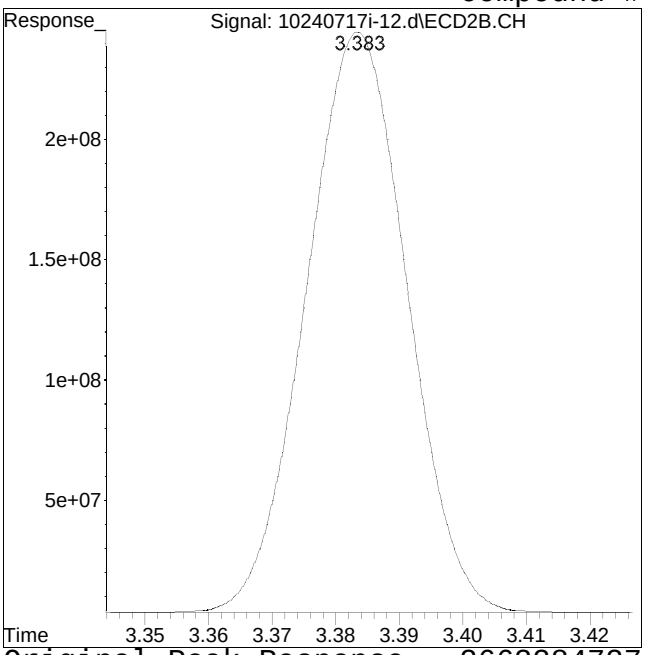


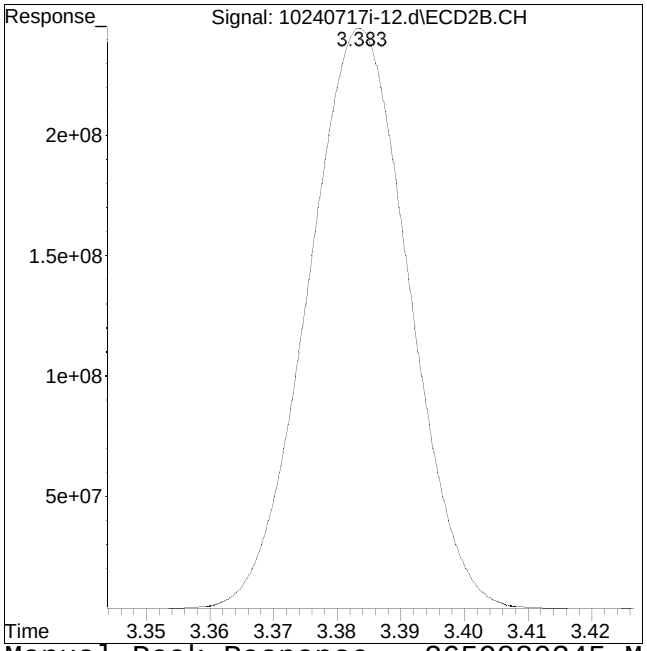
Original Peak Response = 12780698379 Manual Peak Response = 12757218450 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #47: Aldrin #2



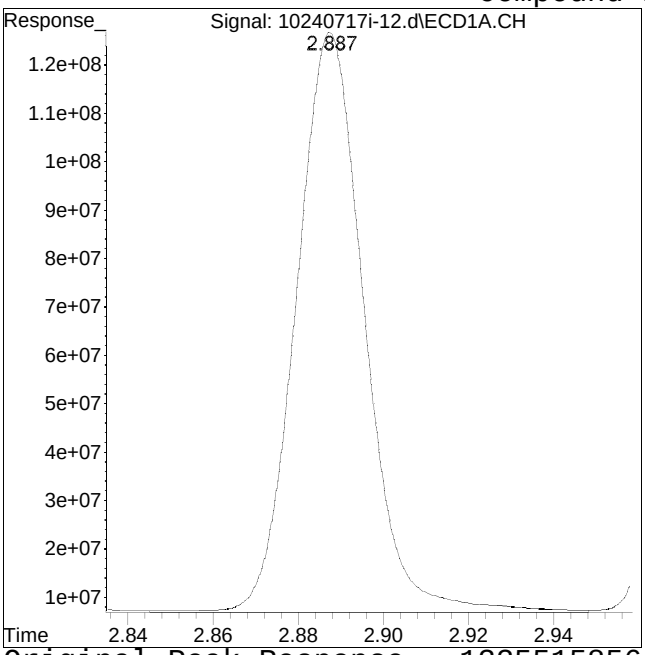


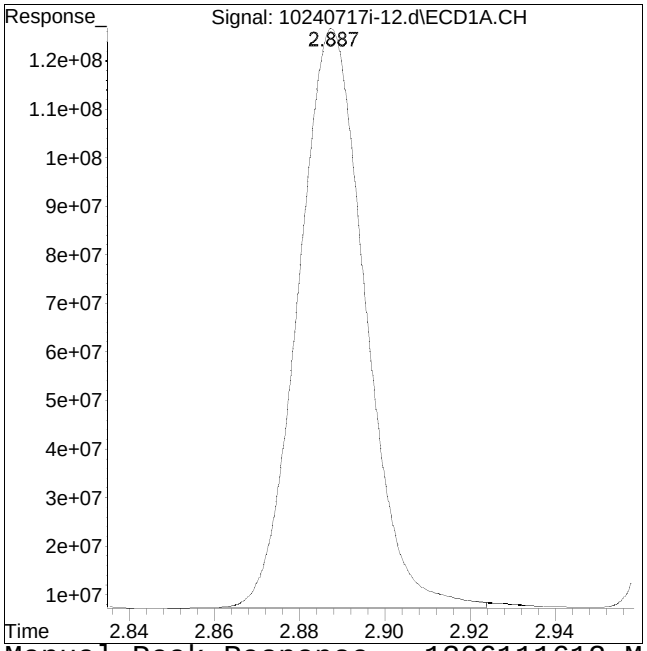
Original Peak Response = 2663284727 Manual Peak Response = 2659880345 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #10: Alachlor



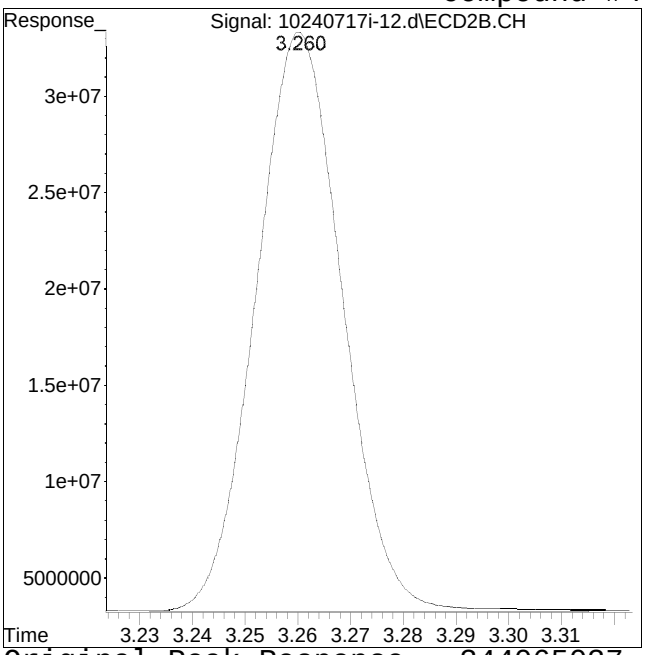


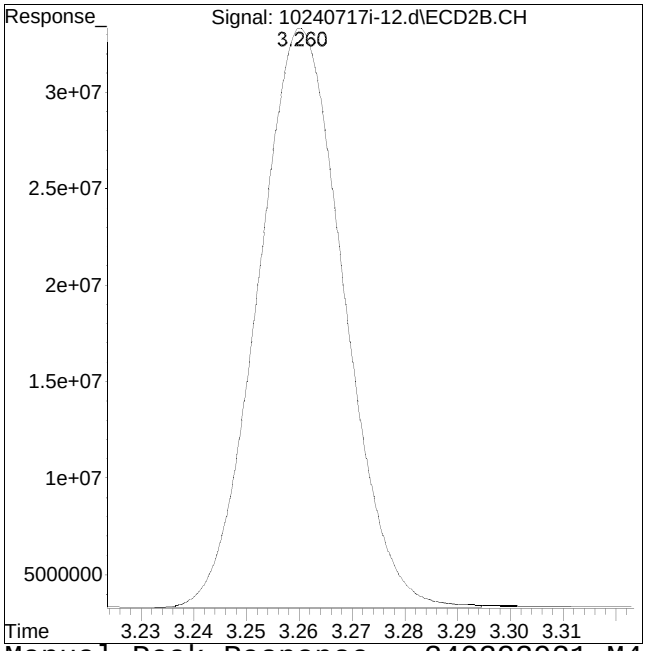
Original Peak Response = 1335515856 Manual Peak Response = 1306111612 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #48: Alachlor #2



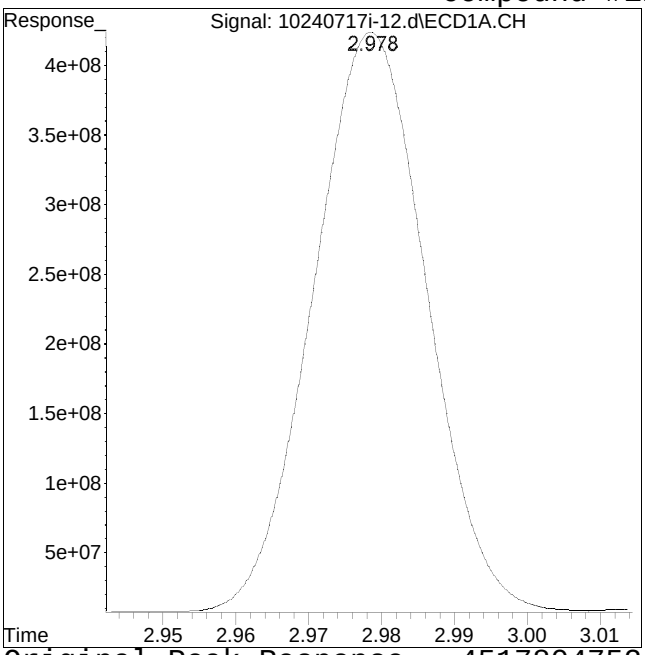


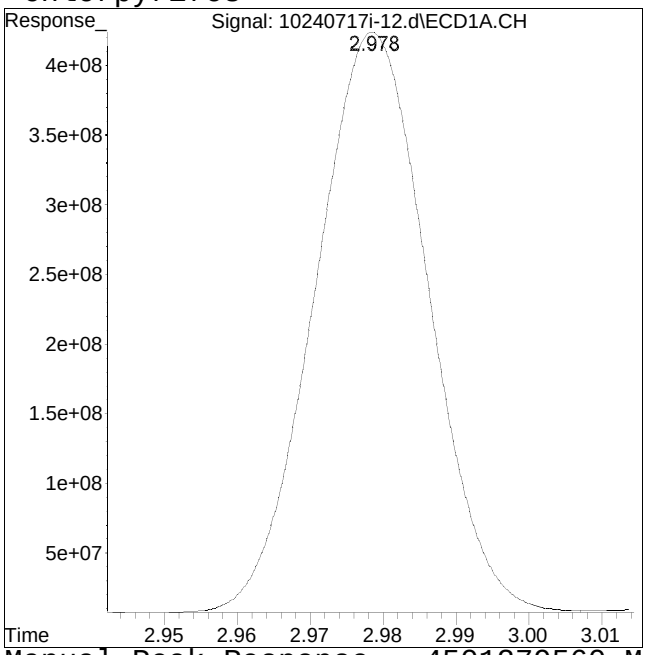
Original Peak Response = 344065037 Manual Peak Response = 340323921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-12.d
Date Inj'd : 7/17/2024 1:48 pm
Sample : il11pest,42e,,pp 11678 L0.
Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/18/2024 8:47 am

Compound #11: Chlorpyrifos



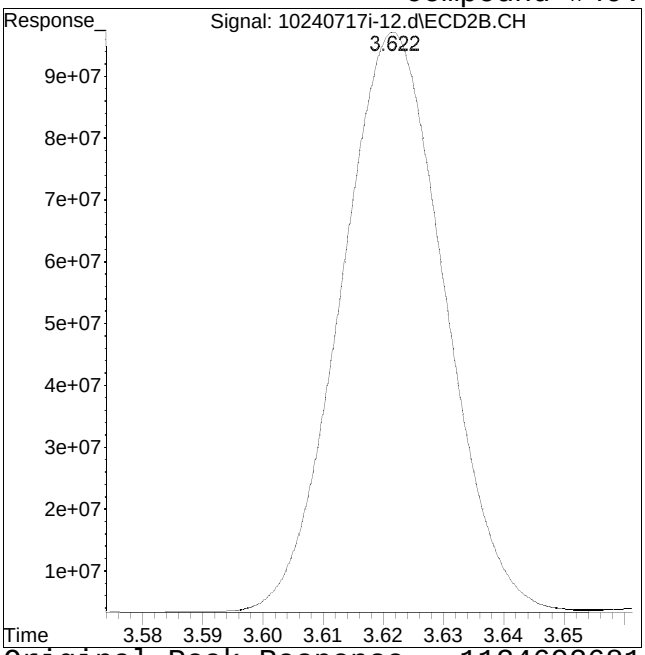


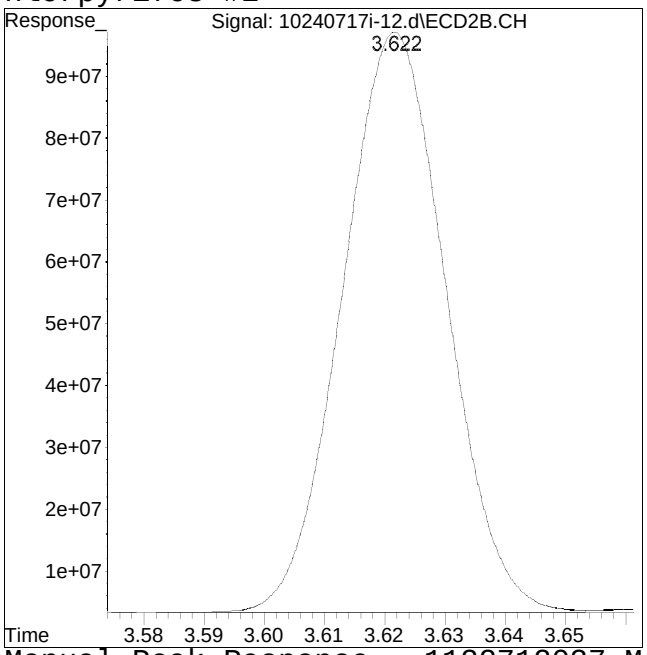
Original Peak Response = 4517804752 Manual Peak Response = 4501279560 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #49: Chlorpyrifos #2



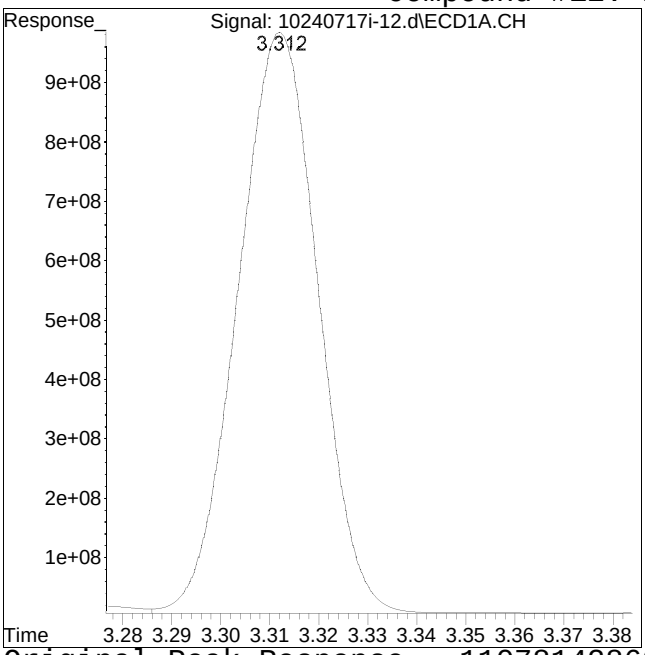


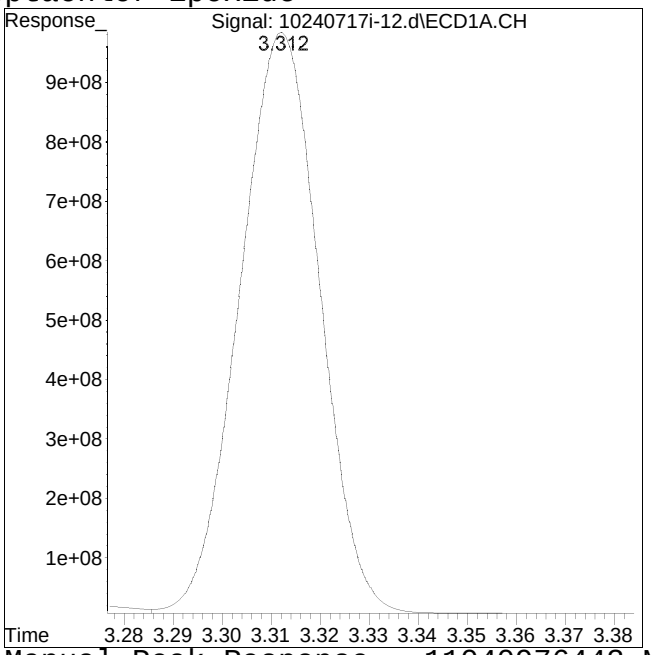
Original Peak Response = 1124692681 Manual Peak Response = 1122712037 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #12: Heptachlor Epoxide



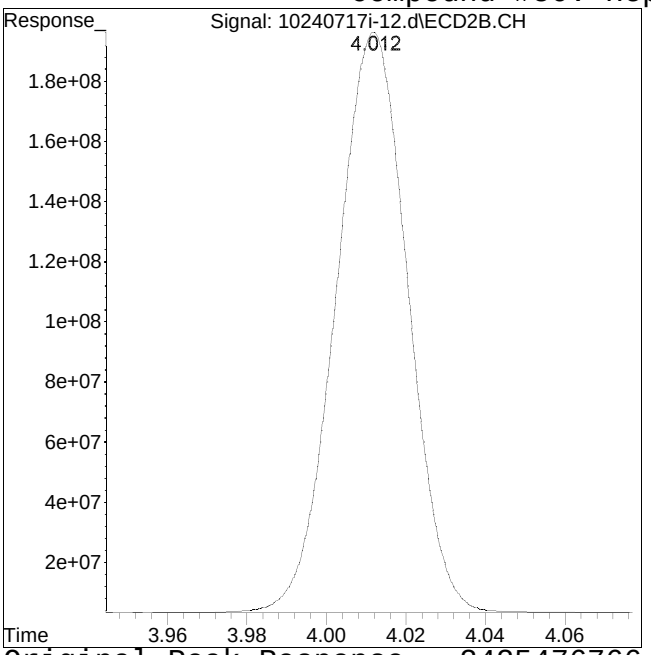


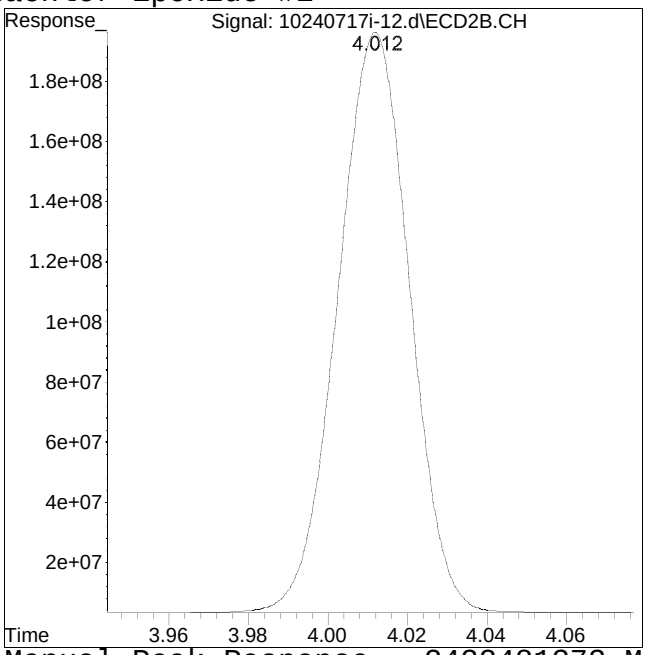
Original Peak Response = 11078142860 Manual Peak Response = 11040976443 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #50: Heptachlor Epoxide #2



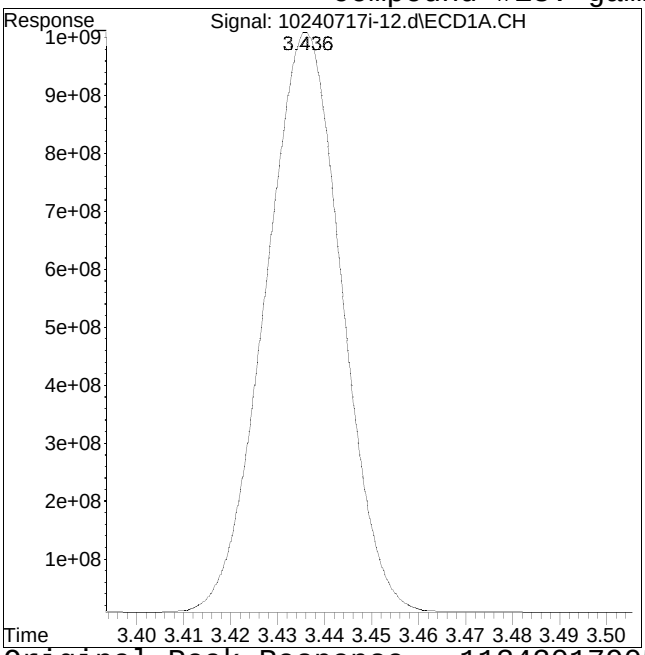


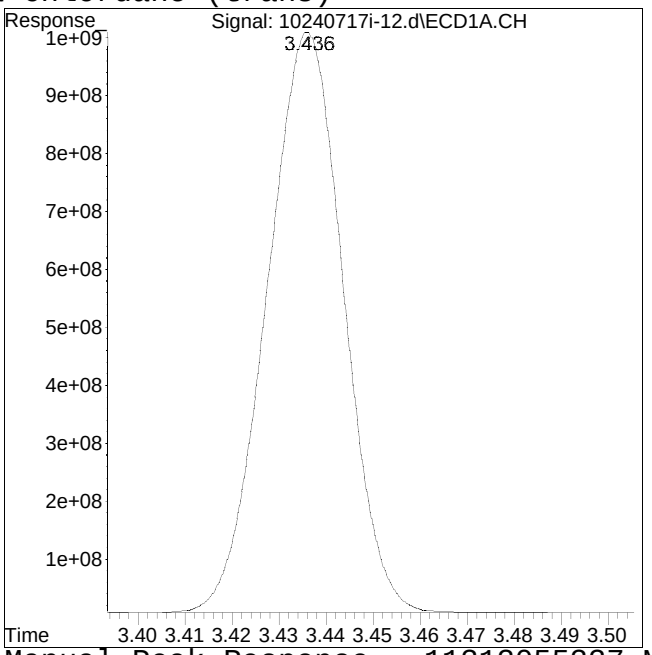
Original Peak Response = 2425476766 Manual Peak Response = 2422481373 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #13: gamma-Chlordane (trans)



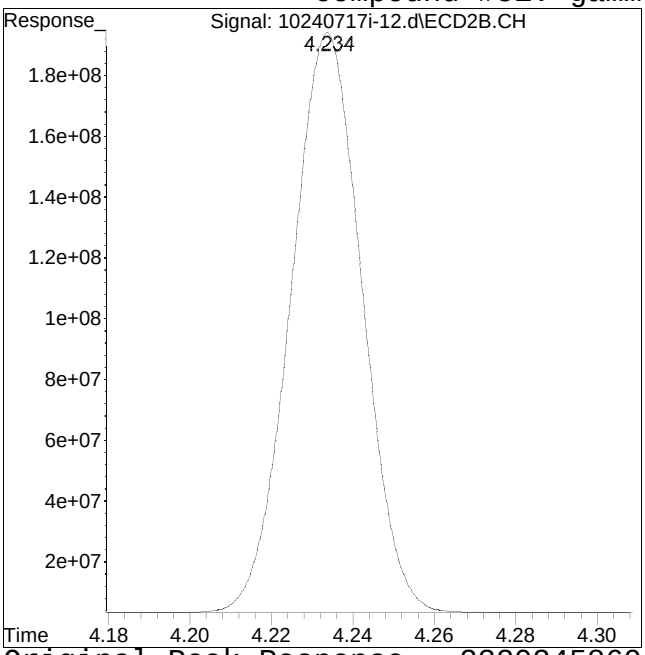


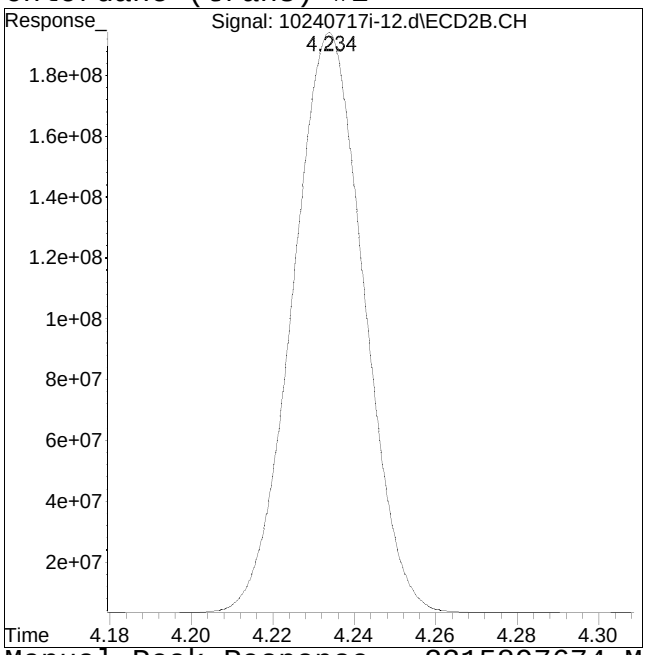
Original Peak Response = 11343017905 Manual Peak Response = 11313055337 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #51: gamma-Chlordane (trans) #2



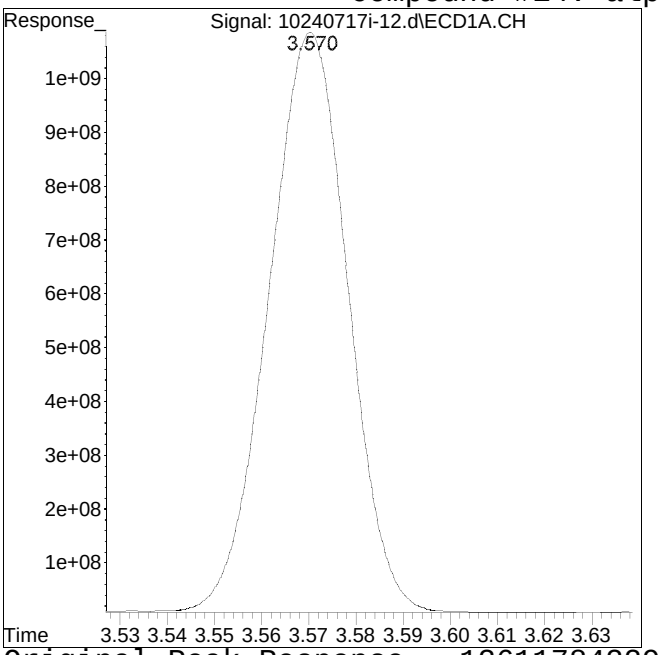


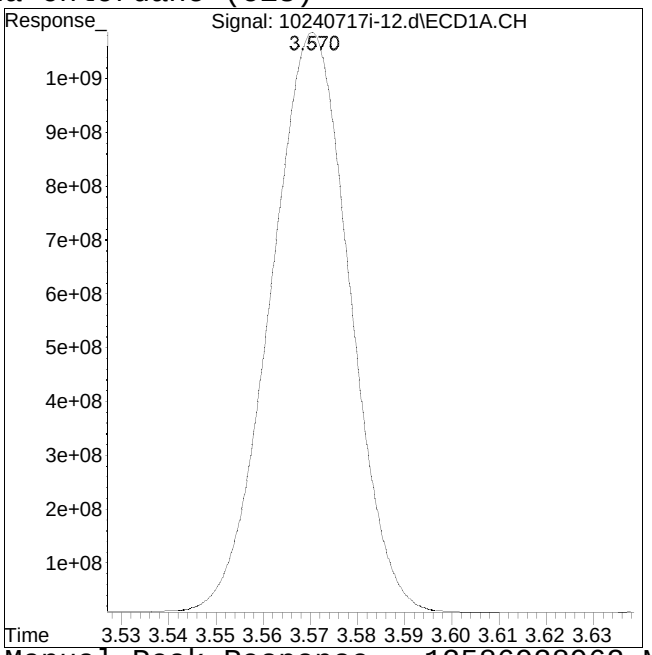
Original Peak Response = 2320245869 Manual Peak Response = 2315897674 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #14: alpha-Chlordane (cis)



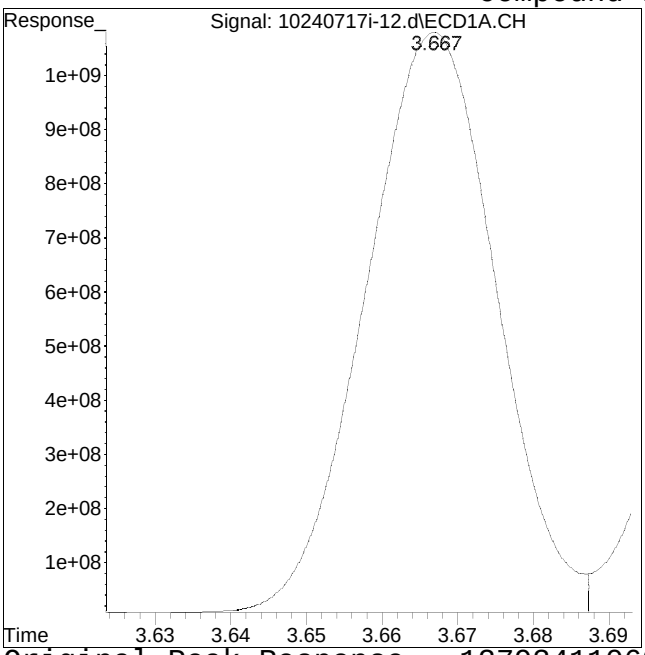


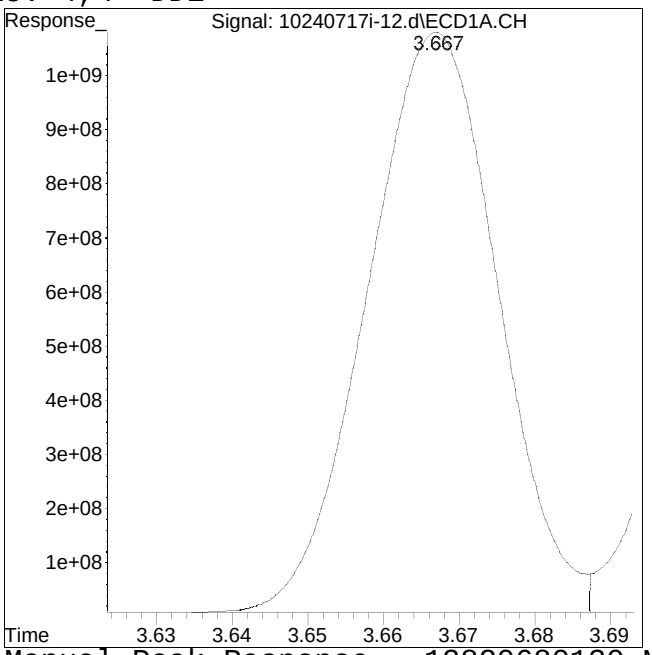
Original Peak Response = 12611784229 Manual Peak Response = 12586938962 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #15: 4,4'-DDE



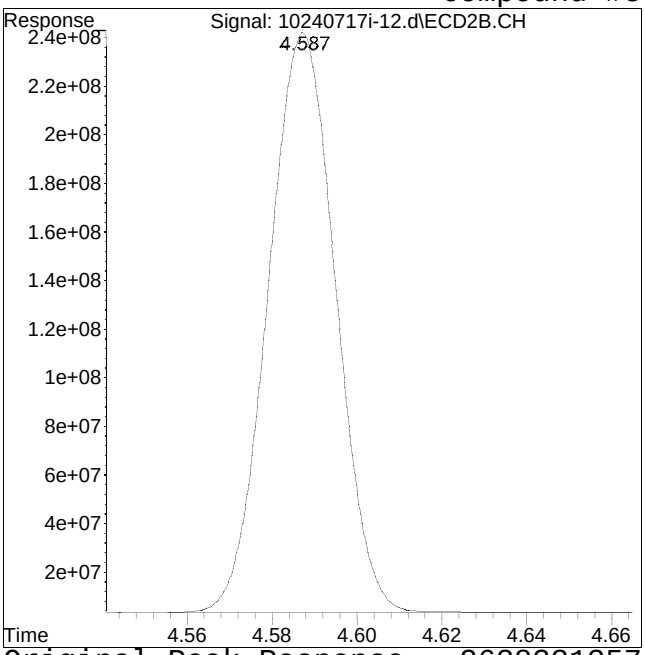


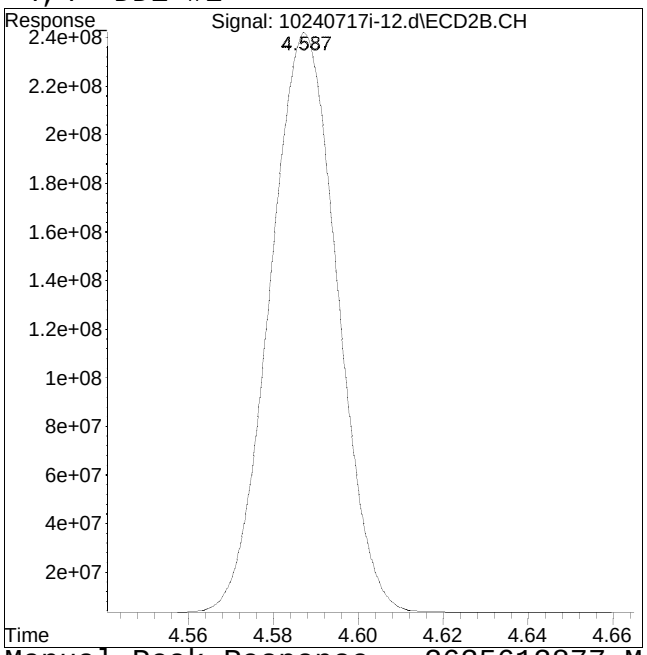
Original Peak Response = 12793411063 Manual Peak Response = 12820680130 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #53: 4,4'-DDE #2



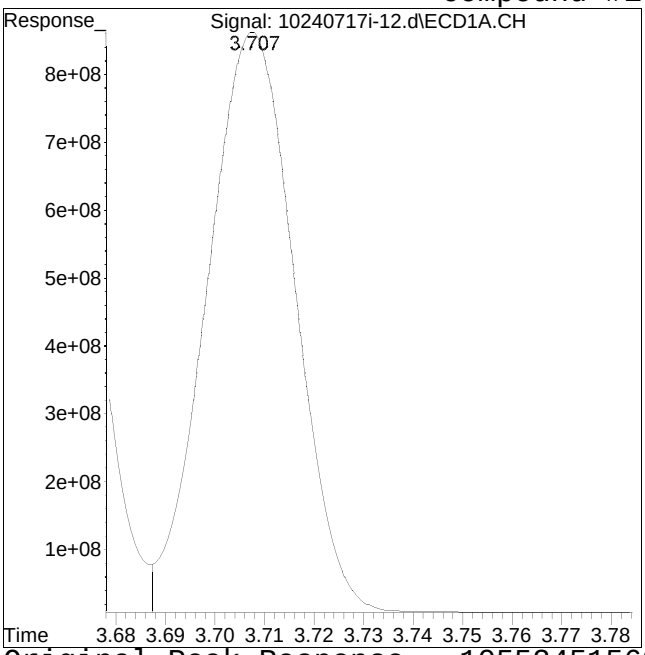


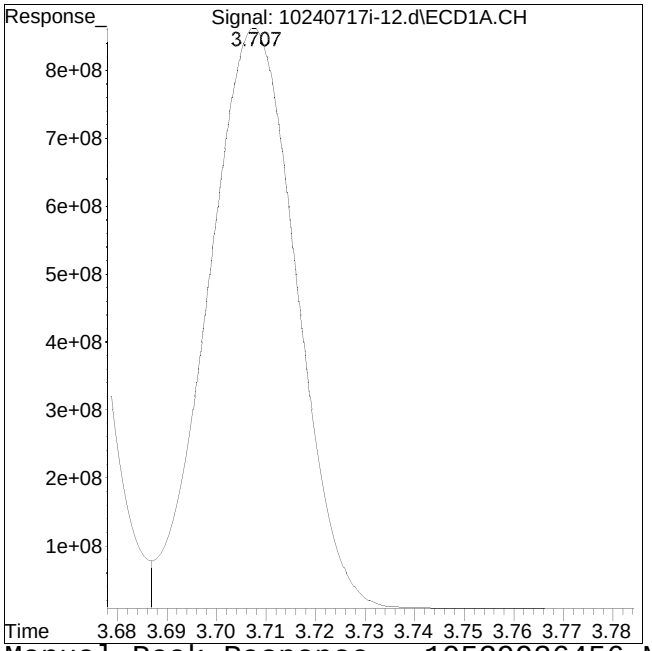
Original Peak Response = 2638331357 Manual Peak Response = 2635613877 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #16: Endosulfan I



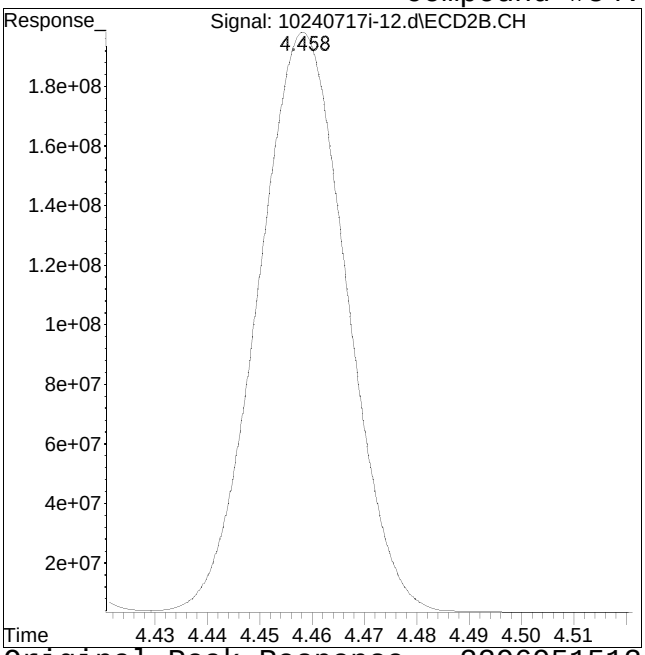


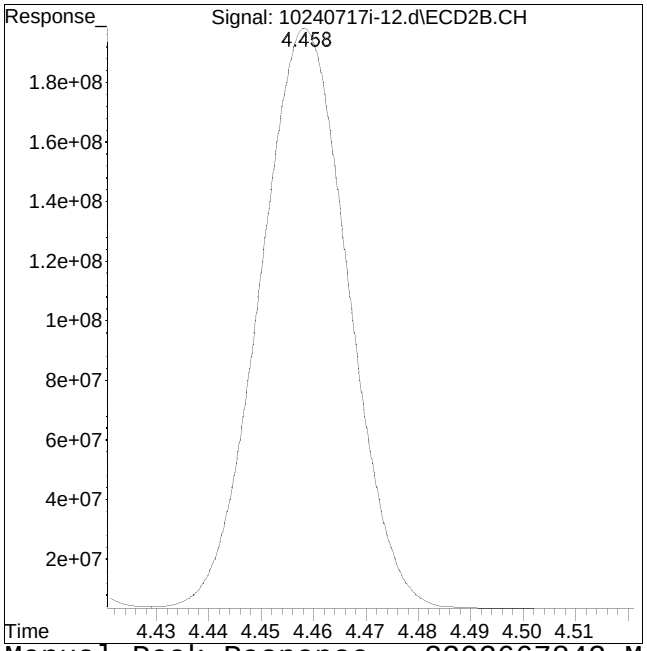
Original Peak Response = 10552451569 Manual Peak Response = 10539936456 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #54: Endosulfan I #2



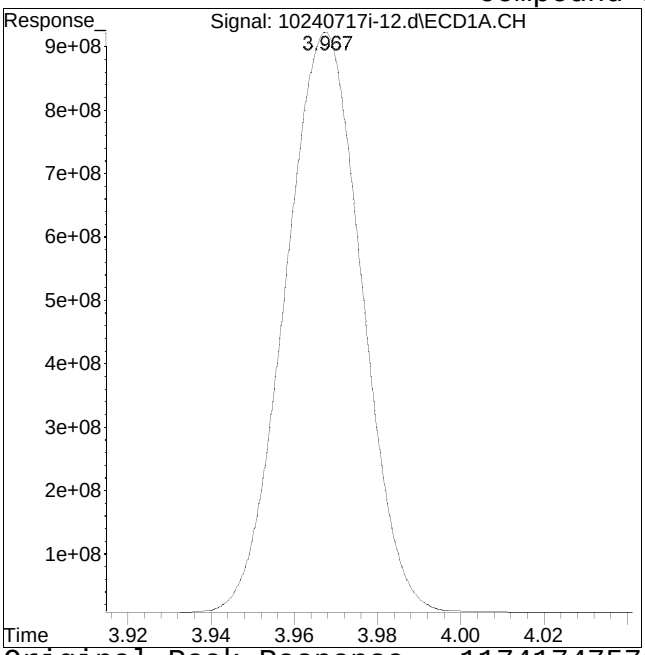


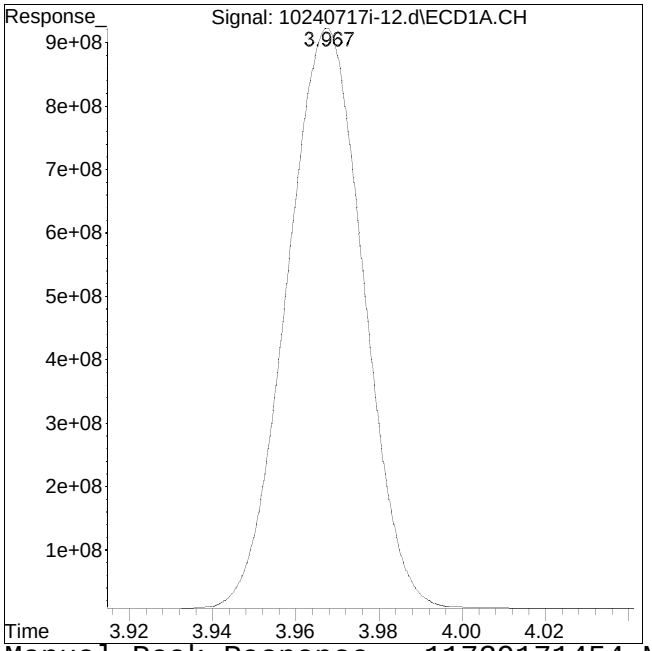
Original Peak Response = 2296951513 Manual Peak Response = 2293667843 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #17: Dieldrin



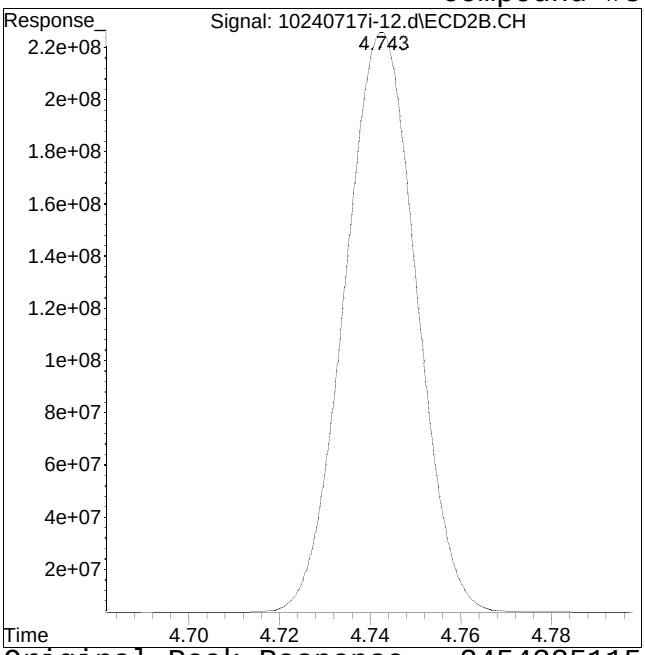


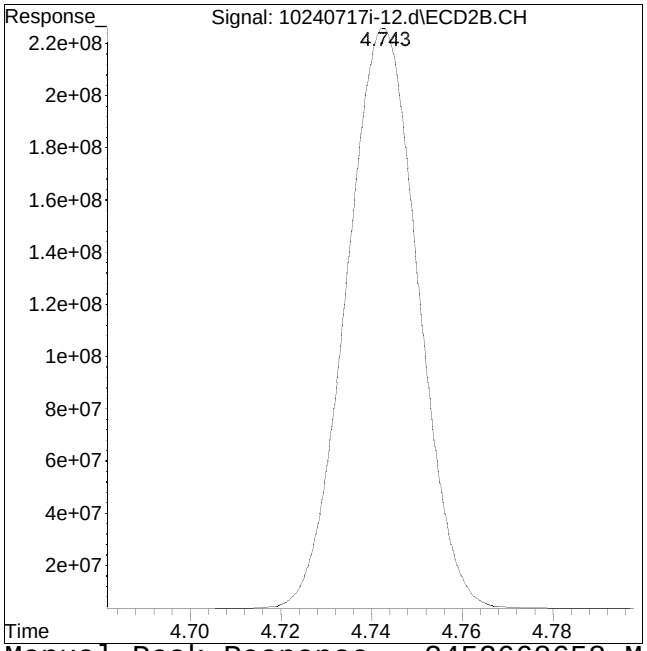
Original Peak Response = 11741747576 Manual Peak Response = 11739171454 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #55: Dieldrin #2



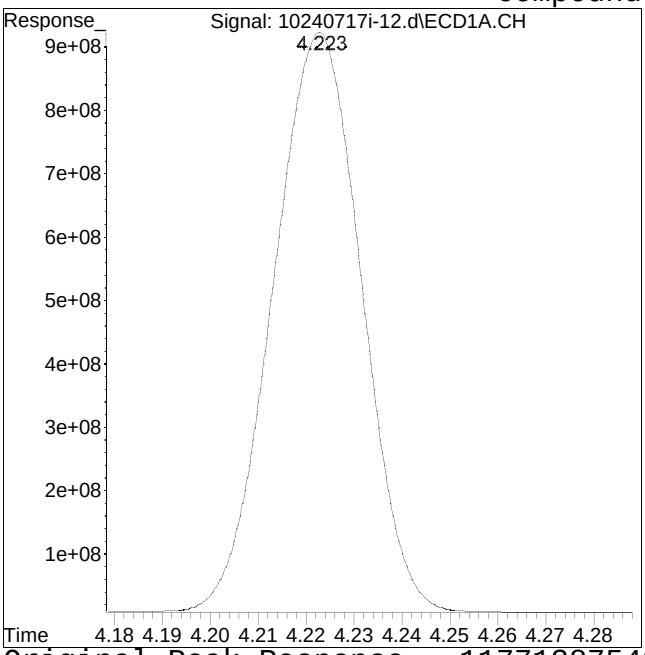


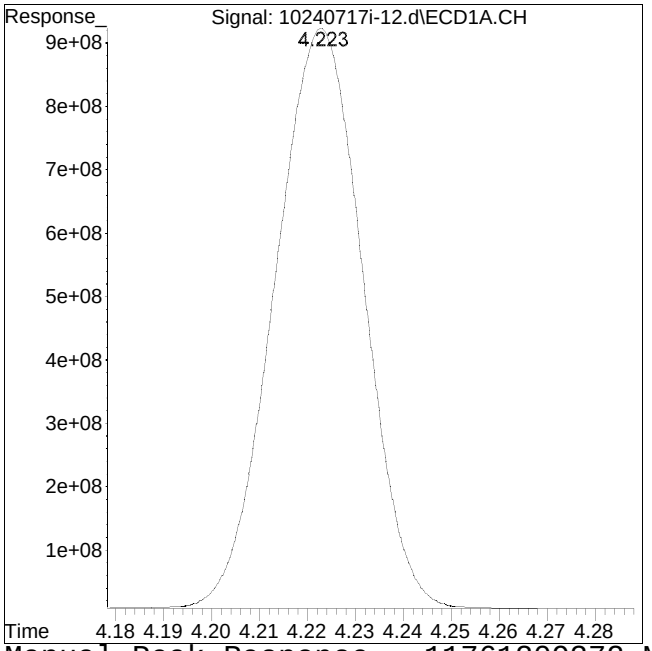
Original Peak Response = 2454325115 Manual Peak Response = 2452668658 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #18: Endrin



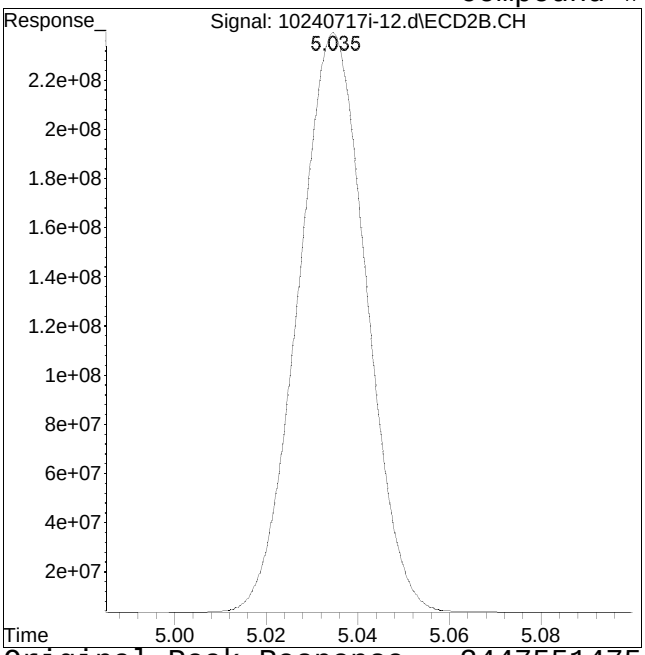


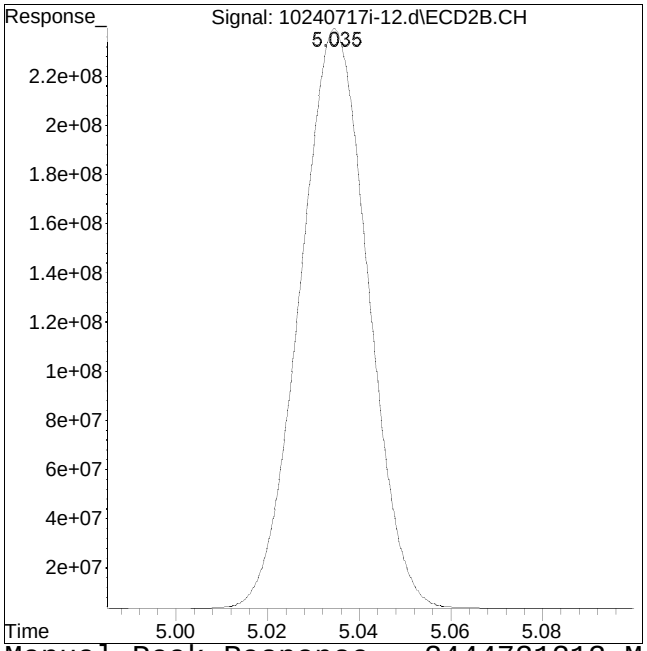
Original Peak Response = 11771387548 Manual Peak Response = 11761209372 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #56: Endrin #2



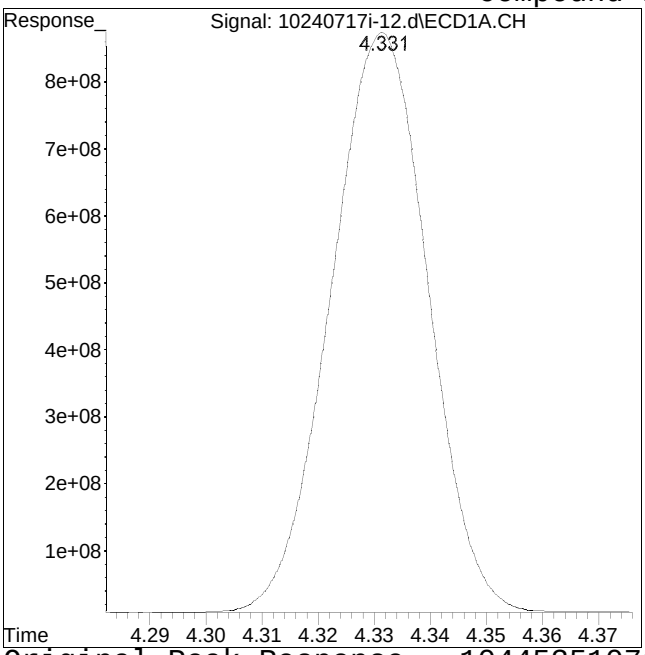


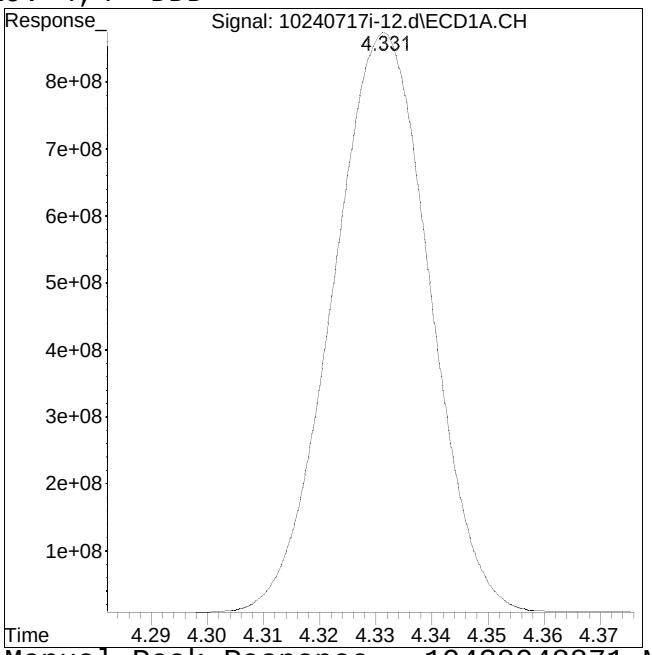
Original Peak Response = 2447551475 Manual Peak Response = 2444731213 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #19: 4,4'-DDD



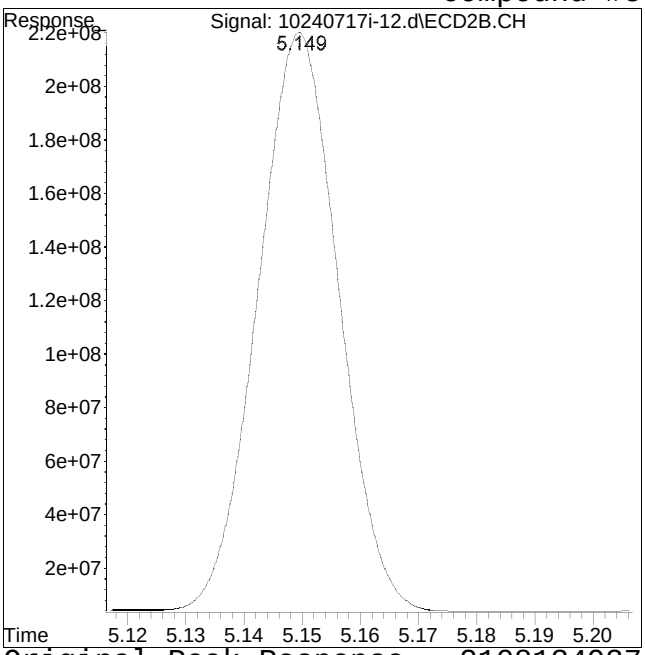


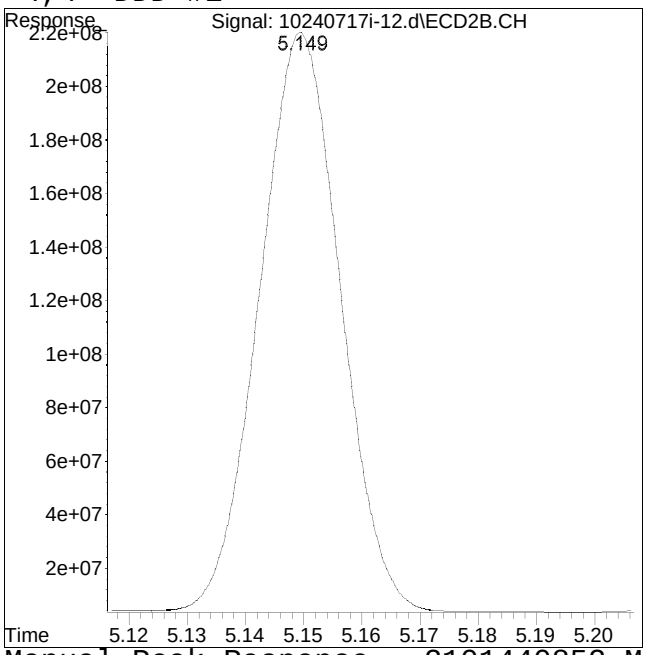
Original Peak Response = 10445351076 Manual Peak Response = 10438048871 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #57: 4,4'-DDD #2



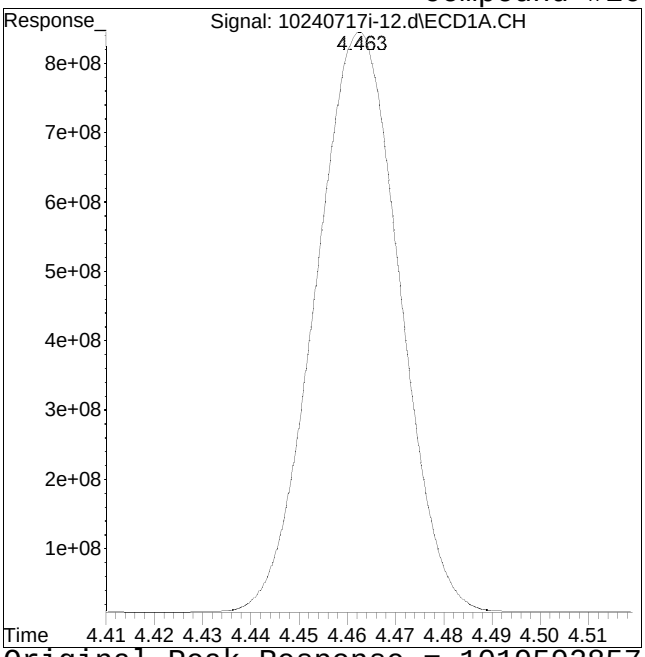


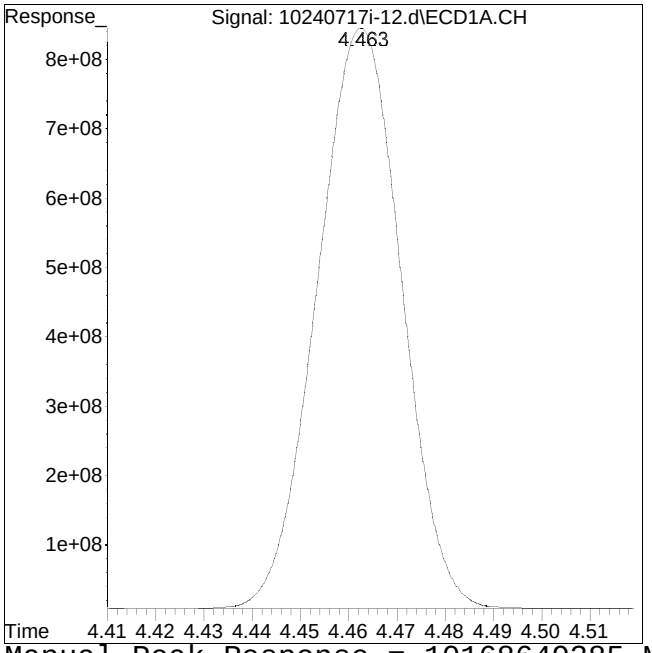
Original Peak Response = 2108134937 Manual Peak Response = 2101440852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #20: Endosulfan II



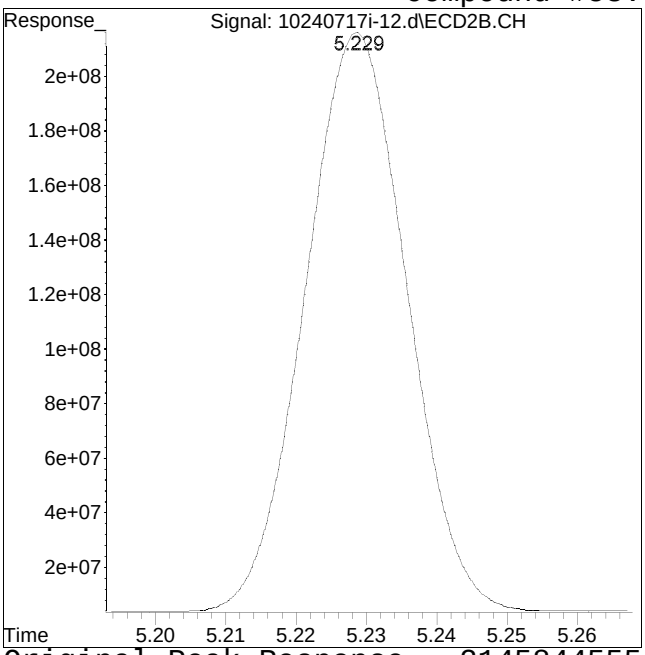


Original Peak Response = 10195928574 Manual Peak Response = 10168649385 M4
M4 = Poor automated baseline construction.

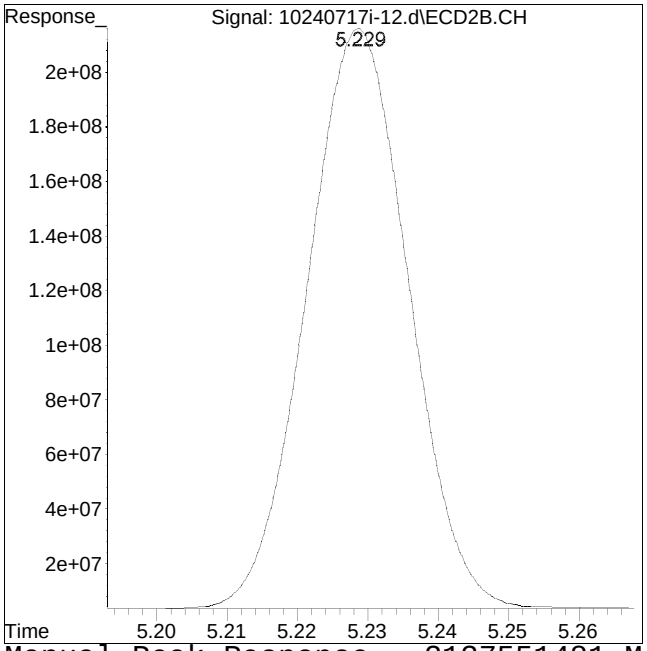
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #58: Endosulfan II #2



Original Peak Response = 2145844555

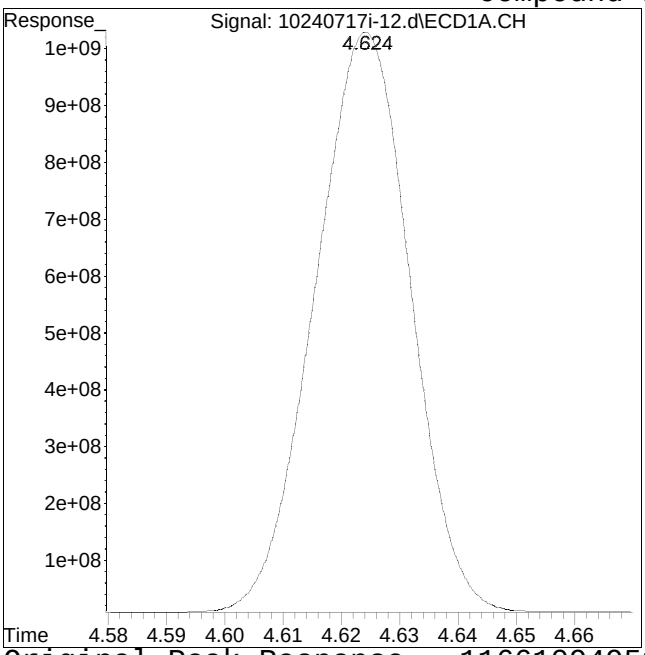


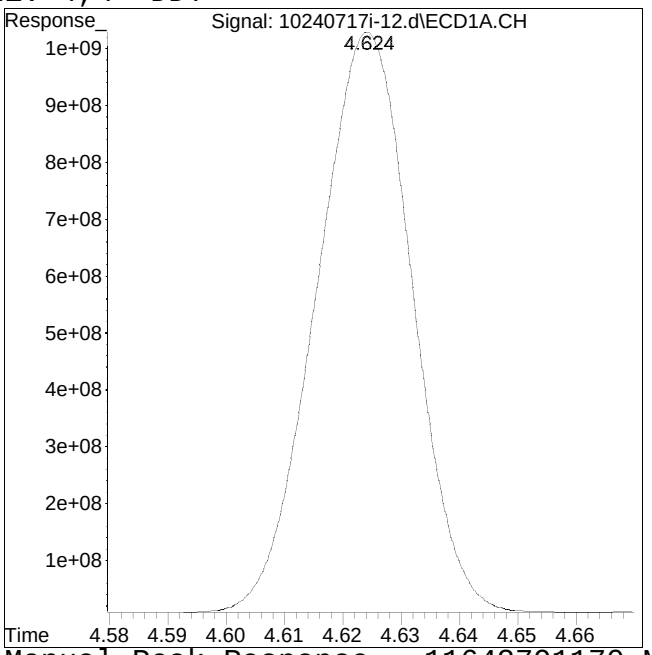
Manual Peak Response = 2137551481 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #21: 4,4'-DDT



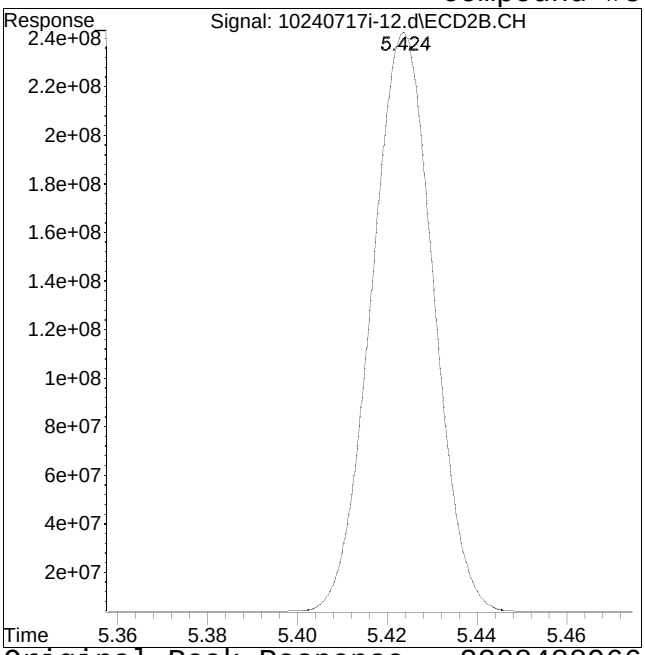


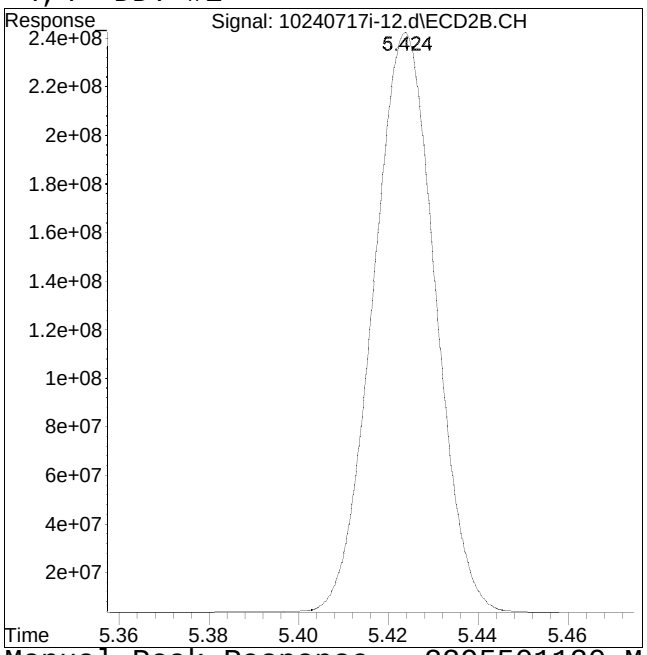
Original Peak Response = 11661094951 Manual Peak Response = 11642791170 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #59: 4,4'-DDT #2



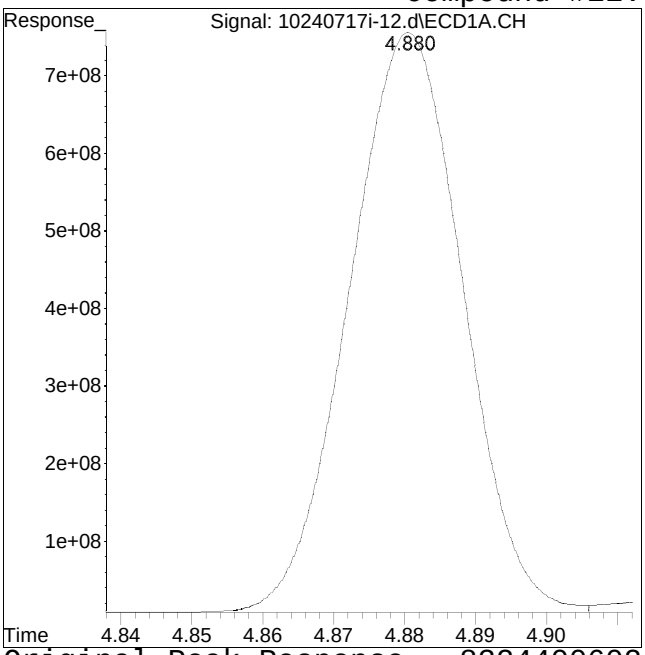


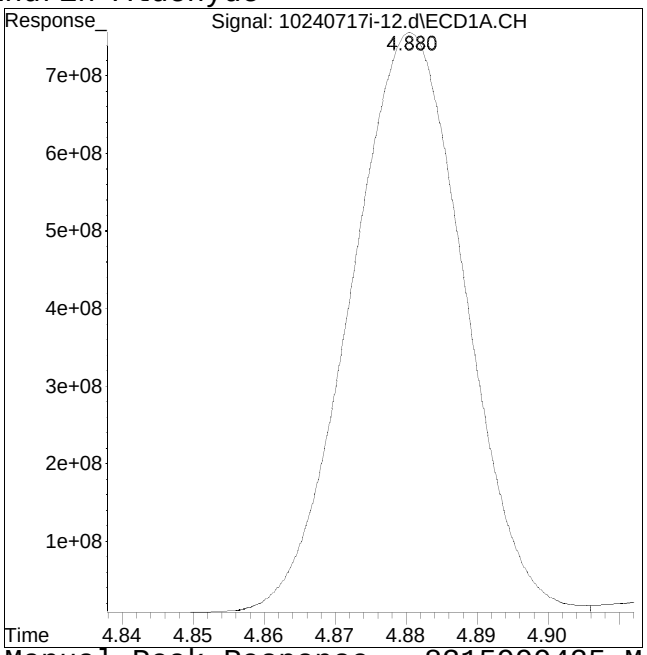
Original Peak Response = 2308488966 Manual Peak Response = 2295501120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #22: Endrin Aldehyde



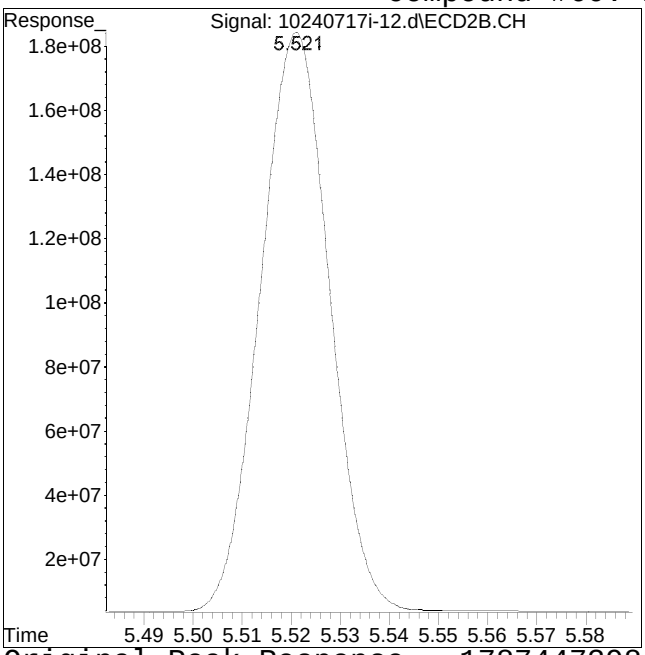


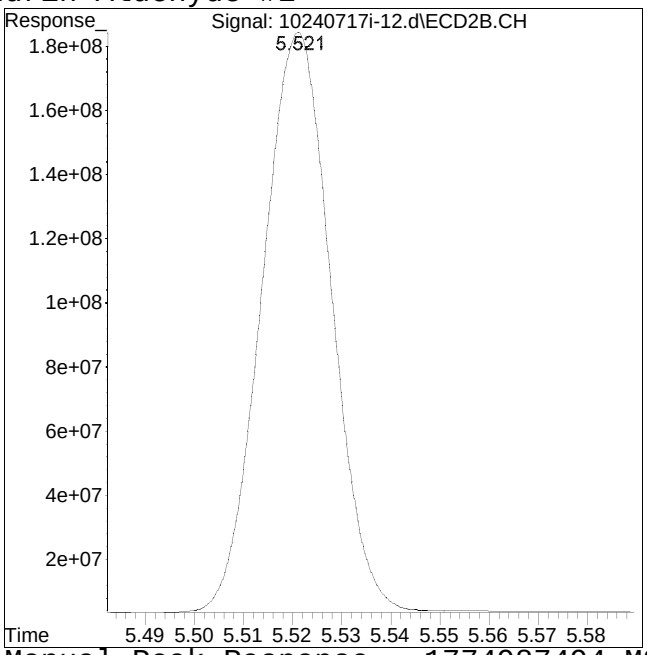
Original Peak Response = 8324400602 Manual Peak Response = 8315999425 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #60: Endrin Aldehyde #2



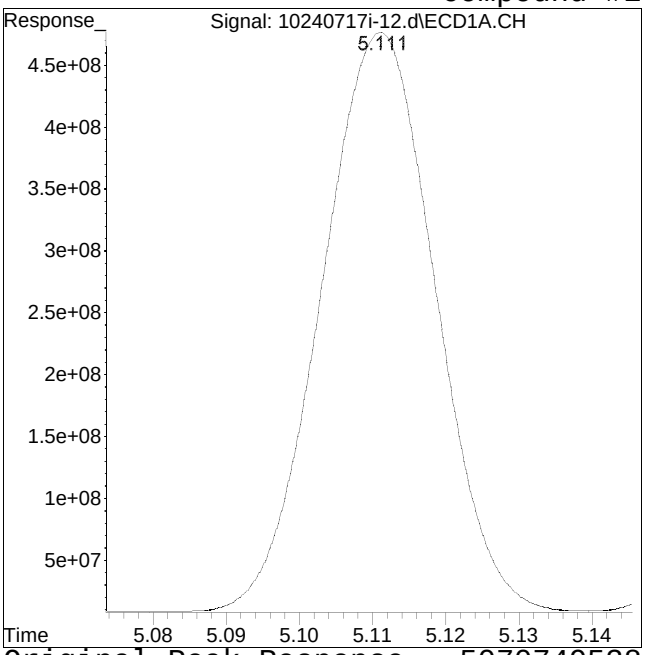


Original Peak Response = 1787447398 Manual Peak Response = 1774987494 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

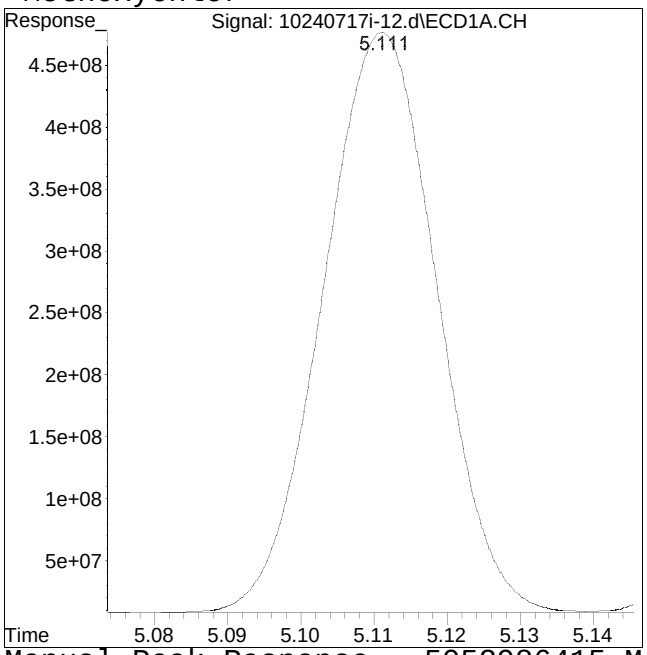
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #23: Methoxychlor



Original Peak Response = 5070749538

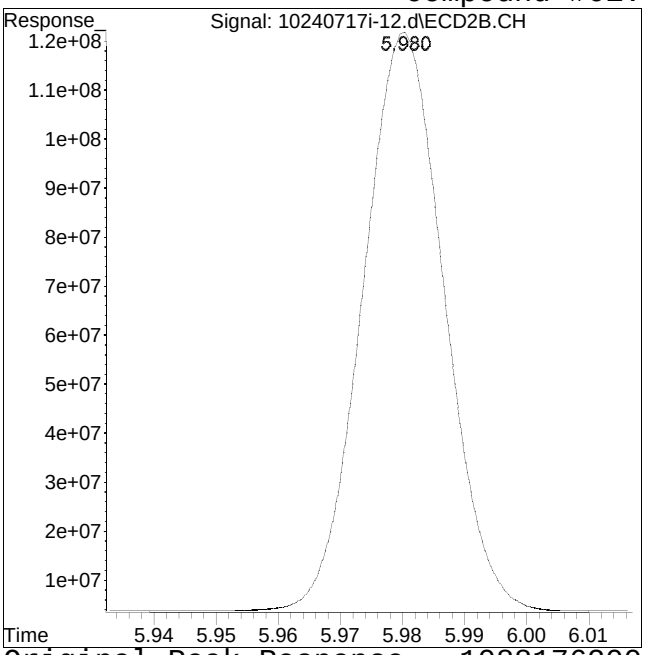


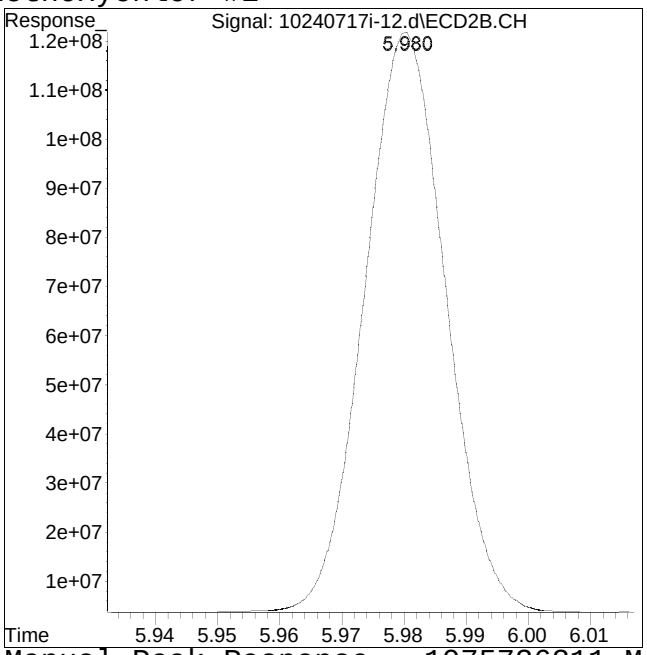
Manual Peak Response = 5052986415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #61: Methoxychlor #2



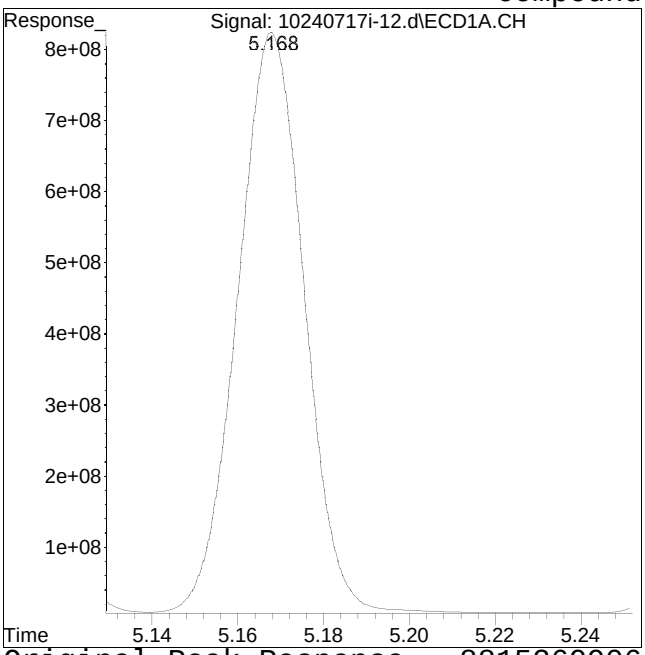


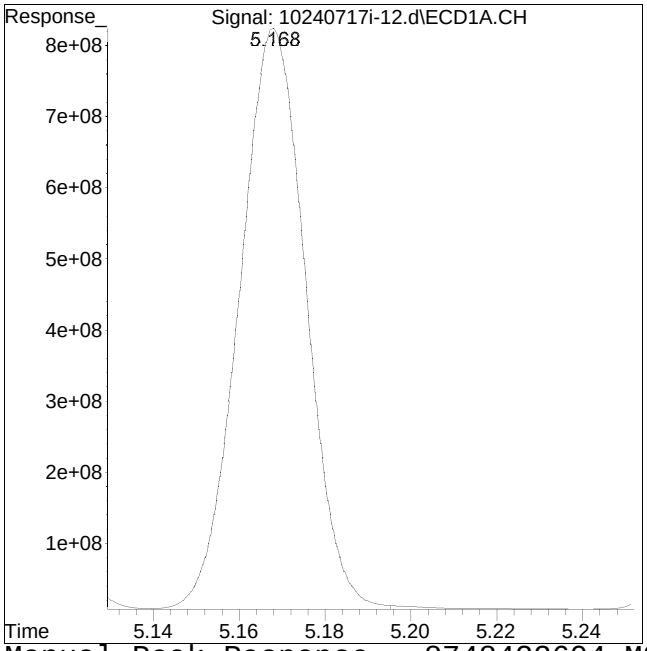
Original Peak Response = 1088176200 Manual Peak Response = 1075736211 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #24: Mirex



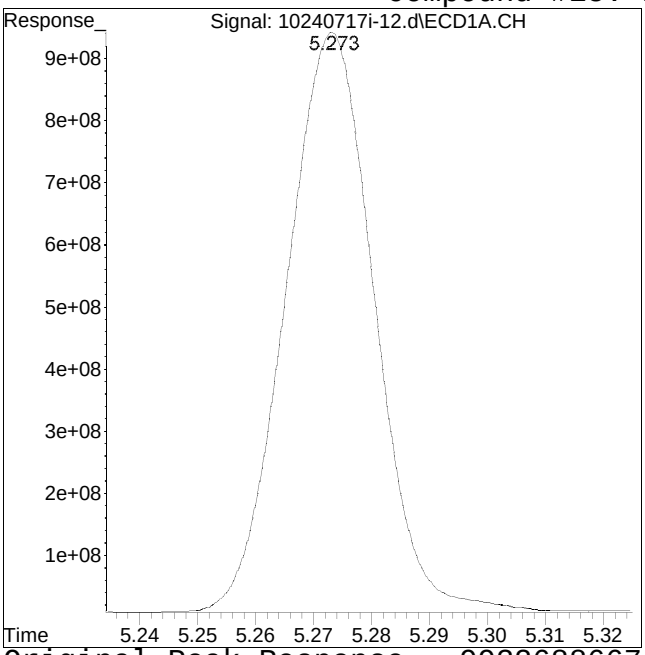


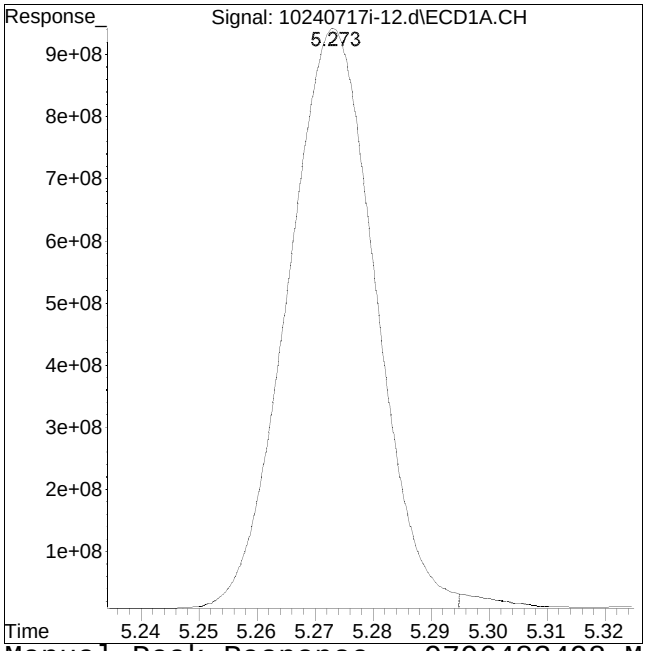
Original Peak Response = 8815269906 Manual Peak Response = 8748422604 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #25: Endosulfan Sulfate



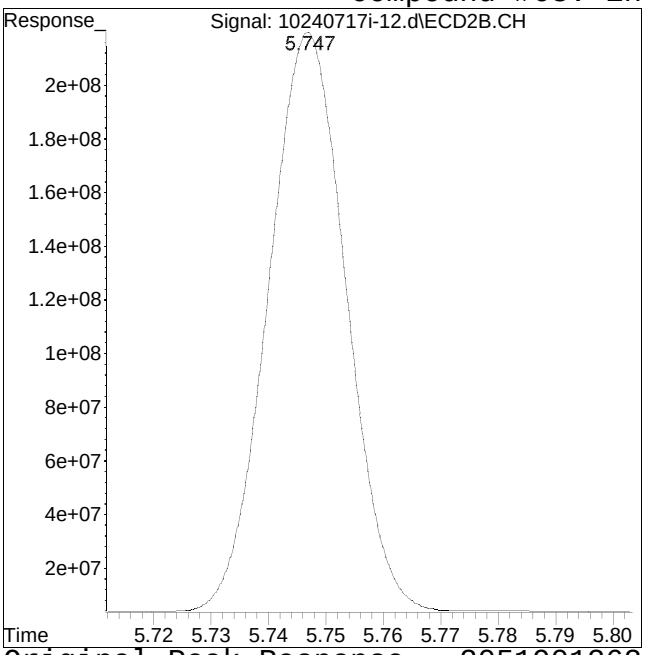


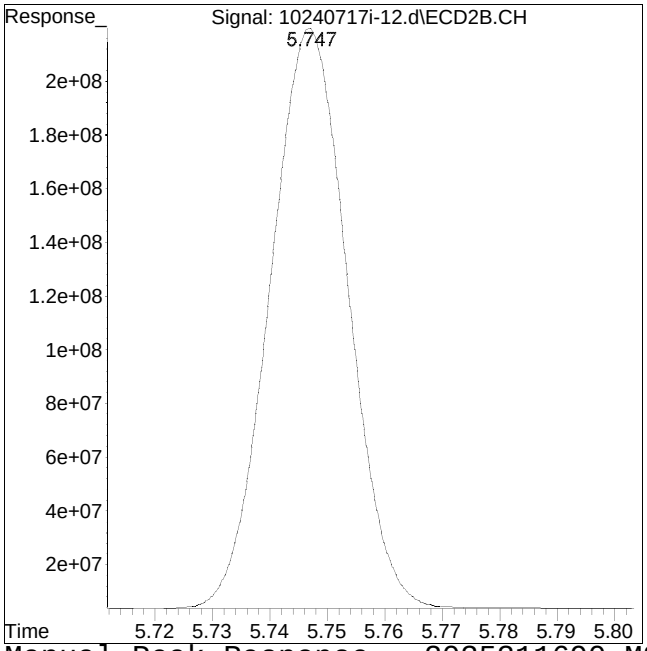
Original Peak Response = 9932688667 Manual Peak Response = 9796483498 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #63: Endosulfan Sulfate #2



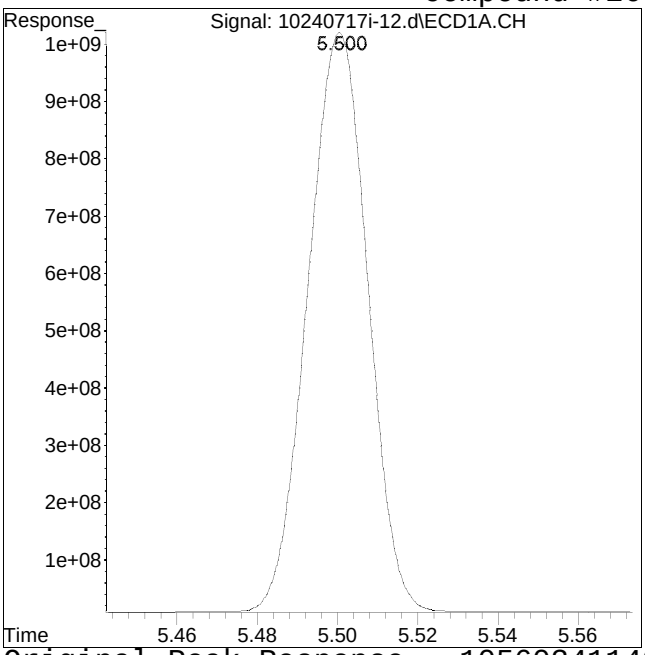


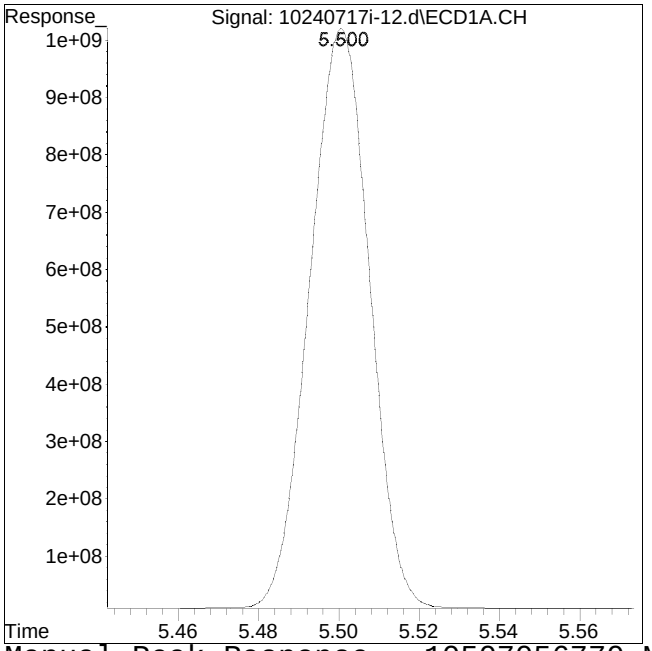
Original Peak Response = 2051901262 Manual Peak Response = 2035311690 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #26: Endrin Ketone



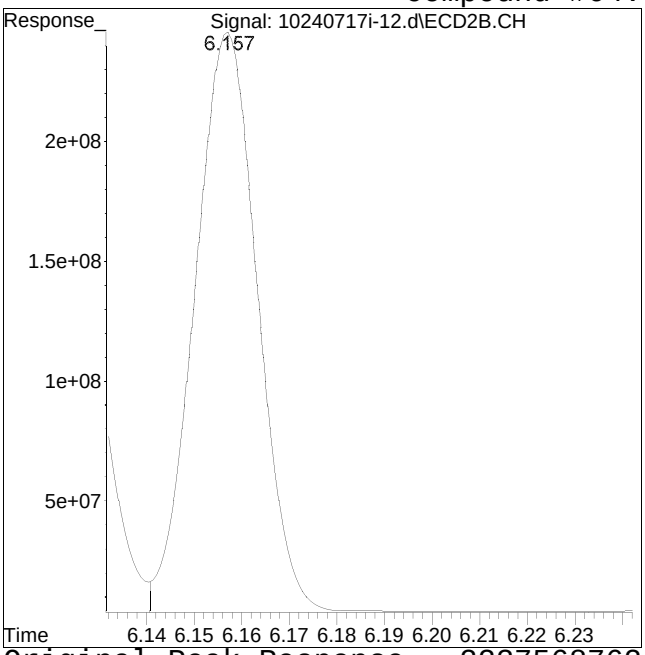


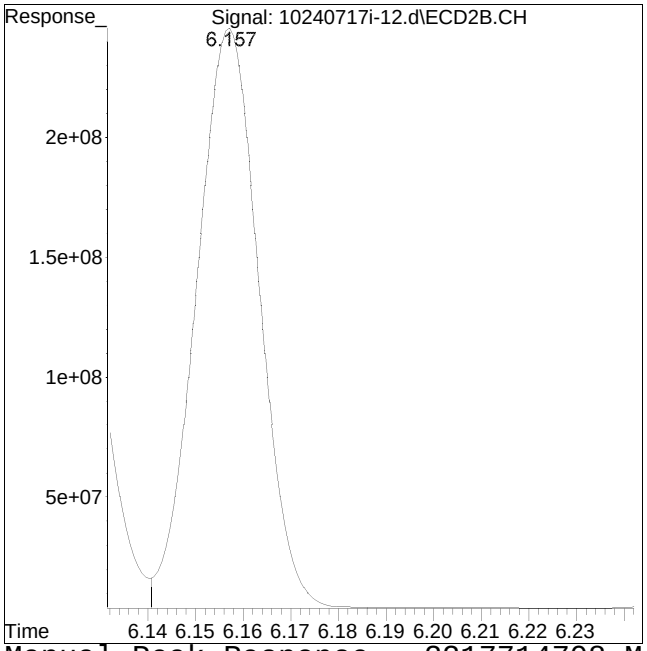
Original Peak Response = 10560341140 Manual Peak Response = 10507056770 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #64: Endrin Ketone #2



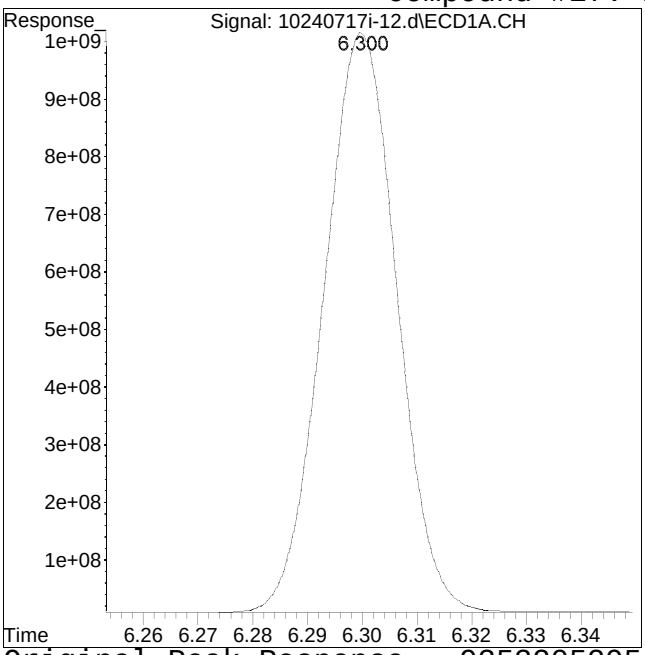


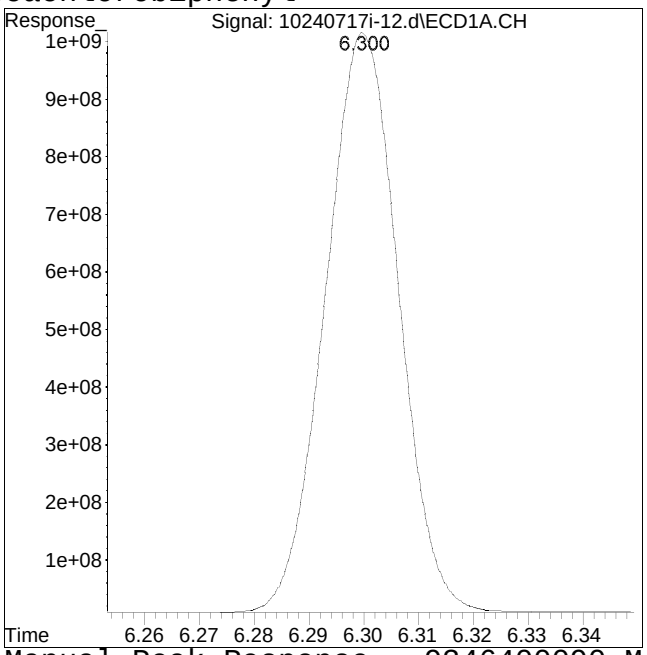
Original Peak Response = 2237568762 Manual Peak Response = 2217714708 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #27: Decachlorobiphenyl



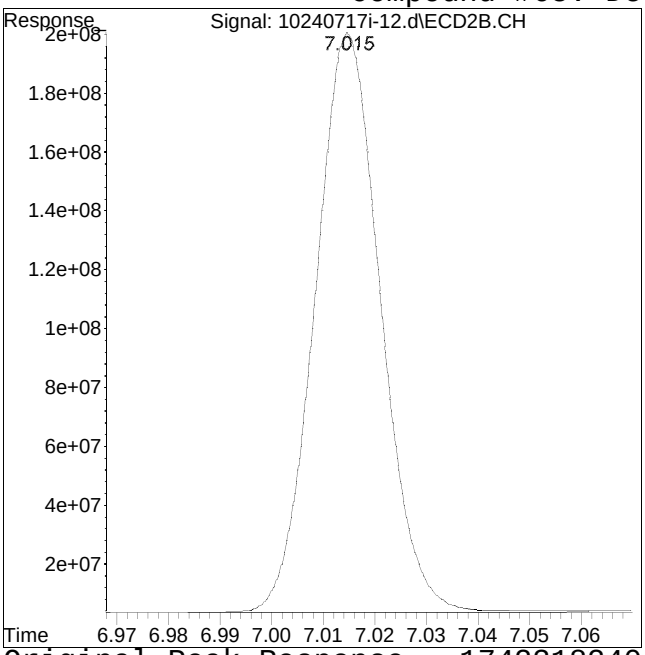


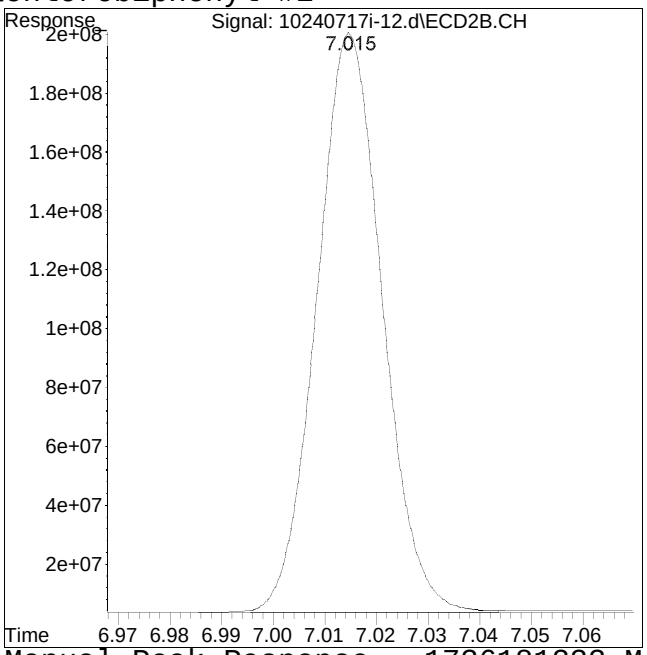
Original Peak Response = 9353205295 Manual Peak Response = 9346400090 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-12.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:48 pm Instrument : Pest 10
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/18/2024 8:47 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1742318240 Manual Peak Response = 1736181233 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   1:59 pm
Operator : PEST10:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	1.248	-0.9	102	0.00
3	t	Hexachlorobenzene		1.313	1.285	2.1	101	0.00
4	t	alpha-BHC		1.783	1.883	-5.6	99	0.00
5	t	gamma-BHC (lindane)		1.679	1.660	1.1	97	0.00
6	t	beta-BHC		0.728	0.674	7.4	98	0.00
7	t	delta-BHC		1.688	1.596	5.5	91	0.00
8	t	Heptachlor		1.589	1.608	-1.2	98	0.00
9	t	Aldrin		1.514	1.552	-2.5	98	0.00
10	t	Alachlor	*	50.000	59.237	-18.5	101	0.00
11	t	Chlorpyrifos	*	50.000	53.801	-7.6	98	0.00
12	t	Heptachlor Epoxide		1.432	1.406	1.8	97	0.00
13	t	gamma-Chlordane (trans)		1.321	1.463	-10.7	110	0.00
14	t	alpha-Chlordane (cis)		1.515	1.429	5.7	95	0.00
15	t	4,4'-DDE		1.468	1.455	0.9	94	0.00
16	t	Endosulfan I		1.360	1.315	3.3	95	0.00
17	t	Dieldrin		1.420	1.516	-6.8	103	0.00
18	t	Endrin		1.462	1.433	2.0	94	0.00
19	t	4,4'-DDD		1.196	1.225	-2.4	99	0.00
20	t	Endosulfan II		1.299	1.274	1.9	97	0.00
21	t	4,4'-DDT		1.339	1.250	6.6	90	0.00
22	t	Endrin Aldehyde		1.075	0.945	12.1	86	0.00
23	t	Methoxychlor		0.742	0.680	8.4	94	0.00
24	t	Mirex		1.139	1.035	9.1	96	0.00
25	t	Endosulfan Sulfate		1.253	1.192	4.9	94	0.00
26	t	Endrin Ketone		1.409	1.419	-0.7	98	0.00
27	s	Decachlorobiphenyl		1.201	1.096	8.7	94	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   1:59 pm
Operator : PEST10:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	1.054	5.3	98	0.00
3	t	Hexachlorobenzene		1.242	1.169	5.9	101	0.00
4	t	alpha-BHC		1.567	1.588	-1.3	98	0.00
5	t	gamma-BHC (lindane)		1.478	1.417	4.1	96	0.00
6	t	beta-BHC		0.702	0.615	12.4	96	0.00
7	t	delta-BHC		1.492	1.357	9.0	90	0.00
8	t	Heptachlor		1.465	1.385	5.5	97	0.00
9	t	Aldrin		1.347	1.312	2.6	97	0.00
10	t	Alachlor	*	50.000	55.333	-10.7	99	0.00
11	t	Chlorpyrifos	*	50.000	51.991	-4.0	97	0.00
12	t	Heptachlor Epoxide		1.339	1.230	8.1	95	0.00
13	t	gamma-Chlordane (trans)		1.195	1.254	-4.9	109	0.00
14	t	alpha-Chlordane (cis)		1.358	1.244	8.4	95	0.00
15	t	4,4'-DDE		1.288	1.221	5.2	94	0.00
16	t	Endosulfan I		1.260	1.150	8.7	94	0.00
17	t	Dieldrin		1.260	1.288	-2.2	102	0.00
18	t	Endrin		1.288	1.204	6.5	92	0.00
19	t	4,4'-DDD		1.029	1.016	1.3	98	0.00
20	t	Endosulfan II		1.175	1.095	6.8	95	0.00
21	t	4,4'-DDT		1.136	1.044	8.1	91	0.00
22	t	Endrin Aldehyde		0.978	0.819	16.3	85	0.00
23	t	Methoxychlor		0.637	0.559	12.2	90	0.00
24	t	Mirex		1.032	0.884	14.3	94	0.00
25	t	Endosulfan Sulfate		1.132	1.010	10.8	93	0.00
26	t	Endrin Ketone		1.235	1.187	3.9	97	0.00
27	s	Decachlorobiphenyl		1.033	0.898	13.1	93	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   1:59 pm
Operator : PEST10:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.32#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.46#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.52#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-2.88#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.44#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.32#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.45#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.58#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.99#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.18#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.43#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.92#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.54#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.23#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.40#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.43#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.19#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.22#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.53#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.93#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:59 pm
Operator : PEST10:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.319	1.434	495.6E6	120.2E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.662	1.926	1236.8E6	253.3E6	50.454M3	47.330M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		100.91%	94.66%
27) s	Decachlorobi	6.300	7.014	1086.8E6	215.9E6	45.637M4	43.476M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		91.27%	86.95%
	Target Compounds						
3) t	Hexachlorobe	1.876	2.256	1274.0E6	280.9E6	48.937M4	47.035
4) t	alpha-BHC	1.975	2.355	1866.9E6	381.6E6	52.828M4	50.643M4
5) t	gamma-BHC (l	2.177	2.648	1645.9E6	340.6E6	49.437M4	47.939M4
6) t	beta-BHC	2.233	2.713	668.4E6	147.9E6	46.334M4	43.814M4
7) t	delta-BHC	2.362	2.987	1582.1E6	326.2E6	47.269M4	45.482M4
8) t	Heptachlor	2.524	3.056	1594.2E6	332.9E6	50.601M4	47.285M4
9) t	Aldrin	2.767	3.383	1538.6E6	315.3E6	51.250M4	48.703
10) t	Alachlor	2.888	3.260	219.3E6	52344115	59.237M4	55.333M4
11) t	Chlorpyrifos	2.979	3.622	663.5E6	158.1E6	53.801M4	51.991

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:59 pm
Operator : PEST10:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.312	4.011	1393.8E6	295.7E6	49.097M4	45.949M4
13)	t	gamma-Chlord	3.436	4.234	1450.1E6	301.4E6	55.384M4	52.479M4
14)	t	alpha-Chlord	3.571	4.398	1416.5E6	298.9E6	47.178M4	45.789M4
15)	t	4,4'-DDE	3.667	4.587	1442.5E6	293.5E6	49.550M4	47.415M4
16)	t	Endosulfan I	3.708	4.459	1303.6E6	276.3E6	48.351	45.615
17)	t	Dieldrin	3.968	4.743	1503.1E6	309.6E6	53.397M4	51.099M4
18)	t	Endrin	4.223	5.035	1420.7E6	289.5E6	49.010M4	46.775M4
19)	t	4,4'-DDD	4.331	5.149	1214.6E6	244.1E6	51.228M4	49.373M4
20)	t	Endosulfan I	4.463	5.228	1262.7E6	263.2E6	49.028M4	46.613M4
21)	t	4,4'-DDT	4.624	5.424	1238.8E6	251.0E6	46.655M4	45.967
22)	t	Endrin Aldeh	4.880	5.520	936.5E6	197.0E6	43.933M4	41.903M4
23)	t	Methoxychlor	5.111	5.980	673.6E6	134.4E6	45.803M4	43.894M4
24)	t	Mirex	5.168	6.123	1025.8E6	212.6E6	45.425M3	42.835M4
25)	t	Endosulfan S	5.273	5.747	1181.3E6	242.8E6	47.564M4	44.599M4
26)	t	Endrin Keton	5.500	6.157	1406.6E6	285.4E6	50.368M4	48.065M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:59 pm
Operator : PEST10:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

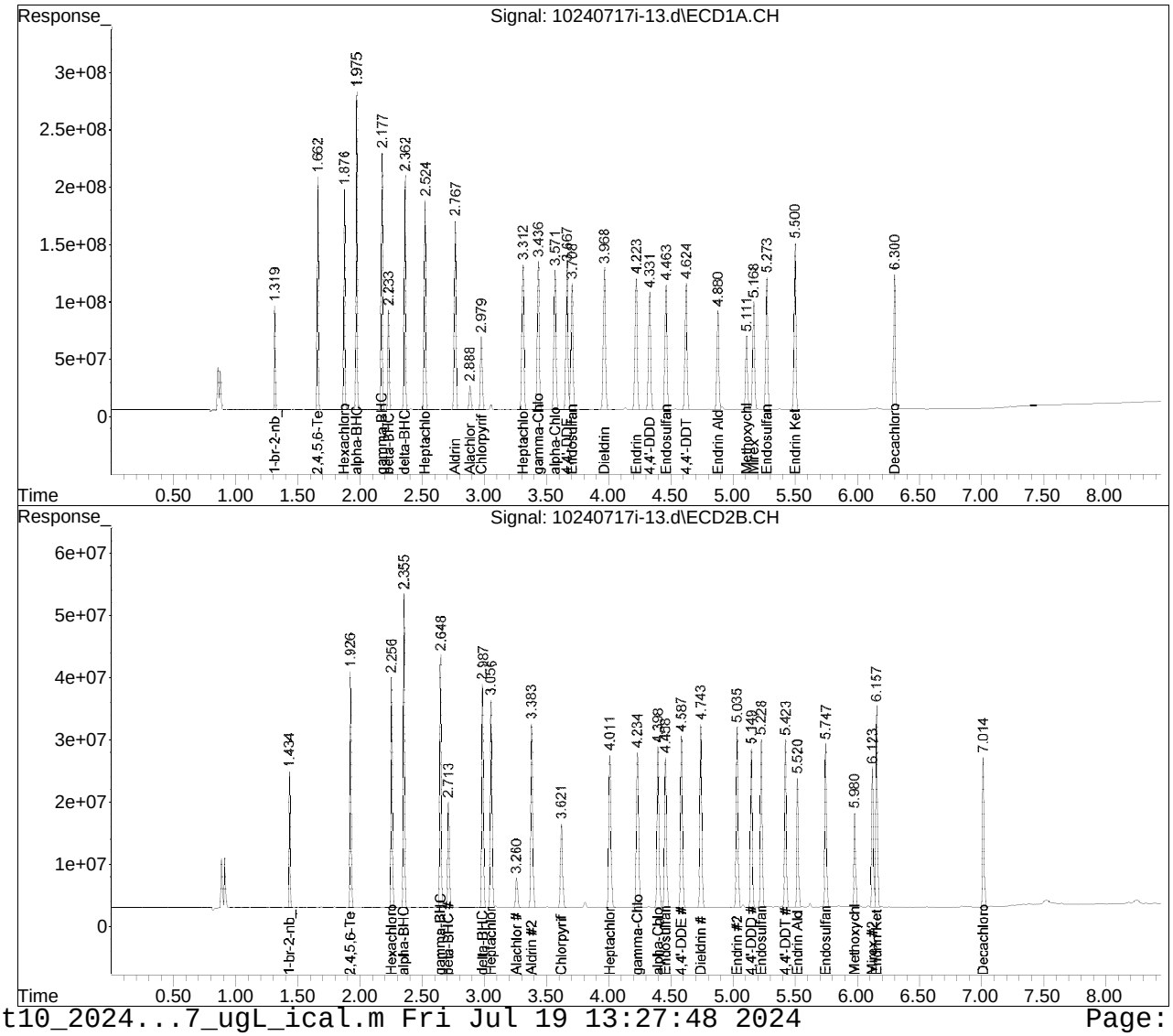
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 1:59 pm
Operator : PEST10:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:52:33 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:51:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

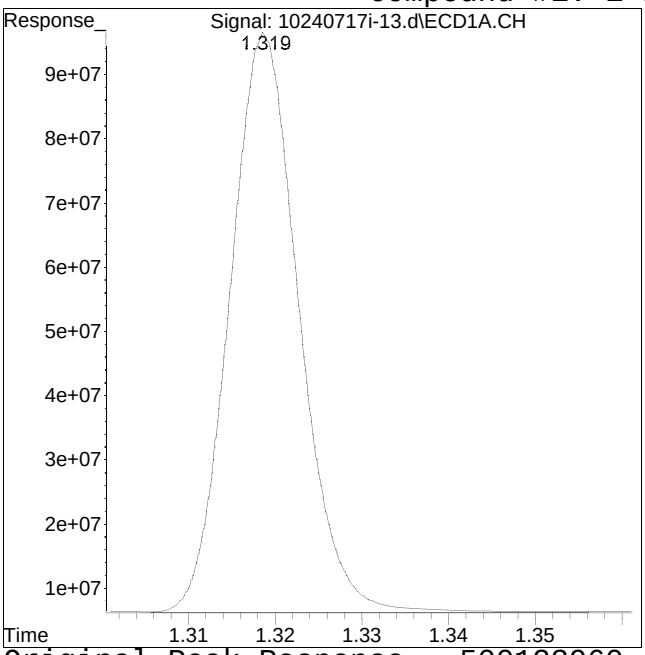
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



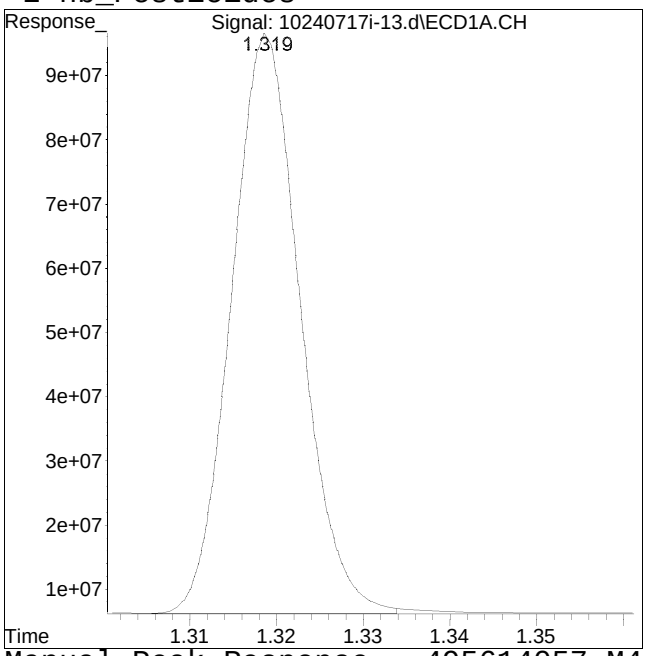
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 500123960



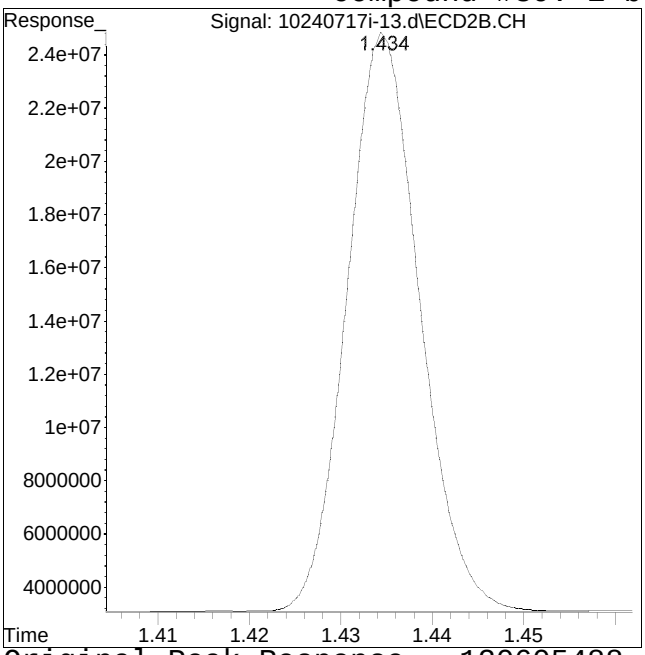
Manual Peak Response = 495614057 M4

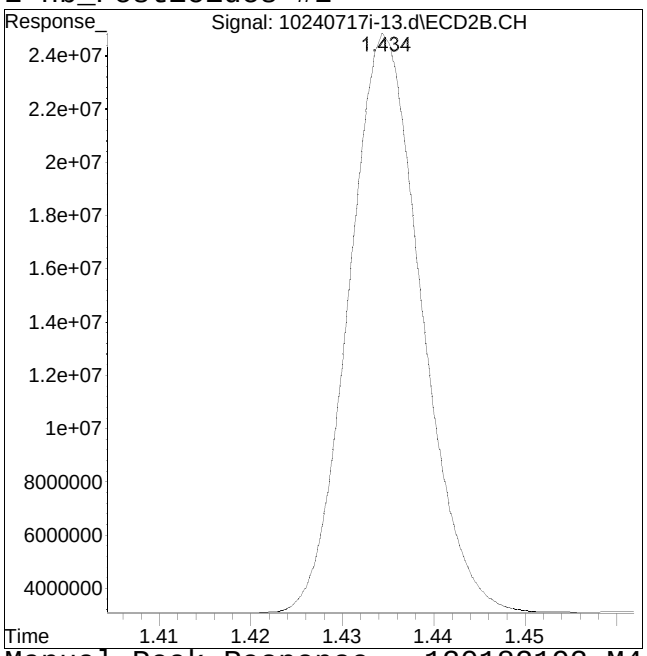
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #39: 1-br-2-nb_Pesticides #2



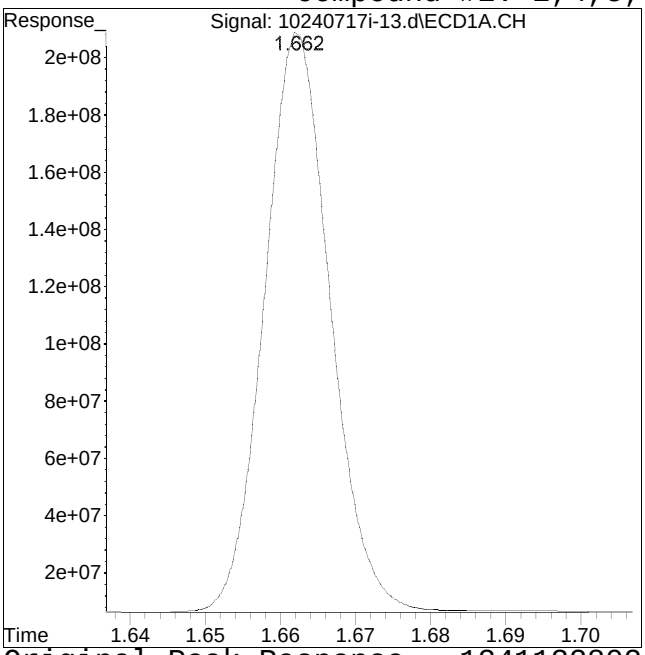


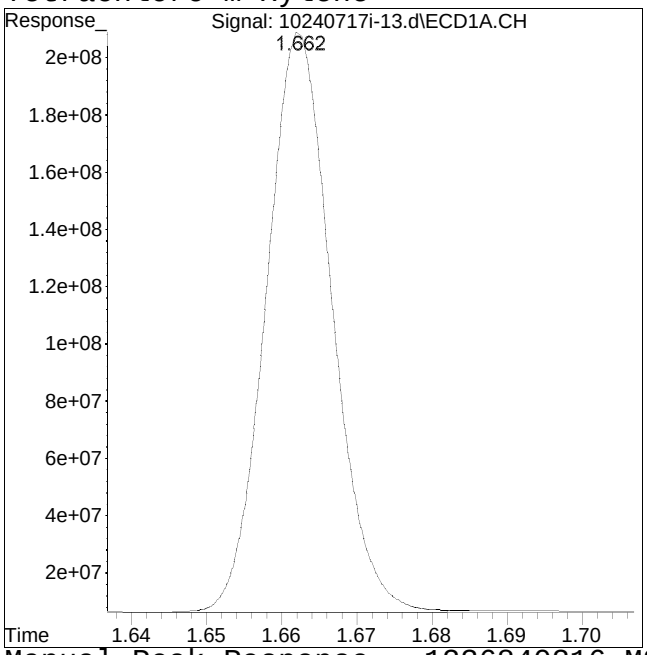
Original Peak Response = 120605488 Manual Peak Response = 120182192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



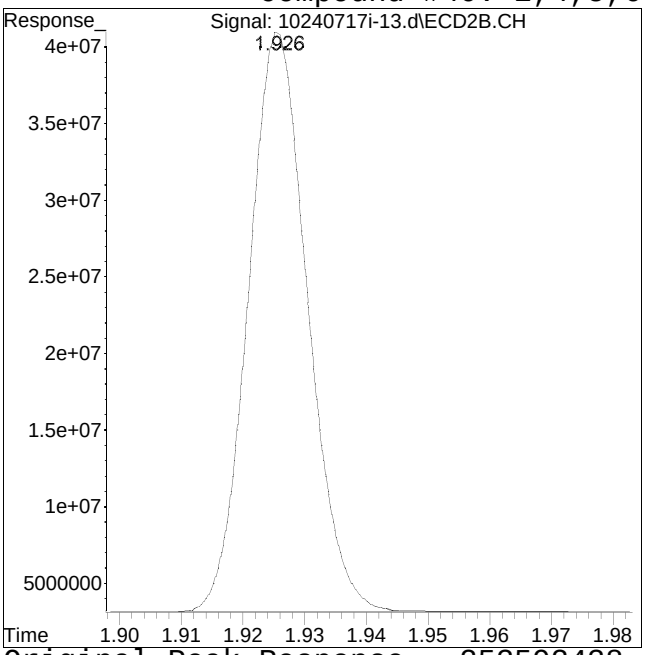


Original Peak Response = 1241122802 Manual Peak Response = 1236840216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

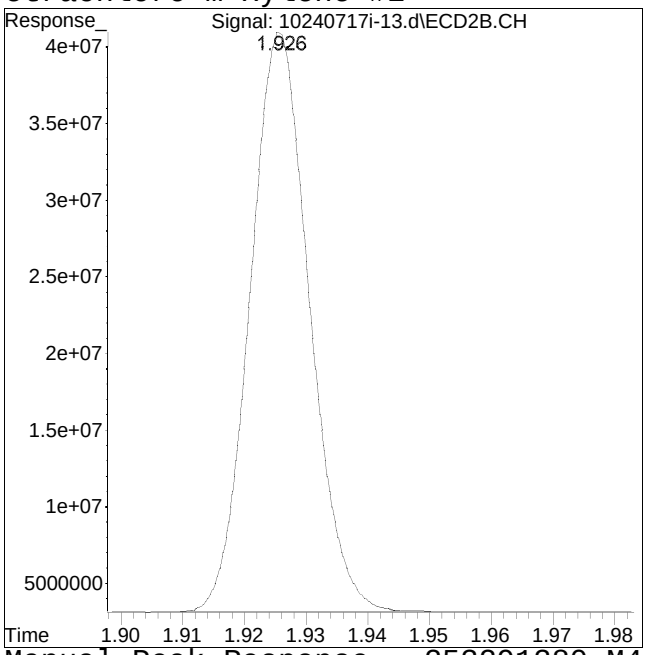
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 253592438



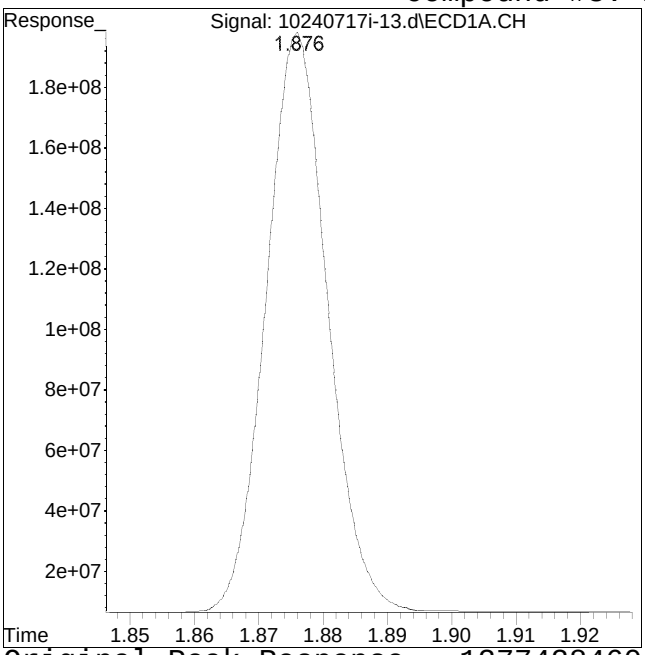
Manual Peak Response = 253291380 M4

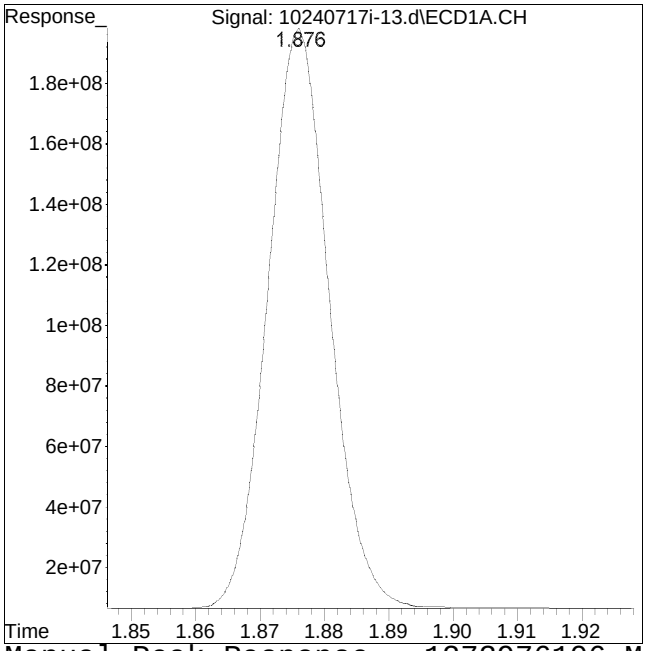
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #3: Hexachlorobenzene



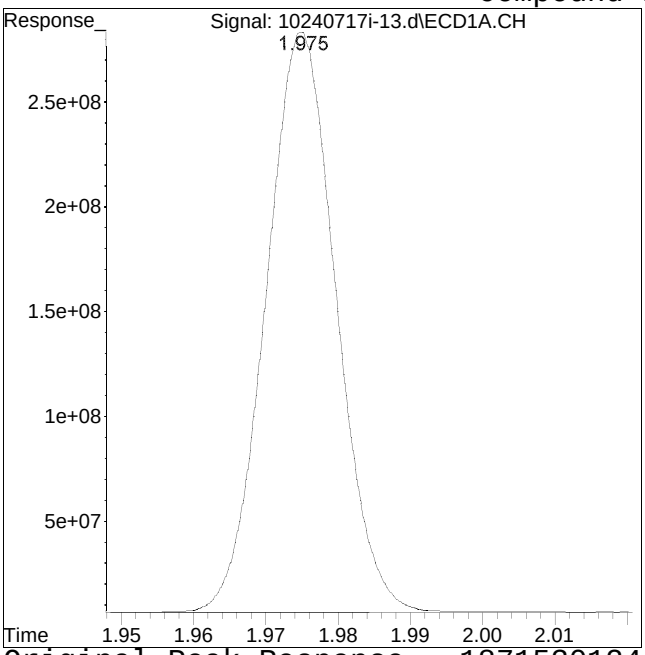


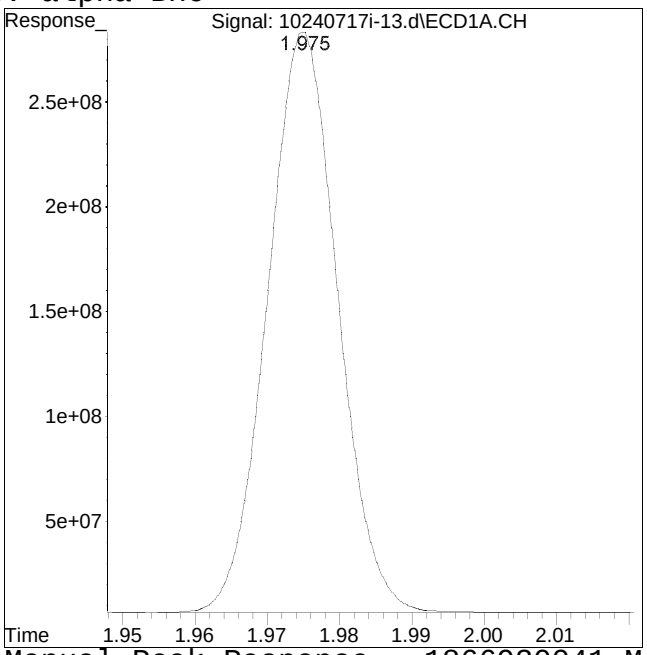
Original Peak Response = 1277428460 Manual Peak Response = 1273976106 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #4: alpha-BHC



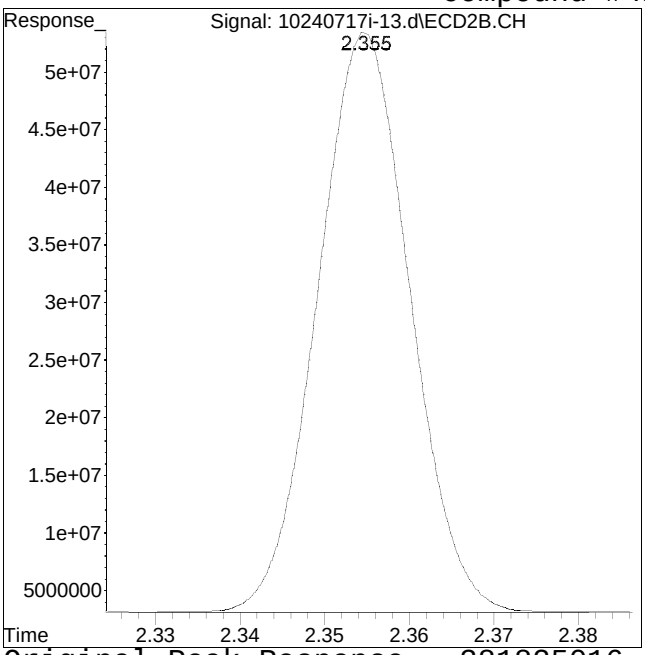


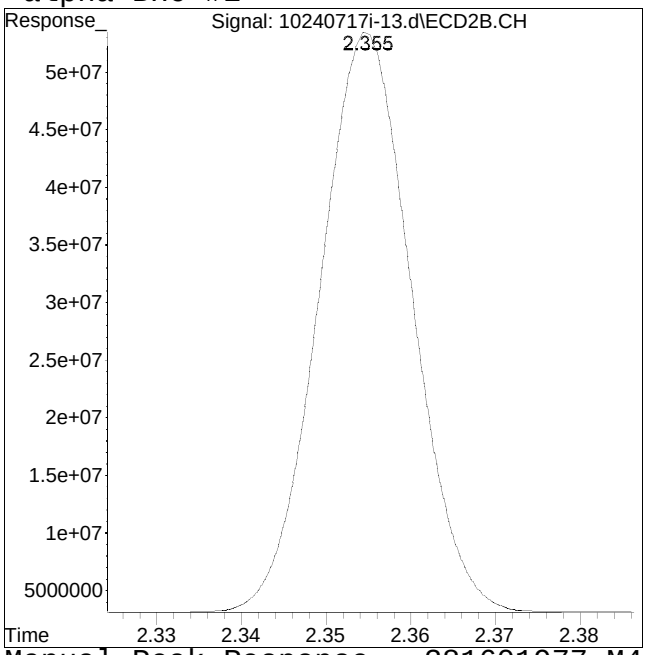
Original Peak Response = 1871530124 Manual Peak Response = 1866930041 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #42: alpha-BHC #2



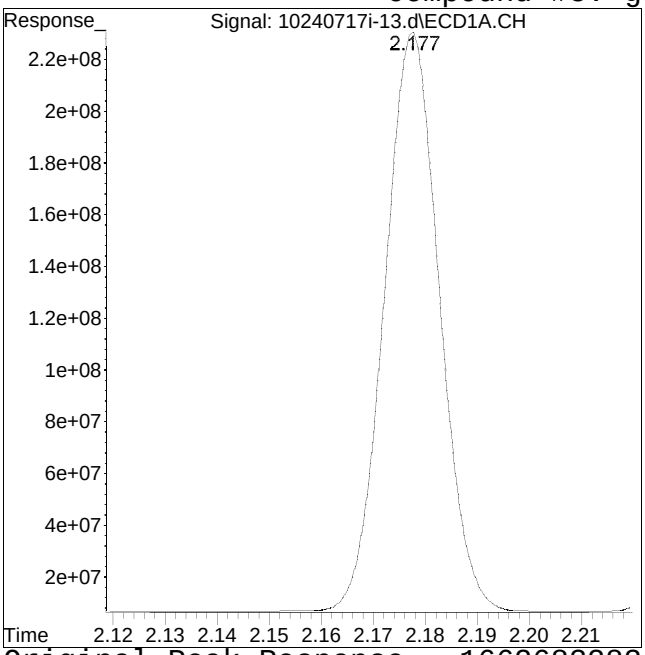


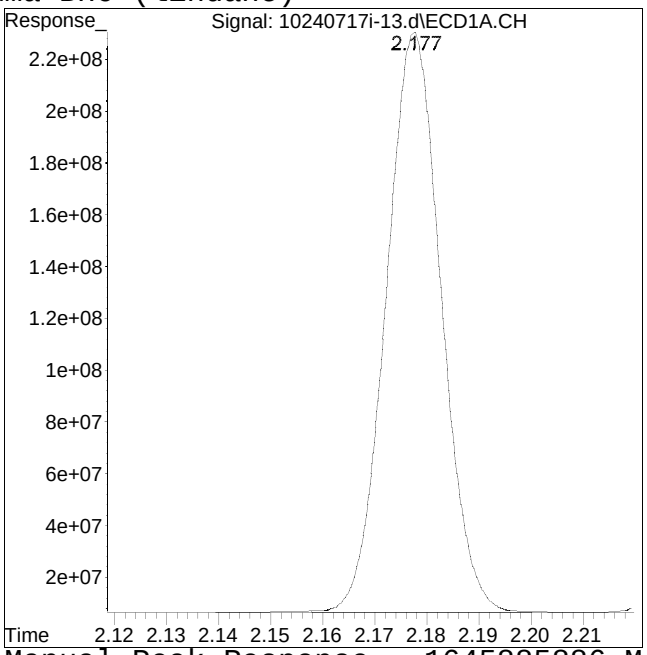
Original Peak Response = 381825016 Manual Peak Response = 381601977 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #5: gamma-BHC (lindane)



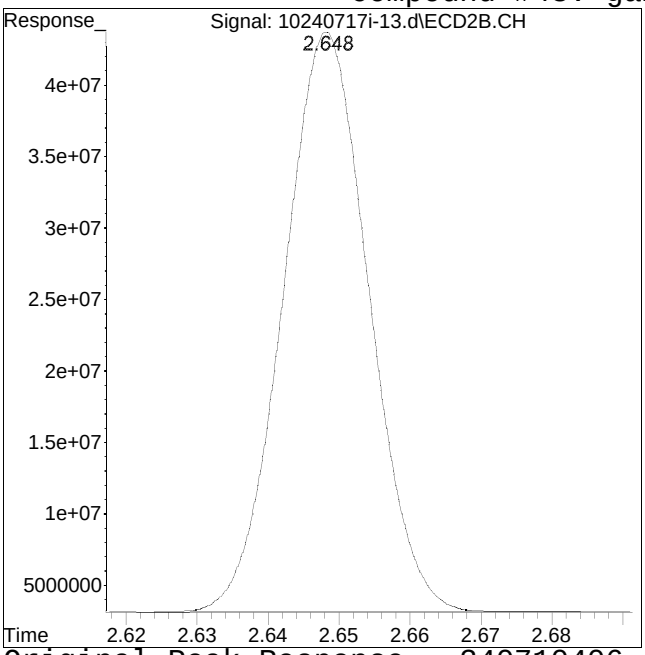


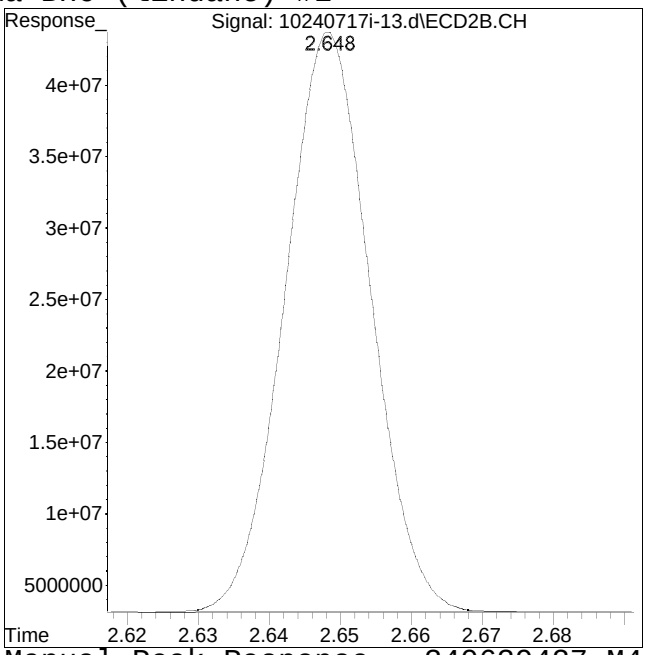
Original Peak Response = 1662683283 Manual Peak Response = 1645885886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #43: gamma-BHC (lindane) #2



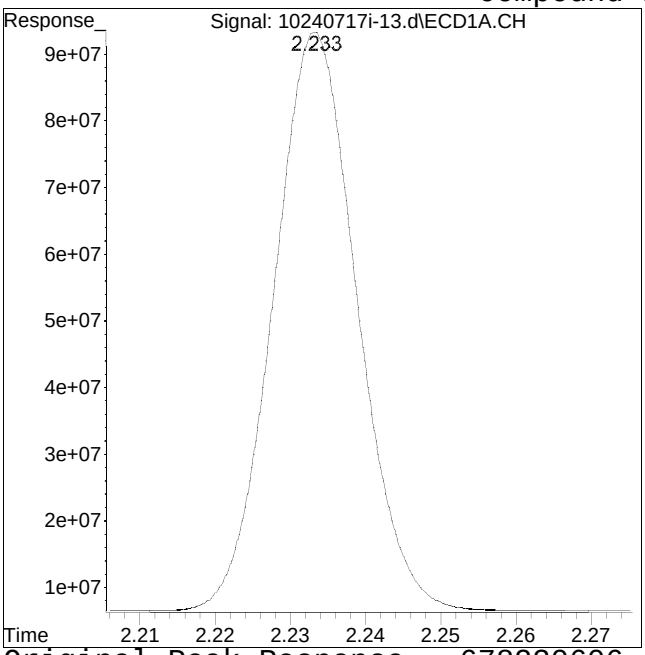


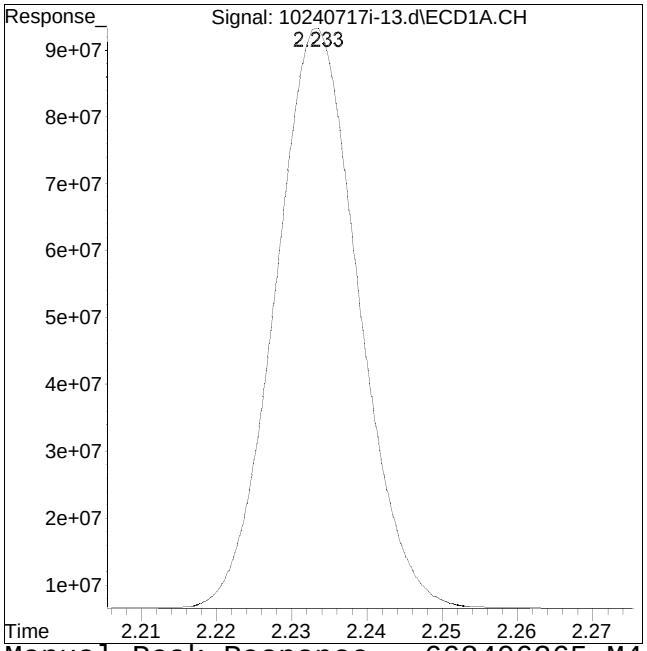
Original Peak Response = 340710406 Manual Peak Response = 340639427 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #6: beta-BHC



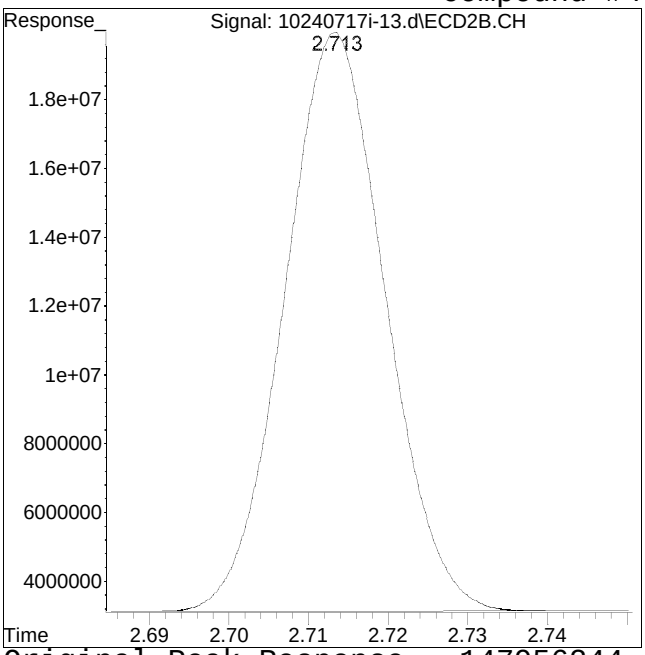


Original Peak Response = 678230606 Manual Peak Response = 668406265 M4
M4 = Poor automated baseline construction.

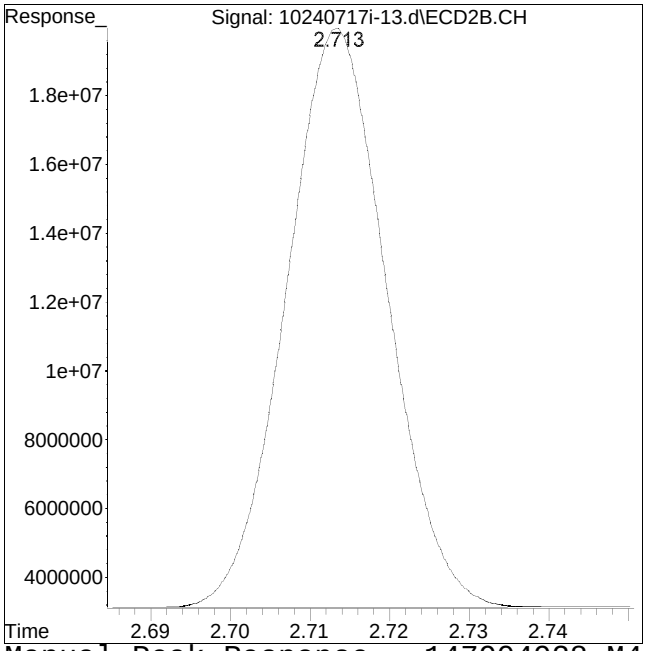
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #44: beta-BHC #2



Original Peak Response = 147956244



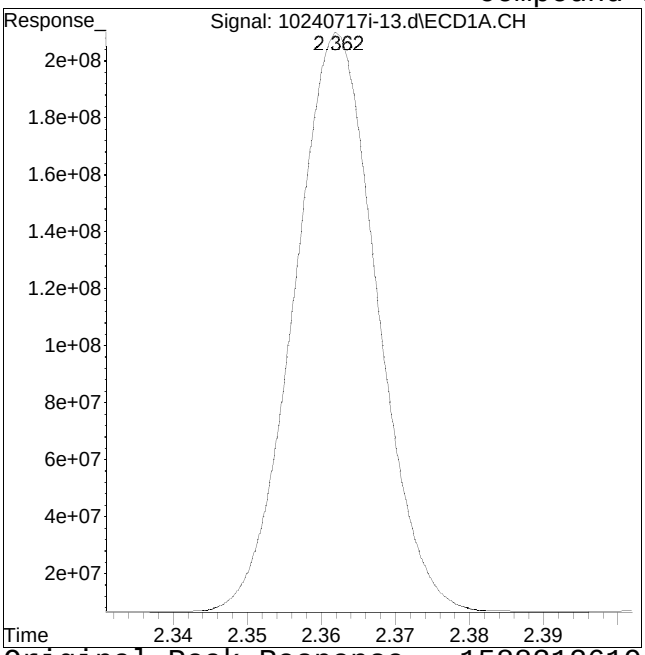
Manual Peak Response = 147904928 M4

M4 = Poor automated baseline construction.

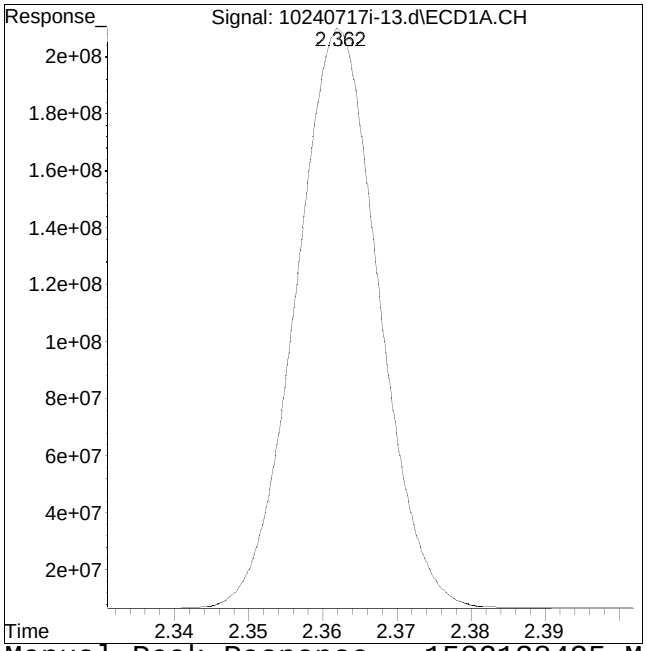
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #7: delta-BHC



Original Peak Response = 1588312619

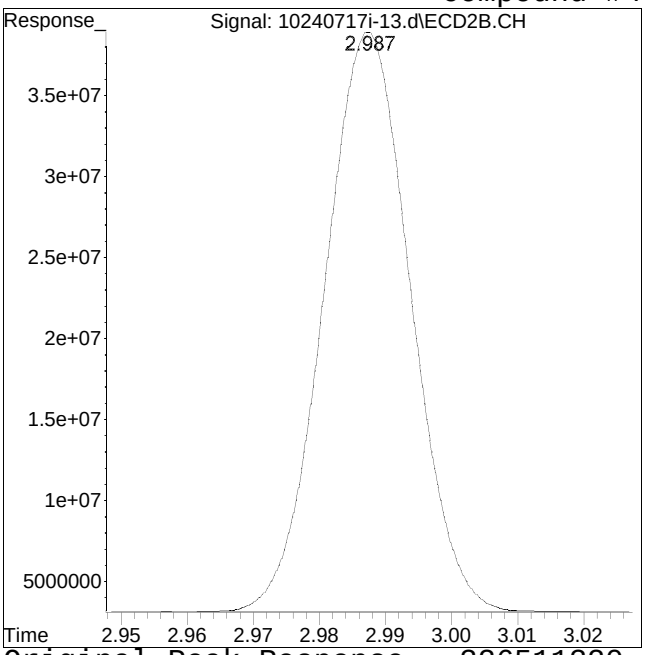


Manual Peak Response = 1582138435 M4
M4 = Poor automated baseline construction.

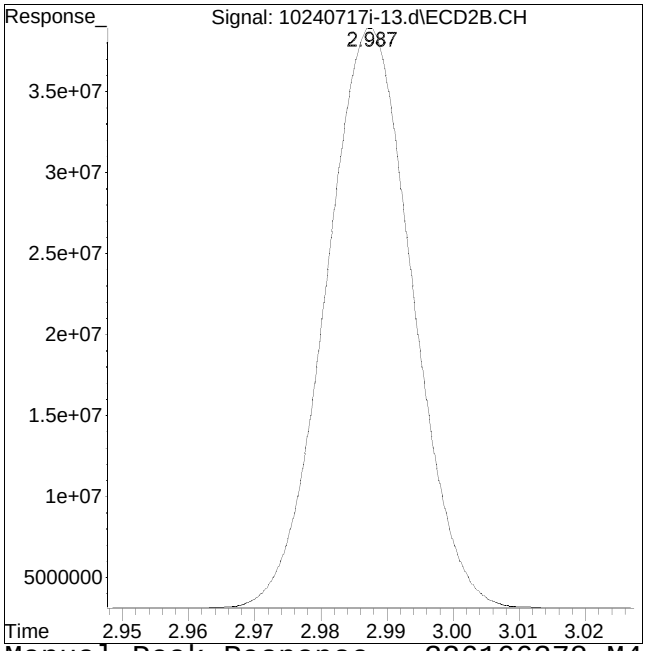
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #45: delta-BHC #2



Original Peak Response = 326511320



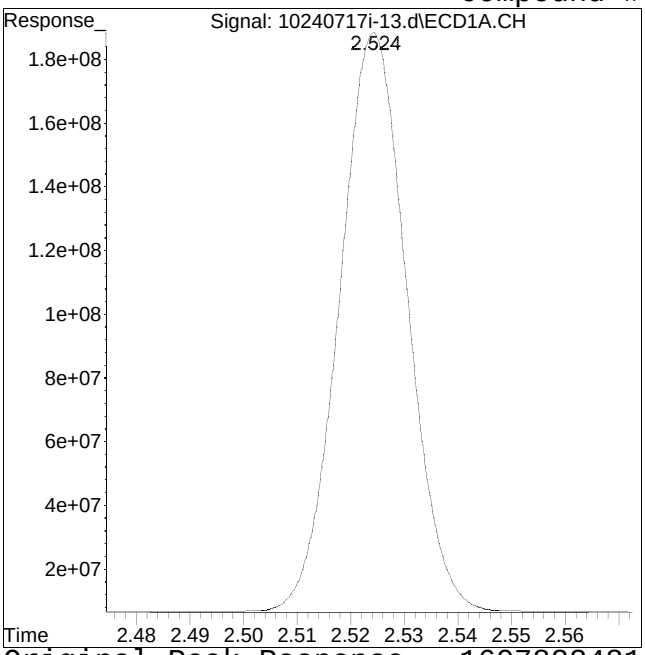
Manual Peak Response = 326166378 M4

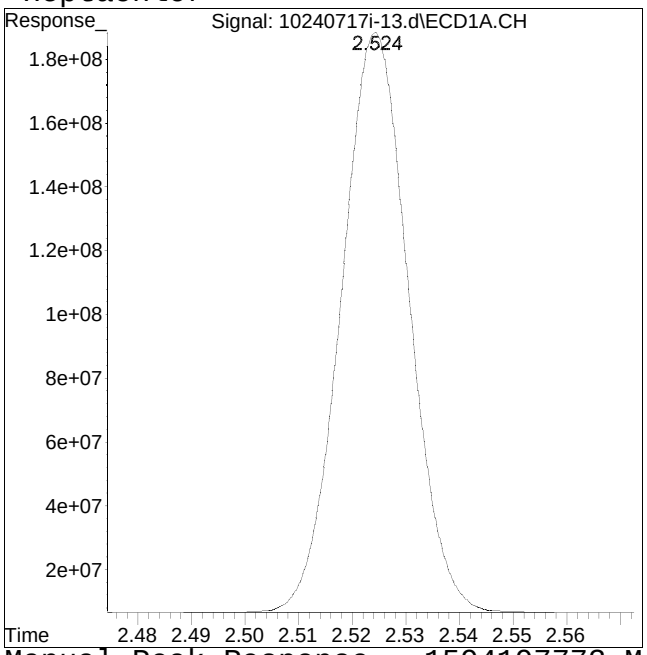
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #8: Heptachlor



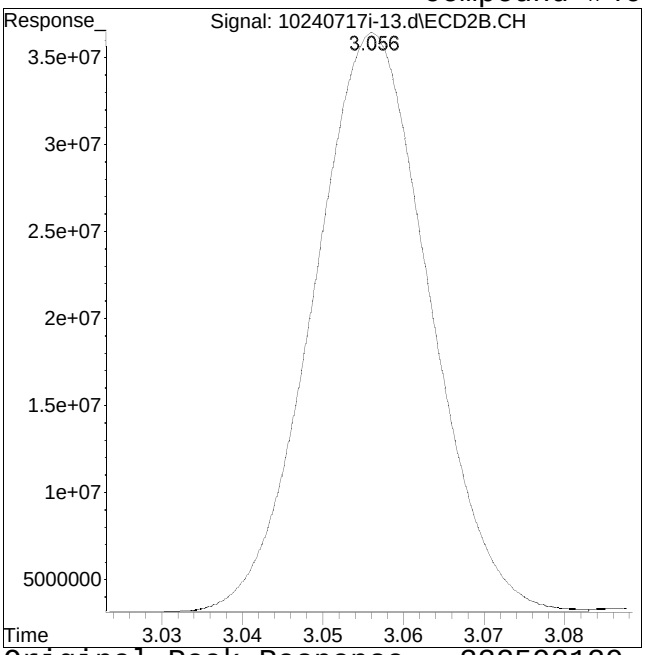


Original Peak Response = 1607822481 Manual Peak Response = 1594197773 M4
M4 = Poor automated baseline construction.

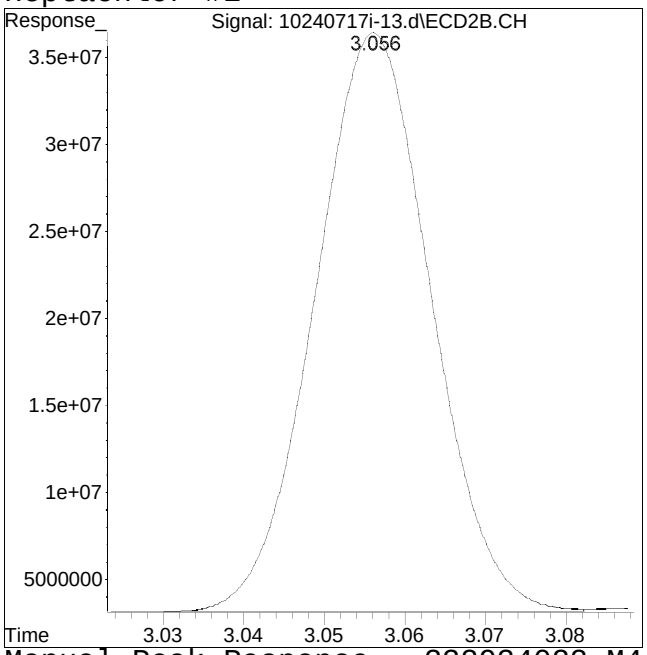
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #46: Heptachlor #2



Original Peak Response = 332592129



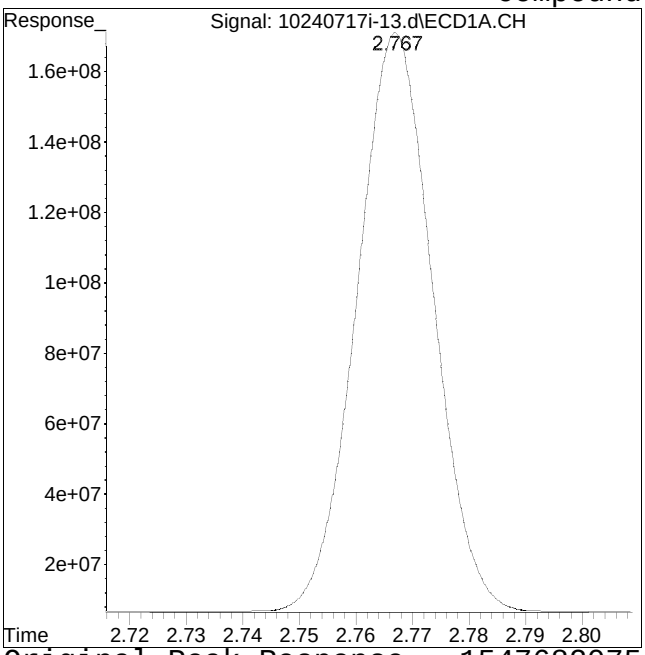
Manual Peak Response = 332934022 M4

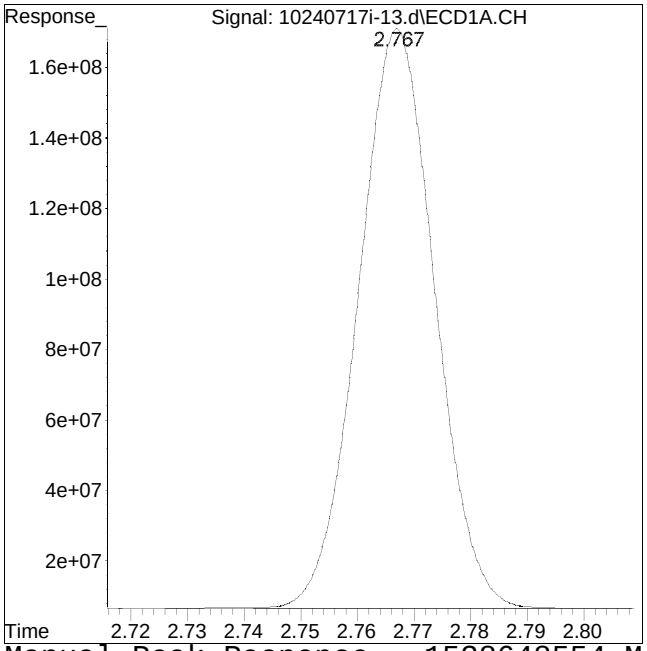
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #9: Aldrin



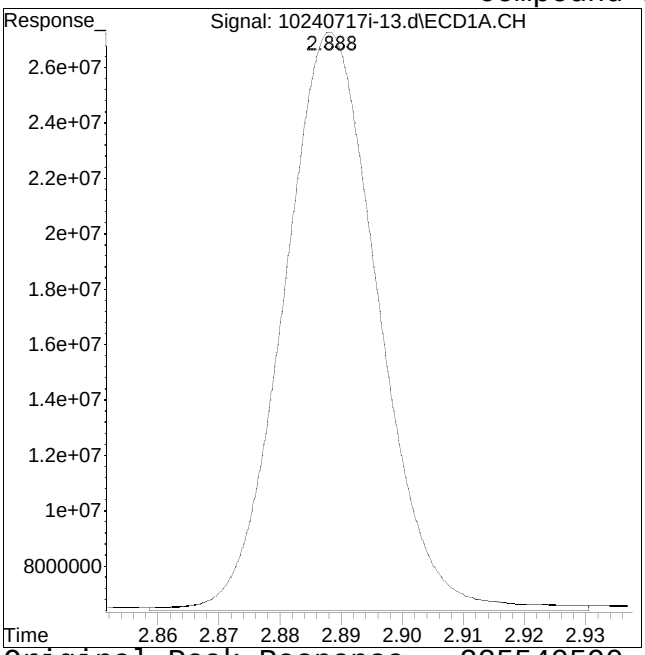


Original Peak Response = 1547682075 Manual Peak Response = 1538648554 M4
M4 = Poor automated baseline construction.

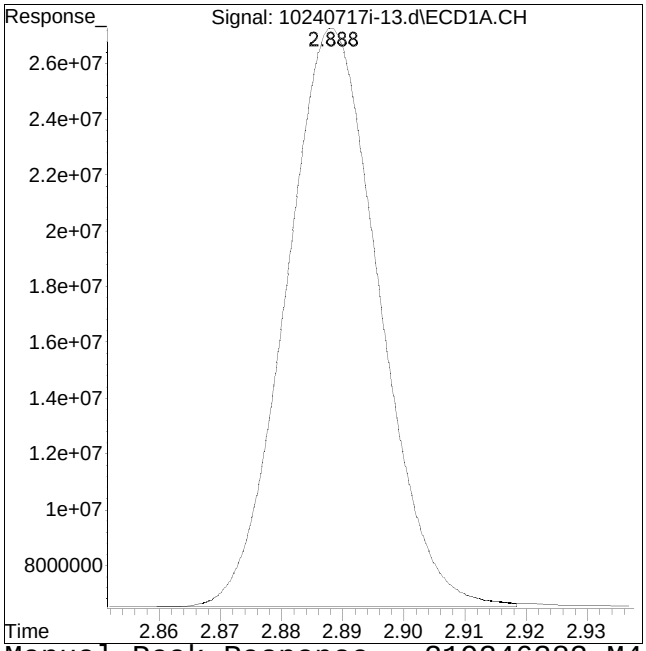
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #10: Alachlor



Original Peak Response = 225540590



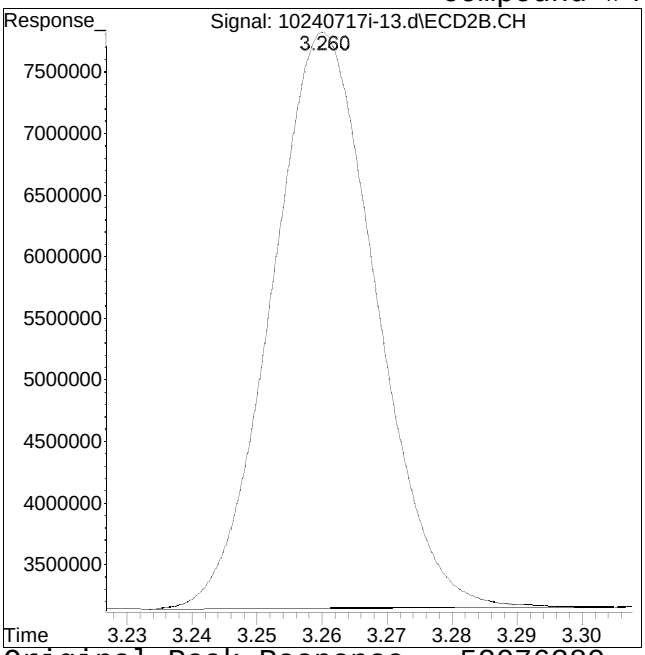
Manual Peak Response = 219346383 M4

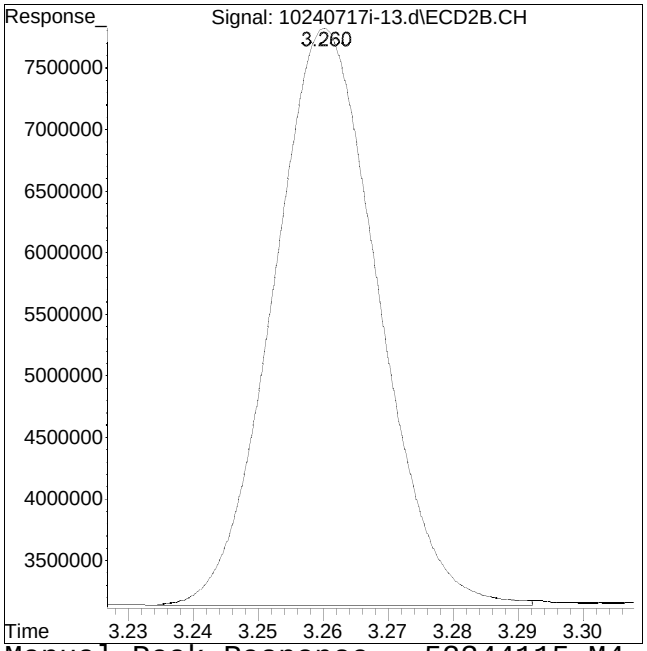
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #48: Alachlor #2



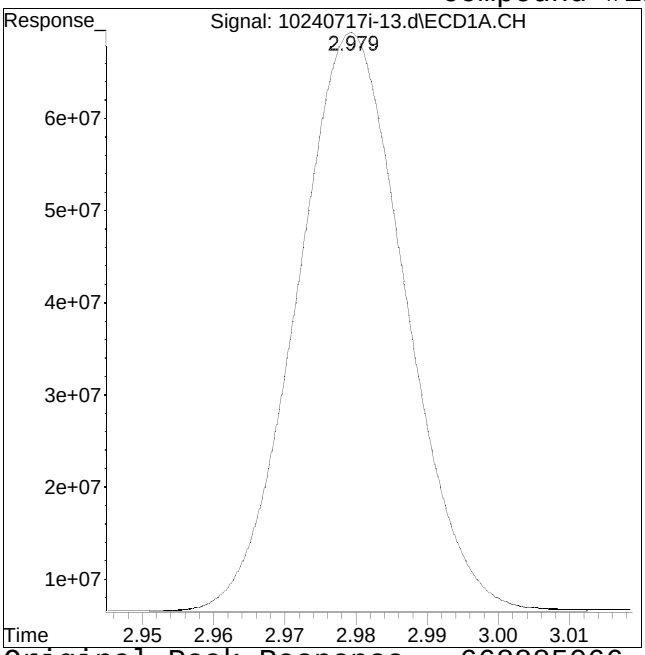


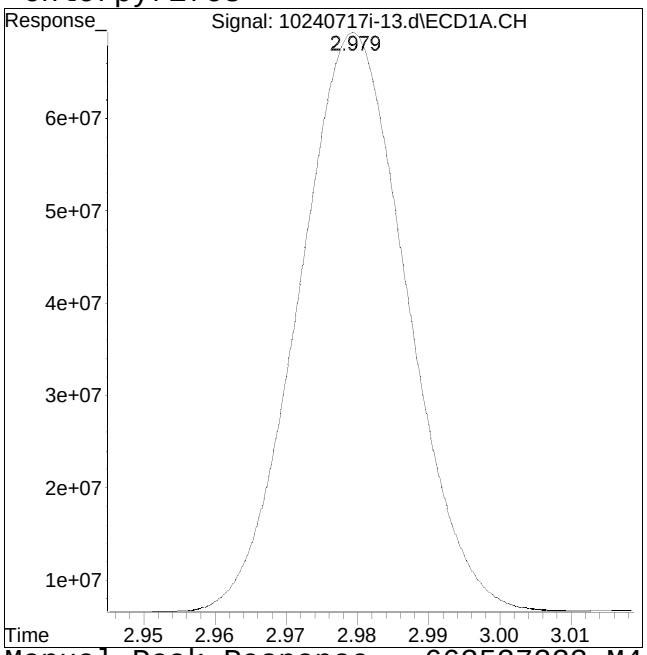
Original Peak Response = 52076380 Manual Peak Response = 52344115 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #11: Chlorpyrifos



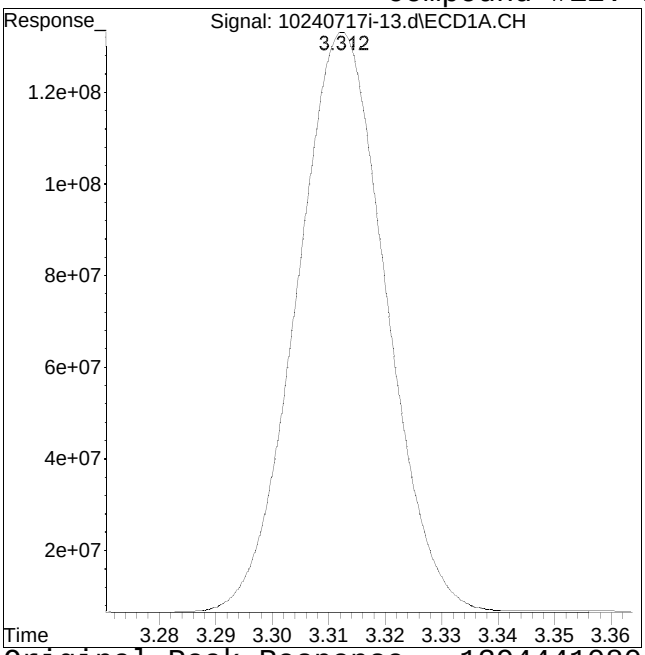


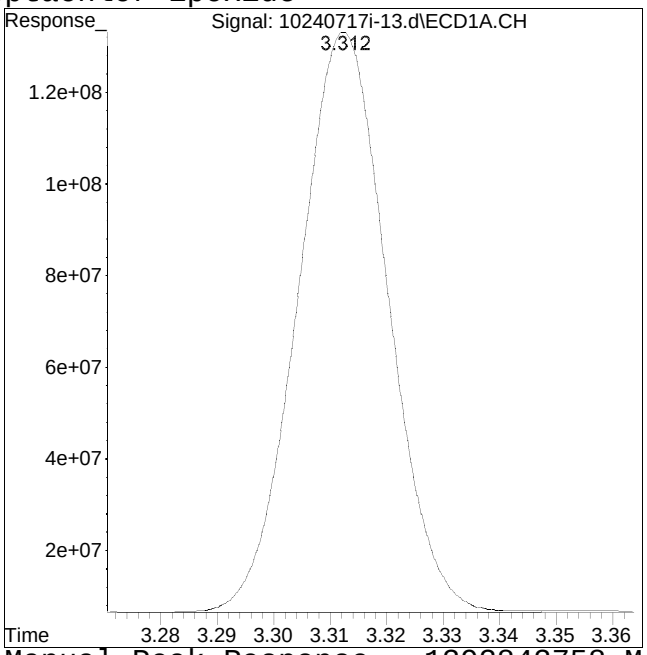
Original Peak Response = 668885066 Manual Peak Response = 663537333 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #12: Heptachlor Epoxide



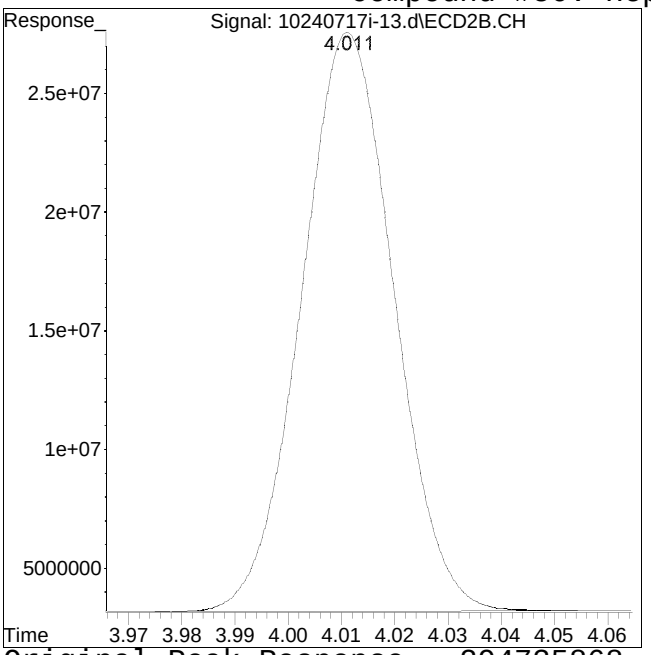


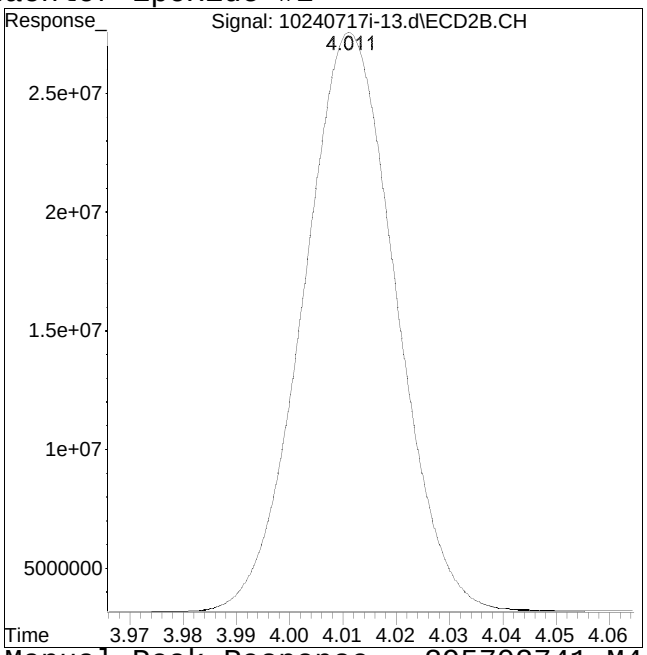
Original Peak Response = 1394441080 Manual Peak Response = 1393843758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #50: Heptachlor Epoxide #2



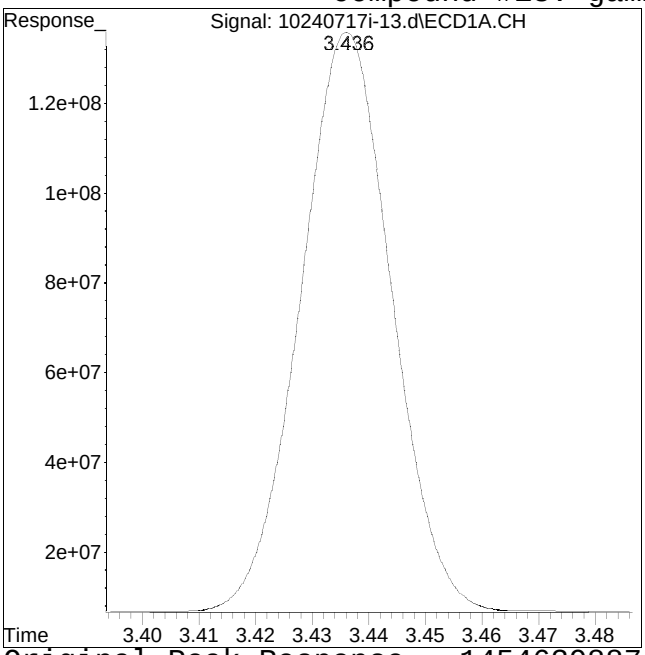


Original Peak Response = 294735868 Manual Peak Response = 295702741 M4
M4 = Poor automated baseline construction.

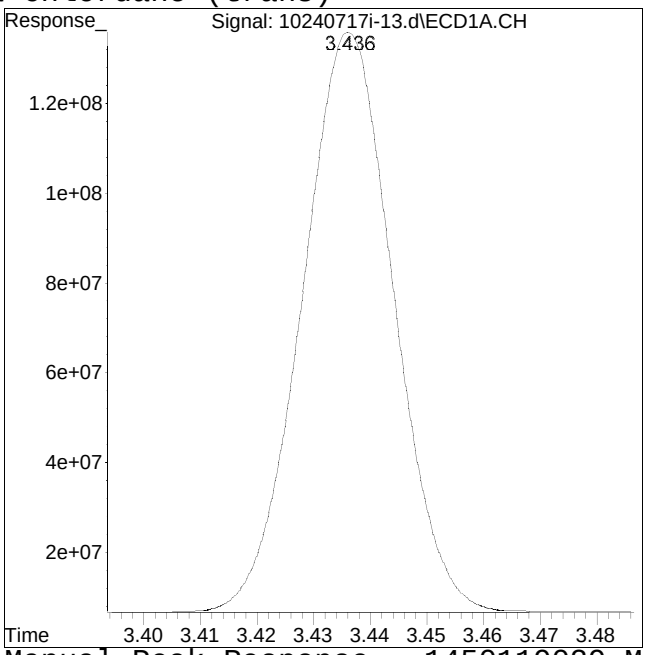
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 1454639887

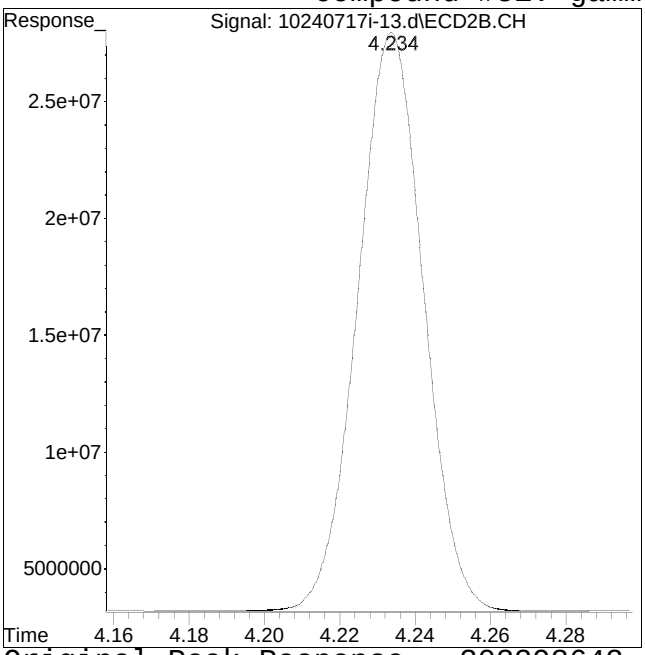


Manual Peak Response = 1450119029 M4
M4 = Poor automated baseline construction.

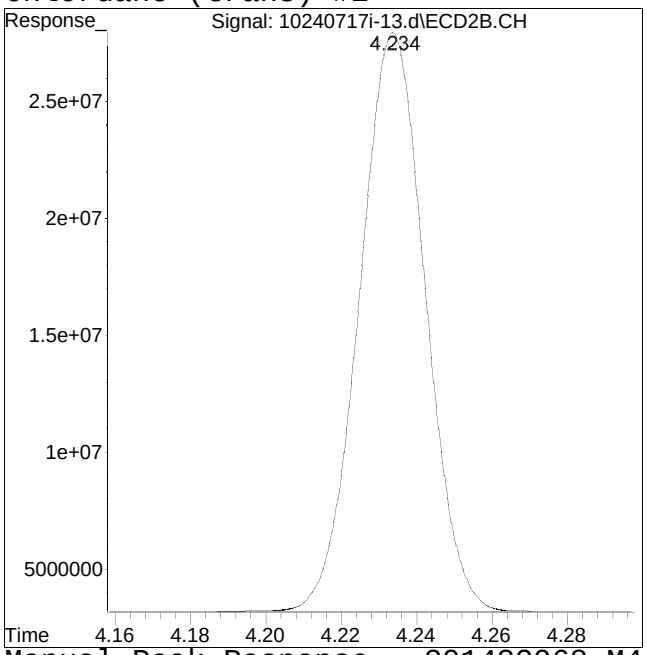
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 303393642



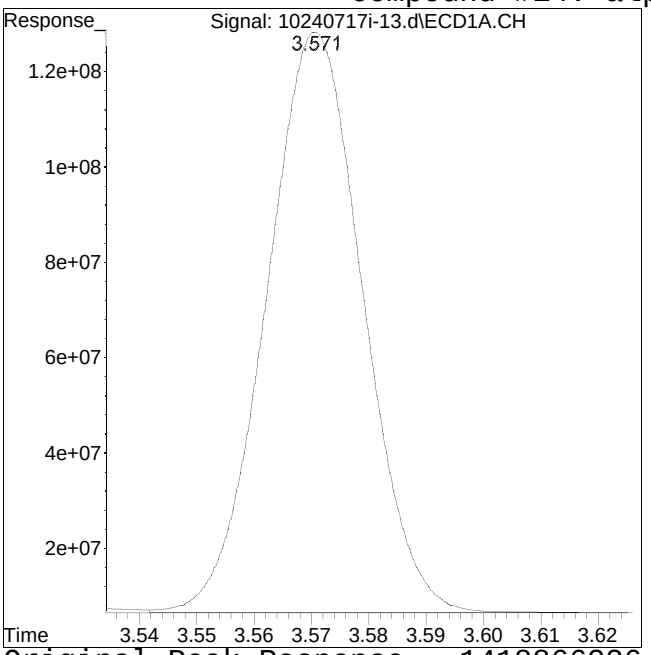
Manual Peak Response = 301432968 M4

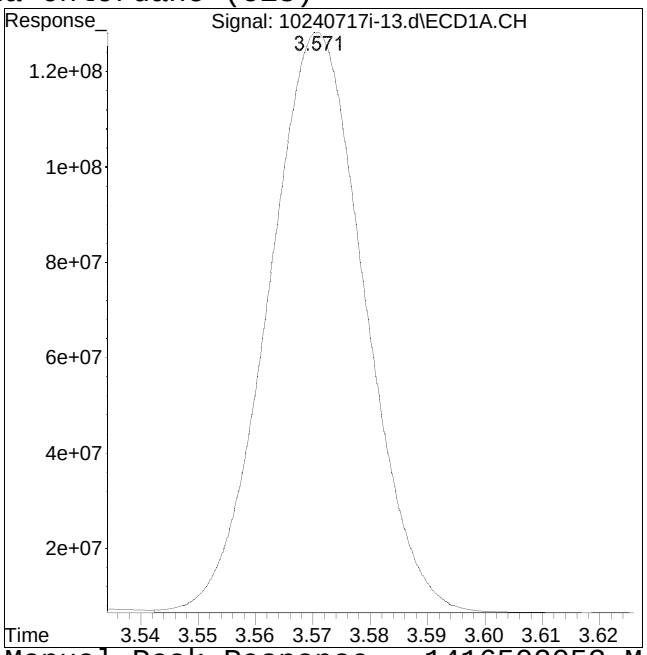
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #14: alpha-Chlordane (cis)



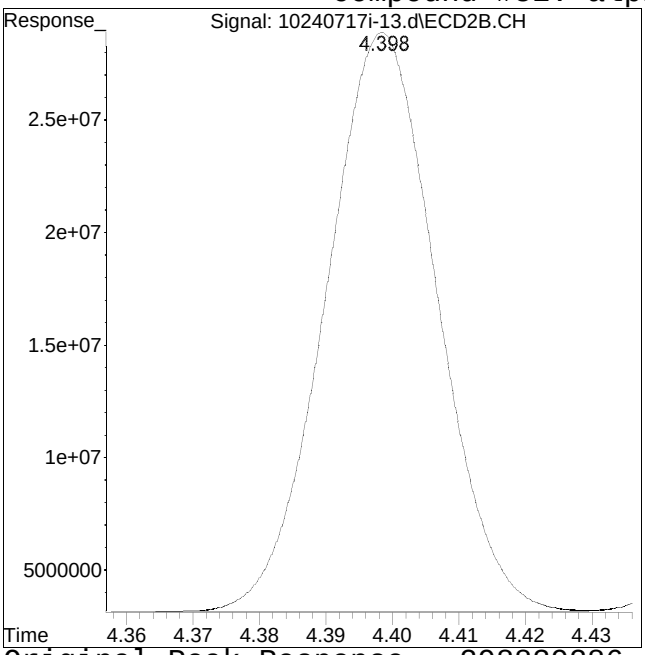


Original Peak Response = 1418866226 Manual Peak Response = 1416502053 M4
M4 = Poor automated baseline construction.

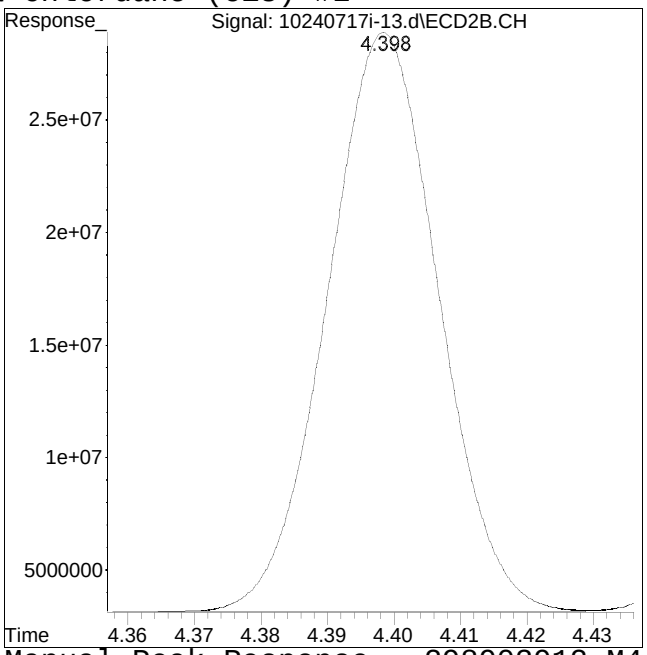
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 298839286



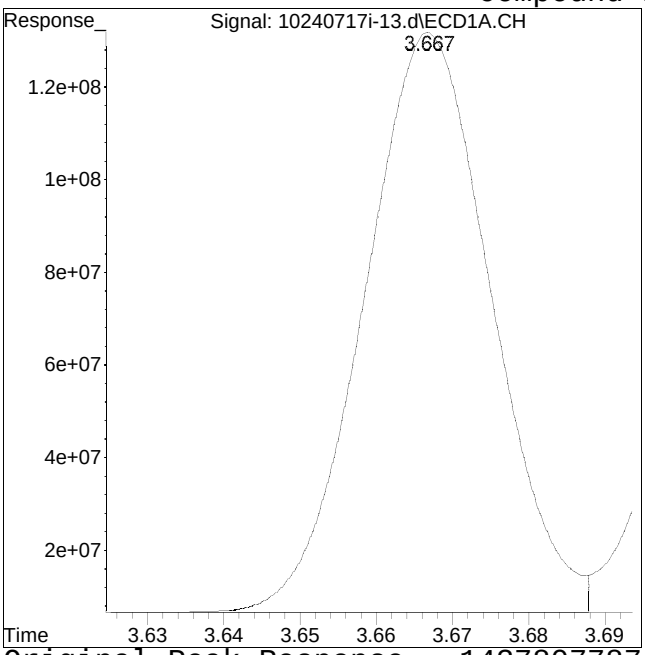
Manual Peak Response = 298903912 M4

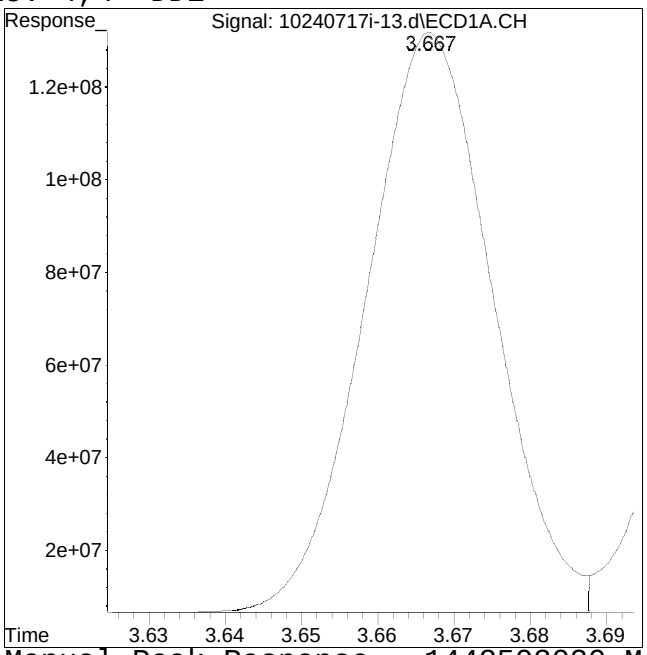
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #15: 4,4'-DDE



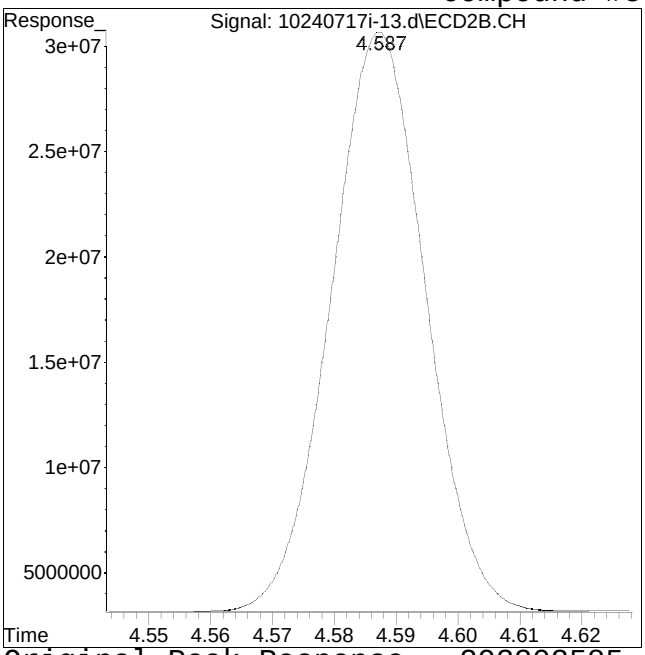


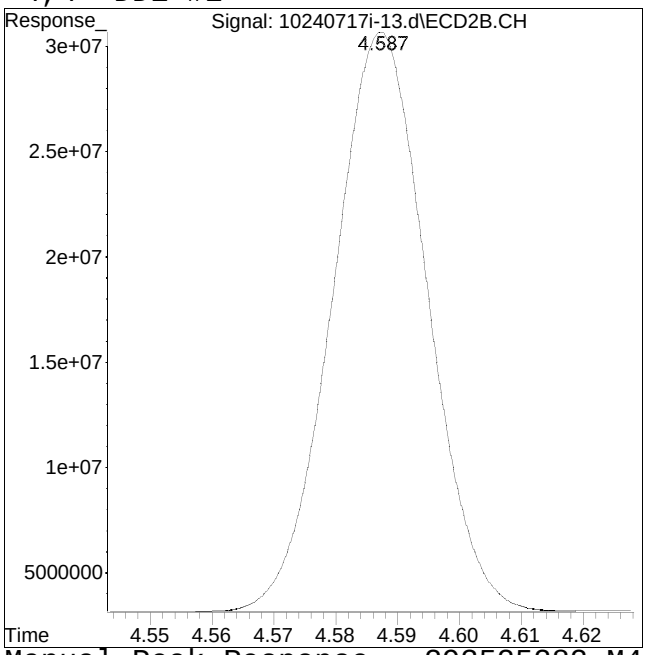
Original Peak Response = 1437807787 Manual Peak Response = 1442503020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #53: 4,4'-DDE #2



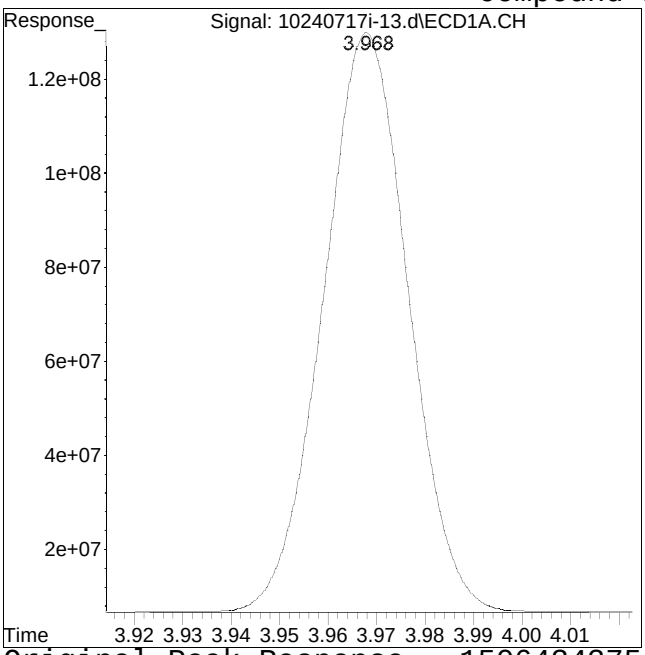


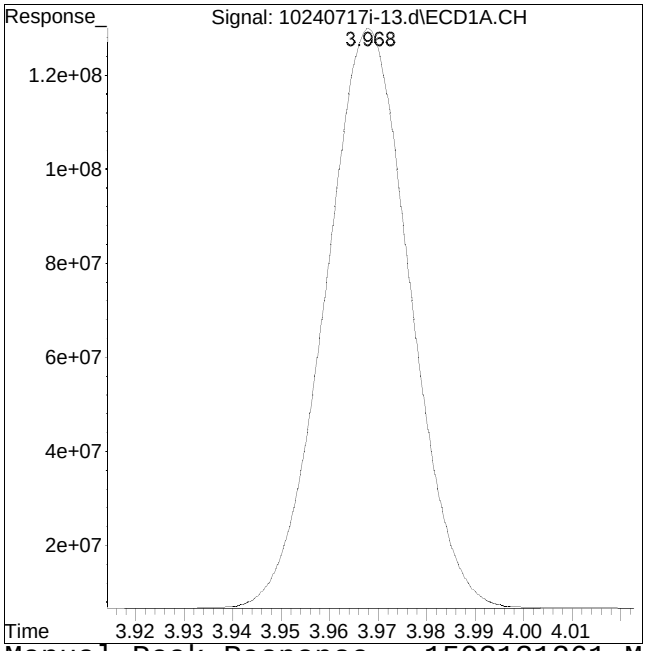
Original Peak Response = 293302585 Manual Peak Response = 293525282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #17: Dieldrin



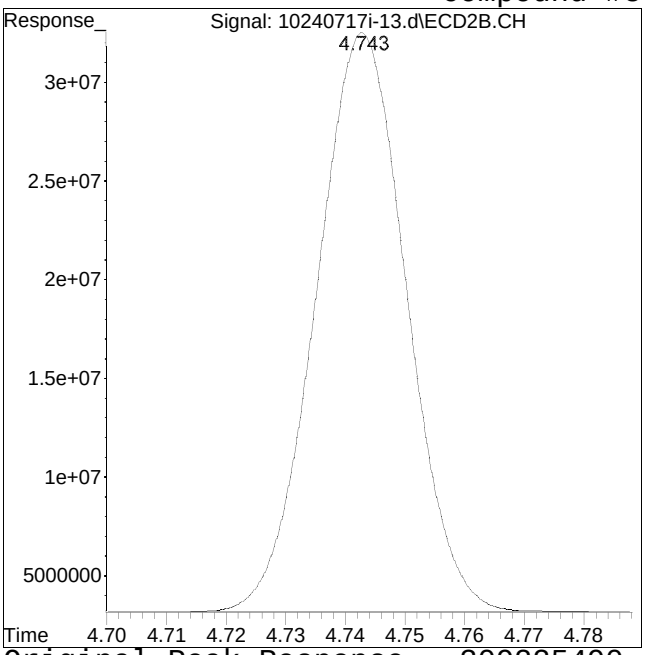


Original Peak Response = 1506434375 Manual Peak Response = 1503131261 M4
M4 = Poor automated baseline construction.

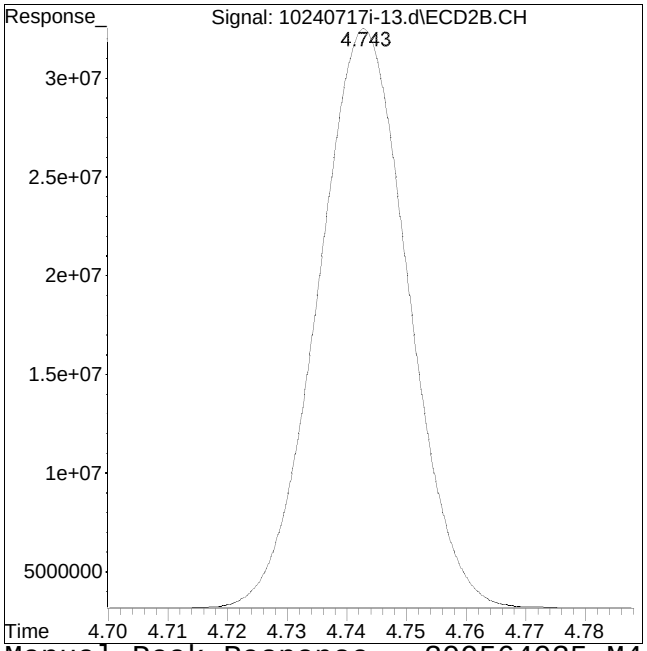
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #55: Dieldrin #2



Original Peak Response = 309225490



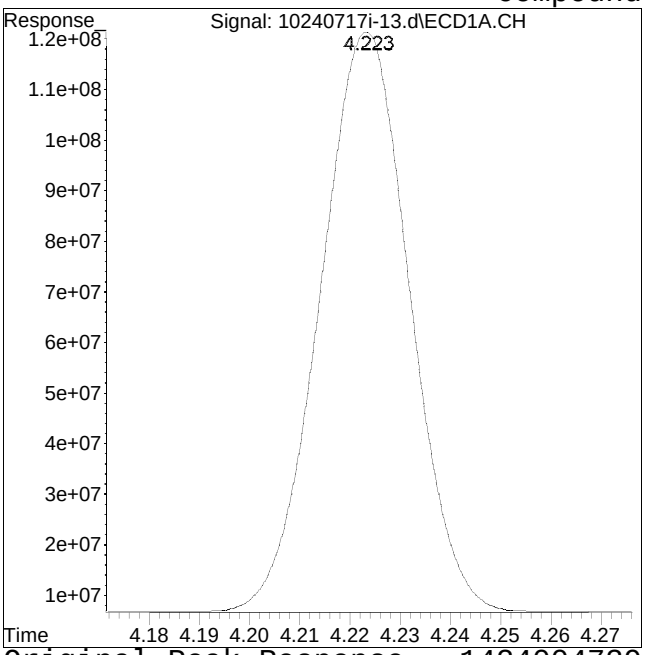
Manual Peak Response = 309564035 M4

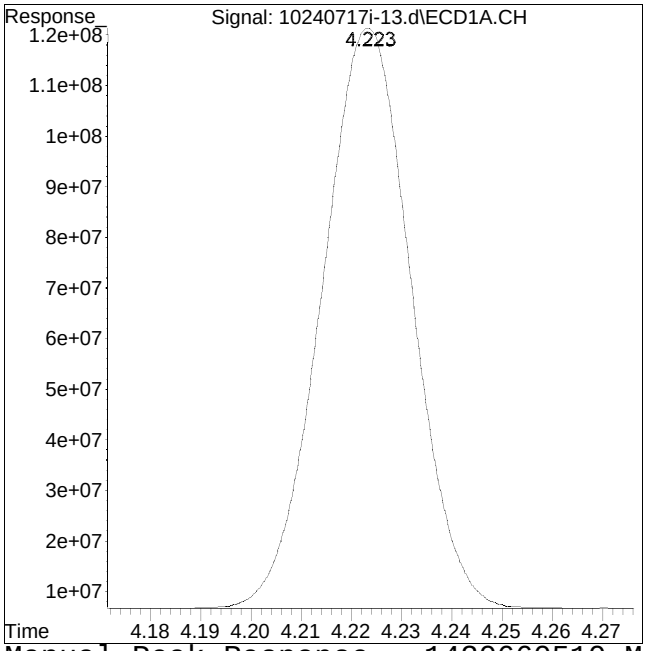
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #18: Endrin



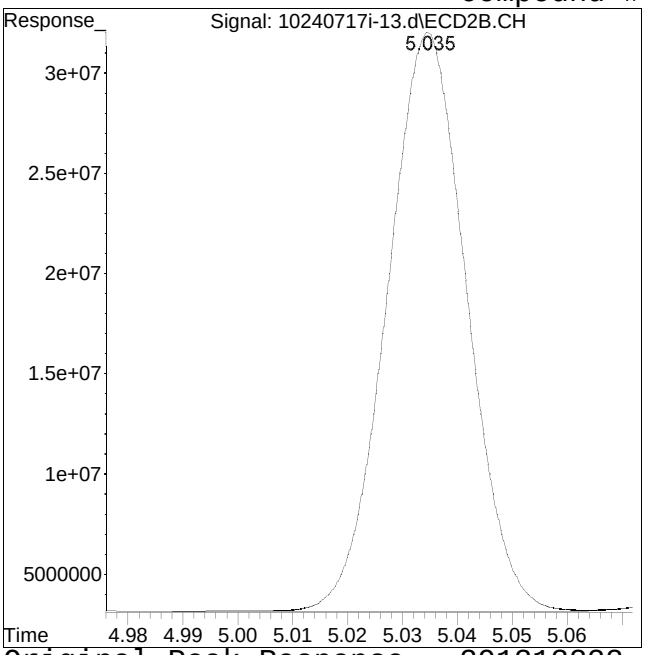


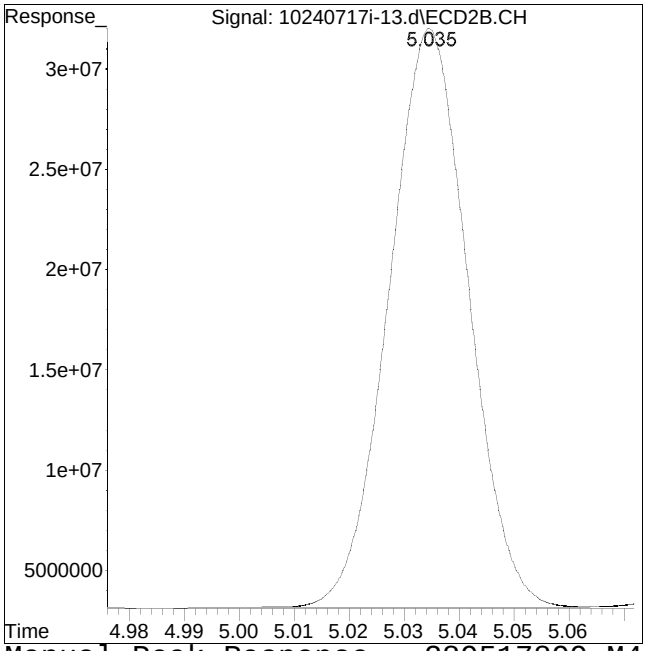
Original Peak Response = 1424004739 Manual Peak Response = 1420660510 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #56: Endrin #2



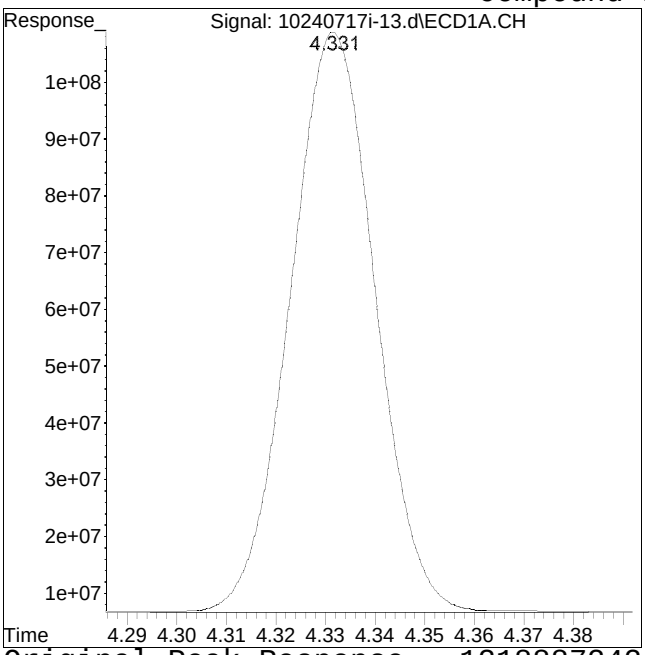


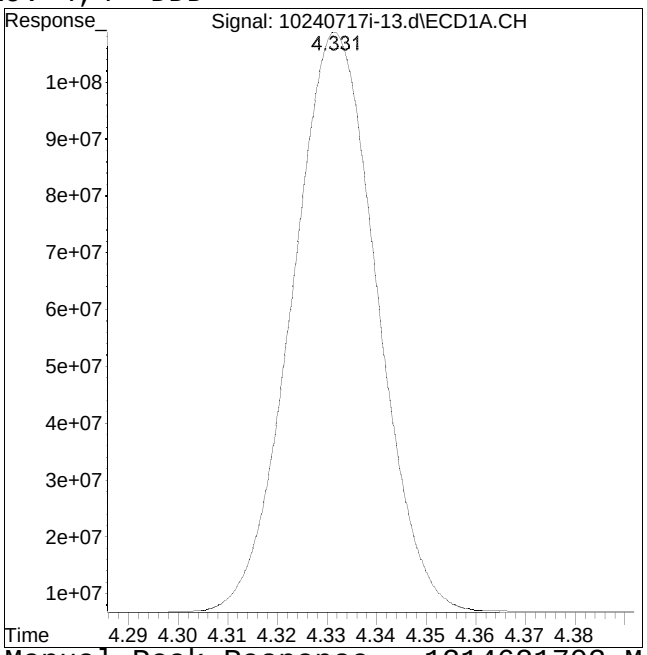
Original Peak Response = 291313222 Manual Peak Response = 289517899 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #19: 4,4'-DDD



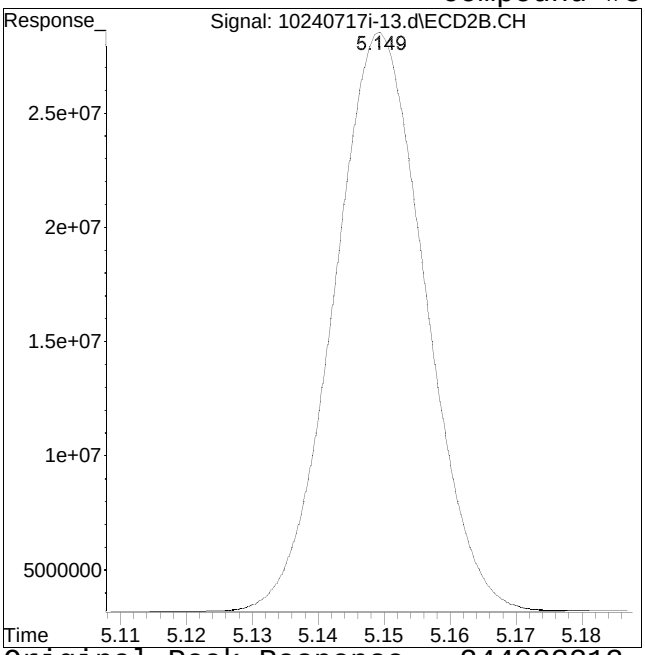


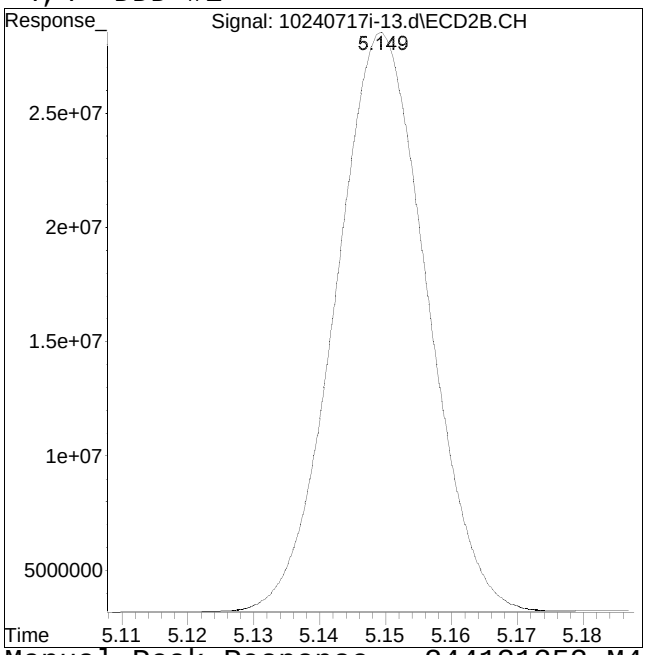
Original Peak Response = 1218887242 Manual Peak Response = 1214621703 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #57: 4,4'-DDD #2



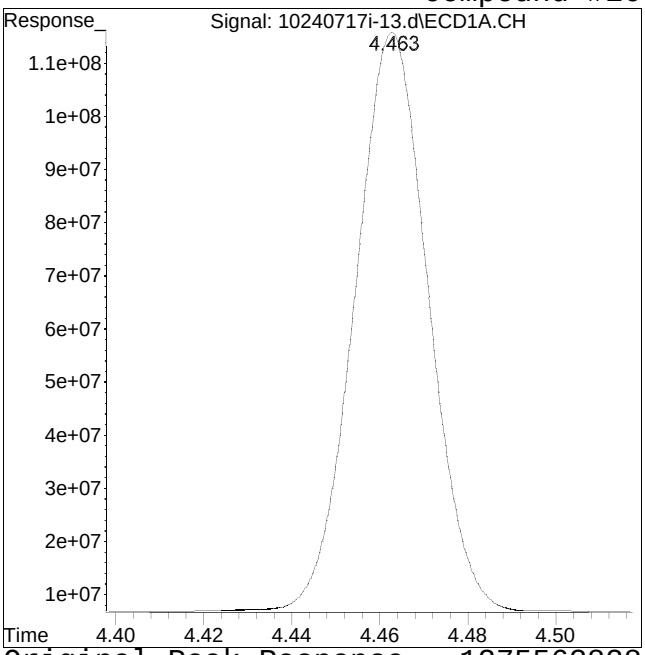


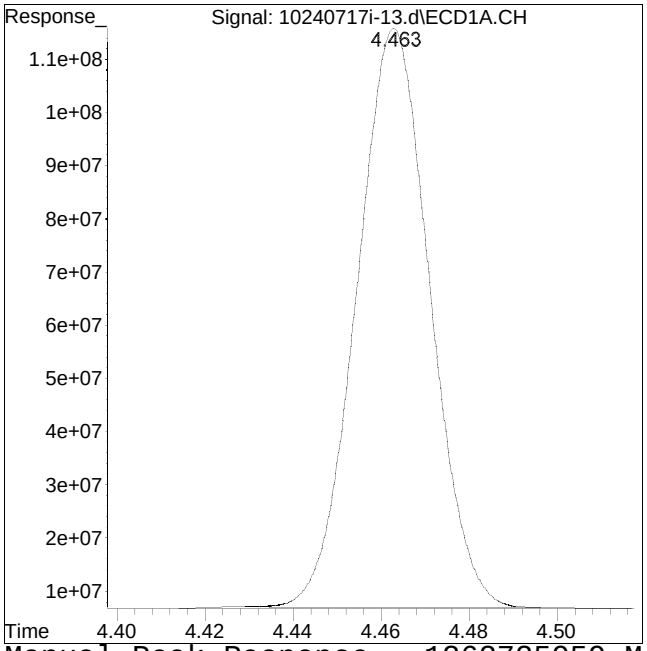
Original Peak Response = 244923313 Manual Peak Response = 244131252 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #20: Endosulfan II



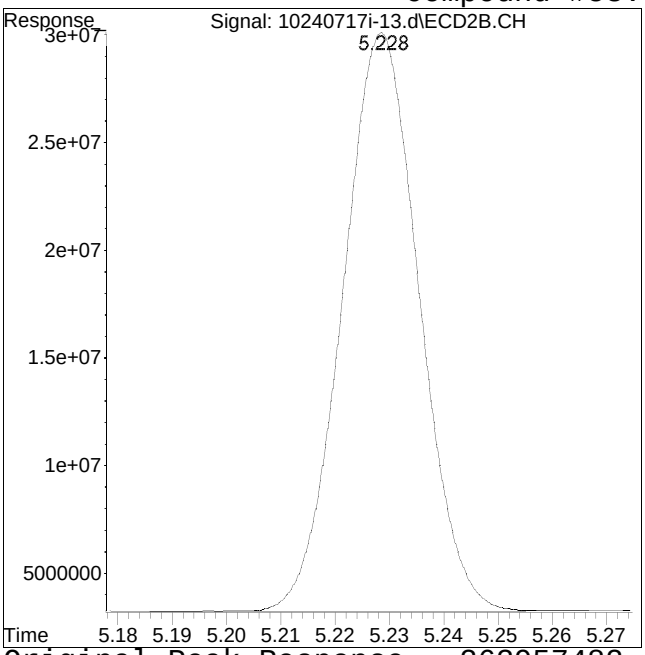


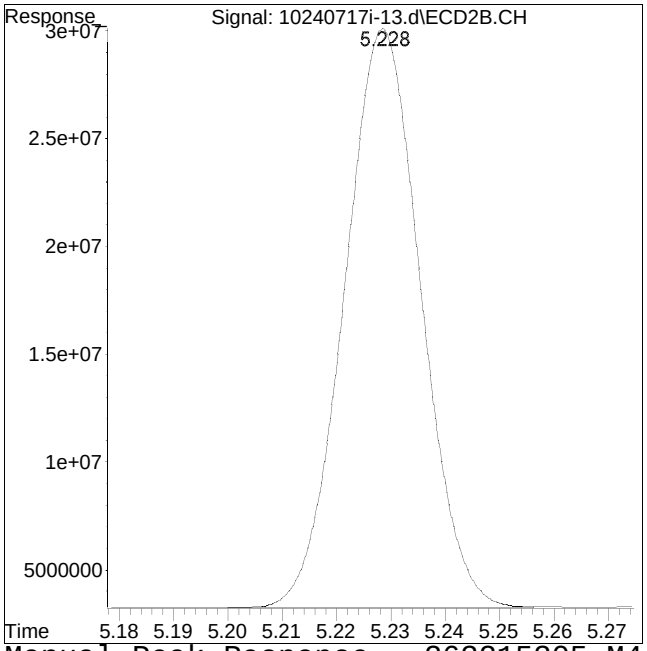
Original Peak Response = 1275563828 Manual Peak Response = 1262725959 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #58: Endosulfan II #2



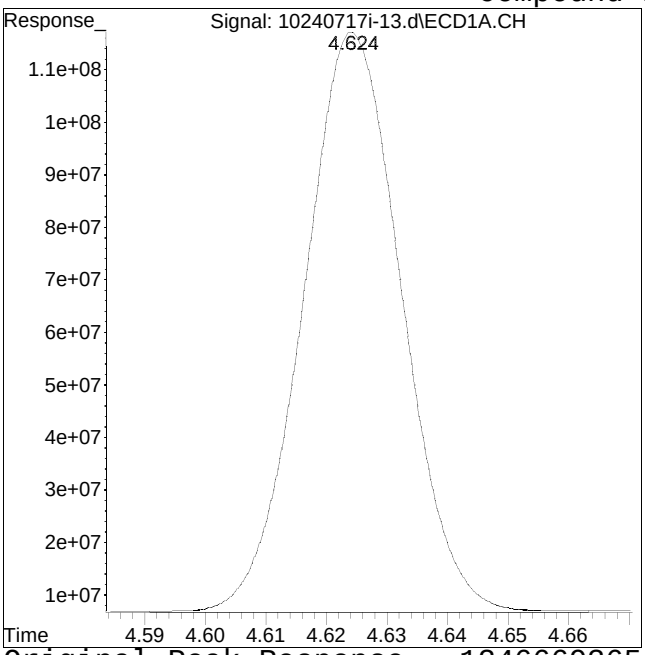


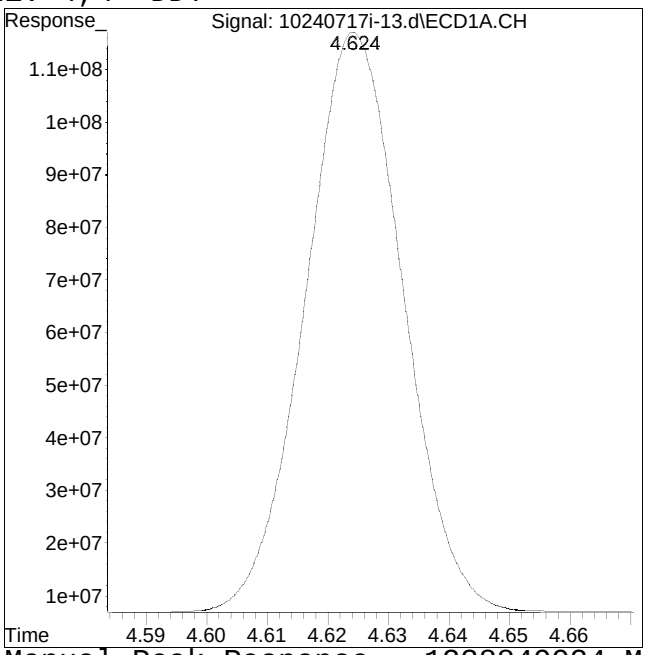
Original Peak Response = 263957482 Manual Peak Response = 263215305 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #21: 4,4'-DDT



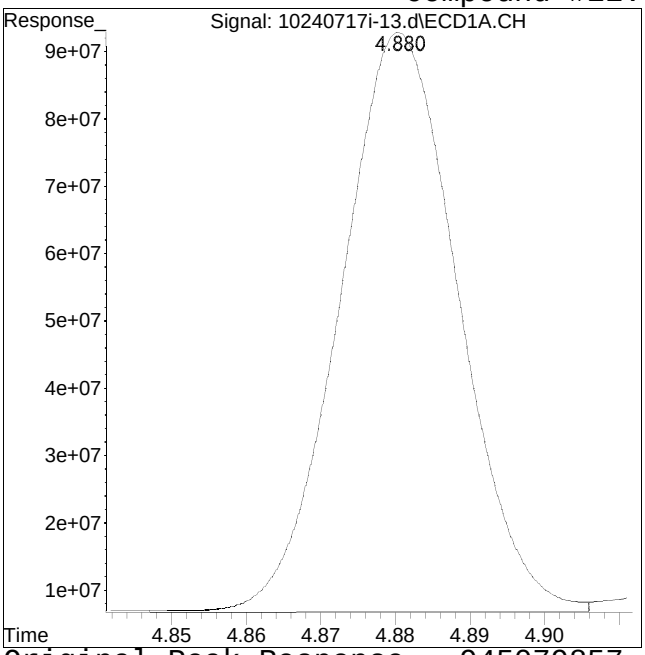


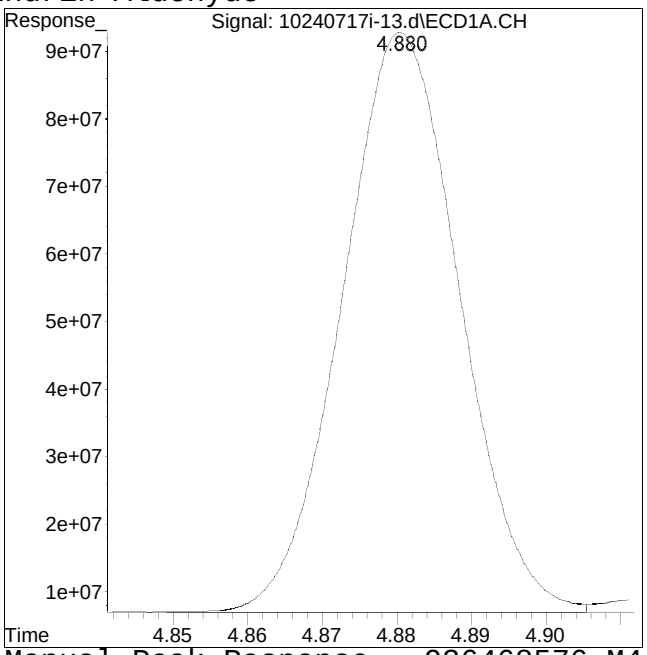
Original Peak Response = 1246669365 Manual Peak Response = 1238849924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #22: Endrin Aldehyde



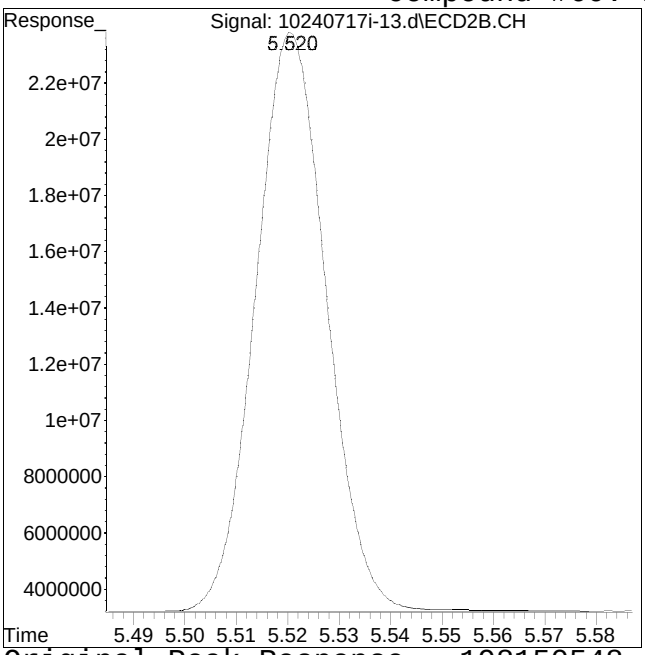


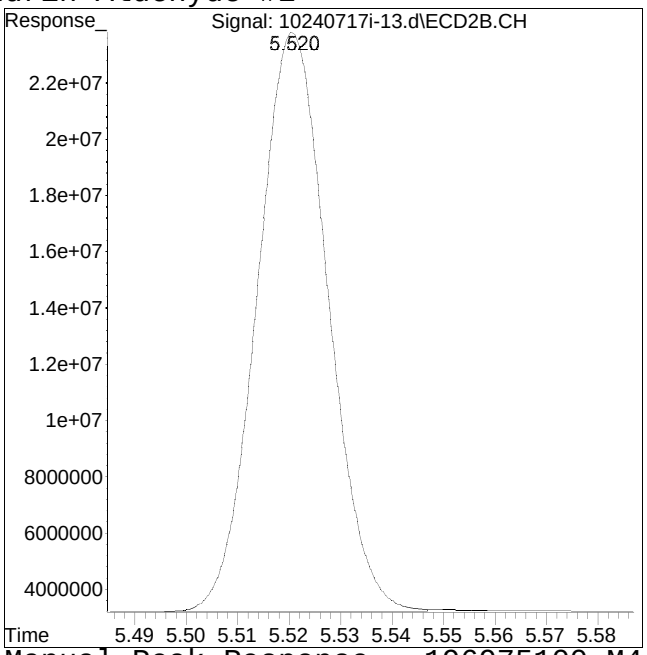
Original Peak Response = 945079857 Manual Peak Response = 936468576 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #60: Endrin Aldehyde #2



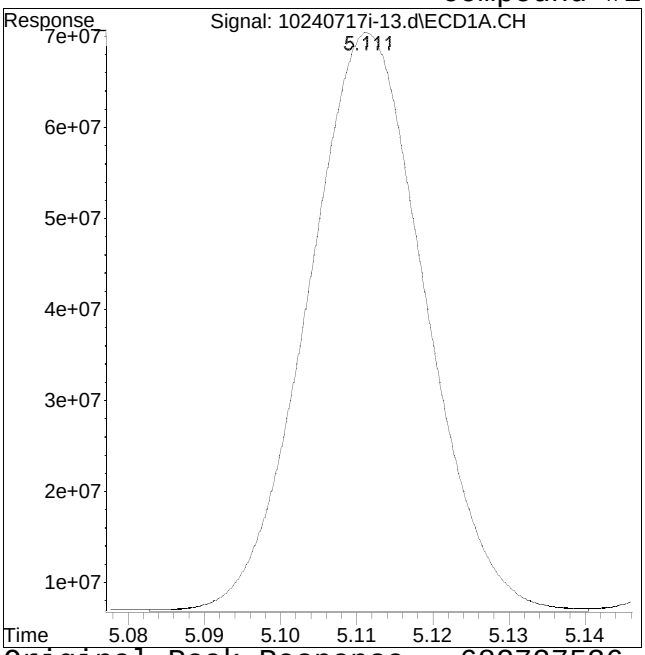


Original Peak Response = 198150548 Manual Peak Response = 196975100 M4
M4 = Poor automated baseline construction.

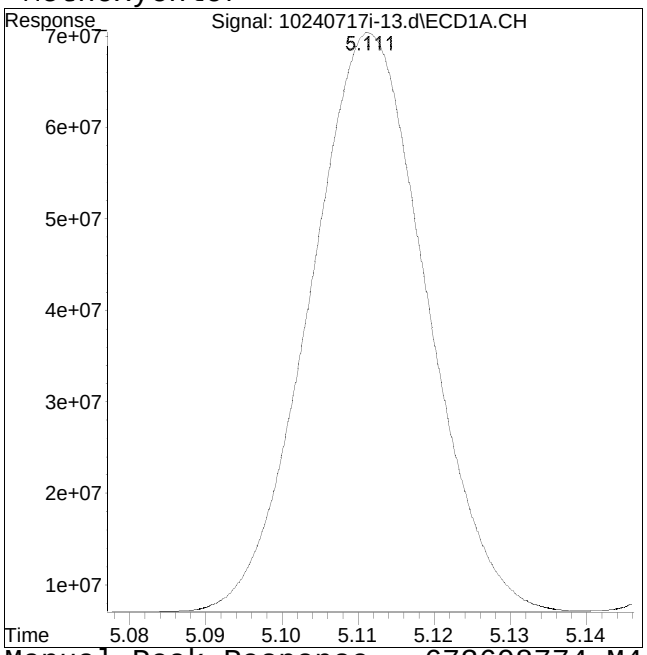
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #23: Methoxychlor



Original Peak Response = 682727536



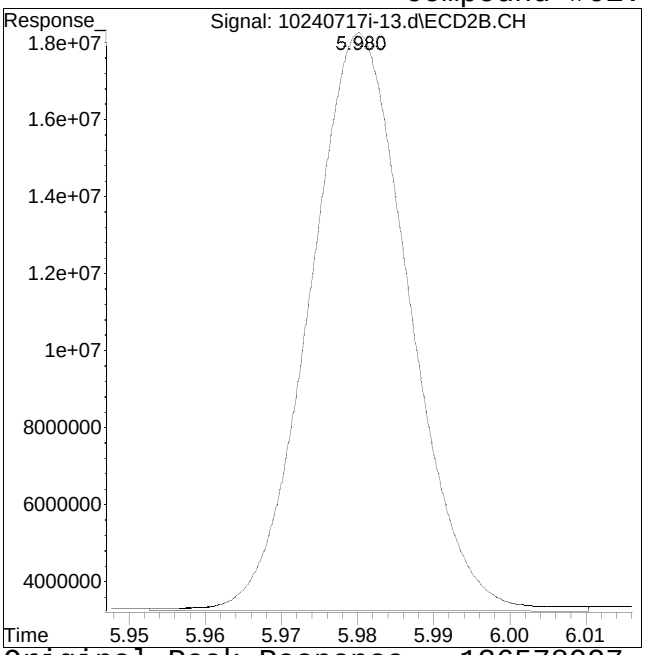
Manual Peak Response = 673608774 M4

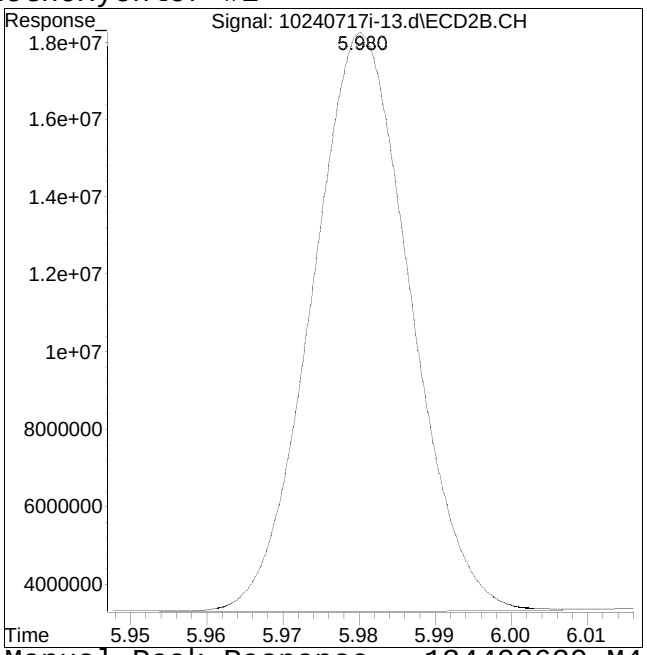
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #61: Methoxychlor #2



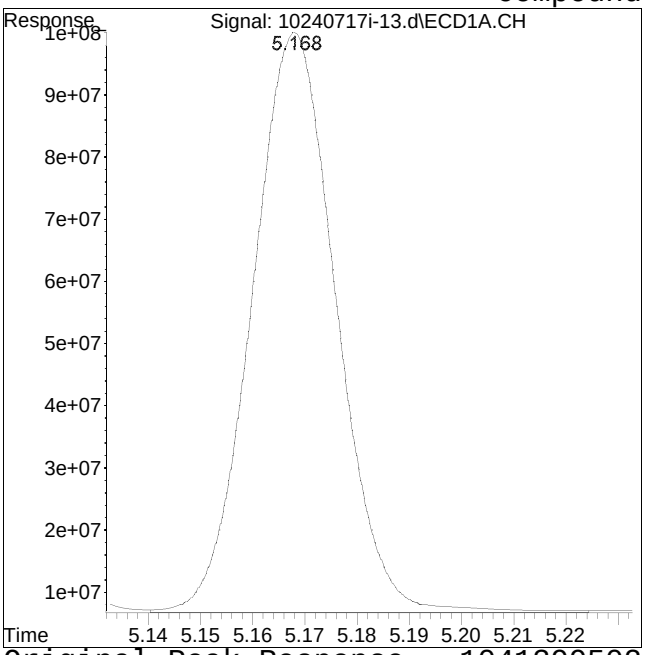


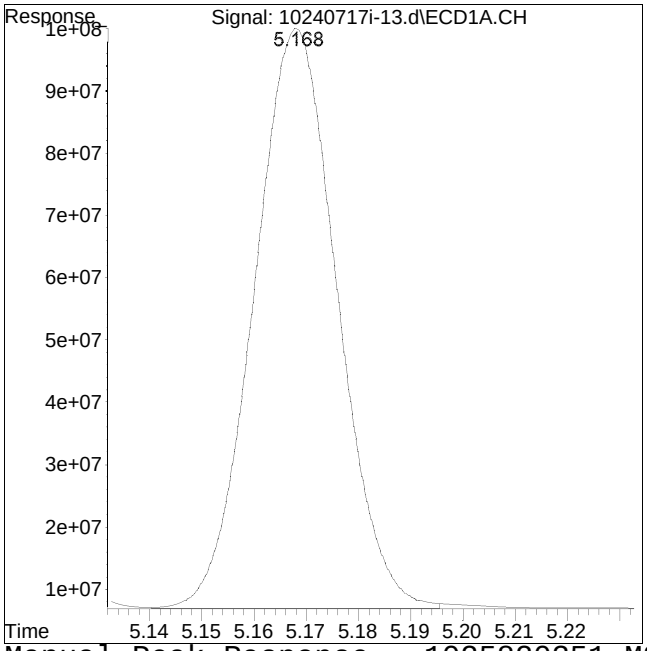
Original Peak Response = 136578927 Manual Peak Response = 134403620 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #24: Mirex



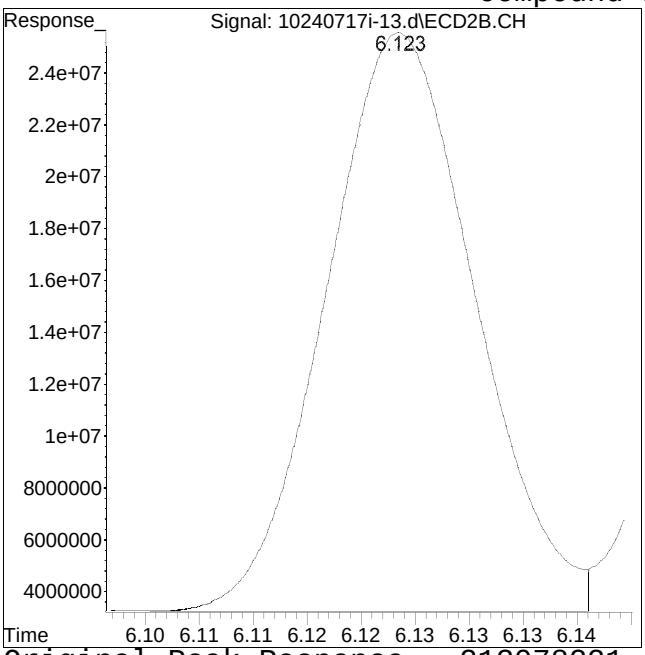


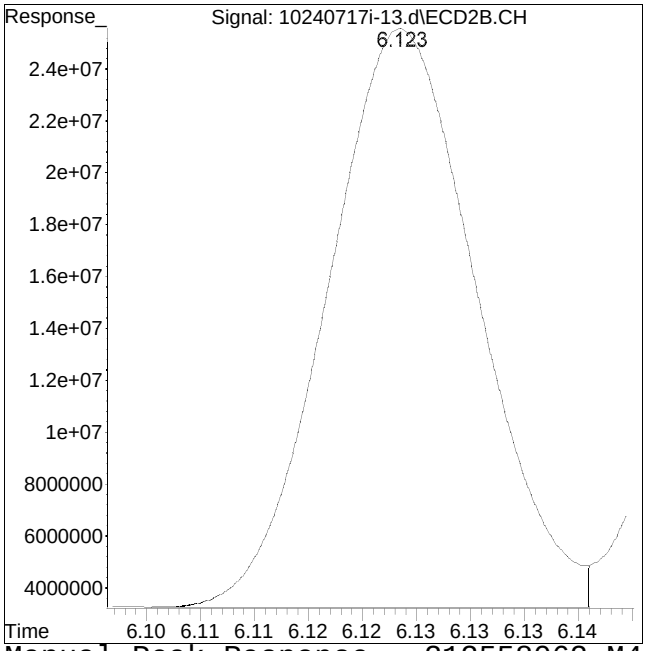
Original Peak Response = 1041399502 Manual Peak Response = 1025820351 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #62: Mirex #2



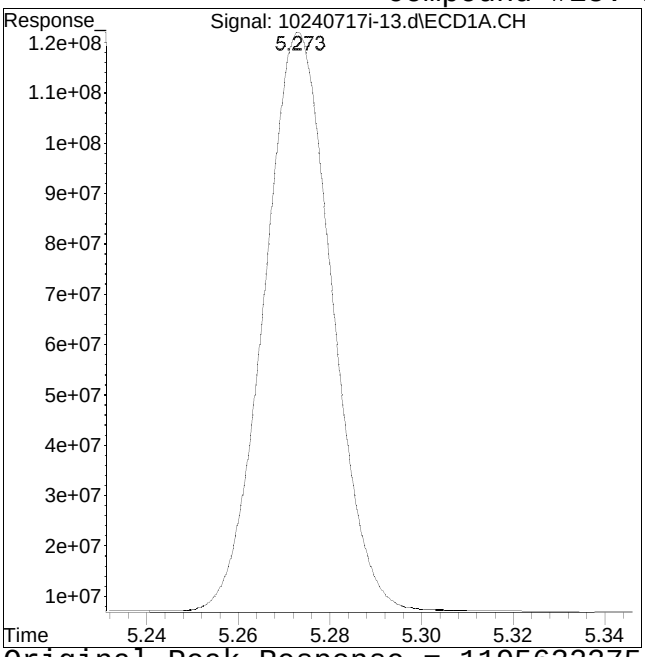


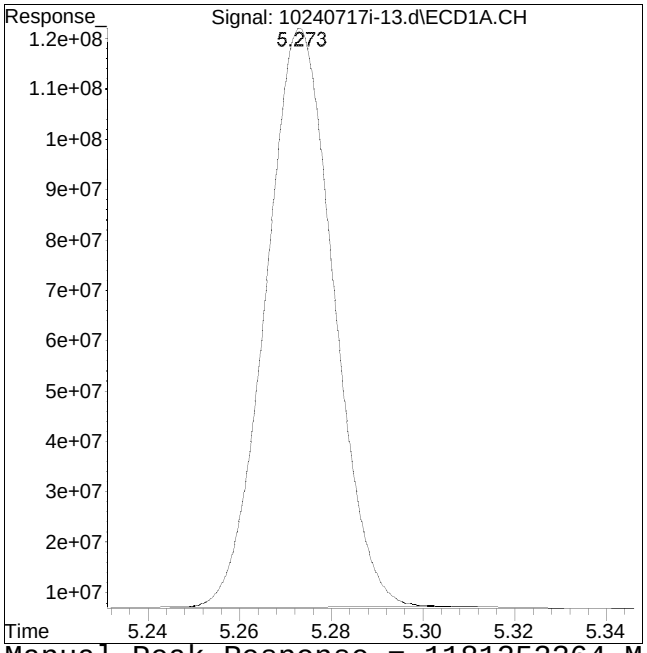
Original Peak Response = 213078221 Manual Peak Response = 212558062 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #25: Endosulfan Sulfate



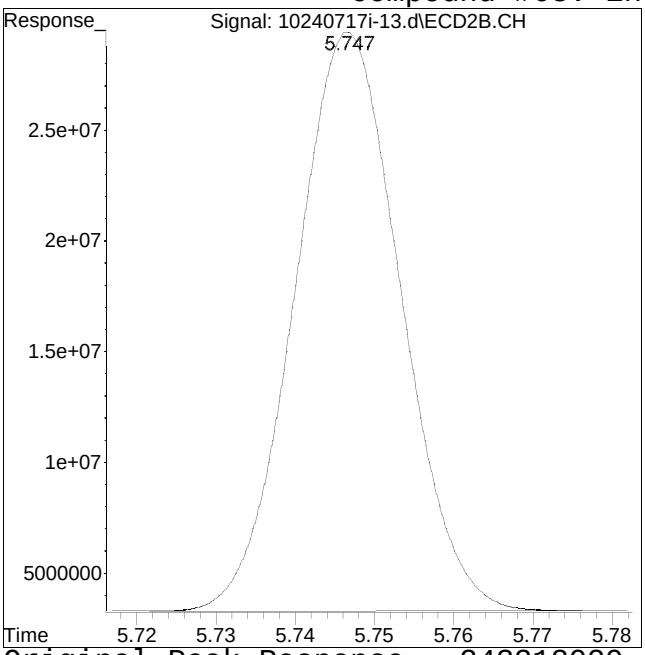


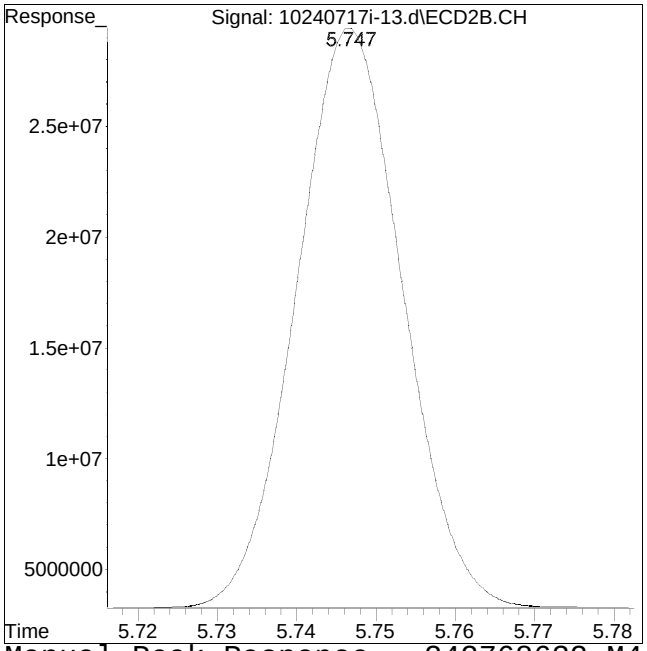
Original Peak Response = 1195632375 Manual Peak Response = 1181252364 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #63: Endosulfan Sulfate #2



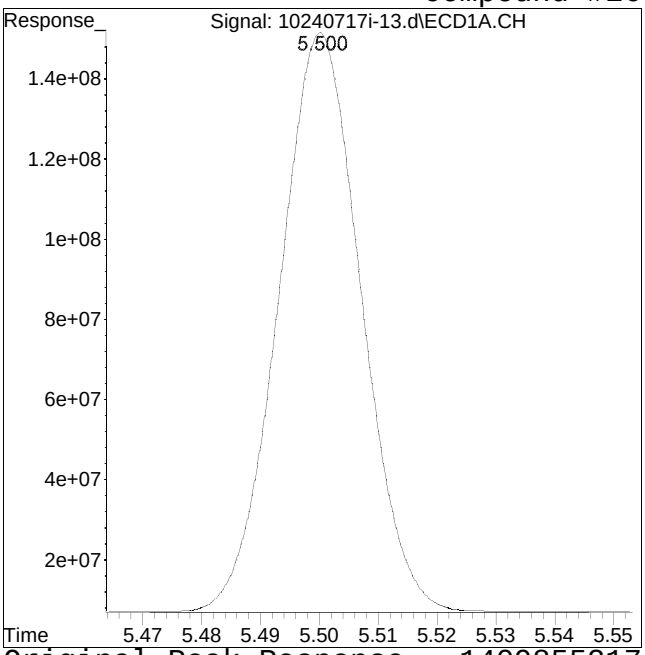


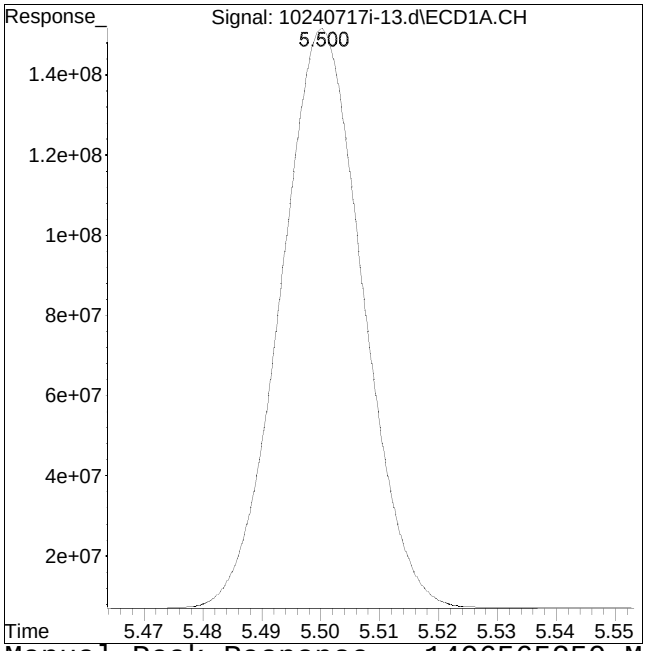
Original Peak Response = 243312929 Manual Peak Response = 242768632 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #26: Endrin Ketone



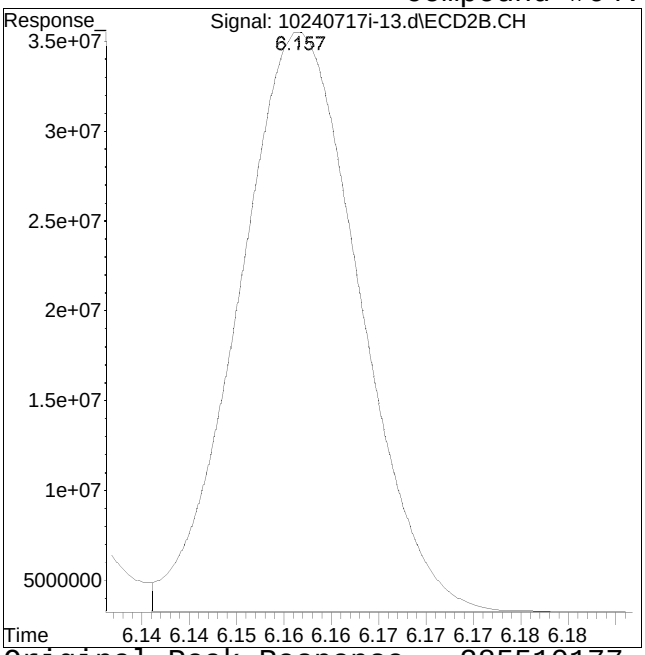


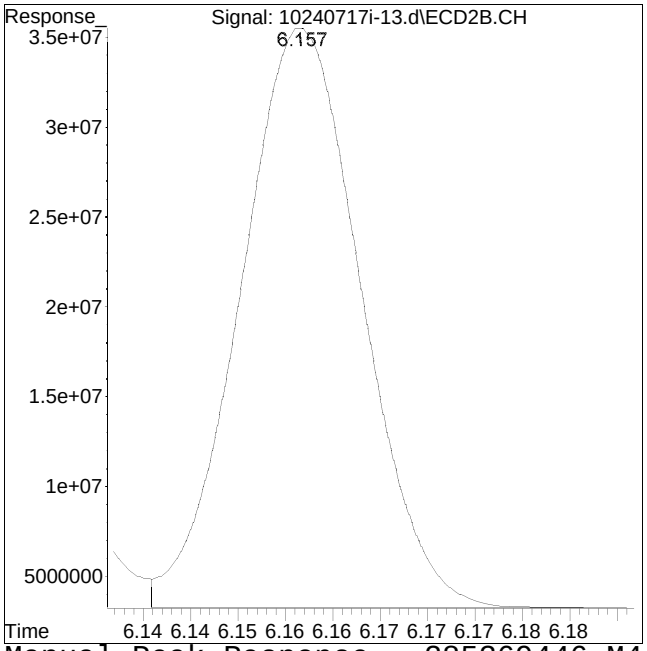
Original Peak Response = 1409855217 Manual Peak Response = 1406565250 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #64: Endrin Ketone #2



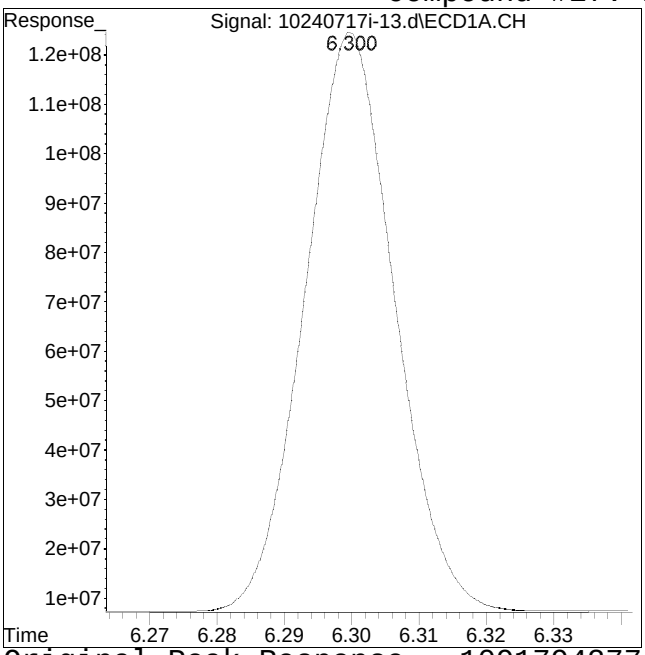


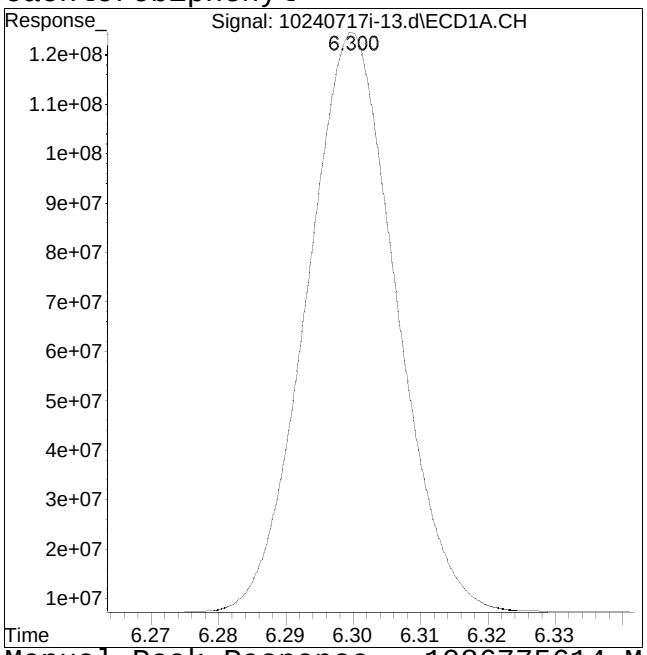
Original Peak Response = 285510177 Manual Peak Response = 285369446 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #27: Decachlorobiphenyl



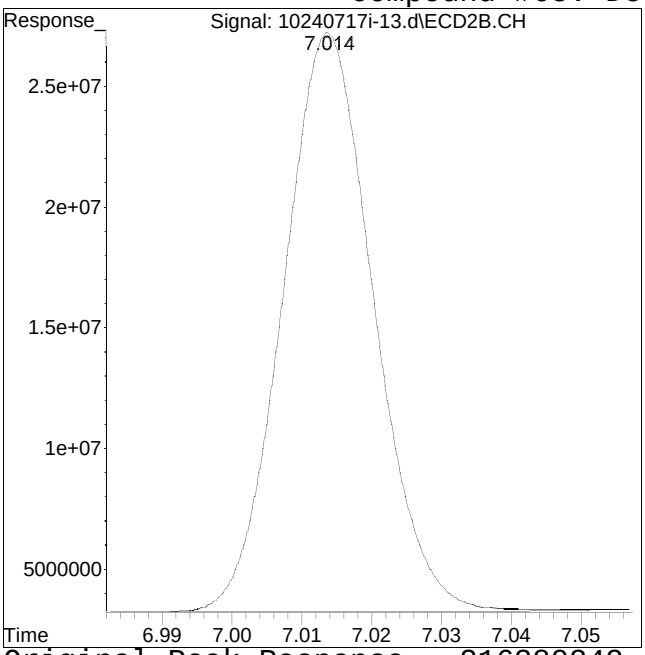


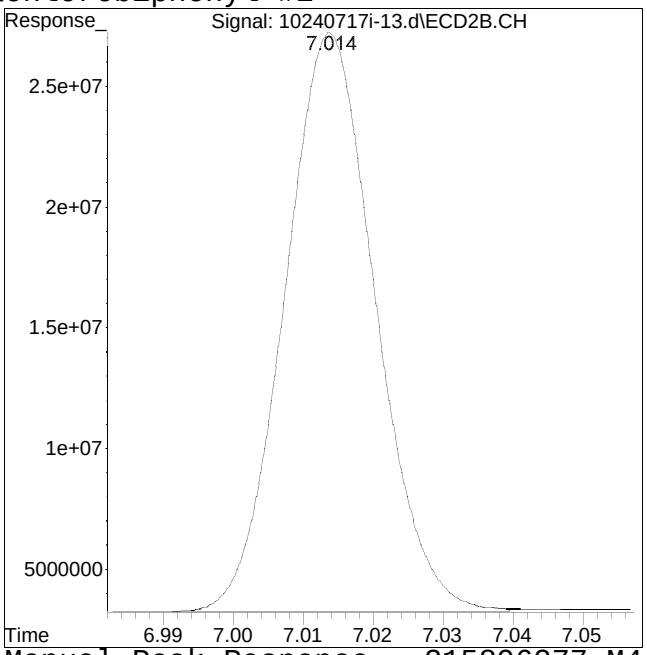
Original Peak Response = 1091794277 Manual Peak Response = 1086775614 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-13.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 1:59 pm Instrument : Pest 10
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/18/2024 11:52 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 216380242 Manual Peak Response = 215896277 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:11 pm
Operator : PEST10:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:17:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:17:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.319	1.435	514.8E6	120.9E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:11 pm
Operator : PEST10:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:17:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:17:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.463	2.919	14660873	2239026	14.475	11.225
30) l1	chlordane-3	2.525	3.538	25582379	3173206	13.271	13.016M3
31) l1	chlordane-4	2.881	4.233	18953986	8651261	15.376	10.914M4
32) l1	chlordane-5	3.437	4.399	51555639	7120048	12.324	11.310
Sum	chlordane-1			110.8E6	21183541	NoCal	NoCal D
Average	chlordane-1					13.861	11.616
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

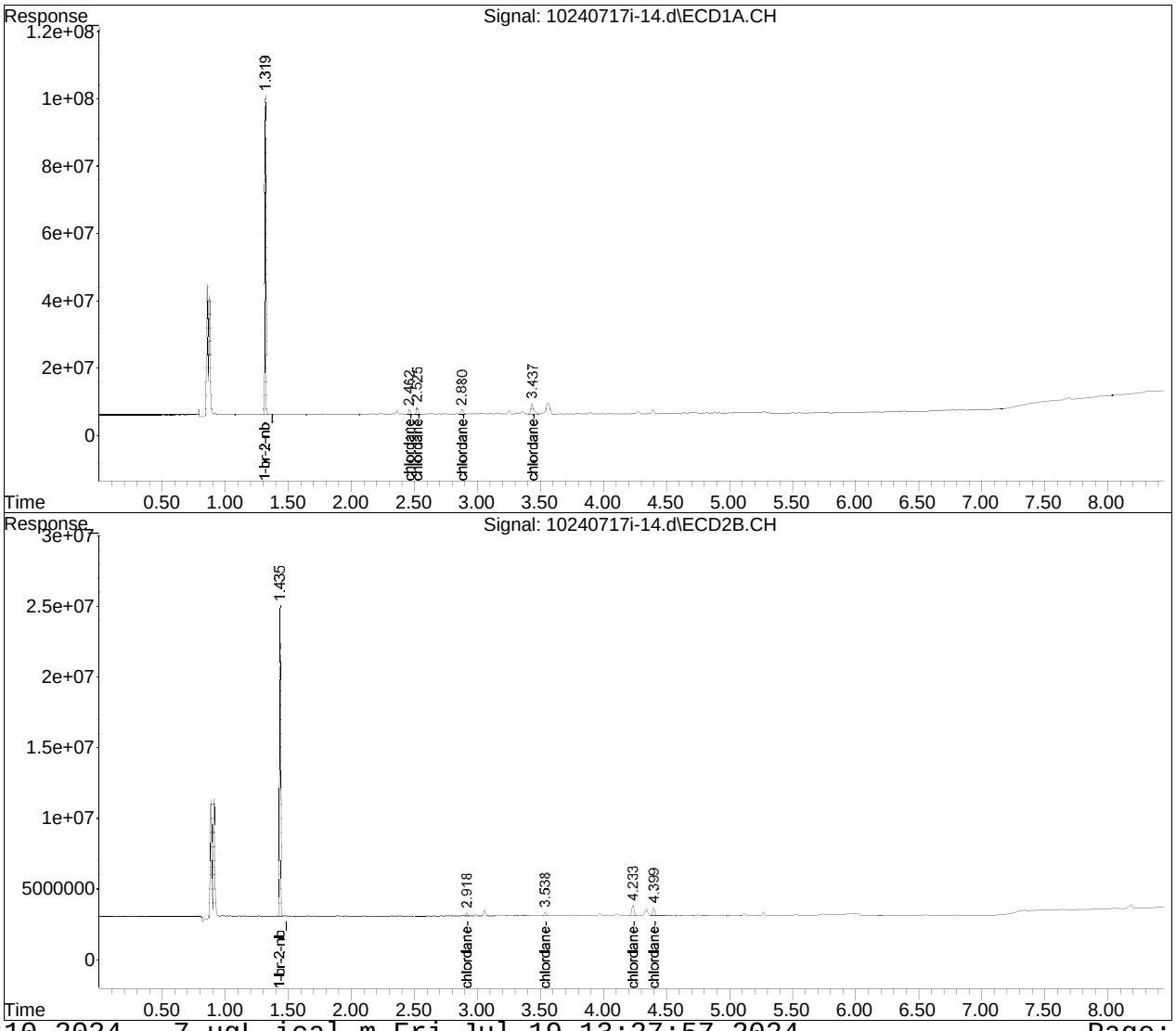
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:11 pm
Operator : PEST10:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:17:22 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:17:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

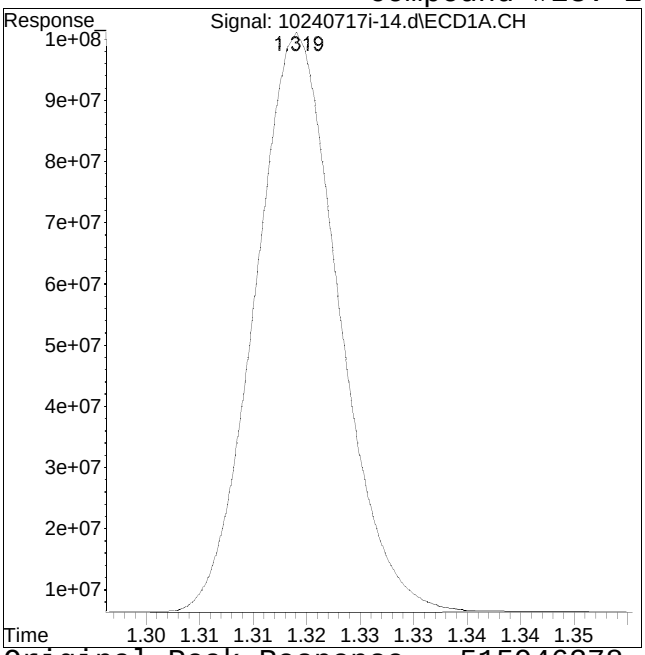
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

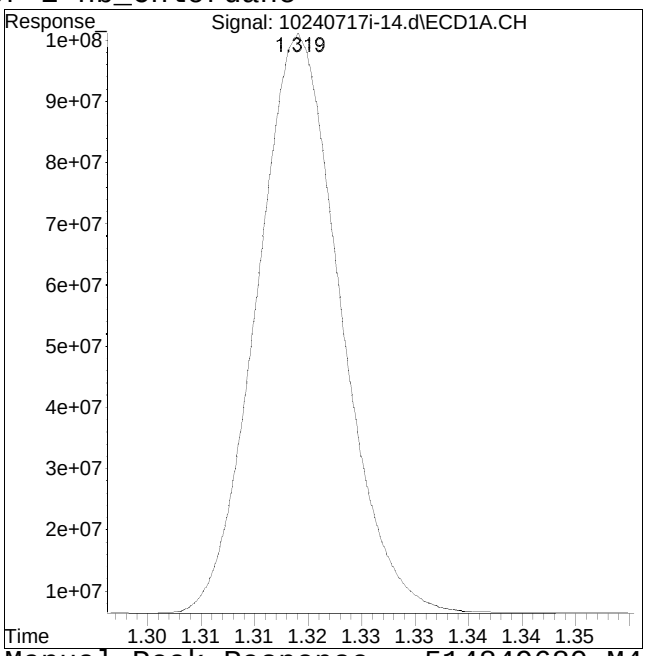


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-14.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:11 pm Instrument : Pest 10
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/18/2024 11:17 am

Compound #28: 1-br-2-nb_Chlordane



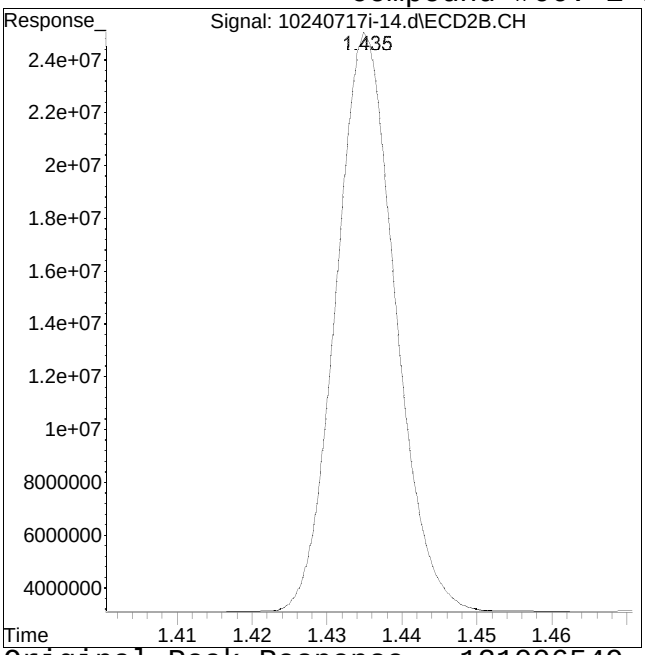


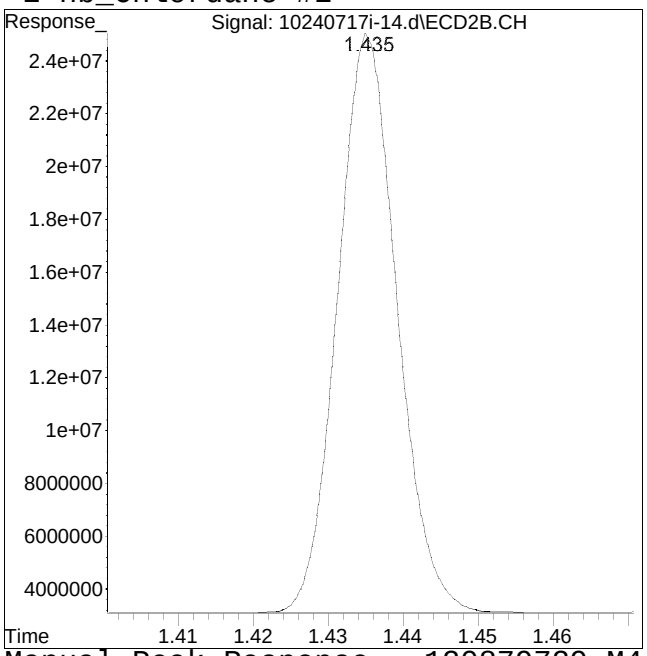
Original Peak Response = 515946378 Manual Peak Response = 514849680 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-14.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:11 pm Instrument : Pest 10
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/18/2024 11:17 am

Compound #66: 1-br-2-nb_Chlordane #2



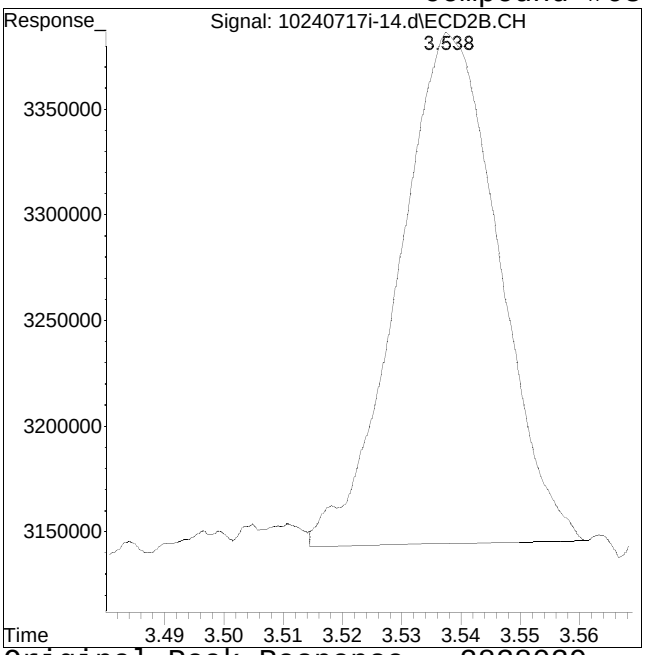


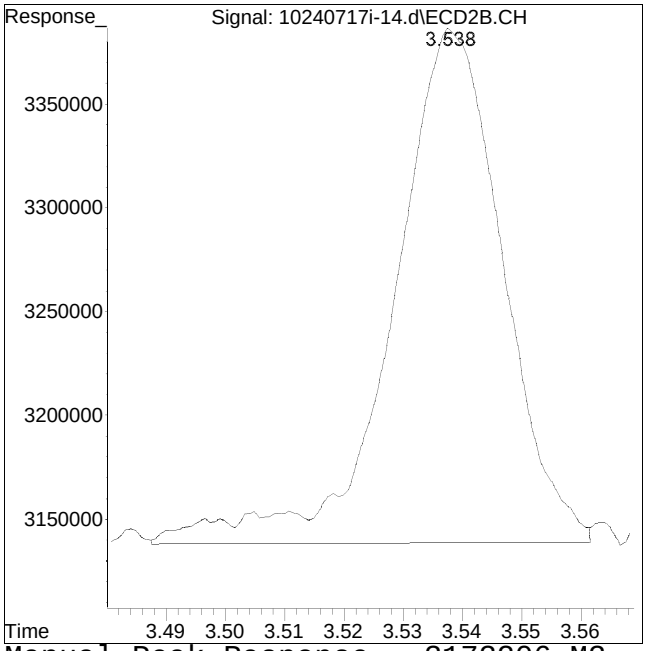
Original Peak Response = 121006549 Manual Peak Response = 120879729 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-14.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:11 pm Instrument : Pest 10
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/18/2024 11:17 am

Compound #68: chlordane-3 #2



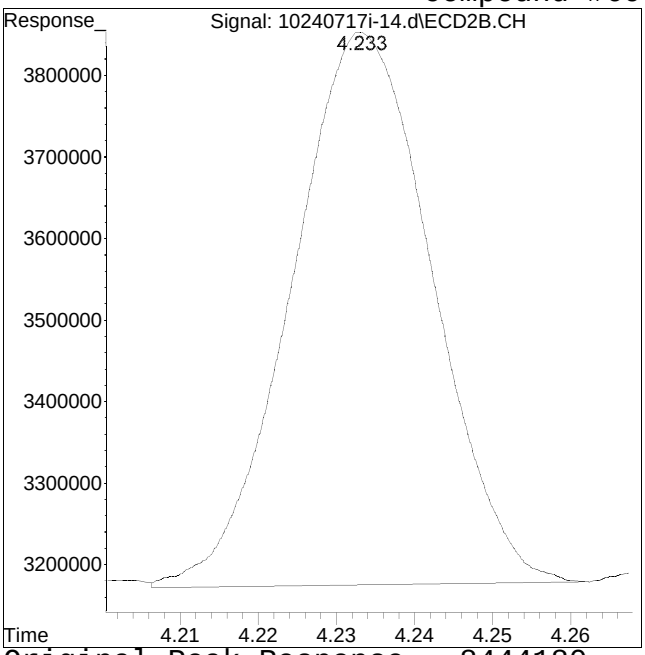


Original Peak Response = 2838039 Manual Peak Response = 3173206 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

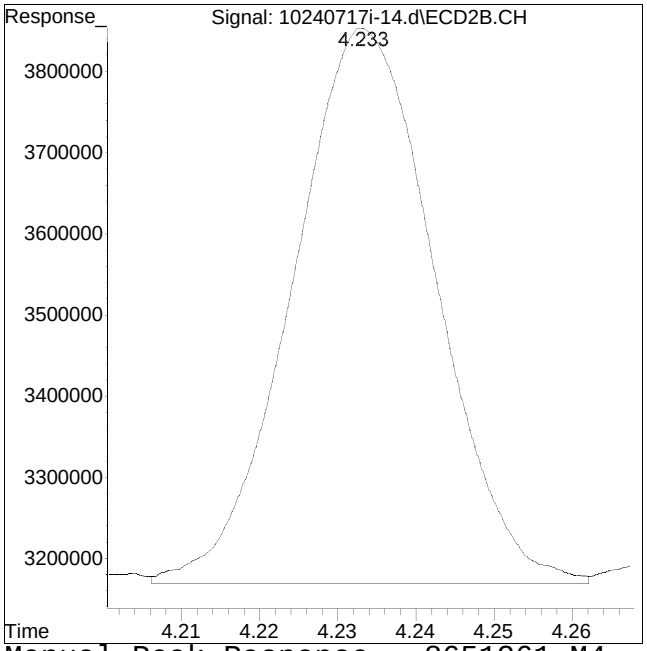
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-14.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:11 pm Instrument : Pest 10
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/18/2024 11:17 am

Compound #69: chlordane-4 #2



Original Peak Response = 8444180



Manual Peak Response = 8651261 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:22 pm
Operator : PEST10:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:11:55 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.318	1.435	516.3E6	120.5E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:22 pm
Operator : PEST10:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:11:55 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.461	2.918	24365446	4316003	25.922	22.158
30) l1	chlordane-3	2.523	3.538	44024918	5510942	24.088M3	23.876M3
31) l1	chlordane-4	2.879	4.233	31177730	15520382	27.704	19.944
32) l1	chlordane-5	3.435	4.399	90386327	12897078	22.413	21.008
Sum	chlordane-1			190.0E6	38244406	NoCal	NoCal D
Average	chlordane-1					25.032	21.746
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

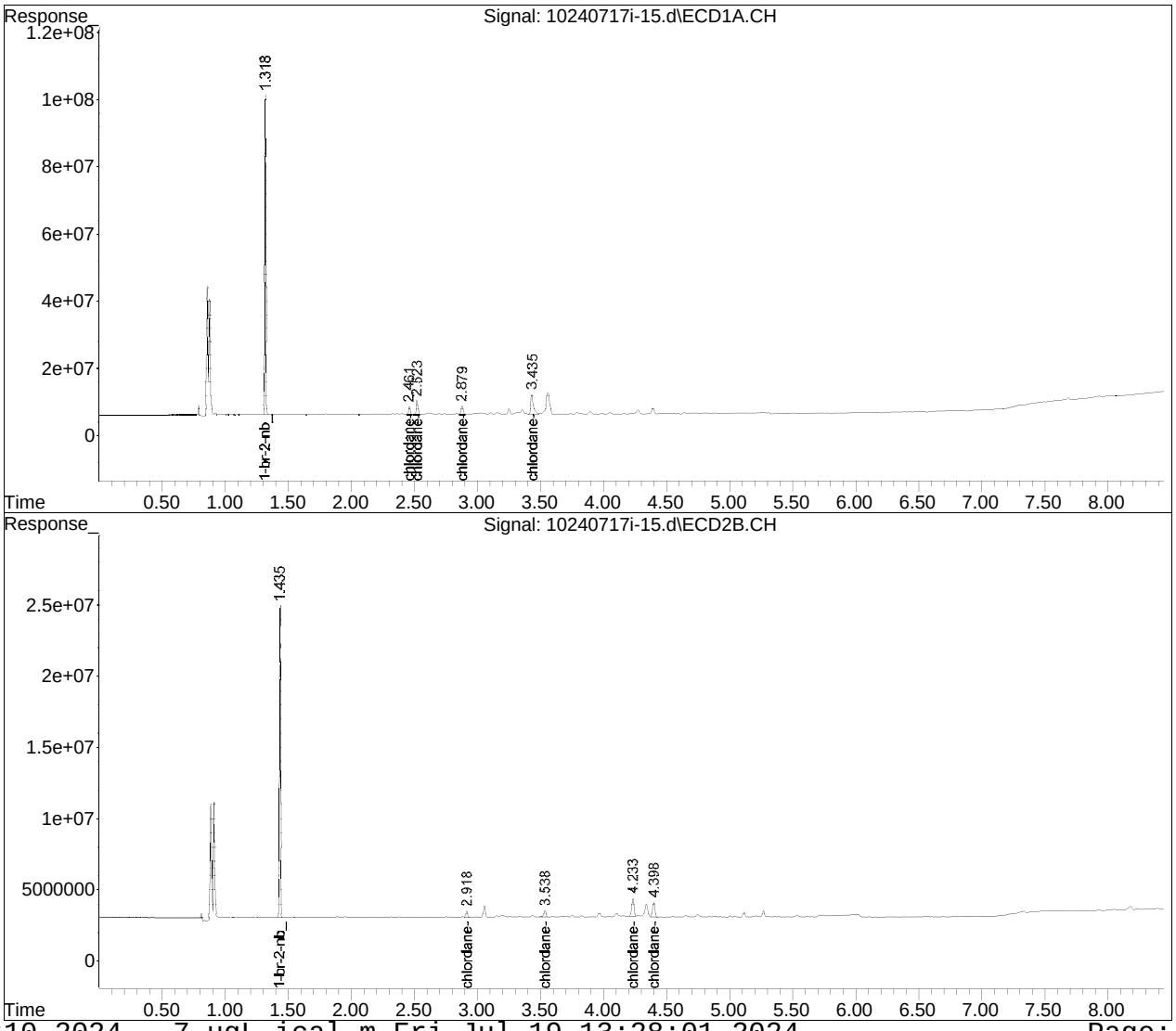
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:22 pm
Operator : PEST10:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:11:55 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

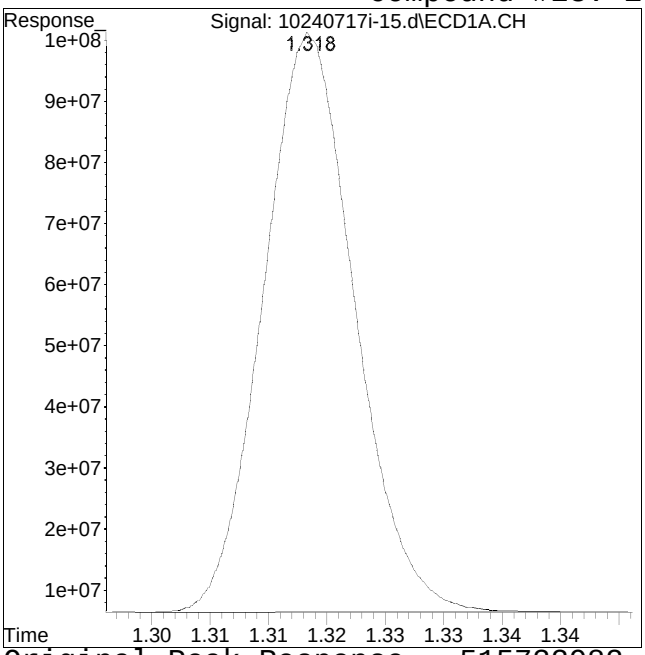
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

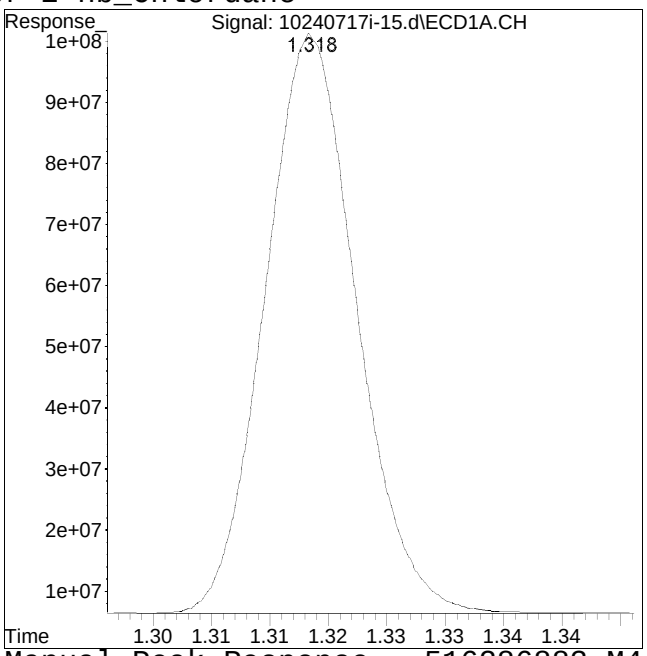


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-15.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:22 pm Instrument : Pest 10
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/18/2024 11:11 am

Compound #28: 1-br-2-nb_Chlordane



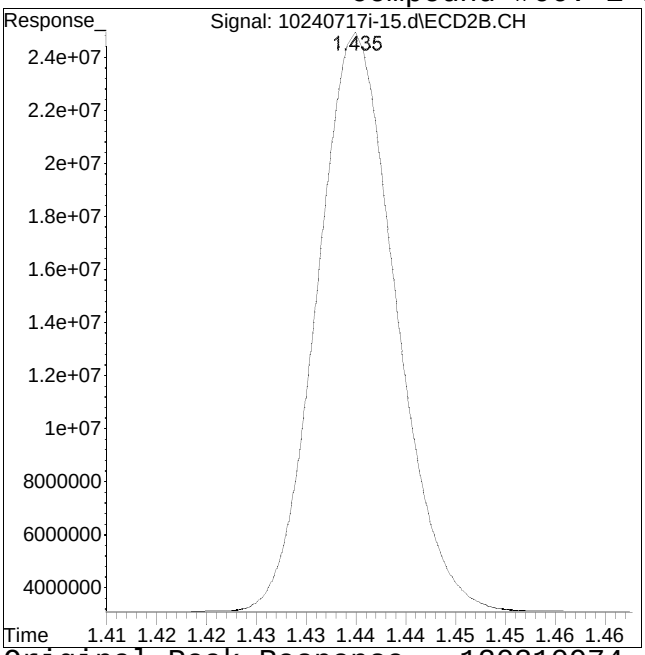


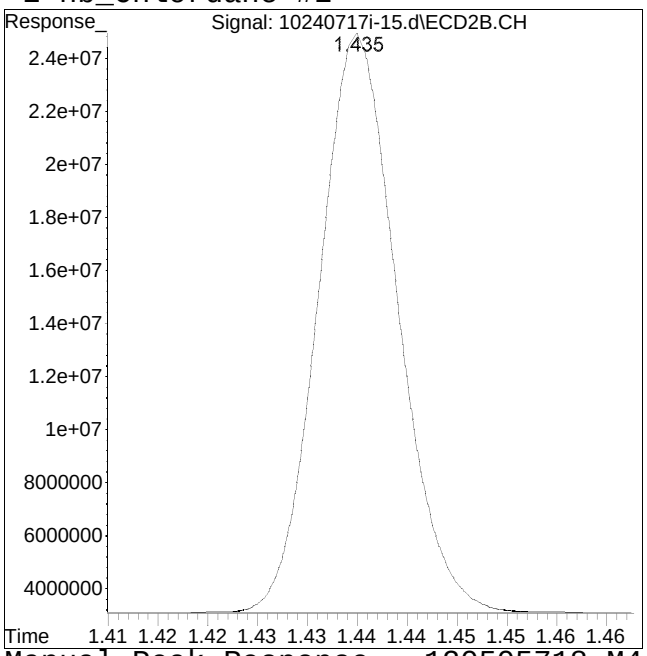
Original Peak Response = 515732982 Manual Peak Response = 516286883 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-15.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:22 pm Instrument : Pest 10
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/18/2024 11:11 am

Compound #66: 1-br-2-nb_Chlordane #2



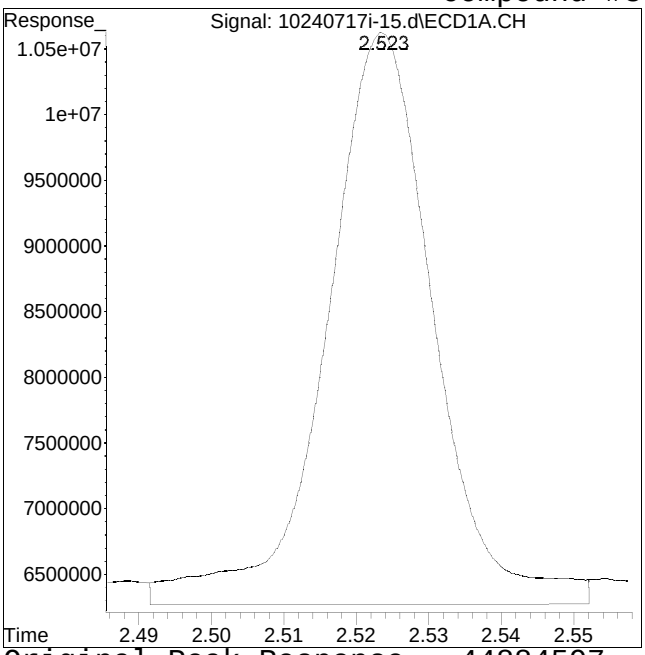


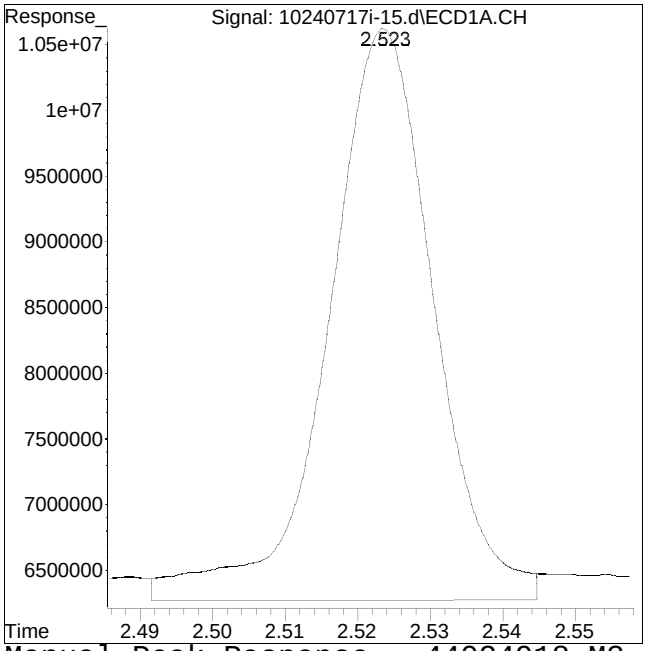
Original Peak Response = 120310974 Manual Peak Response = 120505718 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-15.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:22 pm Instrument : Pest 10
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/18/2024 11:11 am

Compound #30: chlordane-3



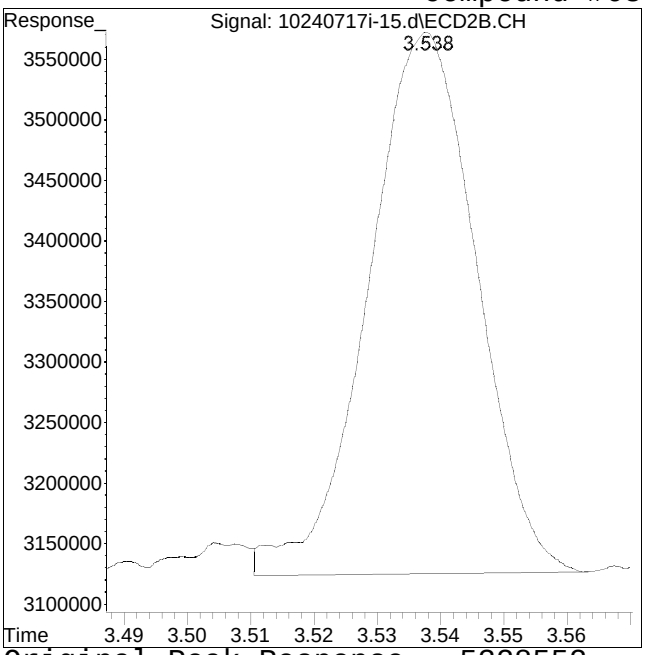


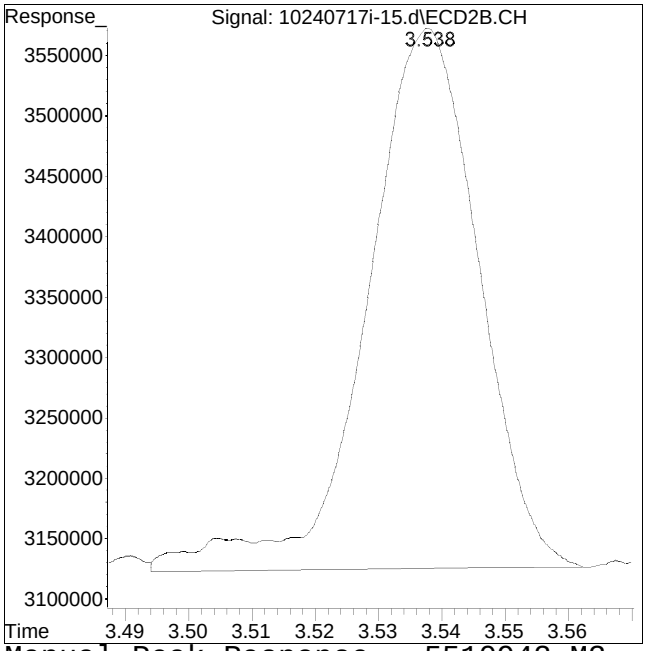
Original Peak Response = 44884597 Manual Peak Response = 44024918 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-15.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:22 pm Instrument : Pest 10
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/18/2024 11:11 am

Compound #68: chlordane-3 #2





Original Peak Response = 5328552 Manual Peak Response = 5510942 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:33 pm
Operator : PEST10:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:08:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:08:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.319	1.435	559.0E6	125.2E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:33 pm
Operator : PEST10:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:08:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:08:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.461	2.919	95921461	20569783	100.193	103.909
30) l1	chlordane-3	2.523	3.538	186.8E6	25989807	98.434M3	112.773
31) l1	chlordane-4	2.879	4.234	122.4E6	80303954	108.816	99.289
32) l1	chlordane-5	3.435	4.399	403.0E6	62782566	94.578	99.458
Sum	chlordane-1			808.1E6	189.6E6	NoCal	NoCal D
Average	chlordane-1					100.505	103.857
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

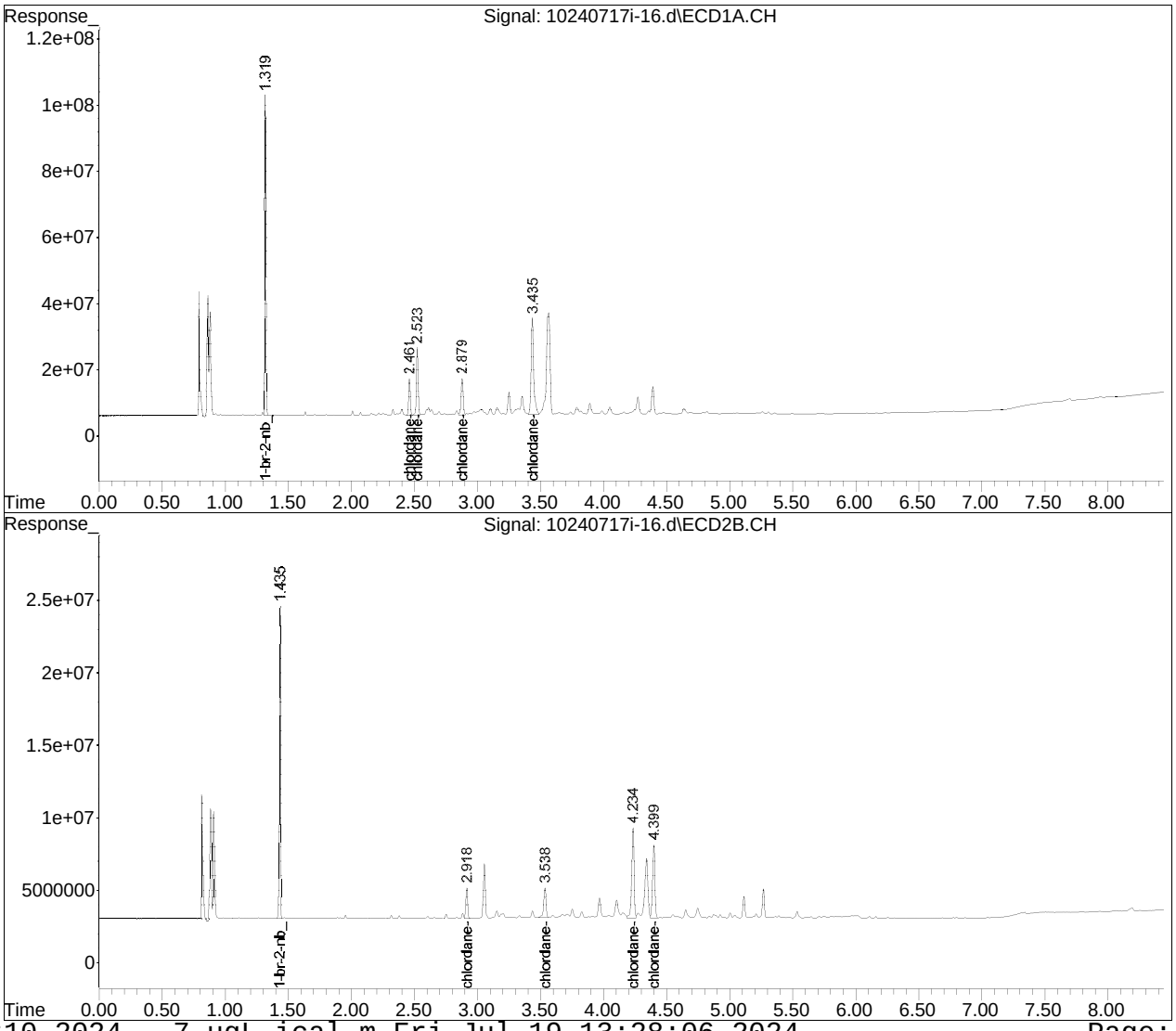
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:33 pm
Operator : PEST10:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:08:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:08:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

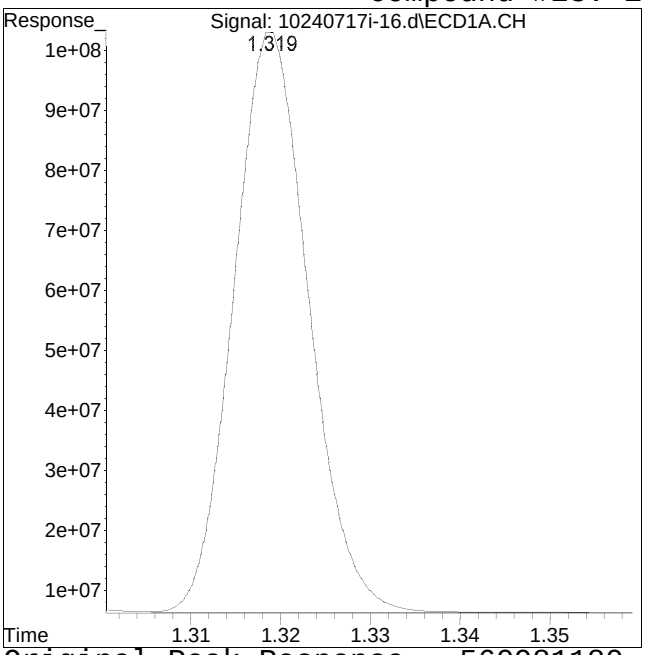
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



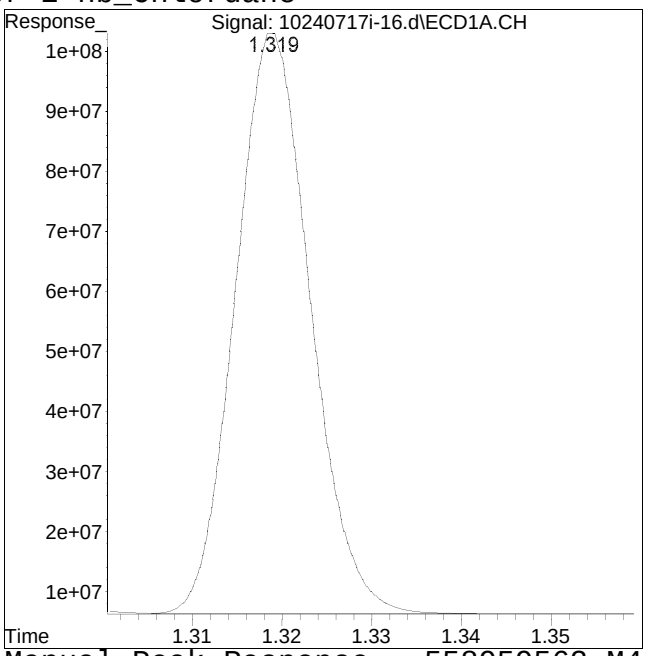
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-16.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:33 pm Instrument : Pest 10
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/18/2024 11:08 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 560981180



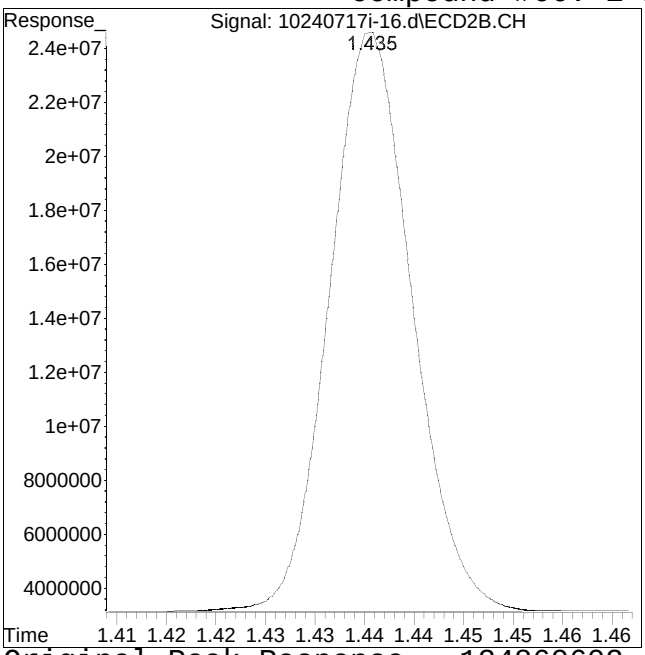
Manual Peak Response = 558959562 M4

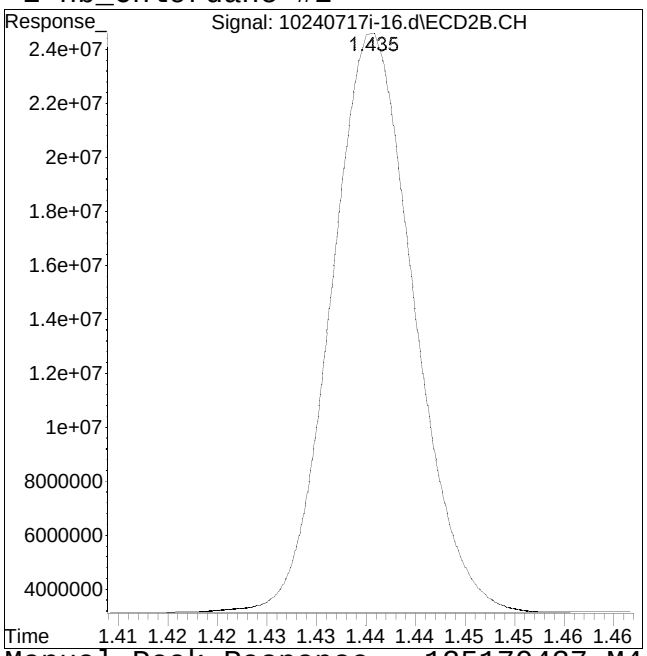
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-16.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:33 pm Instrument : Pest 10
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/18/2024 11:08 am

Compound #66: 1-br-2-nb_Chlordane #2



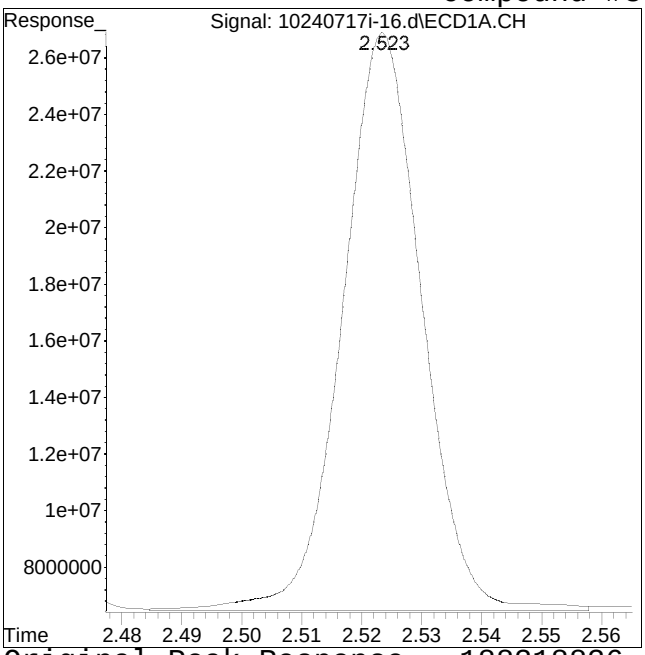


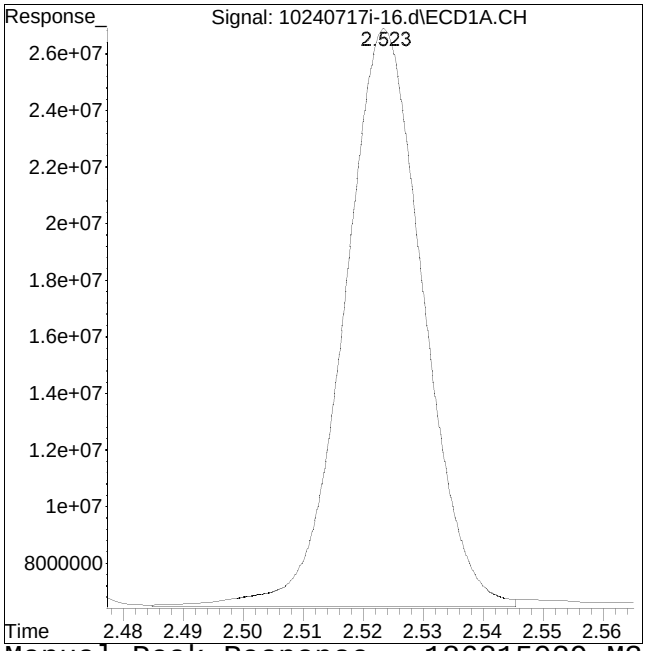
Original Peak Response = 124860602 Manual Peak Response = 125170437 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-16.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:33 pm Instrument : Pest 10
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/18/2024 11:08 am

Compound #30: chlordane-3





Original Peak Response = 188318836 Manual Peak Response = 186815029 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:43 pm
Operator : PEST10:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:06:12 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:06:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.318	1.435	517.4E6	124.1E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:43 pm
Operator : PEST10:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:06:12 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:06:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.461	2.918	462.2E6	99488114	521.799	512.010
30) l1	chlordane-3	2.523	3.538	931.3E6	121.5E6	528.035M3	549.431
31) l1	chlordane-4	2.878	4.233	559.5E6	409.7E6	549.598	510.105
32) l1	chlordane-5	3.435	4.399	2062.9E6	319.2E6	516.076	509.411
Sum	chlordane-1			4015.8E6	949.9E6	NoCal	NoCal D
Average	chlordane-1					528.877	520.239
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

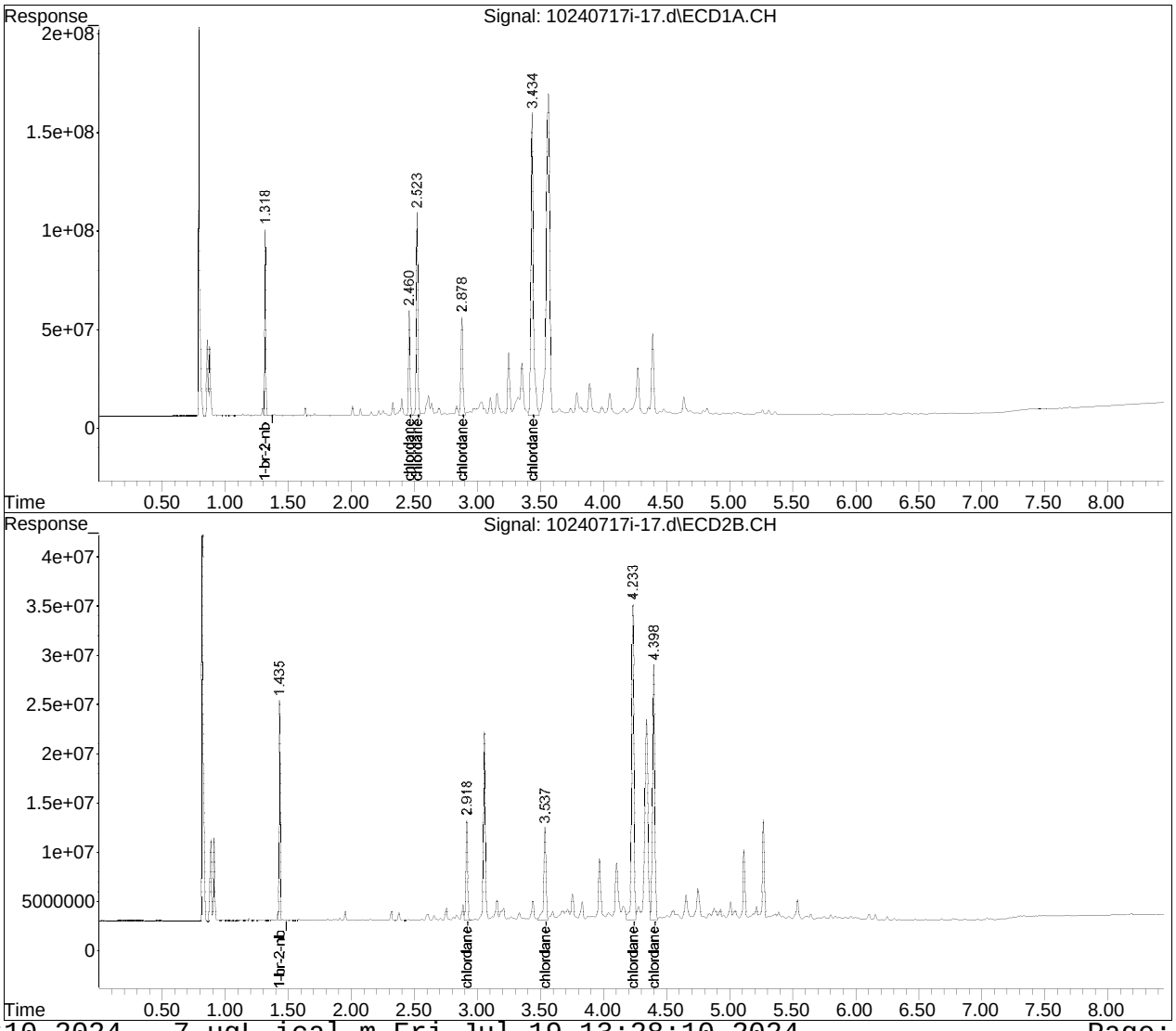
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:43 pm
Operator : PEST10:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:06:12 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:06:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

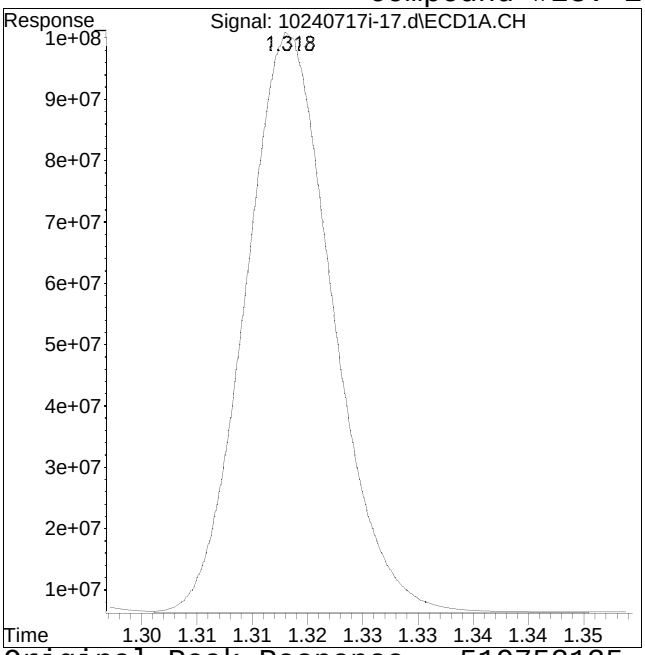
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

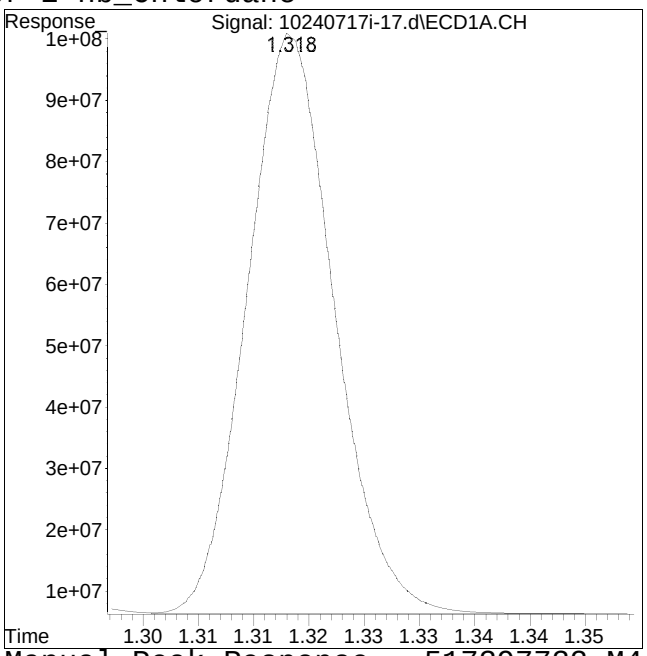


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-17.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:43 pm Instrument : Pest 10
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 7/18/2024 11:06 am

Compound #28: 1-br-2-nb_Chlordane



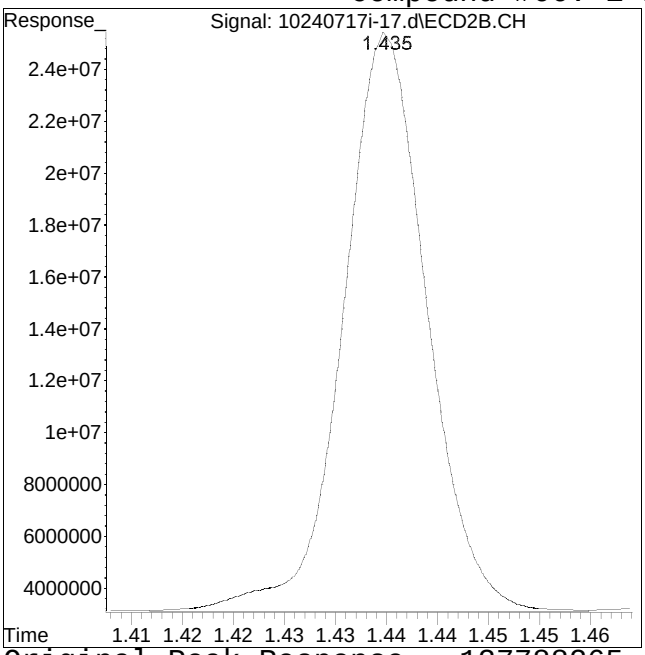


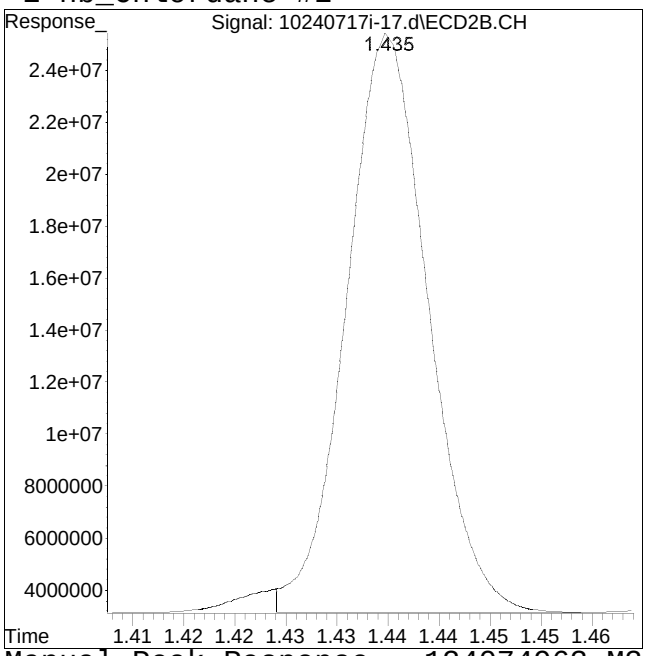
Original Peak Response = 519752135 Manual Peak Response = 517397732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-17.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:43 pm Instrument : Pest 10
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 7/18/2024 11:06 am

Compound #66: 1-br-2-nb_Chlordane #2



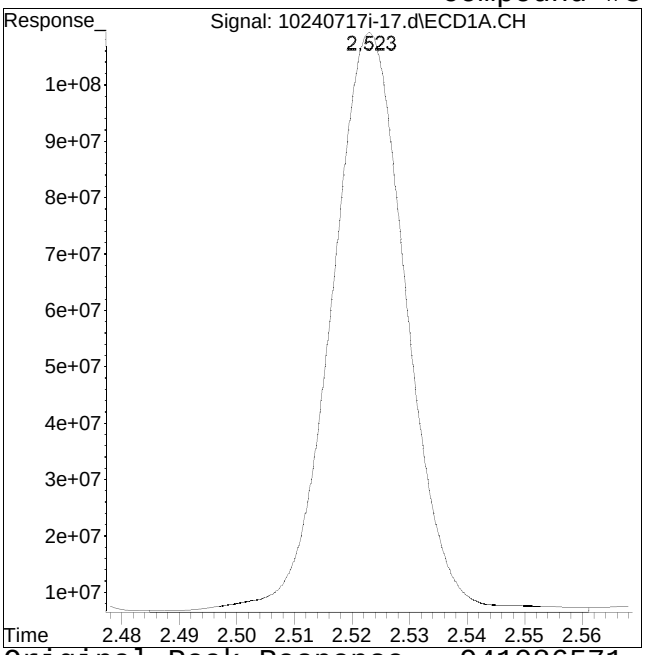


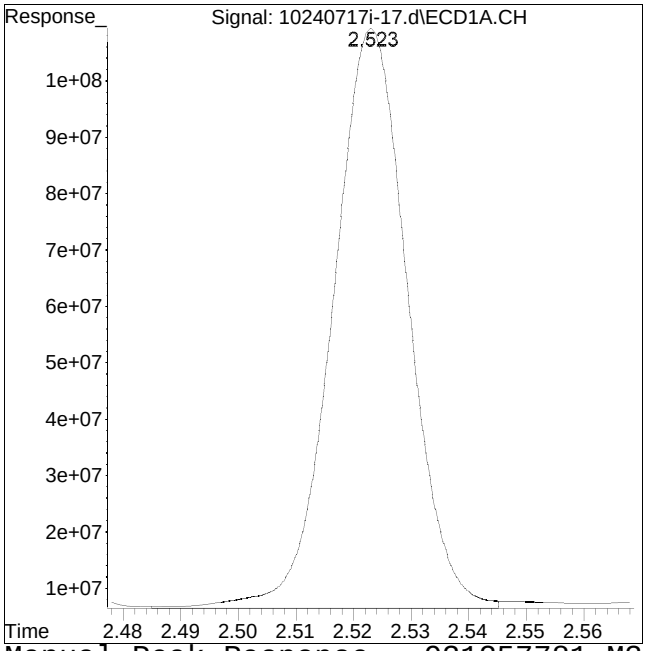
Original Peak Response = 127788265 Manual Peak Response = 124074963 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-17.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:43 pm Instrument : Pest 10
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 7/18/2024 11:06 am

Compound #30: chlordane-3





Original Peak Response = 941086571 Manual Peak Response = 931257781 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:54 pm
Operator : PEST10:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:02:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.318	1.435	558.0E6	127.4E6	25.000M2	25.000M2
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:54 pm
Operator : PEST10:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:02:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.461	2.918	917.2E6	199.6E6	974.354M2	1008.479M2
30) l1	chlordane-3	2.523	3.537	1874.6E6	219.8E6	1001.299M2	1001.052M2
31) l1	chlordane-4	2.878	4.233	1030.3E6	813.3E6	970.555M2	993.198M4
32) l1	chlordane-5	3.435	4.399	4211.9E6	637.0E6	987.579M2	996.571M2
Sum	chlordane-1			8034.0E6	1869.7E6	NoCal	NoCal D
Average	chlordane-1					983.447	999.825
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

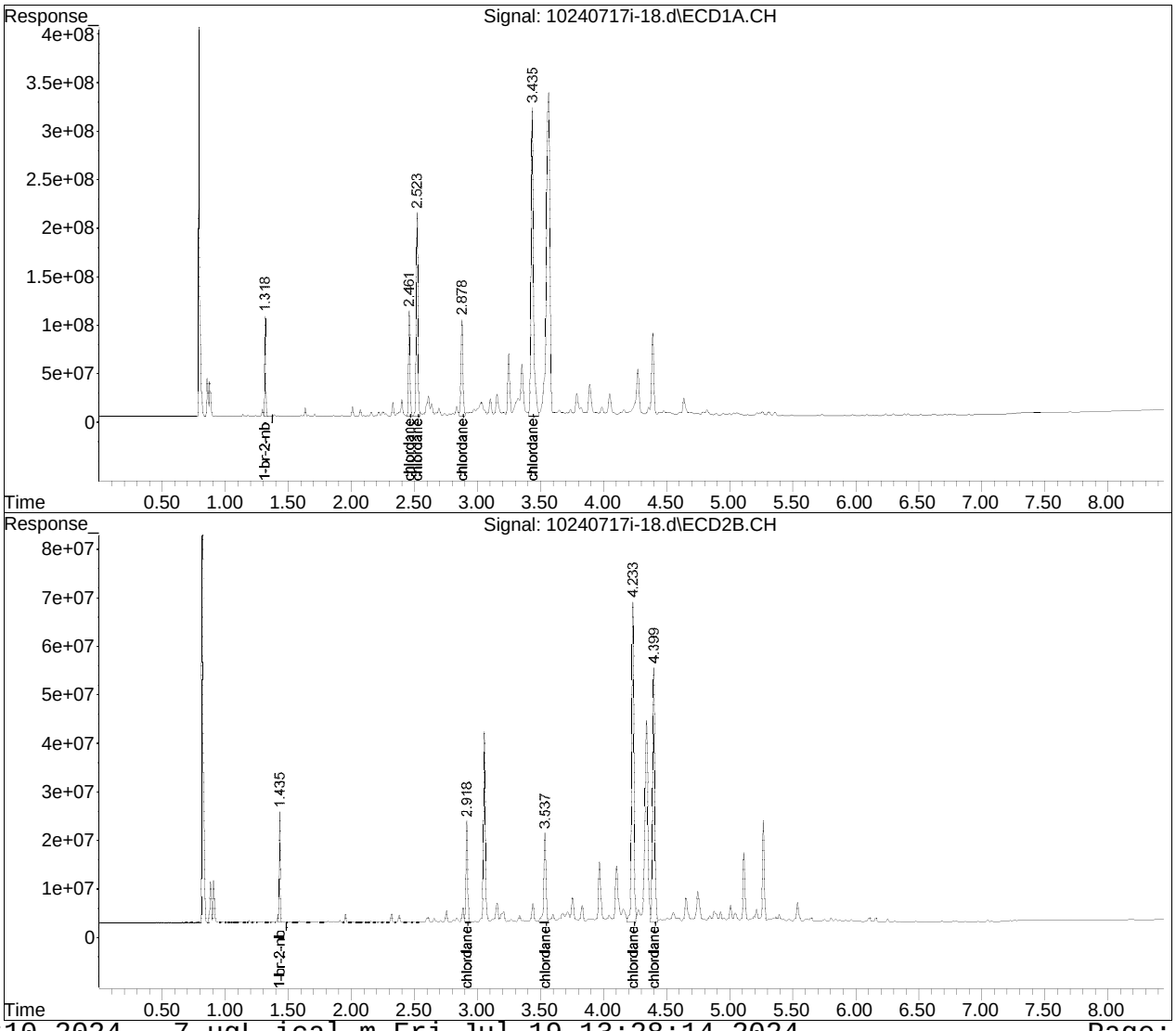
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 2:54 pm
Operator : PEST10:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:59 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:02:52 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

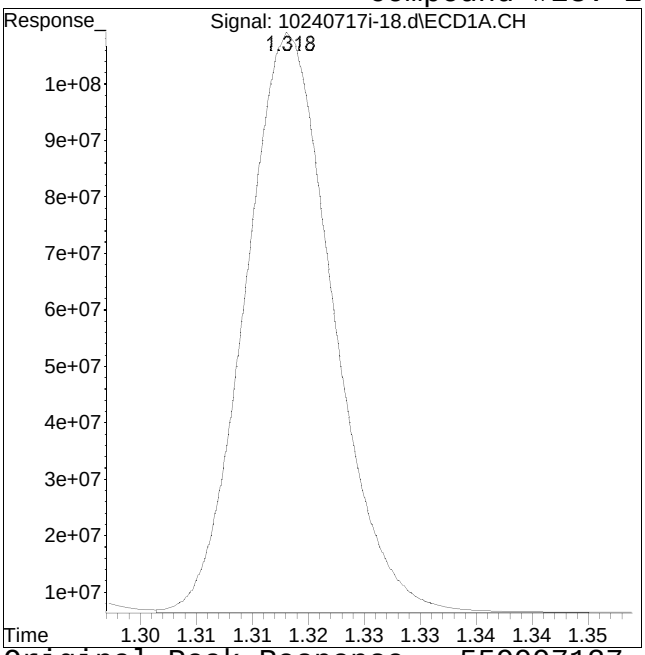
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

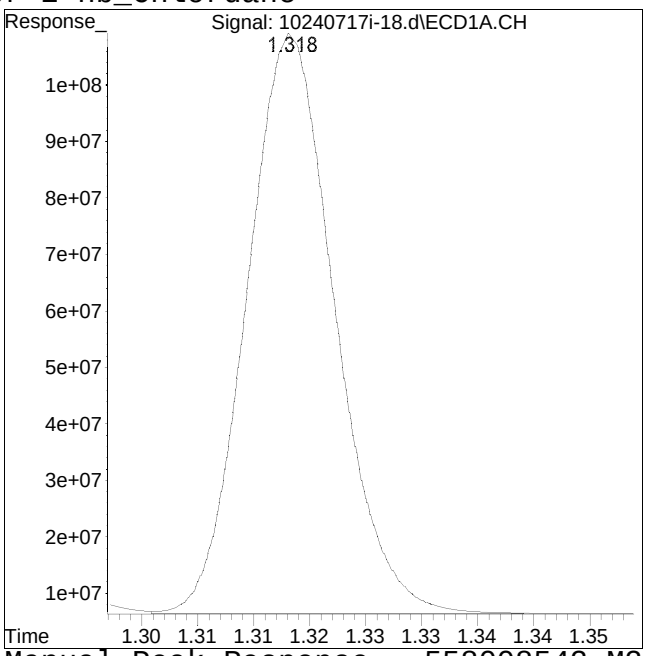


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #28: 1-br-2-nb_Chlordane



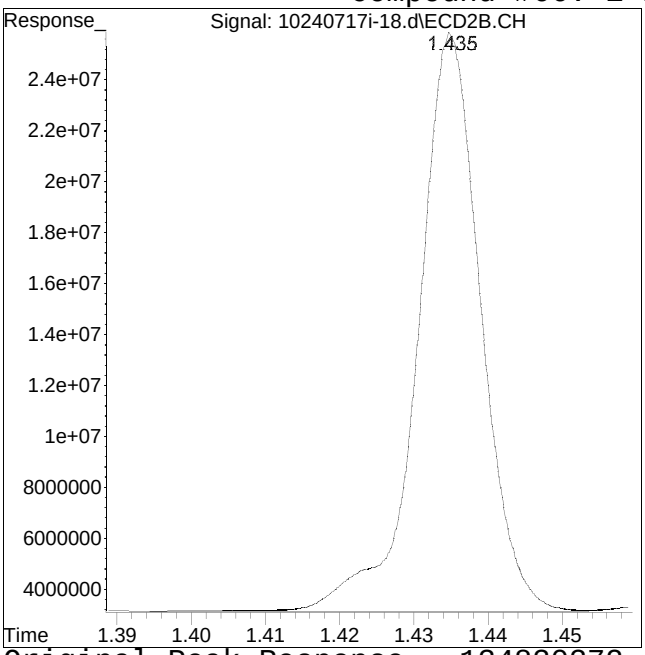


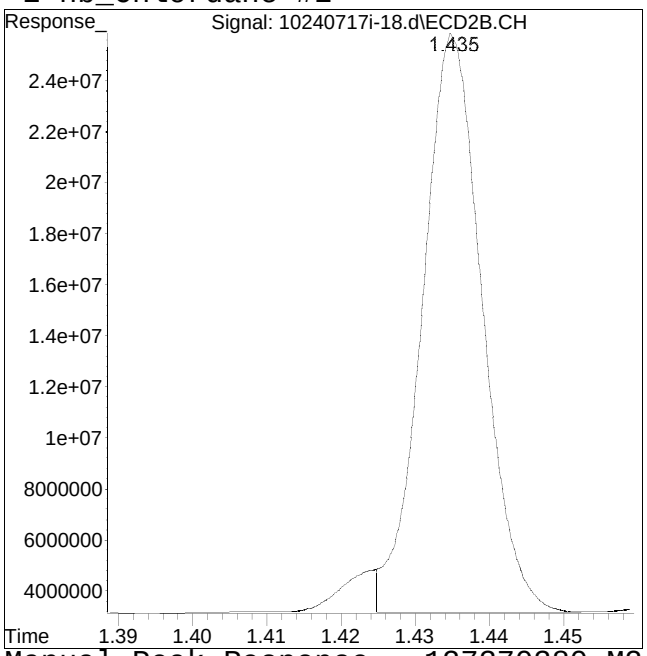
Original Peak Response = 559997127 Manual Peak Response = 558008542 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #66: 1-br-2-nb_Chlordane #2



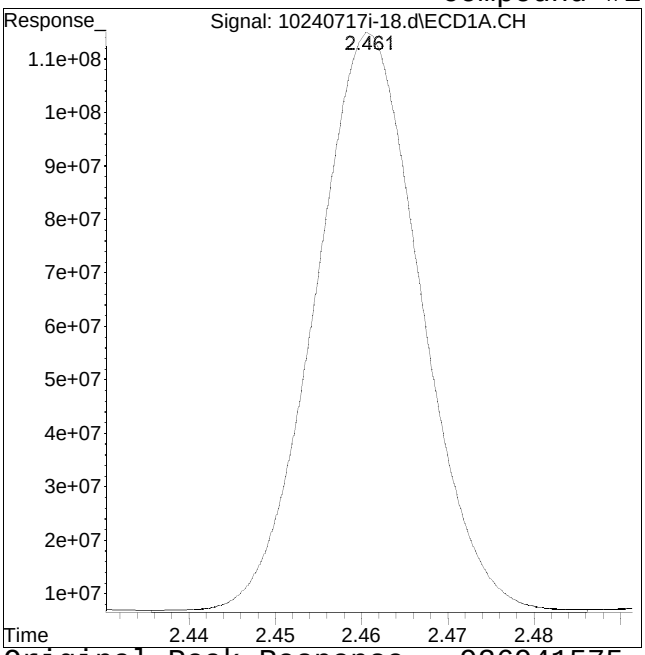


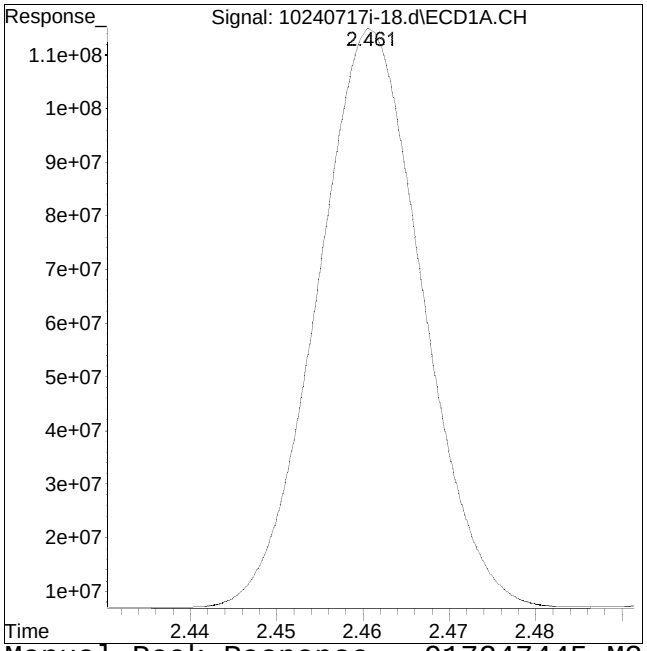
Original Peak Response = 134830372 Manual Peak Response = 127370380 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #29: chlordane-1



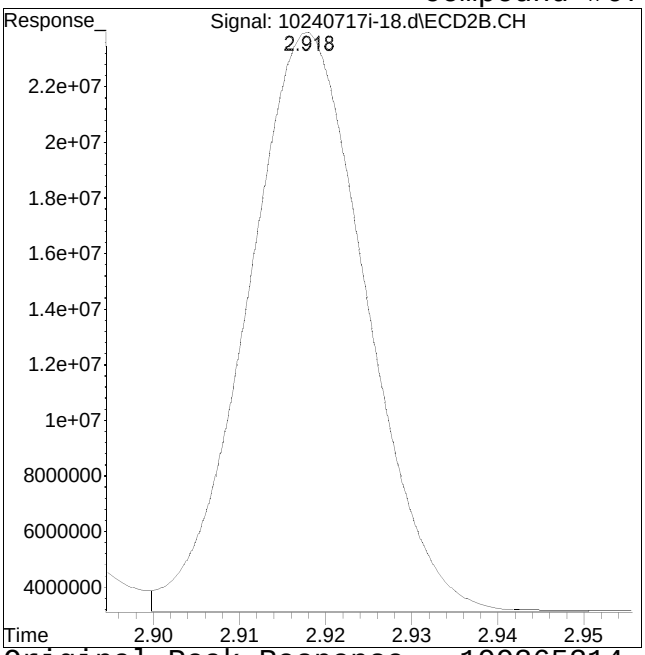


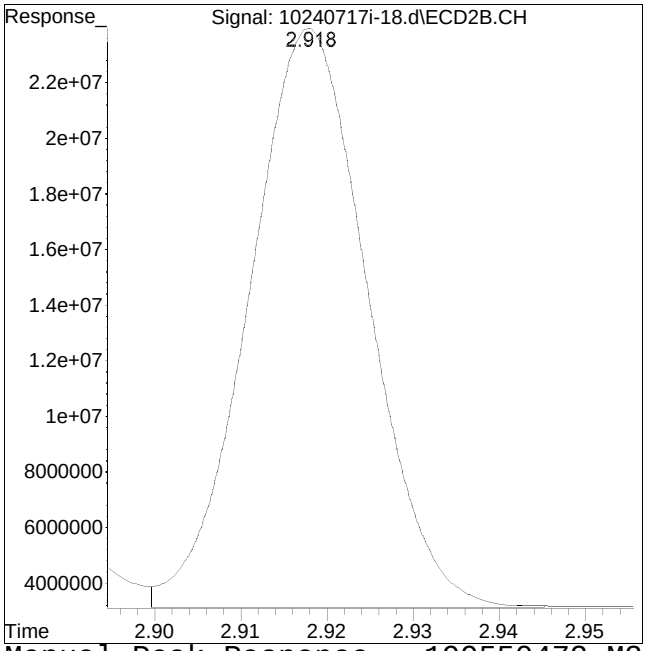
Original Peak Response = 926941575 Manual Peak Response = 917247445 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #67: chlordane-1 #2



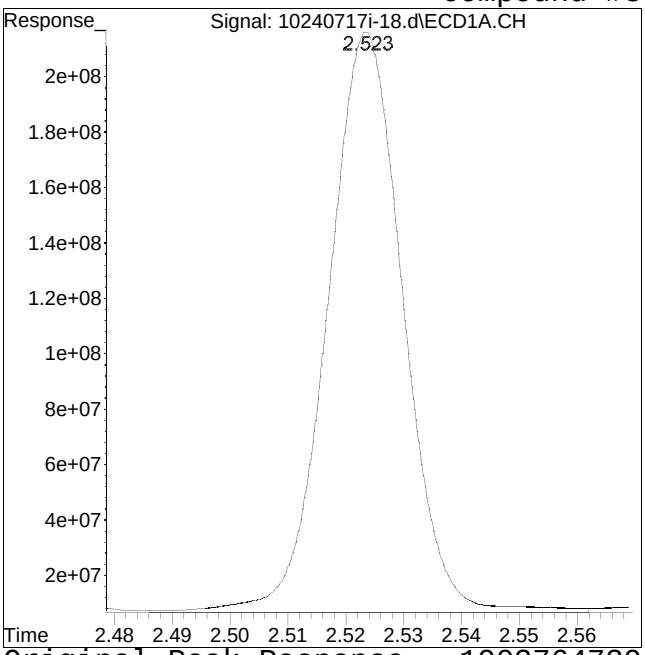


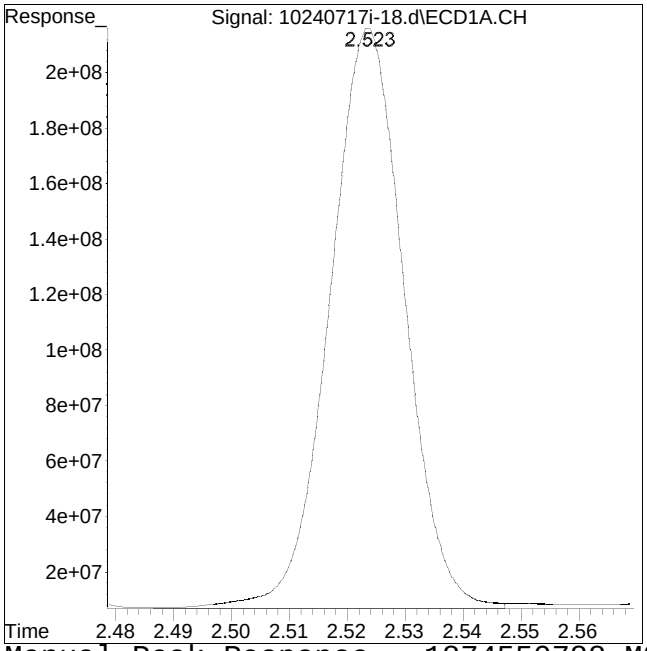
Original Peak Response = 199365314 Manual Peak Response = 199550472 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #30: chlordane-3



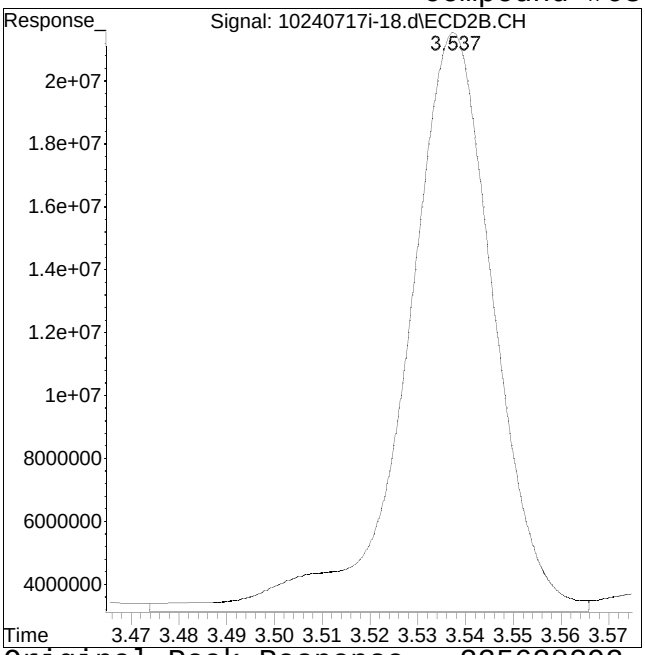


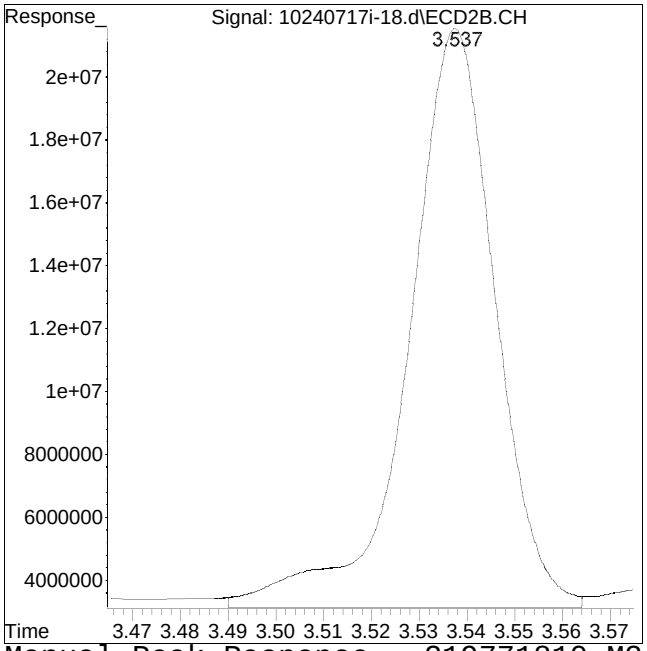
Original Peak Response = 1903764739 Manual Peak Response = 1874550788 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #68: chlordane-3 #2



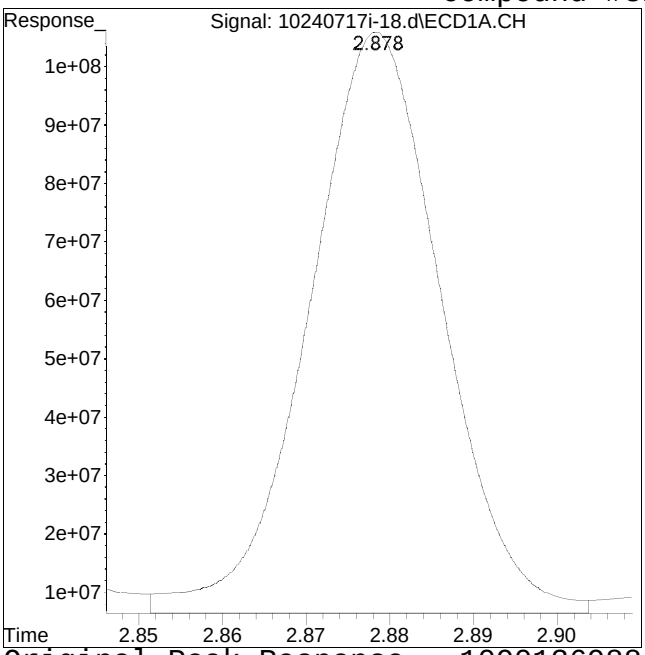


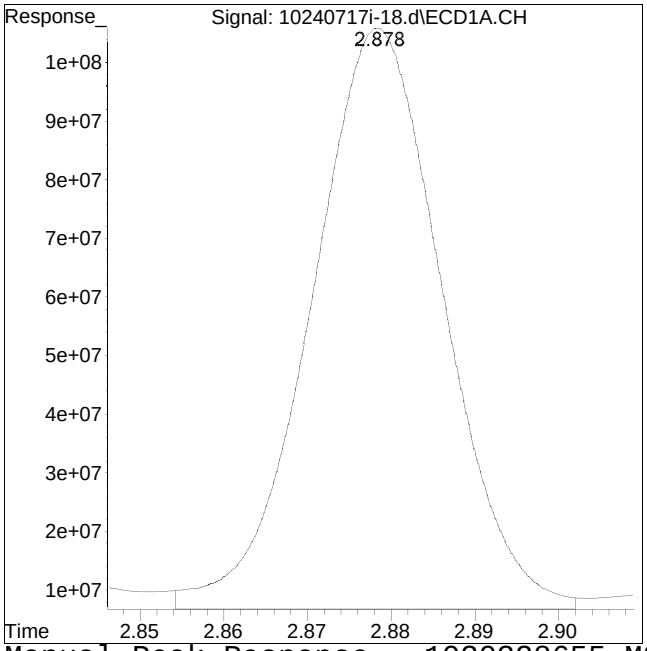
Original Peak Response = 235638292 Manual Peak Response = 219771810 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #31: chlordane-4



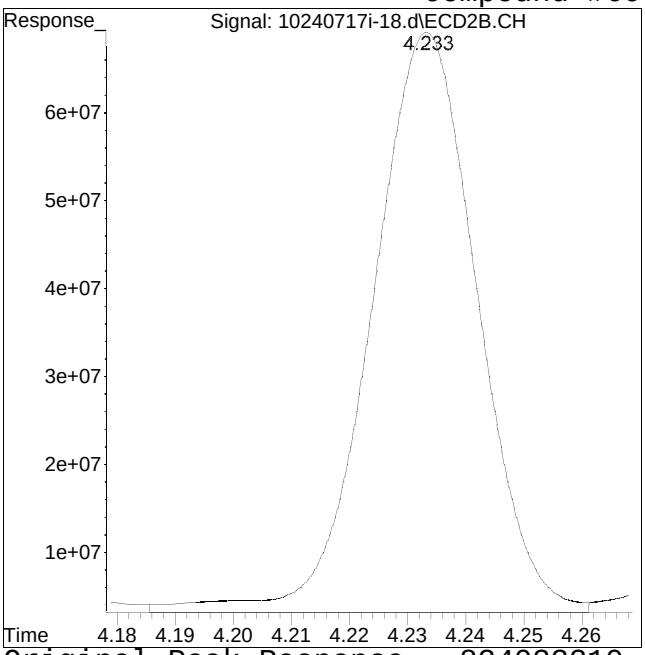


Original Peak Response = 1090136988 Manual Peak Response = 1030328655 M2
M2 = Peak not found by automatic integration algorithm.

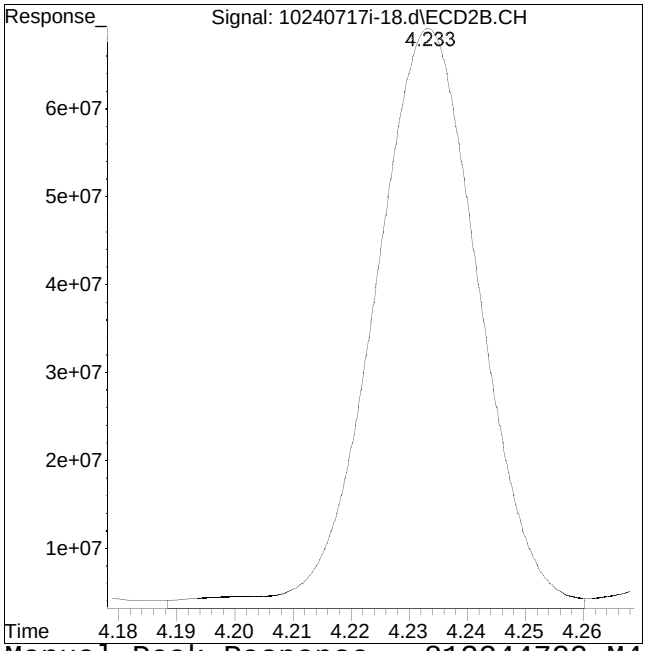
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #69: chlordane-4 #2



Original Peak Response = 834033310



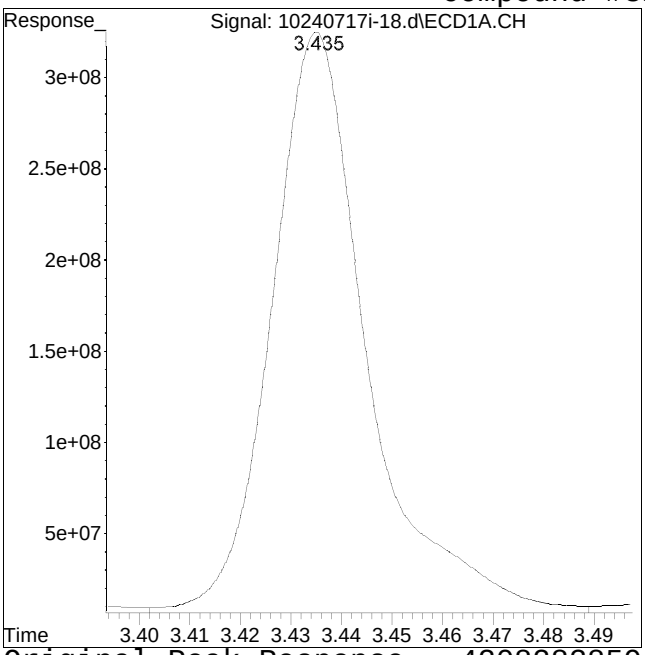
Manual Peak Response = 813344722 M4

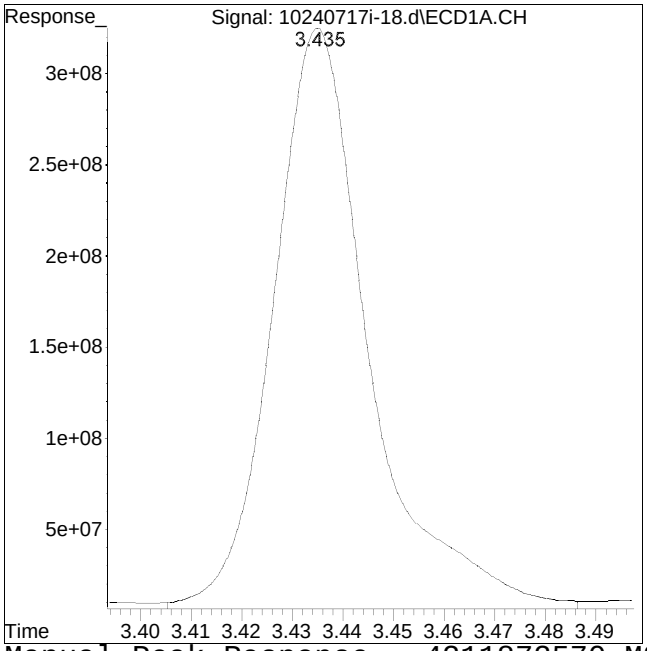
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #32: chlordane-5



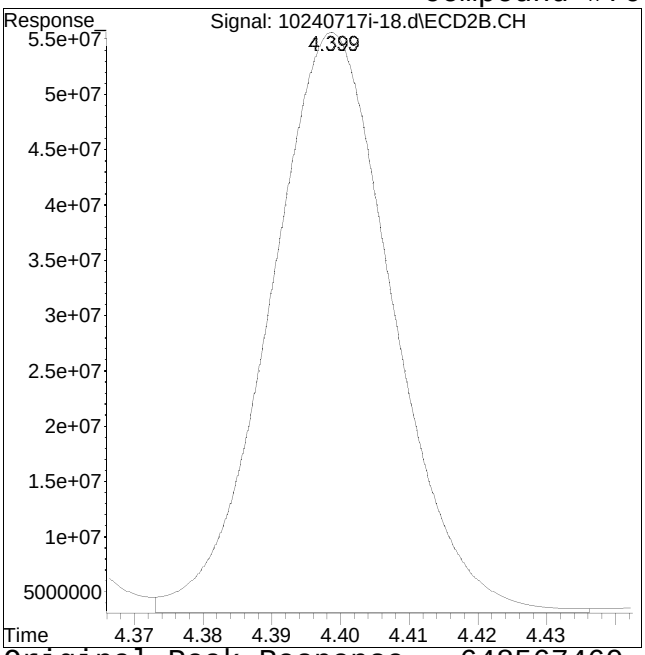


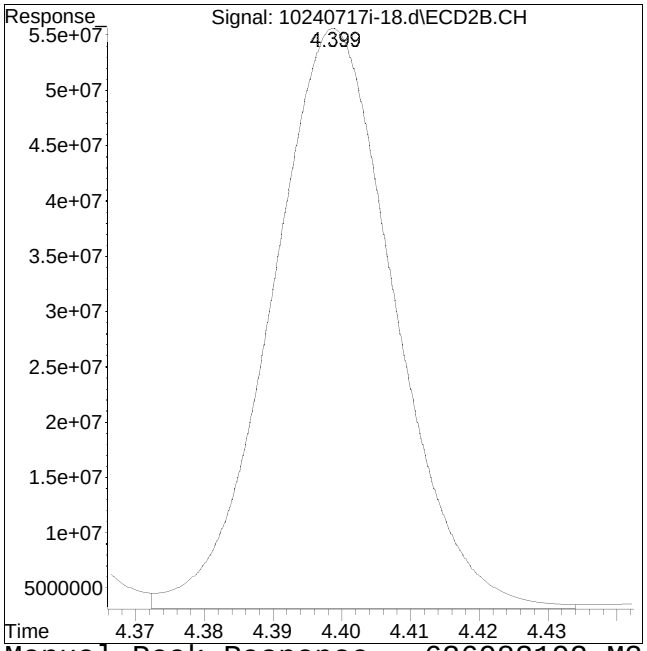
Original Peak Response = 4208283859 Manual Peak Response = 4211872570 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-18.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 2:54 pm Instrument : Pest 10
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/18/2024 11:02 am

Compound #70: chlordane-5 #2





Original Peak Response = 648567460 Manual Peak Response = 636983192 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:06 pm
Operator : PEST10:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:04:06 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:03:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.319	1.435	556.2E6	128.7E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:06 pm
Operator : PEST10:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:04:06 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:03:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.462	2.919	1921.6E6	401.3E6	2048.033	2007.804
30) l1	chlordane-3	2.525	3.538	3863.2E6	457.0E6	2076.615M3	2060.541
31) l1	chlordane-4	2.881	4.234	2202.1E6	1681.1E6	2081.213	2032.087
32) l1	chlordane-5	3.438	4.399	8715.7E6	1312.2E6	2050.400	2032.202
Sum	chlordane-1			16702.5E6	3851.5E6	NoCal	NoCal D
Average	chlordane-1					2064.065	2033.158
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

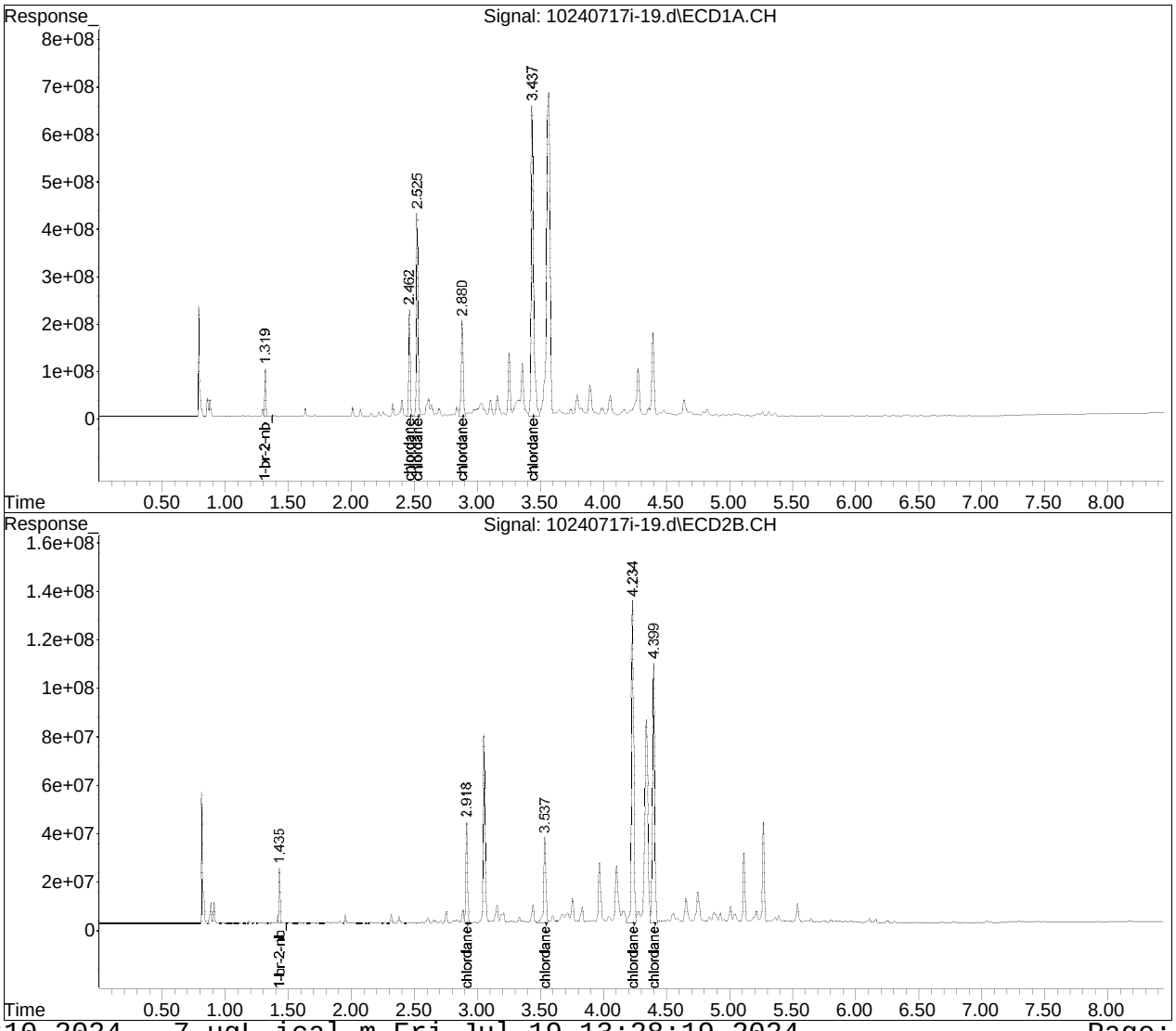
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:06 pm
Operator : PEST10:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:04:06 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:03:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

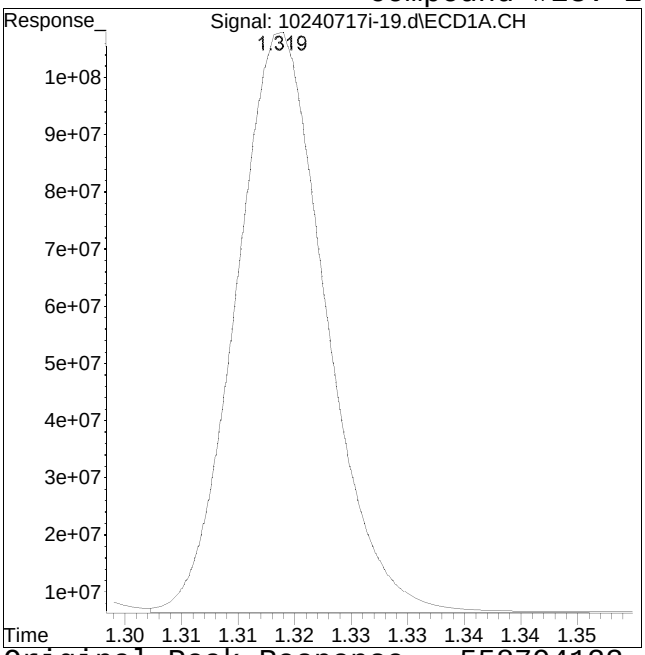
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

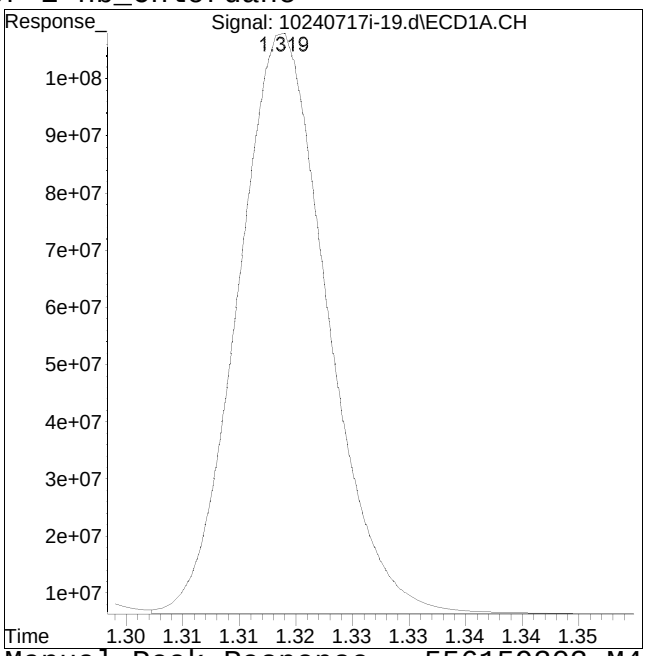


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-19.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:06 pm Instrument : Pest 10
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/18/2024 11:04 am

Compound #28: 1-br-2-nb_Chlordane



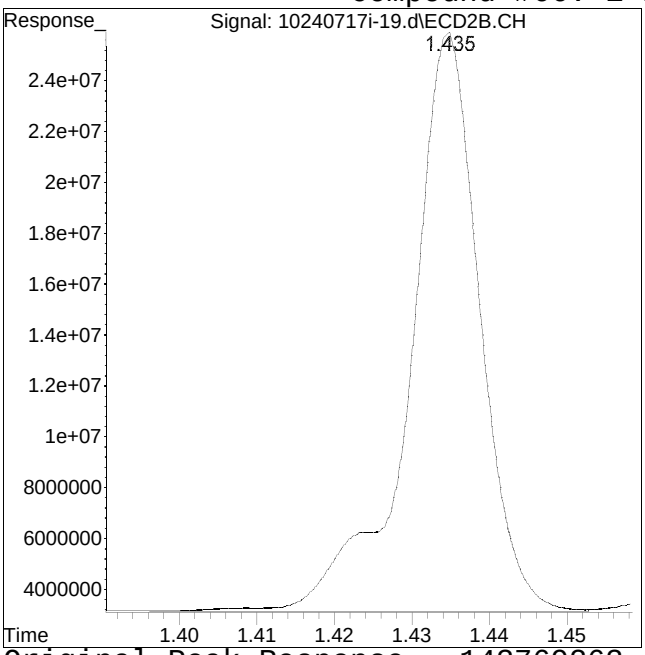


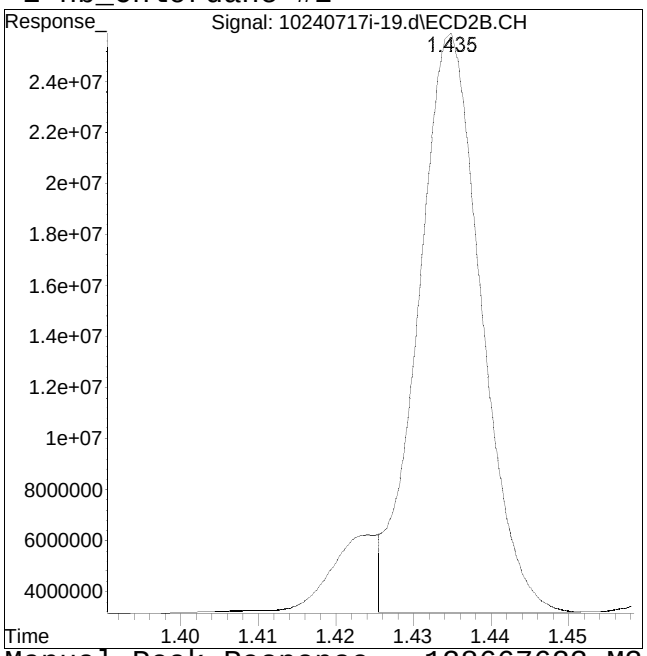
Original Peak Response = 558794123 Manual Peak Response = 556159303 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-19.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:06 pm Instrument : Pest 10
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/18/2024 11:04 am

Compound #66: 1-br-2-nb_Chlordane #2



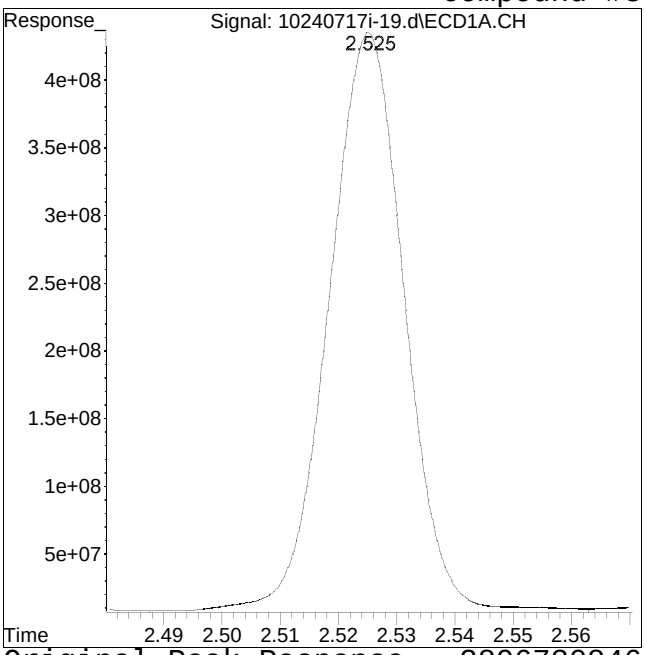


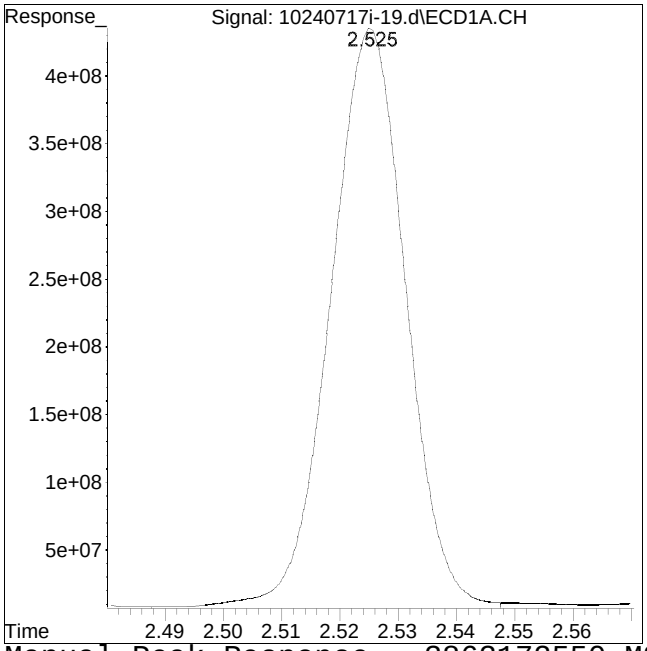
Original Peak Response = 143769263 Manual Peak Response = 128667623 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-19.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:06 pm Instrument : Pest 10
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/18/2024 11:04 am

Compound #30: chlordane-3





Original Peak Response = 3896730846 Manual Peak Response = 3863172550 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:17 pm
Operator : PEST10:peg
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:02 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.319	1.435	608.1E6	137.3E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:17 pm
Operator : PEST10:peg
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:02 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.463	2.919	5137.9E6	1053.0E6	5008.146	4938.096
30) l1	chlordane-3	2.525	3.538	9737.1E6	1145.9E6	4776.865M3	4843.389
31) l1	chlordane-4	2.881	4.234	5720.0E6	4371.8E6	4944.194	4953.793
32) l1	chlordane-5	3.439	4.400	22941.9E6	3400.4E6	4936.104	4936.640
Sum	chlordane-1			43536.9E6	9971.2E6	NoCal	NoCal D
Average	chlordane-1					4916.327	4917.980
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

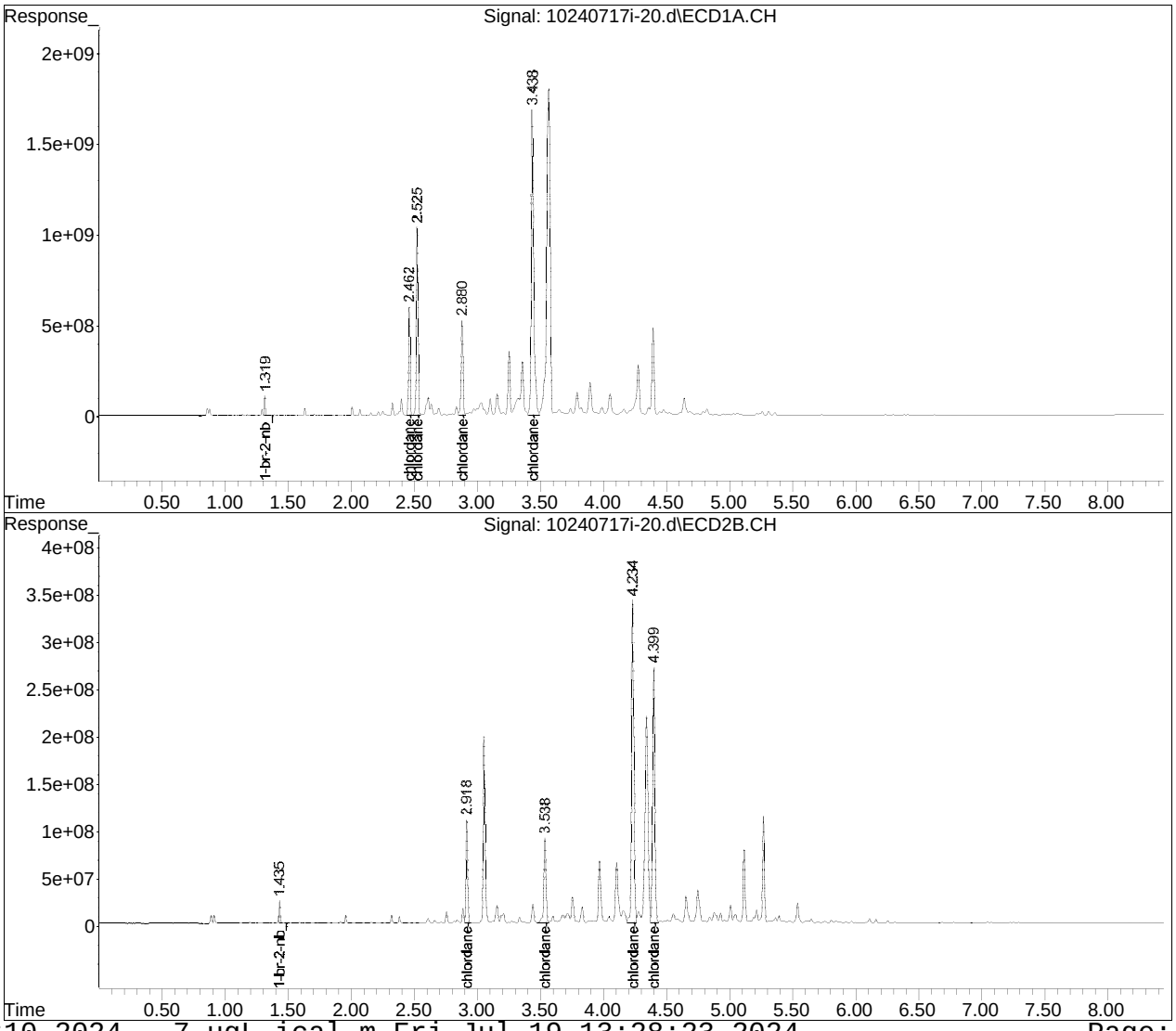
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:17 pm
Operator : PEST10:peg
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:02:02 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

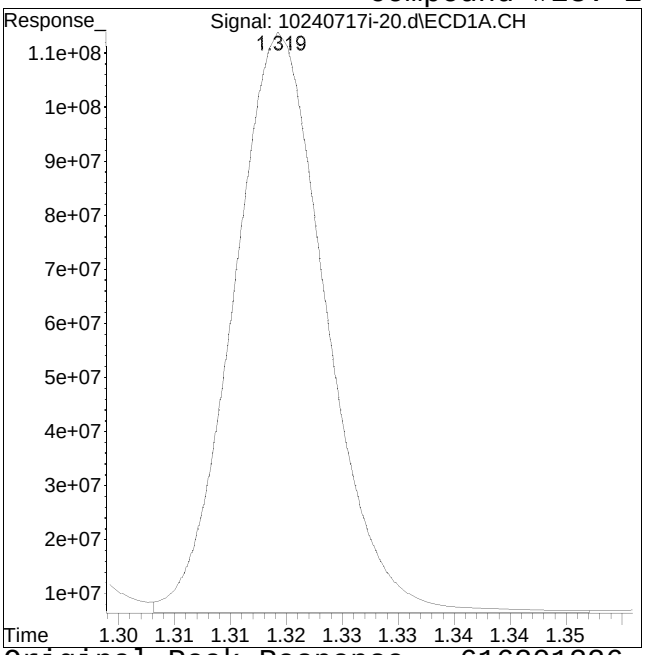
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



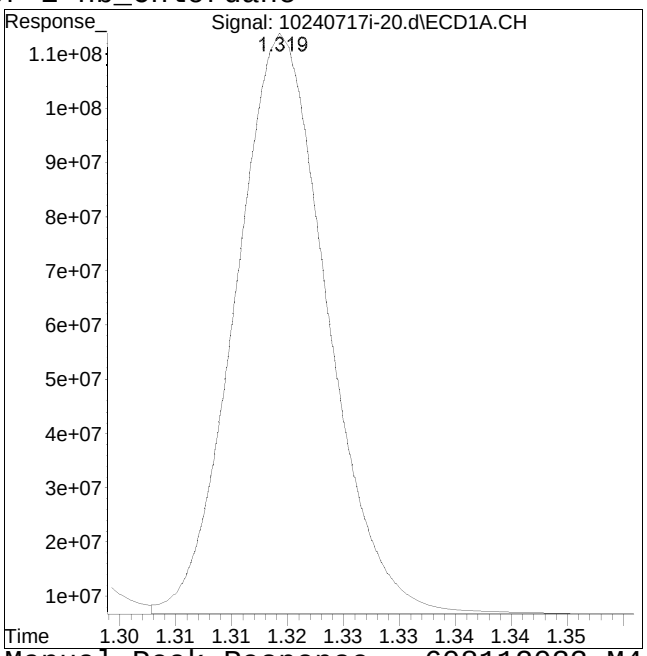
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-20.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:17 pm Instrument : Pest 10
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/18/2024 11:02 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 616201326



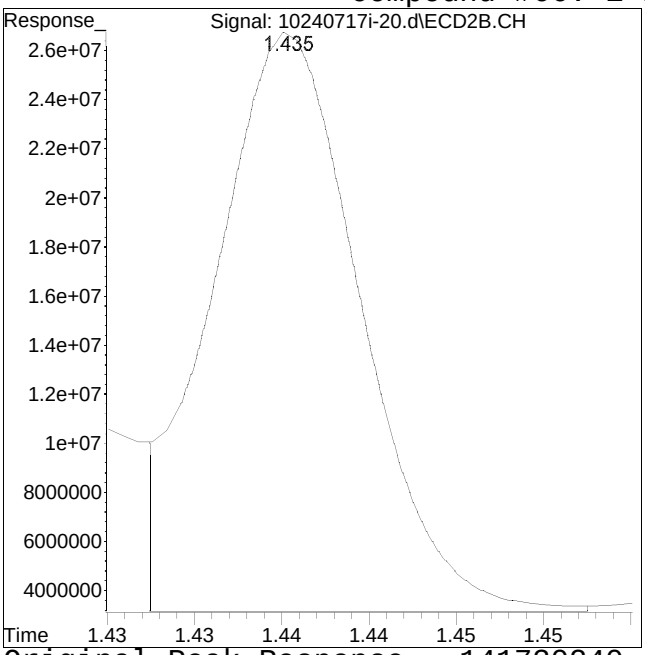
Manual Peak Response = 608112033 M4

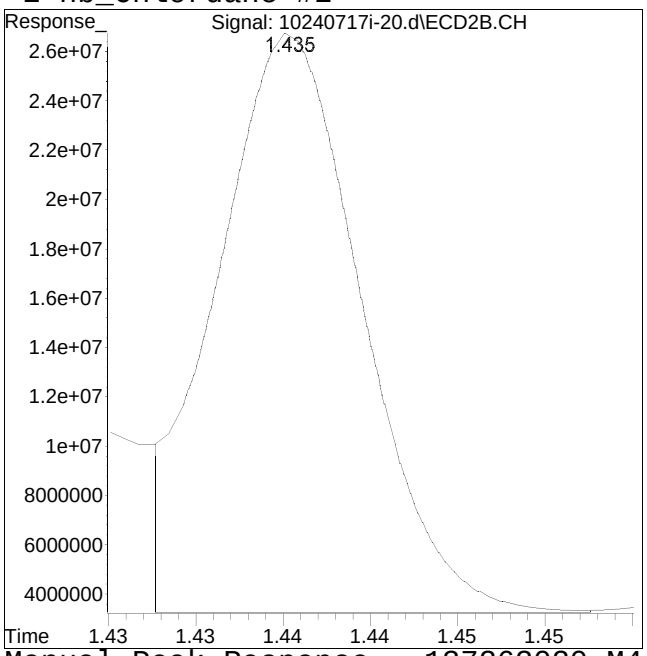
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-20.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:17 pm Instrument : Pest 10
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/18/2024 11:02 am

Compound #66: 1-br-2-nb_Chlordane #2



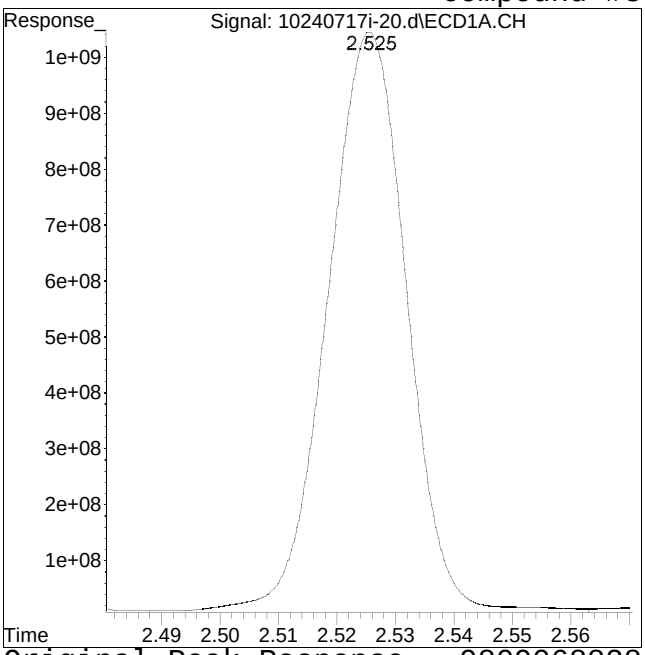


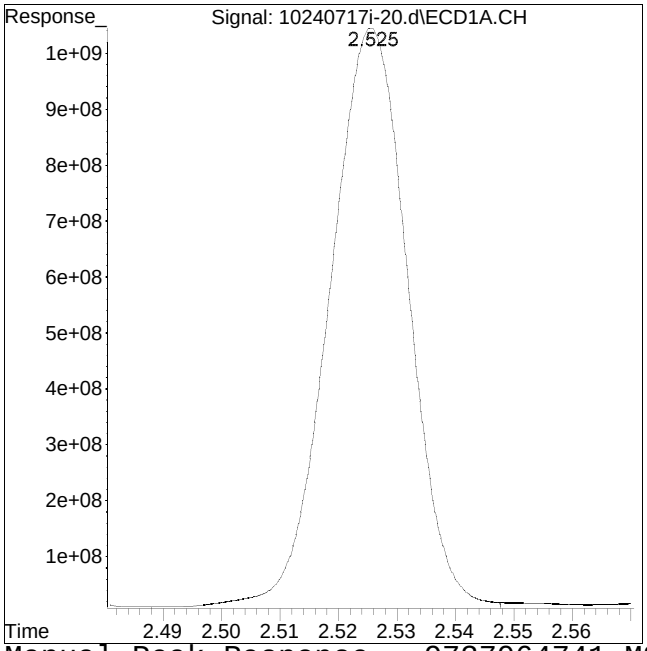
Original Peak Response = 141730240 Manual Peak Response = 137263020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-20.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:17 pm Instrument : Pest 10
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/18/2024 11:02 am

Compound #30: chlordane-3





Original Peak Response = 9809068828 Manual Peak Response = 9737064741 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   3:28 pm
Operator : PEST10:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	108	0.00
29	l1	chlordane-1		*1000.000	842.204	15.8	92	0.00
30	l1	chlordane-3		*1000.000	658.851	34.1#	69	0.00
31	l1	chlordane-4		*1000.000	860.025	14.0	95	0.00
32	l1	chlordane-5		*1000.000	828.774	17.1	89	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	101	0.00
29	l1	chlordane-1		*1000.000	882.199	11.8	88	0.00
30	l1	chlordane-3		*1000.000	919.860	8.0	93	0.00
31	l1	chlordane-4		*1000.000	852.297	14.8	86	0.00
32	l1	chlordane-5		*1000.000	835.255	16.5	84	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	0.000	100.0#	0#	-1.66#
3	t	Hexachlorobenzene		1.313	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.783	0.000	100.0#	0#	-1.97#
5	t	gamma-BHC (lindane)		1.679	0.000	100.0#	0#	-2.18#
6	t	beta-BHC		0.728	0.000	100.0#	0#	-2.23#
7	t	delta-BHC		1.688	0.000	100.0#	0#	-2.36#
8	t	Heptachlor		1.589	0.000	100.0#	0#	-2.52#
9	t	Aldrin		1.514	0.000	100.0#	0#	-2.77#
10	t	Alachlor		* 50.000	0.000	100.0#	0	-2.89#
11	t	Chlorpyrifos		* 50.000	0.000	100.0#	0	-2.98#
12	t	Heptachlor Epoxide		1.432	0.000	100.0#	0#	-3.31#
13	t	gamma-Chlordane (trans)		1.321	0.000	100.0#	0#	-3.43#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   3:28 pm
Operator : PEST10:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.515	0.000	100.0#	0#	-3.57#
15	t	4,4'-DDE		1.468	0.000	100.0#	0#	-3.67#
16	t	Endosulfan I		1.360	0.000	100.0#	0#	-3.71#
17	t	Dieldrin		1.420	0.000	100.0#	0#	-3.97#
18	t	Endrin		1.462	0.000	100.0#	0#	-4.22#
19	t	4,4'-DDD		1.196	0.000	100.0#	0#	-4.33#
20	t	Endosulfan II		1.299	0.000	100.0#	0#	-4.46#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		1.075	0.000	100.0#	0#	-4.88#
23	t	Methoxychlor		0.742	0.000	100.0#	0#	-5.11#
24	t	Mirex		1.139	0.000	100.0#	0#	-5.17#
25	t	Endosulfan Sulfate		1.253	0.000	100.0#	0#	-5.27#
26	t	Endrin Ketone		1.409	0.000	100.0#	0#	-5.50#
27	s	Decachlorobiphenyl		1.201	0.000	100.0#	0#	-6.30#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.32#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.45#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.58#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.99#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.18#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.44#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	0.000	100.0#	0#	-1.93#
3	t	Hexachlorobenzene		1.242	0.000	100.0#	0#	-2.26#
4	t	alpha-BHC		1.567	0.000	100.0#	0#	-2.36#
5	t	gamma-BHC (lindane)		1.478	0.000	100.0#	0#	-2.65#
6	t	beta-BHC		0.702	0.000	100.0#	0#	-2.71#
7	t	delta-BHC		1.492	0.000	100.0#	0#	-2.99#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Jul 2024   3:28 pm
Operator : PEST10:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.465	0.000	100.0#	0#	-3.06#
9	t	Aldrin		1.347	0.000	100.0#	0#	-3.38#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.26#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.62#
12	t	Heptachlor Epoxide		1.339	0.000	100.0#	0#	-4.01#
13	t	gamma-Chlordane (trans)		1.195	0.000	100.0#	0#	-4.23#
14	t	alpha-Chlordane (cis)		1.358	0.000	100.0#	0#	-4.40#
15	t	4,4'-DDE		1.288	0.000	100.0#	0#	-4.59#
16	t	Endosulfan I		1.260	0.000	100.0#	0#	-4.46#
17	t	Dieldrin		1.260	0.000	100.0#	0#	-4.74#
18	t	Endrin		1.288	0.000	100.0#	0#	-5.03#
19	t	4,4'-DDD		1.029	0.000	100.0#	0#	-5.15#
20	t	Endosulfan II		1.175	0.000	100.0#	0#	-5.23#
21	t	4,4'-DDT		1.136	0.000	100.0#	0#	-5.42#
22	t	Endrin Aldehyde		0.978	0.000	100.0#	0#	-5.52#
23	t	Methoxychlor		0.637	0.000	100.0#	0#	-5.98#
24	t	Mirex		1.032	0.000	100.0#	0#	-6.12#
25	t	Endosulfan Sulfate		1.132	0.000	100.0#	0#	-5.75#
26	t	Endrin Ketone		1.235	0.000	100.0#	0#	-6.16#
27	s	Decachlorobiphenyl		1.033	0.000	100.0#	0#	-7.01#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.43#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.19#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.22#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.53#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.93#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:28 pm
Operator : PEST10:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.319	1.436	589.3E6	128.0E6	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:28 pm
Operator : PEST10:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.461	2.919	847.0E6	175.3E6	842.204	882.199
30) l1	chlordane-3	2.523	3.538	1292.7E6	203.8E6	658.851M4	919.860
31) l1	chlordane-4	2.879	4.234	979.1E6	700.9E6	860.025	852.297
32) l1	chlordane-5	3.435	4.399	3734.2E6	535.7E6	828.774	835.255
Sum	chlordane-1			6853.1E6	1615.7E6	N.D.	N.D. D
Average	chlordane-1					797.463	872.403
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

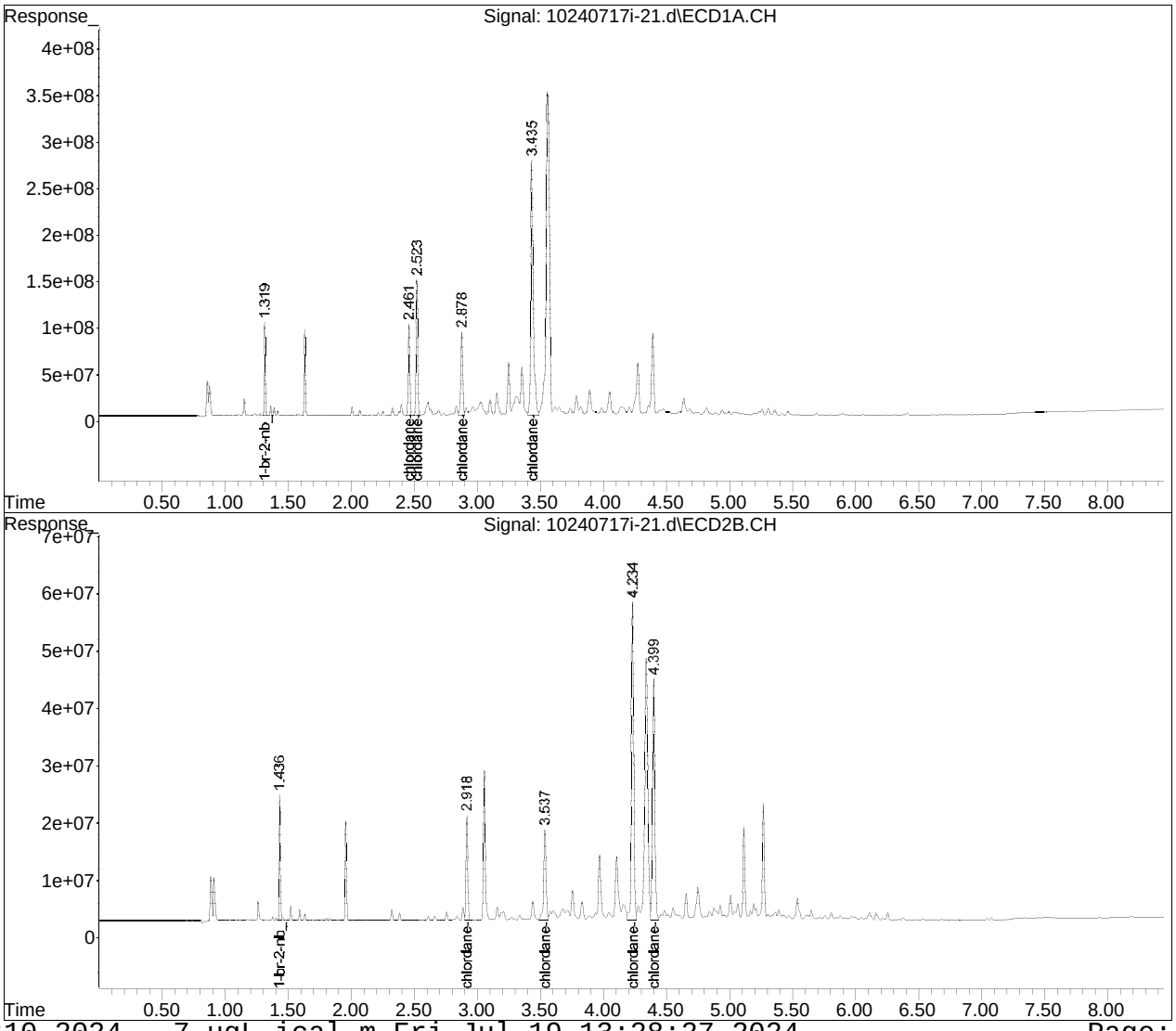
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jul 2024 3:28 pm
Operator : PEST10:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 12:07:40 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Thu Jul 18 12:07:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

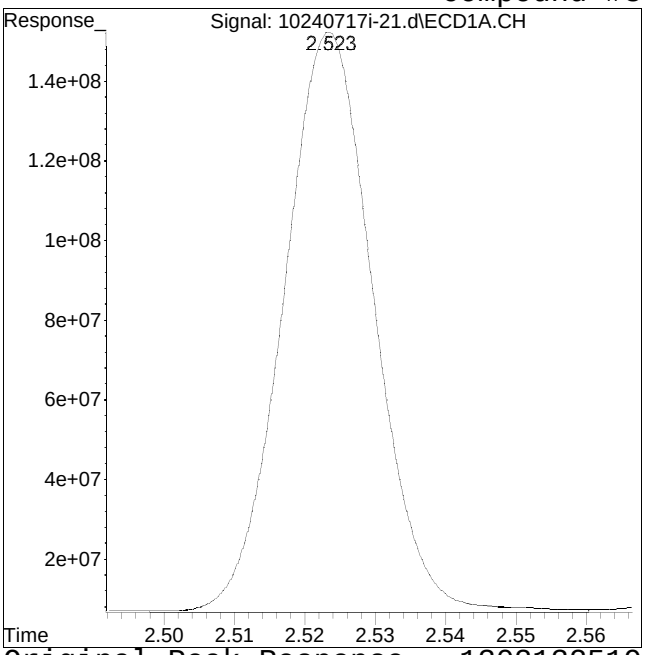
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

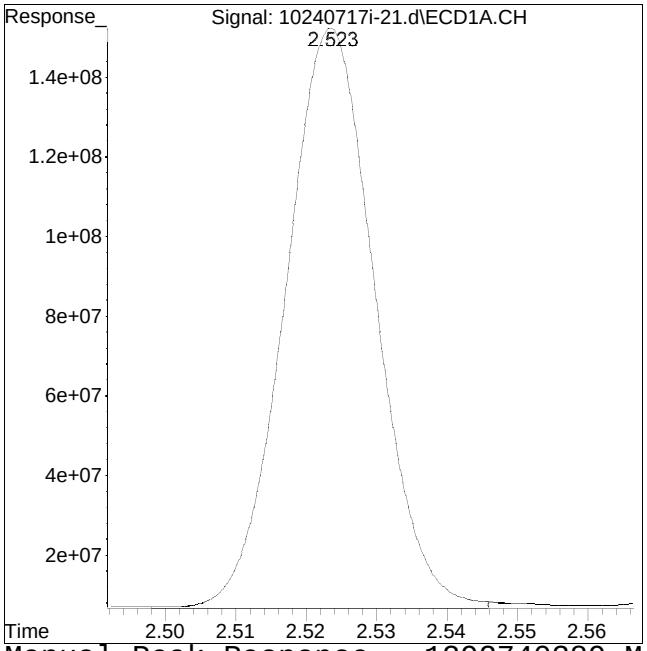


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-21.d Operator : PEST10:peg
Date Inj'd : 7/17/2024 3:28 pm Instrument : Pest 10
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 7/18/2024 12:07 pm

Compound #30: chlordane-3





Original Peak Response = 1302132519 Manual Peak Response = 1292740389 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 10:55 am
Operator : PEST10:peg
Sample : pem10240717i-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (Sig #2)
Misc : WG1949071,
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:38:04 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.320	1.435	580.7E6	137.3E6	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.668	4.586	2850665	741687	0.084M4	0.105M4
18) t	Endrin	4.225	5.033	1442.4E6	310.4E6	42.469	43.903M4
19) t	4,4'-DDD	4.335	5.150	5388869	1817064	0.194	0.322M4
D							
21) t	4,4'-DDT	4.627	5.422	2717.4E6	551.5E6	87.338	88.429M4
22) t	Endrin Aldeh	4.885	5.521	1508628	506399	0.060	0.094M4
D							
26) t	Endrin Keton	5.501	6.156	12268907	3049441	0.375M4	0.450
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 10:55 am
Operator : PEST10:peg
Sample : pem10240717i-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (Sig #2)
Misc : WG1949071,
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:38:04 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

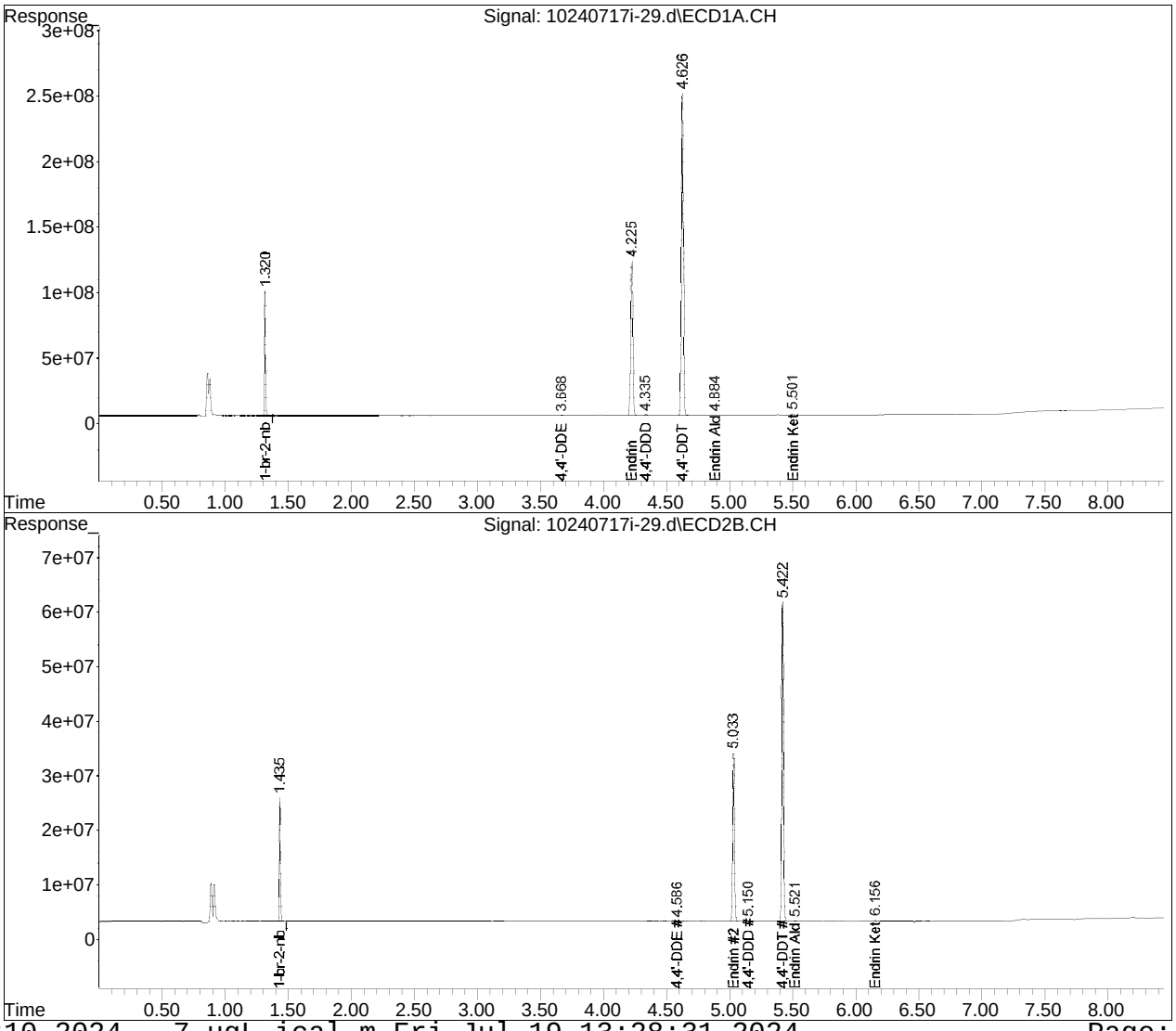
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 10:55 am
Operator : PEST10:peg
Sample : pem10240717i-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (
Misc : WG1949071,
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:38:04 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

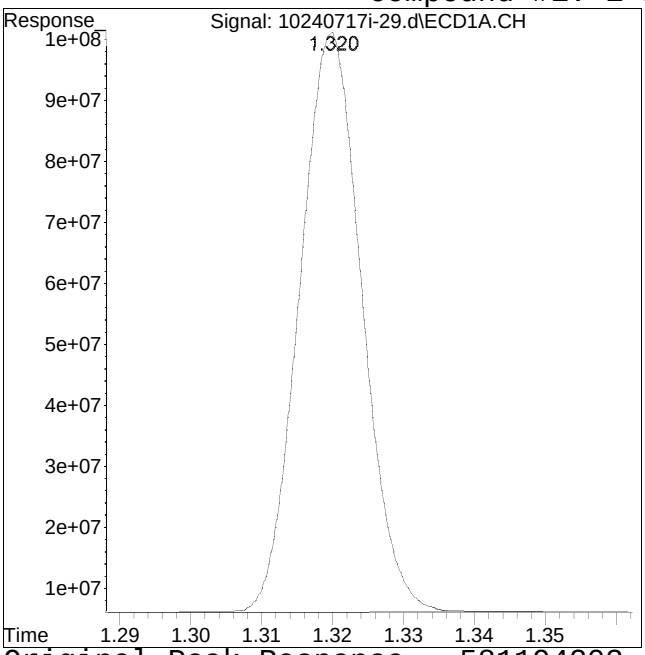


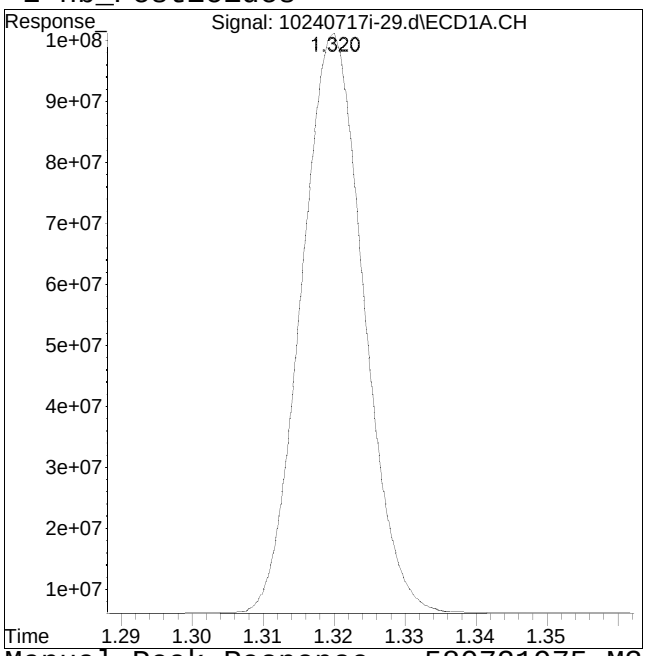
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-29.d
Date Inj'd : 7/19/2024 10:55 am
Sample : pem10240717i-02,42e,,pp 11

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/19/2024 12:38 pm

Compound #1: 1-br-2-nb_Pesticides





Original Peak Response = 581194203 Manual Peak Response = 580721975 M3

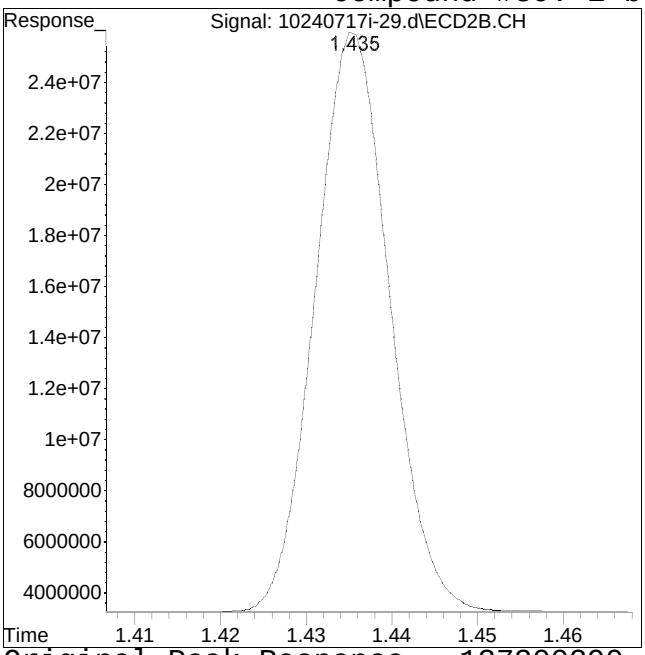
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

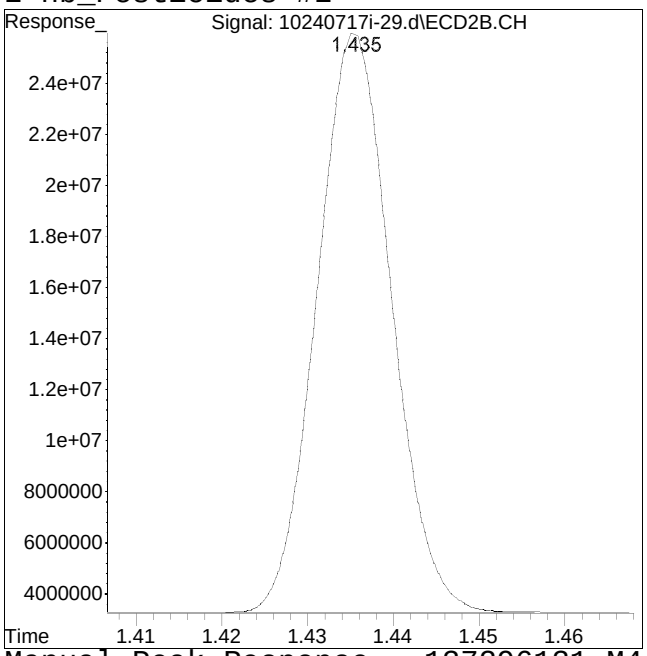
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-29.d
Date Inj'd : 7/19/2024 10:55 am
Sample : pem10240717i-02,42e,,pp 11

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/19/2024 12:38 pm

Compound #39: 1-br-2-nb_Pesticides #2



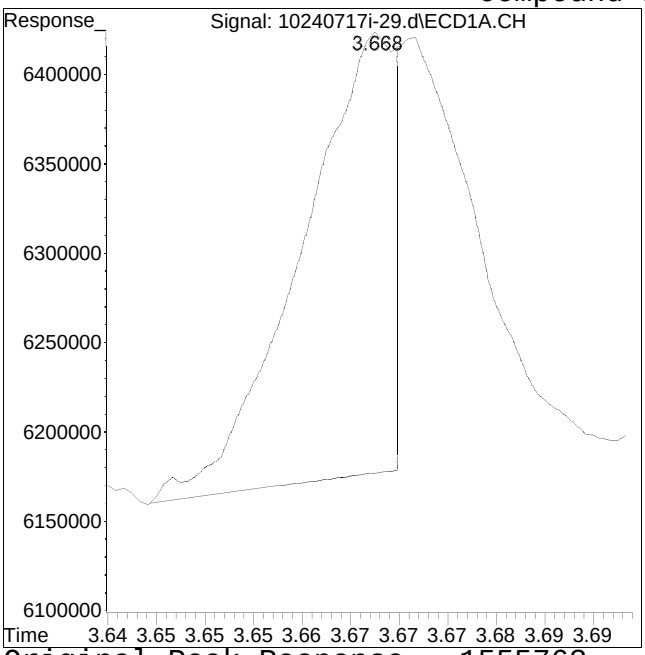


Original Peak Response = 137300290 Manual Peak Response = 137296131 M4
M4 = Poor automated baseline construction.

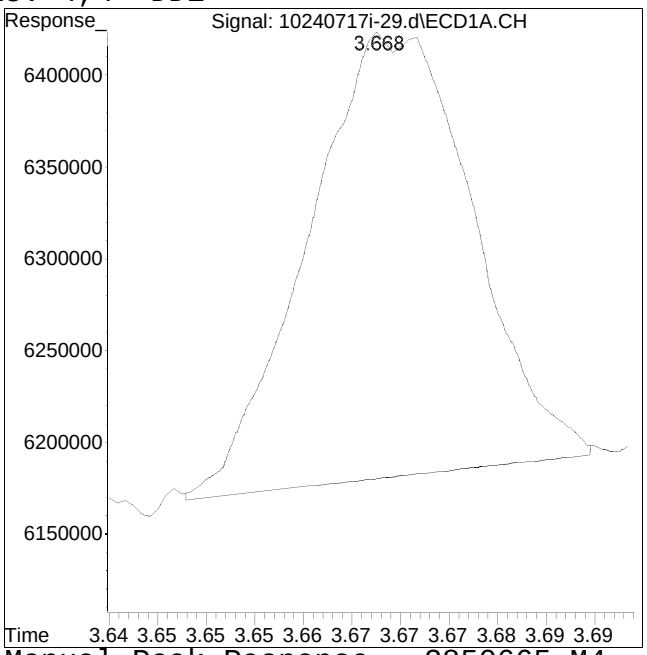
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-29.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 10:55 am Instrument : Pest 10
Sample : pem10240717i-02,42e,,pp 11Quant Date : 7/19/2024 12:38 pm

Compound #15: 4,4'-DDE



Original Peak Response = 1555763



Manual Peak Response = 2850665 M4

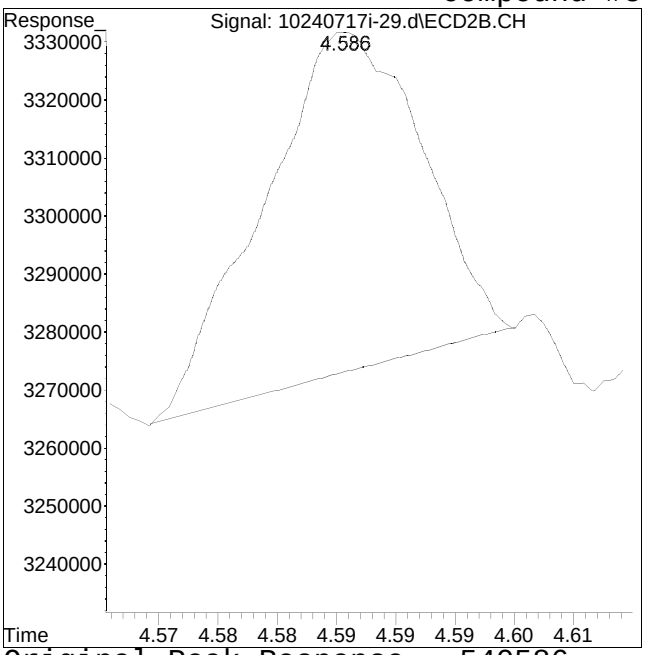
M4 = Poor automated baseline construction.

Manual Integration Report

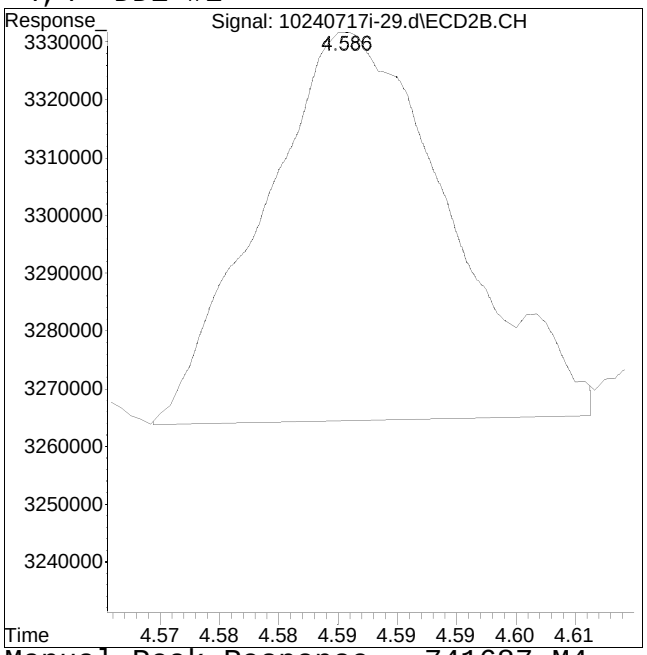
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-29.d
Date Inj'd : 7/19/2024 10:55 am
Sample : pem10240717i-02,42e,,pp 11

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/19/2024 12:38 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 540586



Manual Peak Response = 741687 M4

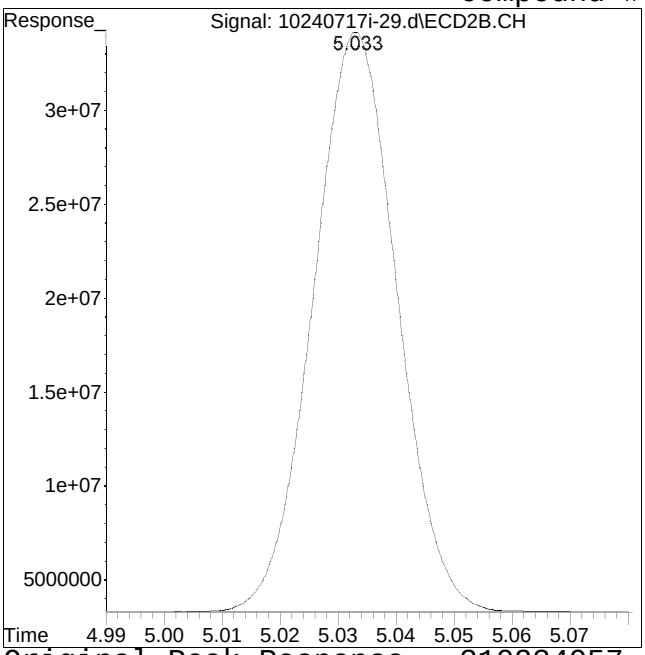
M4 = Poor automated baseline construction.

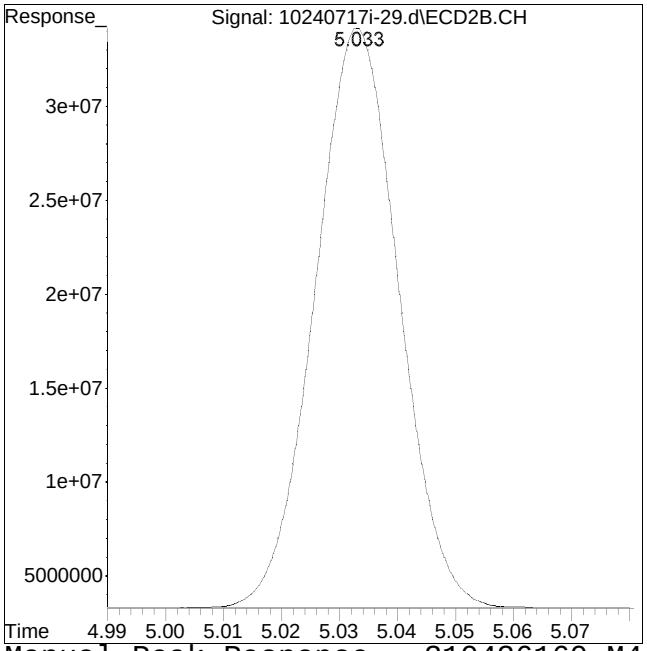
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-29.d
Date Inj'd : 7/19/2024 10:55 am
Sample : pem10240717i-02,42e,,pp 11

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/19/2024 12:38 pm

Compound #56: Endrin #2



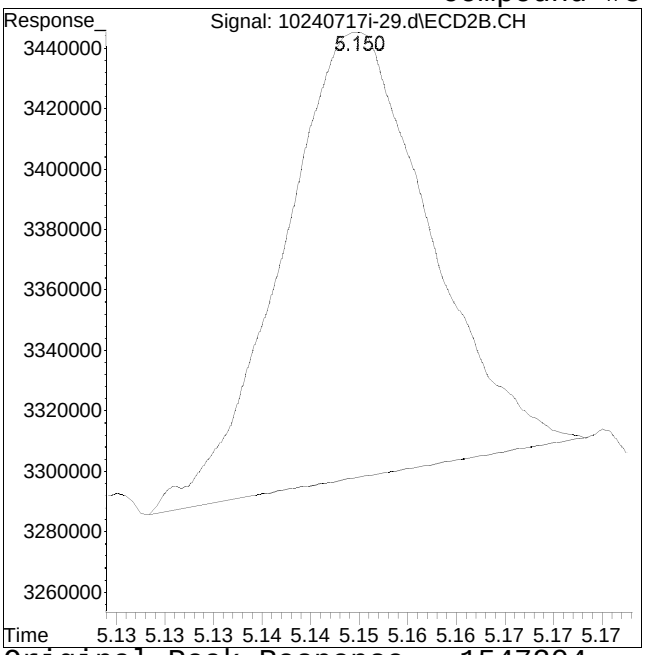


Original Peak Response = 310234957 Manual Peak Response = 310436160 M4
M4 = Poor automated baseline construction.

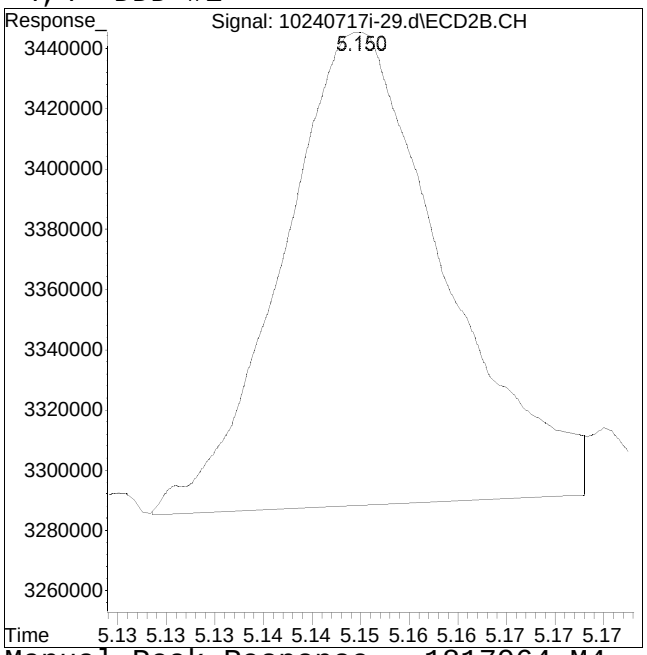
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-29.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 10:55 am Instrument : Pest 10
Sample : pem10240717i-02,42e,,pp 11Quant Date : 7/19/2024 12:38 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 1547204



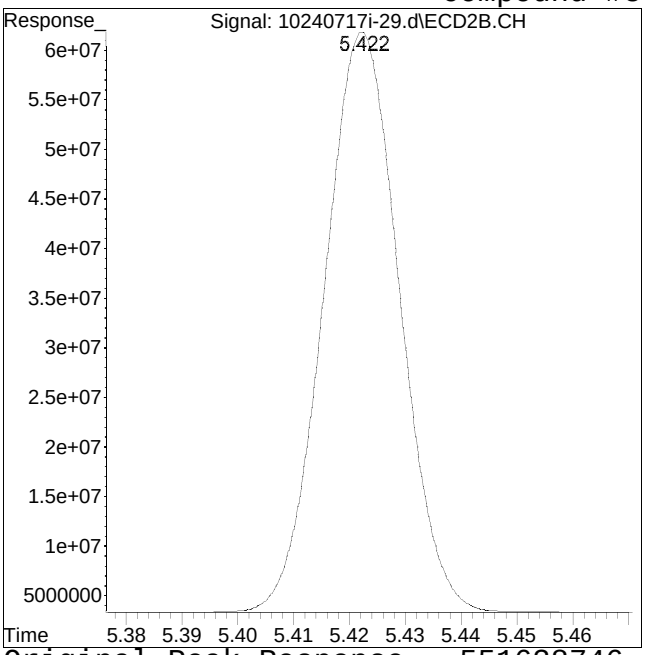
Manual Peak Response = 1817064 M4

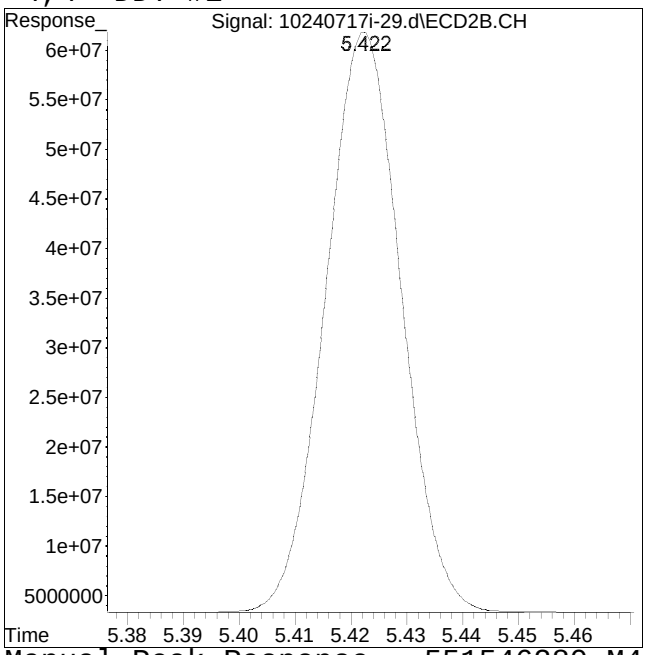
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-29.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 10:55 am Instrument : Pest 10
Sample : pem10240717i-02,42e,,pp 11Quant Date : 7/19/2024 12:38 pm

Compound #59: 4,4'-DDT #2



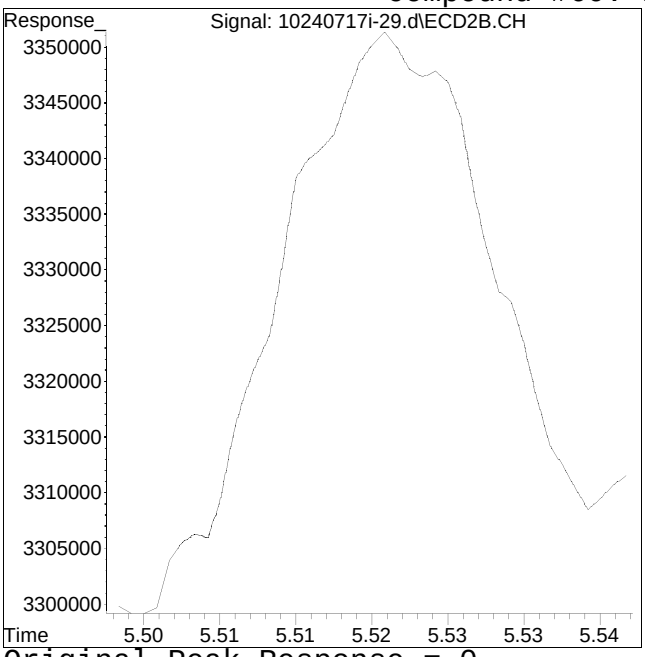


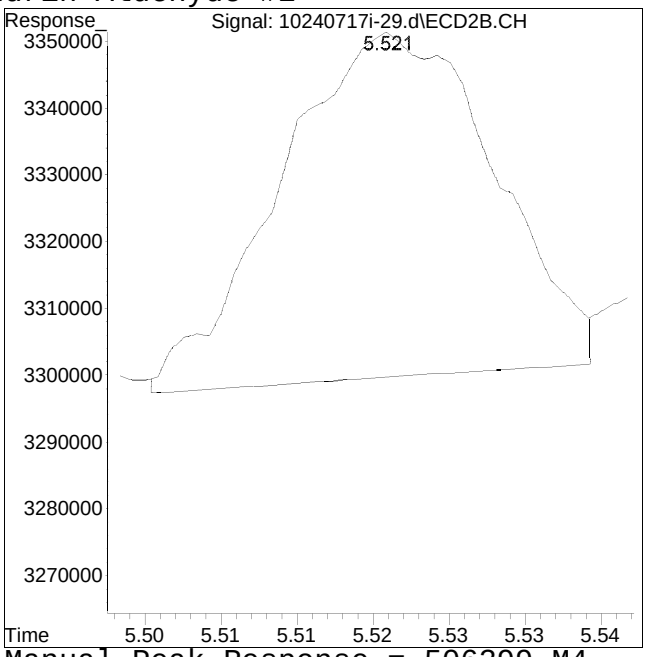
Original Peak Response = 551638746 Manual Peak Response = 551546280 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-29.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 10:55 am Instrument : Pest 10
Sample : pem10240717i-02,42e,,pp 11Quant Date : 7/19/2024 12:38 pm

Compound #60: Endrin Aldehyde #2



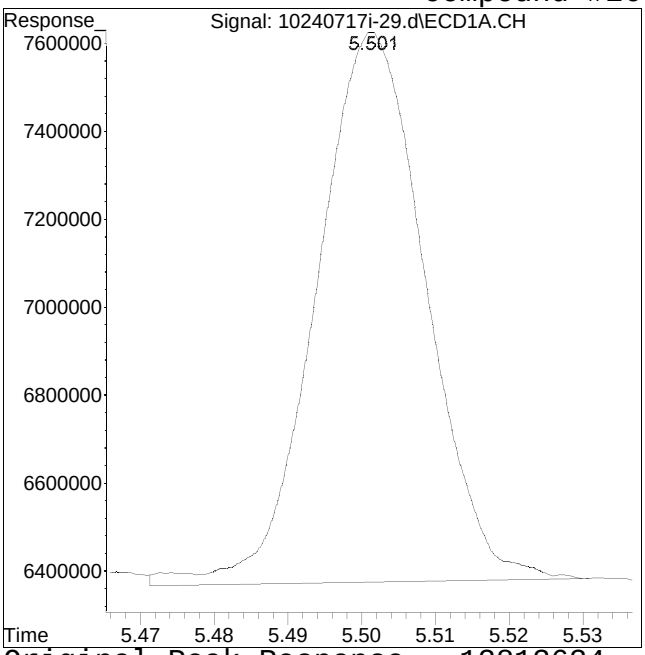


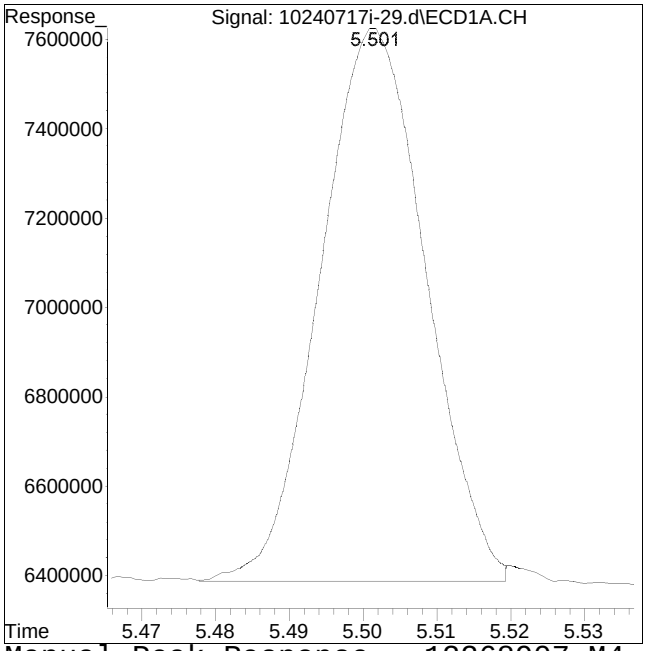
Original Peak Response = 0 Manual Peak Response = 506399 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-29.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 10:55 am Instrument : Pest 10
Sample : pem10240717i-02,42e,,pp 11Quant Date : 7/19/2024 12:38 pm

Compound #26: Endrin Ketone





Original Peak Response = 12813634 Manual Peak Response = 12268907 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:06 am
Operator : PEST10:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:35:05 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.318	1.435	543.9E6	131.6E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:06 am
Operator : PEST10:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:35:05 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.454	5.187	22116044	2474733	21.800	19.790
35) l2	toxaphene-2	4.578	5.216	19969181	4169108	21.212	21.804
36) l2	toxaphene-4	4.996	5.527	18972511	4498136	22.787	20.342
37) l2	toxaphene-5	5.179	5.933	22645889	5495532	22.908	24.854M4
Sum	toxaphene-1			83703624	16637509	88.708	86.789
Average	toxaphene-1					22.177	21.697

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			83703624	16637509	88.708	86.789
Average	toxaphene-1					22.177	21.697

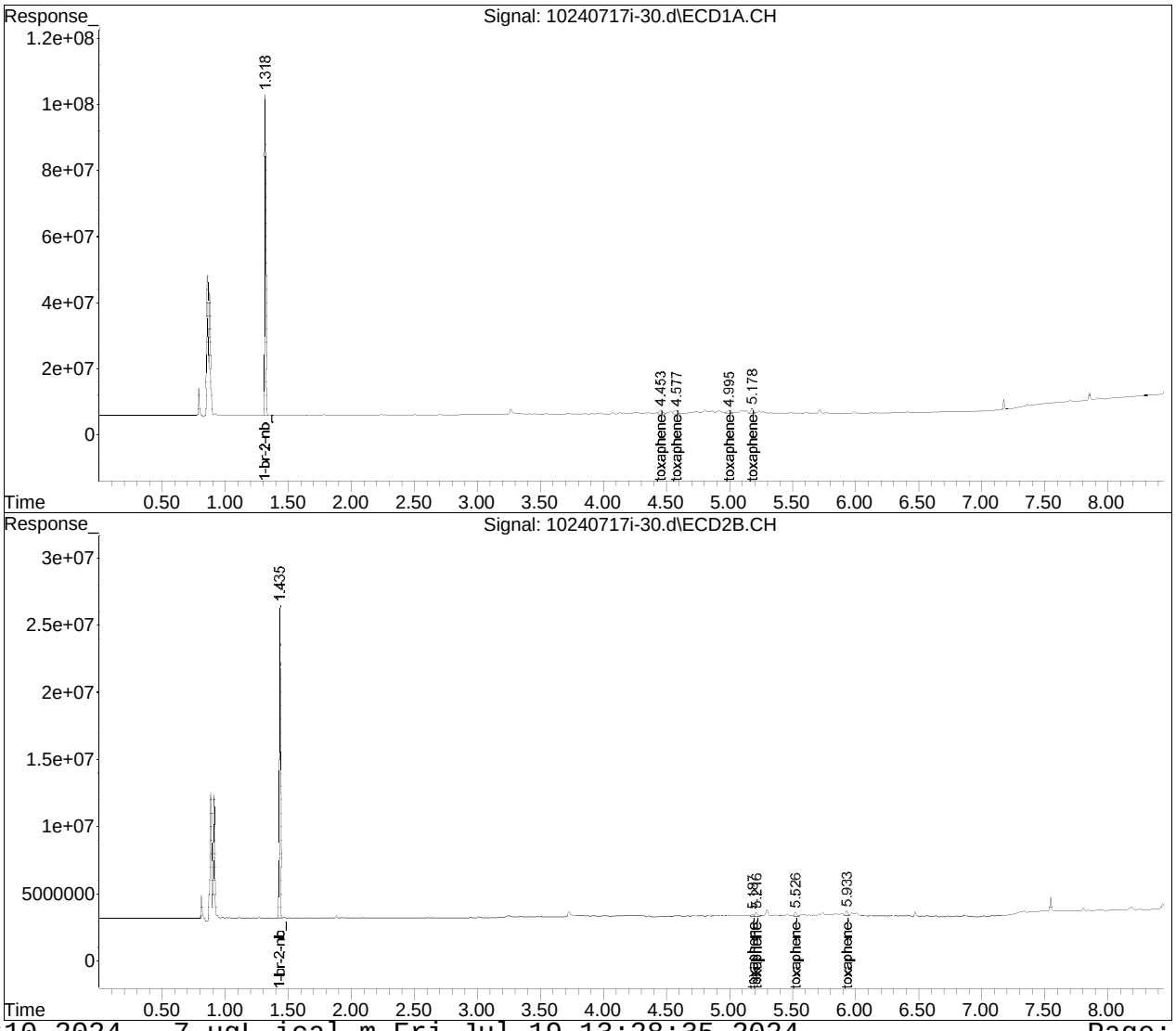
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:06 am
Operator : PEST10:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:35:05 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

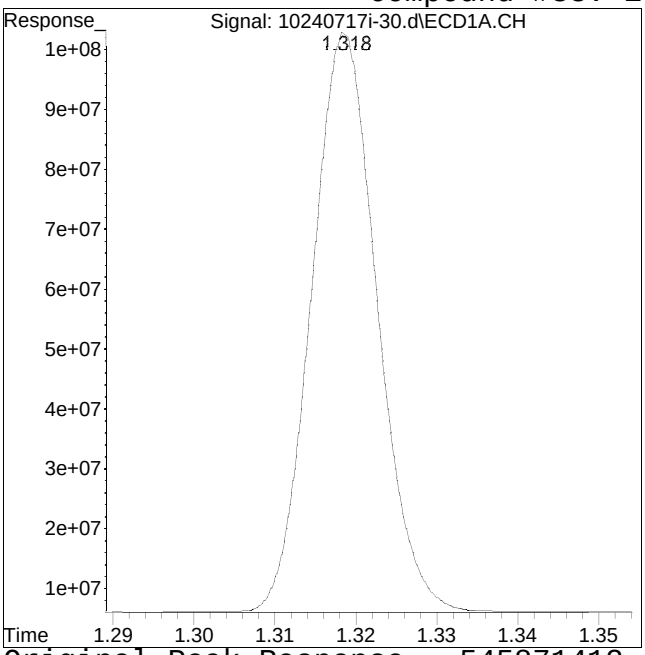
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

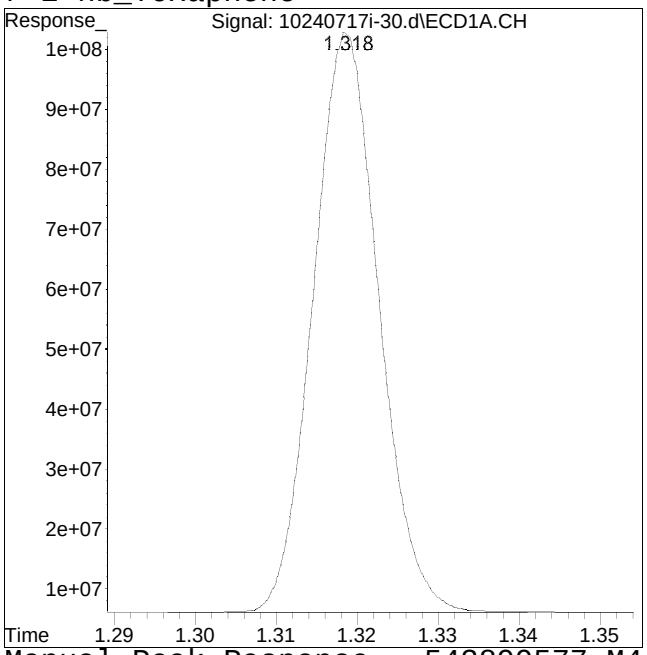


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-30.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:06 am Instrument : Pest 10
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 7/19/2024 12:35 pm

Compound #33: 1-br-2-nb_Toxaphene





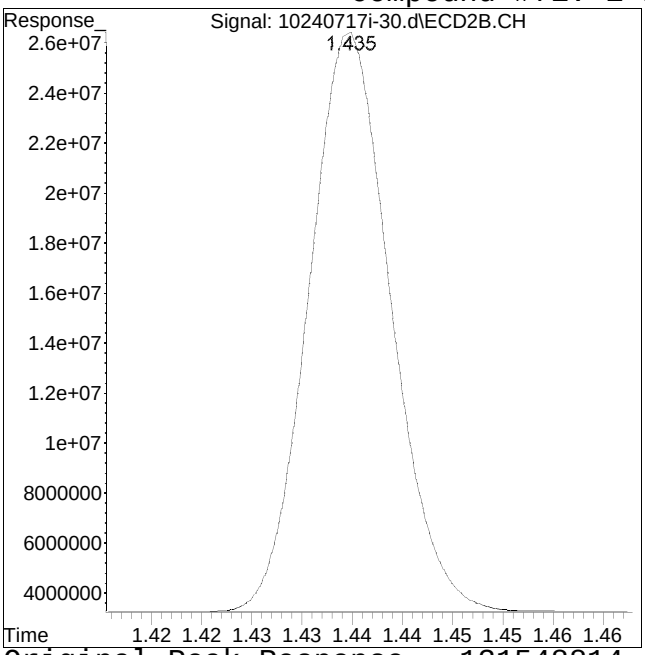
Original Peak Response = 545871412 Manual Peak Response = 543899577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

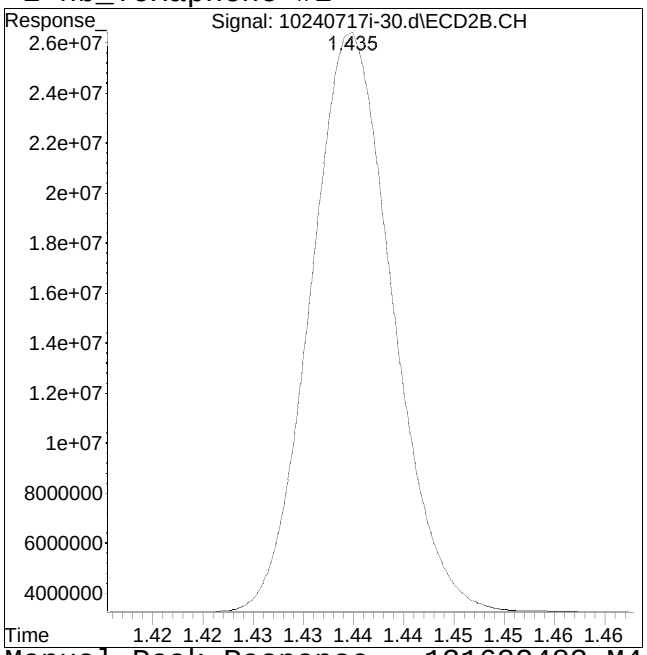
Data Path : I:\PEST\Pest10\2024\240717Q
Data File : 10240717i-30.d
Date Inj'd : 7/19/2024 11:06 am
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 7/19/2024 12:35 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 131548814



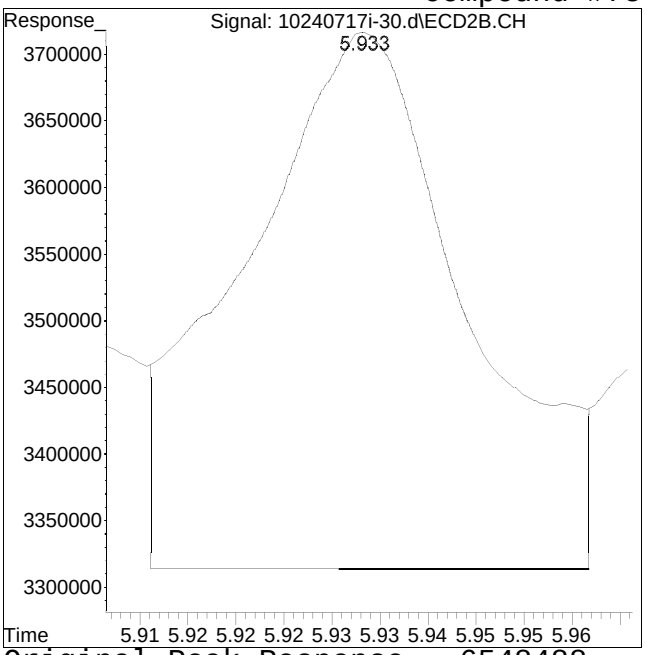
Manual Peak Response = 131622483 M4

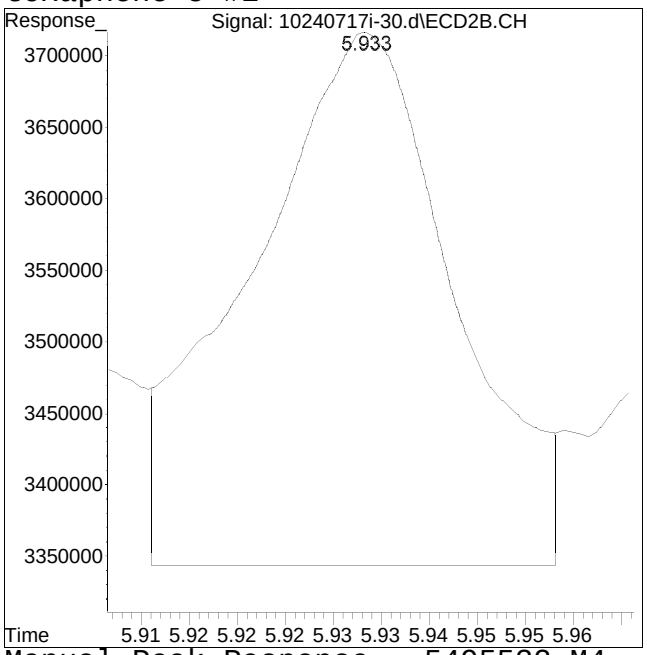
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-30.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:06 am Instrument : Pest 10
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 7/19/2024 12:35 pm

Compound #75: toxaphene-5 #2





Original Peak Response = 6548488 Manual Peak Response = 5495532 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:17 am
Operator : PEST10:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:23:35 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:23:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.319	1.436	557.9E6	132.0E6	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:17 am
Operator : PEST10:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:23:35 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:23:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.455	5.187	96869590	13003726	75.664	89.325
35) l2	toxaphene-2	4.579	5.216	87250764	19317882	74.847	87.662
36) l2	toxaphene-4	4.996	5.527	72335294	22118029	70.392	87.638
37) l2	toxaphene-5	5.179	5.934	88722305	22391181	71.627	92.234
Sum	toxaphene-1			345.2E6	76830818	292.531	356.858
Average	toxaphene-1					73.133	89.215

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			345.2E6	76830818	292.531	356.858
Average	toxaphene-1					73.133	89.215

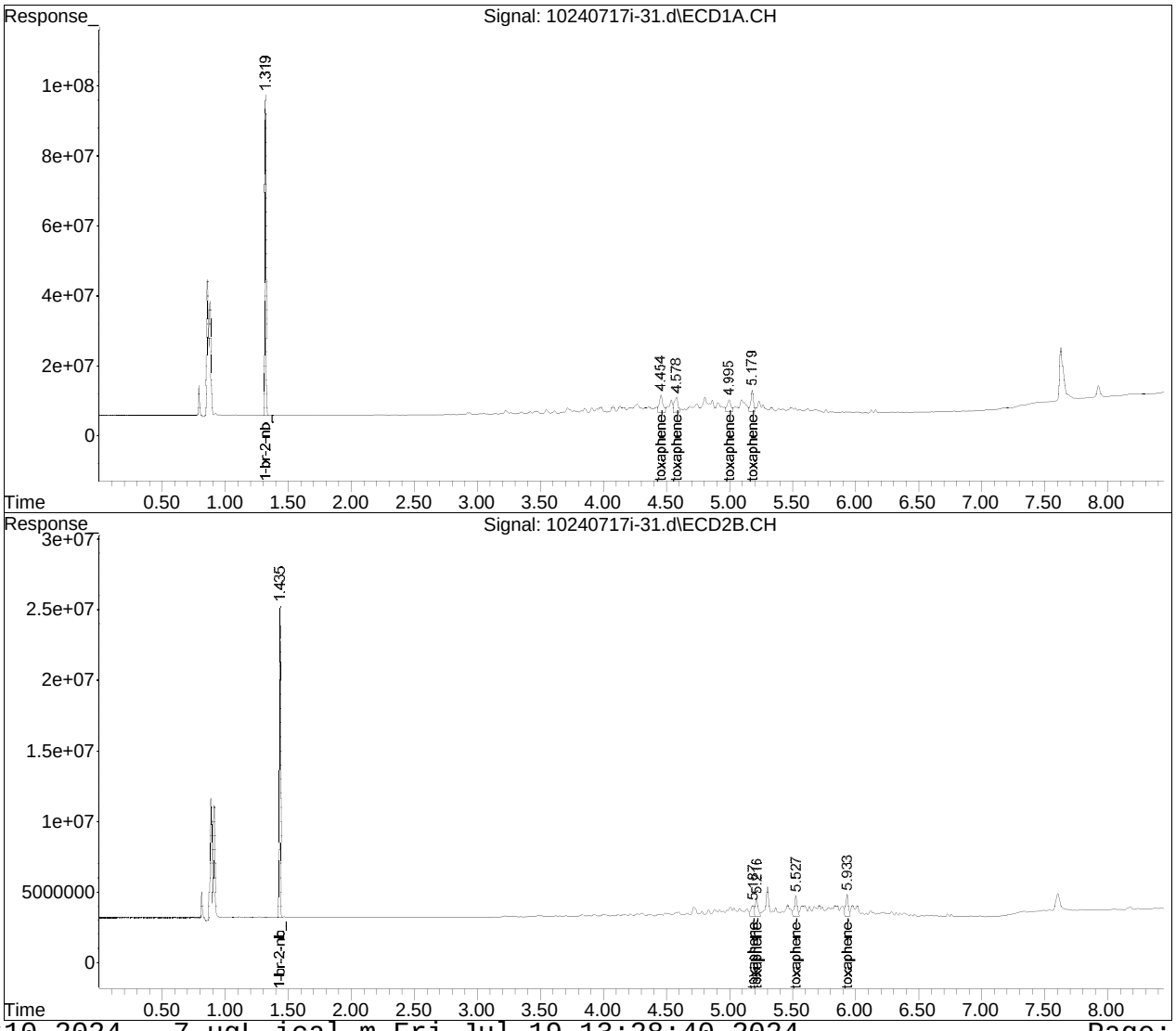
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:17 am
Operator : PEST10:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:23:35 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:23:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

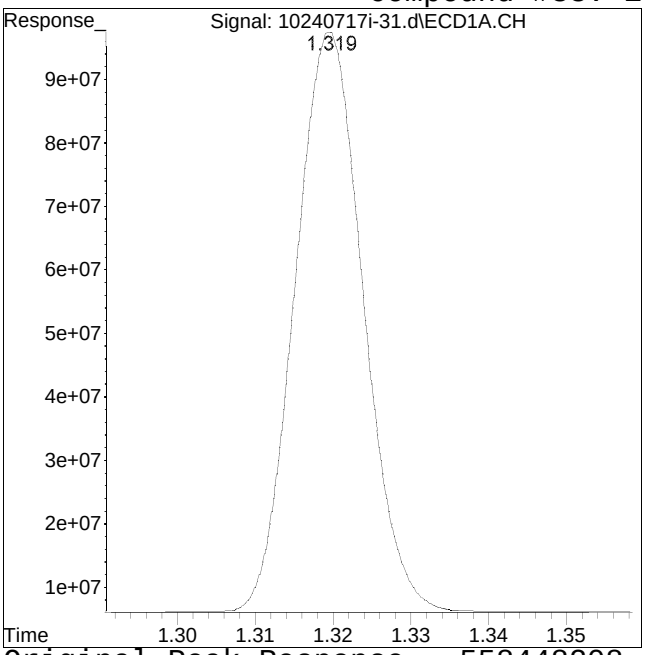
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

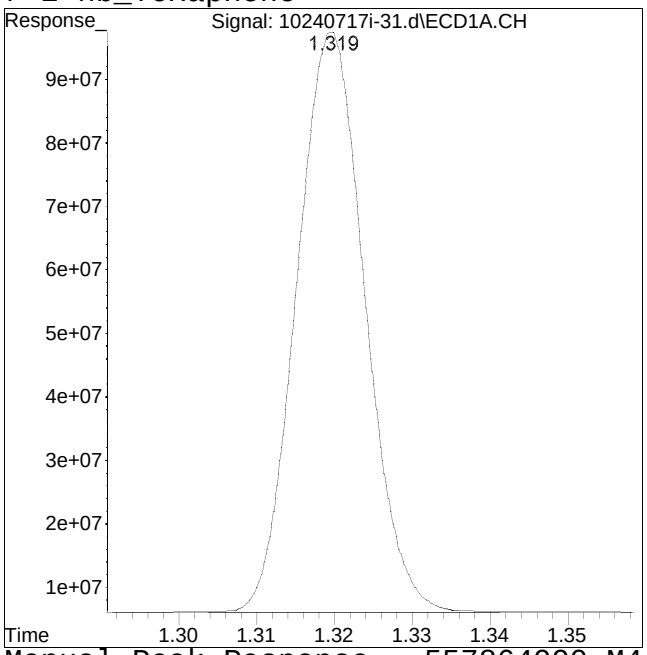


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-31.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:17 am Instrument : Pest 10
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/19/2024 12:23 pm

Compound #33: 1-br-2-nb_Toxaphene





Original Peak Response = 558448208 Manual Peak Response = 557864990 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:28 am
Operator : PEST10:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:21:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:21:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.318	1.435	550.8E6	128.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:28 am
Operator : PEST10:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:21:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:21:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.452	5.187	1045.0E6	117.4E6	681.008	708.531
35) l2	toxaphene-2	4.576	5.216	969.9E6	177.4E6	690.815	707.364
36) l2	toxaphene-4	4.993	5.527	852.7E6	210.4E6	686.085	728.781
37) l2	toxaphene-5	5.177	5.933	994.8E6	196.9E6	670.383	712.245
Sum	toxaphene-1			3862.4E6	702.1E6	2728.292	2856.920
Average	toxaphene-1					682.073	714.230

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			3862.4E6	702.1E6	2728.292	2856.920
Average	toxaphene-1					682.073	714.230

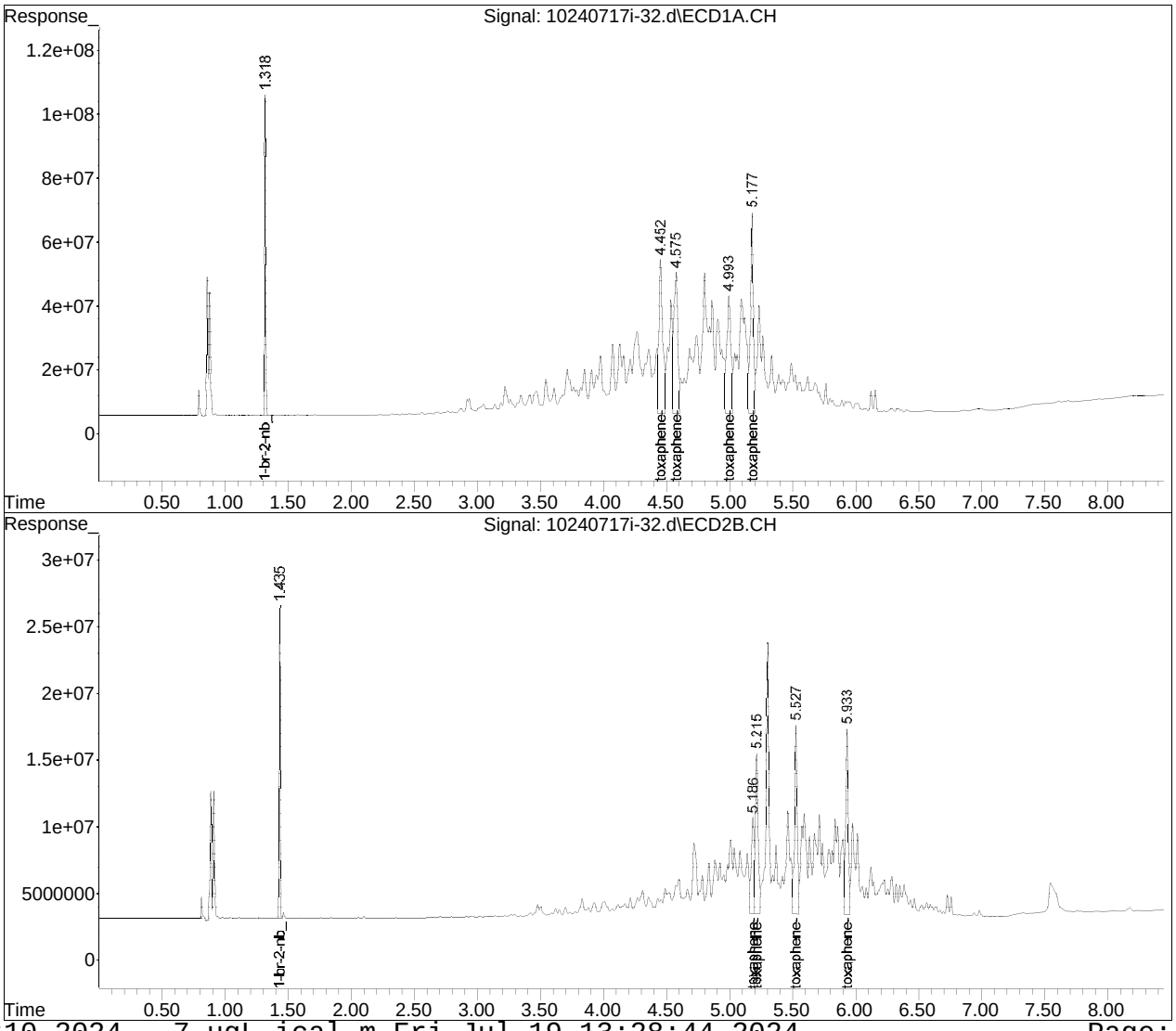
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:28 am
Operator : PEST10:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:21:31 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:21:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

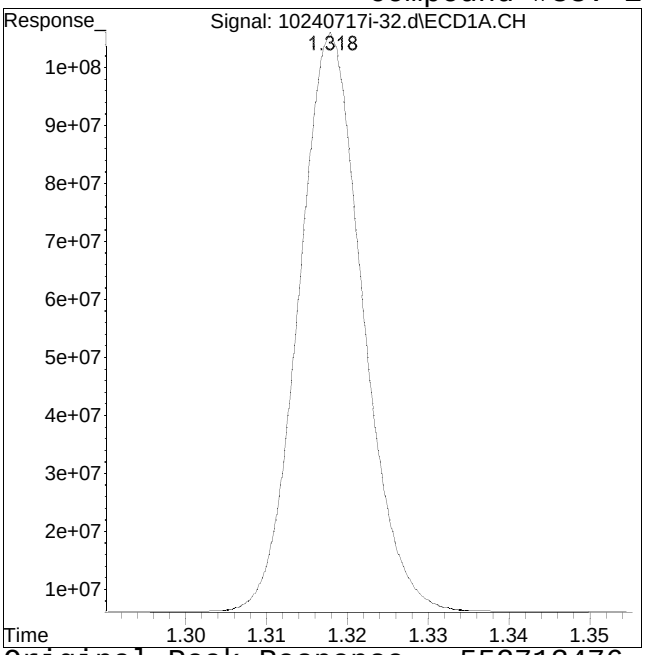
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

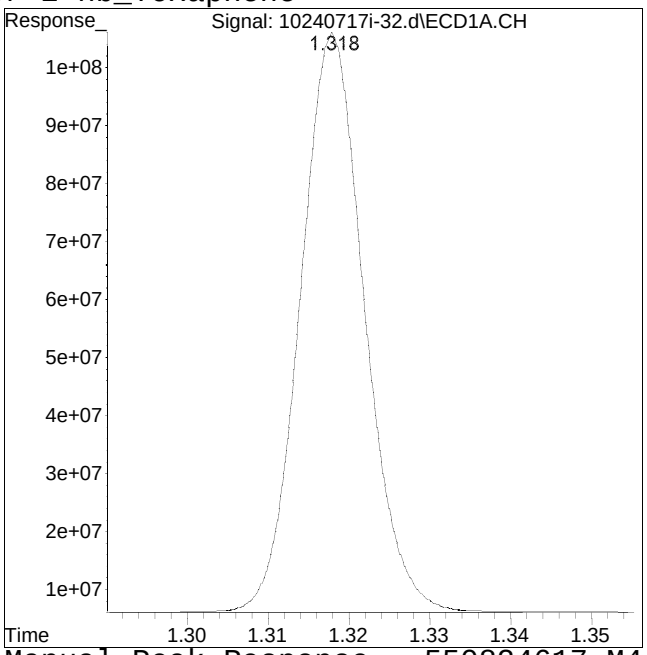


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-32.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:28 am Instrument : Pest 10
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 7/19/2024 12:21 pm

Compound #33: 1-br-2-nb_Toxaphene



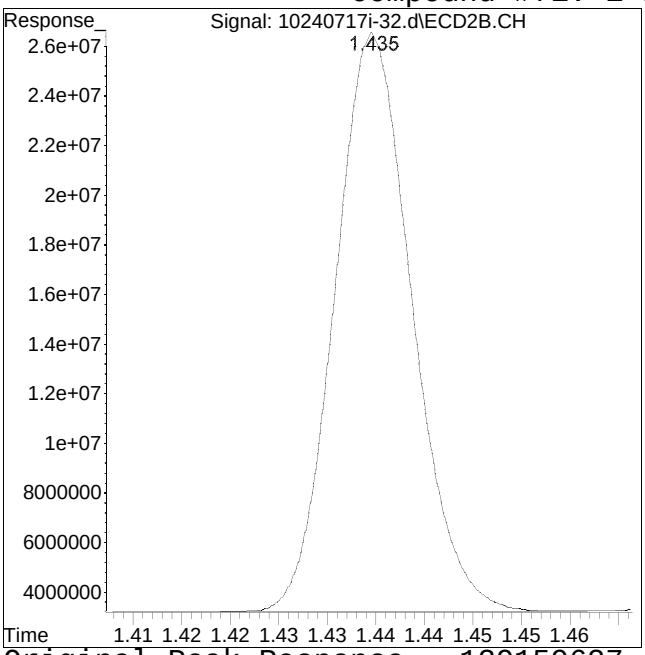


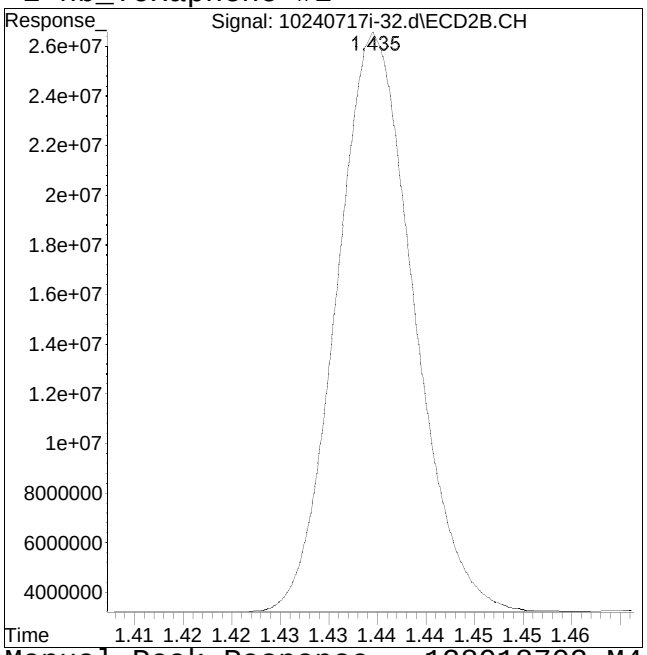
Original Peak Response = 552713476 Manual Peak Response = 550824617 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-32.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:28 am Instrument : Pest 10
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 7/19/2024 12:21 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 129159627 Manual Peak Response = 128918702 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:39 am
Operator : PEST10:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:16:32 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:16:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.318	1.435	568.7E6	129.0E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:39 am
Operator : PEST10:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:16:32 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:16:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.452	5.187	2076.3E6	249.0E6	1051.460	1195.909
35) l2	toxaphene-2	4.576	5.215	1972.9E6	371.6E6	1095.617	1181.167
36) l2	toxaphene-4	4.993	5.527	1755.9E6	440.9E6	1100.210	1221.621
37) l2	toxaphene-5	5.177	5.933	2047.1E6	403.7E6	1074.836	1170.967
Sum	toxaphene-1			7852.2E6	1465.3E6	4322.122	4769.664
Average	toxaphene-1					1080.531	1192.416

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			7852.2E6	1465.3E6	4322.122	4769.664
Average	toxaphene-1					1080.531	1192.416

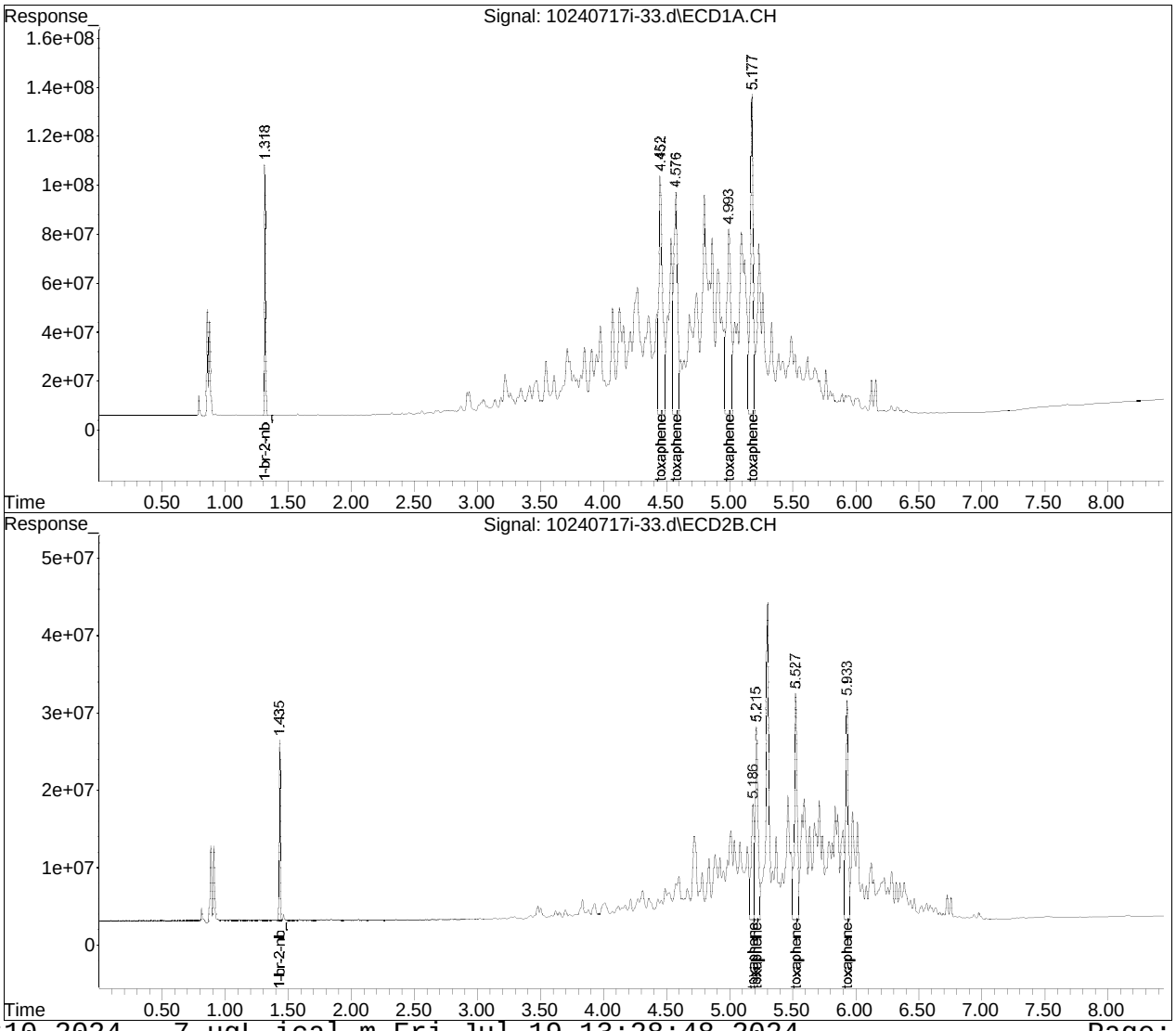
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:39 am
Operator : PEST10:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:16:32 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:16:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

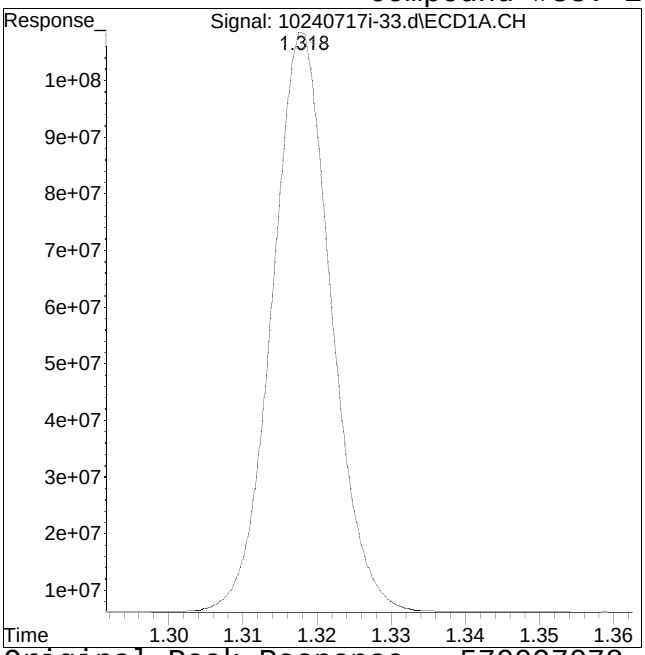
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

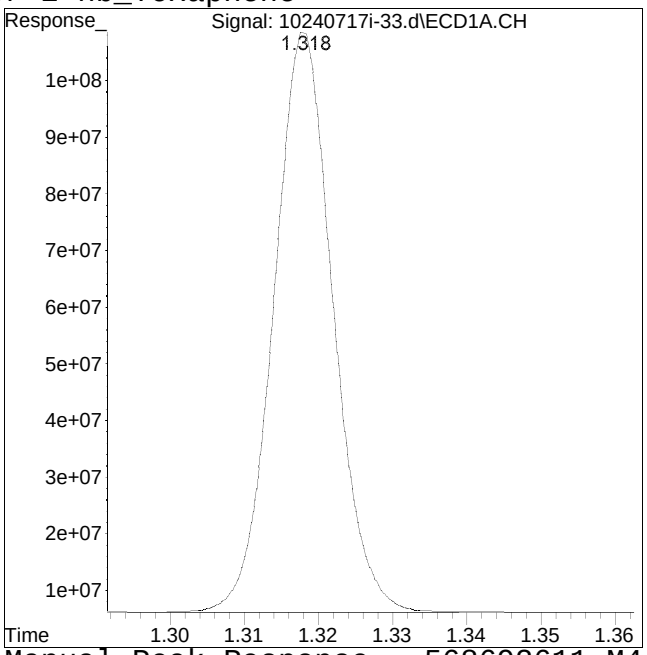


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-33.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:39 am Instrument : Pest 10
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 7/19/2024 12:16 pm

Compound #33: 1-br-2-nb_Toxaphene



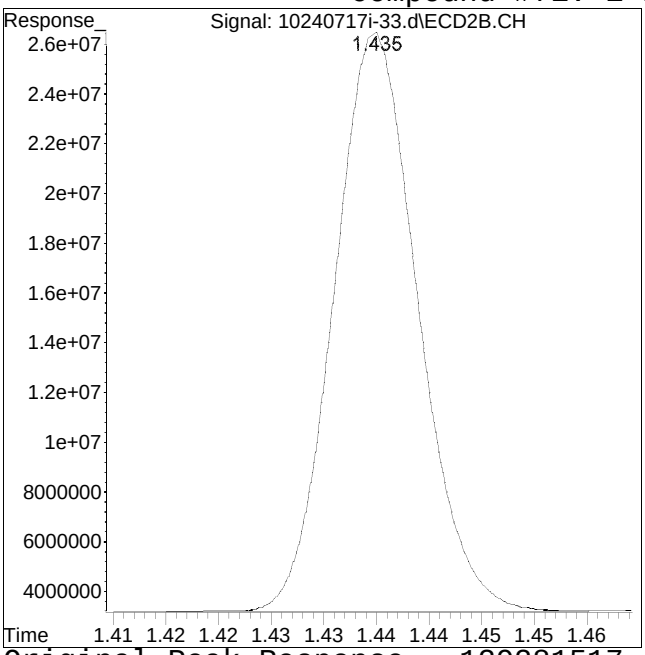


Original Peak Response = 570097078 Manual Peak Response = 568692611 M4
M4 = Poor automated baseline construction.

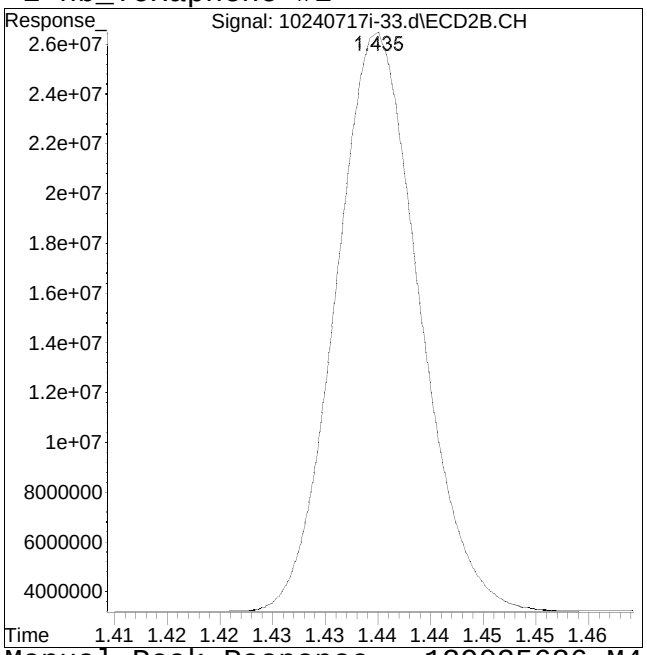
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-33.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:39 am Instrument : Pest 10
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 7/19/2024 12:16 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 129281517



Manual Peak Response = 129025636 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:50 am
Operator : PEST10:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:18:15 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:17:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.318	1.435	556.1E6	126.1E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:50 am
Operator : PEST10:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:18:15 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:17:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.452	5.186	5099.4E6	598.8E6	2915.902	3206.588
35) l2	toxaphene-2	4.577	5.215	4890.8E6	882.6E6	3048.456	3137.699
36) l2	toxaphene-4	4.994	5.527	4229.9E6	1056.1E6	2983.597	3255.282
37) l2	toxaphene-5	5.177	5.933	5032.3E6	960.6E6	2975.521	3118.778
Sum	toxaphene-1			19252.4E6	3498.0E6	11923.476	12718.347
Average	toxaphene-1					2980.869	3179.587

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			19252.4E6	3498.0E6	11923.476	12718.347
Average	toxaphene-1					2980.869	3179.587

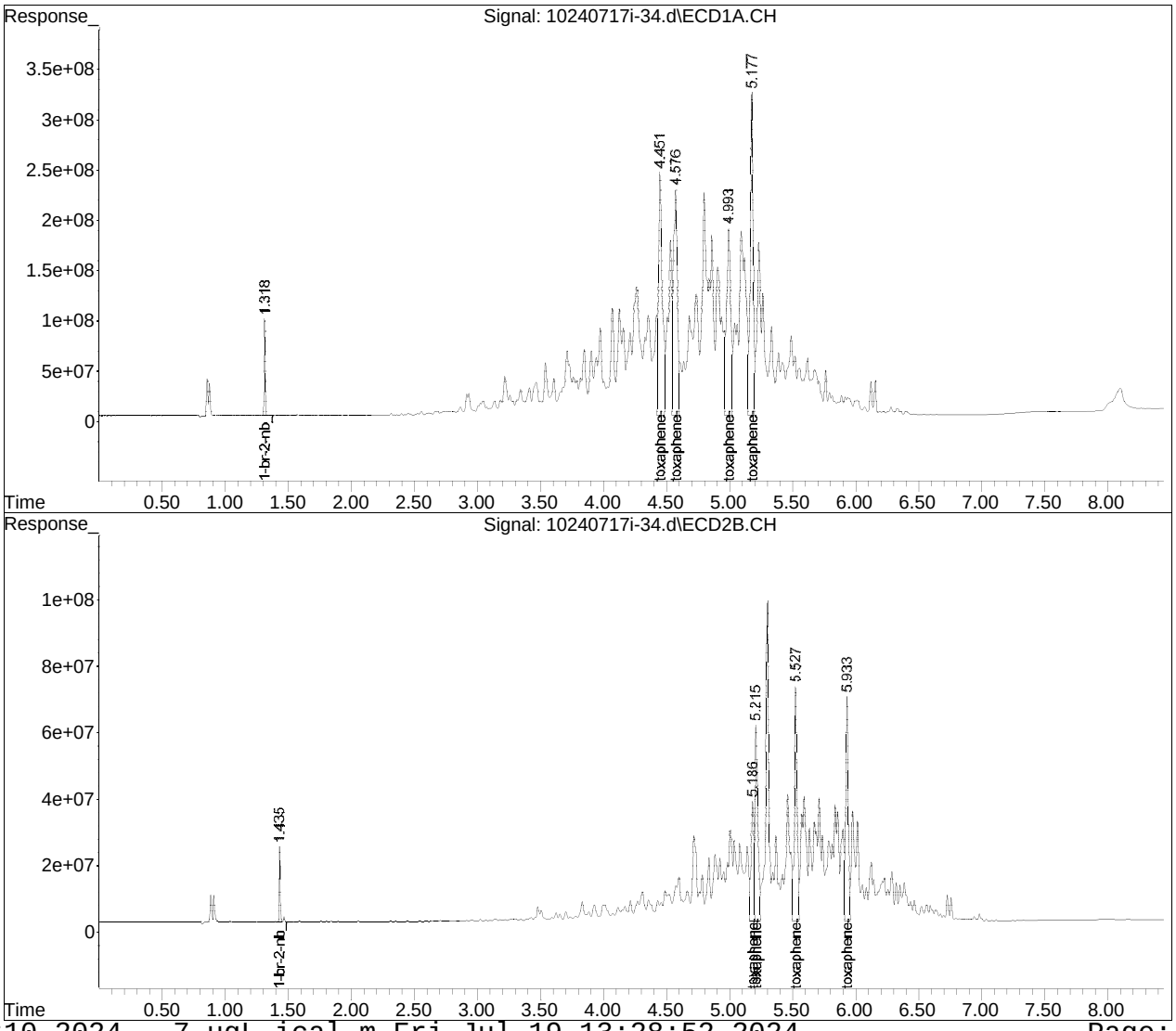
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 11:50 am
Operator : PEST10:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:18:15 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:17:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

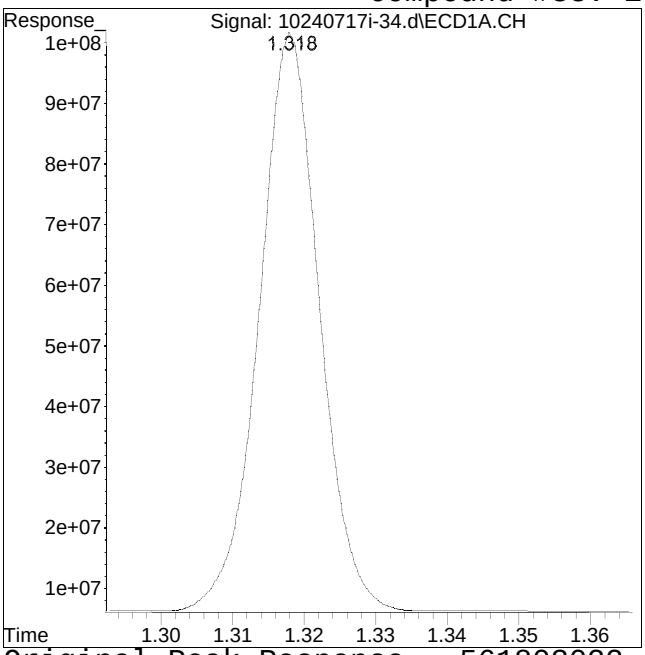
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



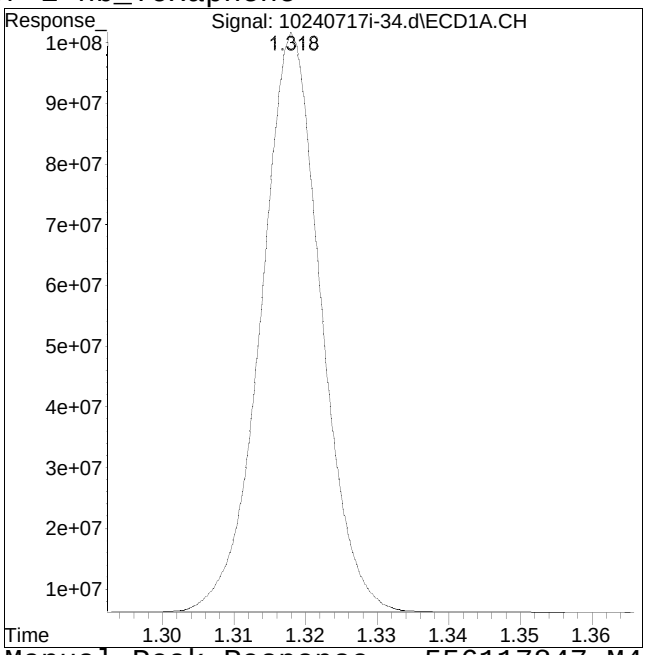
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-34.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:50 am Instrument : Pest 10
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 7/19/2024 12:18 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 561803022

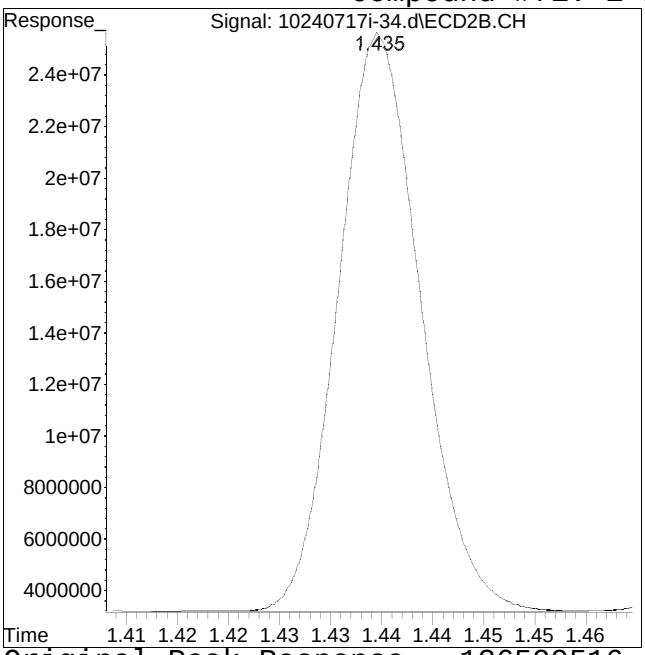


Manual Peak Response = 556117847 M4
M4 = Poor automated baseline construction.

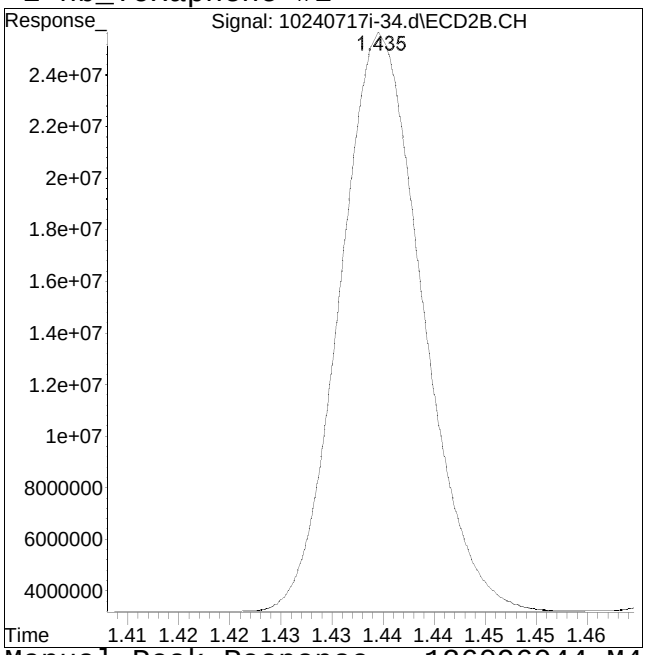
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-34.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 11:50 am Instrument : Pest 10
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 7/19/2024 12:18 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 126599516



Manual Peak Response = 126096044 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	104	0.00
34	l2	toxaphene-1		0.047	0.041	12.8	91	0.00
35	l2	toxaphene-2		0.043	0.038	11.6	89	0.00
36	l2	toxaphene-4		0.038	0.036	5.3	94	0.00
37	l2	toxaphene-5		0.045	0.040	11.1	91	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	98	0.00
34	l2	toxaphene-1		0.024	0.023	4.2	94	0.00
35	l2	toxaphene-2		0.036	0.034	5.6	92	0.00
36	l2	toxaphene-4		0.042	0.037	11.9	86	0.00
37	l2	toxaphene-5		0.042	0.037	11.9	92	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	0.000	100.0#	0#	-1.66#
3	t	Hexachlorobenzene		1.313	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.783	0.000	100.0#	0#	-1.97#
5	t	gamma-BHC (lindane)		1.679	0.000	100.0#	0#	-2.18#
6	t	beta-BHC		0.728	0.000	100.0#	0#	-2.23#
7	t	delta-BHC		1.688	0.000	100.0#	0#	-2.36#
8	t	Heptachlor		1.589	0.000	100.0#	0#	-2.52#
9	t	Aldrin		1.514	0.000	100.0#	0#	-2.77#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-2.89#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-2.98#
12	t	Heptachlor Epoxide		1.432	0.000	100.0#	0#	-3.31#
13	t	gamma-Chlordane (trans)		1.321	0.000	100.0#	0#	-3.43#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.515	0.000	100.0#	0#	-3.57#
15	t	4,4'-DDE		1.468	0.000	100.0#	0#	-3.67#
16	t	Endosulfan I		1.360	0.000	100.0#	0#	-3.71#
17	t	Dieldrin		1.420	0.000	100.0#	0#	-3.97#
18	t	Endrin		1.462	0.000	100.0#	0#	-4.22#
19	t	4,4'-DDD		1.196	0.000	100.0#	0#	-4.33#
20	t	Endosulfan II		1.299	0.000	100.0#	0#	-4.46#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		1.075	0.000	100.0#	0#	-4.88#
23	t	Methoxychlor		0.742	0.000	100.0#	0#	-5.11#
24	t	Mirex		1.139	0.000	100.0#	0#	-5.17#
25	t	Endosulfan Sulfate		1.253	0.000	100.0#	0#	-5.27#
26	t	Endrin Ketone		1.409	0.000	100.0#	0#	-5.50#
27	s	Decachlorobiphenyl		1.201	0.000	100.0#	0#	-6.30#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.32#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.46#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.52#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-2.88#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.44#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.44#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	0.000	100.0#	0#	-1.93#
3	t	Hexachlorobenzene		1.242	0.000	100.0#	0#	-2.26#
4	t	alpha-BHC		1.567	0.000	100.0#	0#	-2.36#
5	t	gamma-BHC (lindane)		1.478	0.000	100.0#	0#	-2.65#
6	t	beta-BHC		0.702	0.000	100.0#	0#	-2.71#
7	t	delta-BHC		1.492	0.000	100.0#	0#	-2.99#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.465	0.000	100.0#	0#	-3.06#
9	t	Aldrin		1.347	0.000	100.0#	0#	-3.38#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.26#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.62#
12	t	Heptachlor Epoxide		1.339	0.000	100.0#	0#	-4.01#
13	t	gamma-Chlordane (trans)		1.195	0.000	100.0#	0#	-4.23#
14	t	alpha-Chlordane (cis)		1.358	0.000	100.0#	0#	-4.40#
15	t	4,4'-DDE		1.288	0.000	100.0#	0#	-4.59#
16	t	Endosulfan I		1.260	0.000	100.0#	0#	-4.46#
17	t	Dieldrin		1.260	0.000	100.0#	0#	-4.74#
18	t	Endrin		1.288	0.000	100.0#	0#	-5.03#
19	t	4,4'-DDD		1.029	0.000	100.0#	0#	-5.15#
20	t	Endosulfan II		1.175	0.000	100.0#	0#	-5.23#
21	t	4,4'-DDT		1.136	0.000	100.0#	0#	-5.42#
22	t	Endrin Aldehyde		0.978	0.000	100.0#	0#	-5.52#
23	t	Methoxychlor		0.637	0.000	100.0#	0#	-5.98#
24	t	Mirex		1.032	0.000	100.0#	0#	-6.12#
25	t	Endosulfan Sulfate		1.132	0.000	100.0#	0#	-5.75#
26	t	Endrin Ketone		1.235	0.000	100.0#	0#	-6.16#
27	s	Decachlorobiphenyl		1.033	0.000	100.0#	0#	-7.01#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.43#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.92#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.54#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.23#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.40#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.318	1.435	575.2E6	127.1E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.452	5.187	1893.9E6	233.7E6	1765.223	1935.378
35) l2	toxaphene-2	4.577	5.216	1750.5E6	342.0E6	1758.247	1852.452
36) l2	toxaphene-4	4.993	5.527	1659.2E6	379.3E6	1884.365	1776.426
37) l2	toxaphene-5	5.177	5.933	1857.6E6	373.1E6	1776.748	1747.615
Sum	toxaphene-1			7161.2E6	1328.1E6	7184.582	7311.871
Average	toxaphene-1					1796.146	1827.968

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			7161.2E6	1328.1E6	7184.582	7311.871
Average	toxaphene-1					1796.146	1827.968

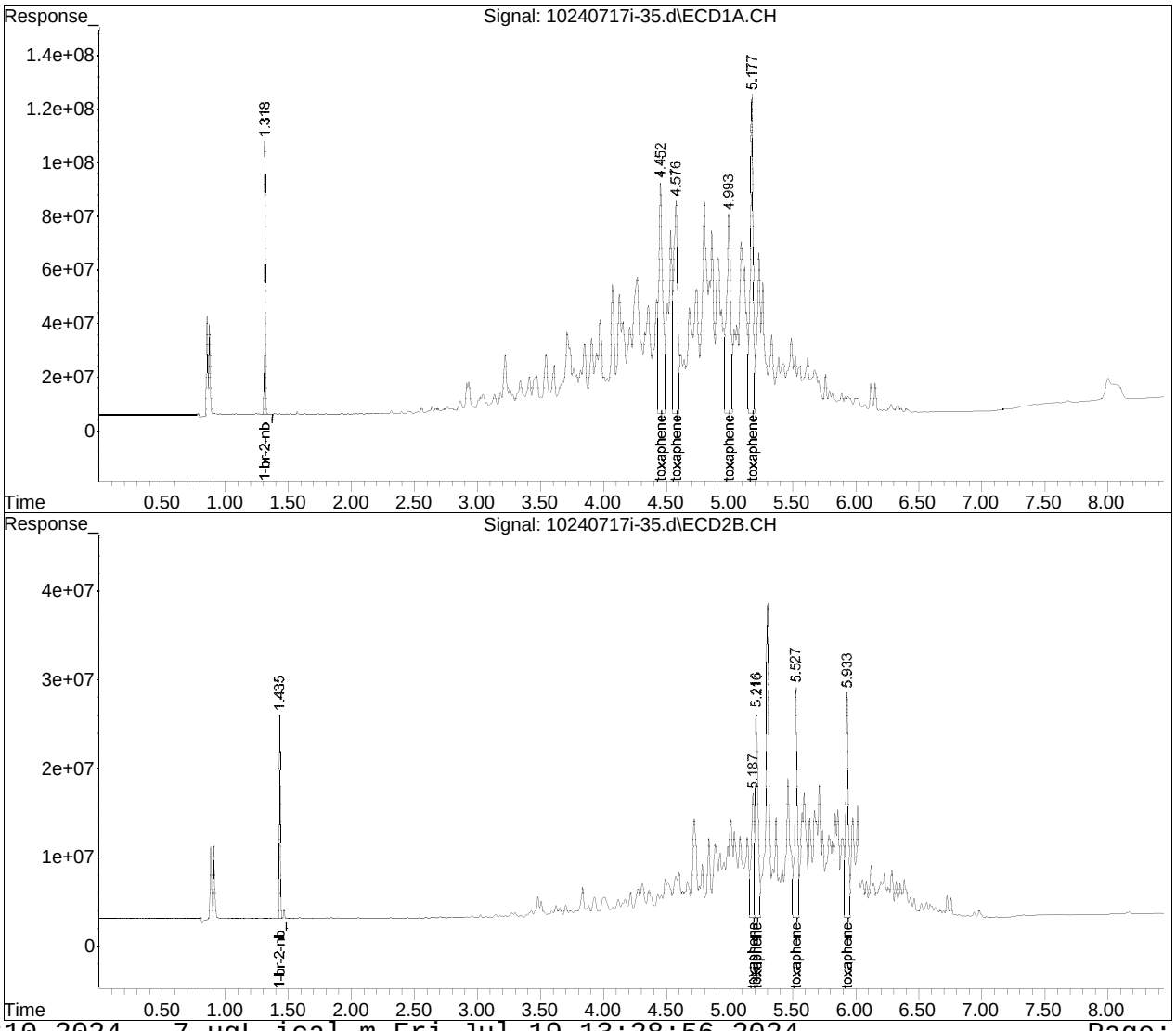
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240717ICAL\
Data File : 10240717i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2024 12:01 pm
Operator : PEST10:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1949071, (Sig #1); ,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 12:36:44 2024
Quant Method : I:\PEST\Pest10\2024\240717ICAL\pest10_2024_07_17_ugL_ical.m
Quant Title : pest
QLast Update : Fri Jul 19 12:34:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

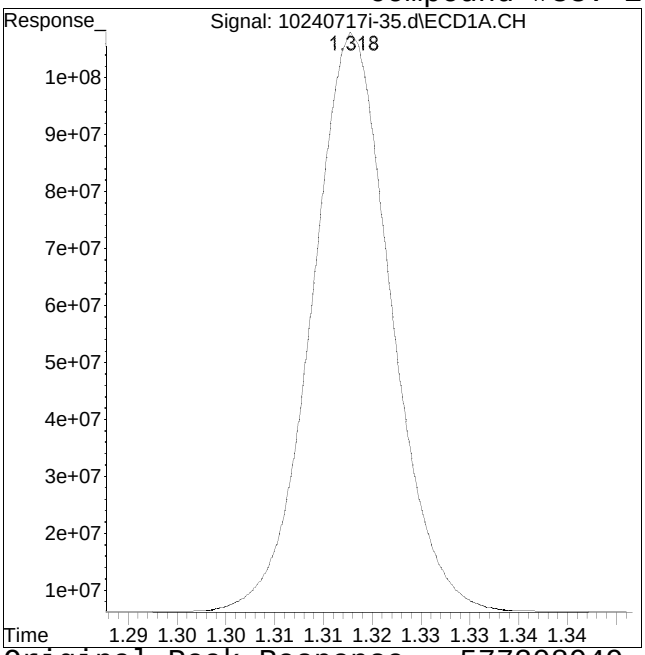
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



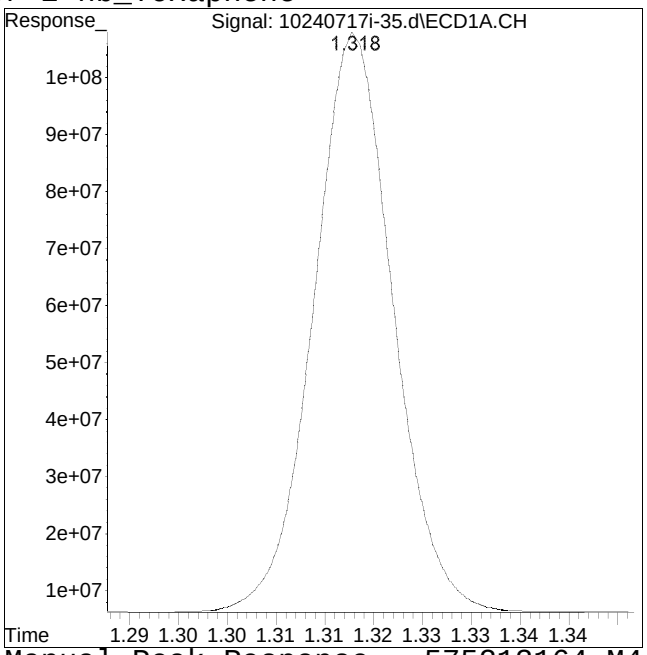
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-35.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 12:01 pm Instrument : Pest 10
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 7/19/2024 12:36 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 577308949



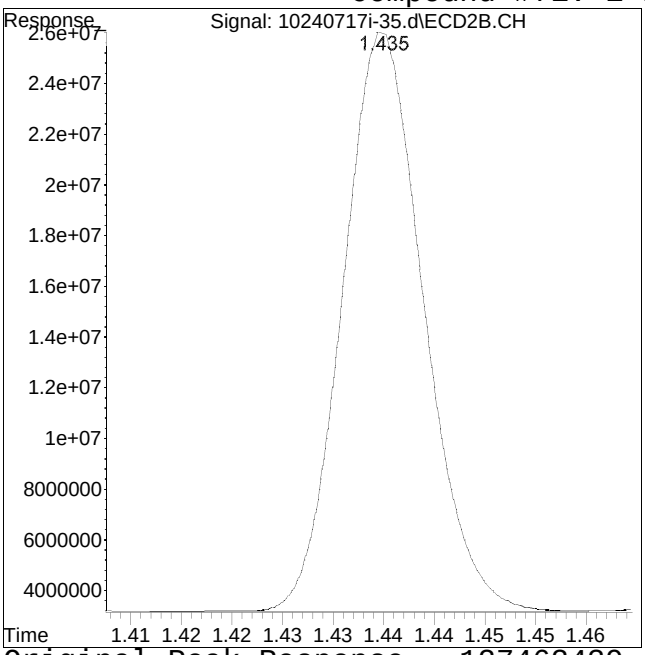
Manual Peak Response = 575213164 M4

M4 = Poor automated baseline construction.

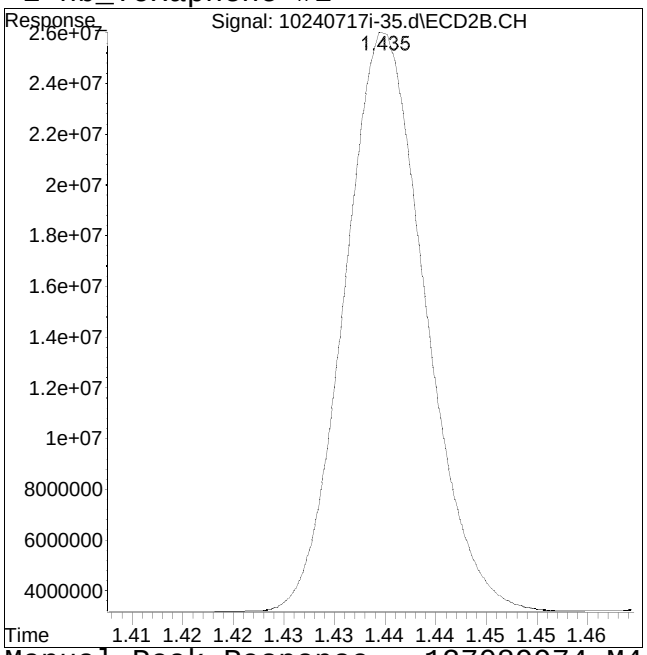
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240717QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240717i-35.d Operator : PEST10:peg
Date Inj'd : 7/19/2024 12:01 pm Instrument : Pest 10
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 7/19/2024 12:36 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 127462439



Manual Peak Response = 127089974 M4

M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 10

Method Path : I:\PEST\Pest10\2024\240717ICAL\
Method File : pest10_2024_07_17_ugL_ical.m
Title : pest
Last Update : Fri Jul 19 12:34:54 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
10	T Alachlor	L	ug/l	50.0	55.210	10.4	2.00	1.512	-24.4
11	T Chlorpyrifos	L	ug/l	50.0	51.574	3.1	2.00	1.781	-11.0
29	L1 chlordane-1	L	ug/l	1000.0	964.278	-3.6	10.00	9.882	-1.2
30	L1 chlordane-3	L	ug/l	1000.0	1013.129	1.3	10.00	9.271	-7.3
31	L1 chlordane-4	L	ug/l	1000.0	956.961	-4.3	10.00	8.391	-16.1
32	L1 chlordane-5	L	ug/l	1000.0	987.467	-1.3	10.00	10.313	3.1
48	T Alachlor #2	L	ug/l	50.0	55.960	11.9	2.00	1.587	-20.7
49	T Chlorpyrifos #2	L	ug/l	50.0	53.847	7.7	2.00	1.784	-10.8
67	L1 chlordane-1 #2	L	ug/l	1000.0	1010.155	1.0	10.00	9.114	-8.9
68	L1 chlordane-3 #2	L	ug/l	1000.0	999.008	-0.1	10.00	7.766	-22.3
69	L1 chlordane-4 #2	L	ug/l	1000.0	993.758	-0.6	10.00	10.230	2.3
70	L1 chlordane-5 #2	L	ug/l	1000.0	998.426	-0.2	10.00	10.000	0.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
10	T Alachlor	Linear	0.998373	0.000000	0.18228	0.0106633
11	T Chlorpyrifos	Linear	0.998301	0.000000	0.611153	0.0235962
29	L1 chlordane-1	Linear	0.999623	0.000000	0.0423124	0.0117508
30	L1 chlordane-3	Linear	0.998418	0.000000	0.0824237	0.0191244
31	L1 chlordane-4	Linear	0.998572	0.000000	0.0476935	0.0208062
32	L1 chlordane-5	Linear	0.999562	0.000000	0.190551	0.0215346
48	T Alachlor #2	Linear	0.997776	0.000000	0.191669	0.0113165
49	T Chlorpyrifos #2	Linear	0.999370	0.000000	0.617429	0.0313144
67	L1 chlordane-1 #2	Linear	0.999850	0.000000	0.038664	0.00442711
68	L1 chlordane-3 #2	Linear	0.998041	0.000000	0.0428554	0.0129385
69	L1 chlordane-4 #2	Linear	0.999838	0.000000	0.160496	0.00589676
70	L1 chlordane-5 #2	Linear	0.999818	0.000000	0.125	0.00889949

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 06:55	
Lab File ID	: 10240828a-03		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-1		**Init. Calib. Times**	: 12:09	11:50
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	142	0
2,4,5,6-Tetrachloro-m-xylen	1.237	1.096	-	11.4	20	129	0
Hexachlorobenzene	1.313	1.152	-	12.3	20	130	0
alpha-BHC	1.783	1.682	-	5.7	20	127	0
gamma-BHC (lindane)	1.679	1.509	-	10.1	20	126	0
beta-BHC	0.728	0.613	-	15.8	20	128	0
delta-BHC	1.688	1.468	-	13	20	120	0
Heptachlor	1.589	1.508	-	5.1	20	132	0
Aldrin	1.514	1.444	-	4.6	20	132	0
Alachlor	50	60.514	-	-21*	20	148	0
Chlorpyrifos	50	51.141	-	-2.3	20	134	0
Heptachlor Epoxide	1.432	1.331	-	7.1	20	131	0
gamma-Chlordane (trans)	1.321	1.399	-	-5.9	20	151	0
alpha-Chlordane (cis)	1.515	1.365	-	9.9	20	130	0
4,4'-DDE	1.468	1.346	-	8.3	20	125	0
Endosulfan I	1.36	1.272	-	6.5	20	132	0
Dieldrin	1.42	1.457	-	-2.6	20	142	0
Endrin	1.462	1.382	-	5.5	20	131	0
4,4'-DDD	1.196	1.149	-	3.9	20	134	0
Endosulfan II	1.299	1.222	-	5.9	20	133	0
4,4'-DDT	1.339	1.256	-	6.2	20	130	0
Endrin Aldehyde	1.075	0.863	-	19.7	20	113	0
Methoxychlor	0.742	0.629	-	15.2	20	124	0
Mirex	1.139	1.026	-	9.9	20	137	0
Endosulfan Sulfate	1.253	1.199	-	4.3	20	136	0
Endrin Ketone	1.409	1.381	-	2	20	137	0
Decachlorobiphenyl	1.201	1.022	-	14.9	20	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 06:55	
Lab File ID	: 10240828a-03		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-1		**Init. Calib. Times**	: 12:09	11:50
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	127	0
2,4,5,6-Tetrachloro-m-xyl	1.113	1.106	-	0.6	20	129	0
Hexachlorobenzene	1.242	1.187	-	4.4	20	129	0
alpha-BHC	1.567	1.64	-	-4.7	20	127	0
gamma-BHC (lindane)	1.478	1.489	-	-0.7	20	127	0
beta-BHC	0.702	0.64	-	8.8	20	126	0
delta-BHC	1.492	1.455	-	2.5	20	121	0
Heptachlor	1.465	1.531	-	-4.5	20	134	0
Aldrin	1.347	1.45	-	-7.6	20	135	0
Alachlor	50	56.725	-	-13.5	20	127	0
Chlorpyrifos	50	56.995	-	-14	20	133	0
Heptachlor Epoxide	1.339	1.366	-	-2	20	132	0
gamma-Chlordane (trans)	1.195	1.419	-	-18.7	20	155	0
alpha-Chlordane (cis)	1.358	1.404	-	-3.4	20	134	0
4,4'-DDE	1.288	1.376	-	-6.8	20	132	0
Endosulfan I	1.26	1.3	-	-3.2	20	133	0
Dieldrin	1.26	1.47	-	-16.7	20	146	0
Endrin	1.288	1.391	-	-8	20	134	0
4,4'-DDD	1.029	1.171	-	-13.8	20	141	0
Endosulfan II	1.175	1.266	-	-7.7	20	137	0
4,4'-DDT	1.136	1.252	-	-10.2	20	137	0
Endrin Aldehyde	0.978	0.893	-	8.7	20	116	0
Methoxychlor	0.637	0.662	-	-3.9	20	134	0
Mirex	1.032	1.044	-	-1.2	20	139	0
Endosulfan Sulfate	1.132	1.183	-	-4.5	20	137	0
Endrin Ketone	1.235	1.389	-	-12.5	20	141	0
Decachlorobiphenyl	1.033	1.032	-	0.1	20	134	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST10	**Calibration Date**	: 08/28/24 07:06
Lab File ID	: 10240828a-04	**Init. Calib. Date(s)**	: 07/17/24 07/19/24
Sample No	: WG1964824-2	**Init. Calib. Times**	: 12:09 11:50
Channel	: A		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	98	0
chlordane-1	1000	1638.405	-	-63.8*	20	162	0
chlordane-3	1000	1316.703	-	-31.7*	20	124	0
chlordane-4	1000	1586.864	-	-58.7*	20	158	0
chlordane-5	1000	1590.709	-	-59.1*	20	154	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 07:06	
Lab File ID	: 10240828a-04		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-2		**Init. Calib. Times**	: 12:09	11:50
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	130	0
chlordane-1	1000	1264.319	-	-26.4*	20	161	0
chlordane-3	1000	1188.513	-	-18.9	20	153	0
chlordane-4	1000	1253.962	-	-25.4*	20	163	0
chlordane-5	1000	1234.758	-	-23.5*	20	159	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 07:17	
Lab File ID	: 10240828a-05		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-3		**Init. Calib. Times**	: 12:09	11:50
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	108	0
toxaphene-1	0.047	0.059	-	-25.5*	20	135	0
toxaphene-2	0.043	0.055	-	-27.9*	20	133	0
toxaphene-4	0.038	0.052	-	-36.8*	20	141	0
toxaphene-5	0.045	0.057	-	-26.7*	20	133	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST10	**Calibration Date**	: 08/28/24 07:17
Lab File ID	: 10240828a-05	**Init. Calib. Date(s)**	: 07/17/24 07/19/24
Sample No	: WG1964824-3	**Init. Calib. Times**	: 12:09 11:50
Channel	: B		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	132	0
toxaphene-1	0.024	0.026	-	-8.3	20	142	0
toxaphene-2	0.036	0.039	-	-8.3	20	142	0
toxaphene-4	0.042	0.043	-	-2.4	20	133	0
toxaphene-5	0.042	0.042	-	0	20	142	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 13:39	
Lab File ID	: 10240828a-38		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-4		**Init. Calib. Times**	: 12:09	11:50
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	150	0
2,4,5,6-Tetrachloro-m-xylen	1.237	1.18	-	4.6	20	147	0
Hexachlorobenzene	1.313	1.244	-	5.3	20	149	0
alpha-BHC	1.783	1.824	-	-2.3	20	146	0
gamma-BHC (lindane)	1.679	1.639	-	2.4	20	146	0
beta-BHC	0.728	0.664	-	8.8	20	147	0
delta-BHC	1.688	1.602	-	5.1	20	139	0
Heptachlor	1.589	1.635	-	-2.9	20	152	0
Aldrin	1.514	1.557	-	-2.8	20	151	0
Alachlor	50	65.323	-	-30.6*	20	169	0
Chlorpyrifos	50	55.605	-	-11.2	20	154	0
Heptachlor Epoxide	1.432	1.427	-	0.3	20	149	0
gamma-Chlordane (trans)	1.321	1.508	-	-14.2	20	173	0
alpha-Chlordane (cis)	1.515	1.472	-	2.8	20	149	0
4,4'-DDE	1.468	1.46	-	0.5	20	144	0
Endosulfan I	1.36	1.359	-	0.1	20	150	0
Dieldrin	1.42	1.571	-	-10.6	20	163	0
Endrin	1.462	1.49	-	-1.9	20	149	0
4,4'-DDD	1.196	1.26	-	-5.4	20	156	0
Endosulfan II	1.299	1.334	-	-2.7	20	154	0
4,4'-DDT	1.339	1.338	-	0.1	20	147	0
Endrin Aldehyde	1.075	0.967	-	10	20	135	0
Methoxychlor	0.742	0.684	-	7.8	20	144	0
Mirex	1.139	1.098	-	3.6	20	155	0
Endosulfan Sulfate	1.253	1.296	-	-3.4	20	156	0
Endrin Ketone	1.409	1.501	-	-6.5	20	158	0
Decachlorobiphenyl	1.201	1.099	-	8.5	20	144	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 13:39	
Lab File ID	: 10240828a-38		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-4		**Init. Calib. Times**	: 12:09	11:50
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	147	0
2,4,5,6-Tetrachloro-m-xyl	1.113	1.098	-	1.3	20	148	0
Hexachlorobenzene	1.242	1.186	-	4.5	20	148	0
alpha-BHC	1.567	1.655	-	-5.6	20	148	0
gamma-BHC (lindane)	1.478	1.503	-	-1.7	20	147	0
beta-BHC	0.702	0.644	-	8.3	20	146	0
delta-BHC	1.492	1.475	-	1.1	20	141	0
Heptachlor	1.465	1.543	-	-5.3	20	156	0
Aldrin	1.347	1.452	-	-7.8	20	156	0
Alachlor	50	58.03	-	-16.1	20	150	0
Chlorpyrifos	50	56.851	-	-13.7	20	153	0
Heptachlor Epoxide	1.339	1.362	-	-1.7	20	152	0
gamma-Chlordane (trans)	1.195	1.423	-	-19.1	20	179	0
alpha-Chlordane (cis)	1.358	1.406	-	-3.5	20	155	0
4,4'-DDE	1.288	1.387	-	-7.7	20	154	0
Endosulfan I	1.26	1.308	-	-3.8	20	155	0
Dieldrin	1.26	1.477	-	-17.2	20	169	0
Endrin	1.288	1.396	-	-8.4	20	154	0
4,4'-DDD	1.029	1.184	-	-15.1	20	164	0
Endosulfan II	1.175	1.266	-	-7.7	20	159	0
4,4'-DDT	1.136	1.268	-	-11.6	20	159	0
Endrin Aldehyde	0.978	0.92	-	5.9	20	138	0
Methoxychlor	0.637	0.669	-	-5	20	156	0
Mirex	1.032	1.034	-	-0.2	20	158	0
Endosulfan Sulfate	1.132	1.196	-	-5.7	20	159	0
Endrin Ketone	1.235	1.405	-	-13.8	20	165	0
Decachlorobiphenyl	1.033	1.015	-	1.7	20	151	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 13:50	
Lab File ID	: 10240828a-39		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-5		**Init. Calib. Times**	: 12:09	11:50
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	121	0
chlordane-1	1000	960.328	-	4	20	118	0
chlordane-3	1000	774.903	-	22.5*	20	91	0
chlordane-4	1000	989.433	-	1.1	20	123	0
chlordane-5	1000	952.127	-	4.8	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: PEST10		**Calibration Date**	: 08/28/24 13:50	
Lab File ID	: 10240828a-39		**Init. Calib. Date(s)**	: 07/17/24	07/19/24
Sample No	: WG1964824-5		**Init. Calib. Times**	: 12:09	11:50
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	122	0
chlordane-1	1000	979.797	-	2	20	118	0
chlordane-3	1000	1035.096	-	-3.5	20	126	0
chlordane-4	1000	991.092	-	0.9	20	121	0
chlordane-5	1000	983.344	-	1.7	20	120	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   6:55
Operator : PEST10:peg
Sample   : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	142	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	1.096	11.4	129	0.00
3	t	Hexachlorobenzene		1.313	1.152	12.3	130	0.00
4	t	alpha-BHC		1.783	1.682	5.7	127	0.00
5	t	gamma-BHC (lindane)		1.679	1.509	10.1	126	0.00
6	t	beta-BHC		0.728	0.613	15.8	128	0.00
7	t	delta-BHC		1.688	1.468	13.0	120	0.00
8	t	Heptachlor		1.589	1.508	5.1	132	0.00
9	t	Aldrin		1.514	1.444	4.6	132	0.00
10	t	Alachlor	*	50.000	60.514	-21.0#	148	0.00
11	t	Chlorpyrifos	*	50.000	51.141	-2.3	134	0.00
12	t	Heptachlor Epoxide		1.432	1.331	7.1	131	0.00
13	t	gamma-Chlordane (trans)		1.321	1.399	-5.9	151#	0.00
14	t	alpha-Chlordane (cis)		1.515	1.365	9.9	130	0.00
15	t	4,4'-DDE		1.468	1.346	8.3	125	0.00
16	t	Endosulfan I		1.360	1.272	6.5	132	0.00
17	t	Dieldrin		1.420	1.457	-2.6	142	0.00
18	t	Endrin		1.462	1.382	5.5	131	0.00
19	t	4,4'-DDD		1.196	1.149	3.9	134	0.00
20	t	Endosulfan II		1.299	1.222	5.9	133	0.00
21	t	4,4'-DDT		1.339	1.256	6.2	130	0.00
22	t	Endrin Aldehyde		1.075	0.863	19.7	113	0.00
23	t	Methoxychlor		0.742	0.629	15.2	124	0.00
24	t	Mirex		1.139	1.026	9.9	137	0.00
25	t	Endosulfan Sulfate		1.253	1.199	4.3	136	0.00
26	t	Endrin Ketone		1.409	1.381	2.0	137	0.00
27	s	Decachlorobiphenyl		1.201	1.022	14.9	126	0.00

Signal #2

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   6:55
Operator : PEST10:peg
Sample   : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	127	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	1.106	0.6	129	0.00
3	t	Hexachlorobenzene		1.242	1.187	4.4	129	0.00
4	t	alpha-BHC		1.567	1.640	-4.7	127	0.00
5	t	gamma-BHC (lindane)		1.478	1.489	-0.7	127	0.00
6	t	beta-BHC		0.702	0.640	8.8	126	0.00
7	t	delta-BHC		1.492	1.455	2.5	121	0.00
8	t	Heptachlor		1.465	1.531	-4.5	134	0.00
9	t	Aldrin		1.347	1.450	-7.6	135	0.00
10	t	Alachlor	*	50.000	56.725	-13.5	127	0.00
11	t	Chlorpyrifos	*	50.000	56.995	-14.0	133	0.00
12	t	Heptachlor Epoxide		1.339	1.366	-2.0	132	0.00
13	t	gamma-Chlordane (trans)		1.195	1.419	-18.7	155#	0.00
14	t	alpha-Chlordane (cis)		1.358	1.404	-3.4	134	0.00
15	t	4,4'-DDE		1.288	1.376	-6.8	132	0.00
16	t	Endosulfan I		1.260	1.300	-3.2	133	0.00
17	t	Dieldrin		1.260	1.470	-16.7	146	0.00
18	t	Endrin		1.288	1.391	-8.0	134	0.00
19	t	4,4'-DDD		1.029	1.171	-13.8	141	0.00
20	t	Endosulfan II		1.175	1.266	-7.7	137	0.00
21	t	4,4'-DDT		1.136	1.252	-10.2	137	0.00
22	t	Endrin Aldehyde		0.978	0.893	8.7	116	0.00
23	t	Methoxychlor		0.637	0.662	-3.9	134	0.00
24	t	Mirex		1.032	1.044	-1.2	139	0.00
25	t	Endosulfan Sulfate		1.132	1.183	-4.5	137	0.00
26	t	Endrin Ketone		1.235	1.389	-12.5	141	0.00
27	s	Decachlorobiphenyl		1.033	1.032	0.1	134	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   6:55
Operator : PEST10:peg
Sample   : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.26#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.38#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.44#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-2.79#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.33#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.35#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.47#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.90#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.09#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.85#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.46#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.15#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.32#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.12#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.47#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.87#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:55
Operator : PEST10:peg
Sample : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.263	1.387	712.1E6	150.5E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.599	1.870	1561.4E6	333.0E6	44.329M3	49.683
	Spiked Amount 50.000	Range 30 - 150		Recovery =		88.66%	99.37%
27) s	Decachlorobi	6.228	6.958	1455.0E6	310.7E6	42.525M4	49.946
	Spiked Amount 50.000	Range 30 - 150		Recovery =		85.05%	99.89%
	Target Compounds						
3) t	Hexachlorobe	1.808	2.195	1641.2E6	357.5E6	43.877	47.789
4) t	alpha-BHC	1.905	2.292	2396.1E6	493.9E6	47.189	52.330
5) t	gamma-BHC (l	2.102	2.581	2149.1E6	448.2E6	44.927	50.362
6) t	beta-BHC	2.157	2.646	872.9E6	192.8E6	42.114	45.590
7) t	delta-BHC	2.283	2.915	2090.4E6	438.2E6	43.465	48.780
8) t	Heptachlor	2.441	2.982	2148.0E6	460.9E6	47.452	52.255
9) t	Aldrin	2.678	3.304	2057.0E6	436.5E6	47.686	53.820
10) t	Alachlor	2.798	3.186	321.8E6	67172350	60.514	56.725
11) t	Chlorpyrifos	2.888	3.542	907.1E6	216.6E6	51.141M3	56.995
12) t	Heptachlor E	3.212	3.924	1895.5E6	411.1E6	46.470	51.004
13) t	gamma-Chlord	3.334	4.146	1992.1E6	427.1E6	52.953	59.369
14) t	alpha-Chlord	3.465	4.316	1943.7E6	422.8E6	45.057	51.704
15) t	4,4'-DDE	3.562	4.512	1916.5E6	414.4E6	45.818M2	53.443
16) t	Endosulfan I	3.600	4.376	1811.1E6	391.5E6	46.751	51.589
17) t	Dieldrin	3.855	4.667	2075.6E6	442.5E6	51.317	58.309
18) t	Endrin	4.107	4.964	1968.6E6	418.9E6	47.265	54.027
19) t	4,4'-DDD	4.224	5.084	1636.1E6	352.7E6	48.025	56.947

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:55
Operator : PEST10:peg
Sample : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
20) t	Endosulfan I	4.356	5.161	1740.2E6	381.1E6	47.025M4	53.878
21) t	4,4'-DDT	4.527	5.361	1789.3E6	377.0E6	46.898	55.134
22) t	Endrin Aldeh	4.784	5.458	1228.8E6	268.9E6	40.120	45.669
23) t	Methoxychlor	5.027	5.925	895.9E6	199.2E6	42.398	51.927
24) t	Mirex	5.077	6.063	1461.4E6	314.2E6	45.039	50.556M2
25) t	Endosulfan S	5.185	5.686	1707.4E6	356.2E6	47.849	52.237
26) t	Endrin Keton	5.415	6.098	1966.6E6	418.1E6	49.013	56.216
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

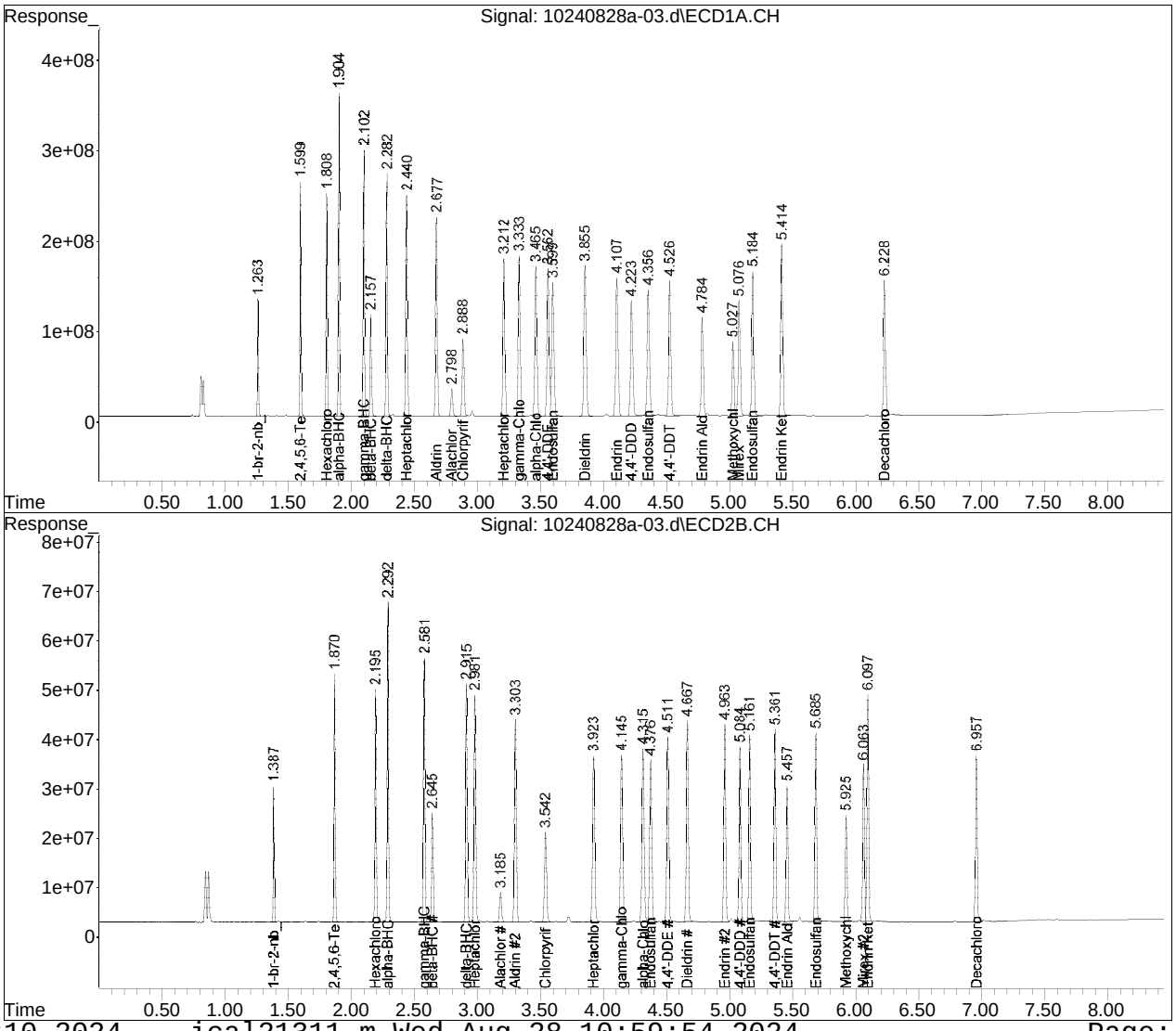
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:55
Operator : PEST10:peg
Sample : wg1964824-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:23:29 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

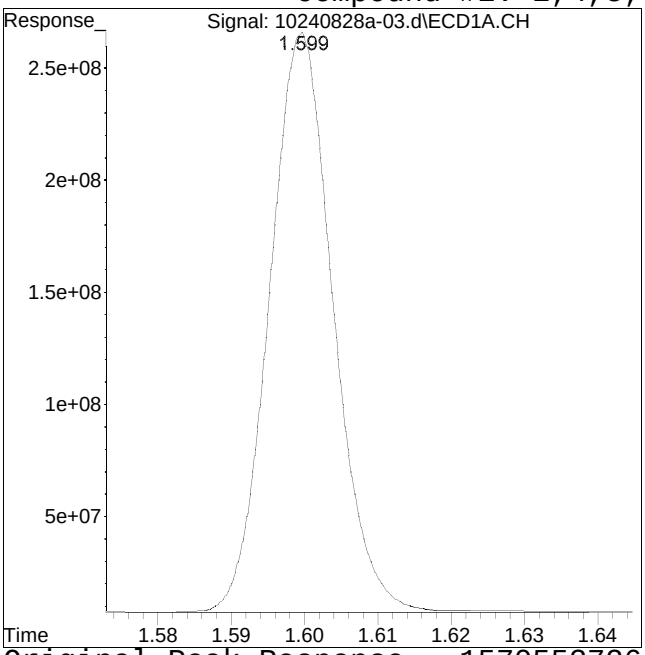
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

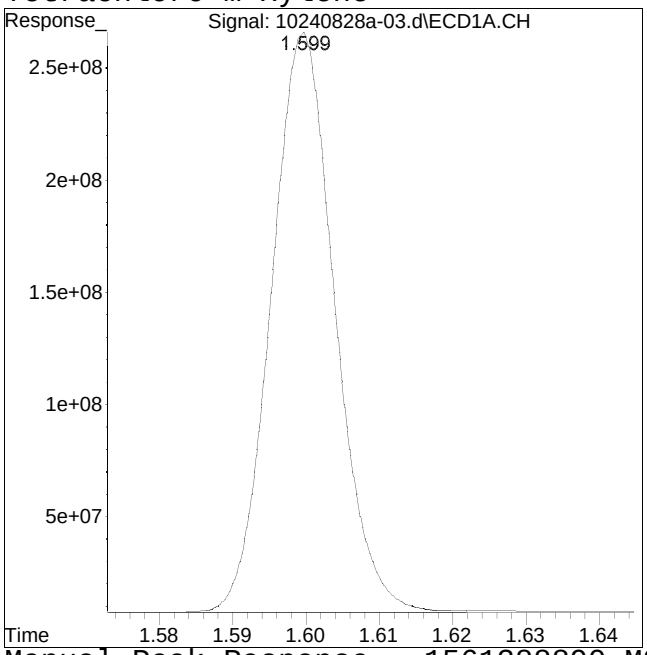


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



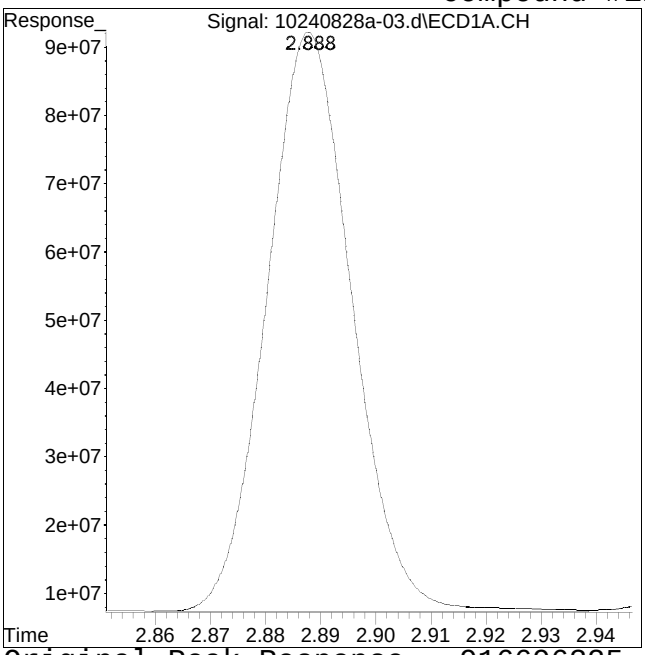


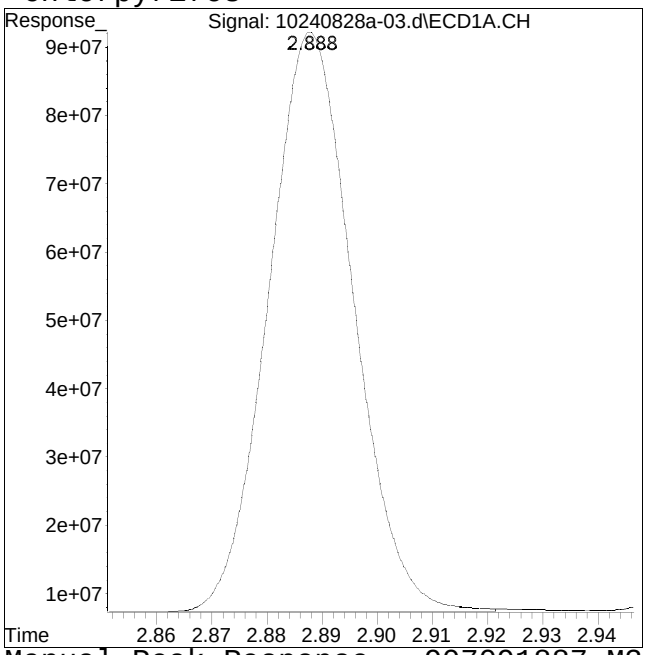
Original Peak Response = 1570553726 Manual Peak Response = 1561388890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #11: Chlorpyrifos



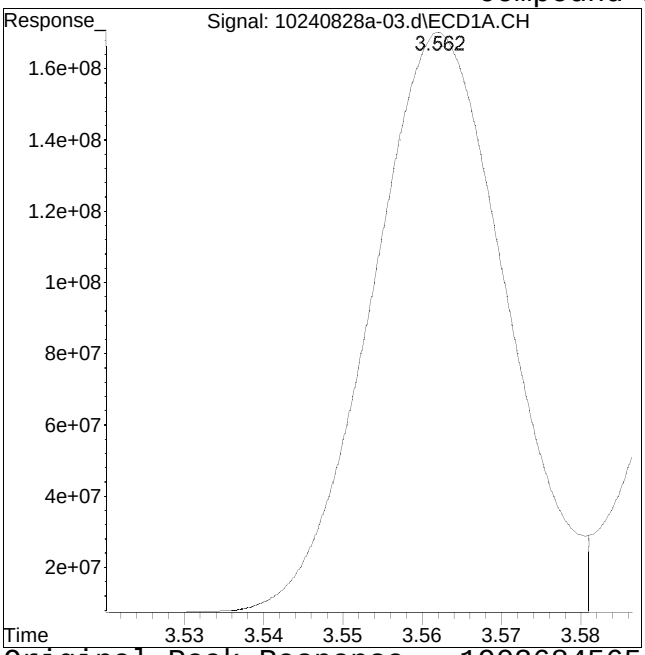


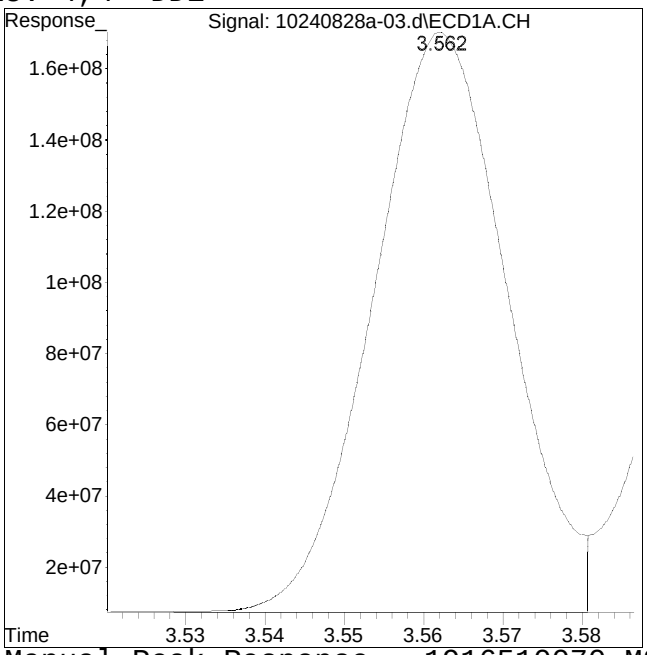
Original Peak Response = 916696325 Manual Peak Response = 907091887 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #15: 4,4'-DDE



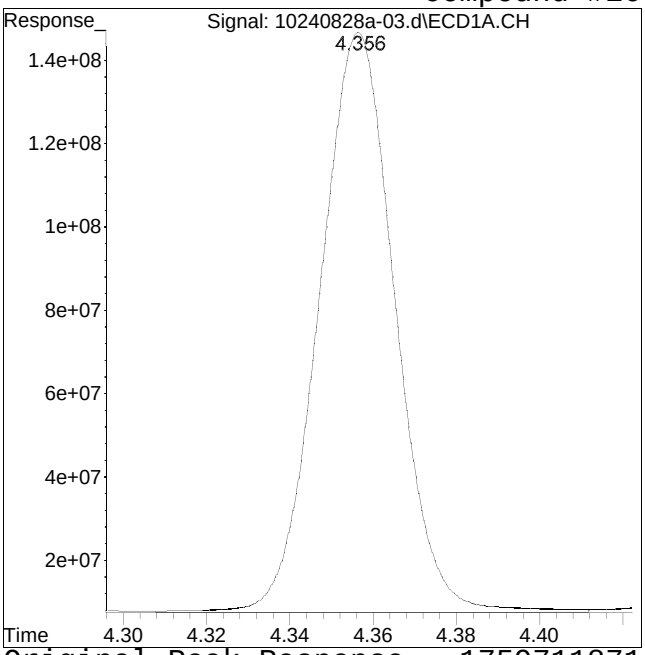


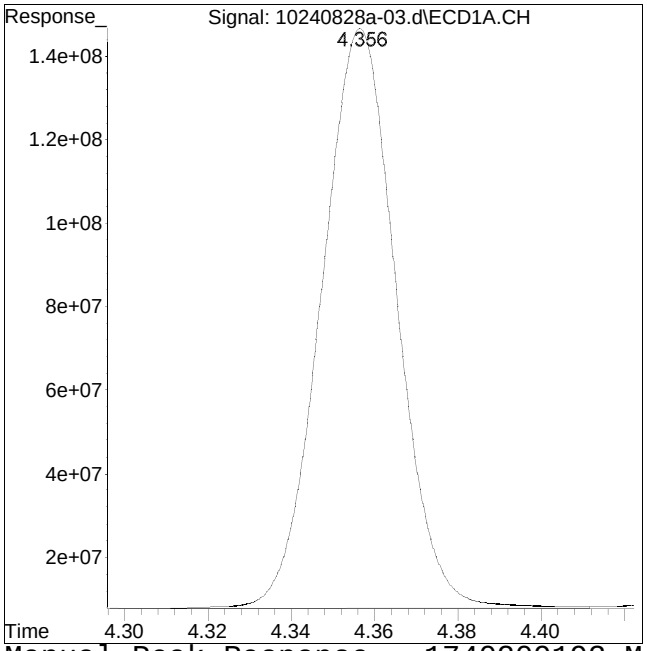
Original Peak Response = 1903684565 Manual Peak Response = 1916510070 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #20: Endosulfan II



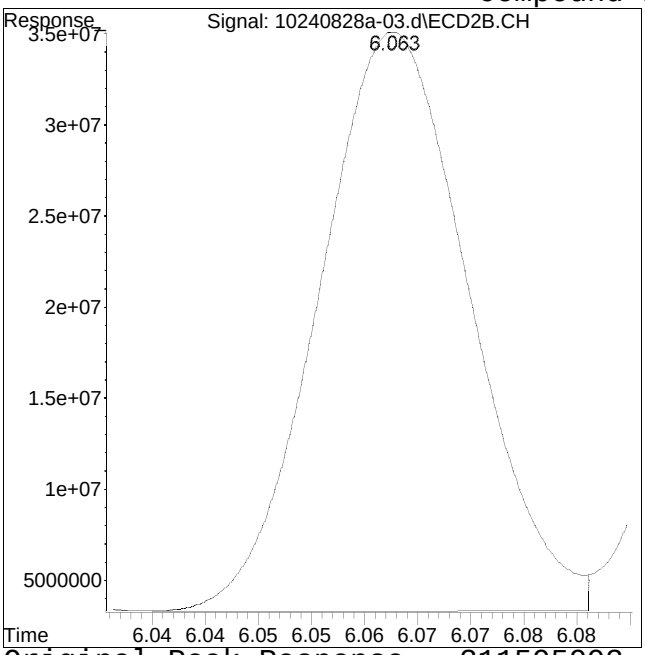


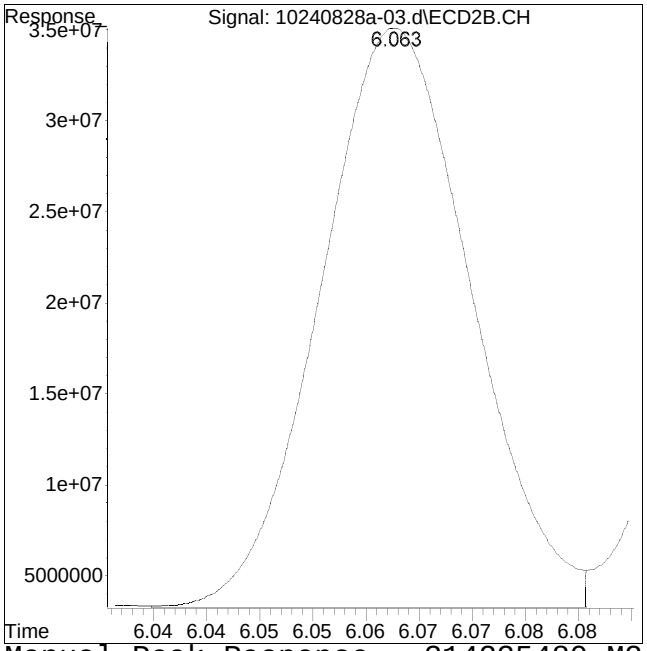
Original Peak Response = 1759711871 Manual Peak Response = 1740209193 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #62: Mirex #2



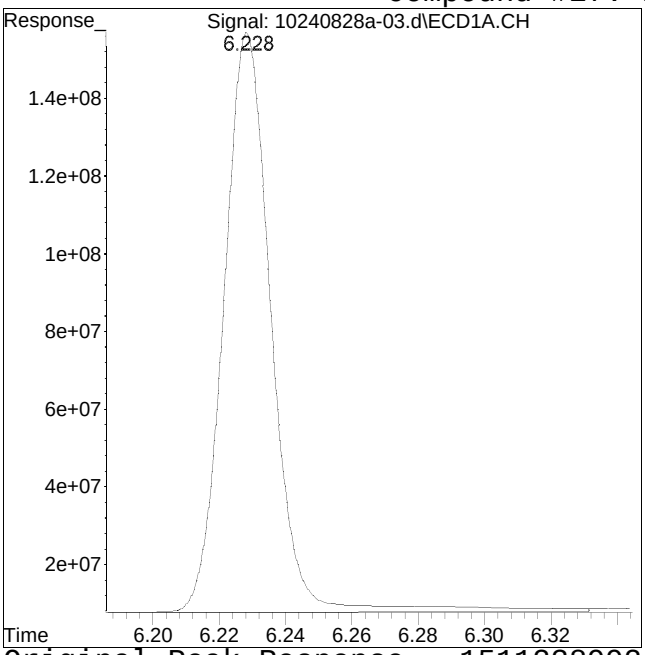


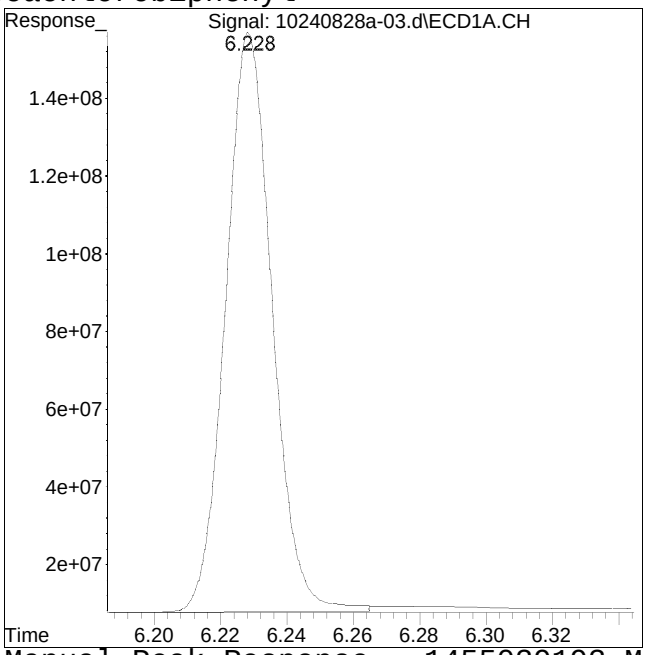
Original Peak Response = 311595993 Manual Peak Response = 314235480 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-03.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:55 Instrument : Pest 10
Sample : wg1964824-1,42,,pest11675 Quant Date : 8/28/2024 7:23 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 1511238992 Manual Peak Response = 1455039193 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   7:06
Operator : PEST10:peg
Sample   : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	98	0.00
29	l1	chlordane-1		*1000.000	1638.405	-63.8#	162	0.00
30	l1	chlordane-3		*1000.000	1316.703	-31.7#	124	0.00
31	l1	chlordane-4		*1000.000	1586.864	-58.7#	158	0.00
32	l1	chlordane-5		*1000.000	1590.709	-59.1#	154	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	130	0.00
29	l1	chlordane-1		*1000.000	1264.319	-26.4#	161	0.00
30	l1	chlordane-3		*1000.000	1188.513	-18.9	153	0.00
31	l1	chlordane-4		*1000.000	1253.962	-25.4#	163	0.00
32	l1	chlordane-5		*1000.000	1234.758	-23.5#	159	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.26#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	0.000	100.0#	0#	-1.60#
3	t	Hexachlorobenzene		1.313	0.000	100.0#	0#	-1.81#
4	t	alpha-BHC		1.783	0.000	100.0#	0#	-1.90#
5	t	gamma-BHC (lindane)		1.679	0.000	100.0#	0#	-2.10#
6	t	beta-BHC		0.728	0.000	100.0#	0#	-2.16#
7	t	delta-BHC		1.688	0.000	100.0#	0#	-2.28#
8	t	Heptachlor		1.589	0.000	100.0#	0#	-2.44#
9	t	Aldrin		1.514	0.000	100.0#	0#	-2.68#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-2.80#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-2.89#
12	t	Heptachlor Epoxide		1.432	0.000	100.0#	0#	-3.21#
13	t	gamma-Chlordane (trans)		1.321	0.000	100.0#	0#	-3.33#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   7:06
Operator : PEST10:peg
Sample   : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.515	0.000	100.0#	0#	-3.47#
15	t	4,4'-DDE		1.468	0.000	100.0#	0#	-3.56#
16	t	Endosulfan I		1.360	0.000	100.0#	0#	-3.60#
17	t	Dieldrin		1.420	0.000	100.0#	0#	-3.86#
18	t	Endrin		1.462	0.000	100.0#	0#	-4.11#
19	t	4,4'-DDD		1.196	0.000	100.0#	0#	-4.22#
20	t	Endosulfan II		1.299	0.000	100.0#	0#	-4.36#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-4.53#
22	t	Endrin Aldehyde		1.075	0.000	100.0#	0#	-4.78#
23	t	Methoxychlor		0.742	0.000	100.0#	0#	-5.03#
24	t	Mirex		1.139	0.000	100.0#	0#	-5.08#
25	t	Endosulfan Sulfate		1.253	0.000	100.0#	0#	-5.18#
26	t	Endrin Ketone		1.409	0.000	100.0#	0#	-5.41#
27	s	Decachlorobiphenyl		1.201	0.000	100.0#	0#	-6.23#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.35#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.47#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.90#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.09#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	0.000	100.0#	0#	-1.87#
3	t	Hexachlorobenzene		1.242	0.000	100.0#	0#	-2.20#
4	t	alpha-BHC		1.567	0.000	100.0#	0#	-2.29#
5	t	gamma-BHC (lindane)		1.478	0.000	100.0#	0#	-2.58#
6	t	beta-BHC		0.702	0.000	100.0#	0#	-2.65#
7	t	delta-BHC		1.492	0.000	100.0#	0#	-2.92#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   7:06
Operator : PEST10:peg
Sample   : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.465	0.000	100.0#	0#	-2.98#
9	t	Aldrin		1.347	0.000	100.0#	0#	-3.30#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.19#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.54#
12	t	Heptachlor Epoxide		1.339	0.000	100.0#	0#	-3.92#
13	t	gamma-Chlordane (trans)		1.195	0.000	100.0#	0#	-4.15#
14	t	alpha-Chlordane (cis)		1.358	0.000	100.0#	0#	-4.32#
15	t	4,4'-DDE		1.288	0.000	100.0#	0#	-4.51#
16	t	Endosulfan I		1.260	0.000	100.0#	0#	-4.38#
17	t	Dieldrin		1.260	0.000	100.0#	0#	-4.67#
18	t	Endrin		1.288	0.000	100.0#	0#	-4.96#
19	t	4,4'-DDD		1.029	0.000	100.0#	0#	-5.08#
20	t	Endosulfan II		1.175	0.000	100.0#	0#	-5.16#
21	t	4,4'-DDT		1.136	0.000	100.0#	0#	-5.36#
22	t	Endrin Aldehyde		0.978	0.000	100.0#	0#	-5.46#
23	t	Methoxychlor		0.637	0.000	100.0#	0#	-5.93#
24	t	Mirex		1.032	0.000	100.0#	0#	-6.06#
25	t	Endosulfan Sulfate		1.132	0.000	100.0#	0#	-5.69#
26	t	Endrin Ketone		1.235	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl		1.033	0.000	100.0#	0#	-6.96#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.12#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.47#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.87#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:06
Operator : PEST10:peg
Sample : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.263	1.387	533.8E6	164.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:06
Operator : PEST10:peg
Sample : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.379	2.846	1486.6E6	321.6E6	1638.405	1264.319
30) l1	chlordane-3	2.441	3.456	2327.6E6	336.4E6	1316.703	1188.513M3
31) l1	chlordane-4	2.789	4.145	1627.2E6	1321.9E6	1586.864	1253.962
32) l1	chlordane-5	3.334	4.315	6483.8E6	1014.5E6	1590.709	1234.758
Sum	chlordane-1			11925.2E6	2994.3E6	N.D.	N.D. D
Average	chlordane-1					1533.170	1235.388
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

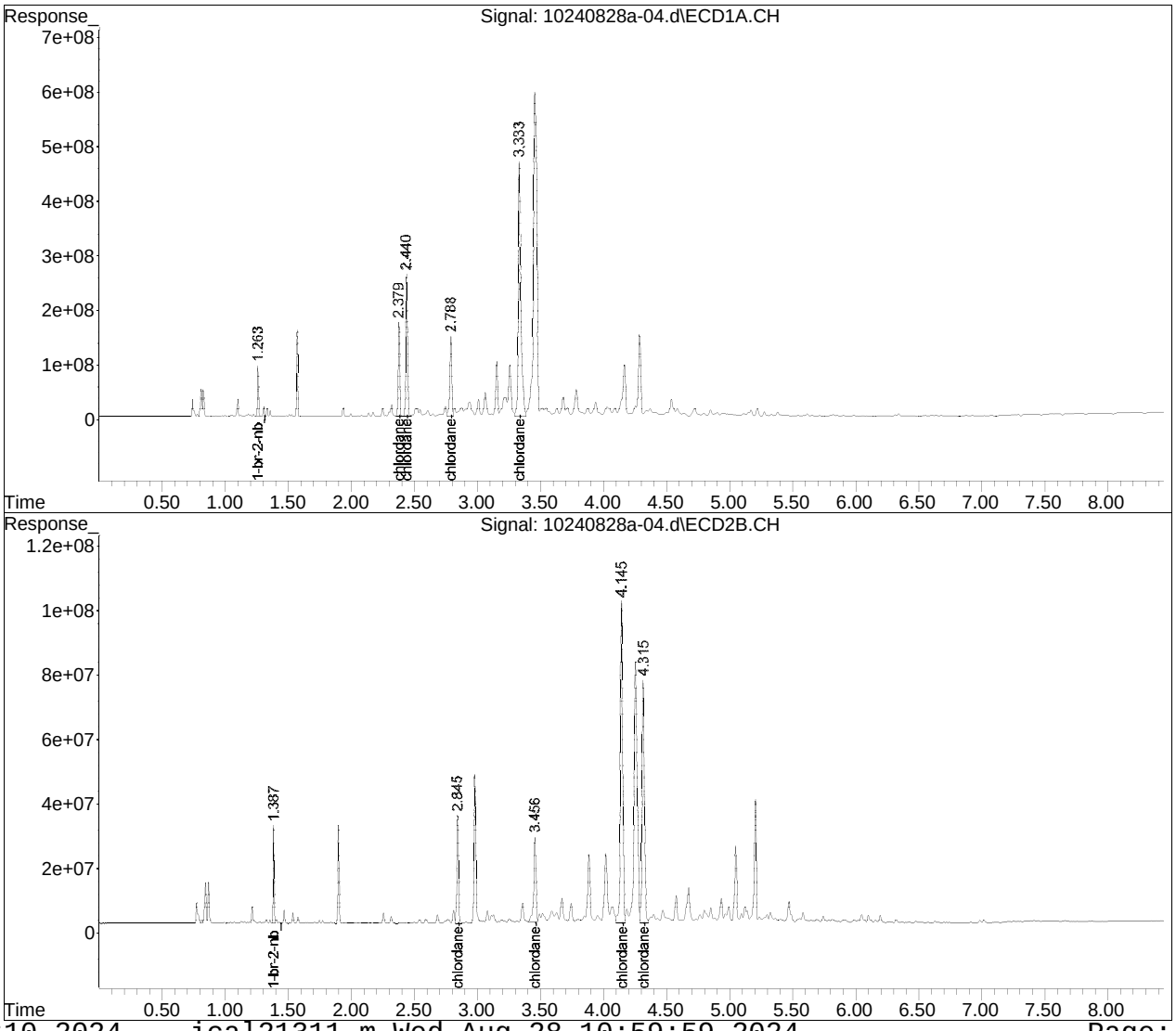
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:06
Operator : PEST10:peg
Sample : wg1964824-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:34:51 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

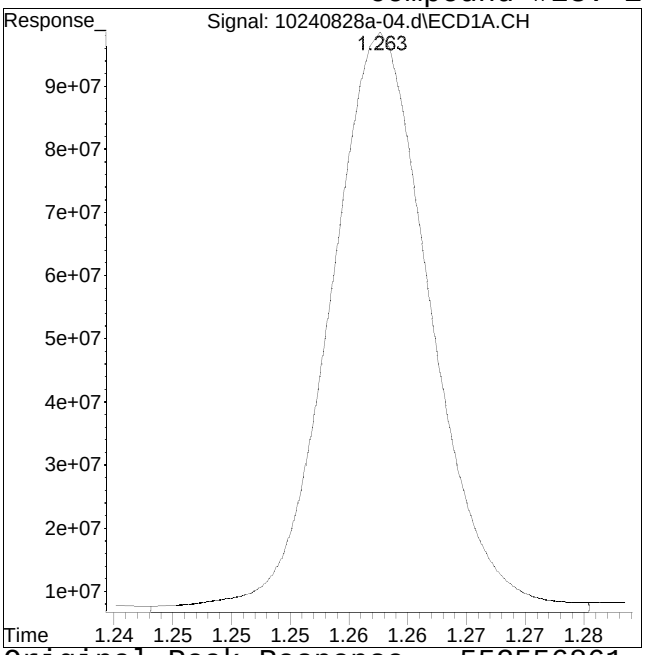
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



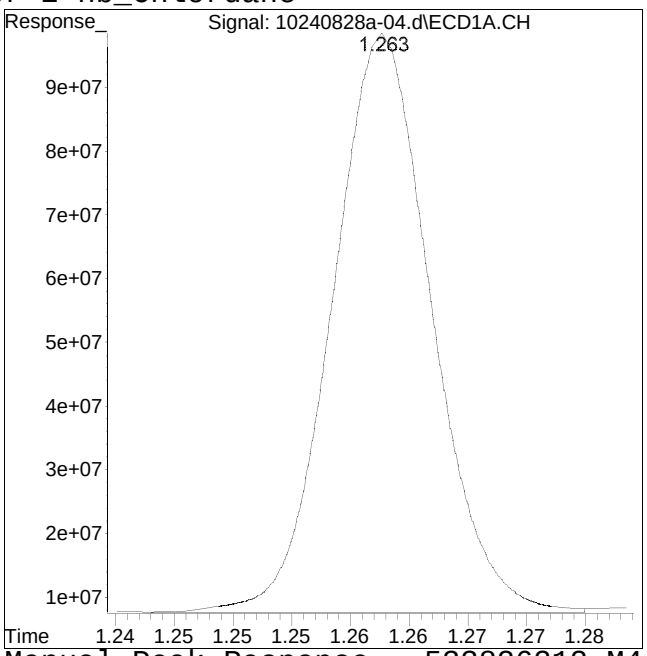
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-04.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 7:06 Instrument : Pest 10
Sample : wg1964824-2,42,,chlor11670Quant Date : 8/28/2024 7:34 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 552556861



Manual Peak Response = 533826212 M4

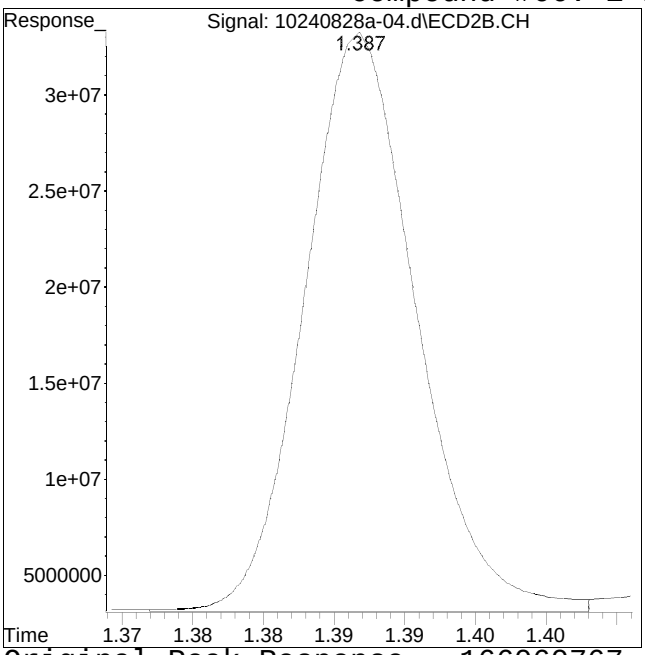
M4 = Poor automated baseline construction.

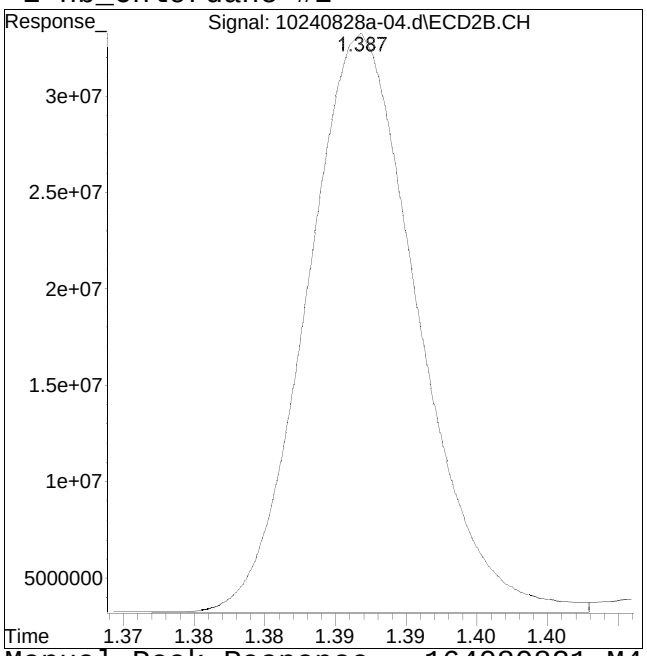
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828Q
Data File : 10240828a-04.d
Date Inj'd : 8/28/2024 7:06
Sample : wg1964824-2,42,,chlor11670

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 8/28/2024 7:34 am

Compound #66: 1-br-2-nb_Chlordane #2



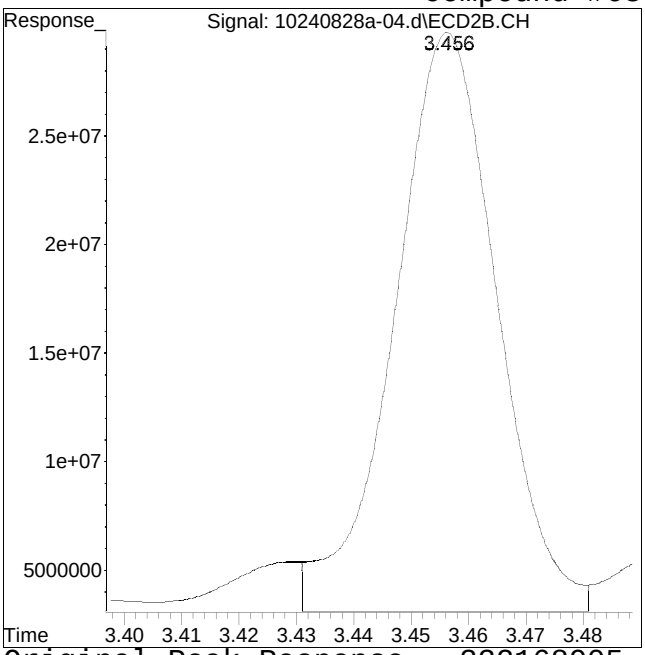


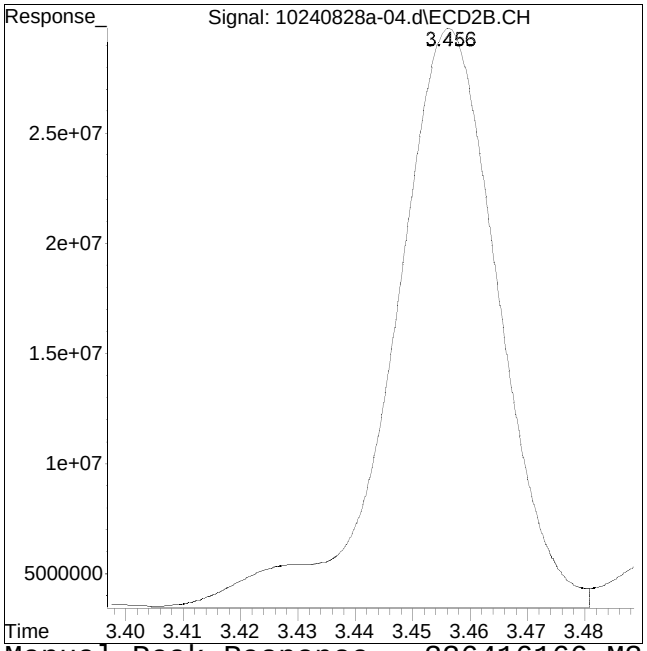
Original Peak Response = 166060767 Manual Peak Response = 164080821 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-04.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 7:06 Instrument : Pest 10
Sample : wg1964824-2,42,,chlor11670Quant Date : 8/28/2024 7:34 am

Compound #68: chlordane-3 #2





Original Peak Response = 332168905 Manual Peak Response = 336416166 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311 (Sig #1); wg1964824,WG1964505,ical21311 (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	108	0.00
34	l2	toxaphene-1		0.047	0.059	-25.5#	135	0.00
35	l2	toxaphene-2		0.043	0.055	-27.9#	133	0.00
36	l2	toxaphene-4		0.038	0.052	-36.8#	141	0.00
37	l2	toxaphene-5		0.045	0.057	-26.7#	133	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	132	0.00
34	l2	toxaphene-1		0.024	0.026	-8.3	142	0.00
35	l2	toxaphene-2		0.036	0.039	-8.3	142	0.00
36	l2	toxaphene-4		0.042	0.043	-2.4	133	0.00
37	l2	toxaphene-5		0.042	0.042	0.0	142	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.26#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	0.000	100.0#	0#	-1.60#
3	t	Hexachlorobenzene		1.313	0.000	100.0#	0#	-1.81#
4	t	alpha-BHC		1.783	0.000	100.0#	0#	-1.90#
5	t	gamma-BHC (lindane)		1.679	0.000	100.0#	0#	-2.10#
6	t	beta-BHC		0.728	0.000	100.0#	0#	-2.16#
7	t	delta-BHC		1.688	0.000	100.0#	0#	-2.28#
8	t	Heptachlor		1.589	0.000	100.0#	0#	-2.44#
9	t	Aldrin		1.514	0.000	100.0#	0#	-2.68#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-2.80#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-2.89#
12	t	Heptachlor Epoxide		1.432	0.000	100.0#	0#	-3.21#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311 (Sig #1); wg1964824,WG1964505,ical21311 (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
13	t	gamma-Chlordane (trans)		1.321	0.000	100.0#	0#	-3.33#
14	t	alpha-Chlordane (cis)		1.515	0.000	100.0#	0#	-3.47#
15	t	4,4'-DDE		1.468	0.000	100.0#	0#	-3.56#
16	t	Endosulfan I		1.360	0.000	100.0#	0#	-3.60#
17	t	Dieldrin		1.420	0.000	100.0#	0#	-3.86#
18	t	Endrin		1.462	0.000	100.0#	0#	-4.11#
19	t	4,4'-DDD		1.196	0.000	100.0#	0#	-4.22#
20	t	Endosulfan II		1.299	0.000	100.0#	0#	-4.36#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-4.53#
22	t	Endrin Aldehyde		1.075	0.000	100.0#	0#	-4.78#
23	t	Methoxychlor		0.742	0.000	100.0#	0#	-5.03#
24	t	Mirex		1.139	0.000	100.0#	0#	-5.08#
25	t	Endosulfan Sulfate		1.253	0.000	100.0#	0#	-5.18#
26	t	Endrin Ketone		1.409	0.000	100.0#	0#	-5.41#
27	s	Decachlorobiphenyl		1.201	0.000	100.0#	0#	-6.23#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.26#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.38#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.44#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-2.79#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.33#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	0.000	100.0#	0#	-1.87#
3	t	Hexachlorobenzene		1.242	0.000	100.0#	0#	-2.20#
4	t	alpha-BHC		1.567	0.000	100.0#	0#	-2.29#
5	t	gamma-BHC (lindane)		1.478	0.000	100.0#	0#	-2.58#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311 (Sig #1); wg1964824,WG1964505,ical21311 (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
6	t	beta-BHC		0.702	0.000	100.0#	0#	-2.65#
7	t	delta-BHC		1.492	0.000	100.0#	0#	-2.92#
8	t	Heptachlor		1.465	0.000	100.0#	0#	-2.98#
9	t	Aldrin		1.347	0.000	100.0#	0#	-3.30#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.19#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.54#
12	t	Heptachlor Epoxide		1.339	0.000	100.0#	0#	-3.92#
13	t	gamma-Chlordane (trans)		1.195	0.000	100.0#	0#	-4.15#
14	t	alpha-Chlordane (cis)		1.358	0.000	100.0#	0#	-4.32#
15	t	4,4'-DDE		1.288	0.000	100.0#	0#	-4.51#
16	t	Endosulfan I		1.260	0.000	100.0#	0#	-4.38#
17	t	Dieldrin		1.260	0.000	100.0#	0#	-4.67#
18	t	Endrin		1.288	0.000	100.0#	0#	-4.96#
19	t	4,4'-DDD		1.029	0.000	100.0#	0#	-5.08#
20	t	Endosulfan II		1.175	0.000	100.0#	0#	-5.16#
21	t	4,4'-DDT		1.136	0.000	100.0#	0#	-5.36#
22	t	Endrin Aldehyde		0.978	0.000	100.0#	0#	-5.46#
23	t	Methoxychlor		0.637	0.000	100.0#	0#	-5.93#
24	t	Mirex		1.032	0.000	100.0#	0#	-6.06#
25	t	Endosulfan Sulfate		1.132	0.000	100.0#	0#	-5.69#
26	t	Endrin Ketone		1.235	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl		1.033	0.000	100.0#	0#	-6.96#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.85#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.46#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.15#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.32#

* Evaluation of CC level amount vs concentration.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024   7:17
Operator : PEST10:peg
Sample   : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1964824,,ical21311 (Sig #1); wg1964824,WG1964505,ical21311 (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.263	1.387	599.0E6	170.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.348	5.120	2809.9E6	352.8E6	2514.955	2179.259
35) l2	toxaphene-2	4.475	5.149	2617.6E6	526.7E6	2524.744	2127.550
36) l2	toxaphene-4	4.901	5.466	2473.3E6	584.4E6	2697.326	2041.111
37) l2	toxaphene-5	5.089	5.874	2725.9E6	573.8E6	2503.730	2004.417
Sum	toxaphene-1			10626.6E6	2037.7E6	10240.756	8352.337
Average	toxaphene-1					2560.189	2088.084

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			10626.6E6	2037.7E6	10240.756	8352.337
Average	toxaphene-1					2560.189	2088.084

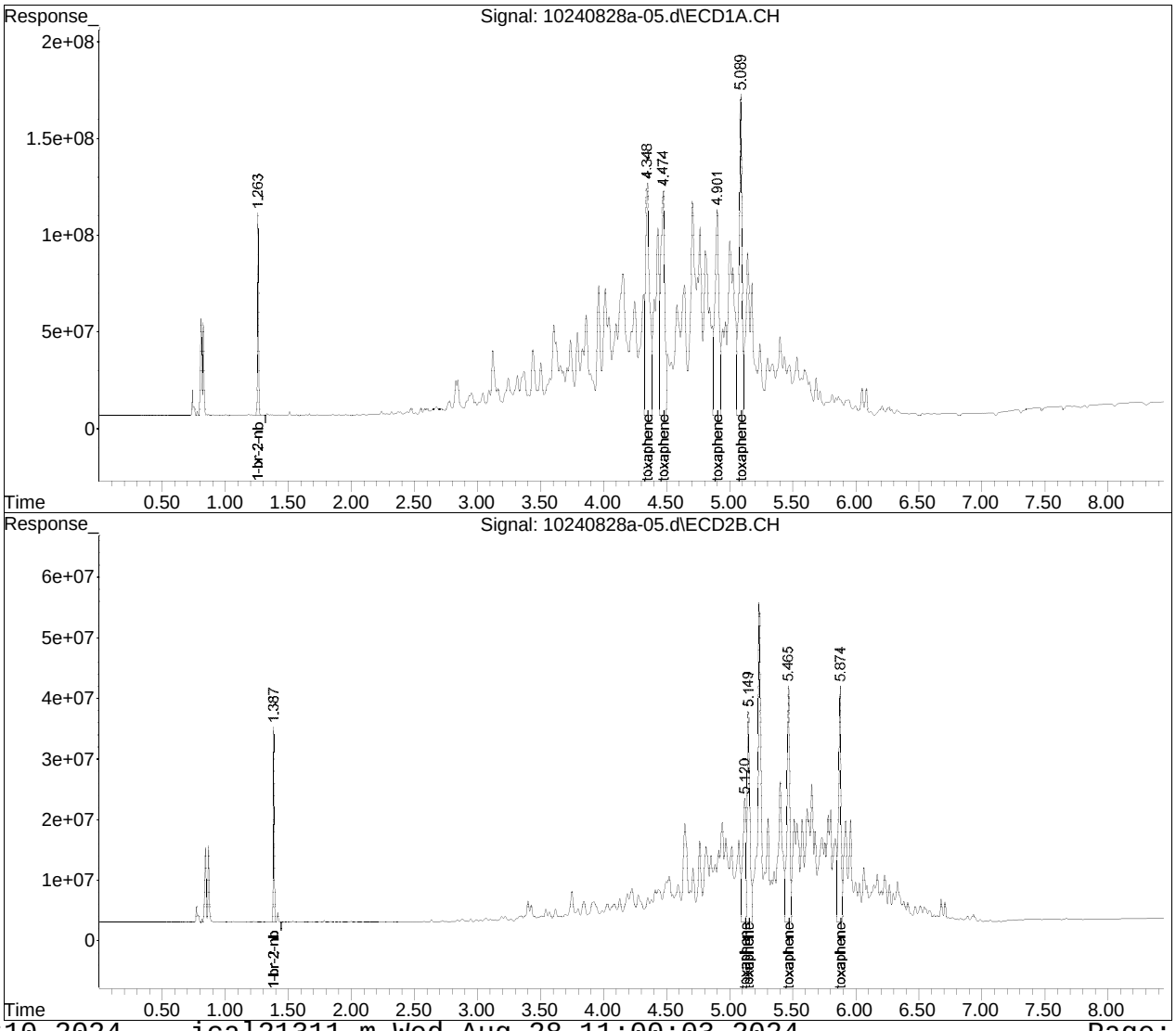
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 7:17
Operator : PEST10:peg
Sample : wg1964824-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:29:40 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:29:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

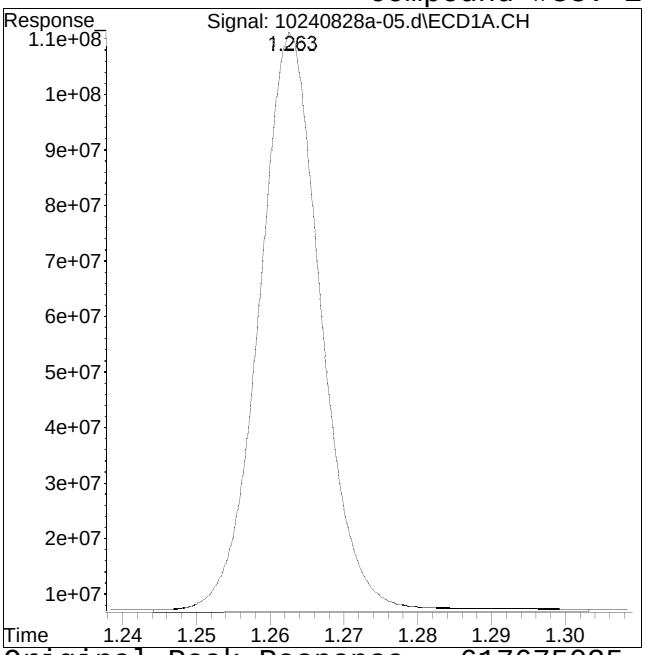
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

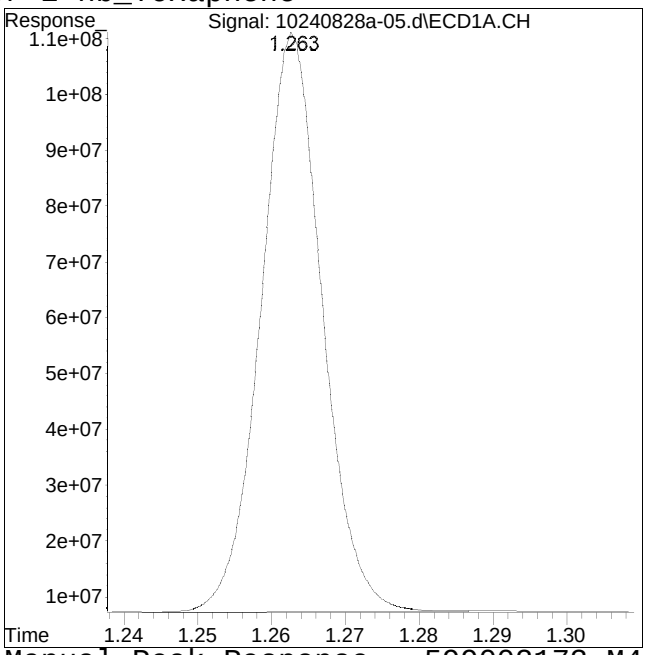


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-05.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 7:17 Instrument : Pest 10
Sample : wg1964824-3,42,,tox11668 Quant Date : 8/28/2024 7:29 am

Compound #33: 1-br-2-nb_Toxaphene



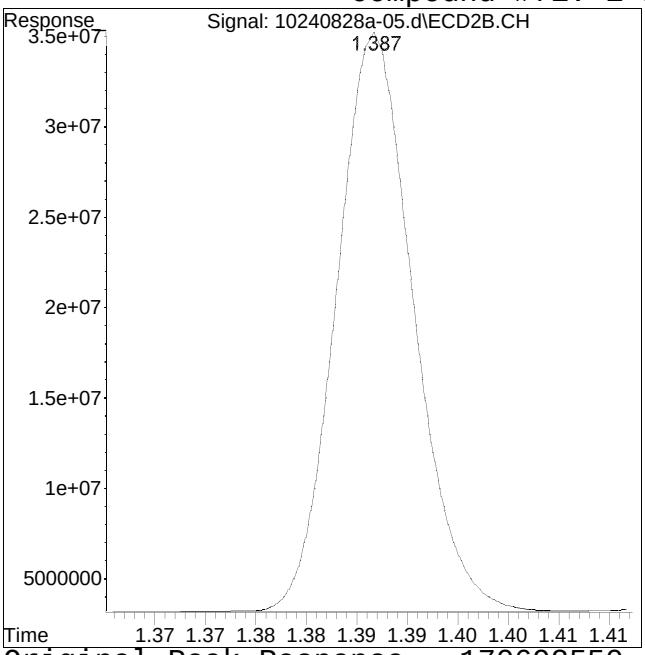


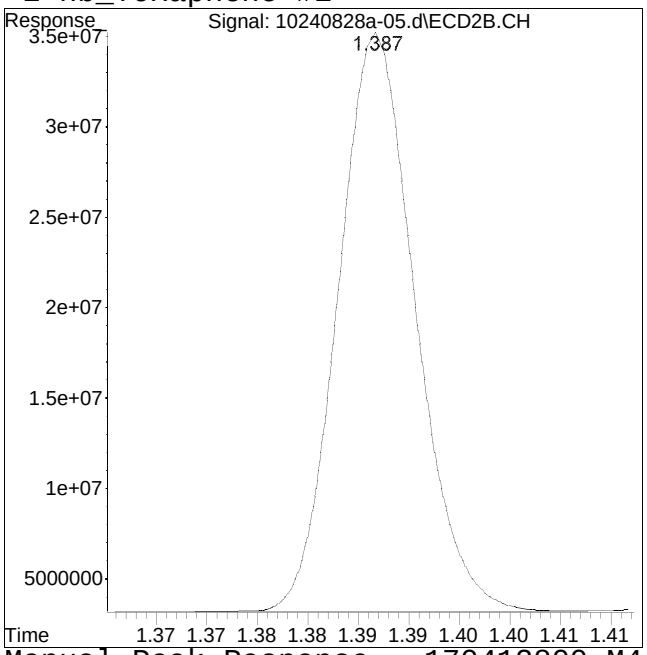
Original Peak Response = 617675035 Manual Peak Response = 599002173 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-05.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 7:17 Instrument : Pest 10
Sample : wg1964824-3,42,,tox11668 Quant Date : 8/28/2024 7:29 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 170692550 Manual Peak Response = 170412800 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample   : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	150	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	1.180	4.6	147	0.00
3	t	Hexachlorobenzene		1.313	1.244	5.3	149	0.00
4	t	alpha-BHC		1.783	1.824	-2.3	146	0.00
5	t	gamma-BHC (lindane)		1.679	1.639	2.4	146	0.00
6	t	beta-BHC		0.728	0.664	8.8	147	0.00
7	t	delta-BHC		1.688	1.602	5.1	139	0.00
8	t	Heptachlor		1.589	1.635	-2.9	152#	0.00
9	t	Aldrin		1.514	1.557	-2.8	151#	0.00
10	t	Alachlor	*	50.000	65.323	-30.6#	169	0.00
11	t	Chlorpyrifos	*	50.000	55.605	-11.2	154	0.00
12	t	Heptachlor Epoxide		1.432	1.427	0.3	149	0.00
13	t	gamma-Chlordane (trans)		1.321	1.508	-14.2	173#	0.00
14	t	alpha-Chlordane (cis)		1.515	1.472	2.8	149	0.00
15	t	4,4'-DDE		1.468	1.460	0.5	144	0.00
16	t	Endosulfan I		1.360	1.359	0.1	150	0.00
17	t	Dieldrin		1.420	1.571	-10.6	163#	0.00
18	t	Endrin		1.462	1.490	-1.9	149	0.00
19	t	4,4'-DDD		1.196	1.260	-5.4	156#	0.00
20	t	Endosulfan II		1.299	1.334	-2.7	154#	0.00
21	t	4,4'-DDT		1.339	1.338	0.1	147	0.00
22	t	Endrin Aldehyde		1.075	0.967	10.0	135	0.00
23	t	Methoxychlor		0.742	0.684	7.8	144	0.00
24	t	Mirex		1.139	1.098	3.6	155#	0.00
25	t	Endosulfan Sulfate		1.253	1.296	-3.4	156#	0.00
26	t	Endrin Ketone		1.409	1.501	-6.5	158#	0.00
27	s	Decachlorobiphenyl		1.201	1.099	8.5	144	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample   : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	147	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	1.098	1.3	148	0.00
3	t	Hexachlorobenzene		1.242	1.186	4.5	148	0.00
4	t	alpha-BHC		1.567	1.655	-5.6	148	0.00
5	t	gamma-BHC (lindane)		1.478	1.503	-1.7	147	0.00
6	t	beta-BHC		0.702	0.644	8.3	146	0.00
7	t	delta-BHC		1.492	1.475	1.1	141	0.00
8	t	Heptachlor		1.465	1.543	-5.3	156#	0.00
9	t	Aldrin		1.347	1.452	-7.8	156#	0.00
10	t	Alachlor	*	50.000	58.030	-16.1	150	0.00
11	t	Chlorpyrifos	*	50.000	56.851	-13.7	153	0.00
12	t	Heptachlor Epoxide		1.339	1.362	-1.7	152#	0.00
13	t	gamma-Chlordane (trans)		1.195	1.423	-19.1	179#	0.00
14	t	alpha-Chlordane (cis)		1.358	1.406	-3.5	155#	0.00
15	t	4,4'-DDE		1.288	1.387	-7.7	154#	0.00
16	t	Endosulfan I		1.260	1.308	-3.8	155#	0.00
17	t	Dieldrin		1.260	1.477	-17.2	169#	0.00
18	t	Endrin		1.288	1.396	-8.4	154#	0.00
19	t	4,4'-DDD		1.029	1.184	-15.1	164#	0.00
20	t	Endosulfan II		1.175	1.266	-7.7	159#	0.00
21	t	4,4'-DDT		1.136	1.268	-11.6	159#	0.00
22	t	Endrin Aldehyde		0.978	0.920	5.9	138	0.00
23	t	Methoxychlor		0.637	0.669	-5.0	156#	0.00
24	t	Mirex		1.032	1.034	-0.2	158#	0.00
25	t	Endosulfan Sulfate		1.132	1.196	-5.7	159#	0.00
26	t	Endrin Ketone		1.235	1.405	-13.8	165#	0.00
27	s	Decachlorobiphenyl		1.033	1.015	1.7	151#	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample   : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.26#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.38#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.44#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-2.79#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.33#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.35#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.47#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.90#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.09#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.85#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.46#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.15#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.32#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.12#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.47#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.87#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.263	1.387	755.0E6	173.6E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.600	1.870	1782.6E6	381.1E6	47.733	49.298
	Spiked Amount 50.000	Range 30 - 150		Recovery =		95.47%	98.60%
27) s	Decachlorobi	6.230	6.959	1659.4E6	352.4E6	45.741	49.129
	Spiked Amount 50.000	Range 30 - 150		Recovery =		91.48%	98.26%
	Target Compounds						
3) t	Hexachlorobe	1.809	2.195	1879.2E6	411.8E6	47.382	47.727
4) t	alpha-BHC	1.906	2.292	2755.1E6	574.6E6	51.173	52.785
5) t	gamma-BHC (l	2.103	2.581	2474.7E6	522.0E6	48.792	50.856
6) t	beta-BHC	2.158	2.646	1003.0E6	223.6E6	45.636	45.859
7) t	delta-BHC	2.283	2.916	2419.5E6	512.0E6	47.448	49.425
8) t	Heptachlor	2.442	2.982	2469.6E6	535.9E6	51.454	52.680
9) t	Aldrin	2.679	3.304	2351.9E6	504.3E6	51.422	53.915
10) t	Alachlor	2.800	3.186	367.7E6	79209003	65.323	58.030
11) t	Chlorpyrifos	2.889	3.542	1044.2E6	249.2E6	55.605	56.851
12) t	Heptachlor E	3.214	3.925	2154.2E6	472.9E6	49.807	50.866
13) t	gamma-Chlord	3.335	4.146	2276.7E6	494.3E6	57.076	59.569
14) t	alpha-Chlord	3.467	4.316	2222.3E6	488.2E6	48.585	51.770
15) t	4,4'-DDE	3.564	4.512	2204.7E6	481.7E6	49.709	53.867
16) t	Endosulfan I	3.601	4.376	2052.4E6	454.0E6	49.966	51.881
17) t	Dieldrin	3.857	4.667	2371.7E6	512.8E6	55.303	58.595
18) t	Endrin	4.109	4.964	2249.9E6	484.7E6	50.949	54.209
19) t	4,4'-DDD	4.226	5.085	1902.2E6	411.1E6	52.661	57.553
20) t	Endosulfan I	4.357	5.162	2014.3E6	439.5E6	51.336M4	53.880
21) t	4,4'-DDT	4.527	5.362	2020.9E6	440.3E6	49.958M3	55.825

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	4.786	5.458	1461.0E6	319.3E6	44.990	47.019
23) t	Methoxychlor	5.028	5.926	1032.9E6	232.2E6	46.103	52.482
24) t	Mirex	5.078	6.064	1657.7E6	359.0E6	48.185	50.085
25) t	Endosulfan S	5.186	5.686	1957.6E6	415.4E6	51.741M4	52.828
26) t	Endrin Keton	5.416	6.099	2265.9E6	487.9E6	53.261	56.880
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

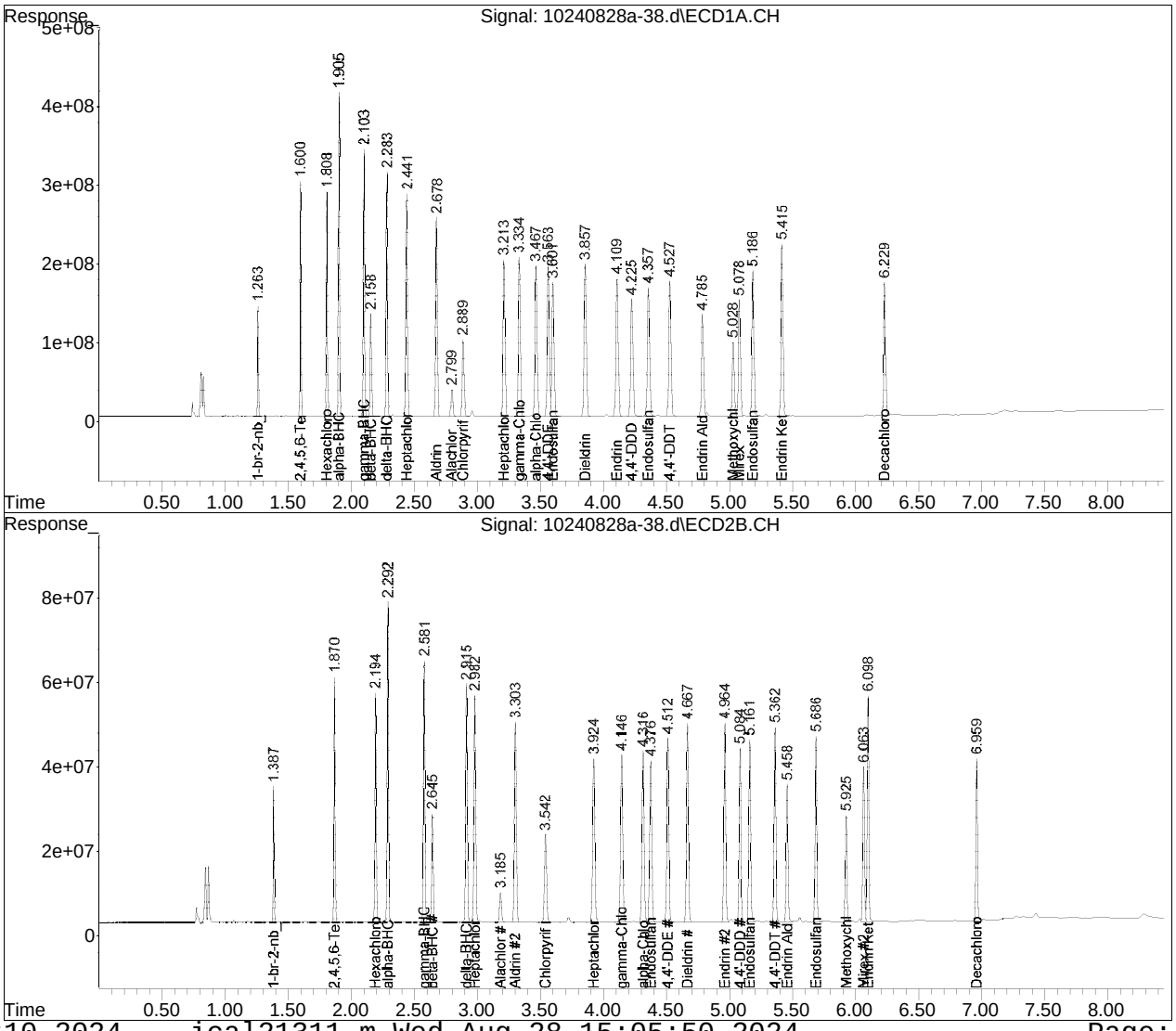
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:39
Operator : PEST10:akm
Sample : wg1964824-4,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:17:30 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

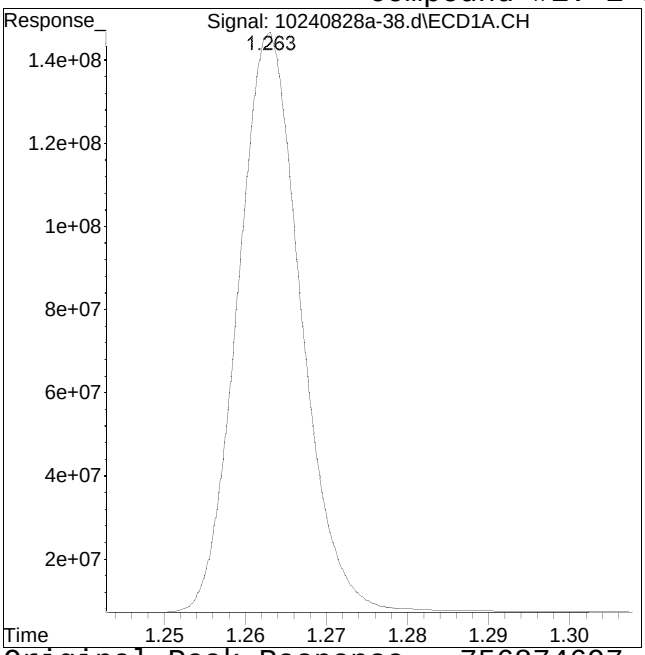
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

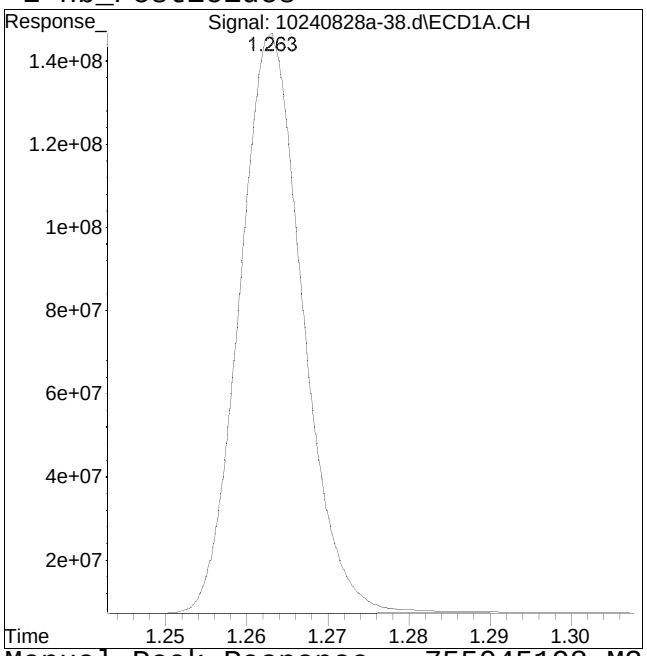


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-38.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 10
Sample : wg1964824-4,42,,pest11675 Quant Date : 8/28/2024 2:17 pm

Compound #1: 1-br-2-nb_Pesticides



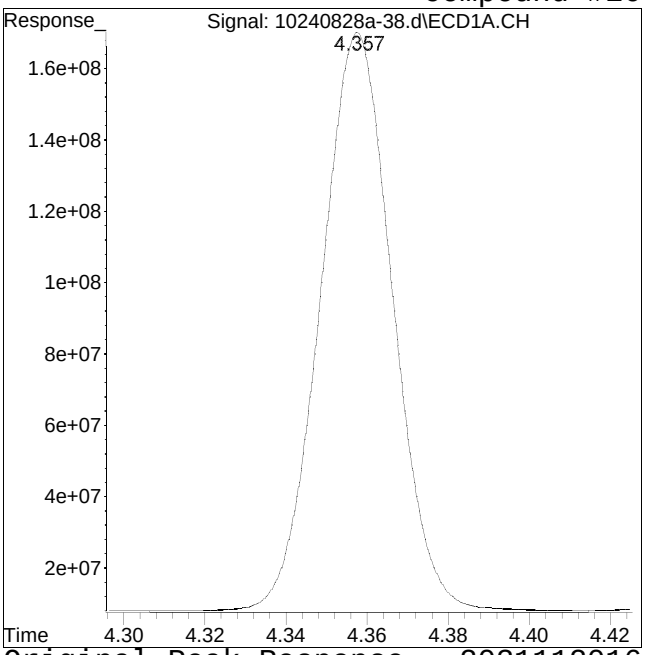


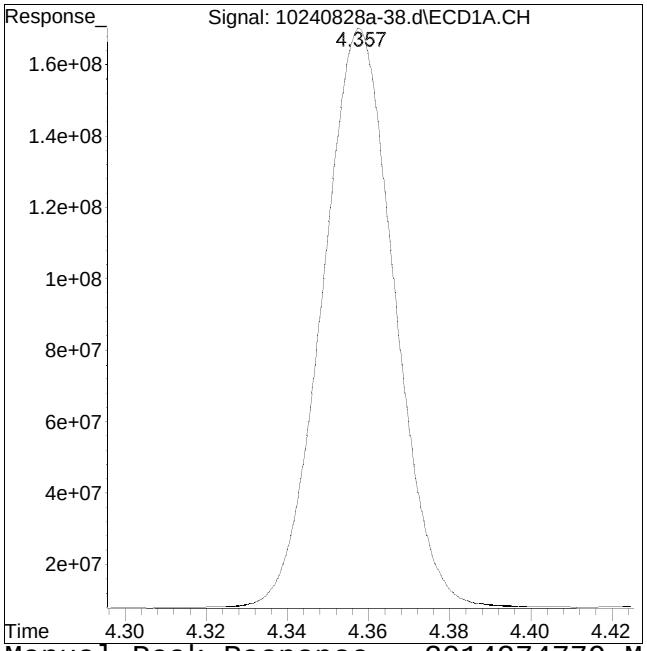
Original Peak Response = 756874697 Manual Peak Response = 755045198 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-38.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 10
Sample : wg1964824-4,42,,pest11675 Quant Date : 8/28/2024 2:17 pm

Compound #20: Endosulfan II



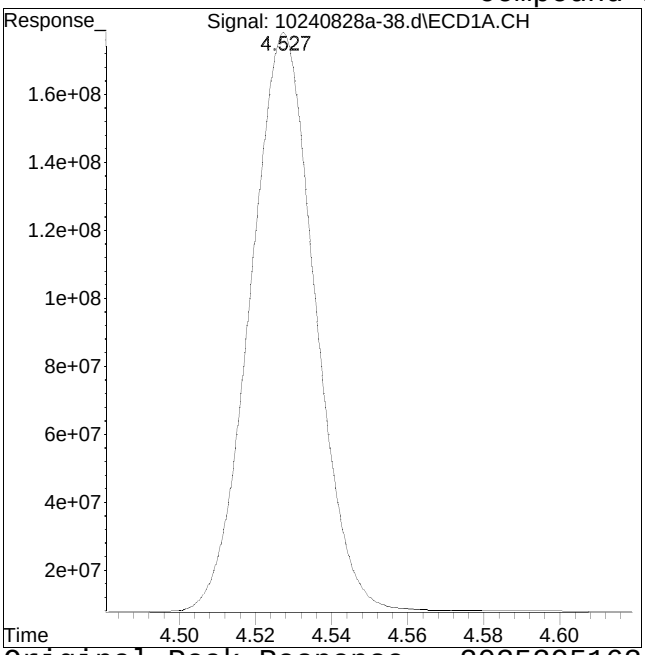


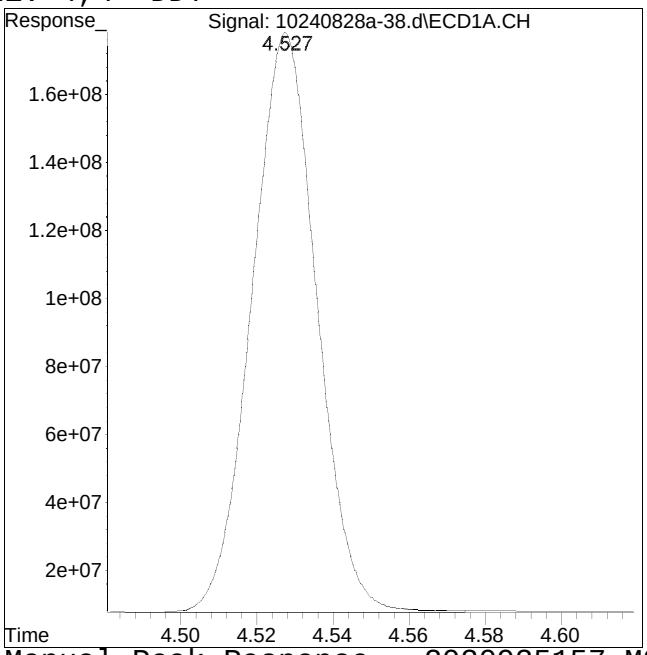
Original Peak Response = 2031112016 Manual Peak Response = 2014274779 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-38.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 10
Sample : wg1964824-4,42,,pest11675 Quant Date : 8/28/2024 2:17 pm

Compound #21: 4,4'-DDT



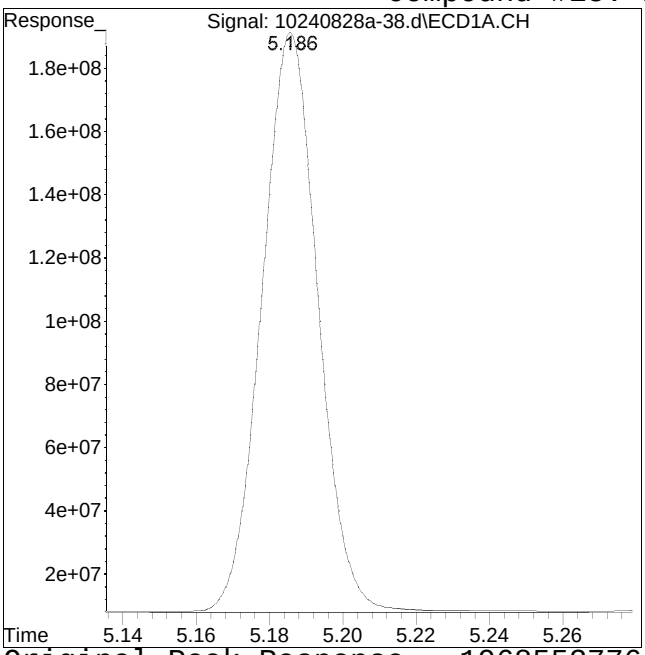


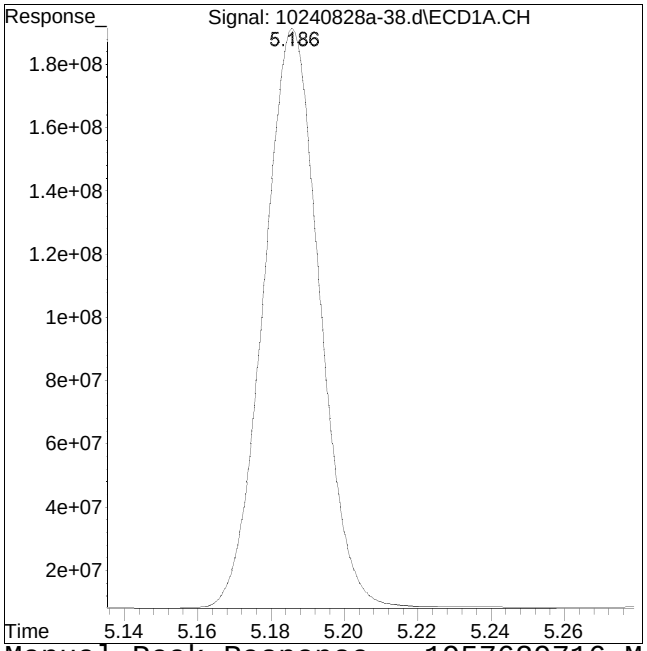
Original Peak Response = 2035395163 Manual Peak Response = 2020935157 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-38.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:39 Instrument : Pest 10
Sample : wg1964824-4,42,,pest11675 Quant Date : 8/28/2024 2:17 pm

Compound #25: Endosulfan Sulfate





Original Peak Response = 1968553776 Manual Peak Response = 1957629716 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample   : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	121	0.00
29	l1	chlordane-1		*1000.000	960.328	4.0	118	0.00
30	l1	chlordane-3		*1000.000	774.903	22.5#	91	0.00
31	l1	chlordane-4		*1000.000	989.433	1.1	123	0.00
32	l1	chlordane-5		*1000.000	952.127	4.8	114	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	122	0.00
29	l1	chlordane-1		*1000.000	979.797	2.0	118	0.00
30	l1	chlordane-3		*1000.000	1035.096	-3.5	126	0.00
31	l1	chlordane-4		*1000.000	991.092	0.9	121	0.00
32	l1	chlordane-5		*1000.000	983.344	1.7	120	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.26#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.237	0.000	100.0#	0#	-1.60#
3	t	Hexachlorobenzene		1.313	0.000	100.0#	0#	-1.81#
4	t	alpha-BHC		1.783	0.000	100.0#	0#	-1.90#
5	t	gamma-BHC (lindane)		1.679	0.000	100.0#	0#	-2.10#
6	t	beta-BHC		0.728	0.000	100.0#	0#	-2.16#
7	t	delta-BHC		1.688	0.000	100.0#	0#	-2.28#
8	t	Heptachlor		1.589	0.000	100.0#	0#	-2.44#
9	t	Aldrin		1.514	0.000	100.0#	0#	-2.68#
10	t	Alachlor		* 50.000	0.000	100.0#	0	-2.80#
11	t	Chlorpyrifos		* 50.000	0.000	100.0#	0	-2.89#
12	t	Heptachlor Epoxide		1.432	0.000	100.0#	0#	-3.21#
13	t	gamma-Chlordane (trans)		1.321	0.000	100.0#	0#	-3.33#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample   : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.515	0.000	100.0#	0#	-3.47#
15	t	4,4'-DDE		1.468	0.000	100.0#	0#	-3.56#
16	t	Endosulfan I		1.360	0.000	100.0#	0#	-3.60#
17	t	Dieldrin		1.420	0.000	100.0#	0#	-3.86#
18	t	Endrin		1.462	0.000	100.0#	0#	-4.11#
19	t	4,4'-DDD		1.196	0.000	100.0#	0#	-4.22#
20	t	Endosulfan II		1.299	0.000	100.0#	0#	-4.36#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-4.53#
22	t	Endrin Aldehyde		1.075	0.000	100.0#	0#	-4.78#
23	t	Methoxychlor		0.742	0.000	100.0#	0#	-5.03#
24	t	Mirex		1.139	0.000	100.0#	0#	-5.08#
25	t	Endosulfan Sulfate		1.253	0.000	100.0#	0#	-5.18#
26	t	Endrin Ketone		1.409	0.000	100.0#	0#	-5.41#
27	s	Decachlorobiphenyl		1.201	0.000	100.0#	0#	-6.23#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-1		0.047	0.000	100.0#	0#	-4.35#
35	l2	toxaphene-2		0.043	0.000	100.0#	0#	-4.47#
36	l2	toxaphene-4		0.038	0.000	100.0#	0#	-4.90#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.09#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.113	0.000	100.0#	0#	-1.87#
3	t	Hexachlorobenzene		1.242	0.000	100.0#	0#	-2.20#
4	t	alpha-BHC		1.567	0.000	100.0#	0#	-2.29#
5	t	gamma-BHC (lindane)		1.478	0.000	100.0#	0#	-2.58#
6	t	beta-BHC		0.702	0.000	100.0#	0#	-2.65#
7	t	delta-BHC		1.492	0.000	100.0#	0#	-2.92#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample   : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.465	0.000	100.0#	0#	-2.98#
9	t	Aldrin		1.347	0.000	100.0#	0#	-3.30#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.19#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.54#
12	t	Heptachlor Epoxide		1.339	0.000	100.0#	0#	-3.92#
13	t	gamma-Chlordane (trans)		1.195	0.000	100.0#	0#	-4.15#
14	t	alpha-Chlordane (cis)		1.358	0.000	100.0#	0#	-4.32#
15	t	4,4'-DDE		1.288	0.000	100.0#	0#	-4.51#
16	t	Endosulfan I		1.260	0.000	100.0#	0#	-4.38#
17	t	Dieldrin		1.260	0.000	100.0#	0#	-4.67#
18	t	Endrin		1.288	0.000	100.0#	0#	-4.96#
19	t	4,4'-DDD		1.029	0.000	100.0#	0#	-5.08#
20	t	Endosulfan II		1.175	0.000	100.0#	0#	-5.16#
21	t	4,4'-DDT		1.136	0.000	100.0#	0#	-5.36#
22	t	Endrin Aldehyde		0.978	0.000	100.0#	0#	-5.46#
23	t	Methoxychlor		0.637	0.000	100.0#	0#	-5.93#
24	t	Mirex		1.032	0.000	100.0#	0#	-6.06#
25	t	Endosulfan Sulfate		1.132	0.000	100.0#	0#	-5.69#
26	t	Endrin Ketone		1.235	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl		1.033	0.000	100.0#	0#	-6.96#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.12#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-5.47#
37	l2	toxaphene-5		0.042	0.000	100.0#	0#	-5.87#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.264	1.387	661.4E6	154.5E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.382	2.846	1082.9E6	234.9E6	960.328	979.797
30) l1	chlordane-3	2.443	3.458	1702.5E6	276.2E6	774.903	1035.096
31) l1	chlordane-4	2.792	4.147	1262.3E6	984.2E6	989.433	991.092
32) l1	chlordane-5	3.337	4.316	4814.5E6	761.2E6	952.127	983.344
Sum	chlordane-1			8862.2E6	2256.5E6	N.D.	N.D. D
Average	chlordane-1					919.198	997.332
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

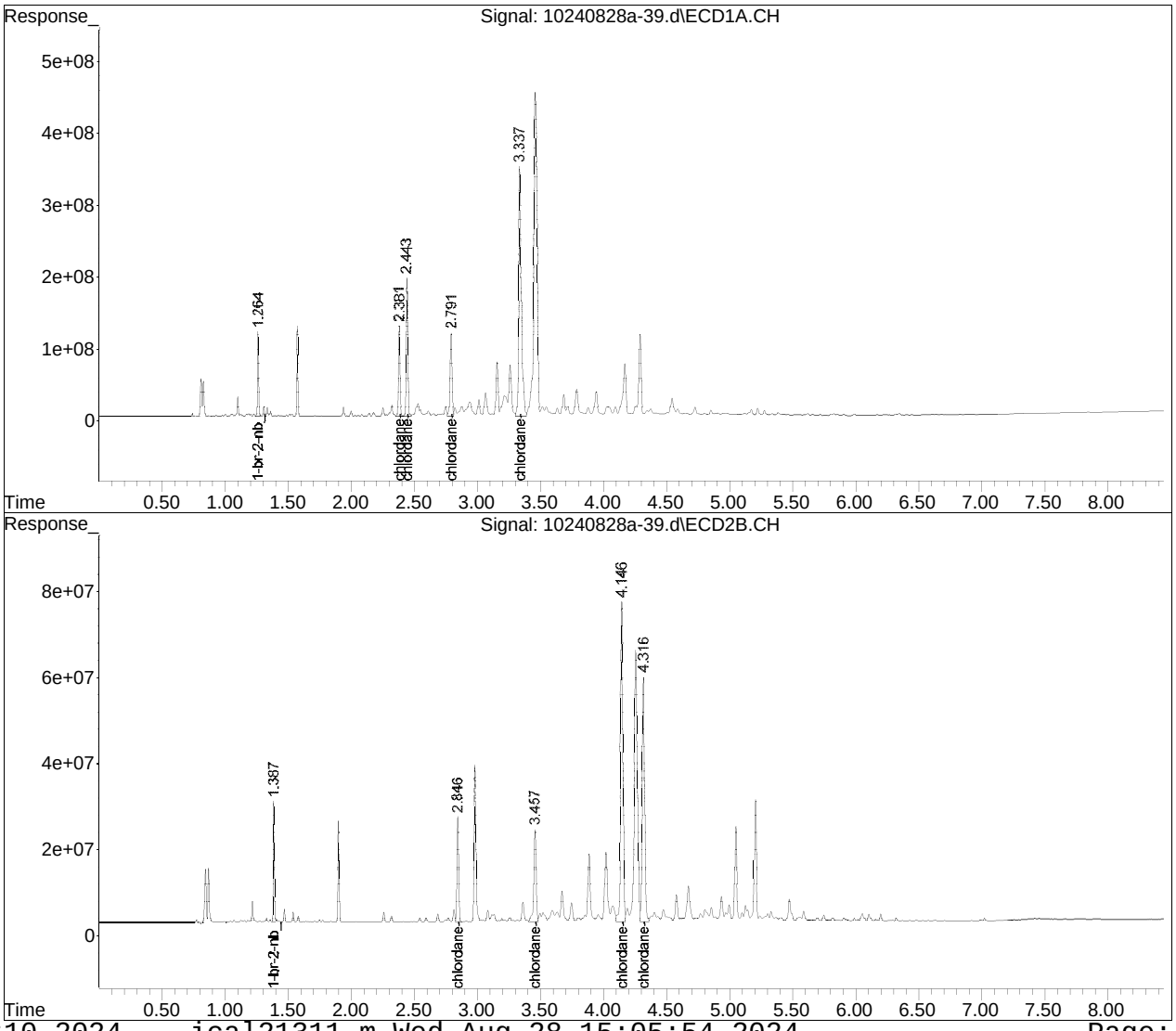
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:50
Operator : PEST10:akm
Sample : wg1964824-5,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:18:47 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

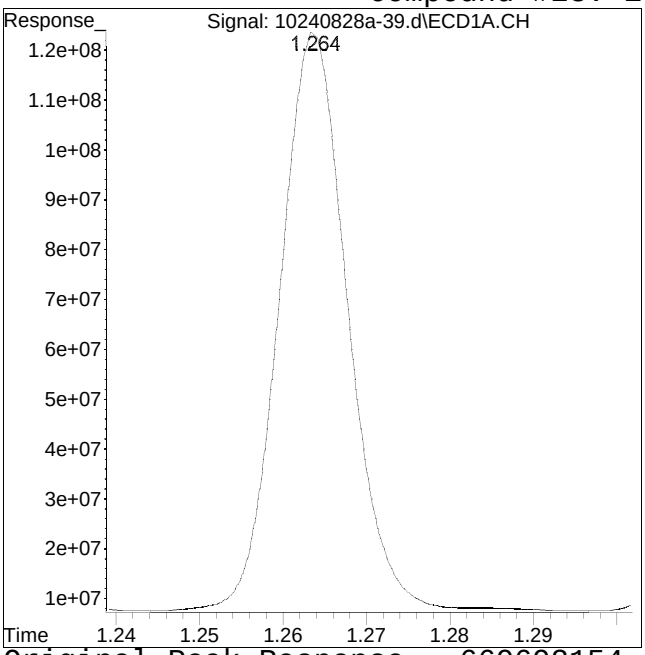
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

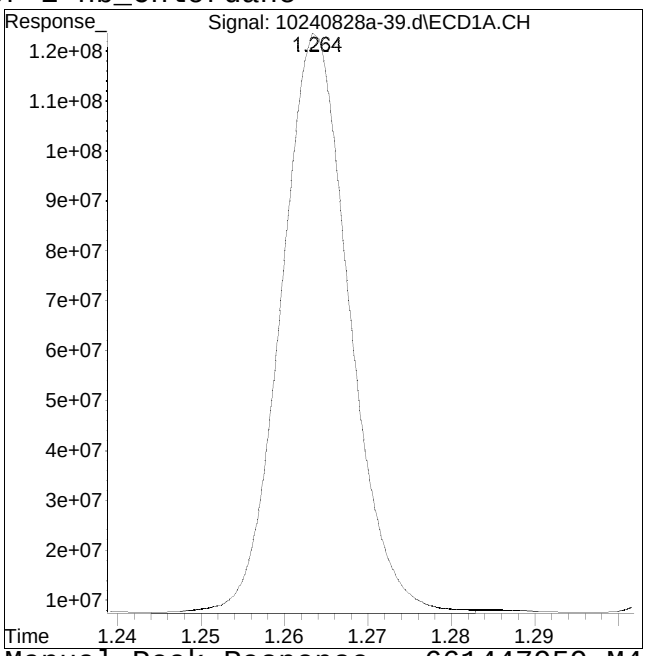


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-39.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:50 Instrument : Pest 10
Sample : wg1964824-5,42,,chlor11670Quant Date : 8/28/2024 2:18 pm

Compound #28: 1-br-2-nb_Chlordane



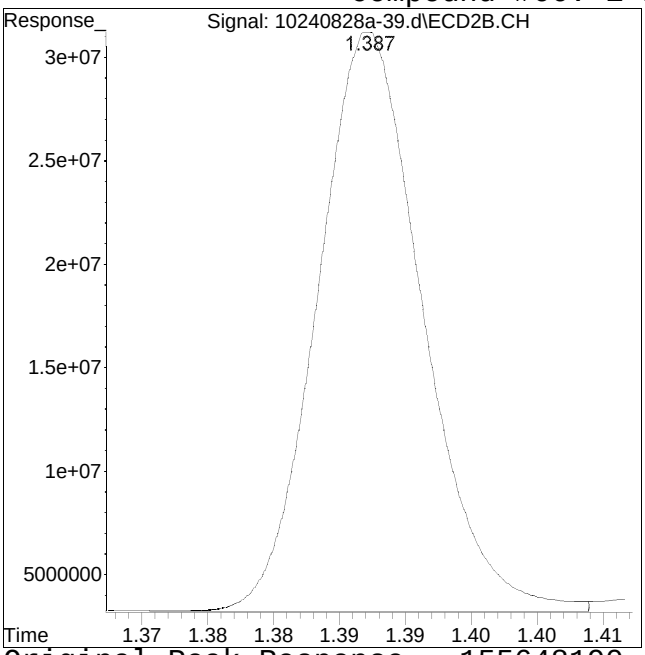


Original Peak Response = 669692154 Manual Peak Response = 661447959 M4
M4 = Poor automated baseline construction.

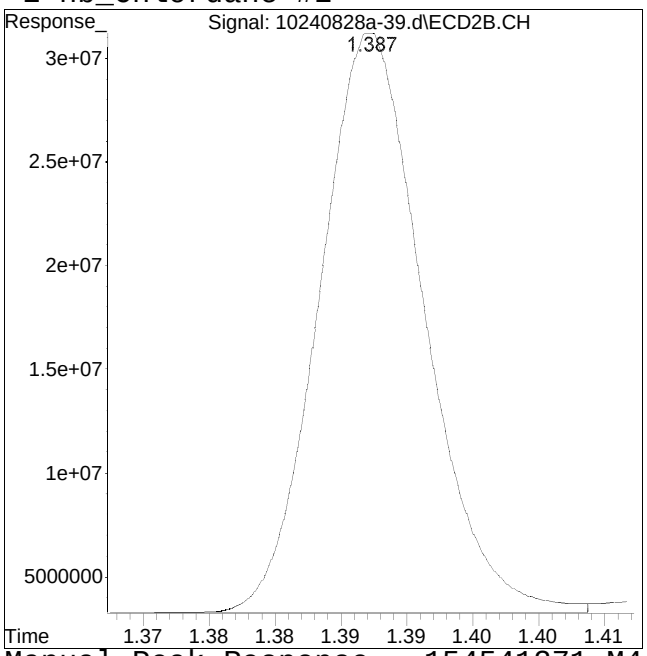
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-39.d Operator : PEST10:akm
Date Inj'd : 8/28/2024 13:50 Instrument : Pest 10
Sample : wg1964824-5,42,,chlor11670Quant Date : 8/28/2024 2:18 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 155648190



Manual Peak Response = 154541271 M4

M4 = Poor automated baseline construction.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: PEST10	**Analysis Date**	: 08/28/24 06:44
PEM Standard	: R1869565-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	5356884.41447	761431.29202
Endrin	2107123956.1367	443921102.4401
4,4'-DDD	7770404.1384	1748211.19295
4,4'-DDT	3721866384.8281	807365671.93547
Endrin Aldehyde	2533189.76403	520389.59961
Endrin Ketone	10364553.14028	2191603.65057

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.608	0.607
DDT	0.351	0.310

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:44
Operator : PEST10:peg
Sample : pem10240828a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:26:23 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.263	1.387	674.0E6	156.2E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.568	4.513	5356884	761431	0.135M4	0.095M4
18) t	Endrin	4.109	4.963	2107.1E6	443.9E6	53.454	55.168
19) t	4,4'-DDD	4.227	5.085	7770404	1748211	0.241M4	0.272M4
21) t	4,4'-DDT	4.527	5.361	3721.9E6	807.4E6	103.071	113.748
22) t	Endrin Aldeh	4.786	5.456	2533190	520390	0.087M4	0.085M4
26) t	Endrin Keton	5.415	6.097	10364553	2191604	0.273M4	0.284M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

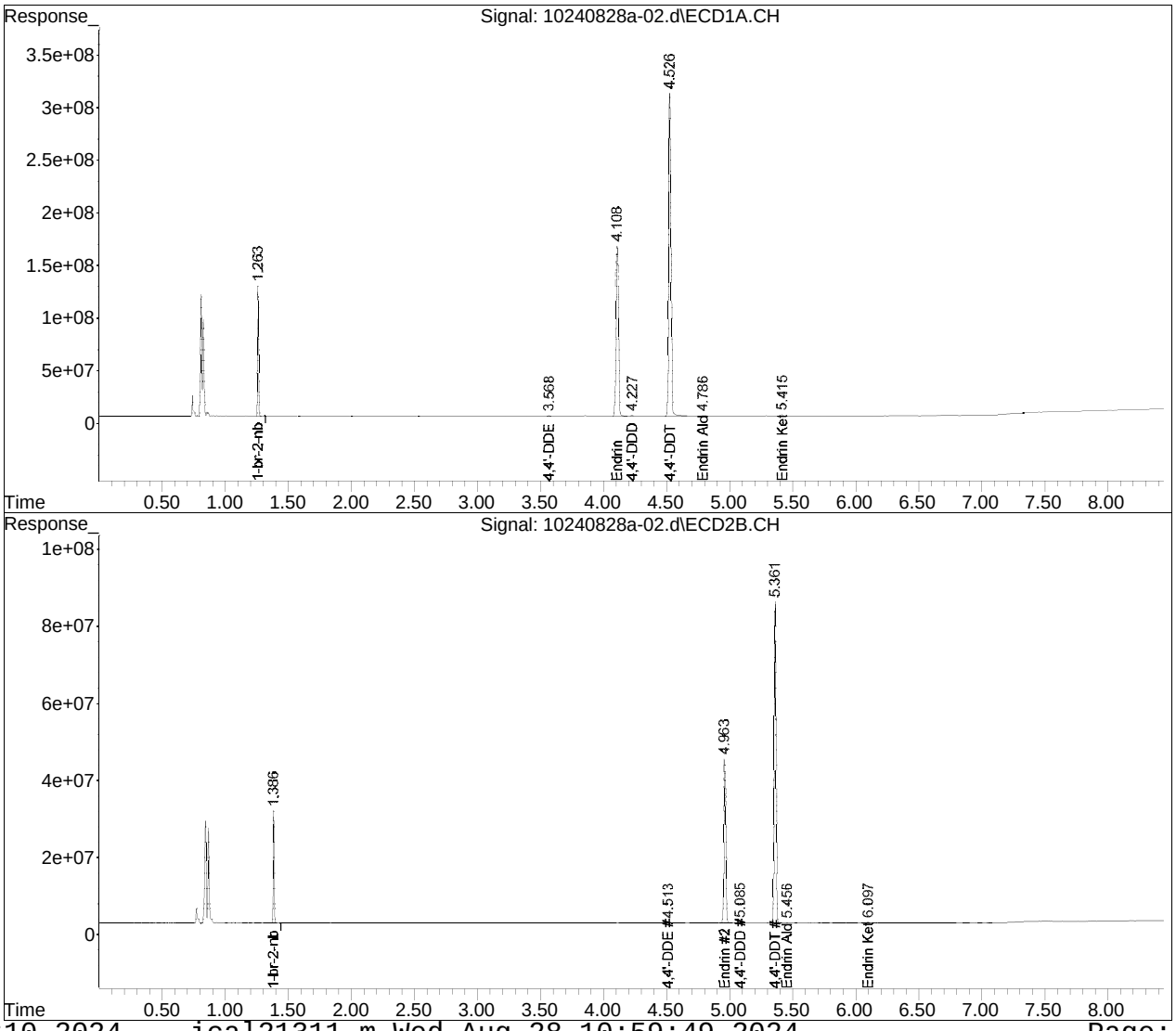
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 6:44
Operator : PEST10:peg
Sample : pem10240828a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1964824,,ical21311
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 07:26:23 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:23:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

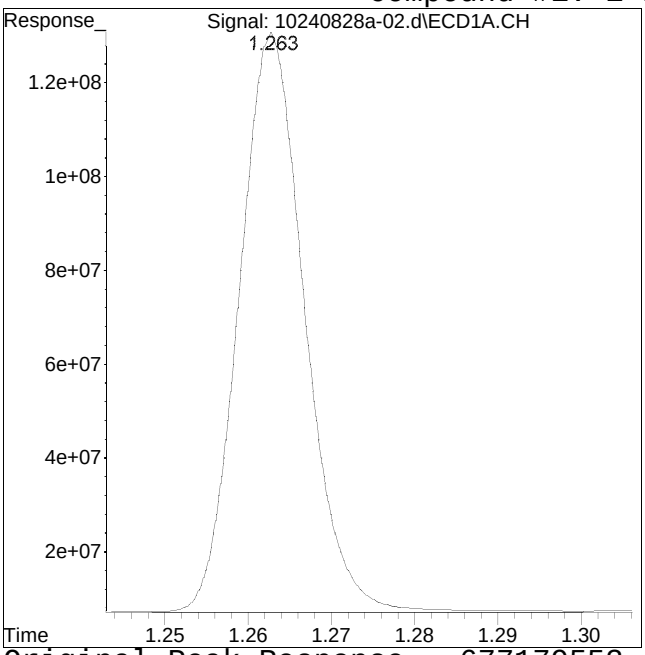
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



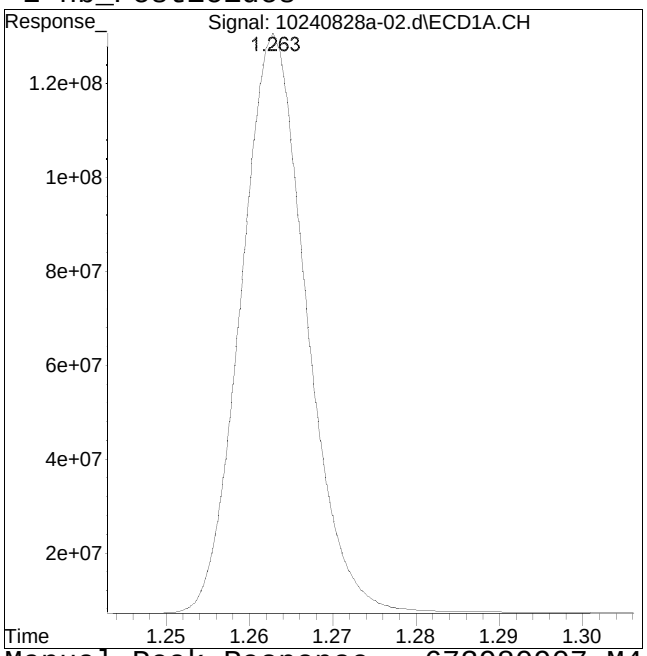
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 677179553



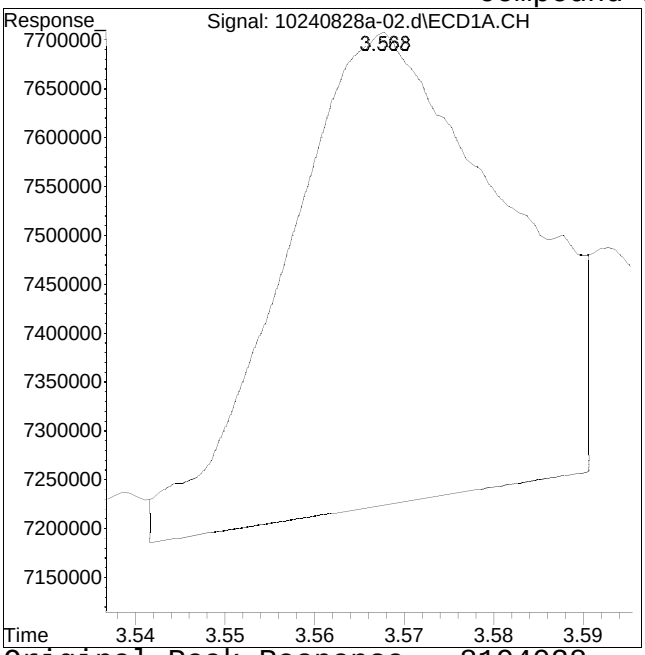
Manual Peak Response = 673980907 M4

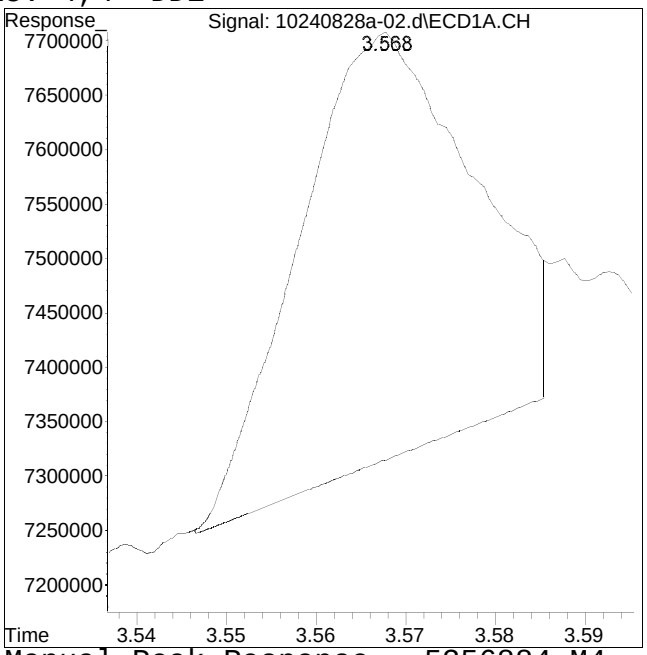
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #15: 4,4'-DDE



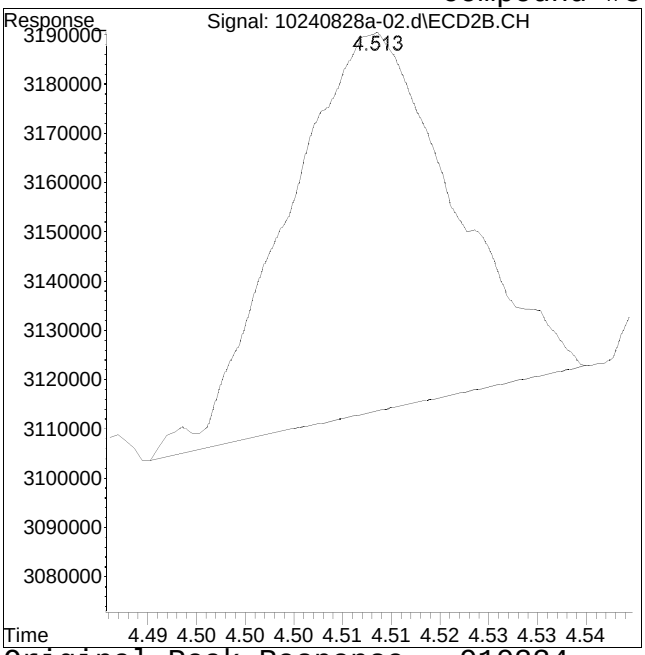


Original Peak Response = 8194028 Manual Peak Response = 5356884 M4
M4 = Poor automated baseline construction.

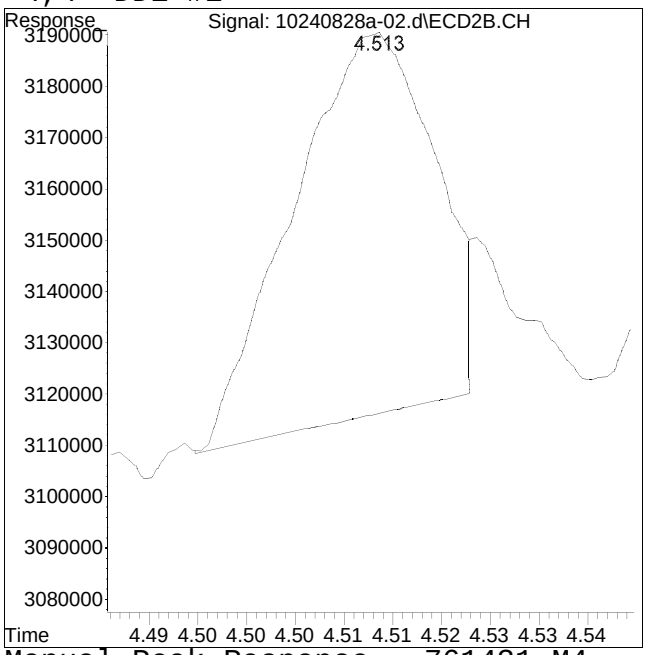
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 910334



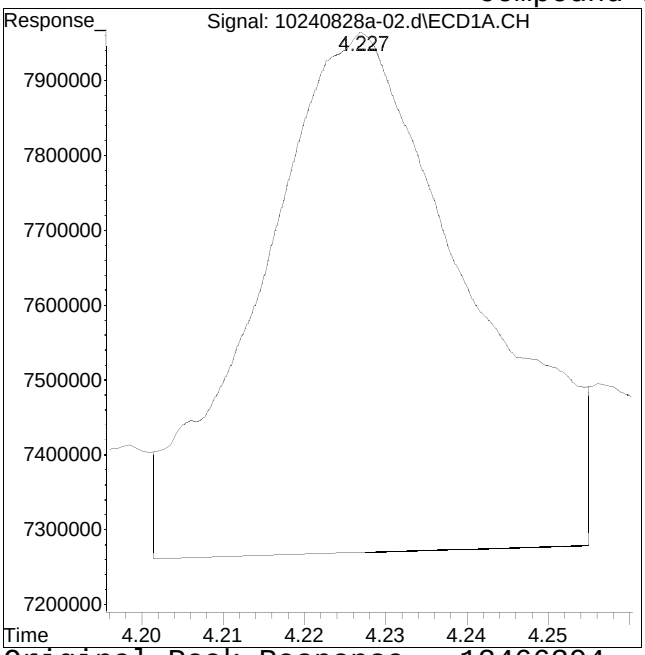
Manual Peak Response = 761431 M4

M4 = Poor automated baseline construction.

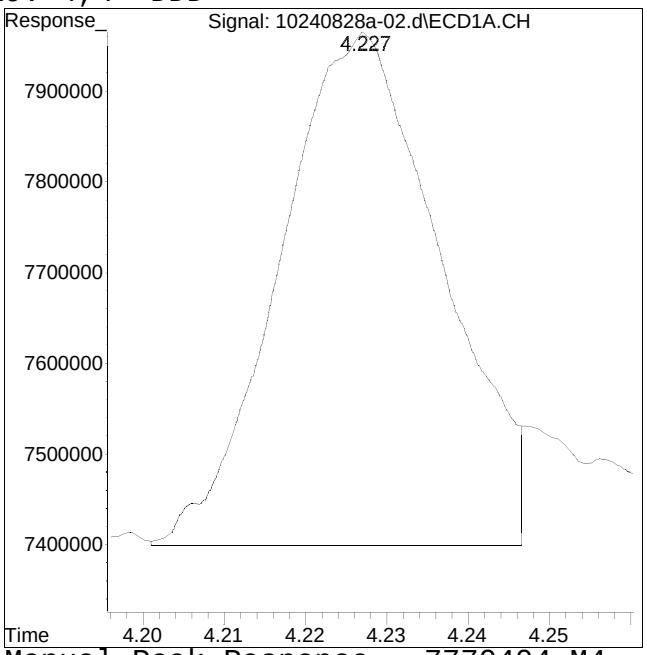
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #19: 4,4'-DDD



Original Peak Response = 12466394



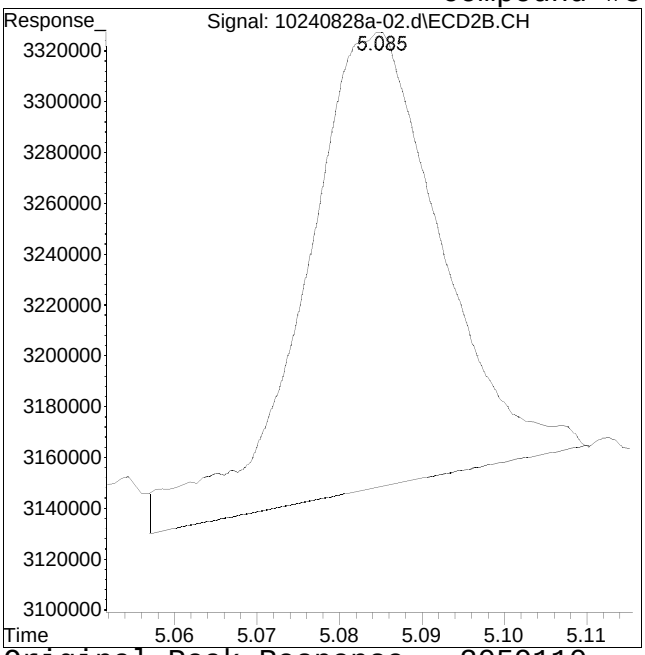
Manual Peak Response = 7770404 M4

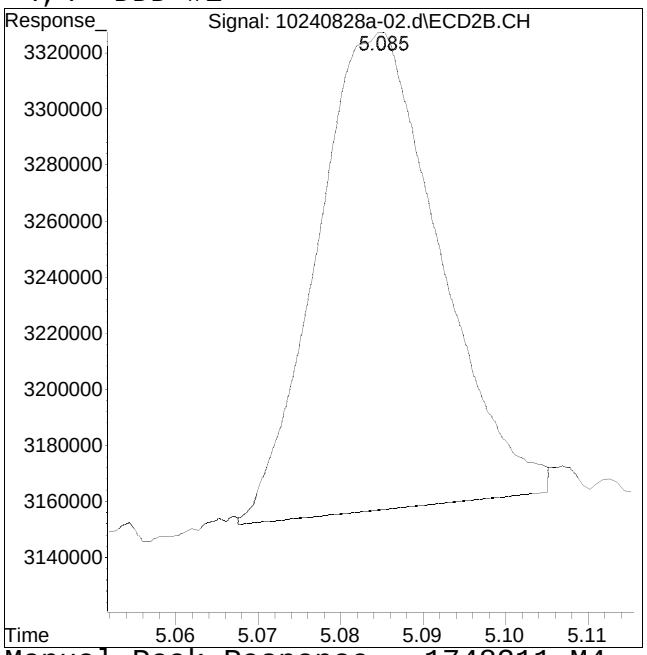
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #57: 4,4'-DDD #2



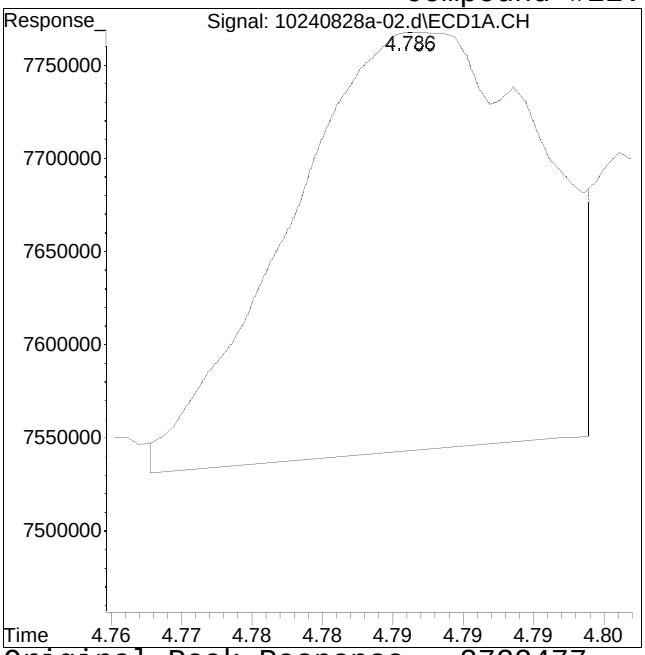


Original Peak Response = 2059110 Manual Peak Response = 1748211 M4
M4 = Poor automated baseline construction.

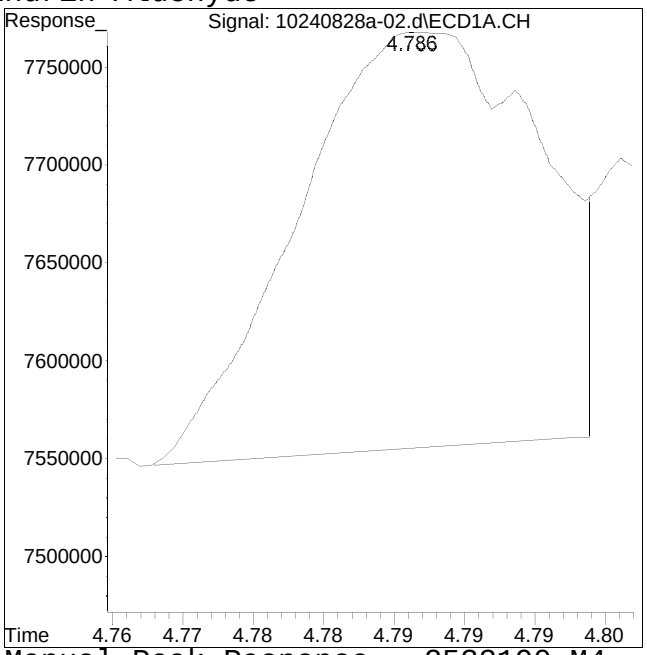
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #22: Endrin Aldehyde



Original Peak Response = 2722477



Manual Peak Response = 2533190 M4

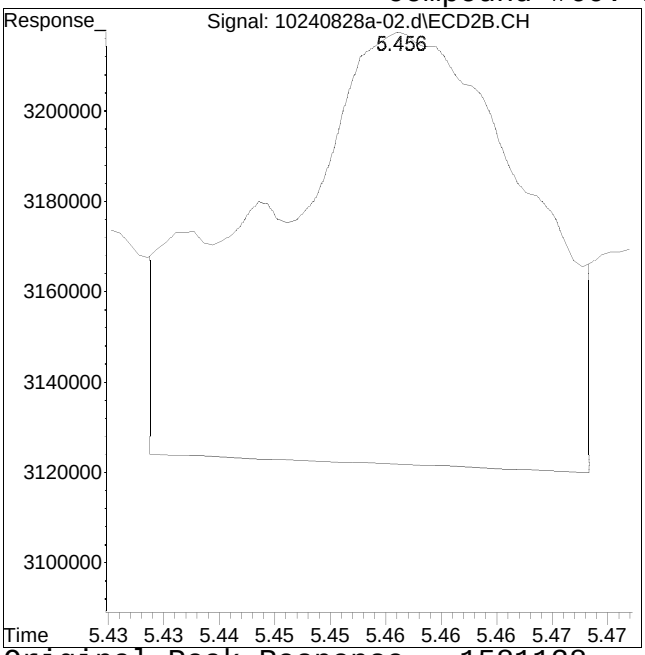
M4 = Poor automated baseline construction.

Manual Integration Report

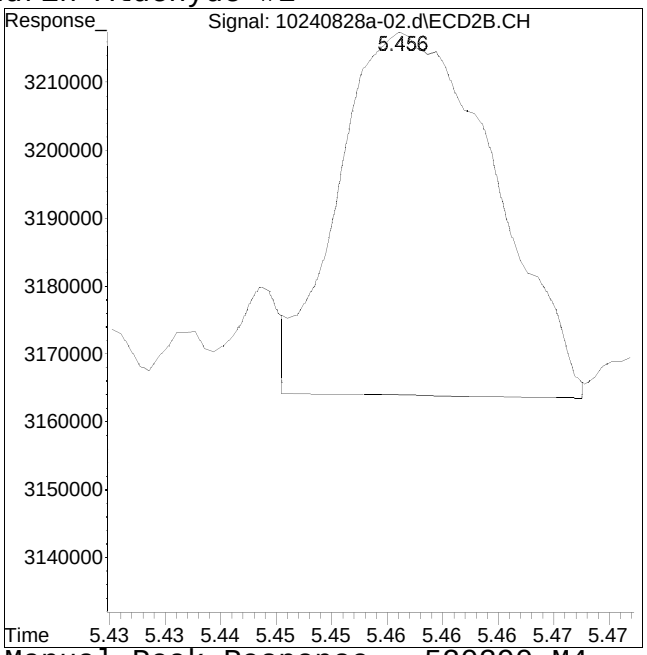
Data Path : I:\PEST\Pest10\2024\240828Q
Data File : 10240828a-02.d
Date Inj'd : 8/28/2024 6:44
Sample : pem10240828a-01,42,,deg115

Method : pest10_2024_07_17_ugL_ic
Operator : PEST10:peg
Instrument : Pest 10
Quant Date : 8/28/2024 7:26 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 1581128



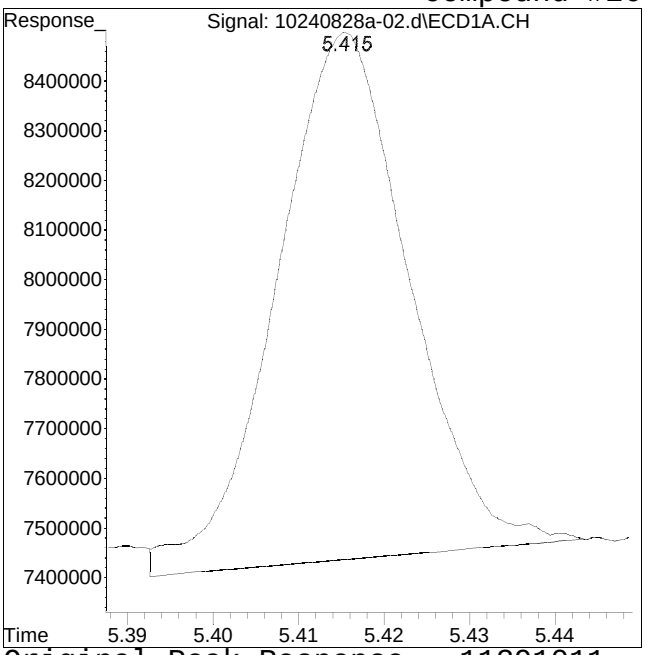
Manual Peak Response = 520390 M4

M4 = Poor automated baseline construction.

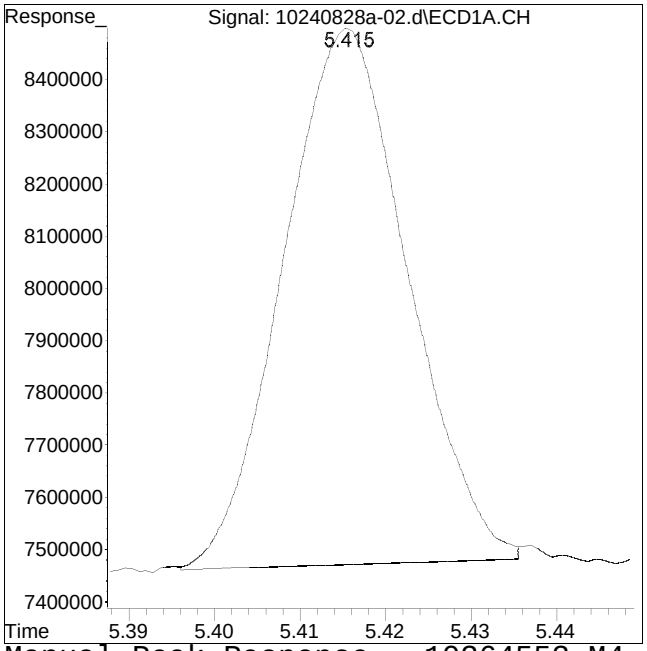
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #26: Endrin Ketone



Original Peak Response = 11391011



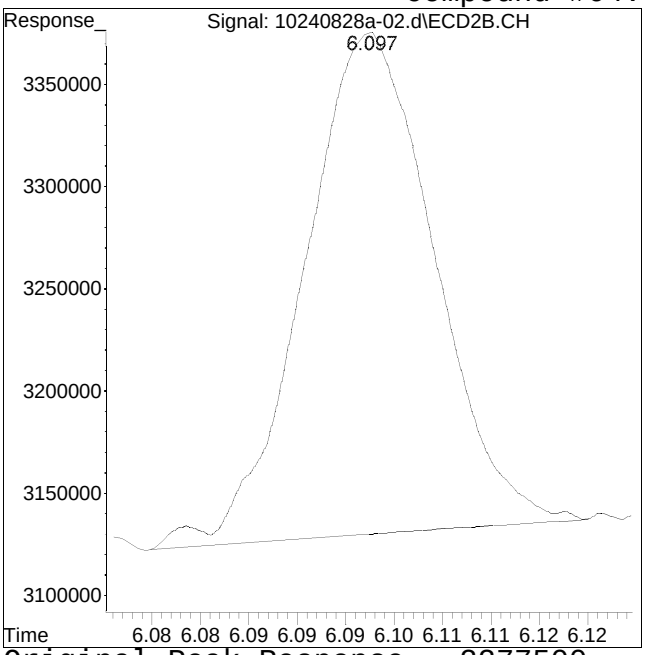
Manual Peak Response = 10364553 M4

M4 = Poor automated baseline construction.

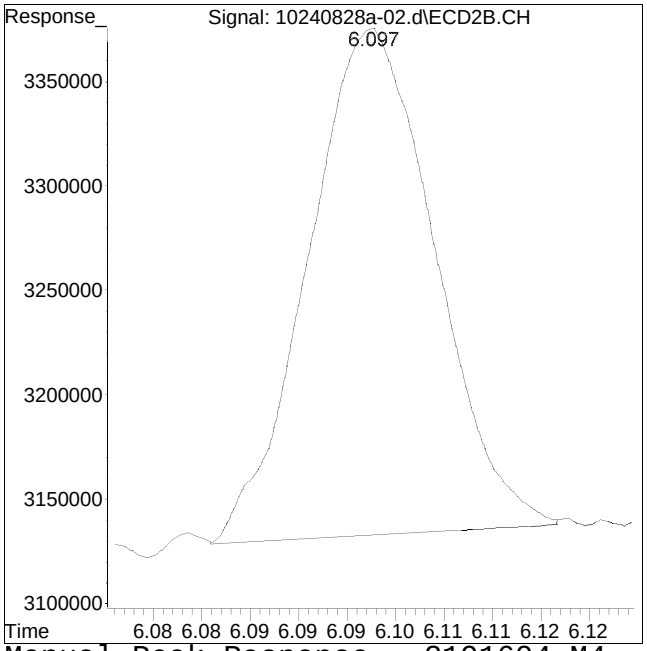
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-02.d Operator : PEST10:peg
Date Inj'd : 8/28/2024 6:44 Instrument : Pest 10
Sample : pem10240828a-01,42,,deg115Quant Date : 8/28/2024 7:26 am

Compound #64: Endrin Ketone #2



Original Peak Response = 2277500



Manual Peak Response = 2191604 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447890**
Project Name	**: RANCO MINE**	**Project Number**	**: 12123**

No Detections Found

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 11:49
Operator : PEST10:mmg
Sample : WG1964642-1,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:43:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.388	800.0E6	182.2E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 712112923				Recovery = 112.35%		
	Standard Area 1 : #2 = 150538774				Recovery = 121.06%		
28) i	1-br-2-nb_Ch	1.264	1.388	800.0E6	182.2E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.264	1.388	800.0E6	182.2E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.600	1.871	1076.2E6	235.7E6	27.196M3	29.046M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 54.39%		58.09%
27) s	Decachlorobi	6.229	6.958	1119.3E6	239.1E6	29.118M4	31.755M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 58.24%		63.51%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 11:49
Operator : PEST10:mmg
Sample : WG1964642-1,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:43:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

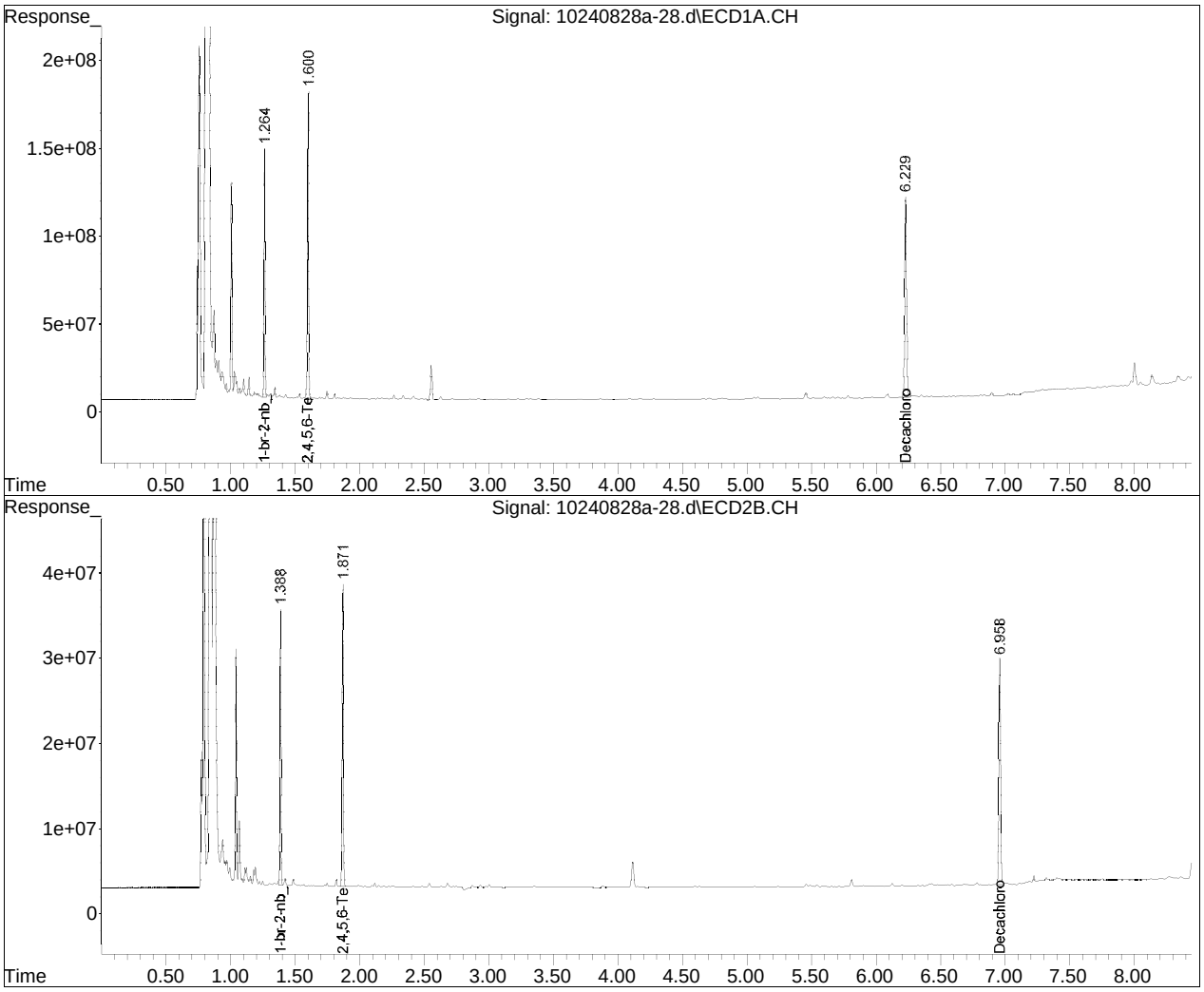
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 11:49
Operator : PEST10:mmg
Sample : WG1964642-1,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:43:57 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

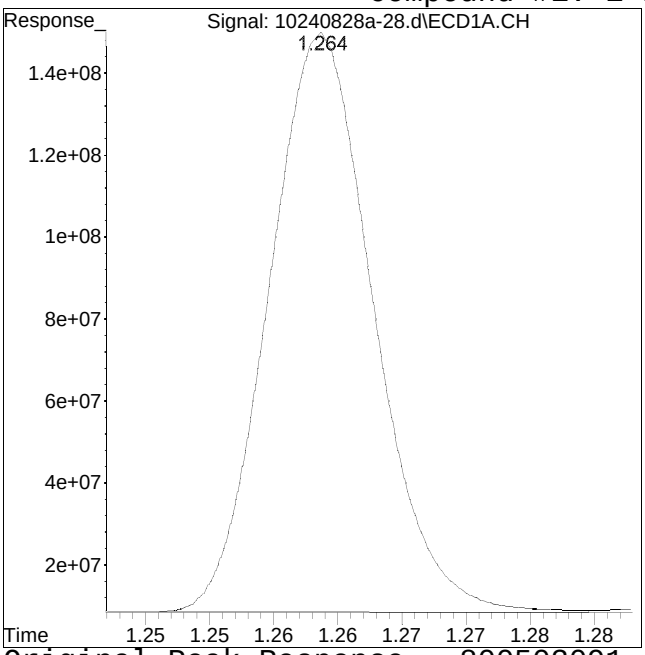
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



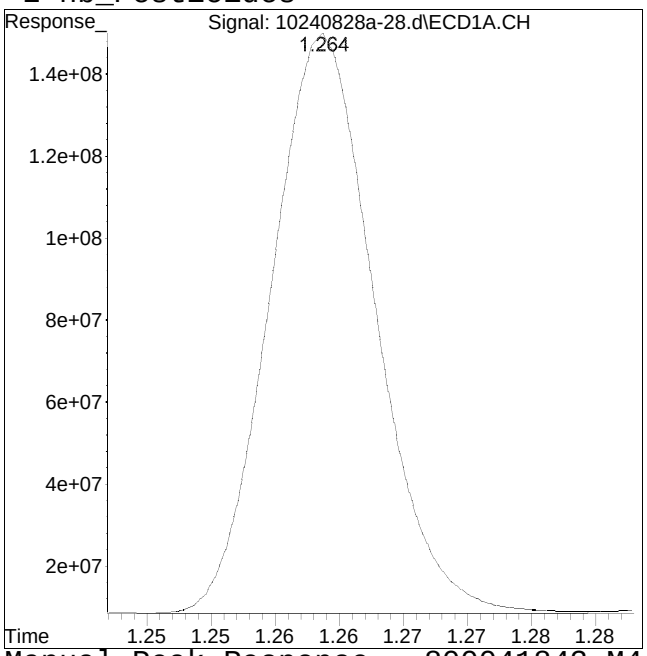
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 800503091



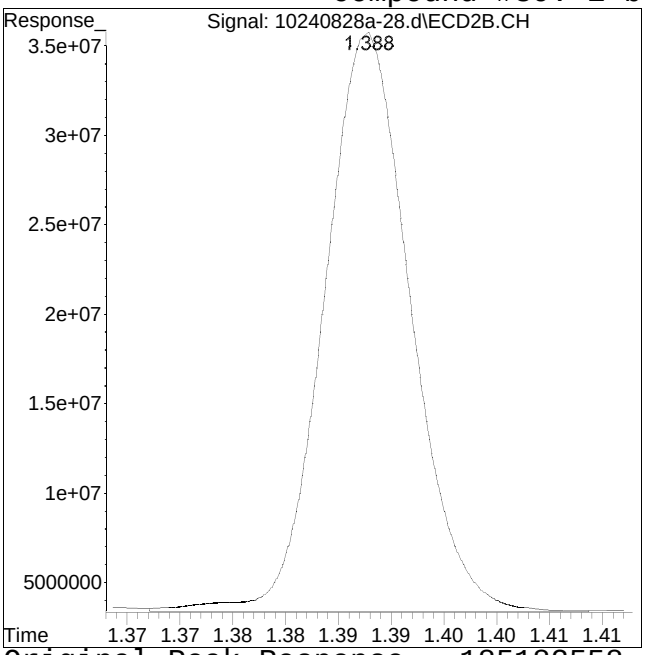
Manual Peak Response = 800041843 M4

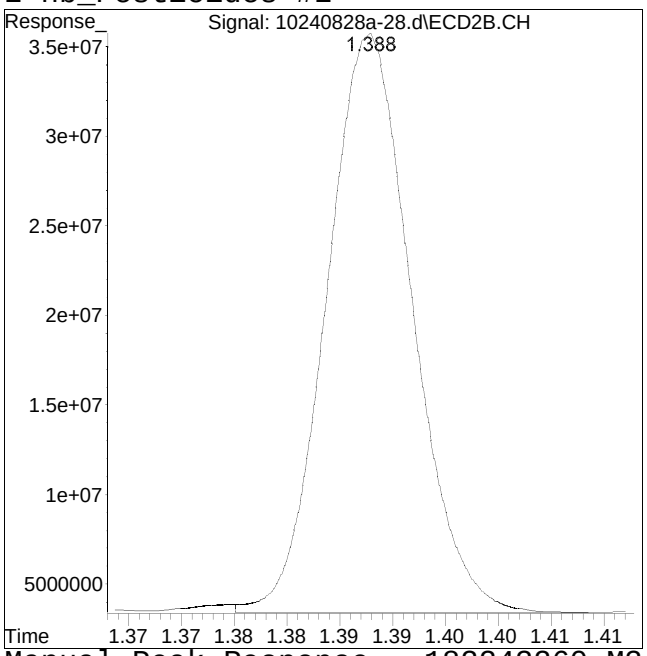
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #39: 1-br-2-nb_Pesticides #2



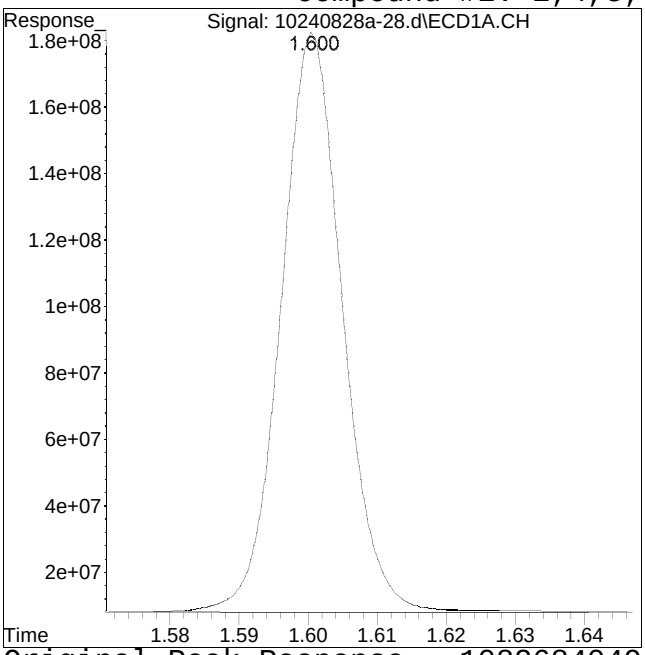


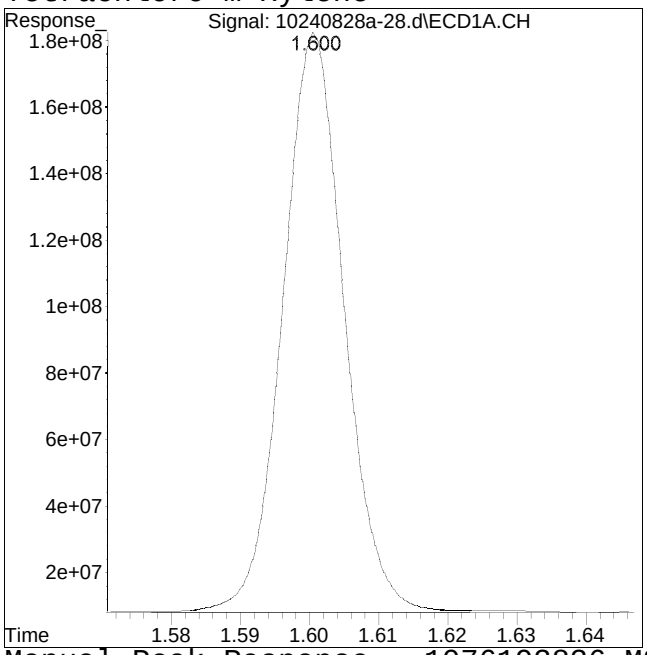
Original Peak Response = 185182558 Manual Peak Response = 182243260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



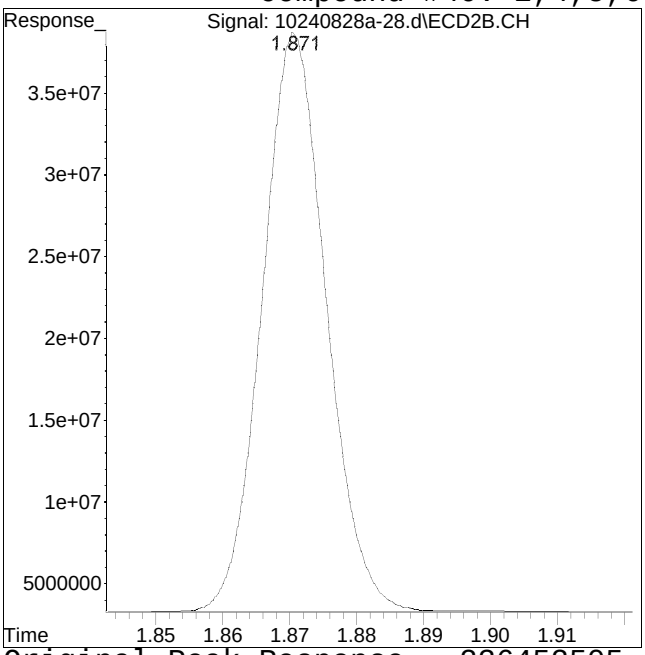


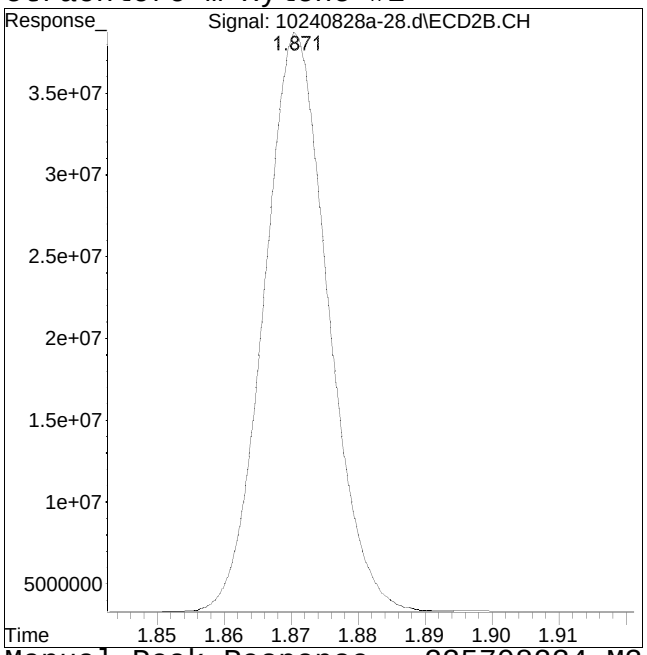
Original Peak Response = 1082684049 Manual Peak Response = 1076193836 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



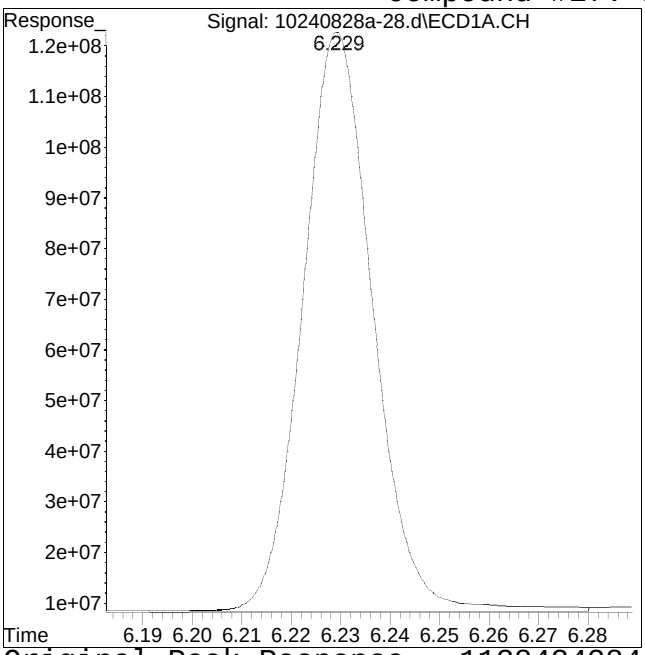


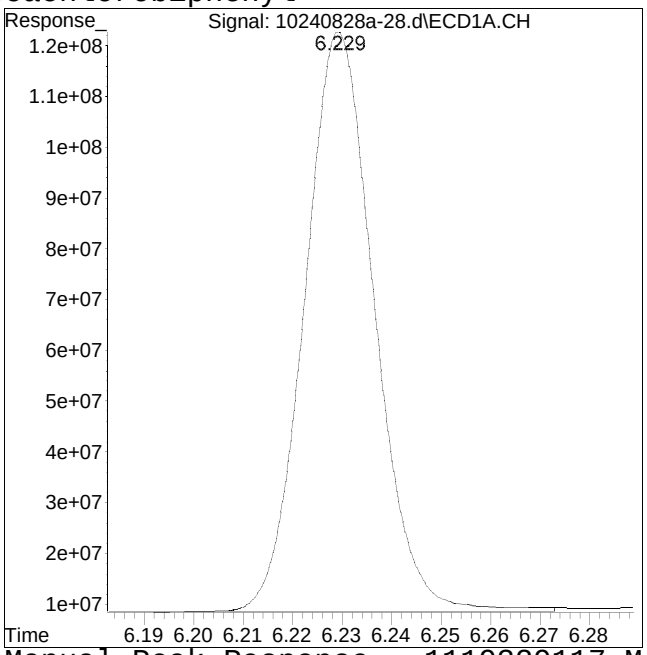
Original Peak Response = 236452505 Manual Peak Response = 235708234 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #27: Decachlorobiphenyl



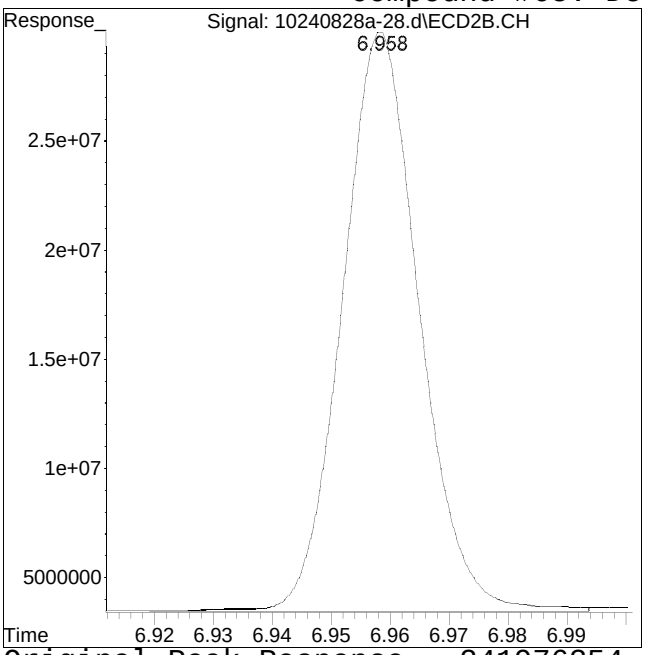


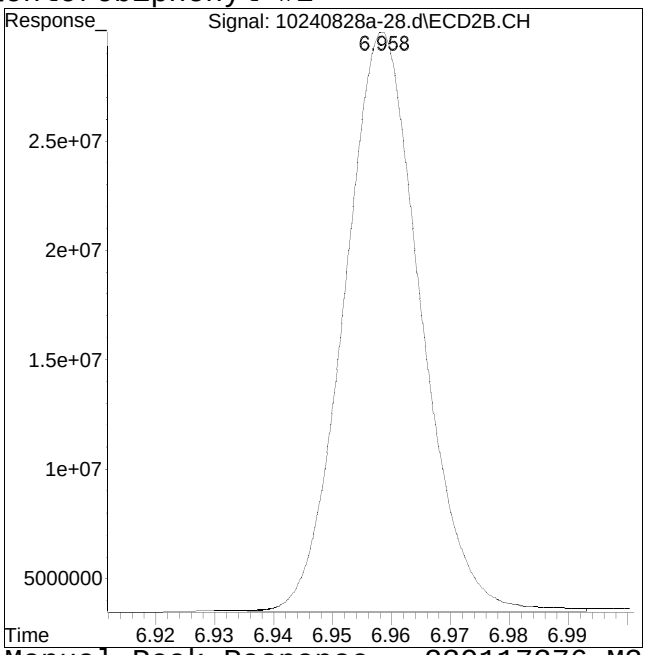
Original Peak Response = 1138424284 Manual Peak Response = 1119329117 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #65: Decachlorobiphenyl #2



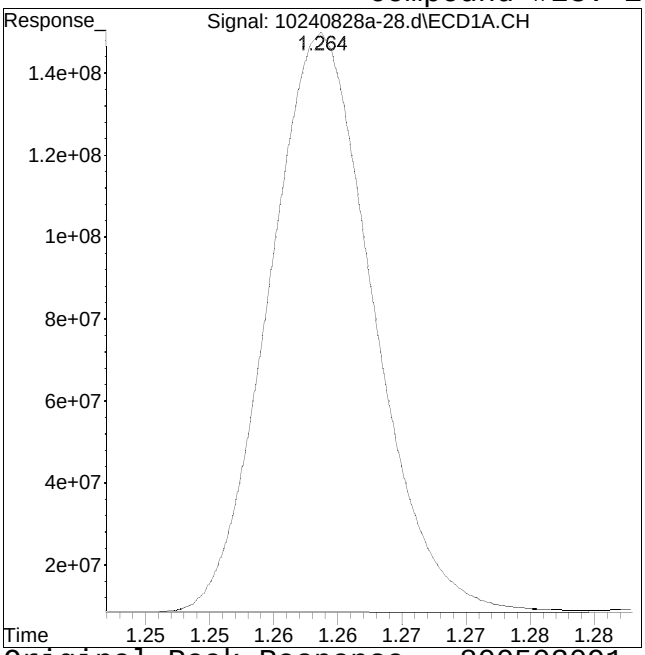


Original Peak Response = 241976354 Manual Peak Response = 239117376 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

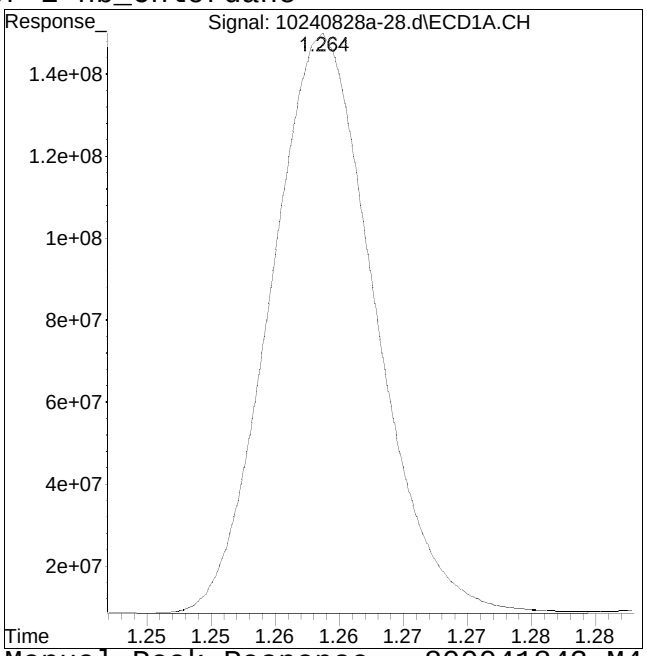
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 800503091



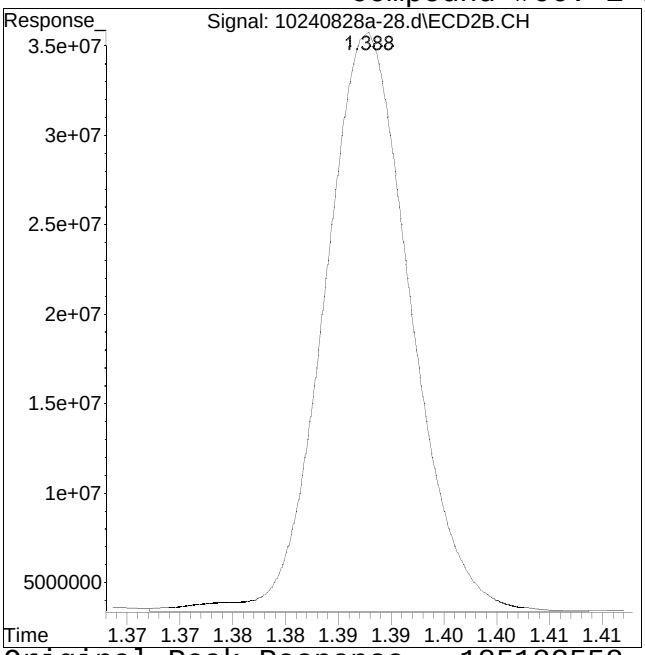
Manual Peak Response = 800041843 M4

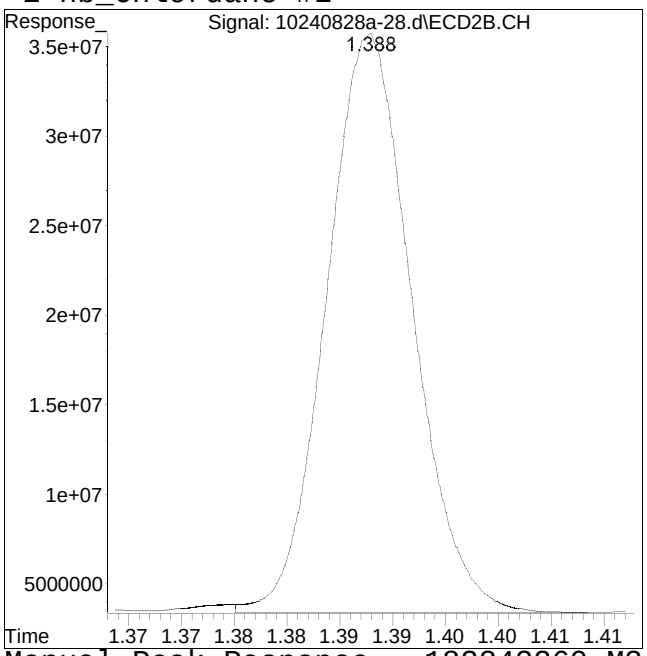
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #66: 1-br-2-nb_Chlordane #2



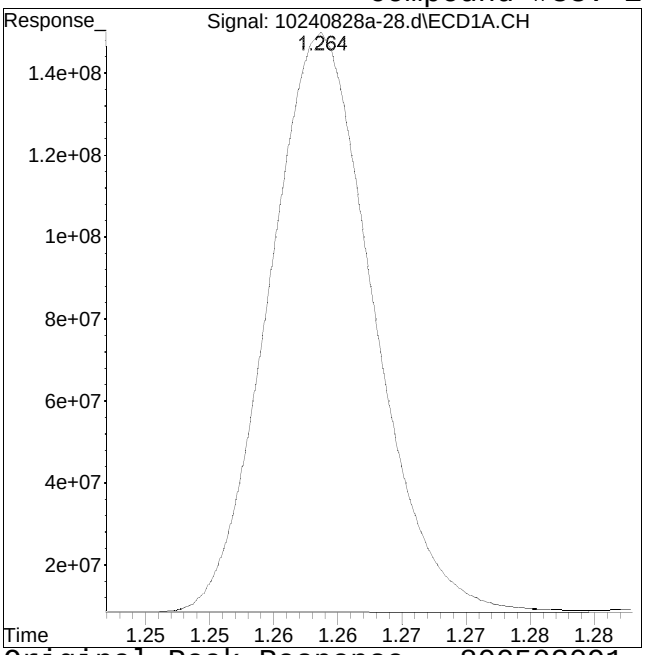


Original Peak Response = 185182558 Manual Peak Response = 182243260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

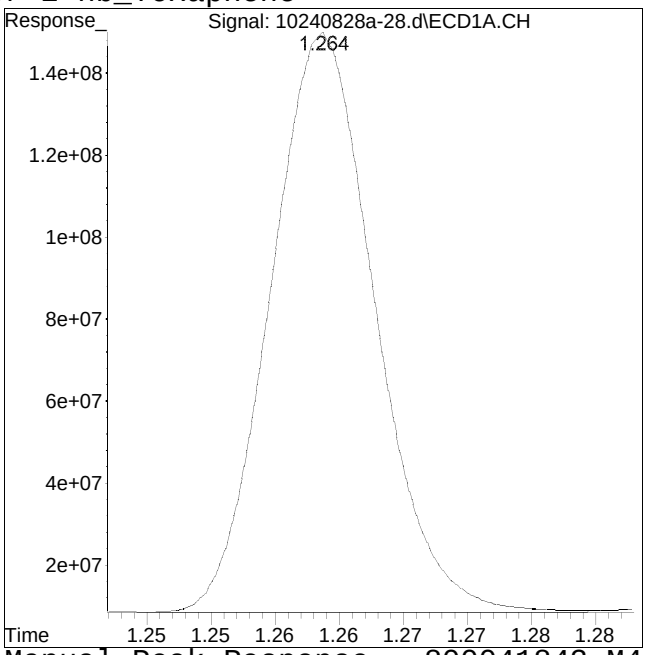
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 800503091



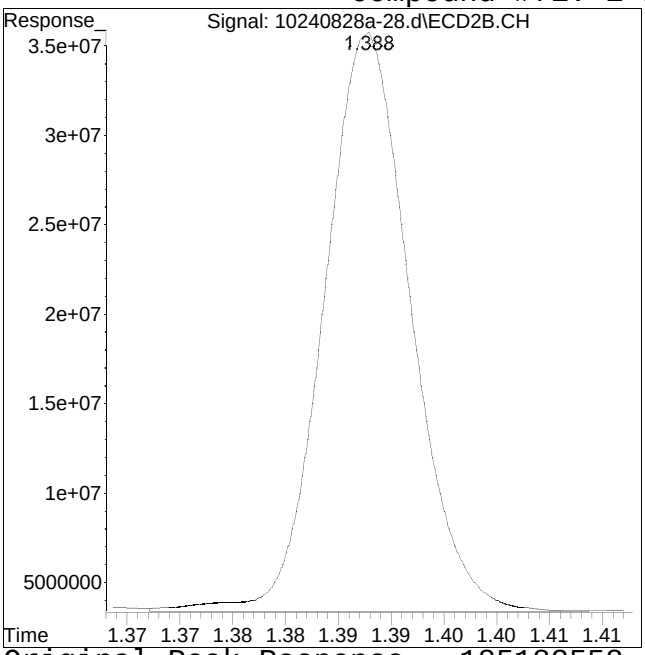
Manual Peak Response = 800041843 M4

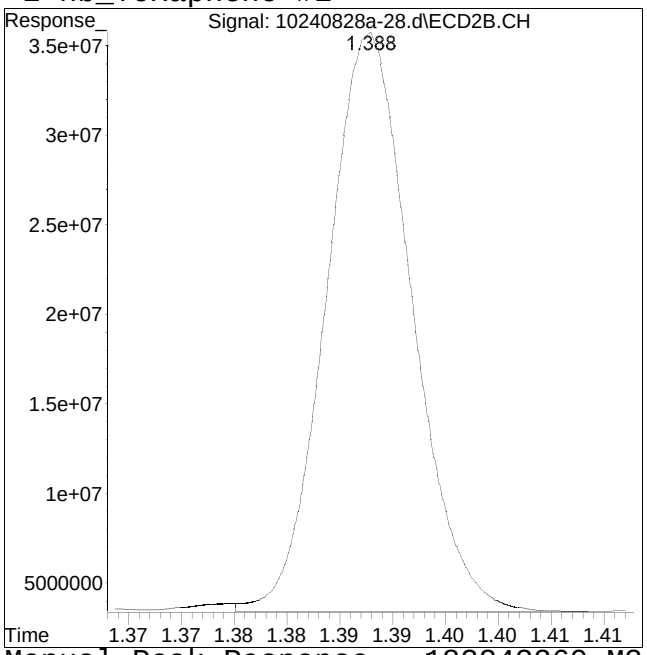
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-28.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 11:49 Instrument : Pest 10
Sample : WG1964642-1,42,, Quant Date : 8/28/2024 12:43 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 185182558 Manual Peak Response = 182243260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:00
Operator : PEST10:mmg
Sample : WG1964642-2,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards								
1)	i	1-br-2-nb_Pe	1.263	1.387	783.9E6	177.8E6	25.000	25.000
		Standard Area 1 : #1 = 712112923				Recovery =	110.08%	
		Standard Area 1 : #2 = 150538774				Recovery =	118.10%	
System Monitoring Compounds								
2)	s	2,4,5,6-Tetr	1.600	1.870	1162.5E6	254.3E6	29.983	32.124M3
		Spiked Amount	50.000	Range 30 - 150		Recovery =	59.97%	64.25%
27)	s	Decachlorobi	6.229	6.959	1153.0E6	247.0E6	30.614M3	33.624M3
		Spiked Amount	50.000	Range 30 - 150		Recovery =	61.23%	67.25%
Target Compounds								
4)	t	alpha-BHC	1.905	2.293	1658.4E6	358.5E6	29.670M4	32.159
5)	t	gamma-BHC (l	2.102	2.581	1561.7E6	335.0E6	29.659M4	31.872M4
6)	t	beta-BHC	2.158	2.646	666.2E6	149.8E6	29.198M4	29.998M4
7)	t	delta-BHC	2.283	2.915	1432.9E6	285.5E6	27.067M4	26.917M4
8)	t	Heptachlor	2.441	2.982	1570.6E6	331.3E6	31.519M4	31.810M3
9)	t	Aldrin	2.678	3.303	1342.1E6	306.5E6	28.265M4	31.997M4
12)	t	Heptachlor E	3.213	3.924	1373.5E6	291.3E6	30.589M4	30.601M4
13)	t	gamma-Chlord	3.334	4.146	1396.0E6	317.4E6	33.710M4	37.350M3
14)	t	alpha-Chlord	3.466	4.315	1275.8E6	309.3E6	26.866M4	32.034M4
15)	t	4,4'-DDE	3.563	4.512	1352.5E6	306.2E6	29.375M4	33.433
16)	t	Endosulfan I	3.600	4.376	1272.8E6	293.0E6	29.846M3	32.695M4
17)	t	Dieldrin	3.856	4.667	1505.6E6	328.9E6	33.817M4	36.698M3
18)	t	Endrin	4.108	4.964	1449.7E6	308.6E6	31.621M4	33.701
19)	t	4,4'-DDD	4.225	5.084	1210.0E6	264.7E6	32.266M4	36.184
20)	t	Endosulfan I	4.357	5.161	1316.2E6	288.0E6	32.310M4	34.480M4
21)	t	4,4'-DDT	4.527	5.361	1292.1E6	279.6E6	30.767M3	34.620M4
22)	t	Endrin Aldeh	4.785	5.458	871.2E6	194.3E6	25.841M4	27.938
23)	t	Methoxychlor	5.027	5.925	734.3E6	155.7E6	31.571M4	34.368M4

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:00
Operator : PEST10:mmg
Sample : WG1964642-2,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
25) t Endosulfan S	5.185	5.685	1256.7E6	270.1E6	31.994M4	33.539M3
26) t Endrin Keton	5.415	6.097	1487.7E6	321.6E6	33.681M4	36.616M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

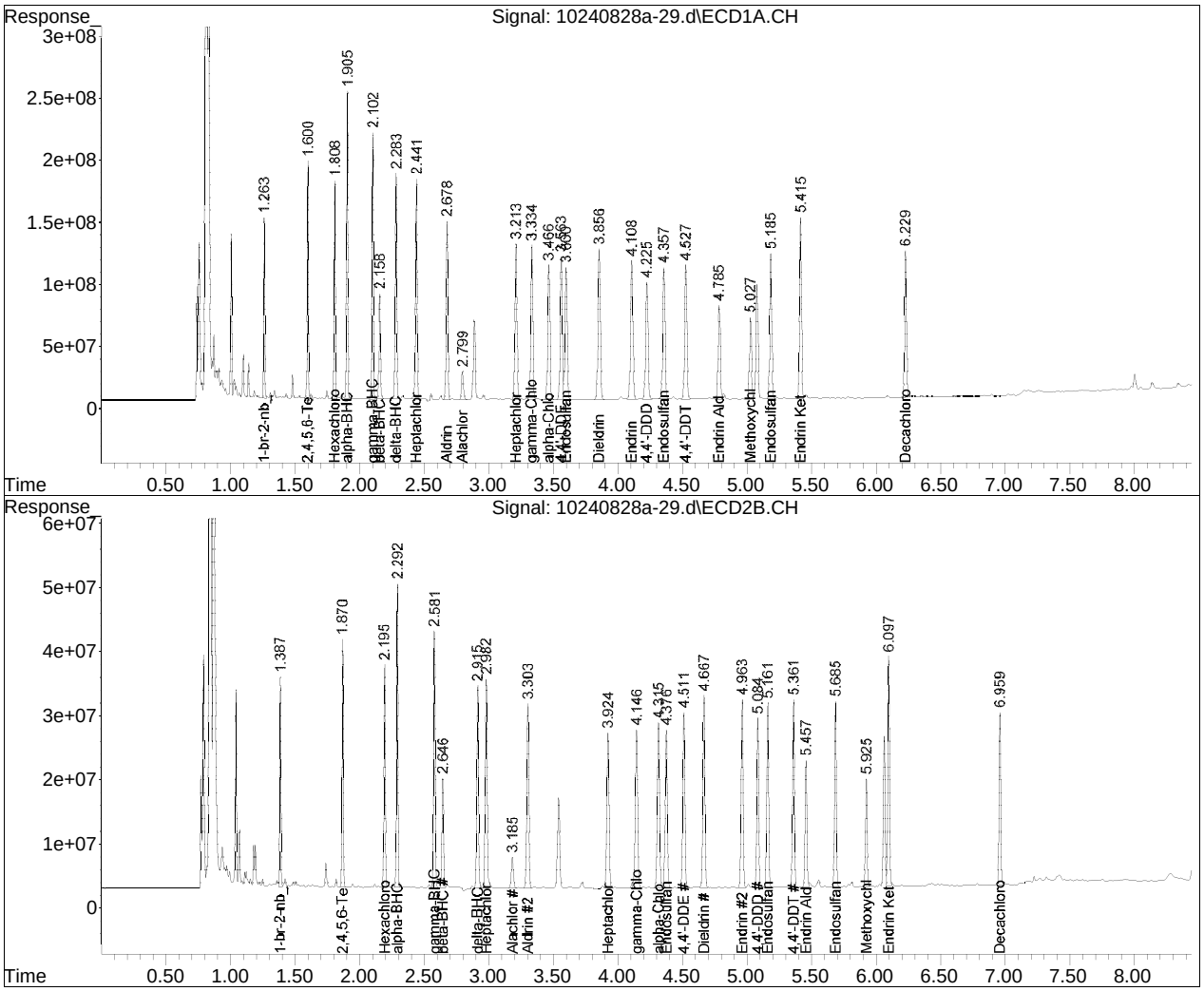
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2024\240828A\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:00
Operator : PEST10:mmg
Sample : WG1964642-2,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:00 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

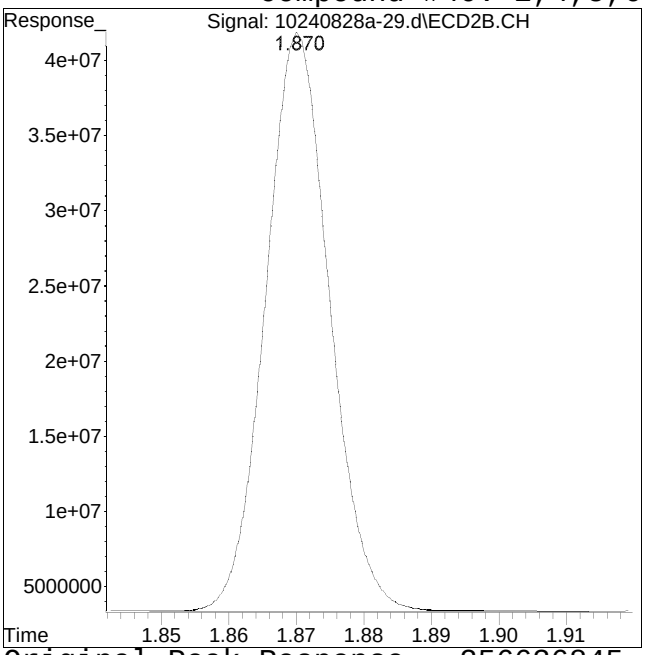
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

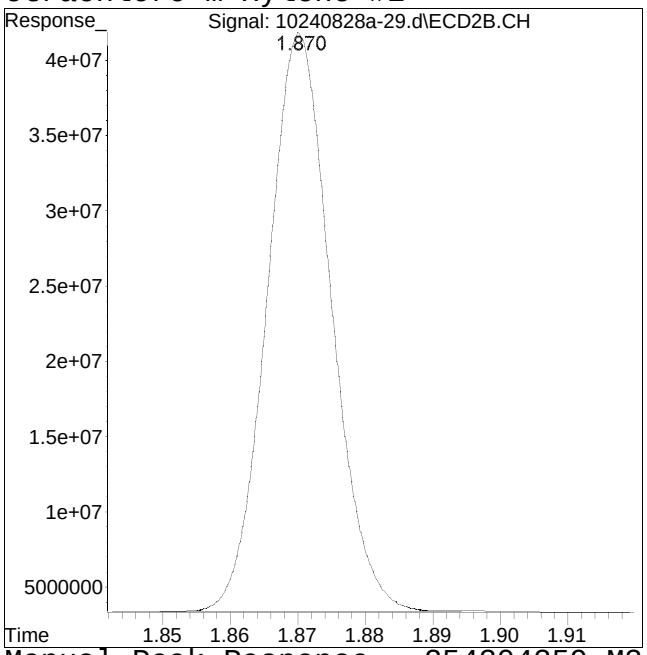


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



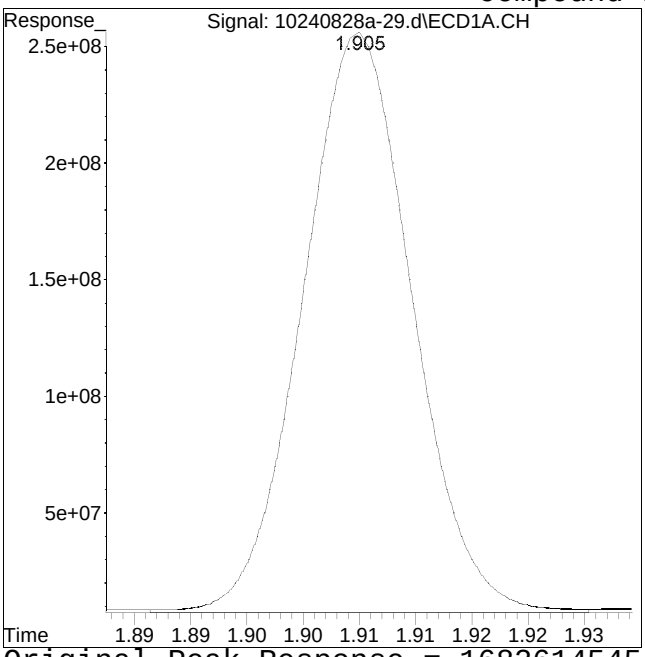


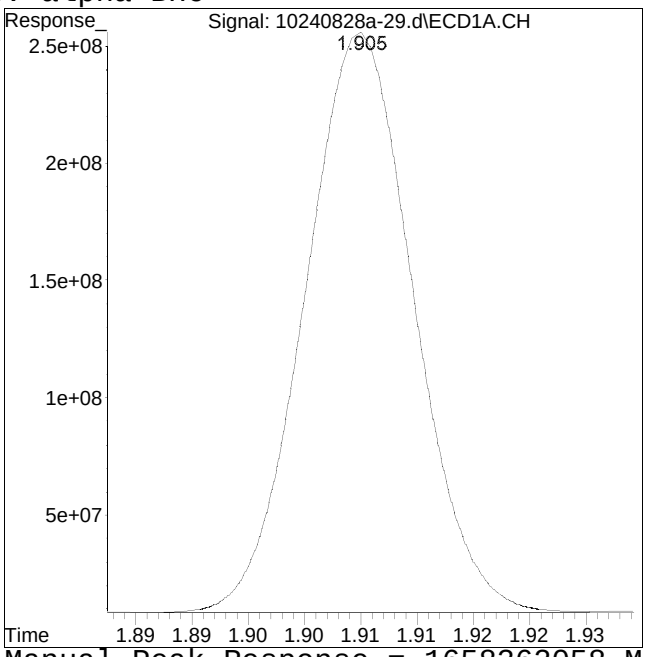
Original Peak Response = 256636845 Manual Peak Response = 254304359 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #4: alpha-BHC



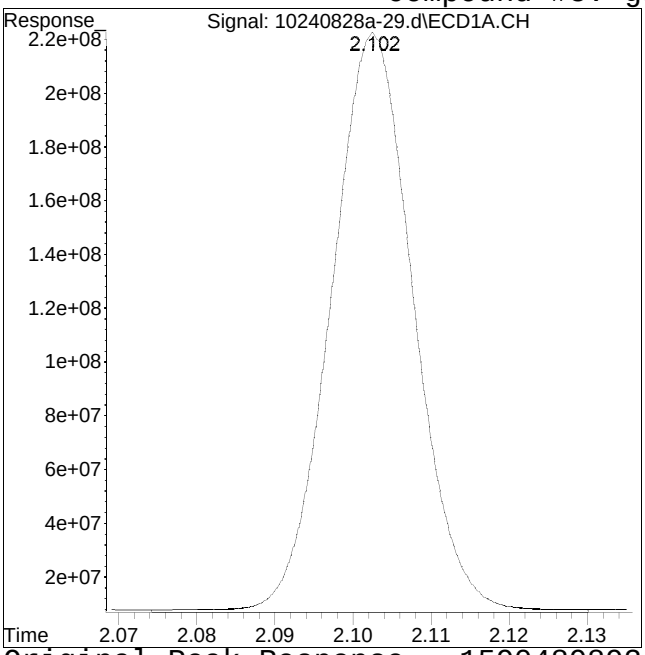


Original Peak Response = 1682614545 Manual Peak Response = 1658362058 M4
M4 = Poor automated baseline construction.

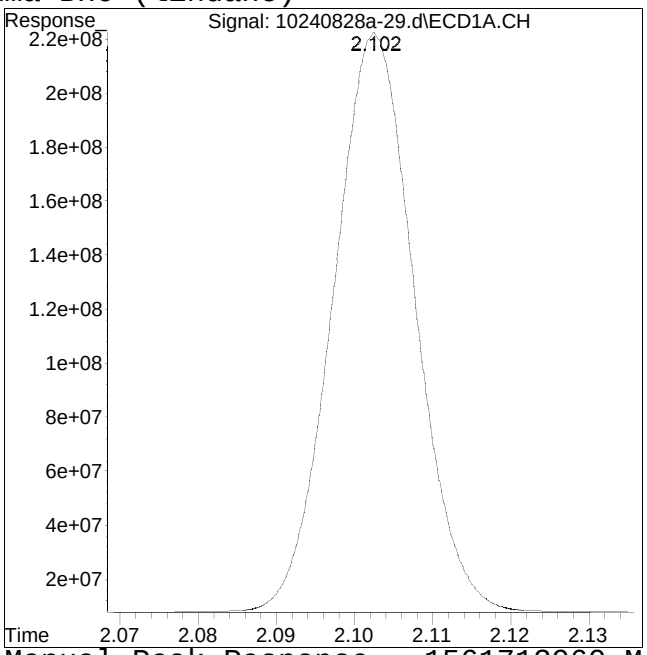
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 1590489893



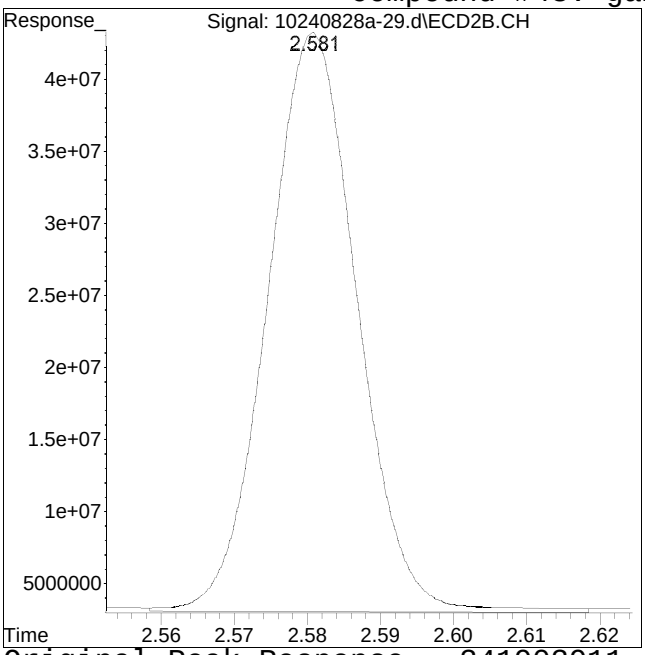
Manual Peak Response = 1561713960 M4

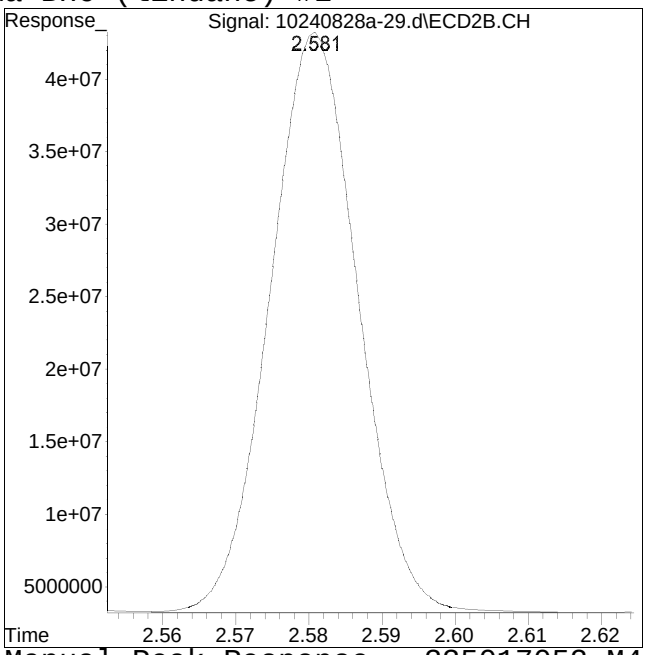
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #43: gamma-BHC (lindane) #2



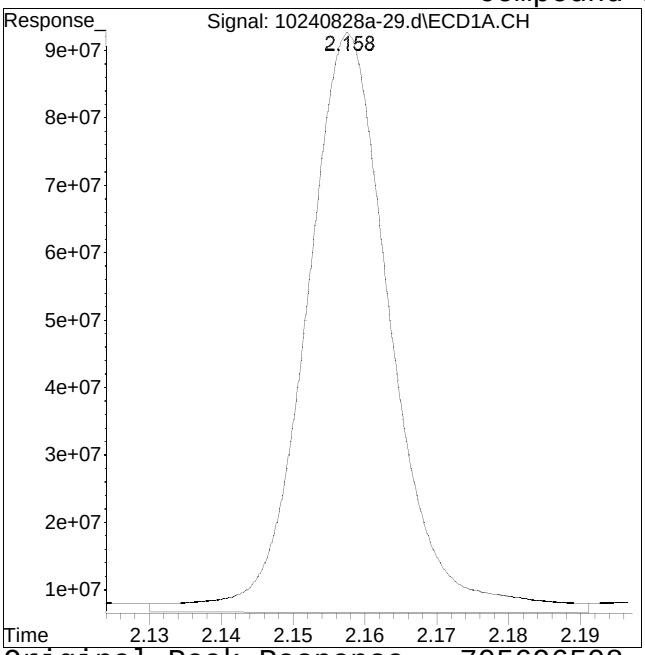


Original Peak Response = 341903911 Manual Peak Response = 335017052 M4
M4 = Poor automated baseline construction.

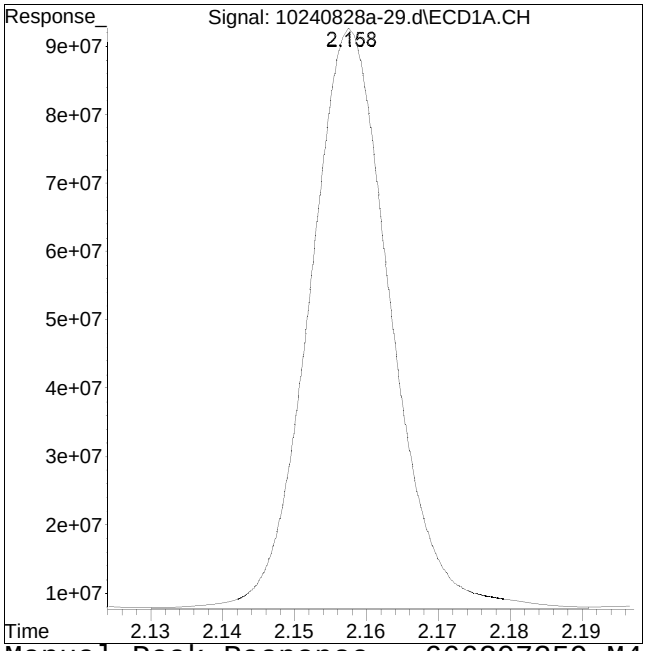
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #6: beta-BHC



Original Peak Response = 705696508



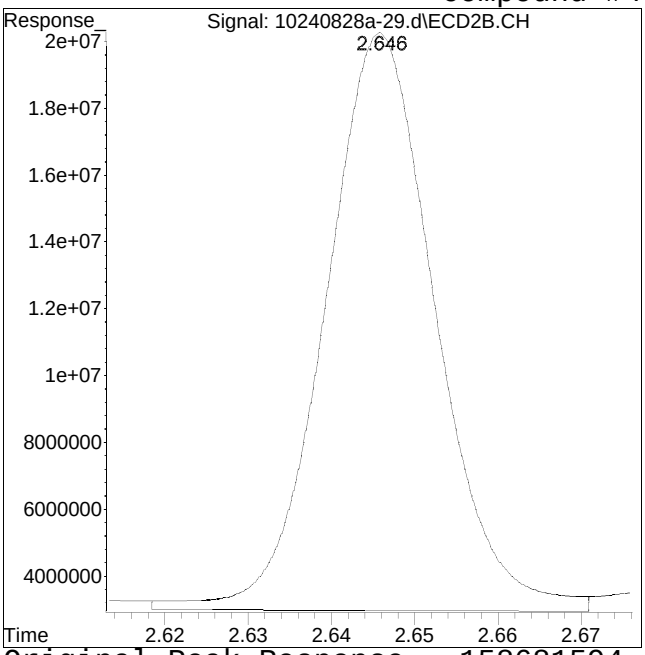
Manual Peak Response = 666207259 M4

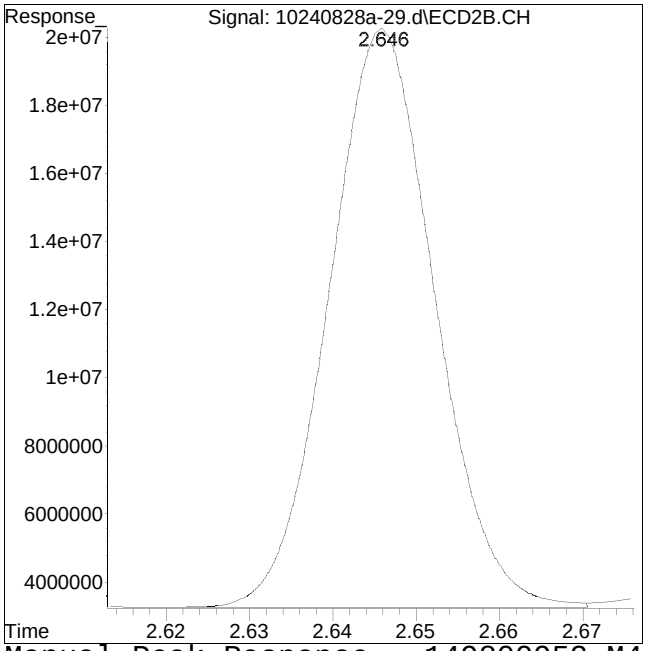
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #44: beta-BHC #2



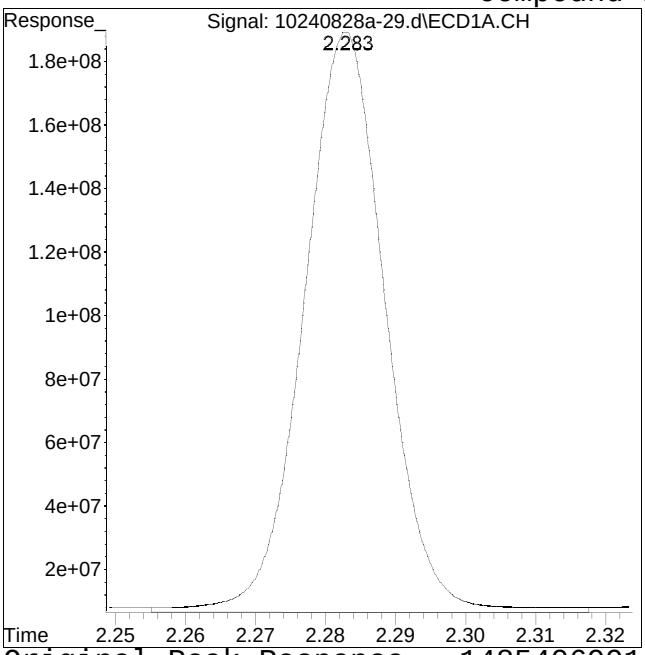


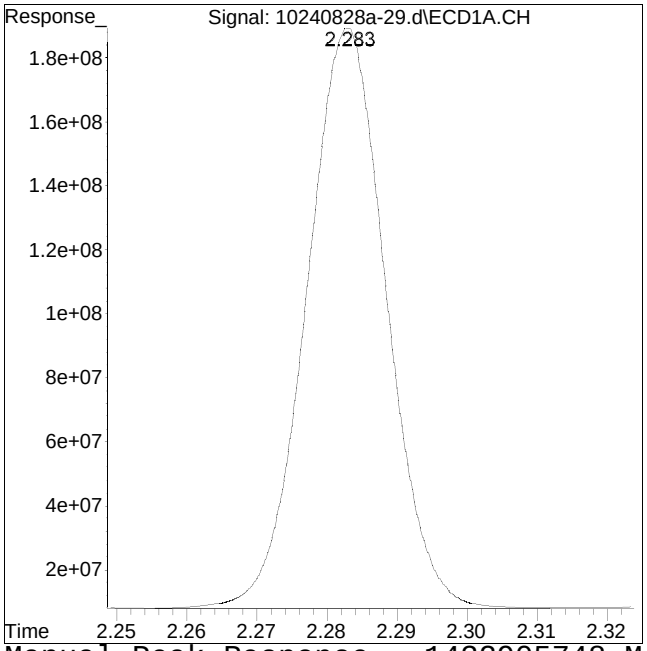
Original Peak Response = 158681594 Manual Peak Response = 149800952 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #7: delta-BHC



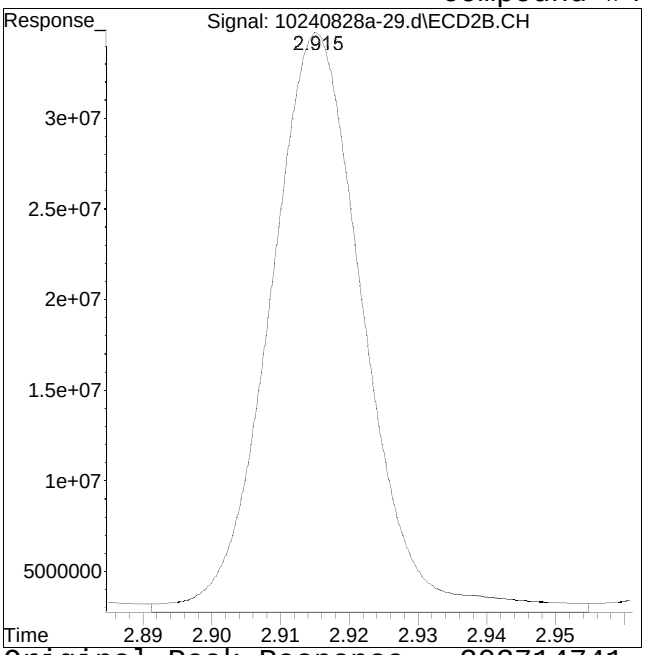


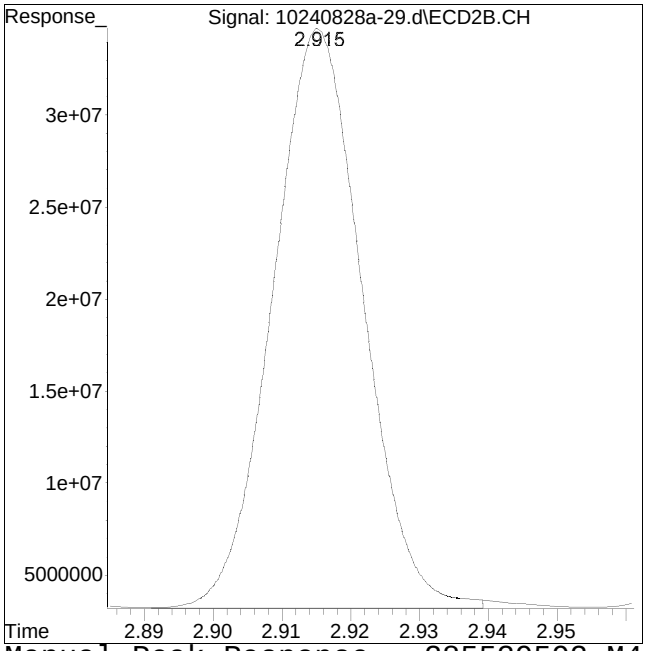
Original Peak Response = 1485406991 Manual Peak Response = 1432905748 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #45: delta-BHC #2



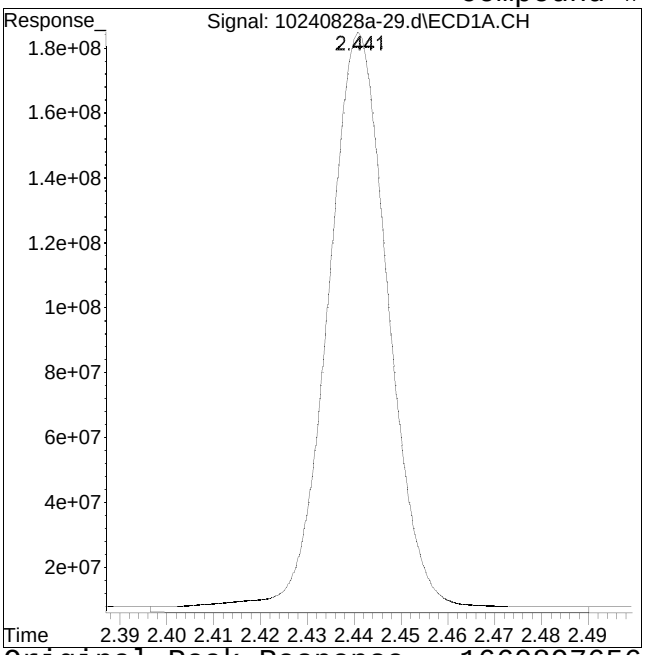


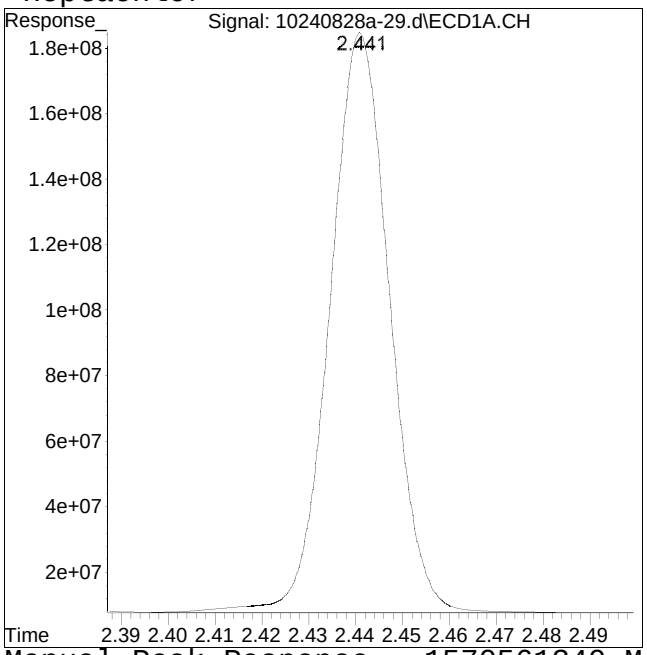
Original Peak Response = 303714741 Manual Peak Response = 285539592 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #8: Heptachlor



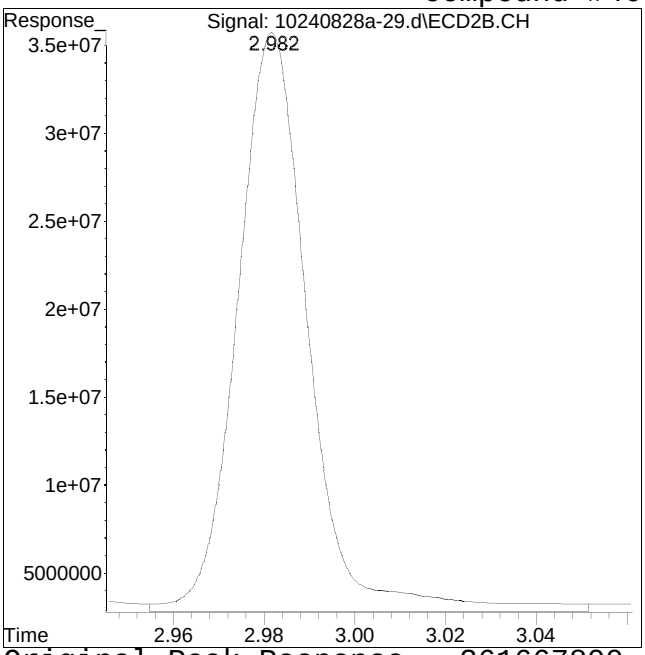


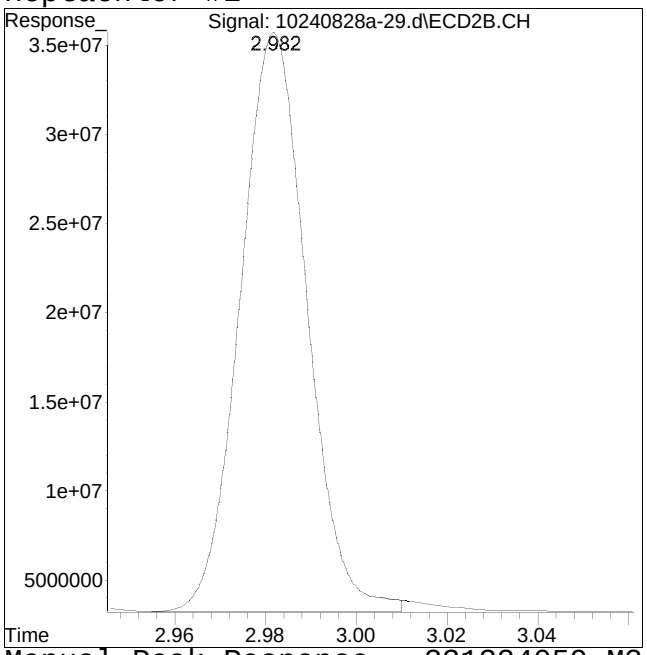
Original Peak Response = 1660897656 Manual Peak Response = 1570561340 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #46: Heptachlor #2



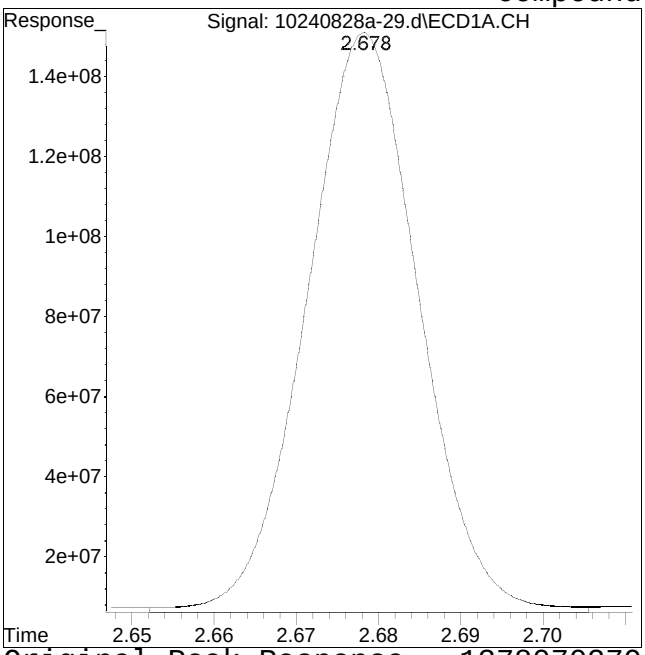


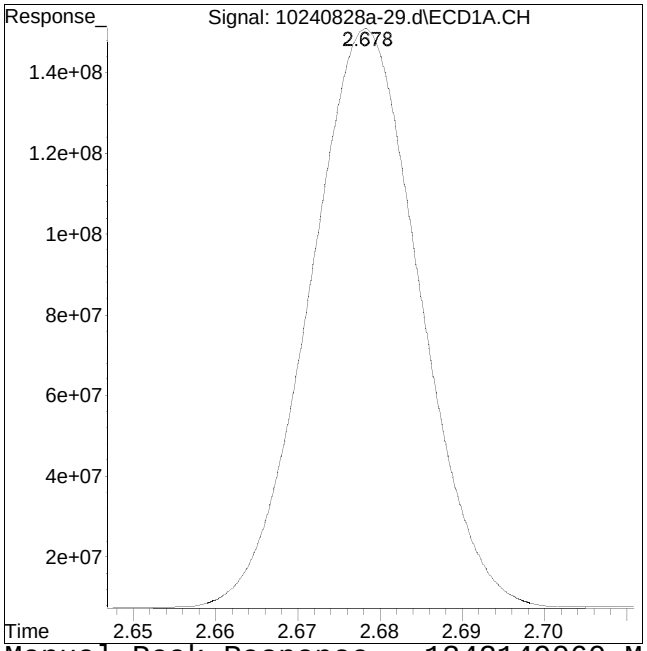
Original Peak Response = 361667800 Manual Peak Response = 331324059 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #9: Aldrin



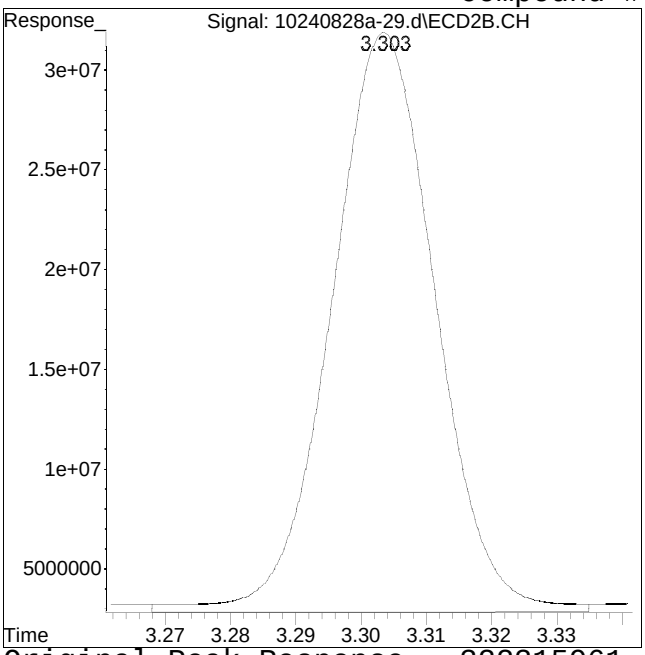


Original Peak Response = 1378070279 Manual Peak Response = 1342149060 M4
M4 = Poor automated baseline construction.

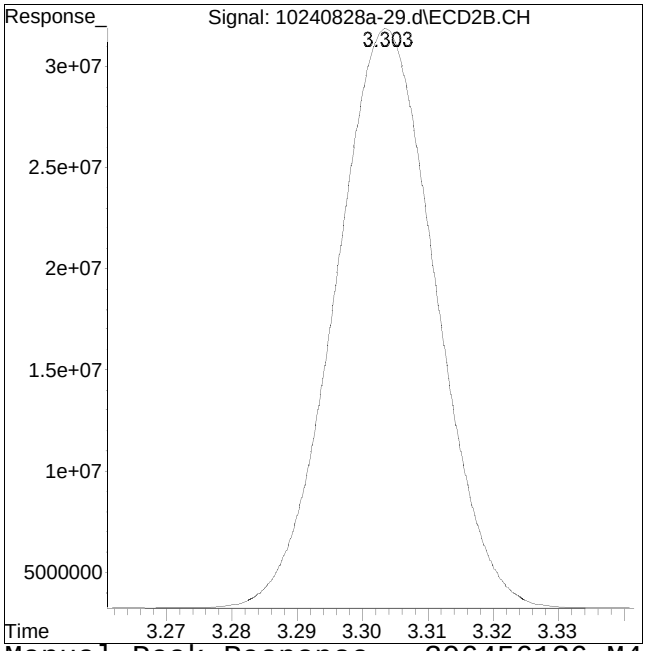
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #47: Aldrin #2



Original Peak Response = 322315961



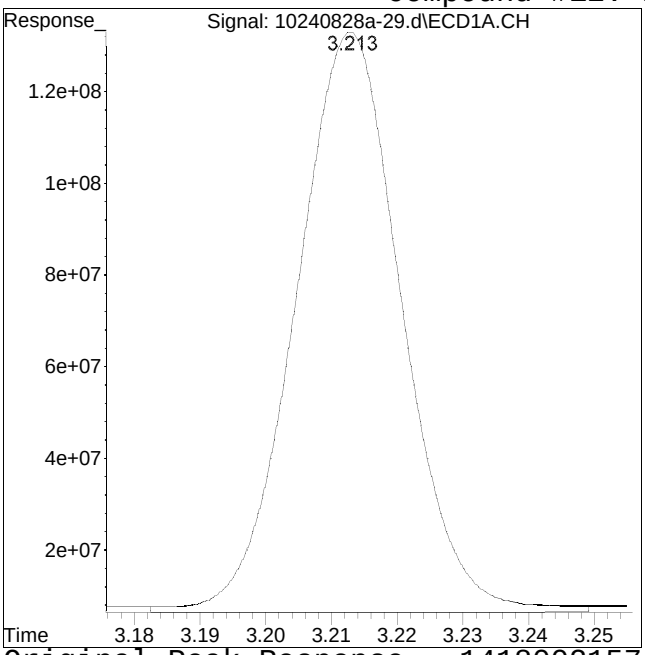
Manual Peak Response = 306456136 M4

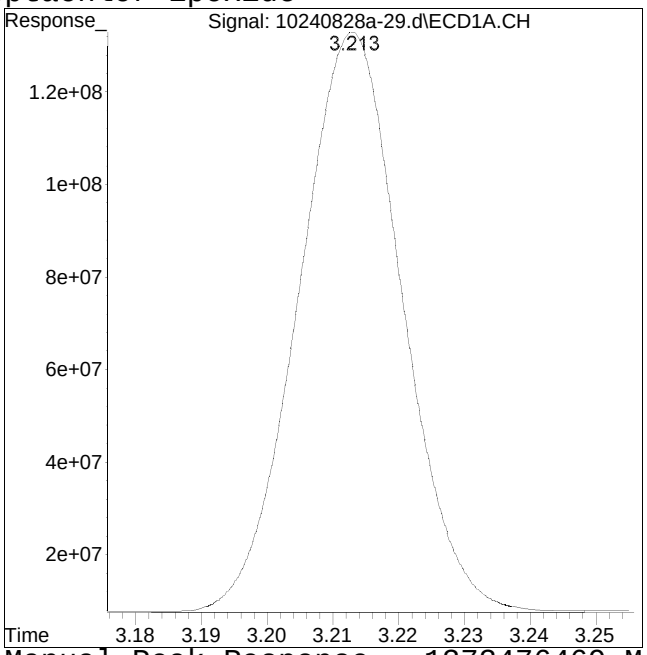
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #12: Heptachlor Epoxide



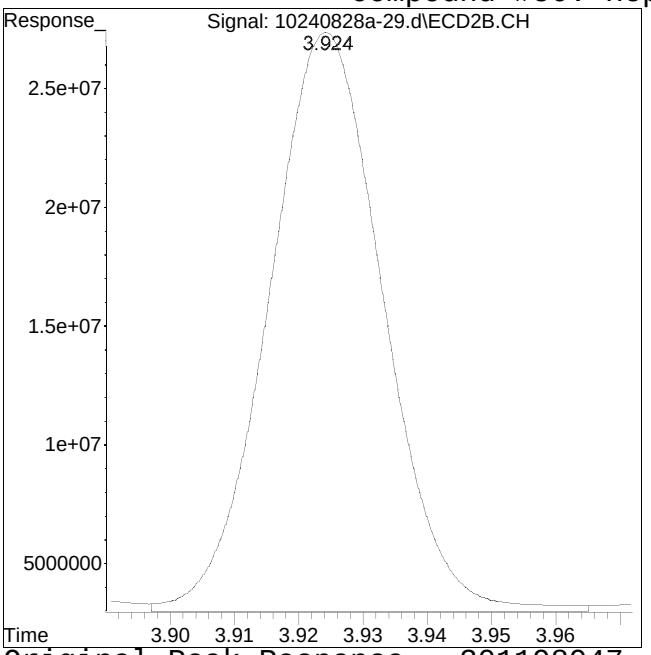


Original Peak Response = 1418002157 Manual Peak Response = 1373476469 M4
M4 = Poor automated baseline construction.

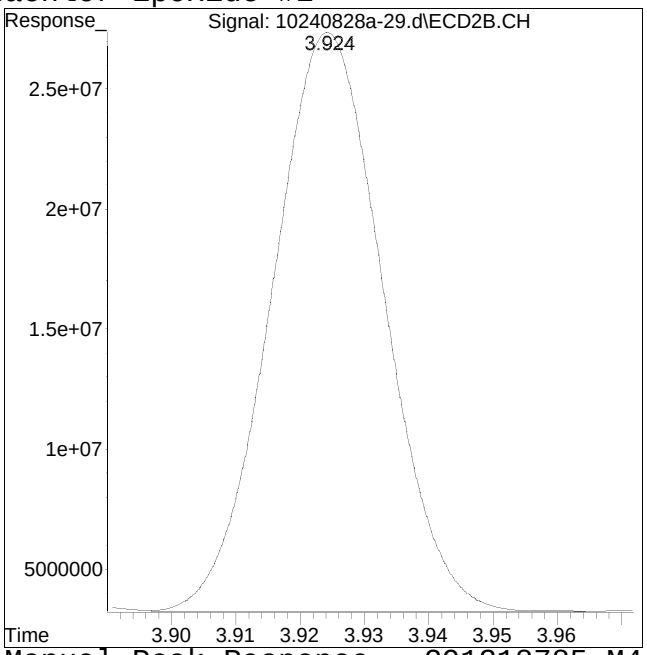
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 301198947



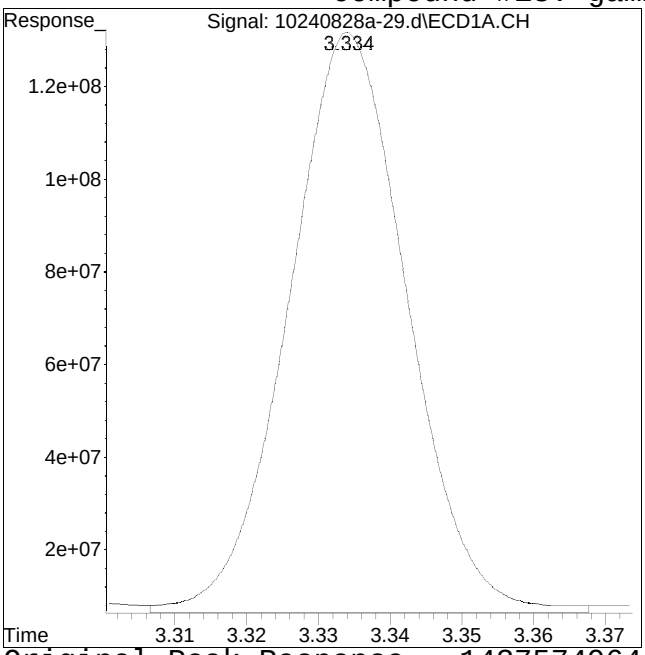
Manual Peak Response = 291318785 M4

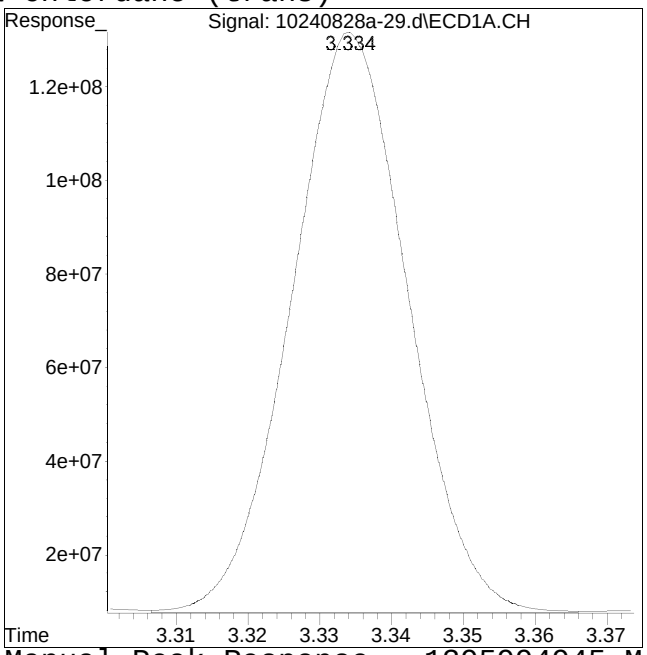
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #13: gamma-Chlordane (trans)



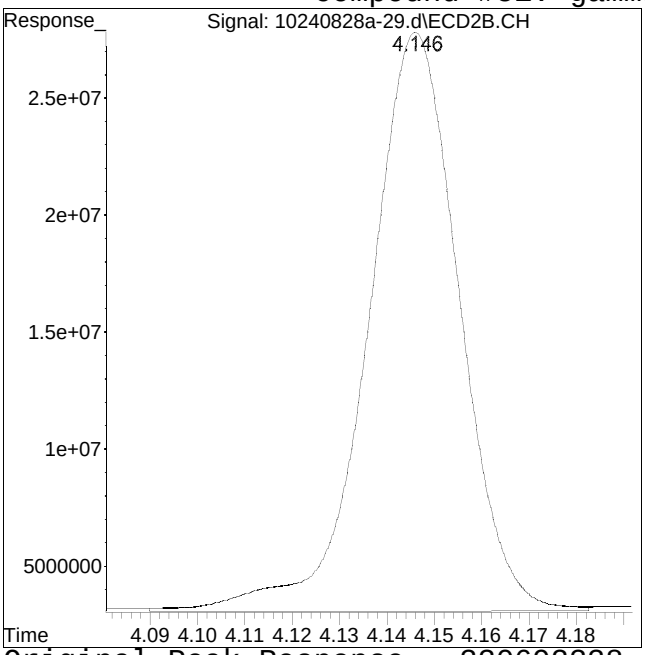


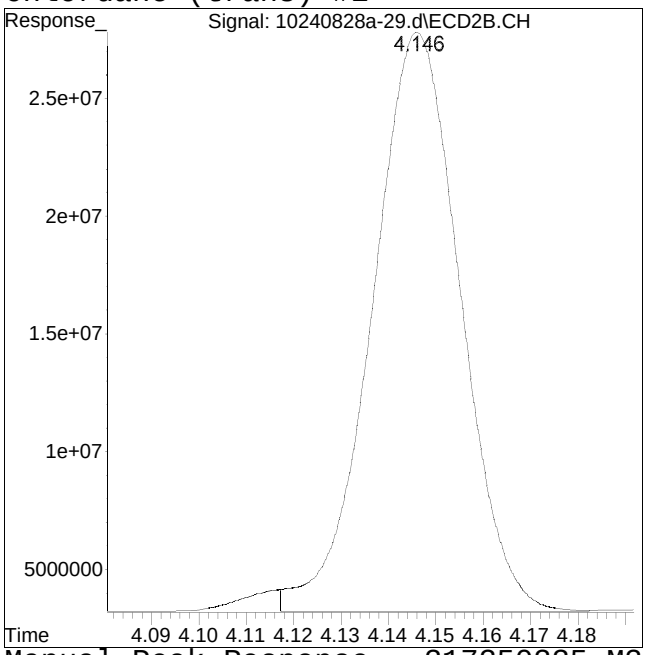
Original Peak Response = 1437574964 Manual Peak Response = 1395994945 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #51: gamma-Chlordane (trans) #2



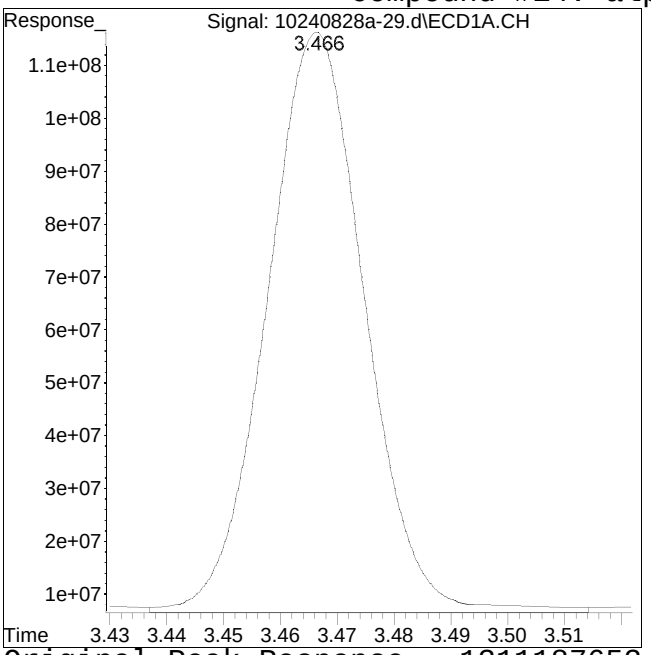


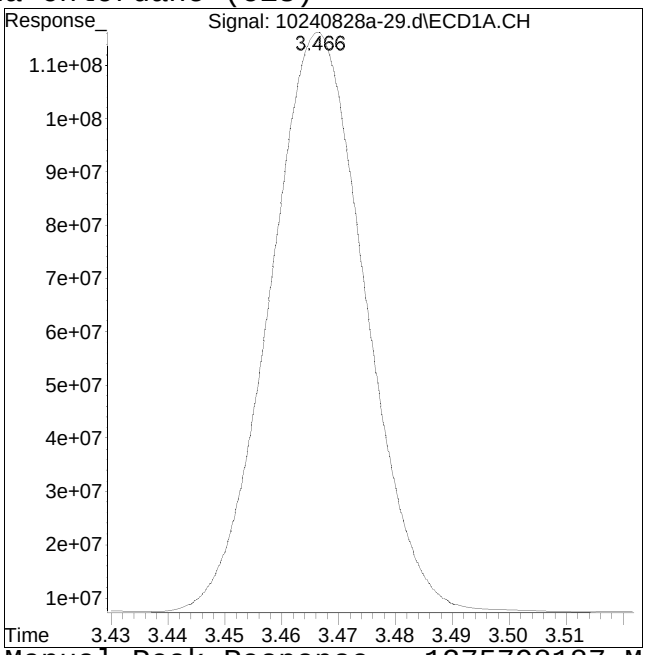
Original Peak Response = 330692338 Manual Peak Response = 317350335 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #14: alpha-Chlordane (cis)



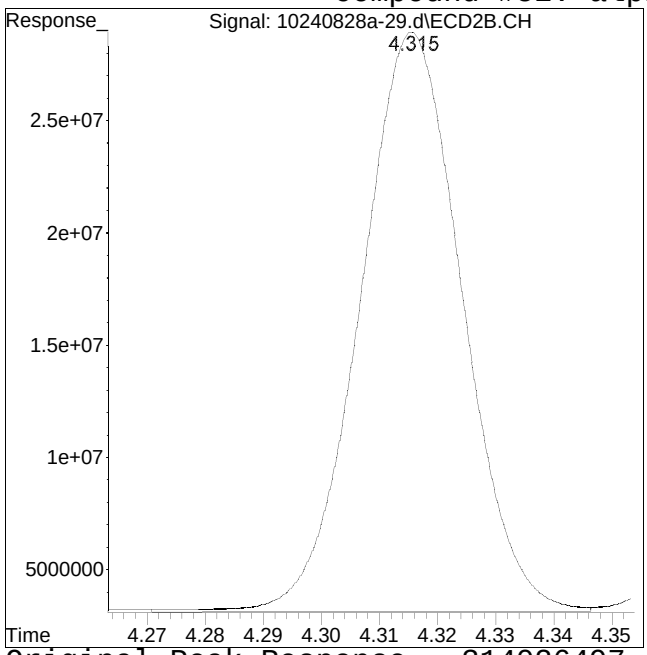


Original Peak Response = 1311187653 Manual Peak Response = 1275798187 M4
M4 = Poor automated baseline construction.

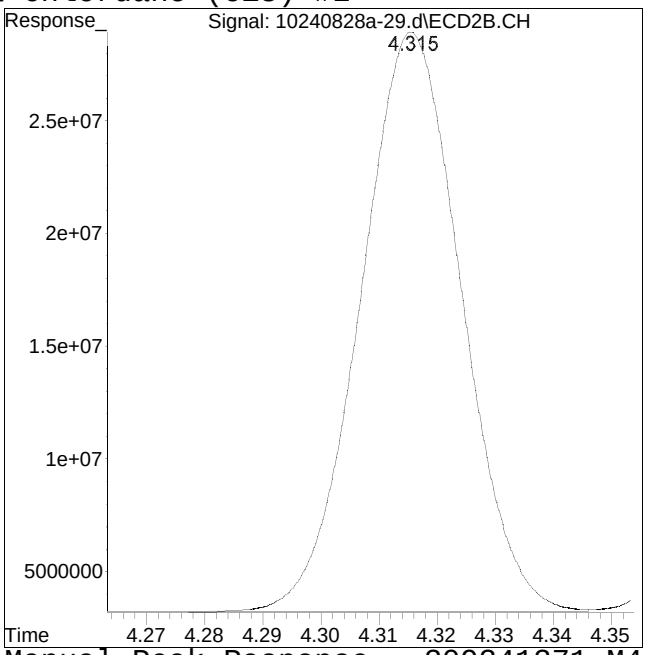
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 314026497



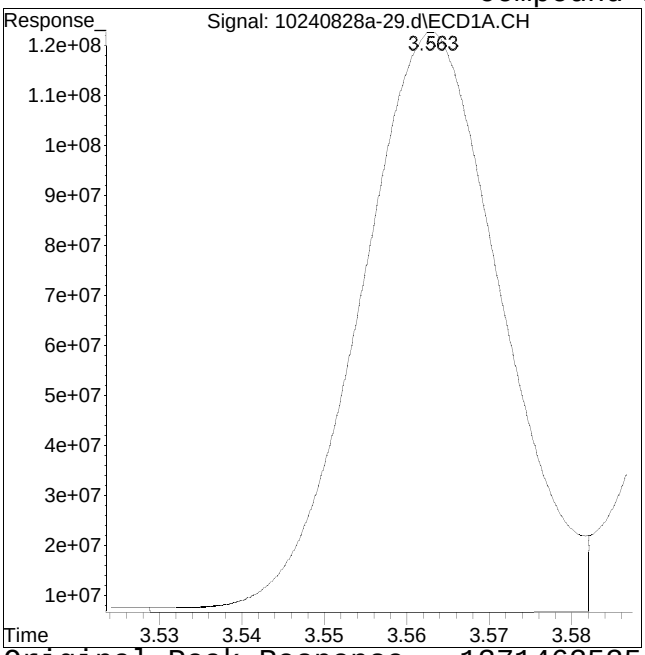
Manual Peak Response = 309341371 M4

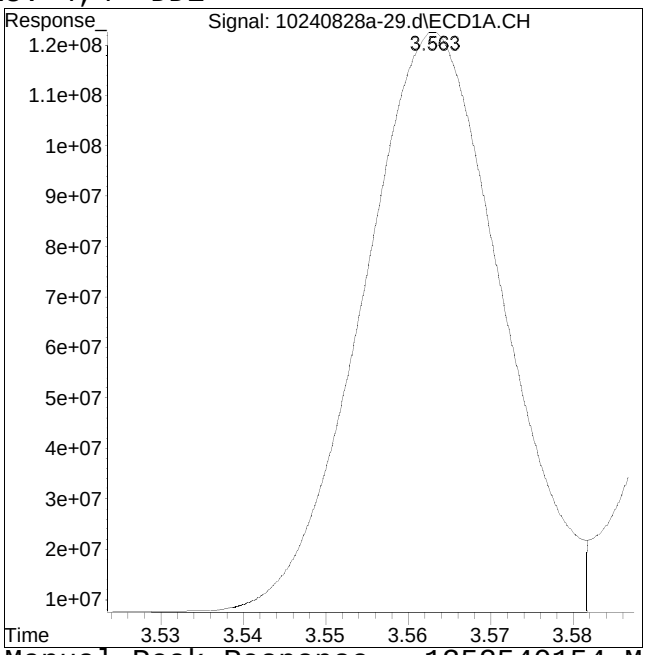
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #15: 4,4'-DDE



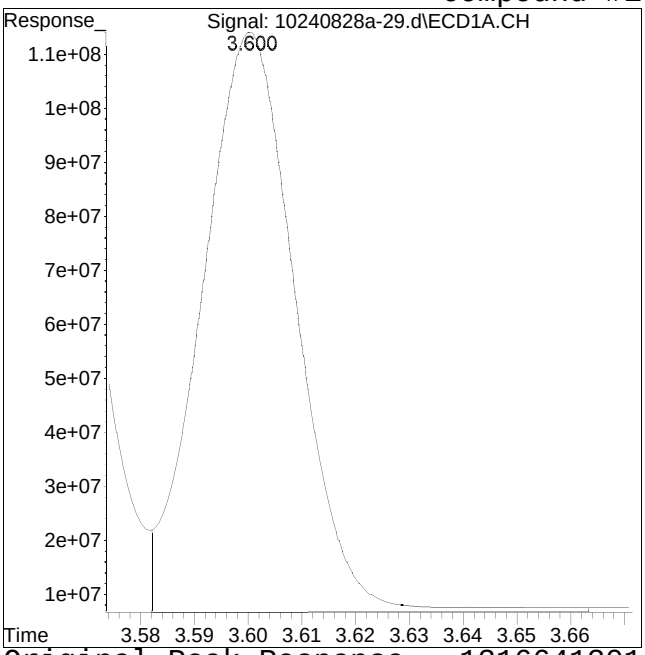


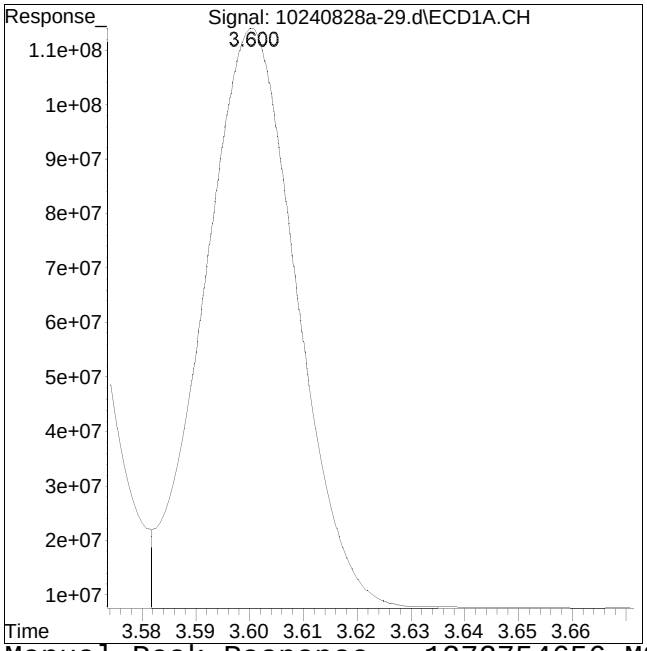
Original Peak Response = 1371463535 Manual Peak Response = 1352540154 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #16: Endosulfan I



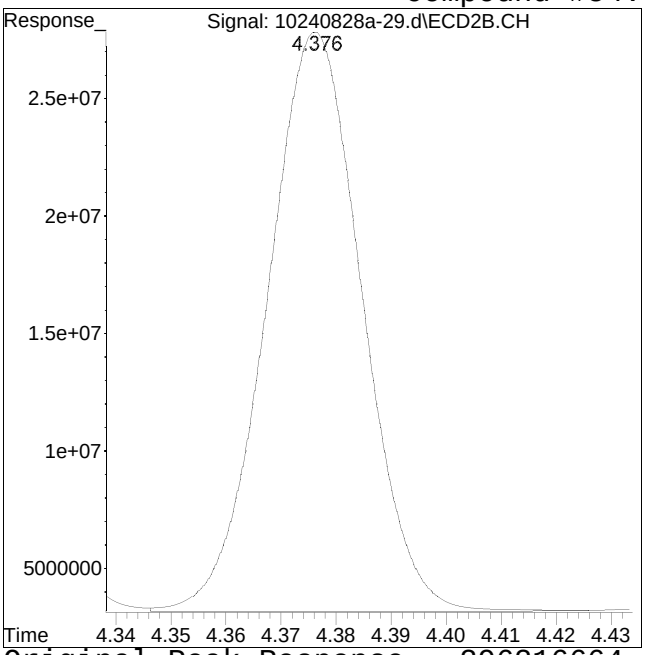


Original Peak Response = 1316641301 Manual Peak Response = 1272754656 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

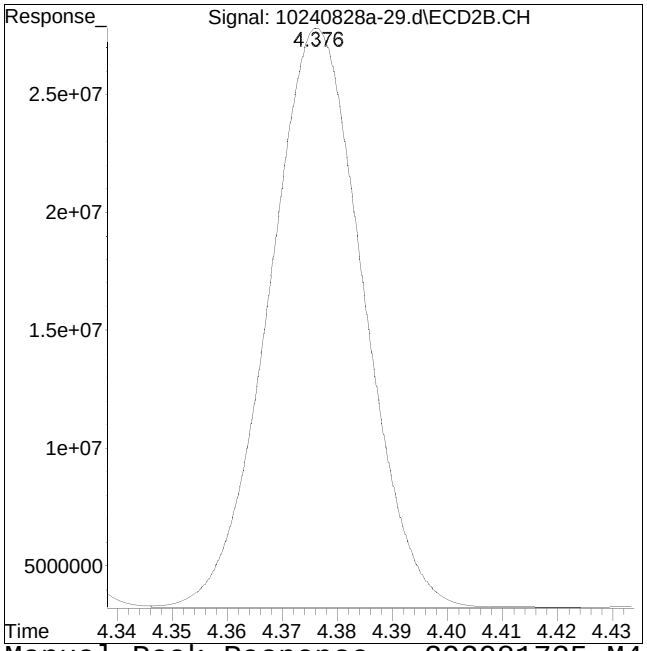
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #54: Endosulfan I #2



Original Peak Response = 296216664

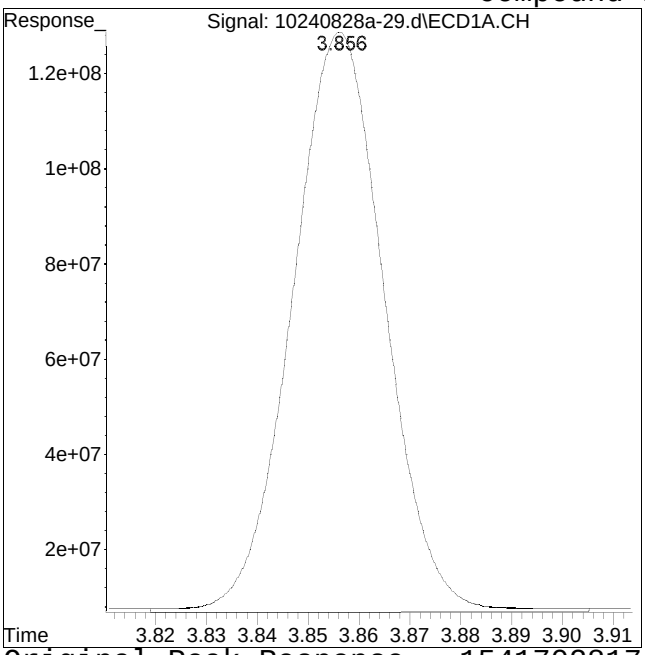


Manual Peak Response = 292981735 M4
M4 = Poor automated baseline construction.

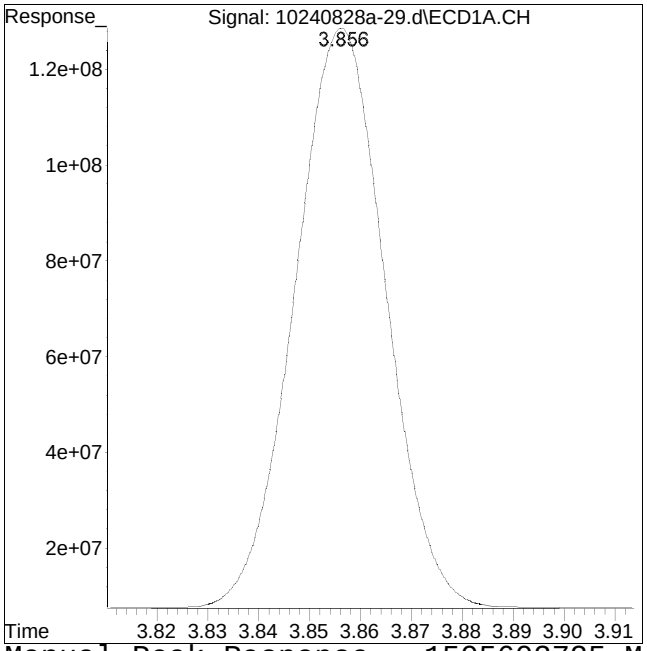
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #17: Dieldrin



Original Peak Response = 1541702817



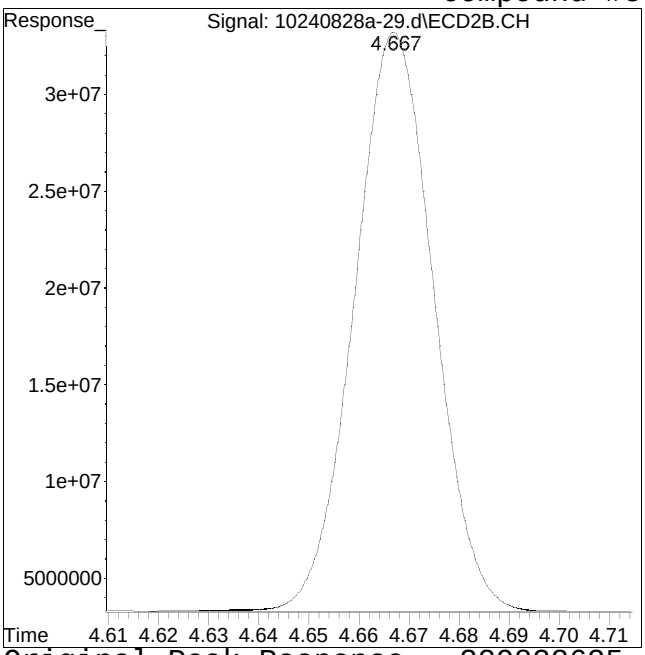
Manual Peak Response = 1505602725 M4

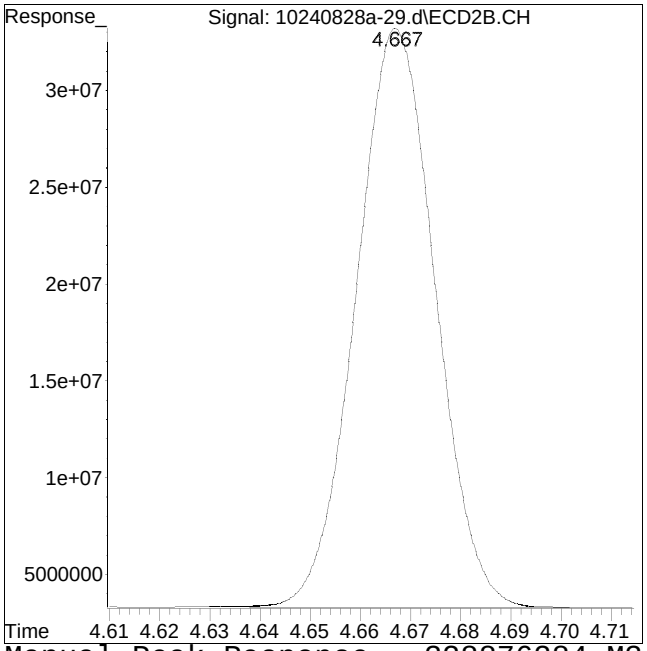
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #55: Dieldrin #2



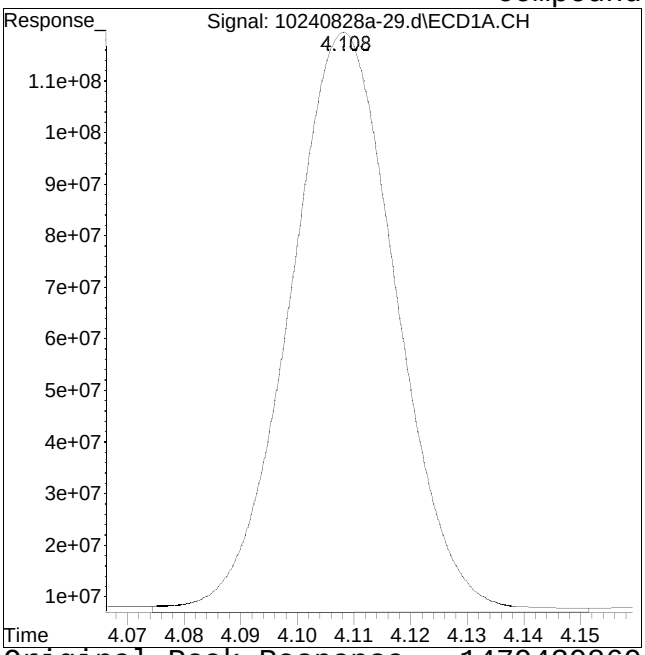


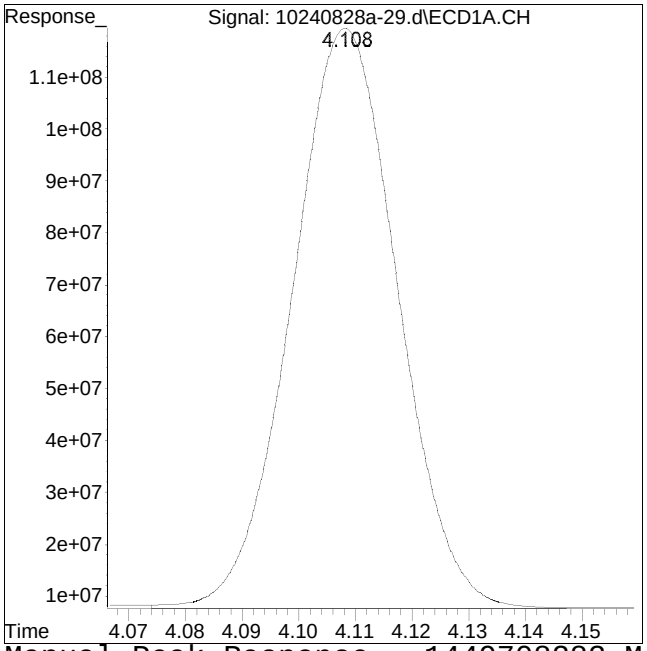
Original Peak Response = 329822625 Manual Peak Response = 328876284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #18: Endrin



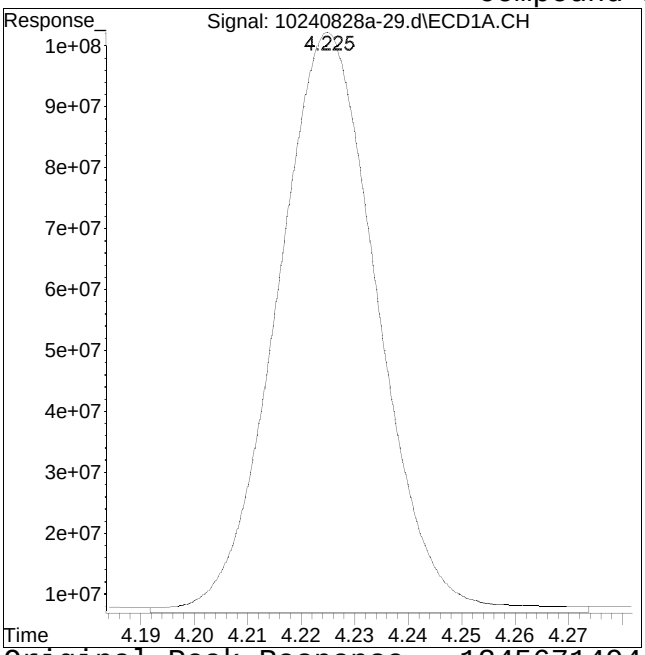


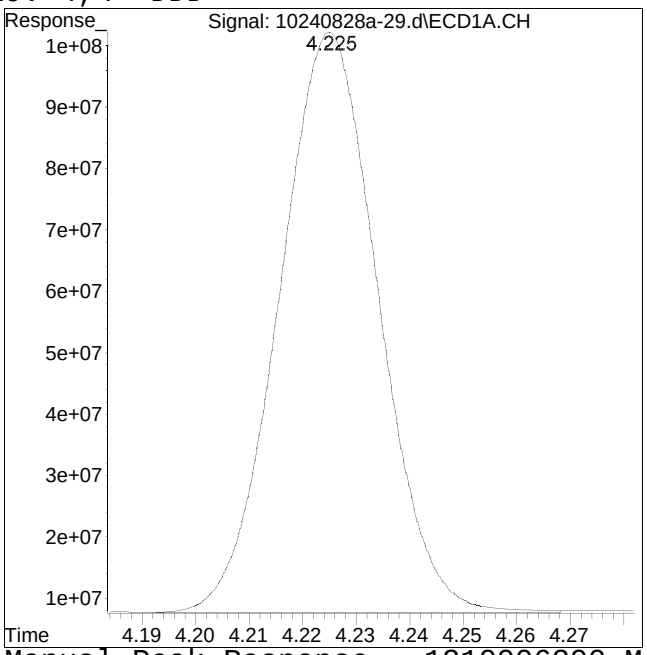
Original Peak Response = 1479439869 Manual Peak Response = 1449708283 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #19: 4,4'-DDD



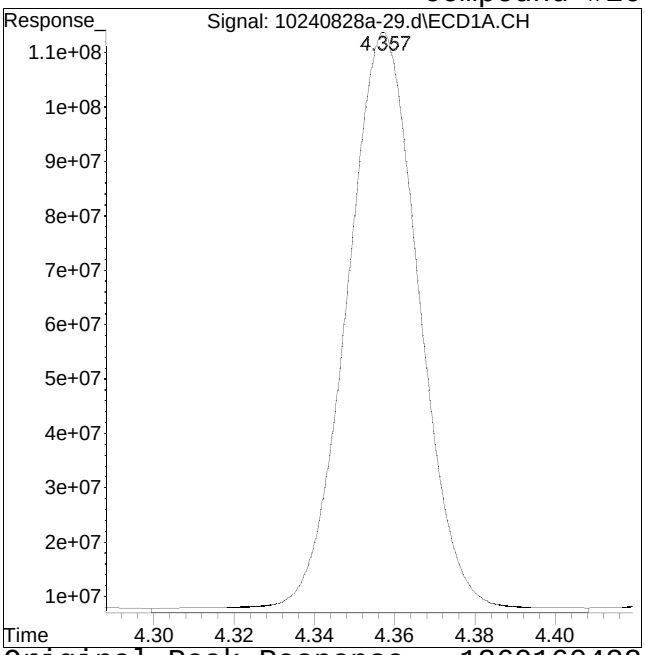


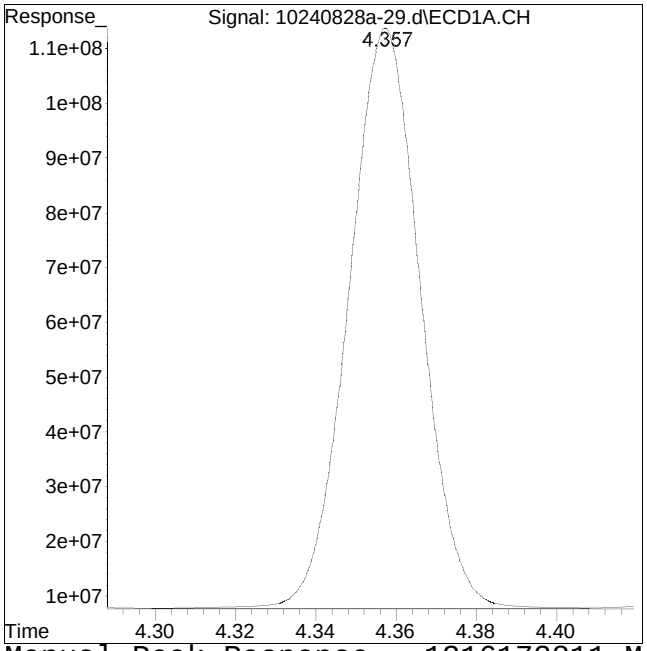
Original Peak Response = 1245671494 Manual Peak Response = 1210006200 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #20: Endosulfan II



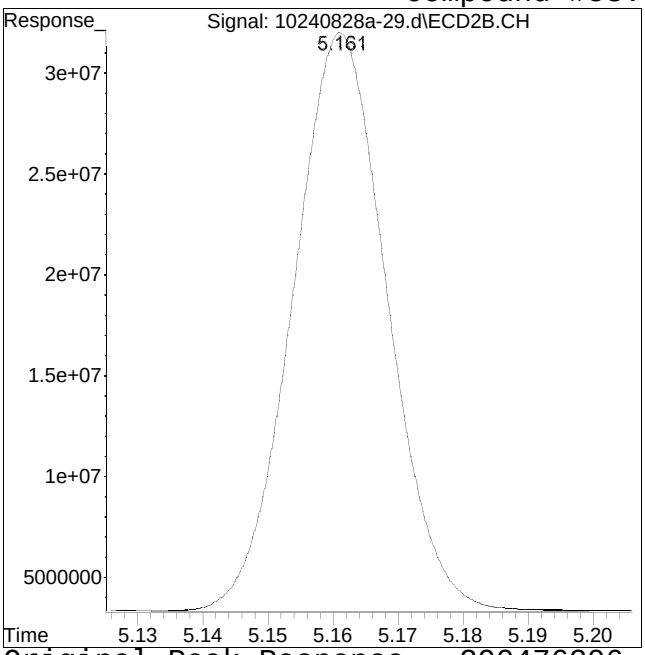


Original Peak Response = 1360160422 Manual Peak Response = 1316172811 M4
M4 = Poor automated baseline construction.

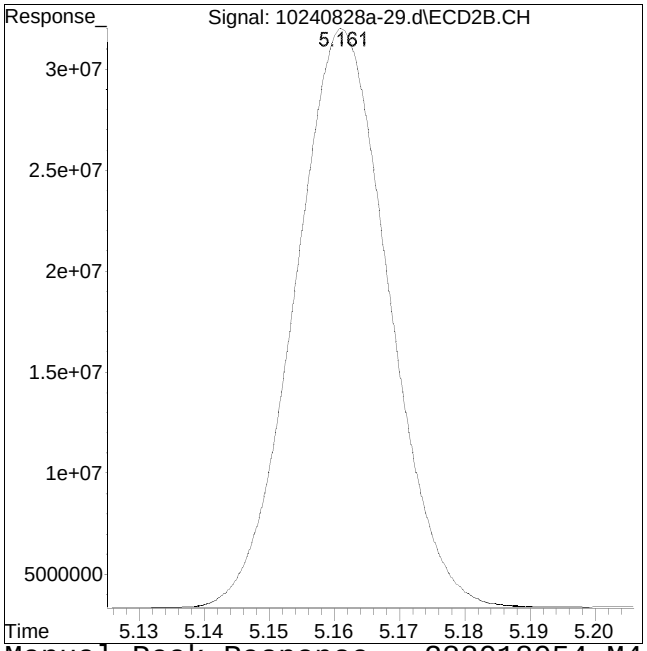
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #58: Endosulfan II #2



Original Peak Response = 290476206



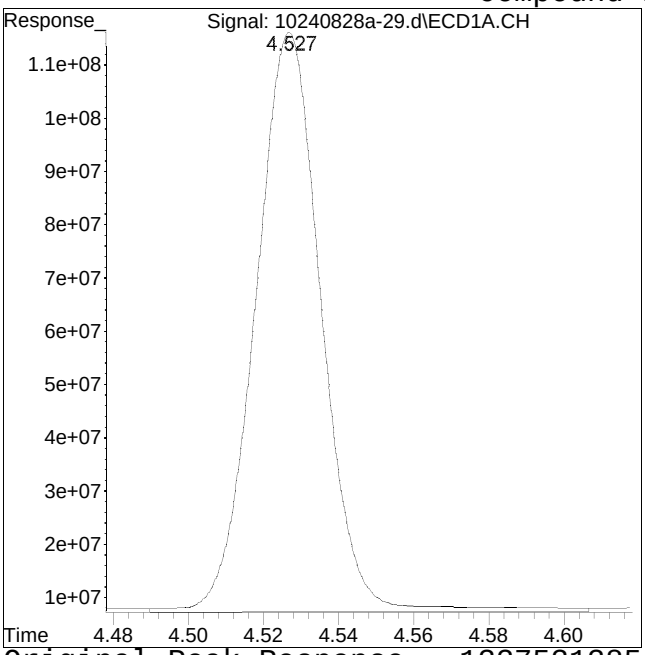
Manual Peak Response = 288018054 M4

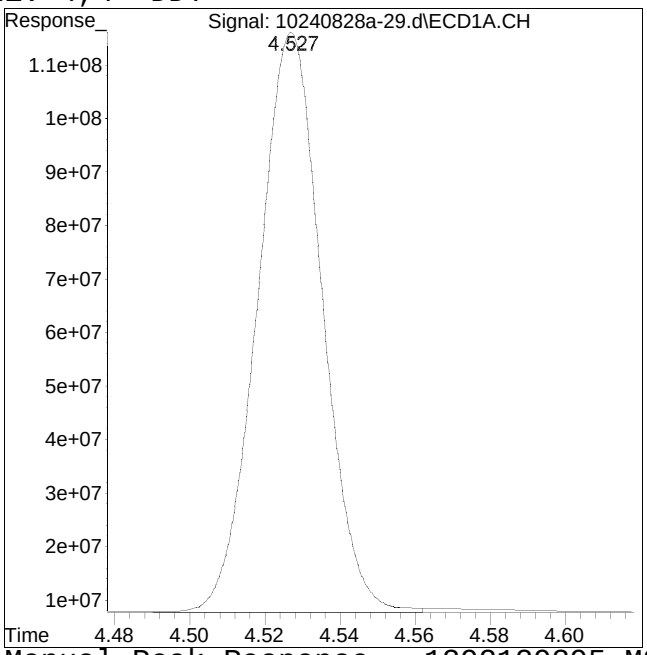
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #21: 4,4'-DDT



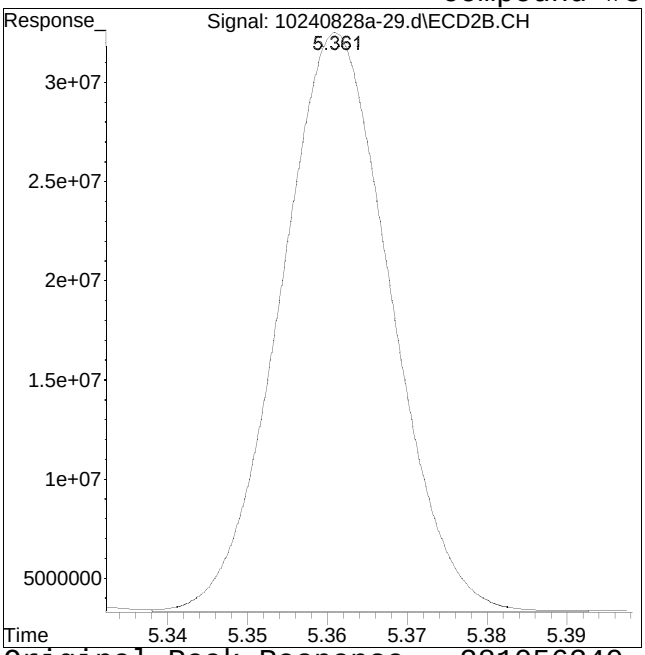


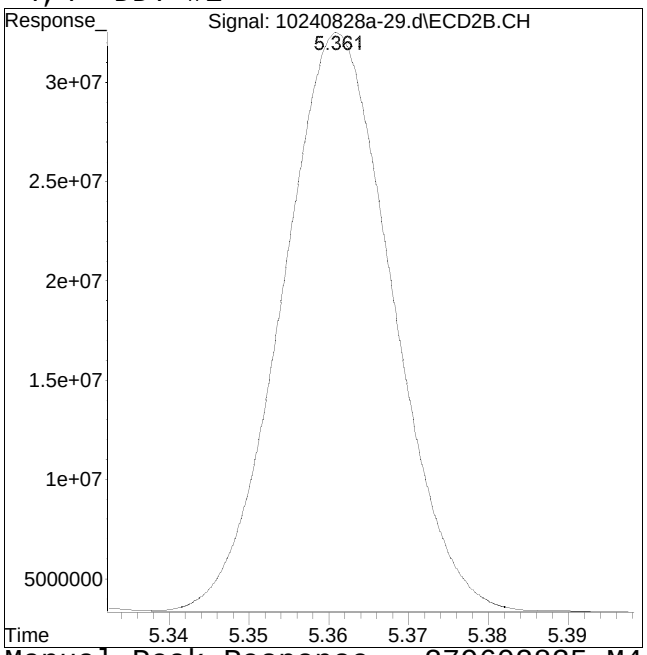
Original Peak Response = 1337531385 Manual Peak Response = 1292129395 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #59: 4,4'-DDT #2



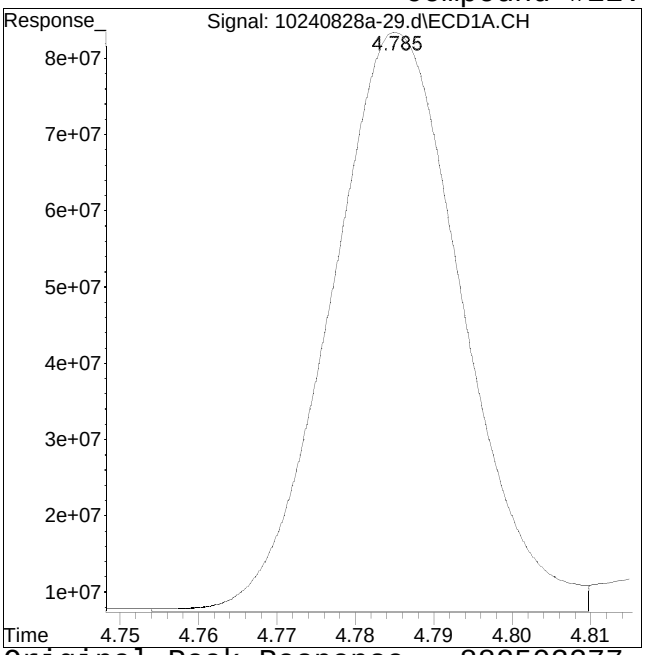


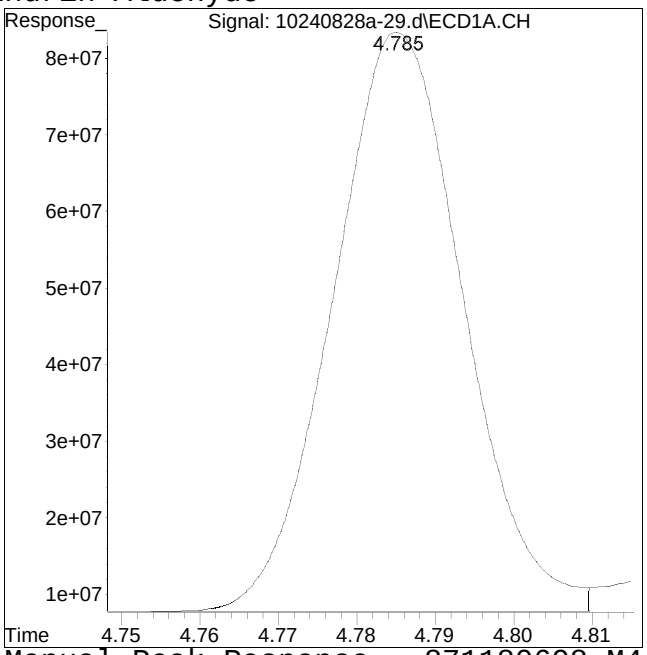
Original Peak Response = 281056340 Manual Peak Response = 279602835 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #22: Endrin Aldehyde



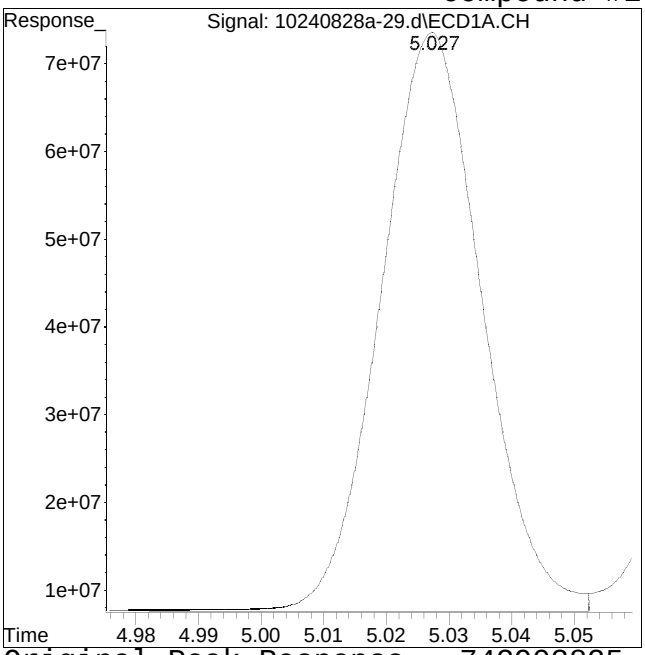


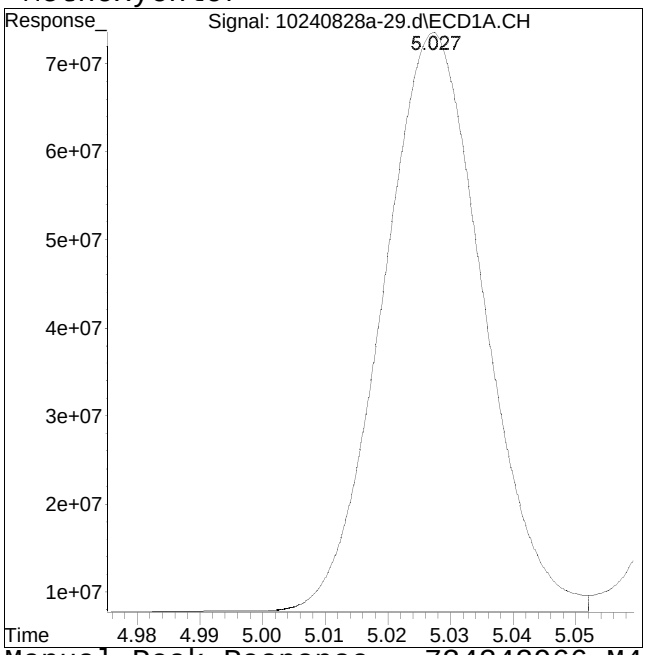
Original Peak Response = 882503377 Manual Peak Response = 871180698 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #23: Methoxychlor



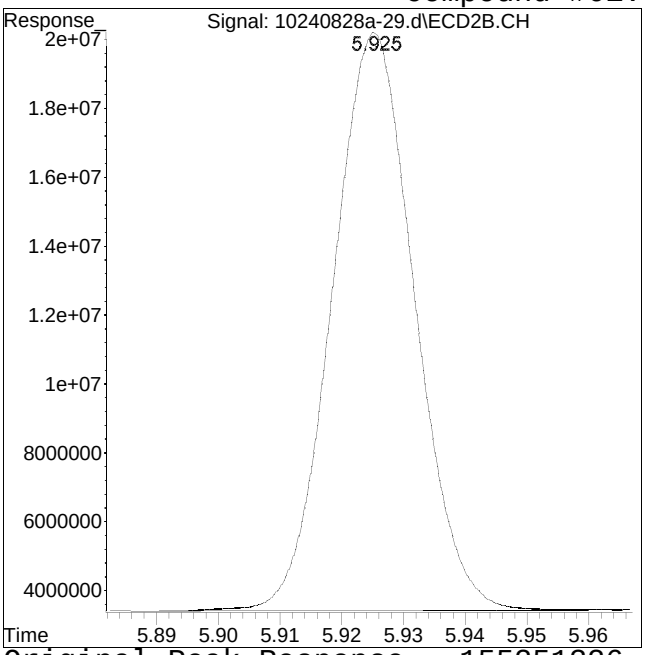


Original Peak Response = 742903825 Manual Peak Response = 734342966 M4
M4 = Poor automated baseline construction.

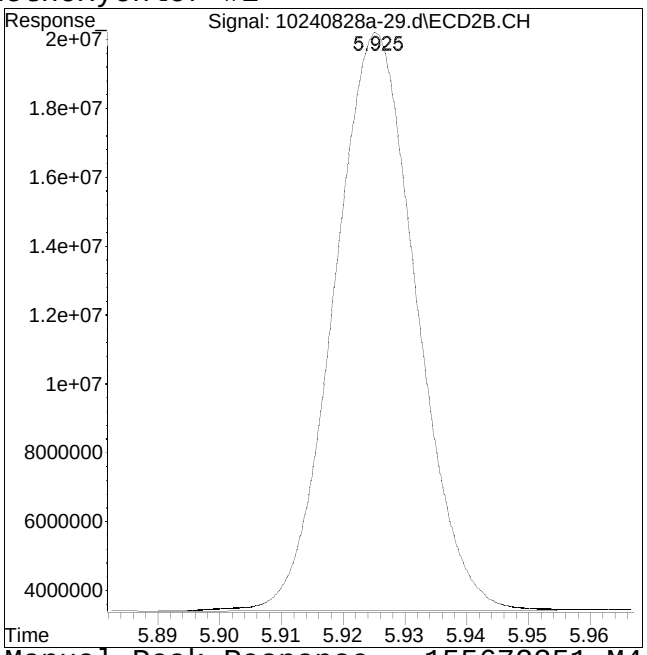
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #61: Methoxychlor #2



Original Peak Response = 155251326



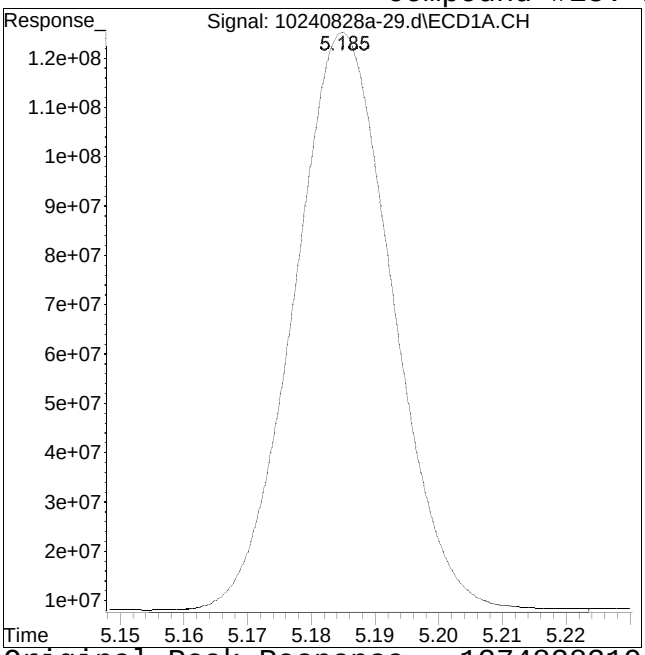
Manual Peak Response = 155672351 M4

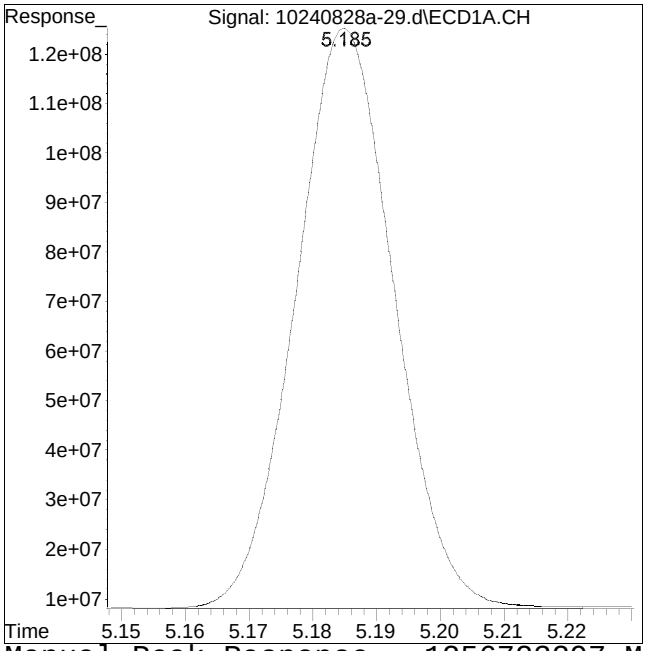
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #25: Endosulfan Sulfate



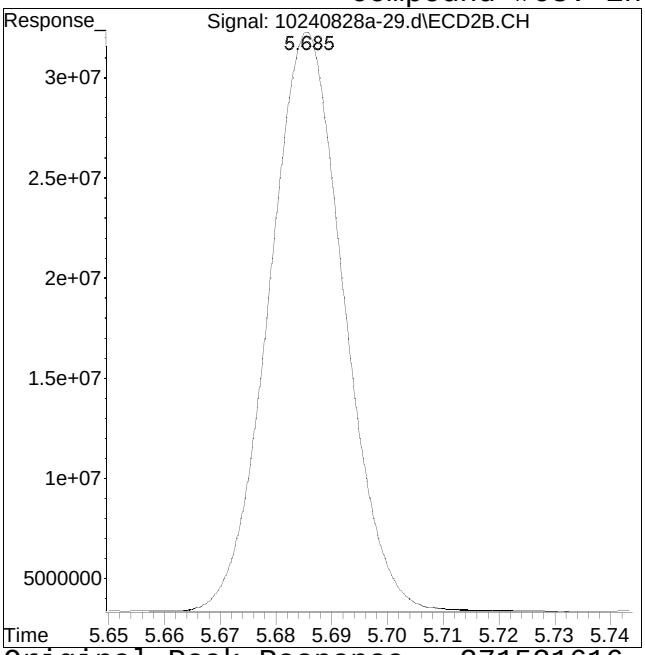


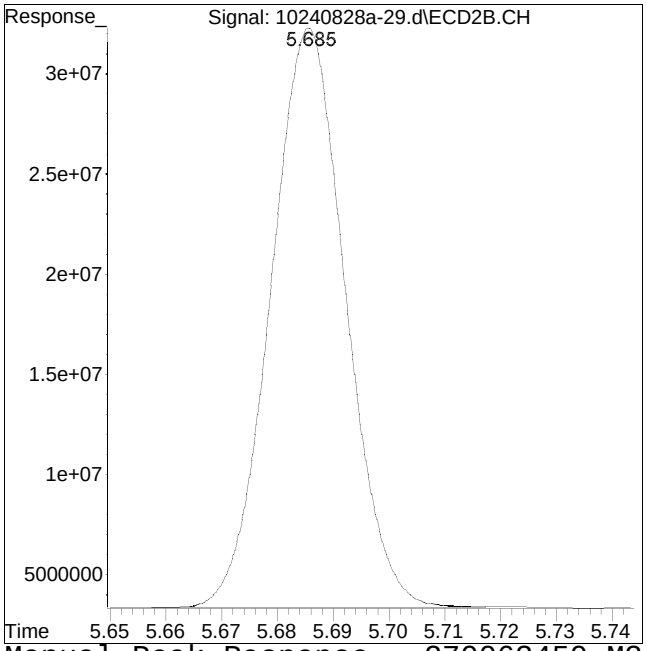
Original Peak Response = 1274828319 Manual Peak Response = 1256723297 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #63: Endosulfan Sulfate #2



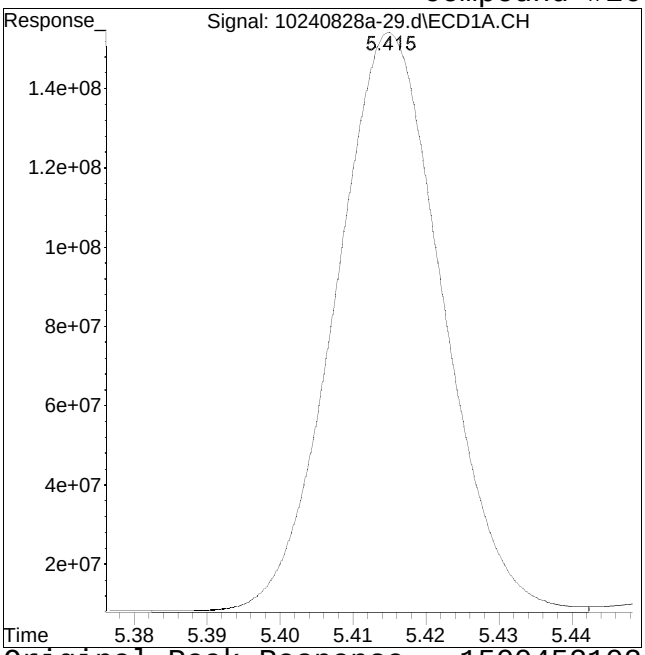


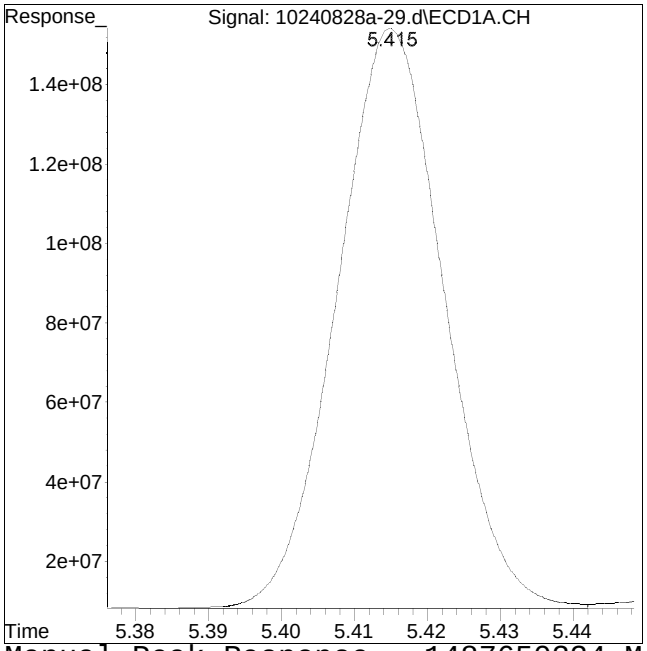
Original Peak Response = 271521616 Manual Peak Response = 270063450 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #26: Endrin Ketone



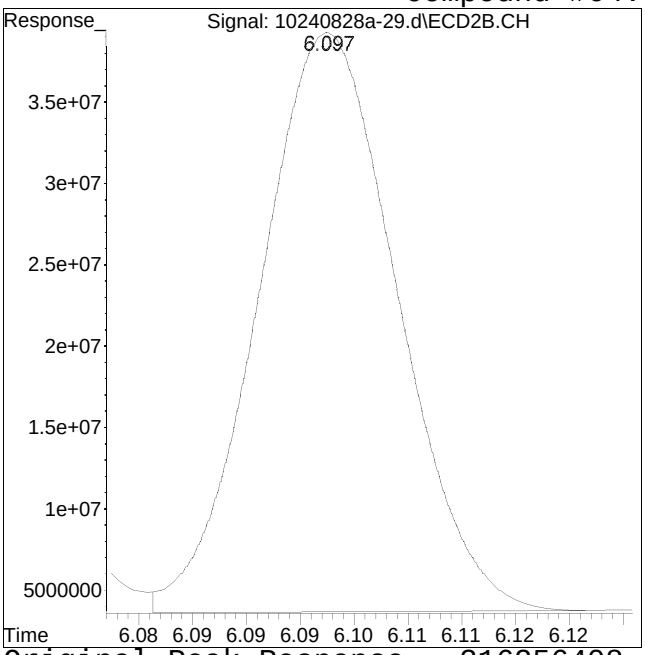


Original Peak Response = 1500452102 Manual Peak Response = 1487650334 M4
M4 = Poor automated baseline construction.

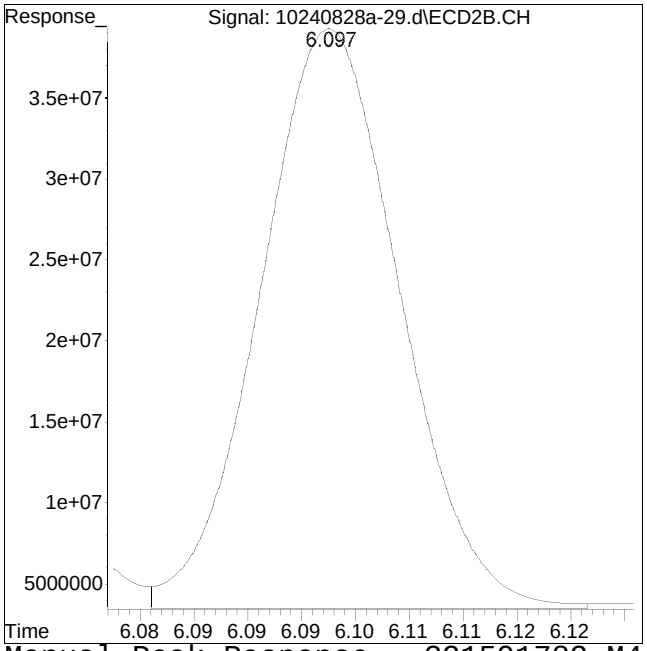
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 316256408



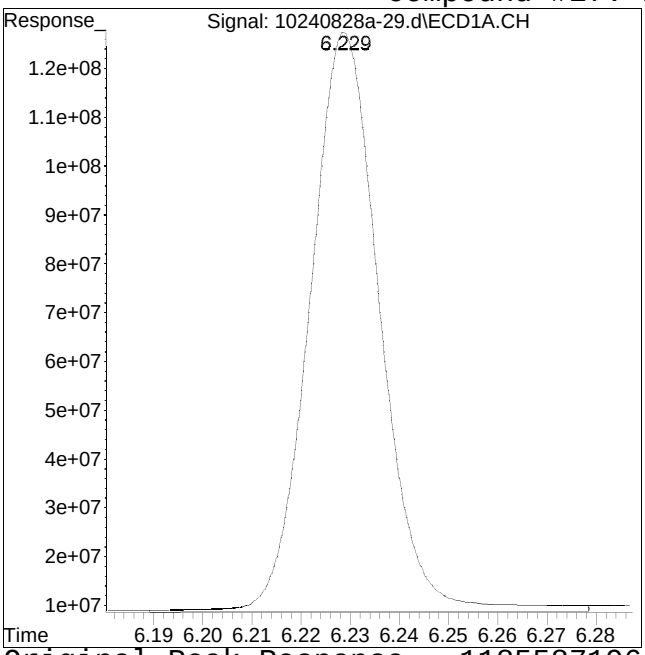
Manual Peak Response = 321591782 M4

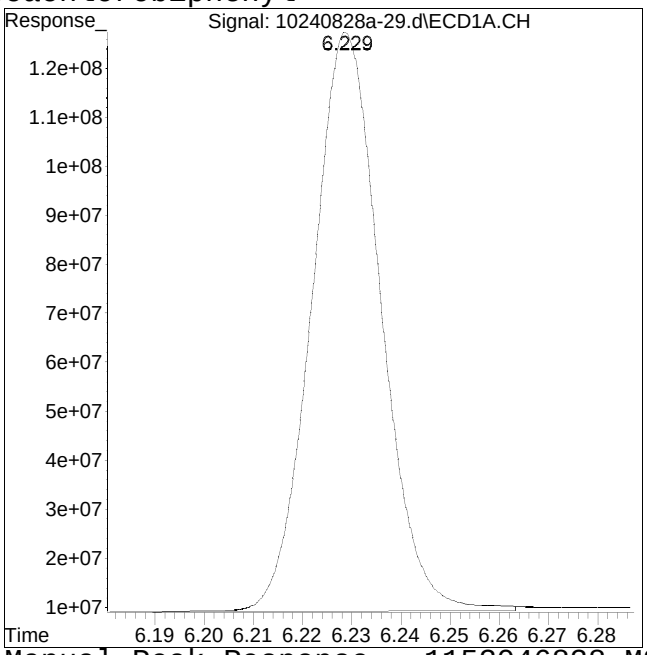
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #27: Decachlorobiphenyl



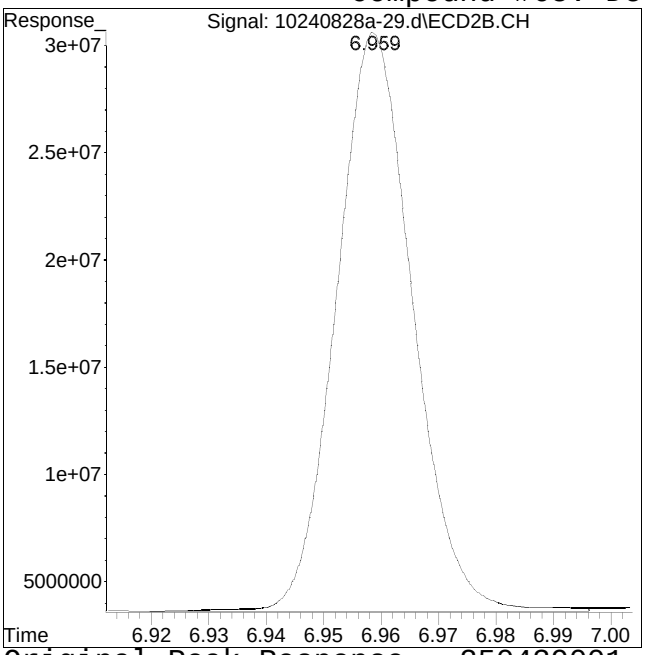


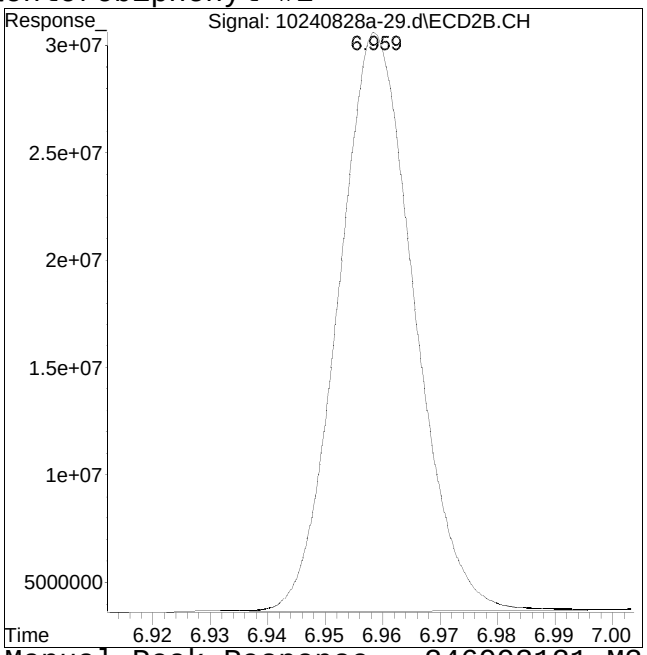
Original Peak Response = 1185587196 Manual Peak Response = 1153046838 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-29.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:00 Instrument : Pest 10
Sample : WG1964642-2,42,, Quant Date : 8/28/2024 12:44 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 250439001 Manual Peak Response = 246993121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:11
Operator : PEST10:mmg
Sample : WG1964642-3,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:02 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

	Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards								
1)	i	1-br-2-nb_Pe	1.263	1.387	820.9E6	181.6E6	25.000	25.000M3
	Standard Area 1 : #1 = 712112923					Recovery = 115.27%		
	Standard Area 1 : #2 = 150538774					Recovery = 120.65%		
System Monitoring Compounds								
2)	s	2,4,5,6-Tetr	1.600	1.871	1244.6E6	272.0E6	30.654M4	33.634
	Spiked Amount		50.000	Range 30 - 150		Recovery =	61.31%	67.27%
27)	s	Decachlorobi	6.230	6.958	1274.3E6	272.9E6	32.309M4	36.370M4
	Spiked Amount		50.000	Range 30 - 150		Recovery =	64.62%	72.74%
Target Compounds								
4)	t	alpha-BHC	1.905	2.293	1764.0E6	379.5E6	30.137M3	33.321
5)	t	gamma-BHC (l	2.103	2.581	1662.7E6	354.3E6	30.153M4	32.992M4
6)	t	beta-BHC	2.158	2.646	701.0E6	158.4E6	29.340M4	31.041M4
7)	t	delta-BHC	2.283	2.916	1521.9E6	306.7E6	27.453M4	28.302M4
8)	t	Heptachlor	2.441	2.982	1670.2E6	352.7E6	32.008M3	33.145M3
9)	t	Aldrin	2.679	3.304	1418.6E6	329.9E6	28.528M4	33.712M4
12)	t	Heptachlor E	3.213	3.924	1459.8E6	314.0E6	31.045M4	32.289M4
13)	t	gamma-Chlord	3.335	4.146	1494.9E6	337.0E6	34.472M4	38.828M4
14)	t	alpha-Chlord	3.467	4.316	1368.6E6	330.4E6	27.522M3	33.493M4
15)	t	4,4'-DDE	3.564	4.512	1449.3E6	327.3E6	30.058M4	34.985M4
16)	t	Endosulfan I	3.601	4.376	1359.9E6	310.7E6	30.453M4	33.937M4
17)	t	Dieldrin	3.857	4.667	1599.6E6	350.4E6	34.309M4	38.271M3
18)	t	Endrin	4.109	4.964	1547.8E6	330.0E6	32.239M4	35.278
19)	t	4,4'-DDD	4.226	5.084	1299.5E6	282.2E6	33.092M4	37.759M4
20)	t	Endosulfan I	4.358	5.161	1403.3E6	307.5E6	32.896M4	36.028M4
21)	t	4,4'-DDT	4.527	5.361	1399.0E6	302.0E6	31.810M3	36.600M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:11
Operator : PEST10:mmg
Sample : WG1964642-3,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:02 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.786	5.458	952.1E6	211.4E6	26.968M4	29.761M4
23) t Methoxychlor	5.028	5.926	787.9E6	168.6E6	32.349	36.437M3
25) t Endosulfan S	5.186	5.686	1358.7E6	290.1E6	33.033	35.261
26) t Endrin Keton	5.415	6.098	1594.7E6	345.7E6	34.478M4	38.532M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

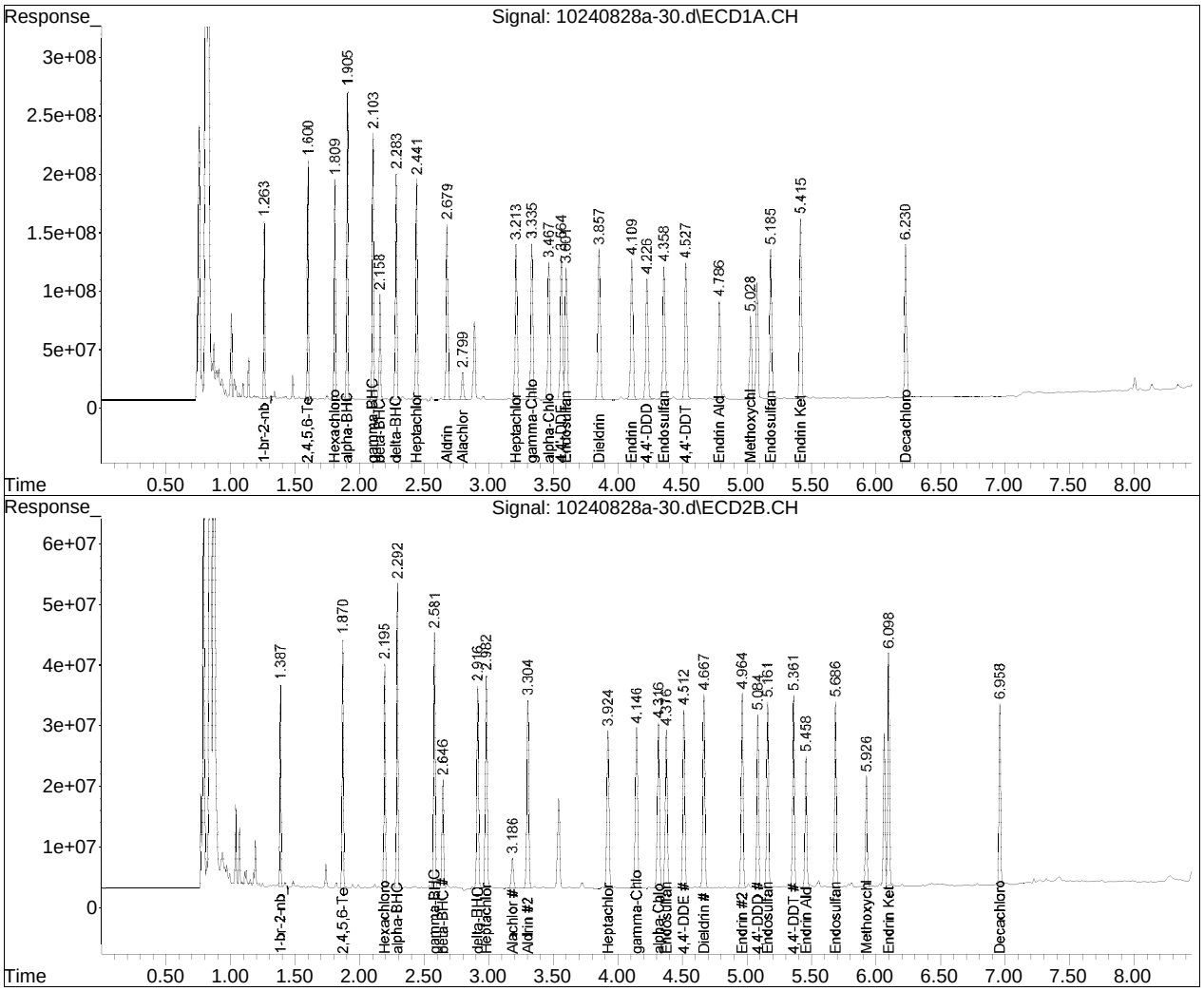
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2024\240828A\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:11
Operator : PEST10:mmg
Sample : WG1964642-3,42,,
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 12:44:02 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

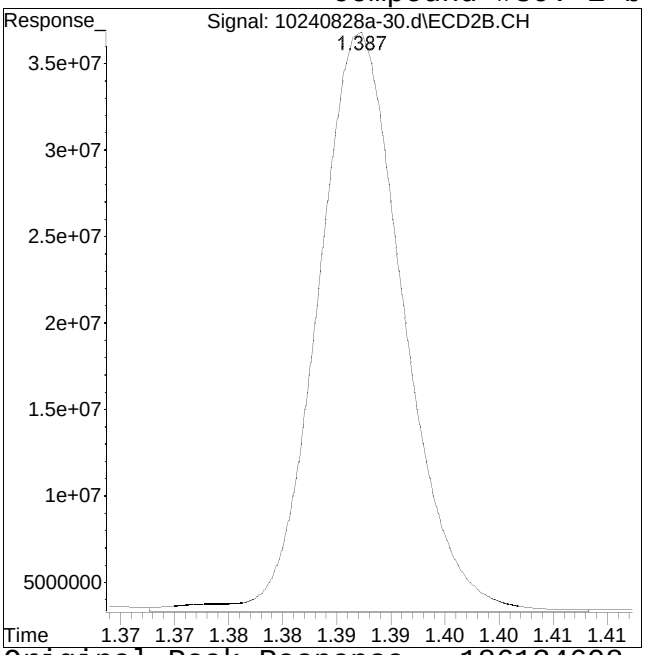
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

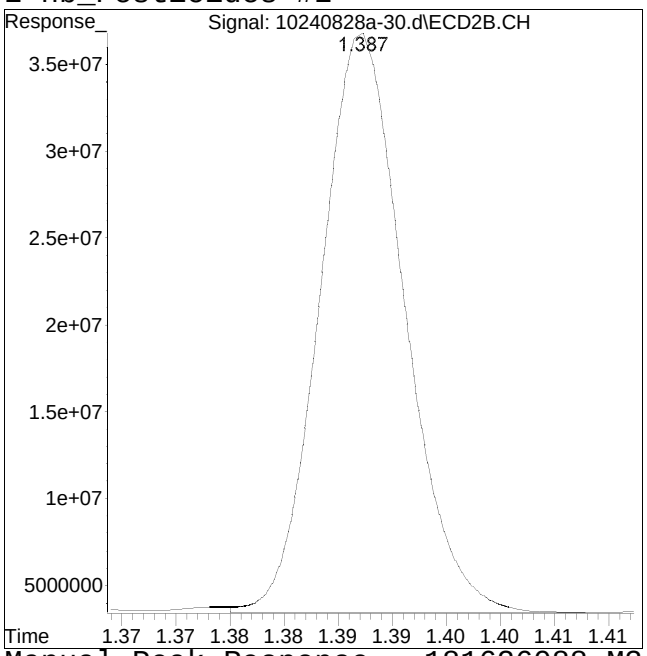


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



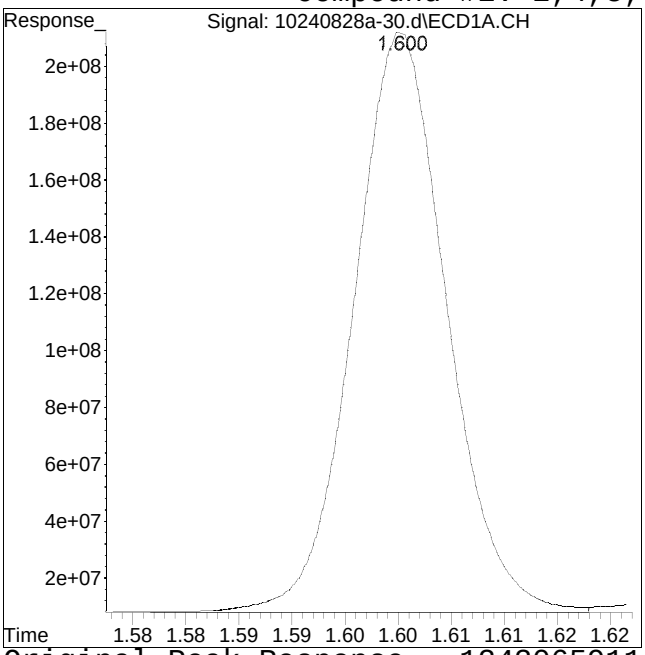


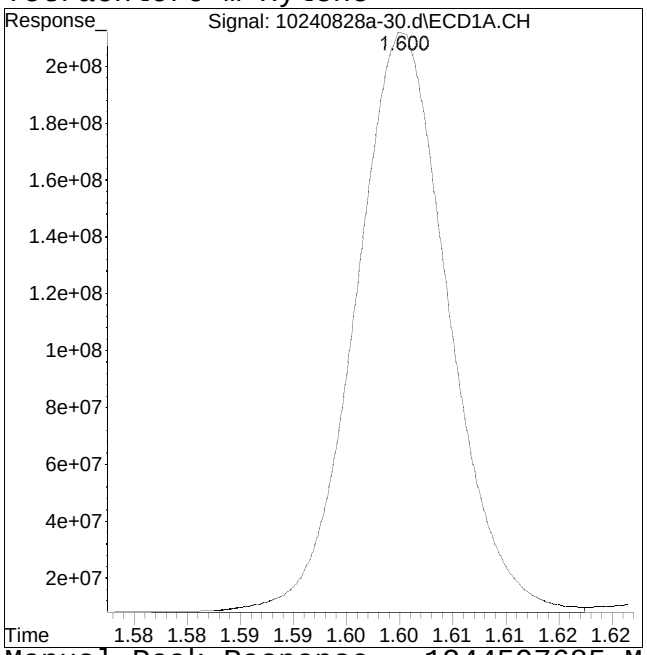
Original Peak Response = 186134608 Manual Peak Response = 181626088 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



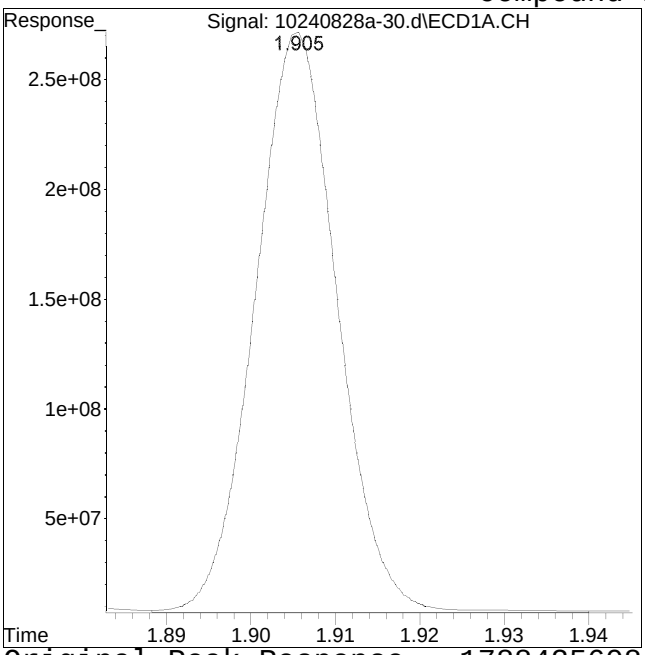


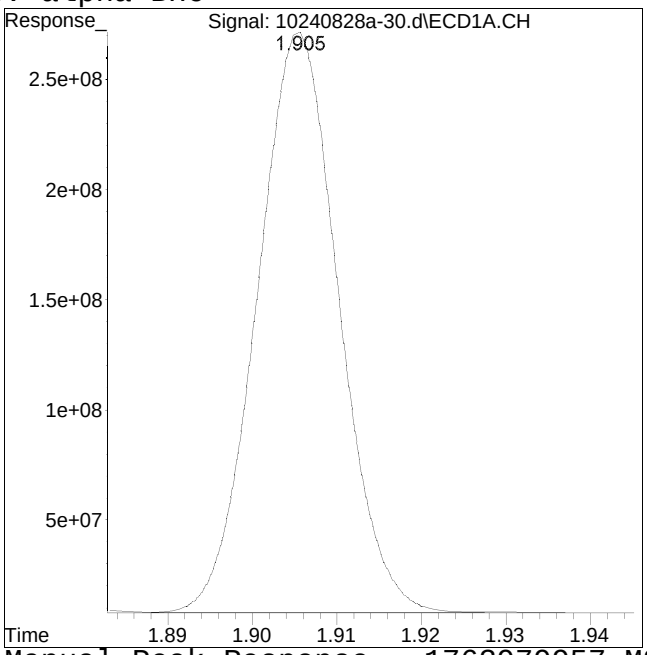
Original Peak Response = 1243065911 Manual Peak Response = 1244597685 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #4: alpha-BHC



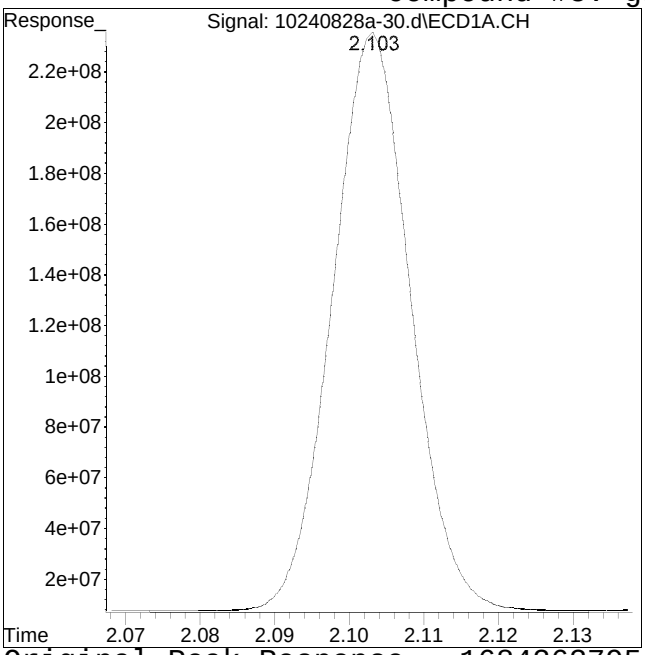


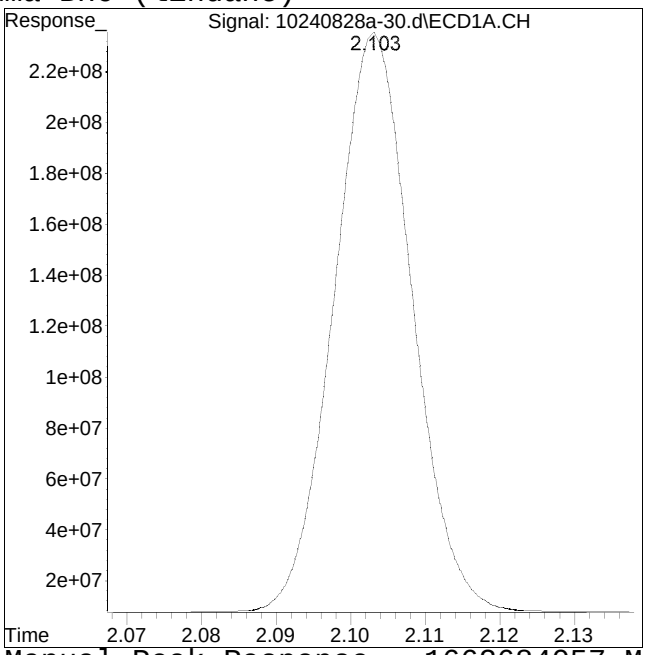
Original Peak Response = 1788425608 Manual Peak Response = 1763979957 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #5: gamma-BHC (lindane)



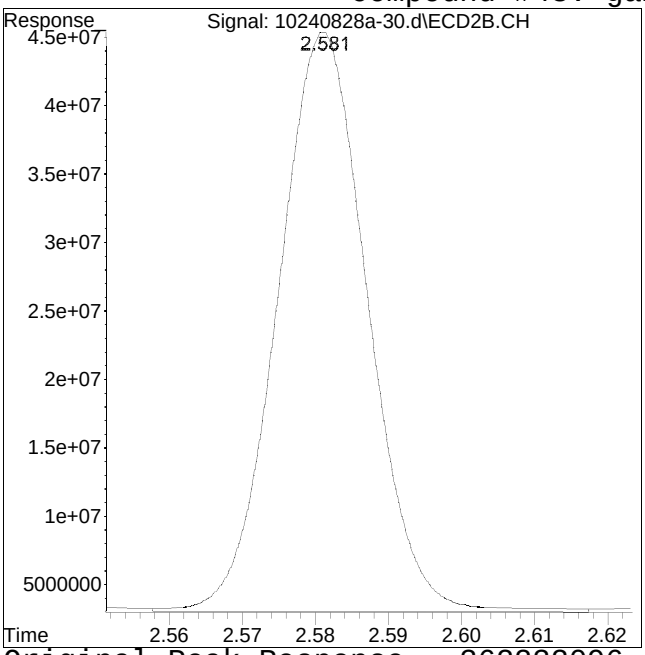


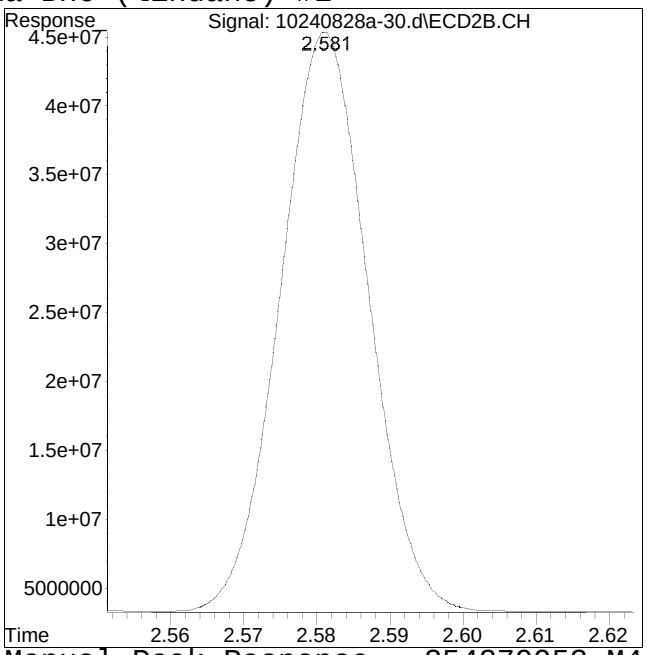
Original Peak Response = 1684263795 Manual Peak Response = 1662684057 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #43: gamma-BHC (lindane) #2



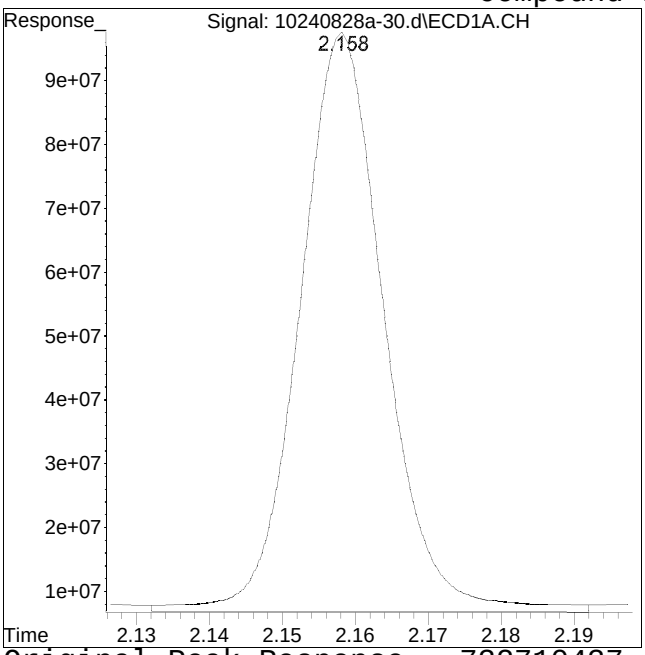


Original Peak Response = 362232096 Manual Peak Response = 354279953 M4
M4 = Poor automated baseline construction.

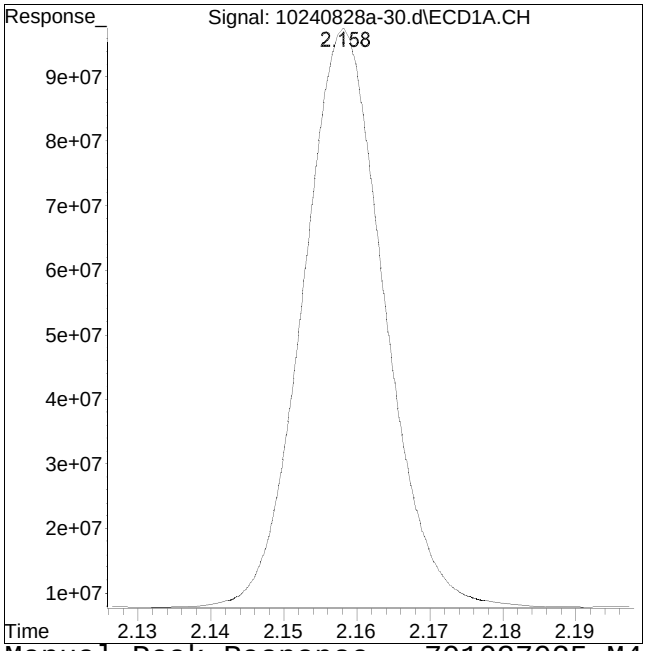
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #6: beta-BHC



Original Peak Response = 732710437



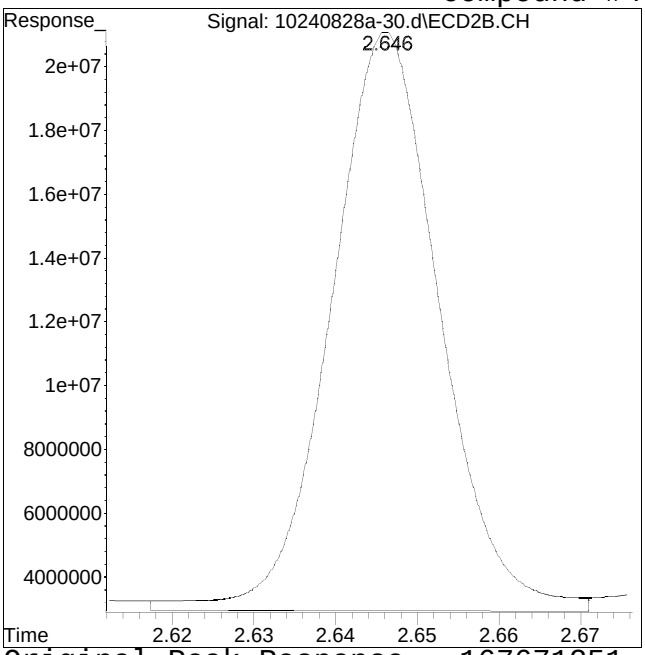
Manual Peak Response = 701037025 M4

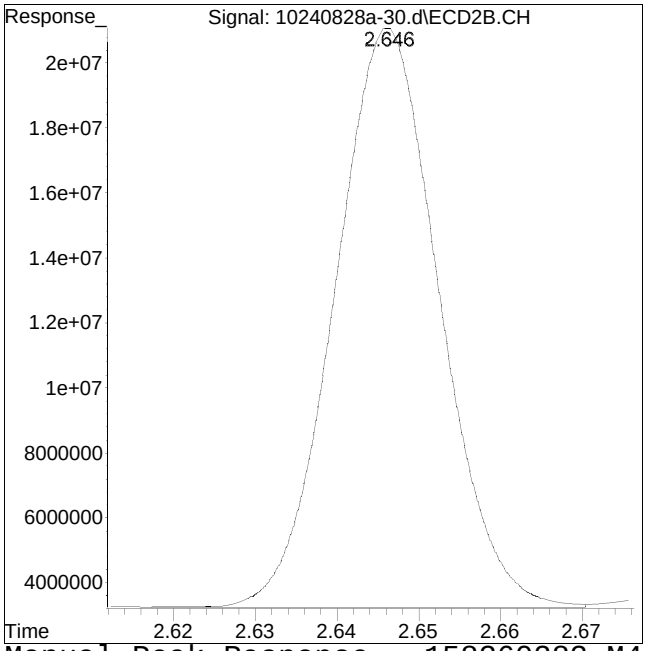
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #44: beta-BHC #2



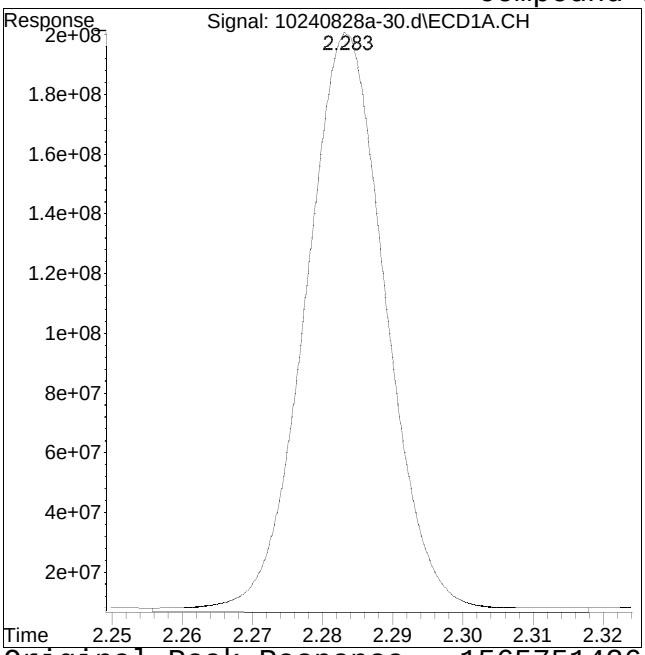


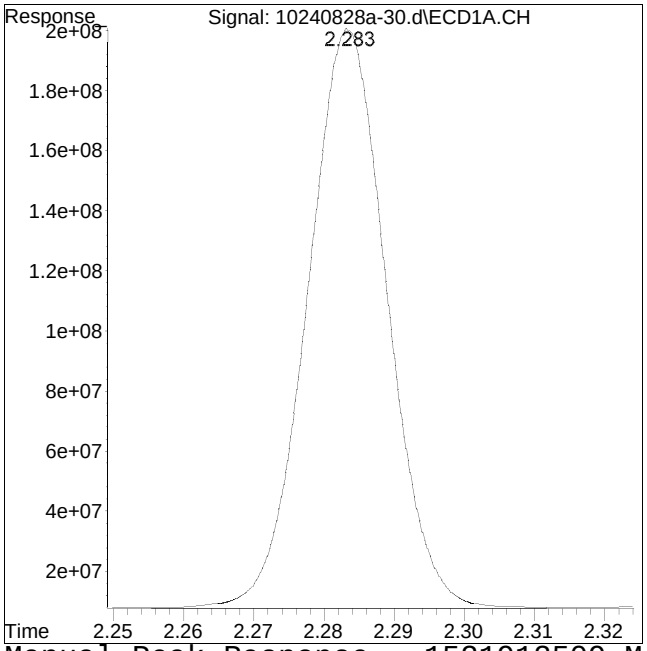
Original Peak Response = 167671251 Manual Peak Response = 158360283 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #7: delta-BHC



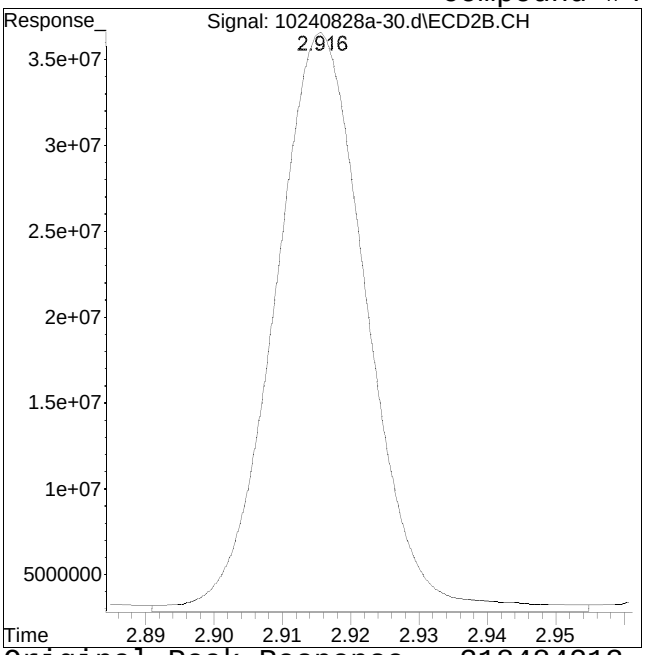


Original Peak Response = 1565751426 Manual Peak Response = 1521912509 M4
M4 = Poor automated baseline construction.

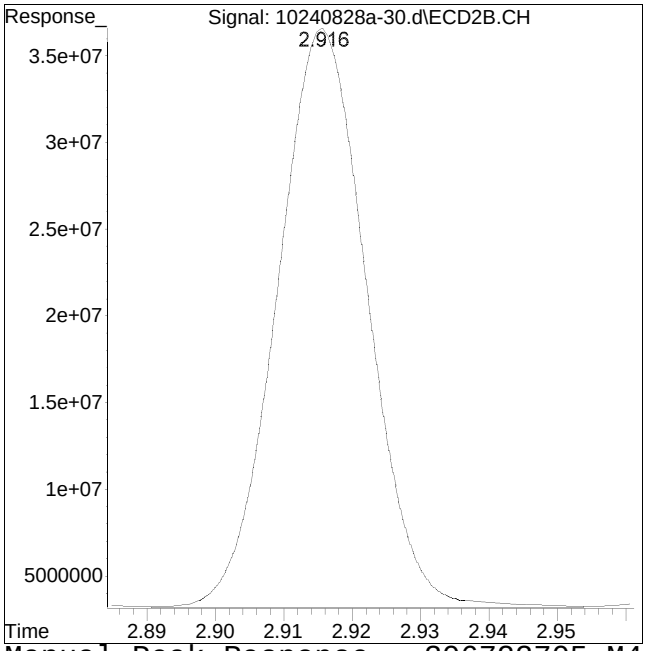
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #45: delta-BHC #2



Original Peak Response = 318484213



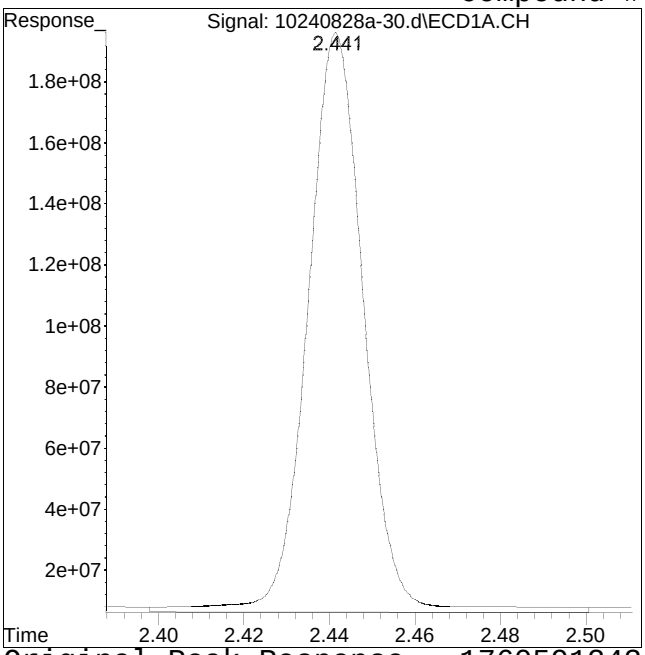
Manual Peak Response = 306723705 M4

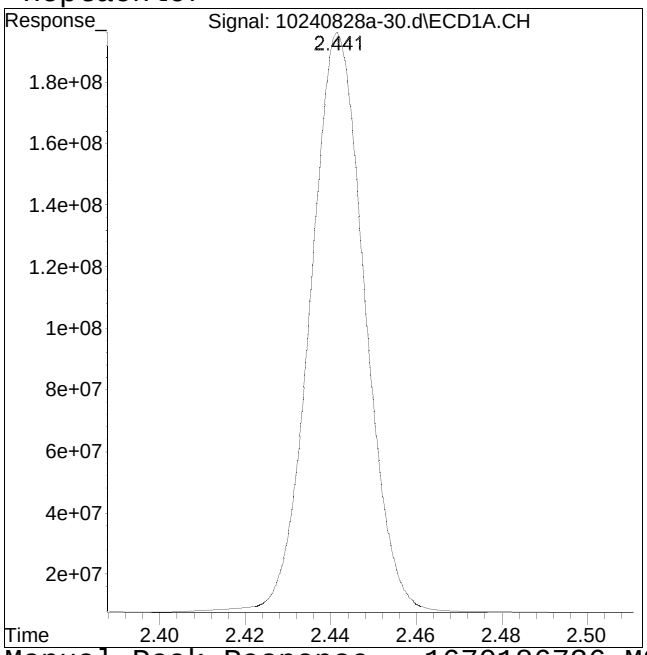
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #8: Heptachlor



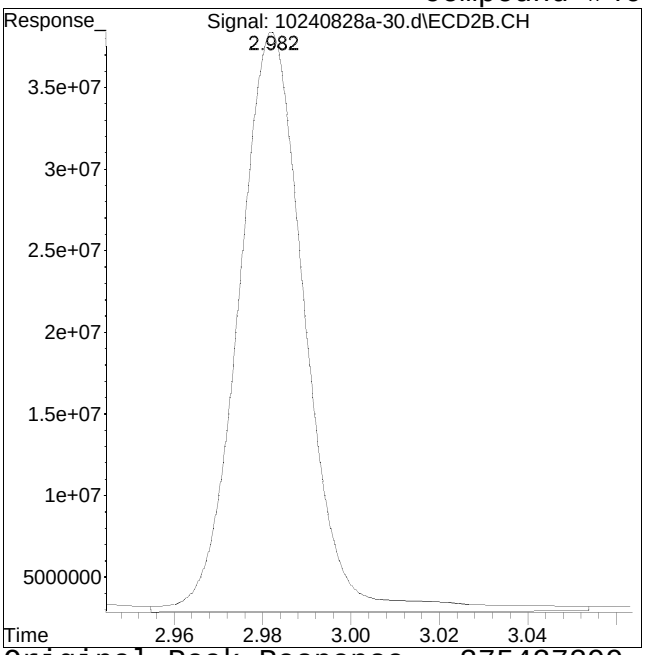


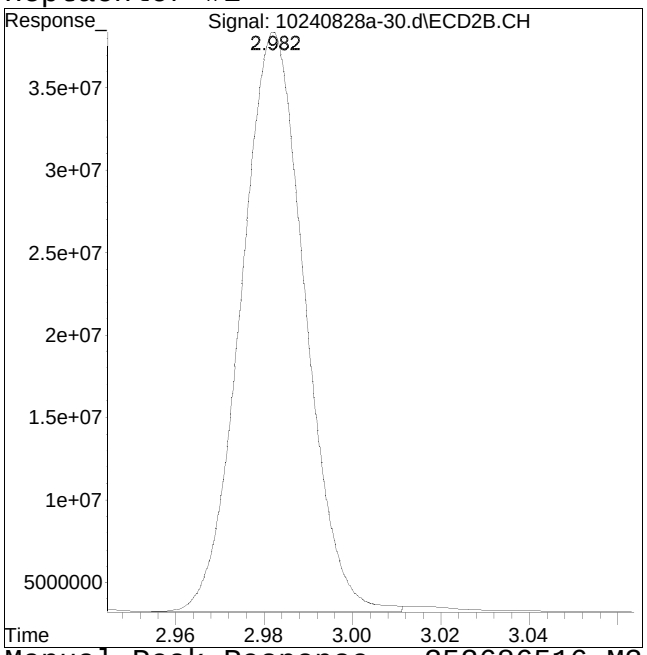
Original Peak Response = 1760591243 Manual Peak Response = 1670186736 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #46: Heptachlor #2



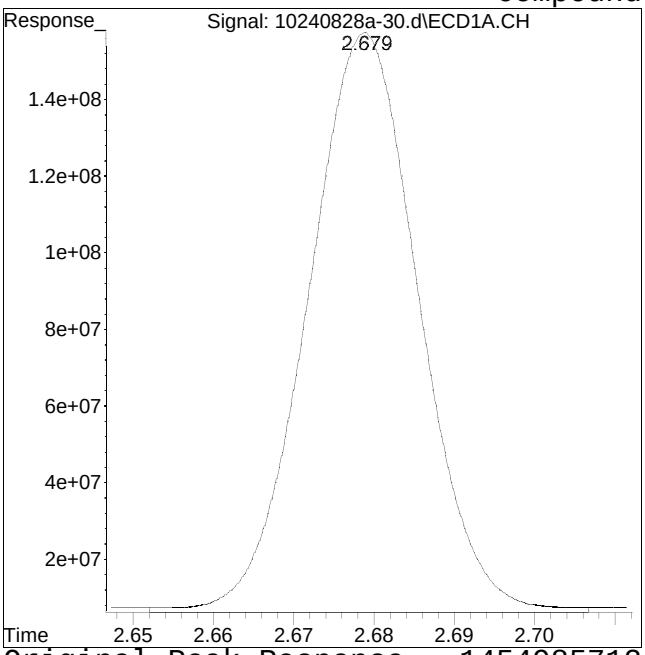


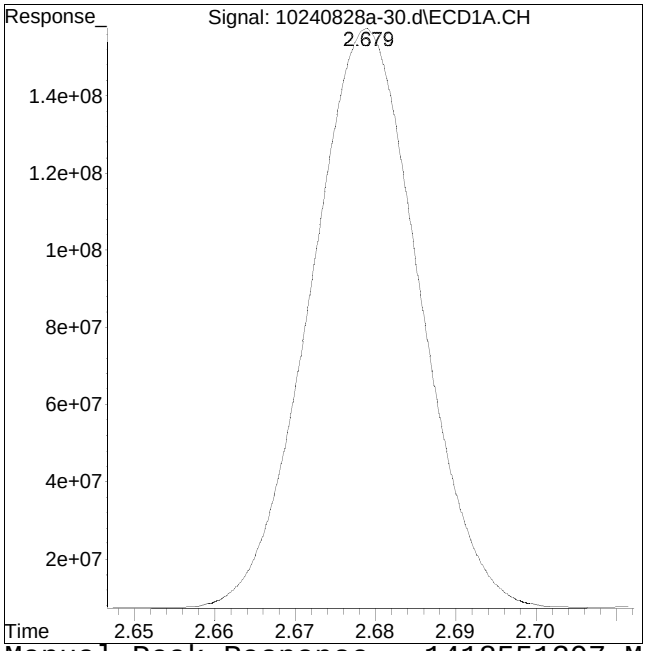
Original Peak Response = 375437399 Manual Peak Response = 352686516 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #9: Aldrin



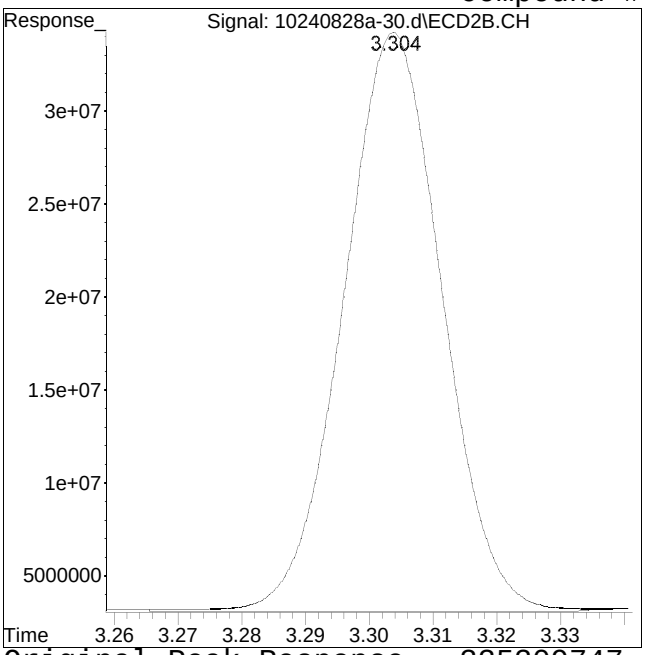


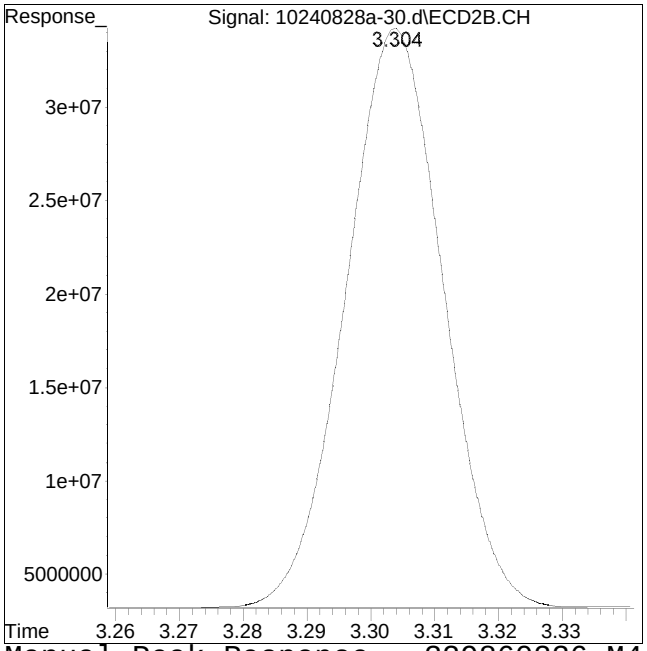
Original Peak Response = 1454985712 Manual Peak Response = 1418551307 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #47: Aldrin #2



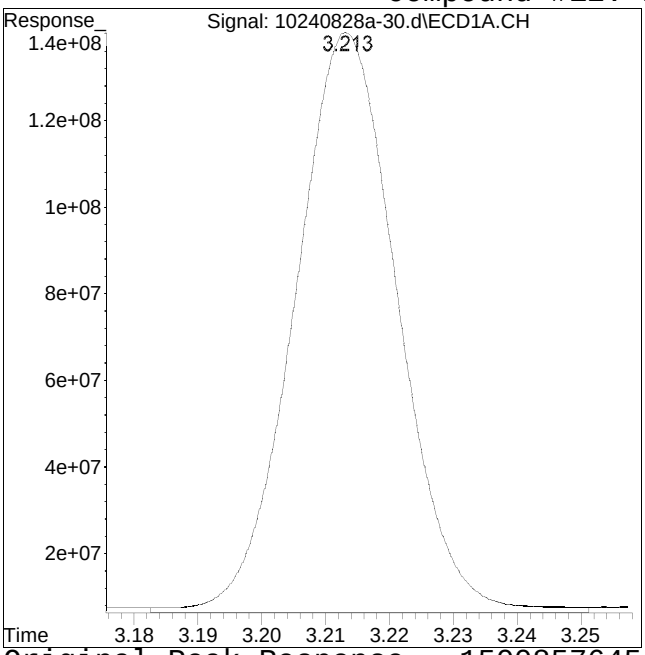


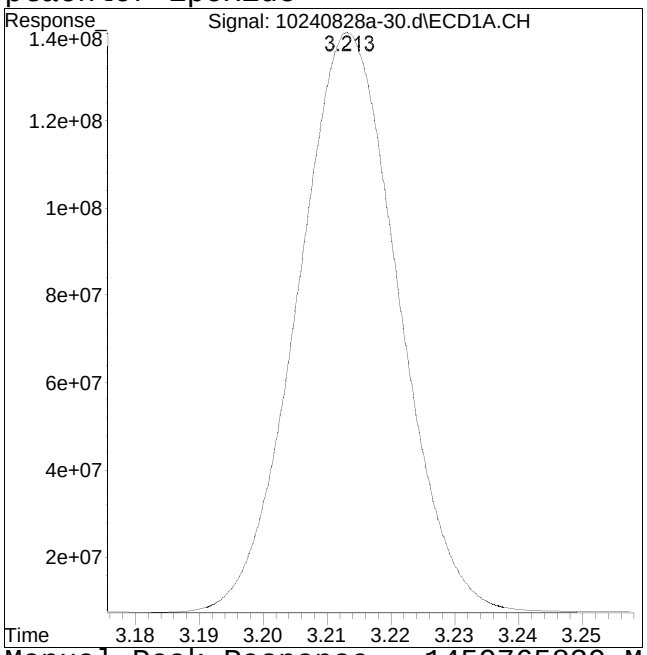
Original Peak Response = 335309747 Manual Peak Response = 329860236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #12: Heptachlor Epoxide



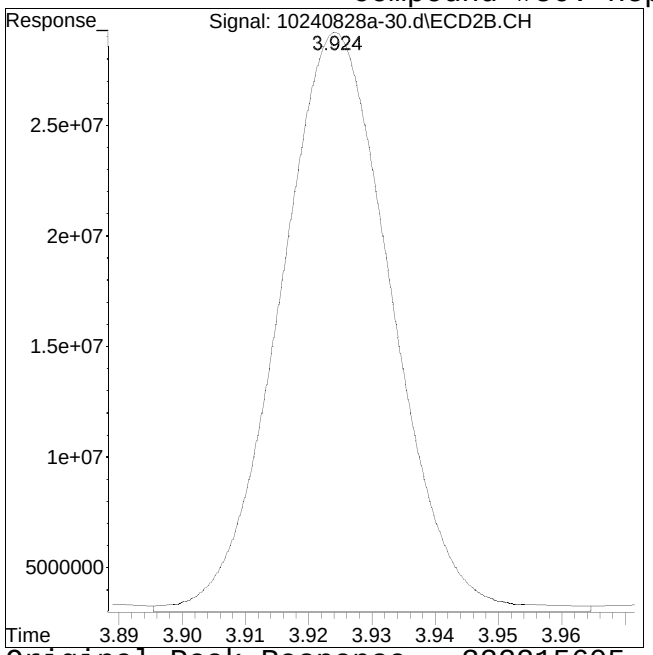


Original Peak Response = 1500857645 Manual Peak Response = 1459765839 M4
M4 = Poor automated baseline construction.

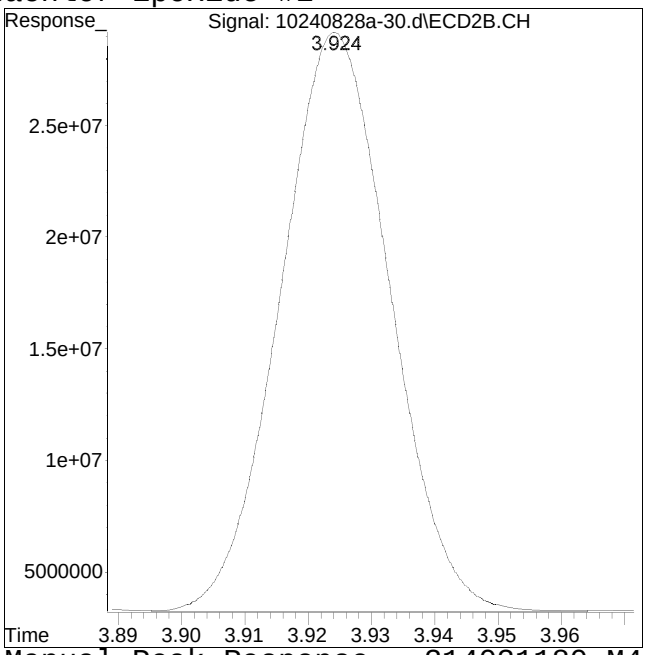
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 322215605



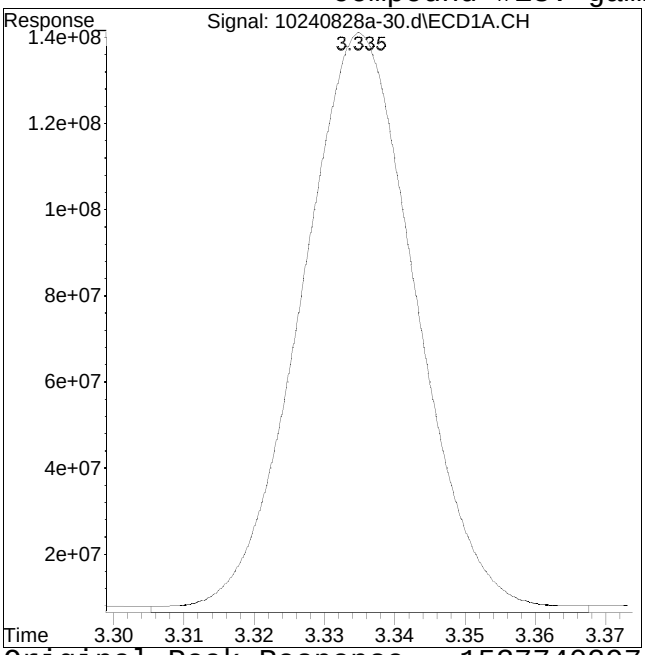
Manual Peak Response = 314031180 M4

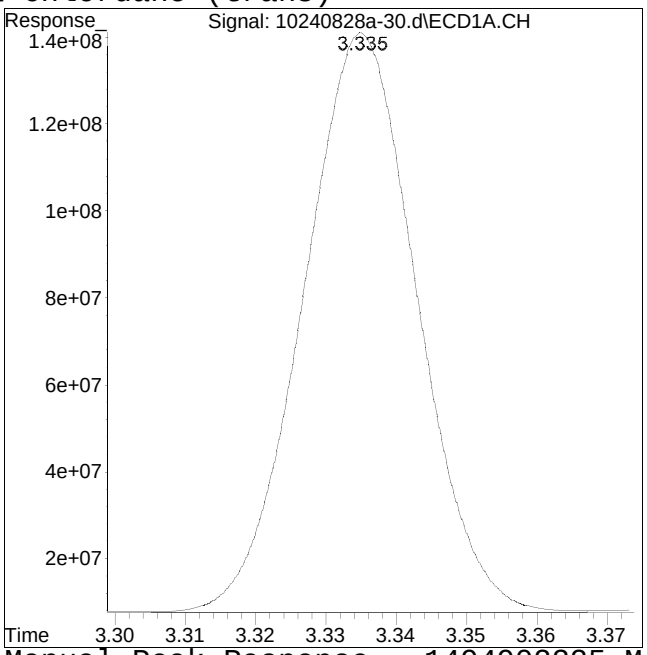
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #13: gamma-Chlordane (trans)



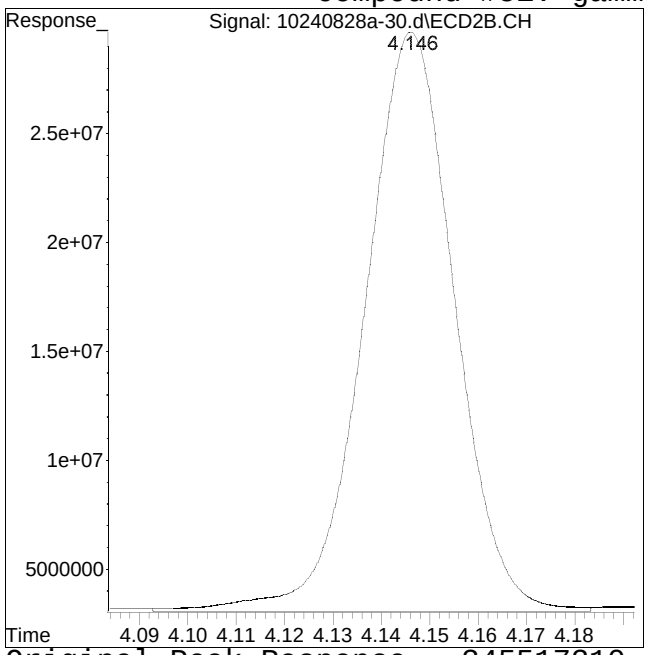


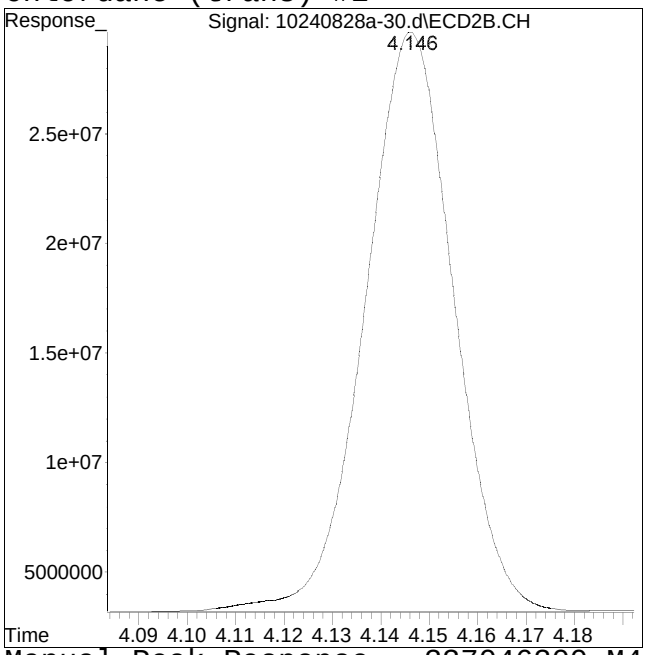
Original Peak Response = 1537740297 Manual Peak Response = 1494902225 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #51: gamma-Chlordane (trans) #2



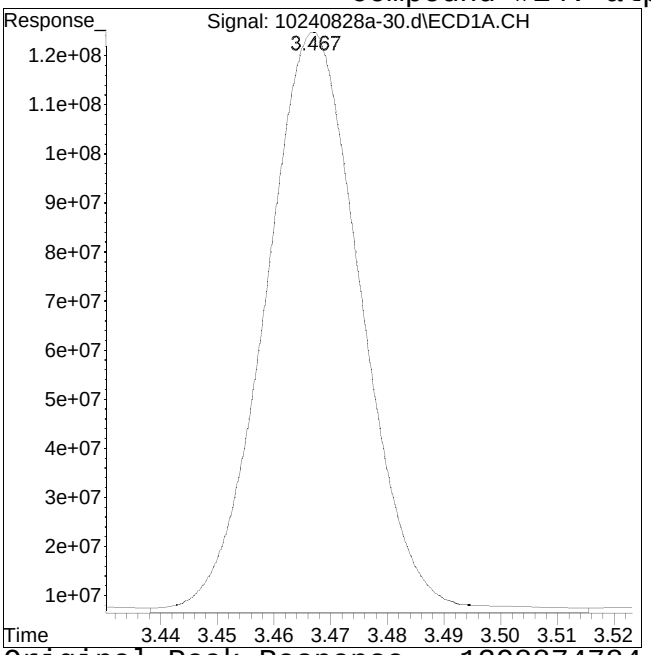


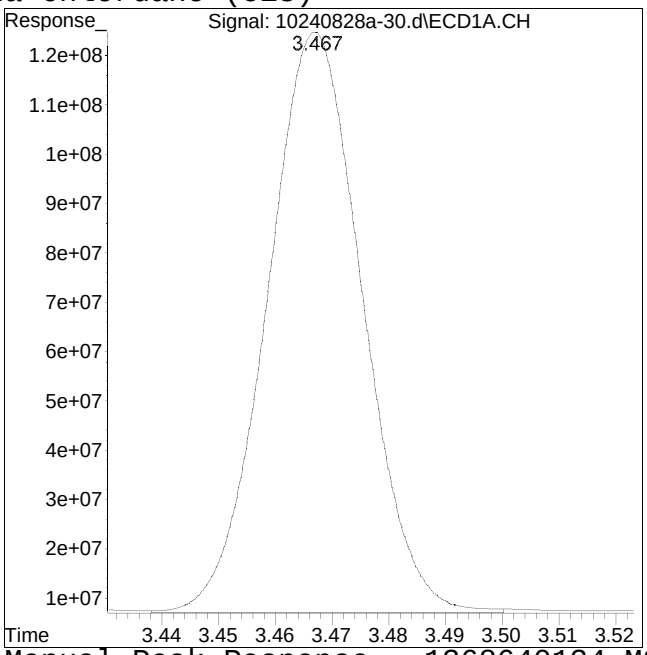
Original Peak Response = 345517310 Manual Peak Response = 337046300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #14: alpha-Chlordane (cis)



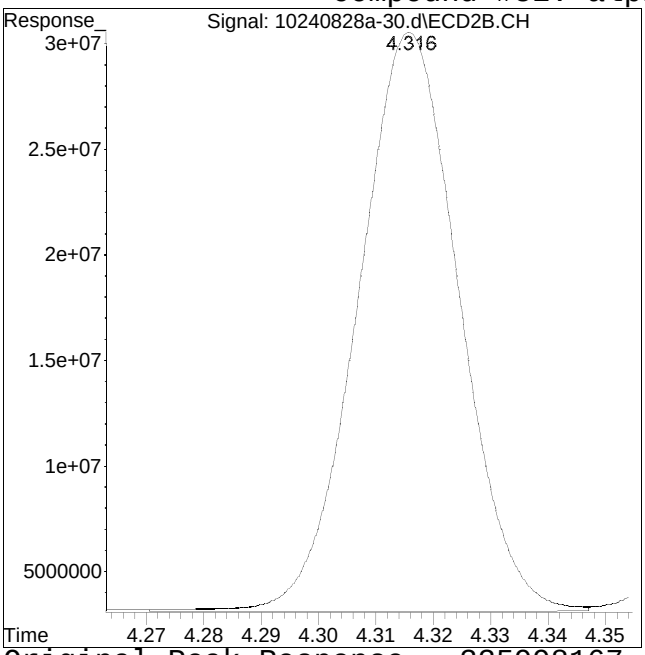


Original Peak Response = 1398874784 Manual Peak Response = 1368640134 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

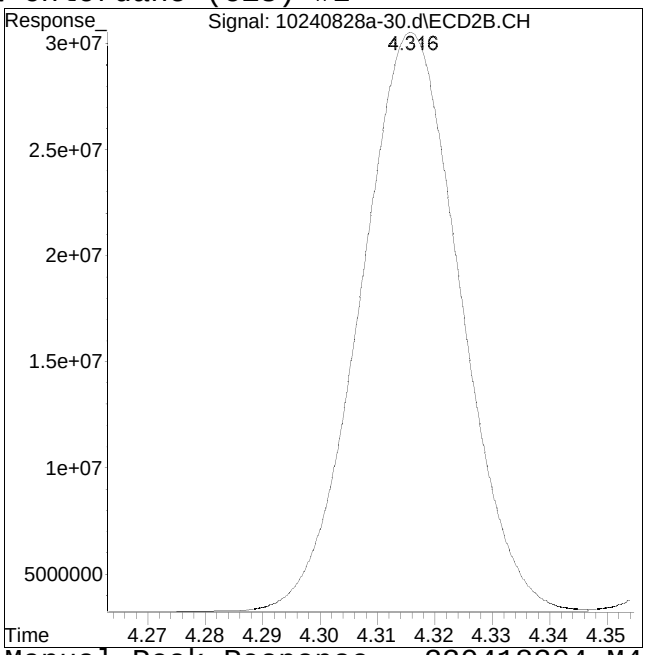
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 335998167



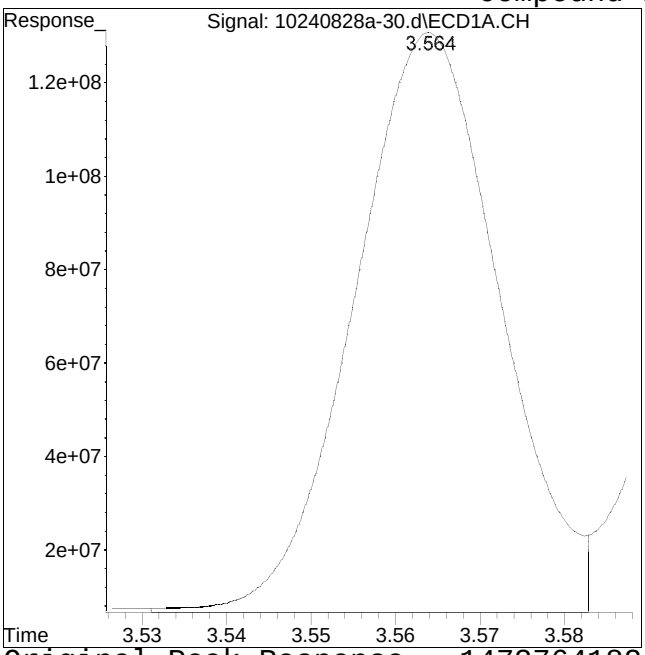
Manual Peak Response = 330418304 M4

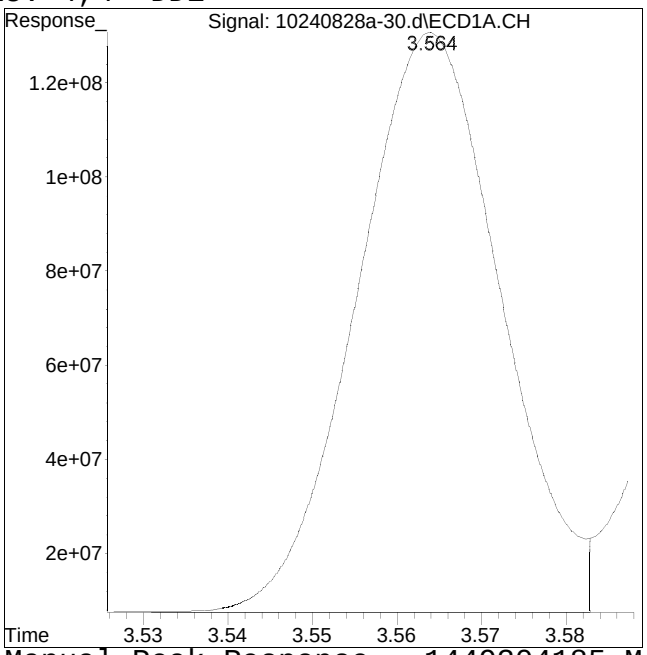
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #15: 4,4'-DDE



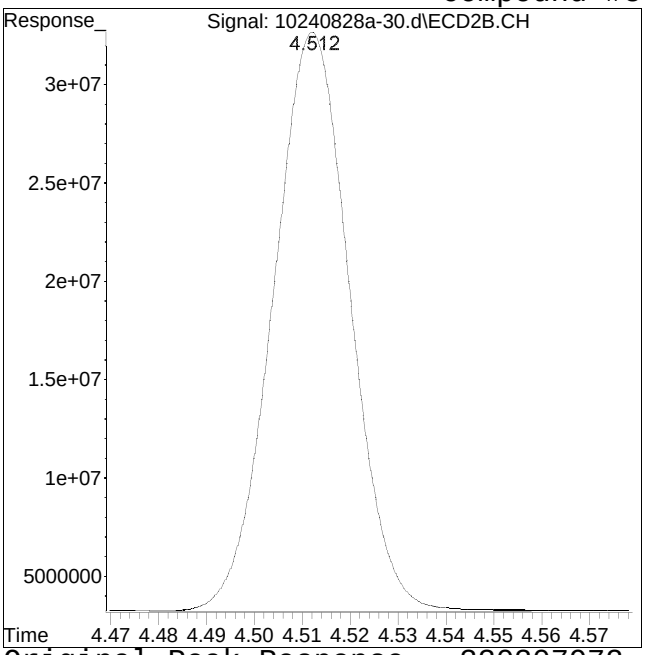


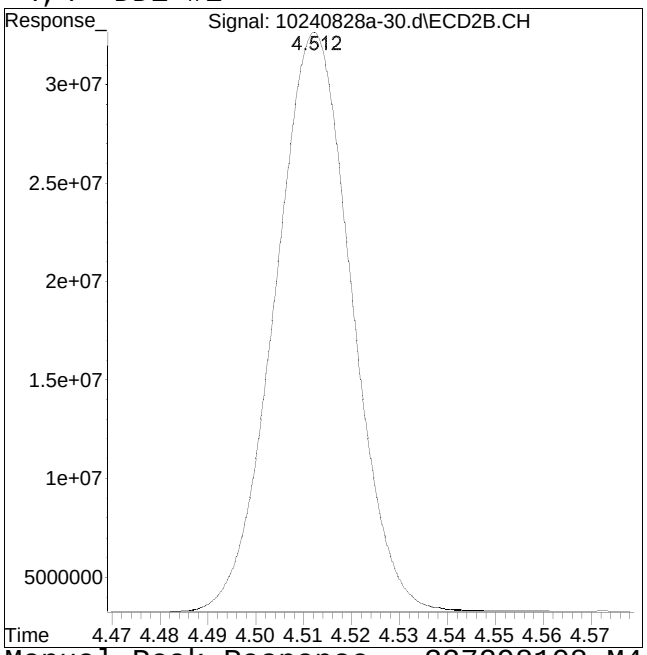
Original Peak Response = 1473764182 Manual Peak Response = 1449304185 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #53: 4,4'-DDE #2



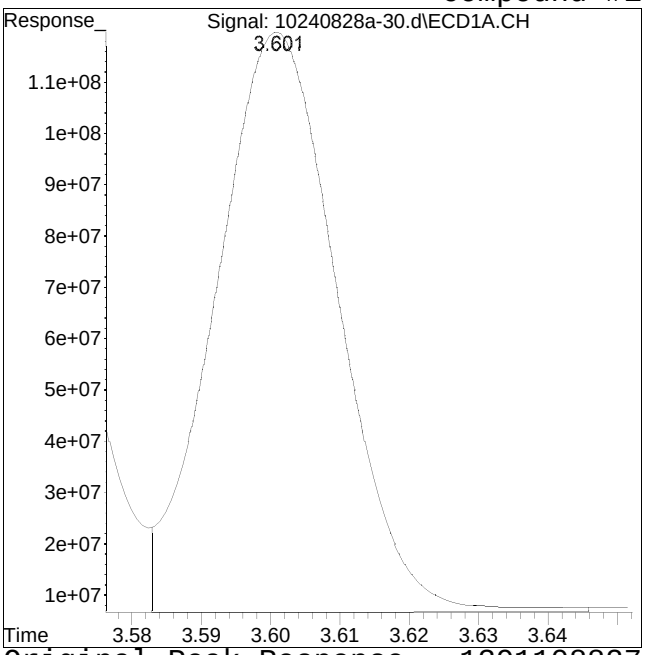


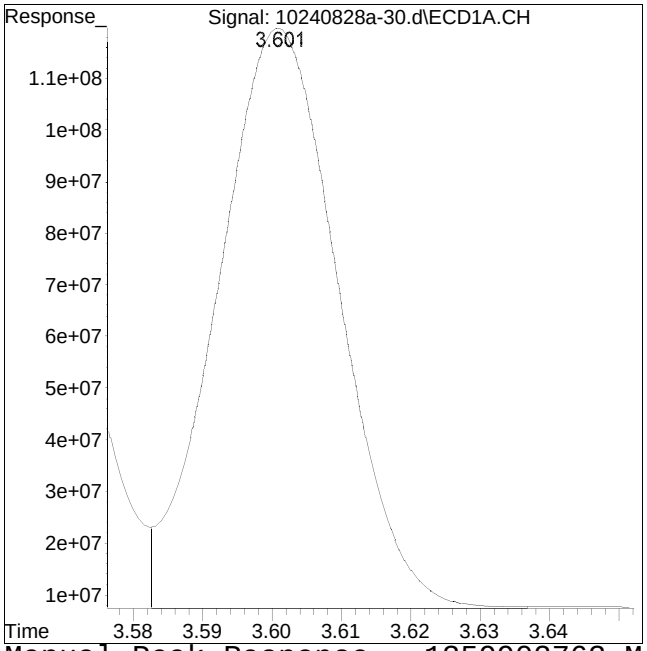
Original Peak Response = 330307972 Manual Peak Response = 327298108 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #16: Endosulfan I



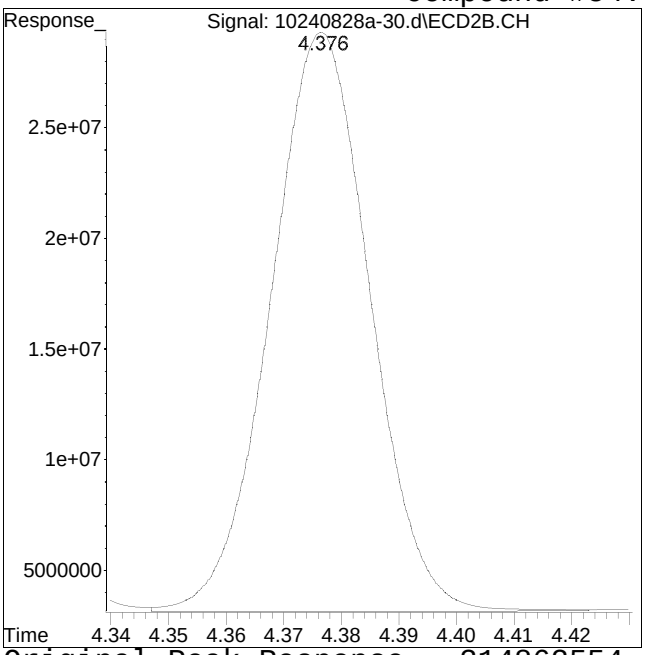


Original Peak Response = 1391108827 Manual Peak Response = 1359902763 M4
M4 = Poor automated baseline construction.

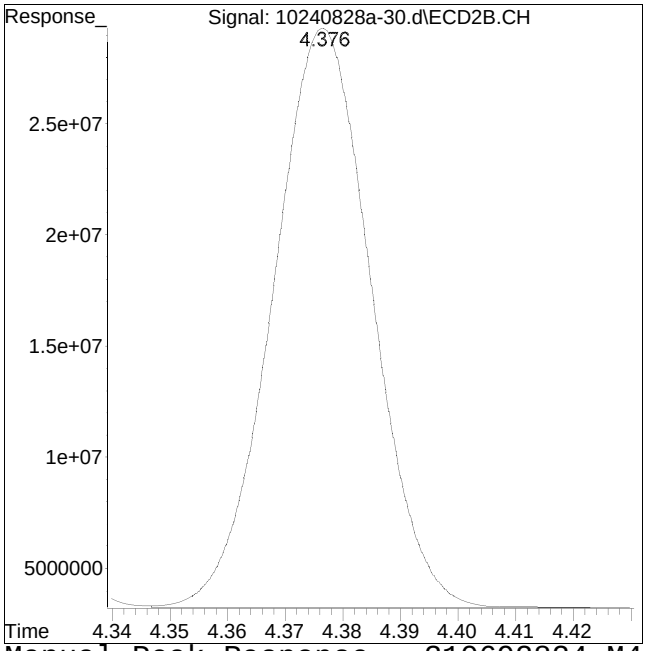
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #54: Endosulfan I #2



Original Peak Response = 314862554



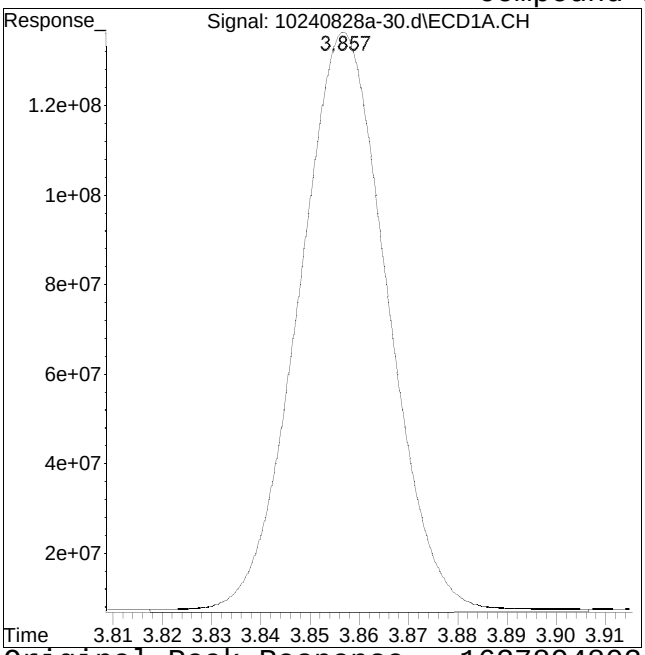
Manual Peak Response = 310692824 M4

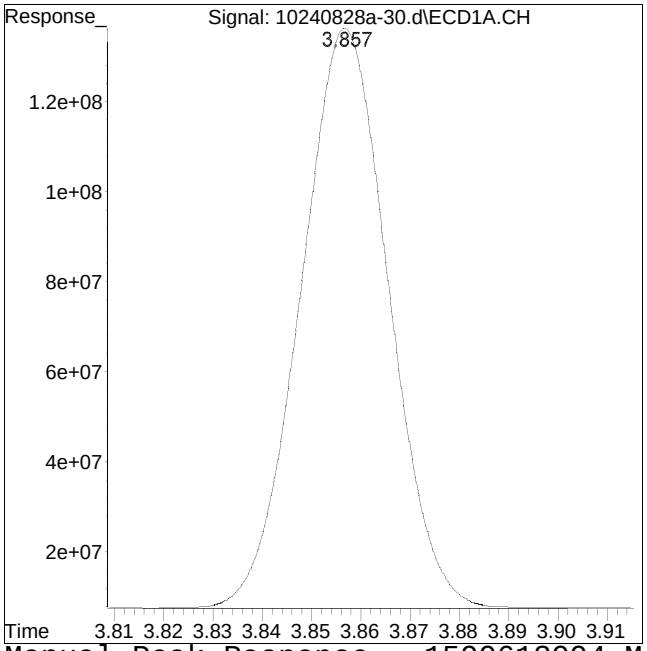
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #17: Dieldrin



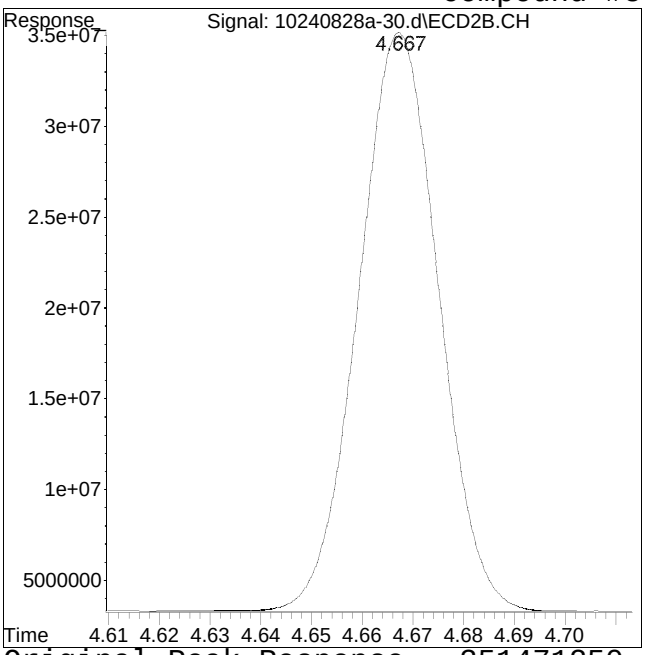


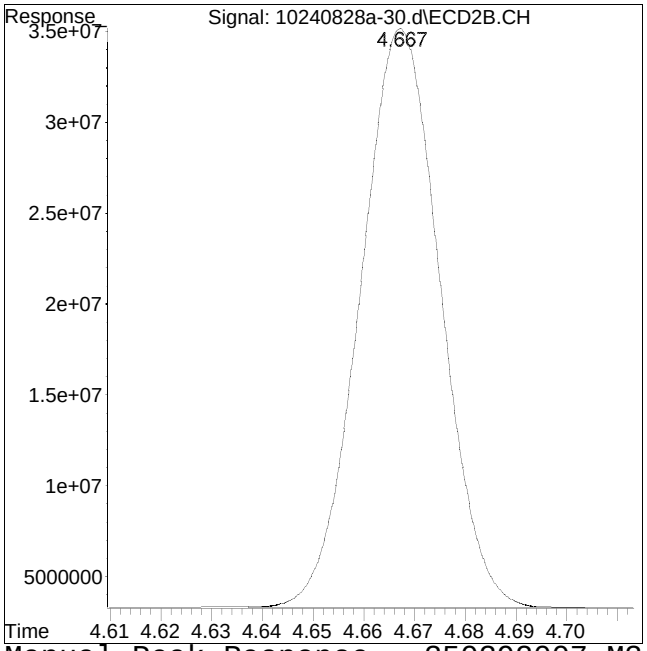
Original Peak Response = 1637894803 Manual Peak Response = 1599613994 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #55: Dieldrin #2



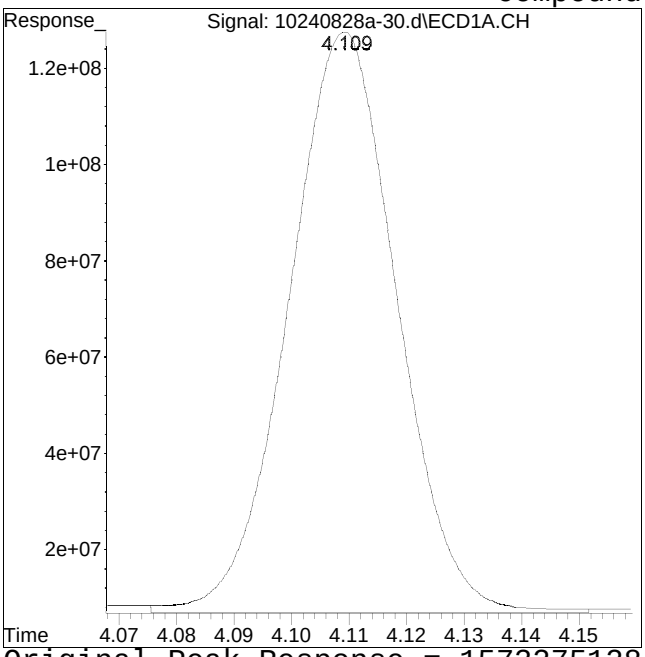


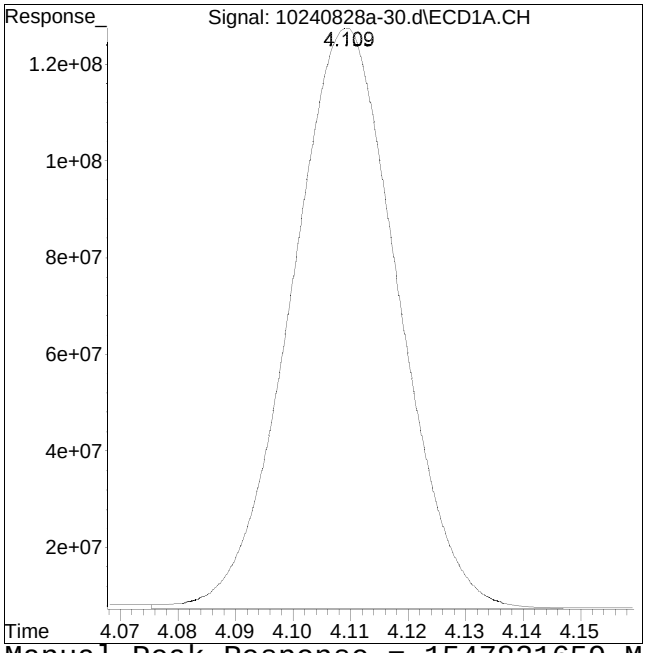
Original Peak Response = 351471250 Manual Peak Response = 350392007 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #18: Endrin



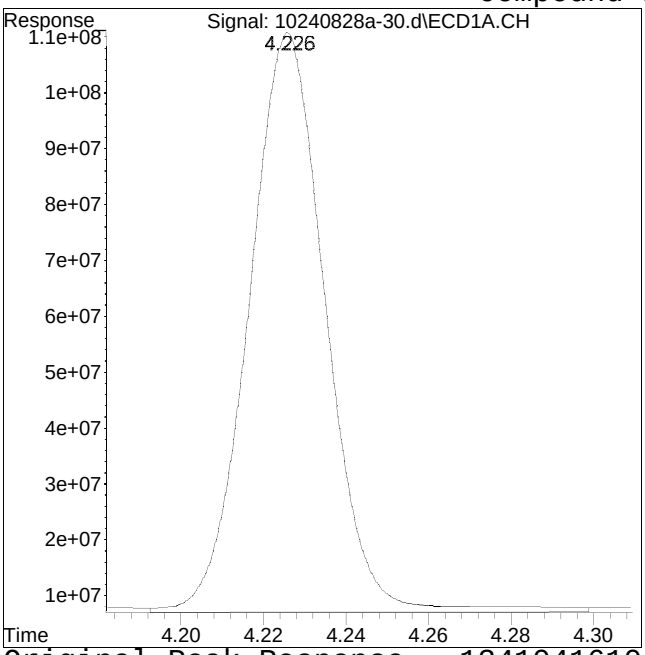


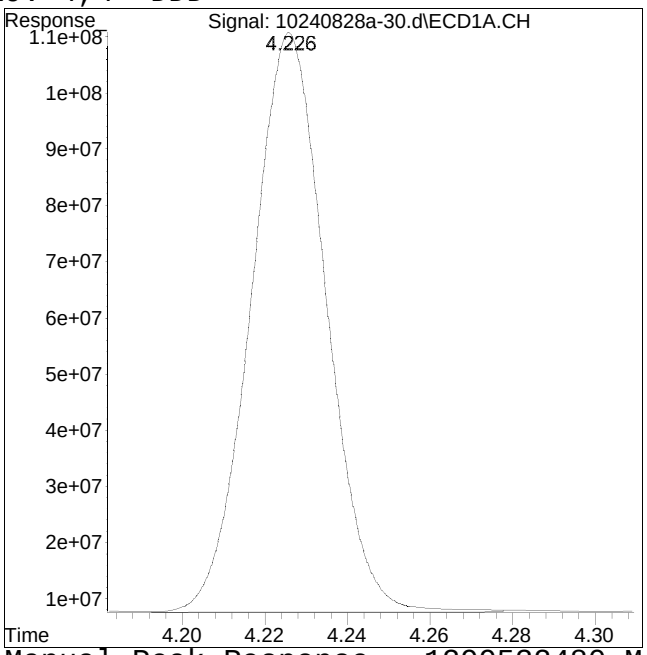
Original Peak Response = 1573275128 Manual Peak Response = 1547821659 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #19: 4,4'-DDD



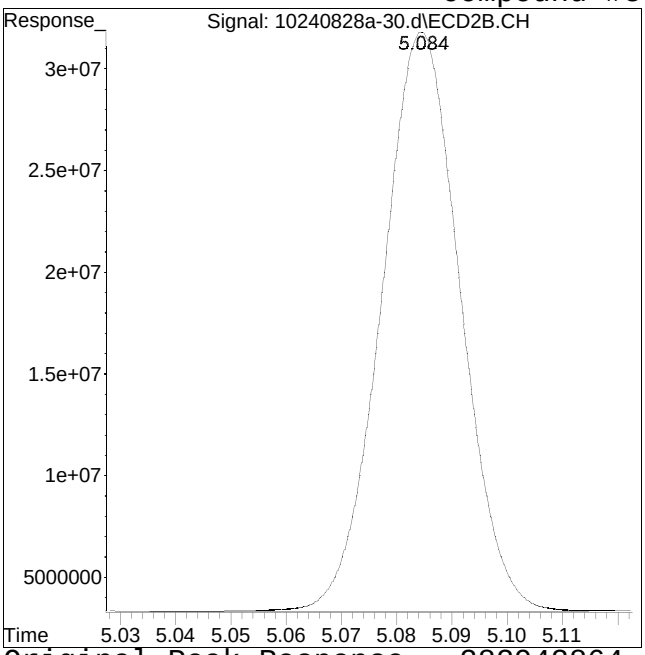


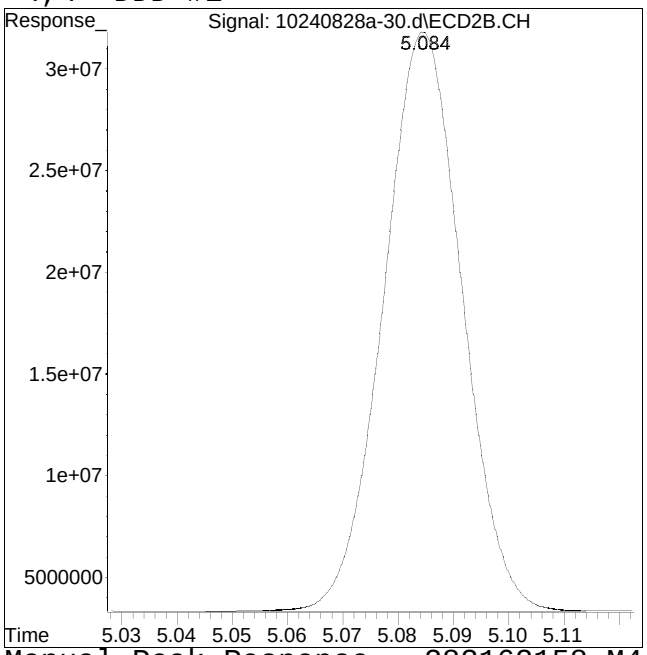
Original Peak Response = 1341041610 Manual Peak Response = 1299532480 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #57: 4,4'-DDD #2



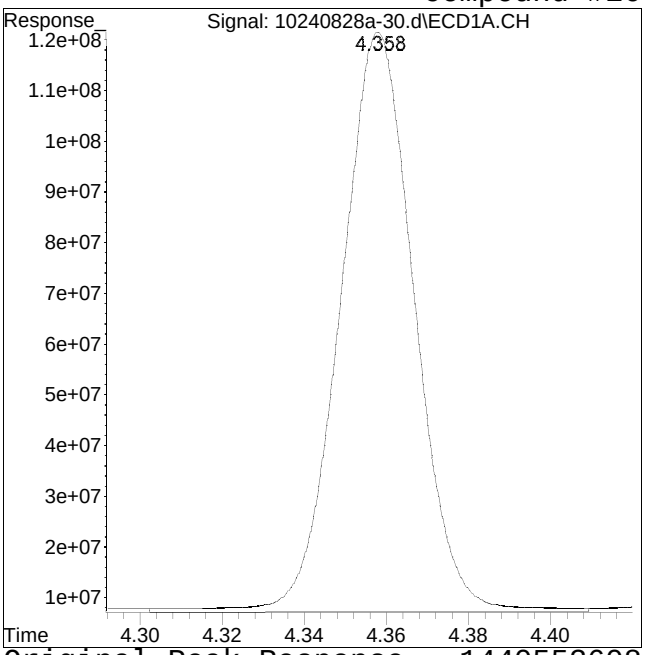


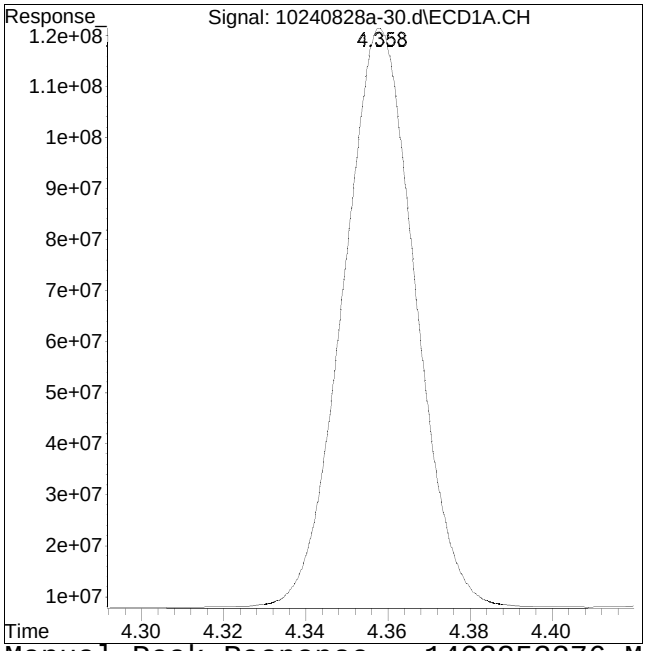
Original Peak Response = 282942864 Manual Peak Response = 282162158 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #20: Endosulfan II



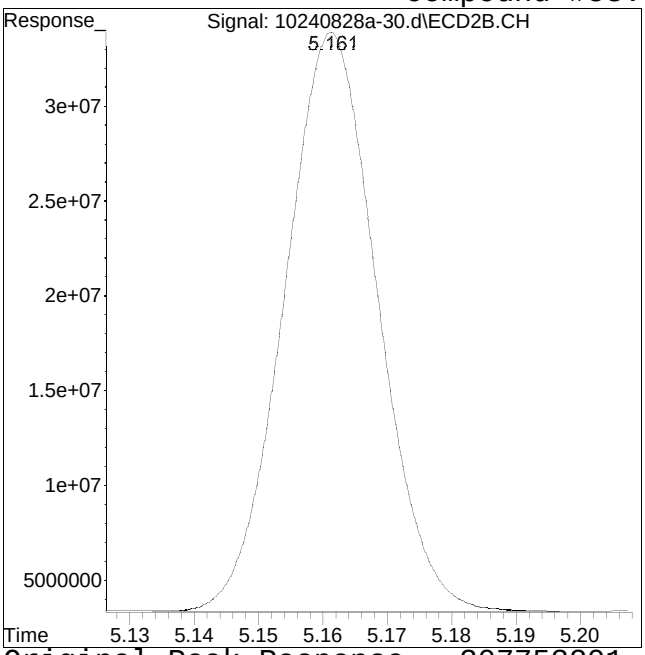


Original Peak Response = 1440553608 Manual Peak Response = 1403253376 M4
M4 = Poor automated baseline construction.

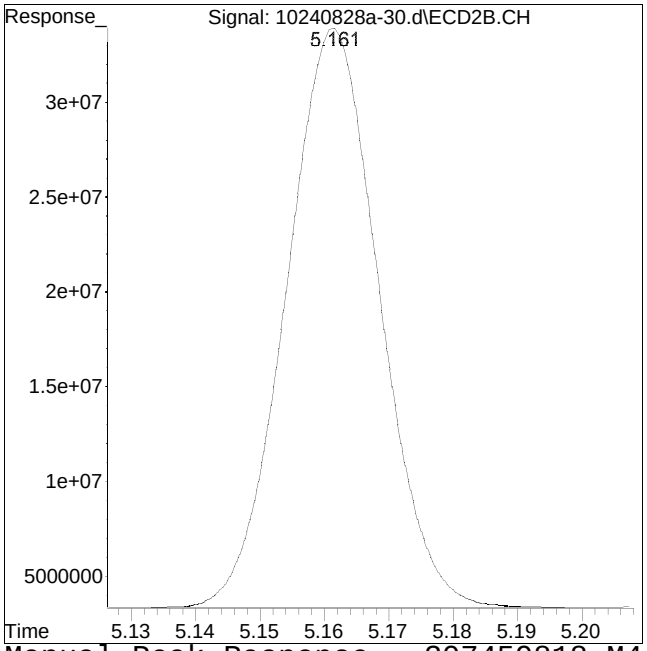
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #58: Endosulfan II #2



Original Peak Response = 307753201



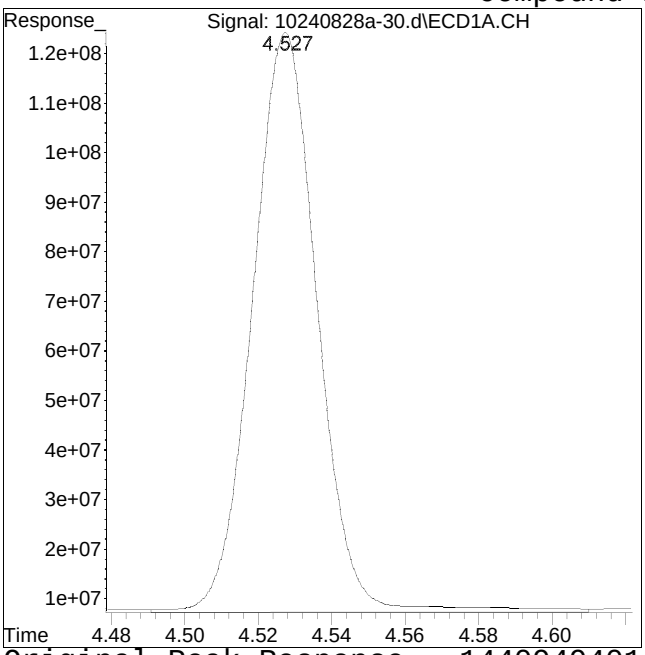
Manual Peak Response = 307459818 M4

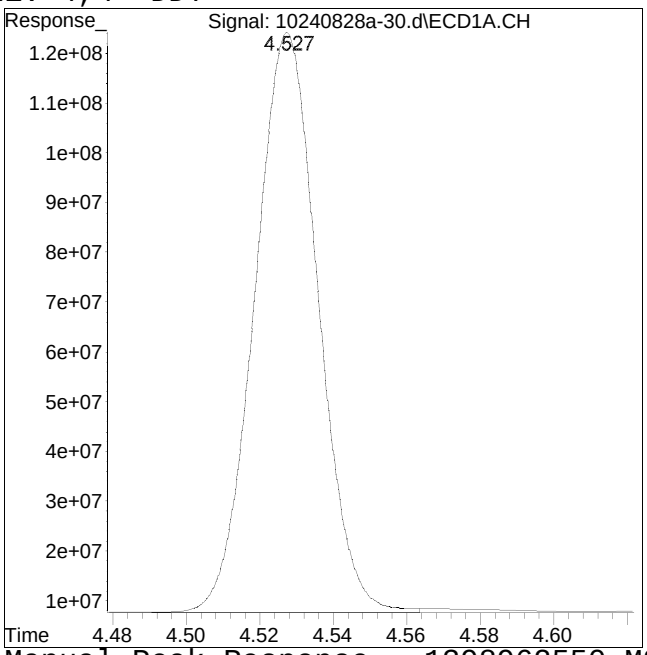
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #21: 4,4'-DDT



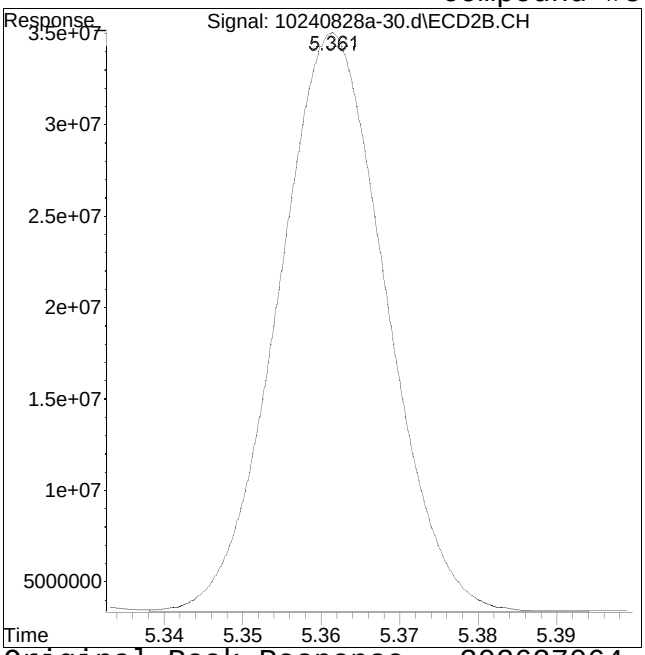


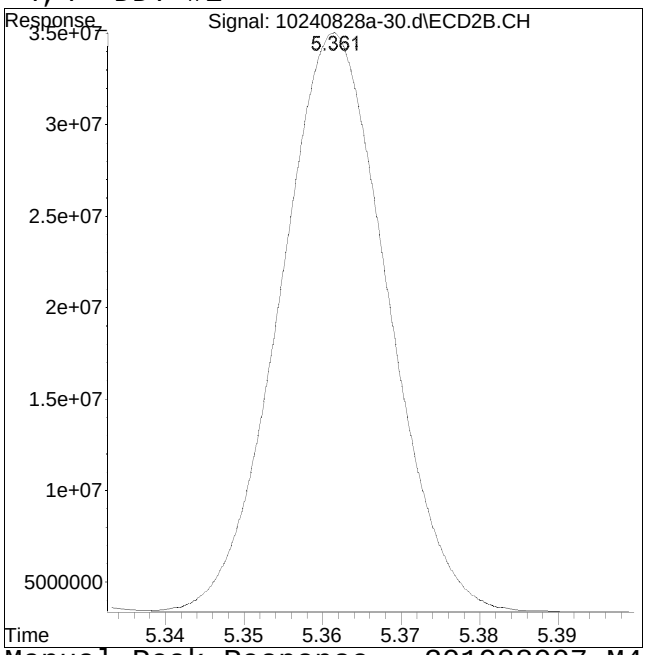
Original Peak Response = 1440949401 Manual Peak Response = 1398962550 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #59: 4,4'-DDT #2



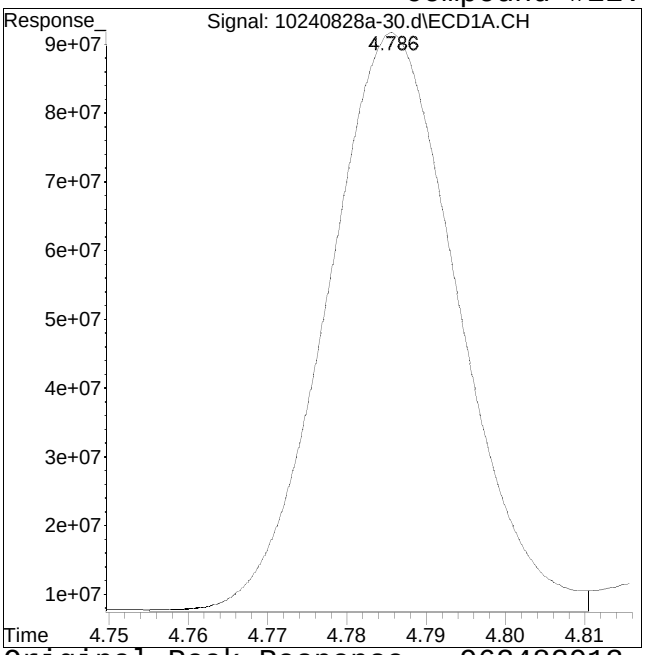


Original Peak Response = 302627064 Manual Peak Response = 301988007 M4
M4 = Poor automated baseline construction.

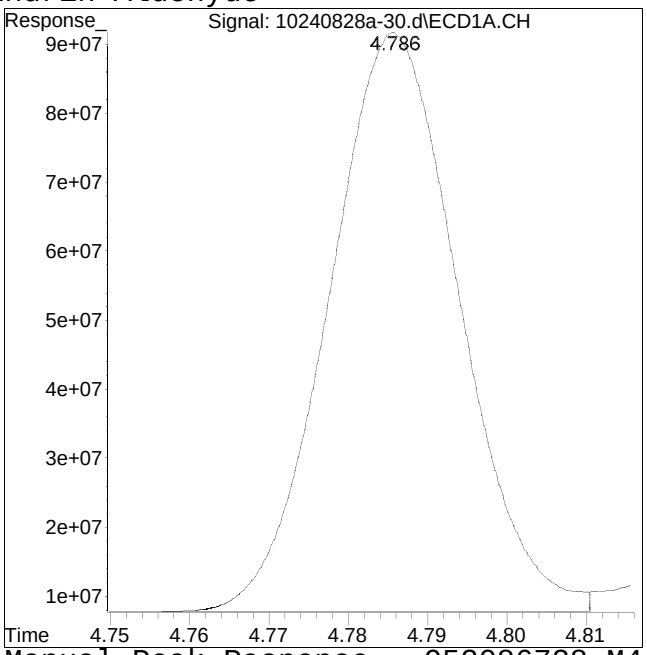
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 962482913



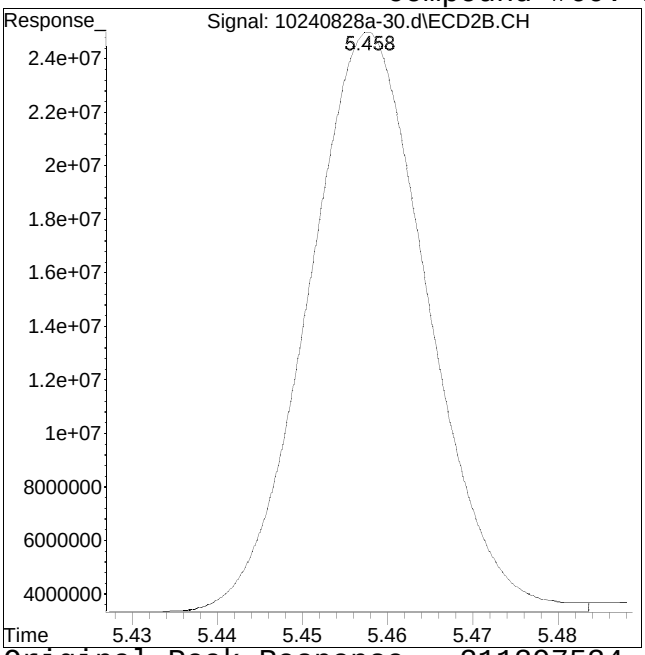
Manual Peak Response = 952086728 M4

M4 = Poor automated baseline construction.

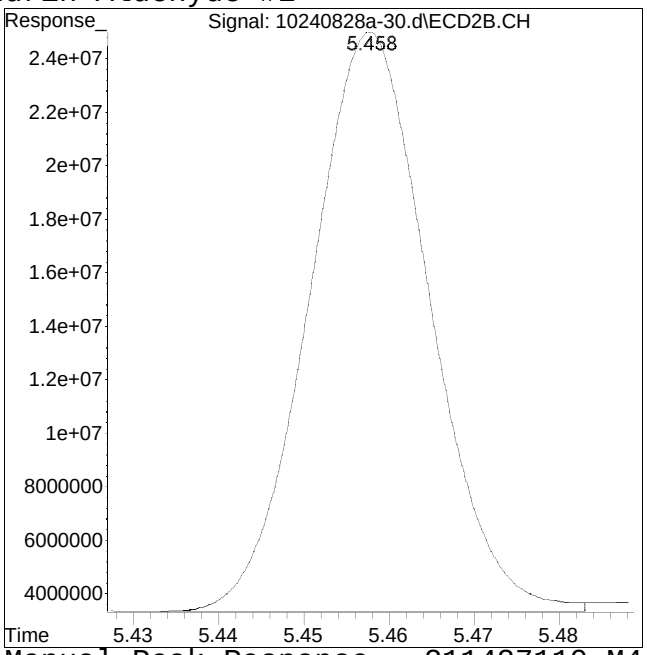
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 211397534



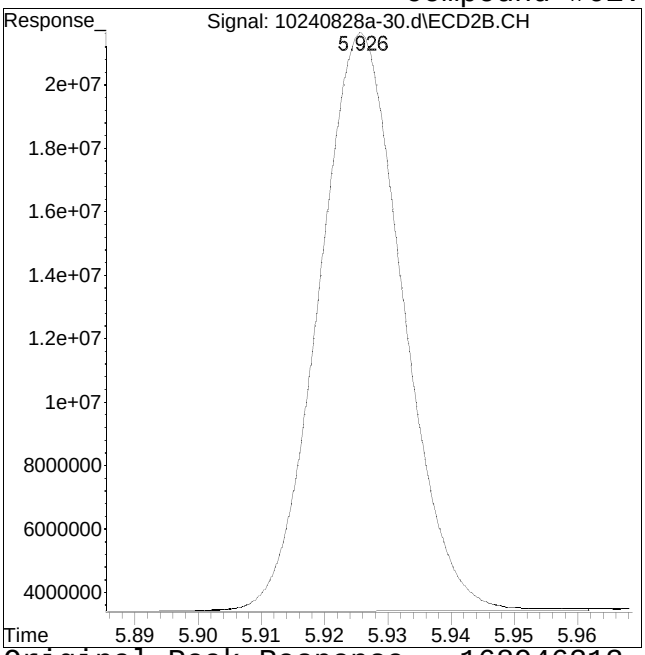
Manual Peak Response = 211427110 M4

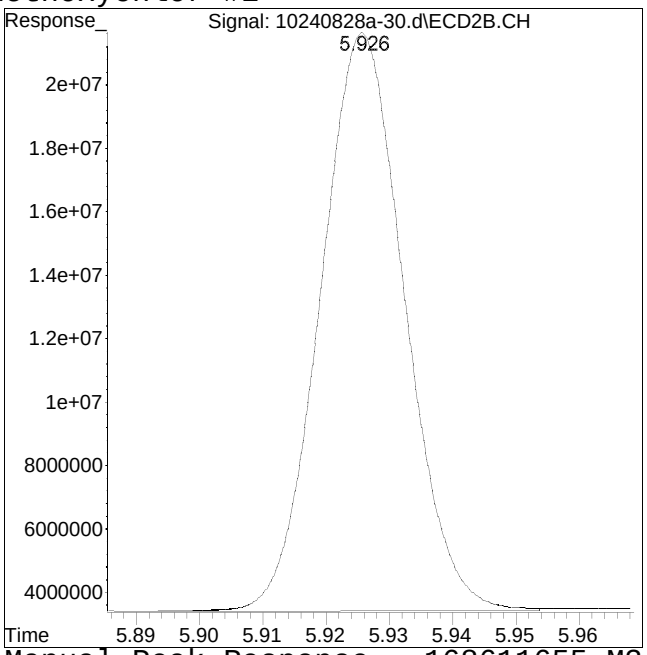
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #61: Methoxychlor #2



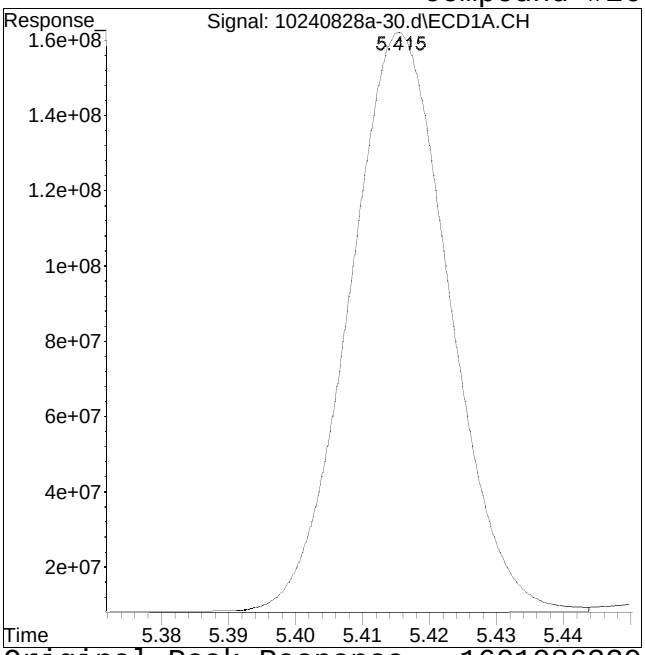


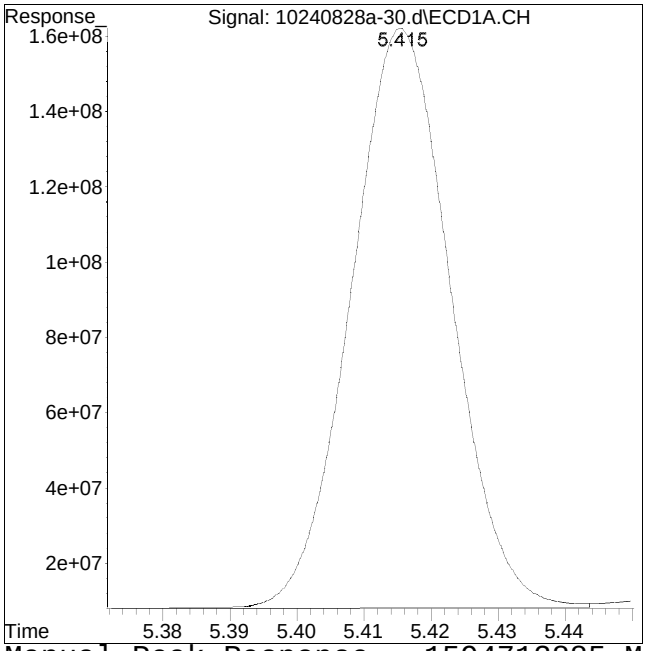
Original Peak Response = 168946313 Manual Peak Response = 168611655 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #26: Endrin Ketone



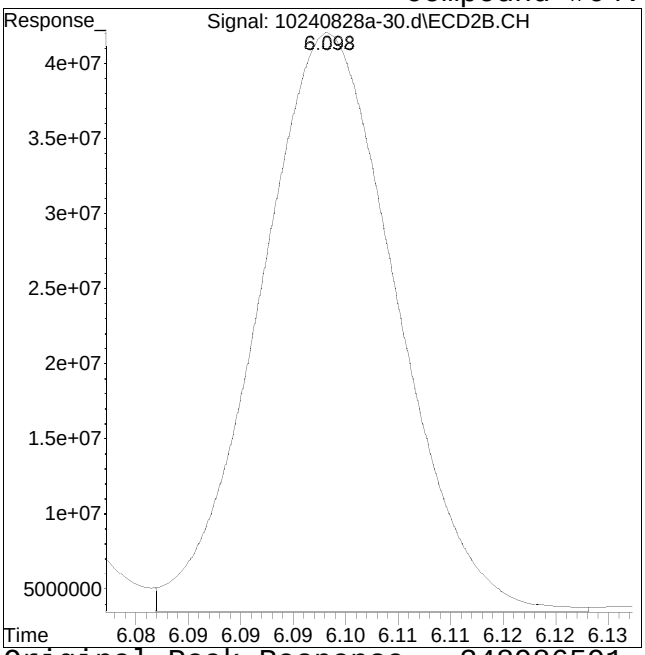


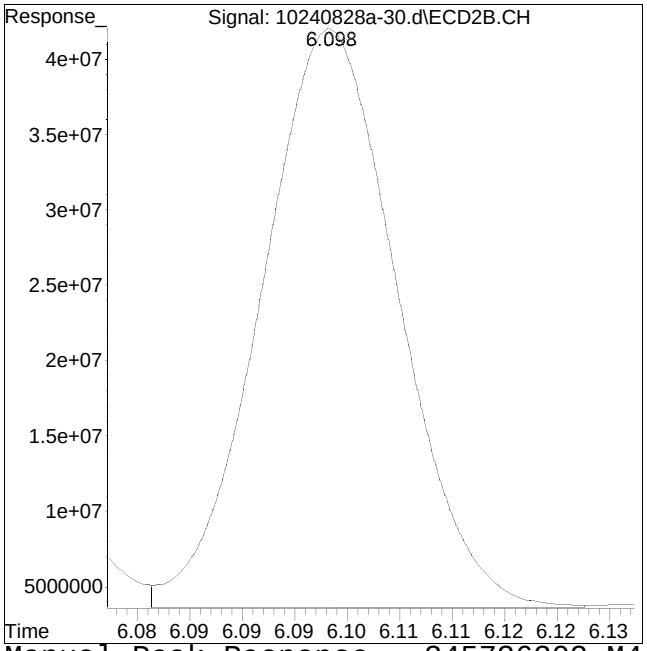
Original Peak Response = 1601086329 Manual Peak Response = 1594712885 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #64: Endrin Ketone #2



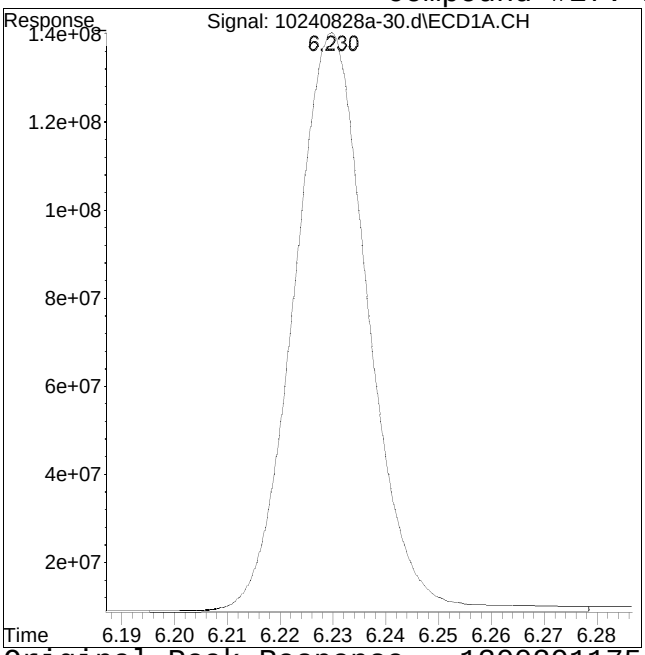


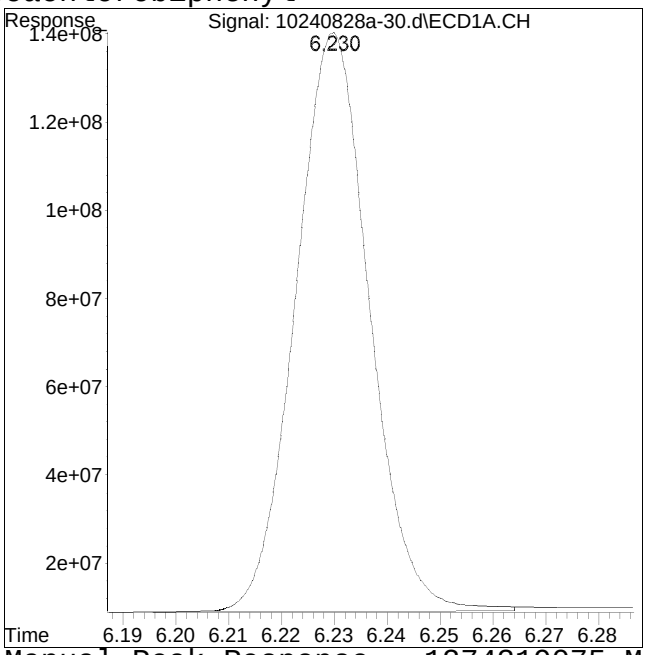
Original Peak Response = 348986591 Manual Peak Response = 345736202 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #27: Decachlorobiphenyl



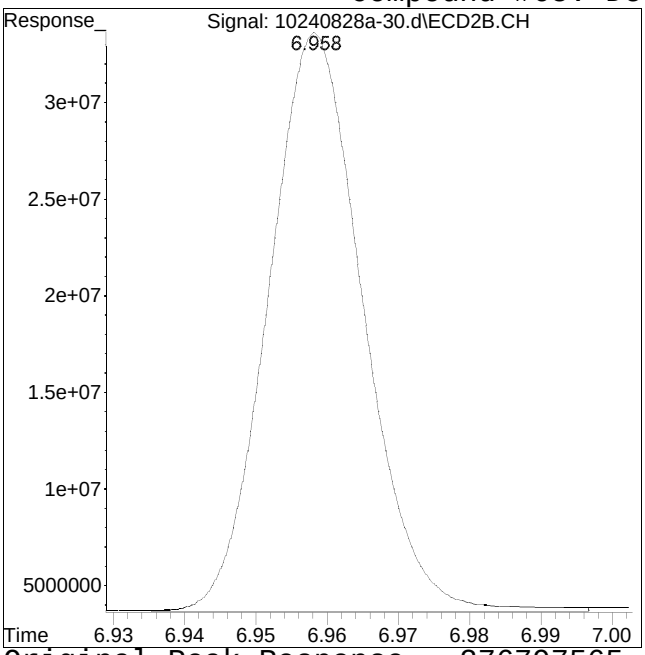


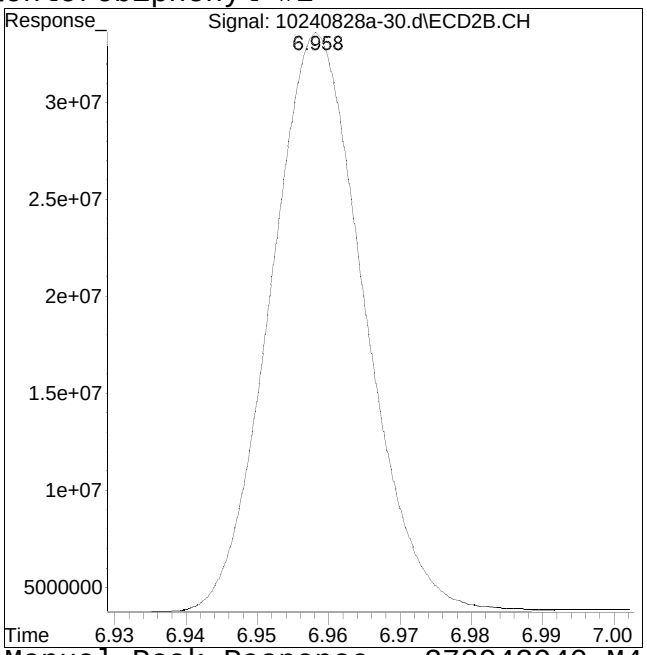
Original Peak Response = 1300291175 Manual Peak Response = 1274319075 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-30.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:11 Instrument : Pest 10
Sample : WG1964642-3,42,, Quant Date : 8/28/2024 12:44 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 276797565 Manual Peak Response = 272942940 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:55
Operator : PEST10:mmg
Sample : WG1964642-4,42,, ms
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:23 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.388	846.6E6	191.2E6	25.000	25.000M3
	Standard Area 1 : #1 = 712112923				Recovery = 118.89%		
	Standard Area 1 : #2 = 150538774				Recovery = 127.02%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.871	1289.5E6	283.1E6	30.794	33.250M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 61.59%		66.50%	
27) s	Decachlorobi	6.230	6.960	1282.3E6	281.0E6	31.521M4	35.562M3
	Spiked Amount 50.000	Range 30 - 150		Recovery = 63.04%		71.12%	
Target Compounds							
4) t	alpha-BHC	1.906	2.293	1847.1E6	403.9E6	30.597M4	33.693M4
5) t	gamma-BHC (l	2.103	2.581	1735.6E6	375.0E6	30.518M4	33.167M4
6) t	beta-BHC	2.159	2.646	739.1E6	168.2E6	29.992M4	31.314M4
7) t	delta-BHC	2.284	2.916	1608.6E6	320.9E6	28.134M4	28.122M4
8) t	Heptachlor	2.442	2.982	1726.8E6	364.4E6	32.087M4	32.530M3
9) t	Aldrin	2.679	3.305	1452.6E6	338.2E6	28.324M4	32.835
12) t	Heptachlor E	3.214	3.925	1521.2E6	326.9E6	31.368M4	31.928M4
13) t	gamma-Chlord	3.335	4.147	1560.2E6	349.4E6	34.882M4	38.229M4
14) t	alpha-Chlord	3.467	4.316	1415.7E6	344.5E6	27.602M4	33.170M4
15) t	4,4'-DDE	3.564	4.512	1501.5E6	339.8E6	30.193M4	34.497M4
16) t	Endosulfan I	3.601	4.377	1416.3E6	325.7E6	30.749M4	33.789M4
17) t	Dieldrin	3.857	4.667	1673.0E6	367.2E6	34.790M4	38.097M3
18) t	Endrin	4.110	4.964	1610.2E6	349.9E6	32.517M4	35.535
19) t	4,4'-DDD	4.226	5.085	1348.0E6	296.3E6	33.282M4	37.661M4
20) t	Endosulfan I	4.358	5.162	1458.5E6	320.3E6	33.150M4	35.646M4
21) t	4,4'-DDT	4.527	5.362	1409.0E6	312.7E6	31.064M3	36.000M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:55
Operator : PEST10:mmg
Sample : WG1964642-4,42,, ms
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:23 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.786	5.458	972.0E6	216.7E6	26.693M4	28.971M4
23) t Methoxychlor	5.029	5.926	814.2E6	172.3E6	32.410	35.372M4
25) t Endosulfan S	5.186	5.686	1398.6E6	300.5E6	32.967M4	34.700M4
26) t Endrin Keton	5.416	6.098	1642.9E6	355.6E6	34.440M4	37.645M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

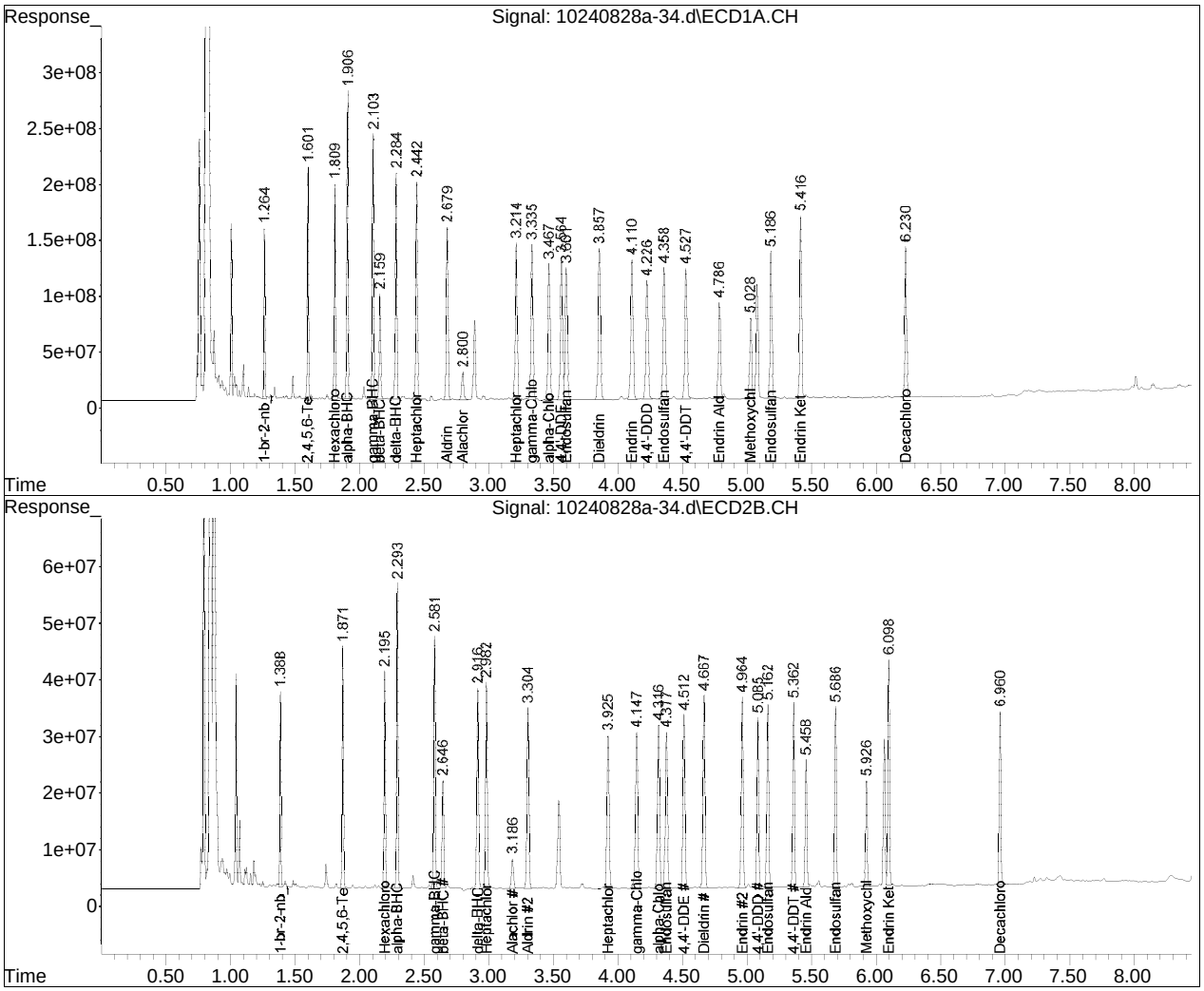
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2024\240828A\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 12:55
Operator : PEST10:mmg
Sample : WG1964642-4,42,, ms
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:23 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

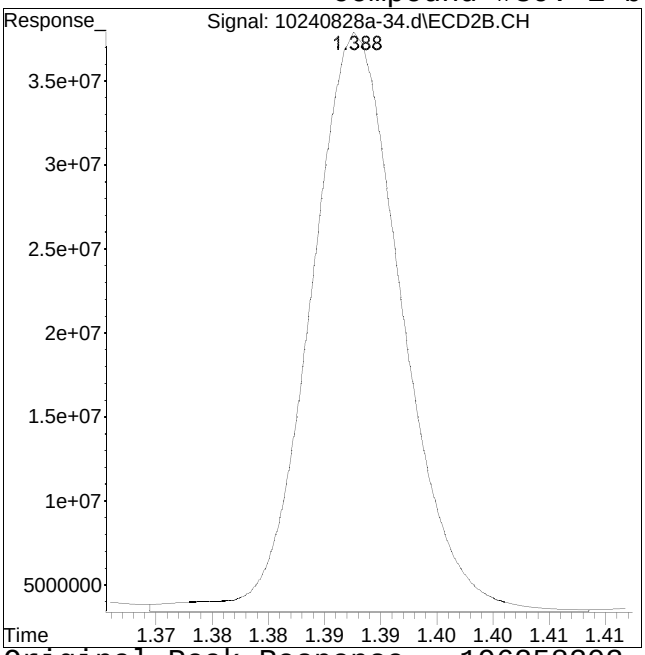
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

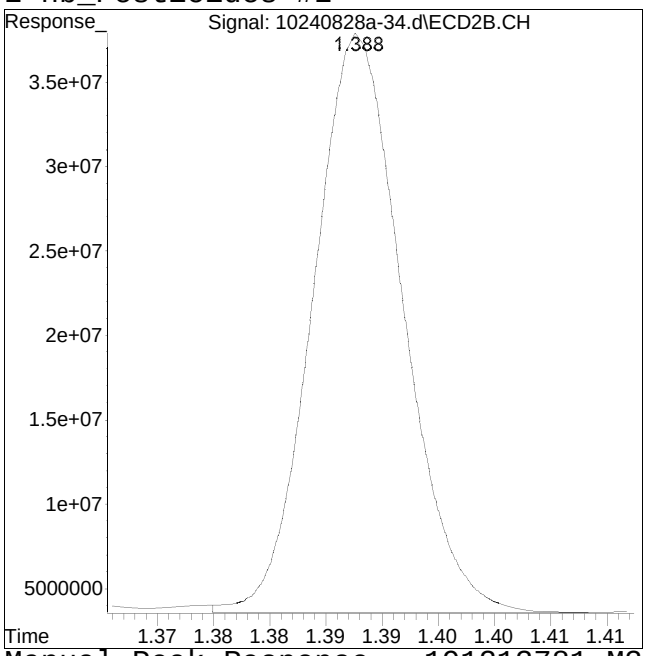


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #39: 1-br-2-nb_Pesticides #2



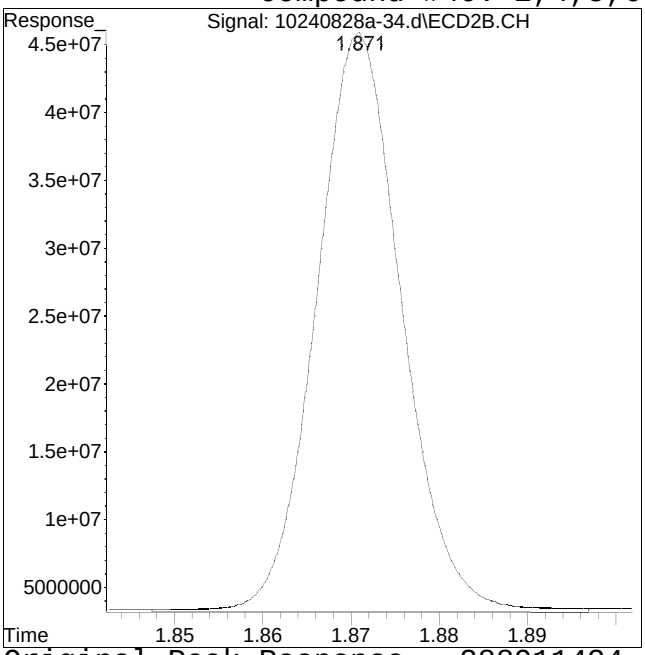


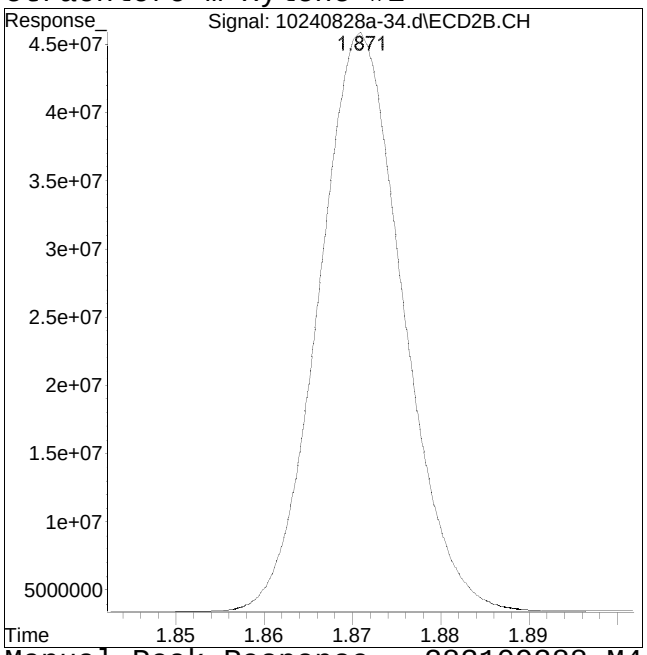
Original Peak Response = 196258303 Manual Peak Response = 191213781 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



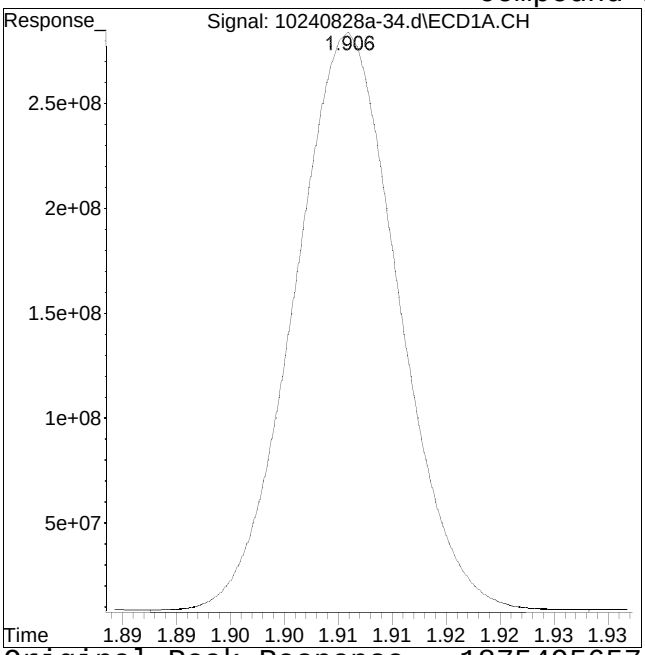


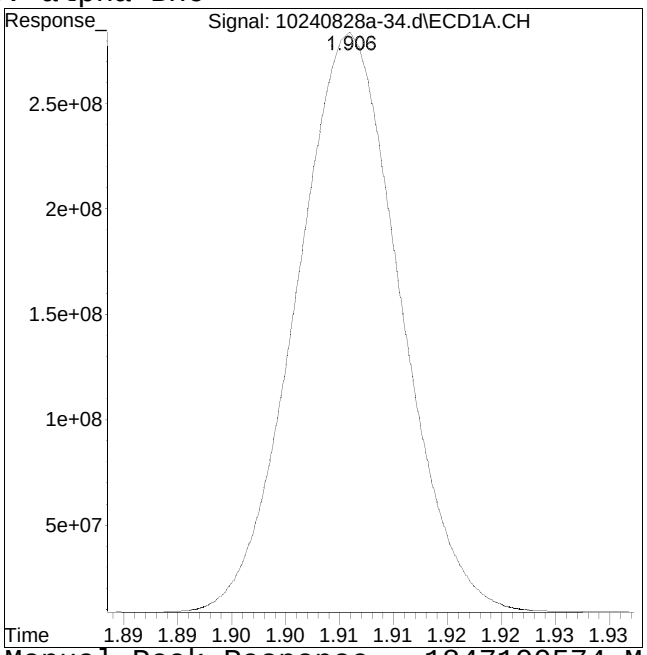
Original Peak Response = 288911424 Manual Peak Response = 283109388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #4: alpha-BHC



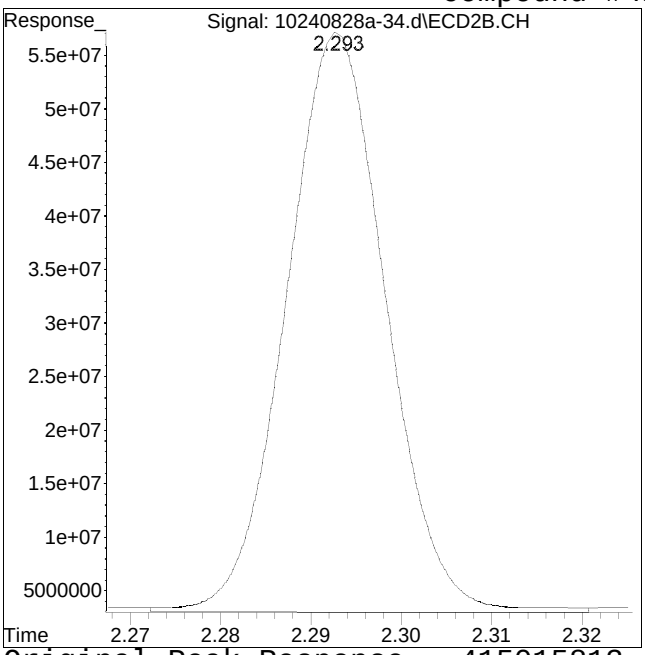


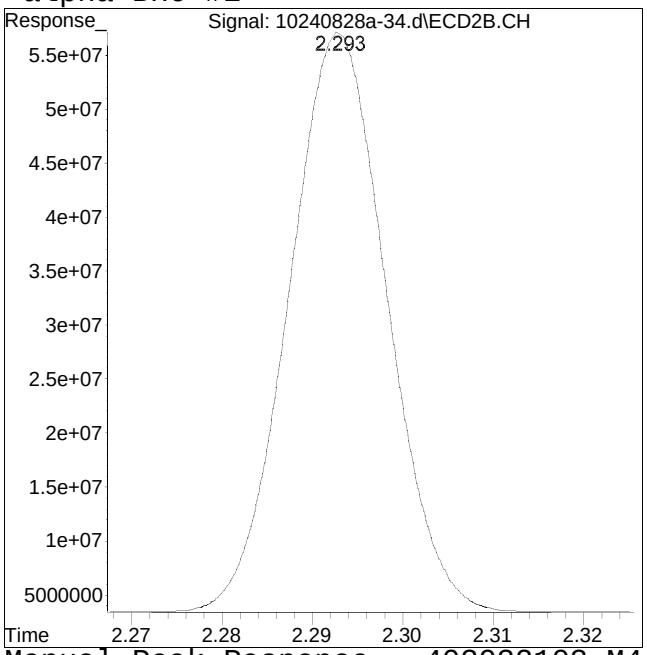
Original Peak Response = 1875495657 Manual Peak Response = 1847100574 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #42: alpha-BHC #2



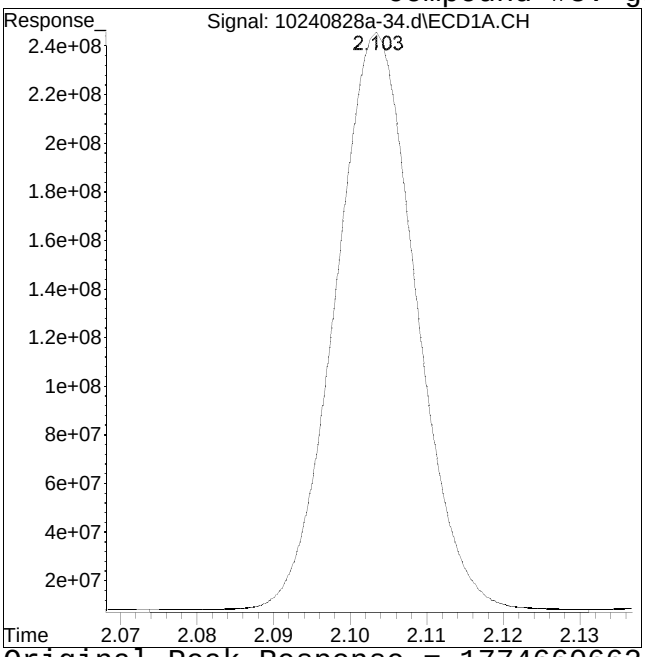


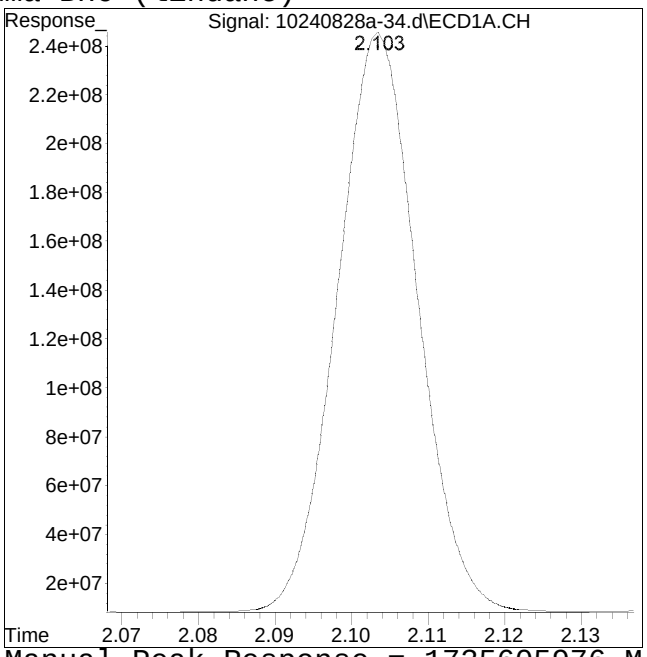
Original Peak Response = 415015813 Manual Peak Response = 403932103 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #5: gamma-BHC (lindane)



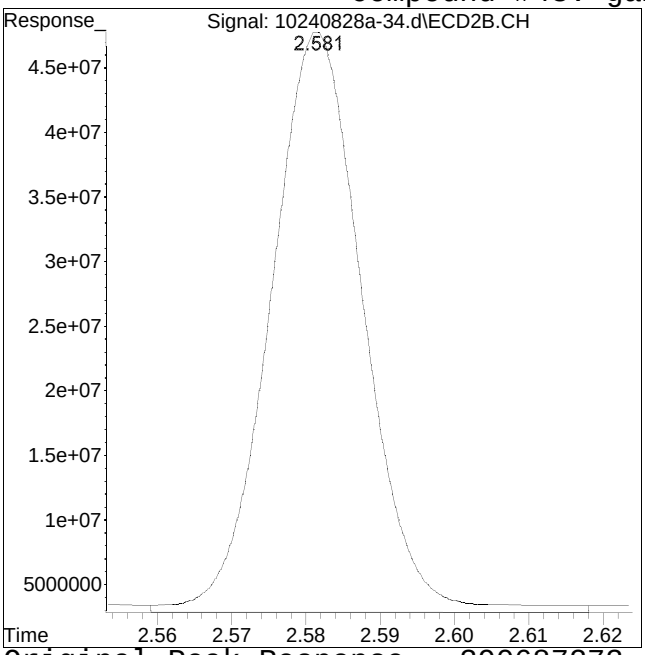


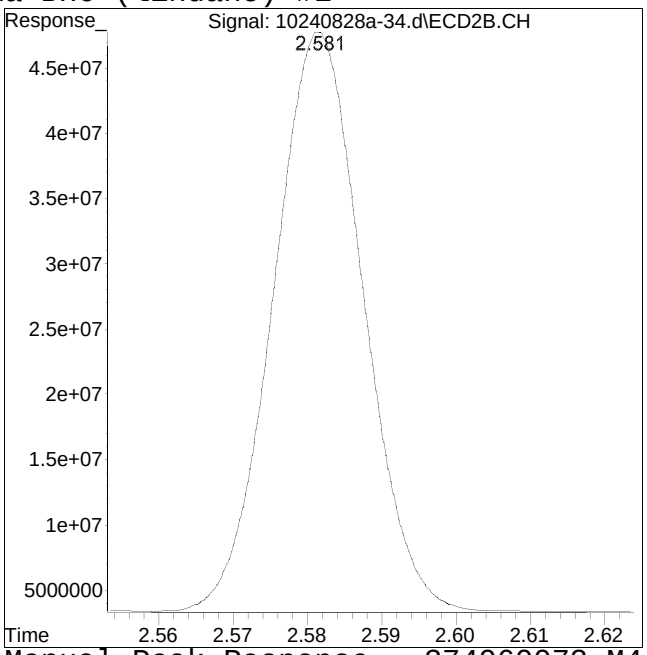
Original Peak Response = 1774660662 Manual Peak Response = 1735605976 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #43: gamma-BHC (lindane) #2



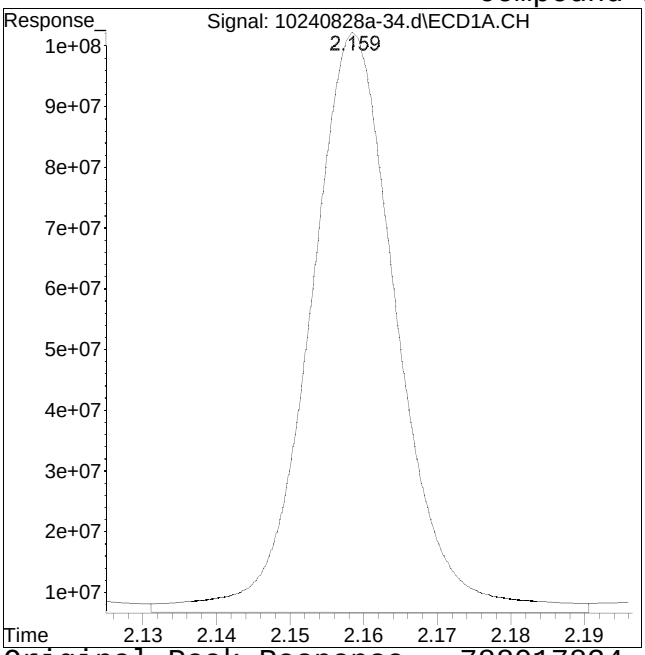


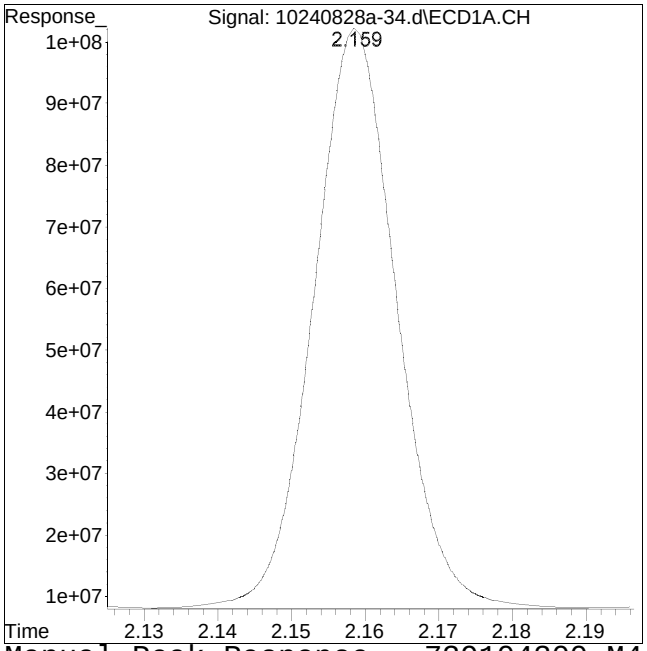
Original Peak Response = 390687273 Manual Peak Response = 374960073 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #6: beta-BHC



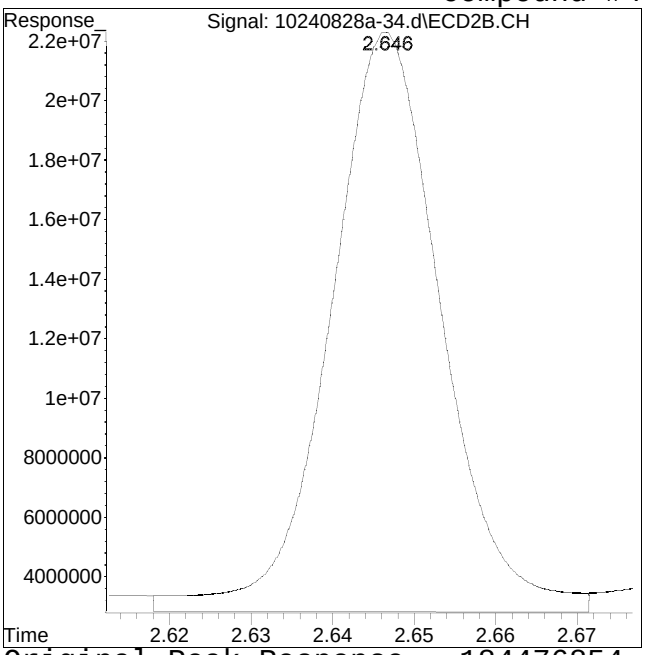


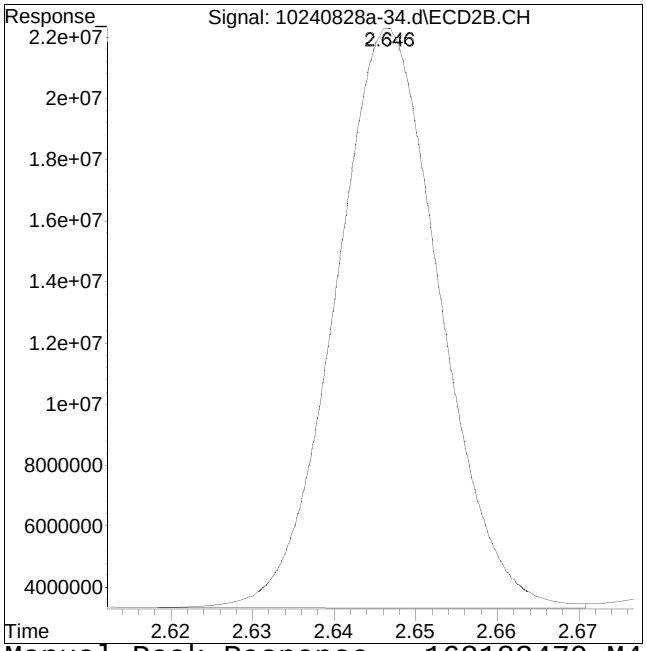
Original Peak Response = 788017834 Manual Peak Response = 739104300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #44: beta-BHC #2



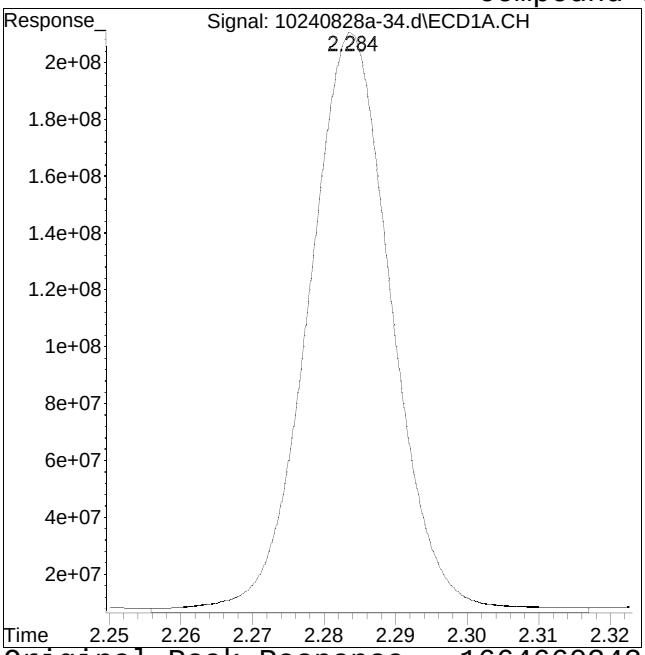


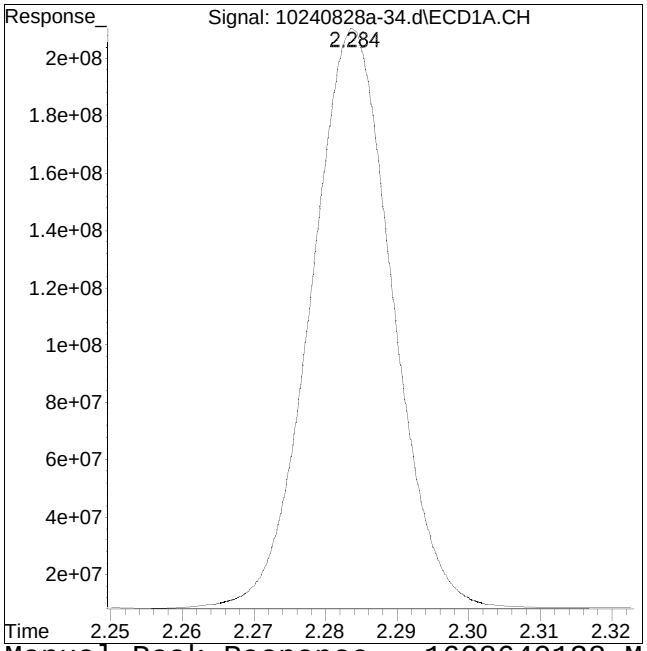
Original Peak Response = 184476854 Manual Peak Response = 168183470 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #7: delta-BHC



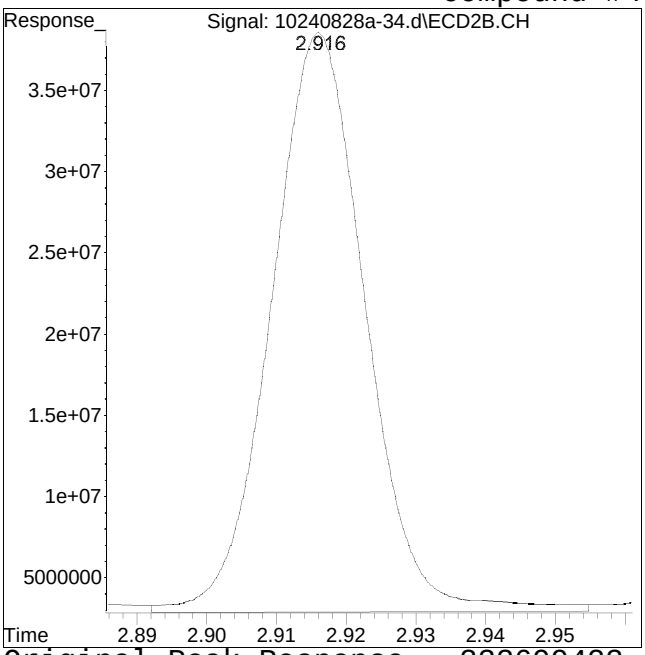


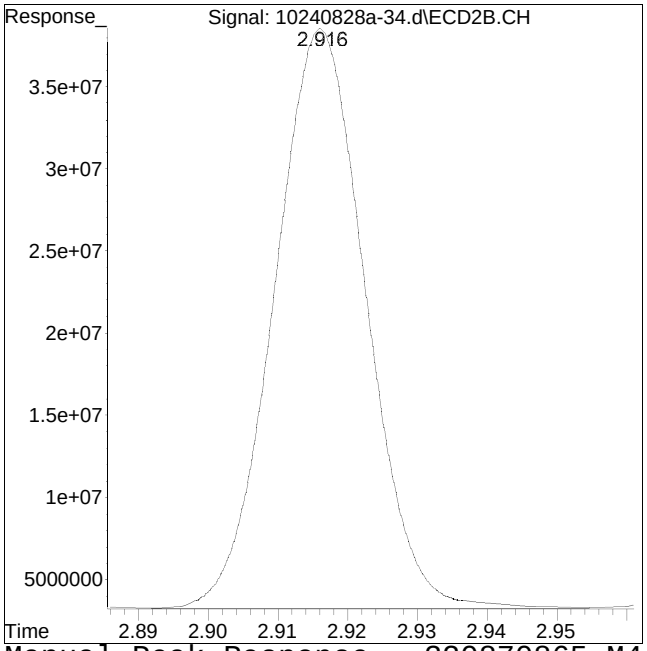
Original Peak Response = 1664660242 Manual Peak Response = 1608640138 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #45: delta-BHC #2



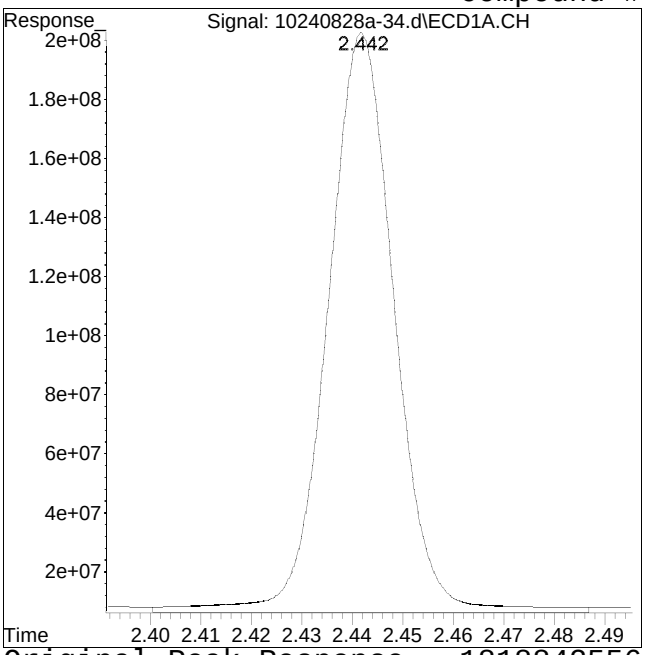


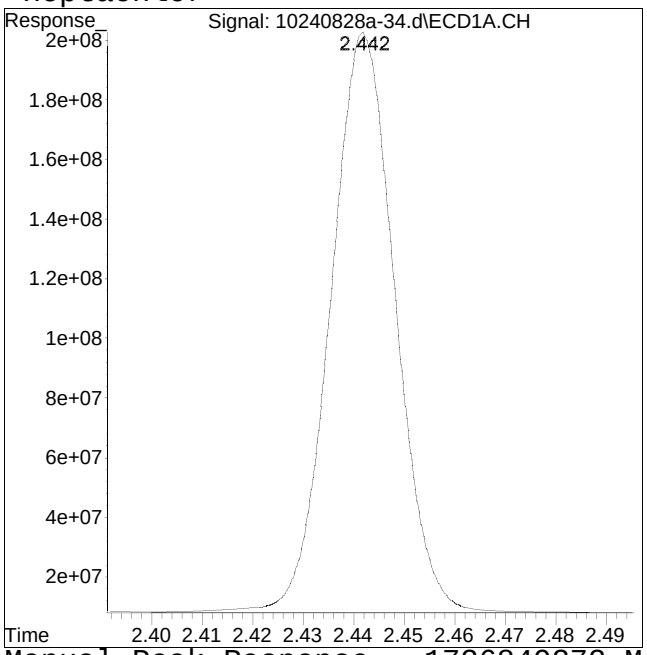
Original Peak Response = 333699423 Manual Peak Response = 320870865 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #8: Heptachlor



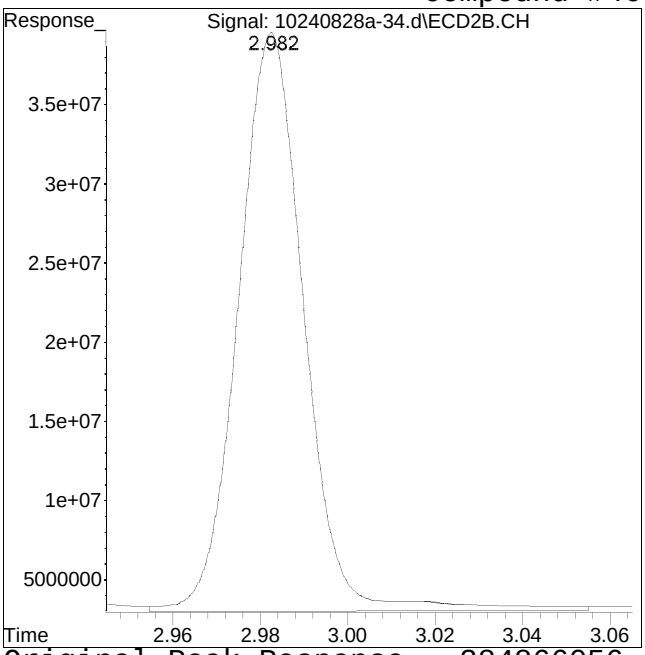


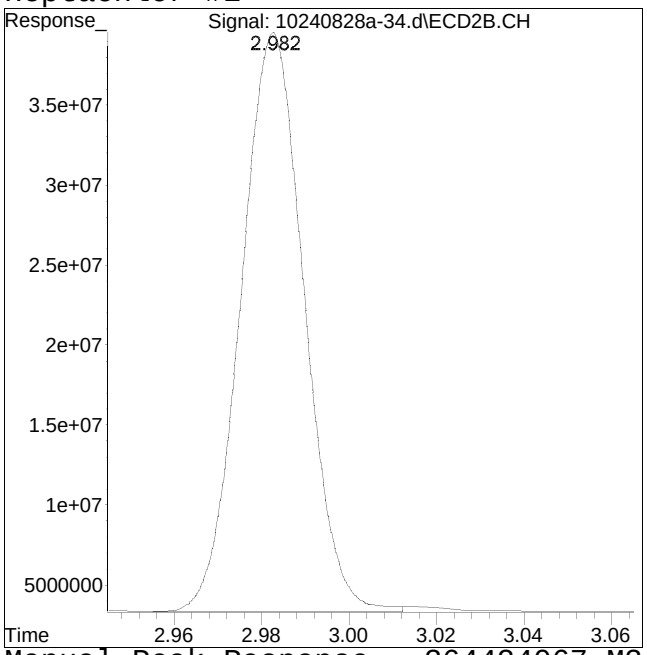
Original Peak Response = 1818842556 Manual Peak Response = 1726849272 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #46: Heptachlor #2



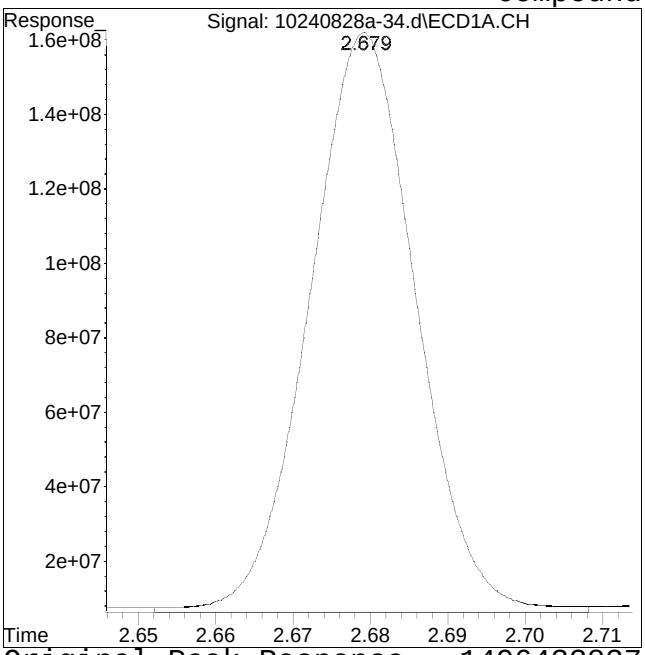


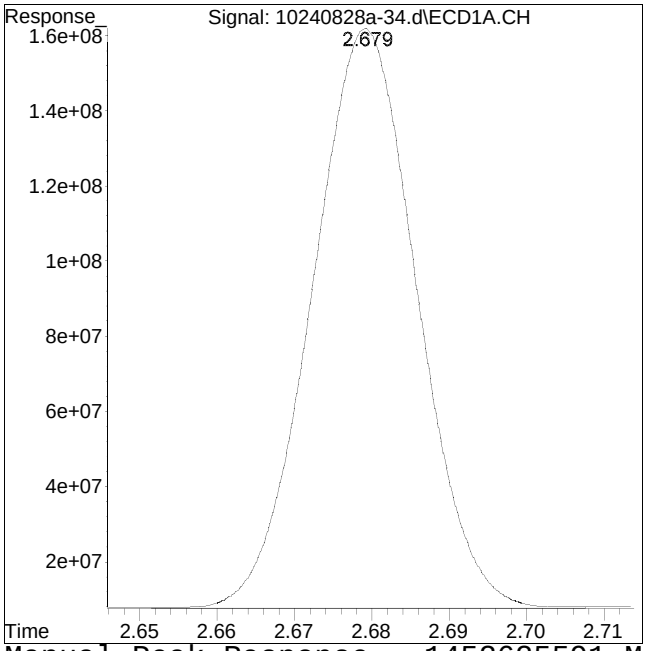
Original Peak Response = 384866056 Manual Peak Response = 364424067 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #9: Aldrin



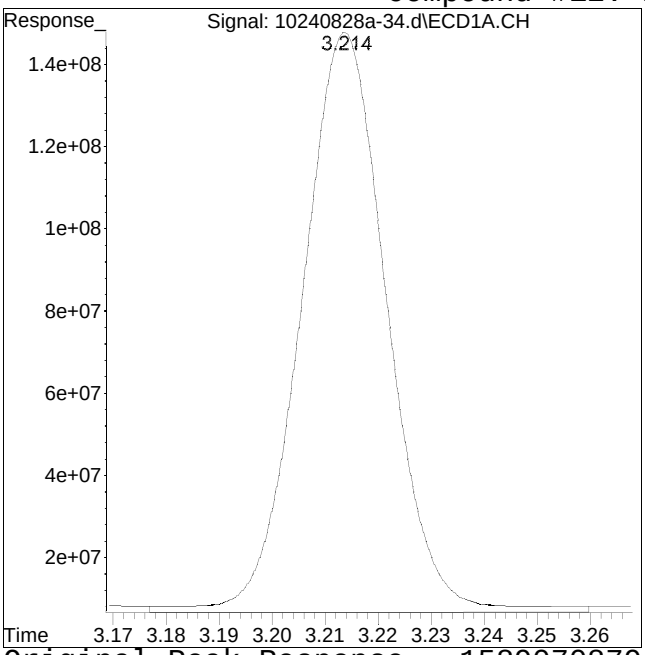


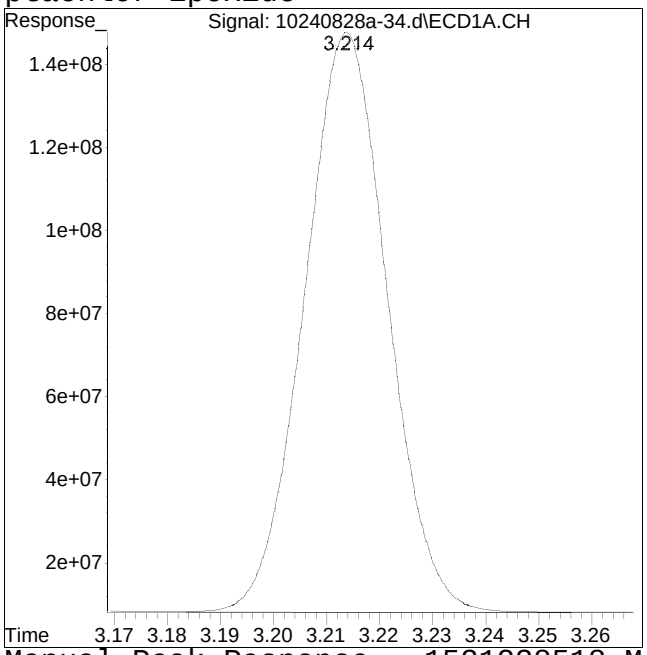
Original Peak Response = 1496433837 Manual Peak Response = 1452625591 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #12: Heptachlor Epoxide



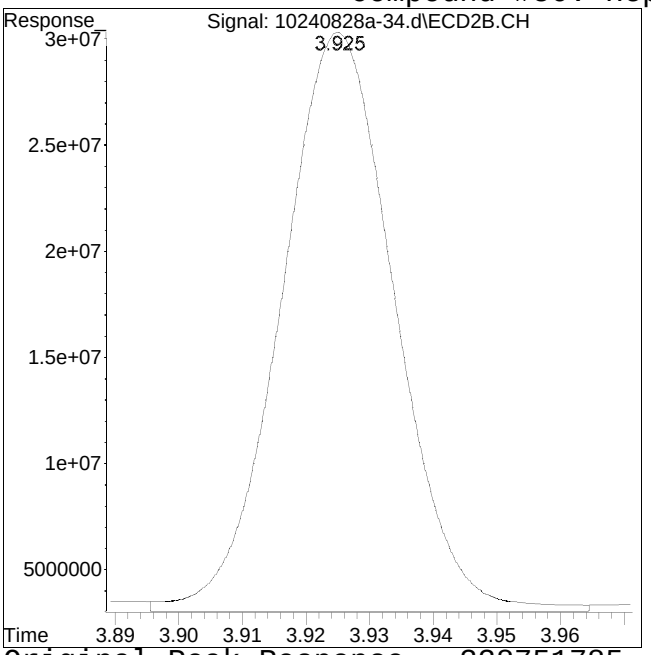


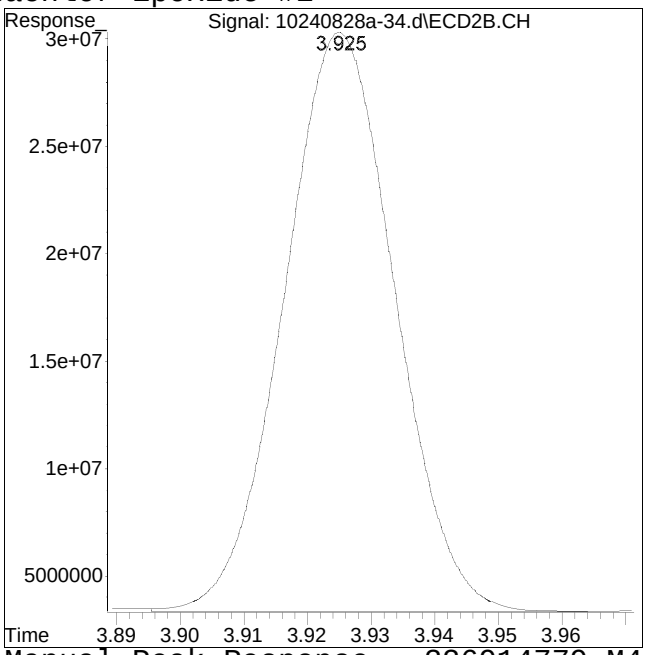
Original Peak Response = 1589070879 Manual Peak Response = 1521238518 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #50: Heptachlor Epoxide #2



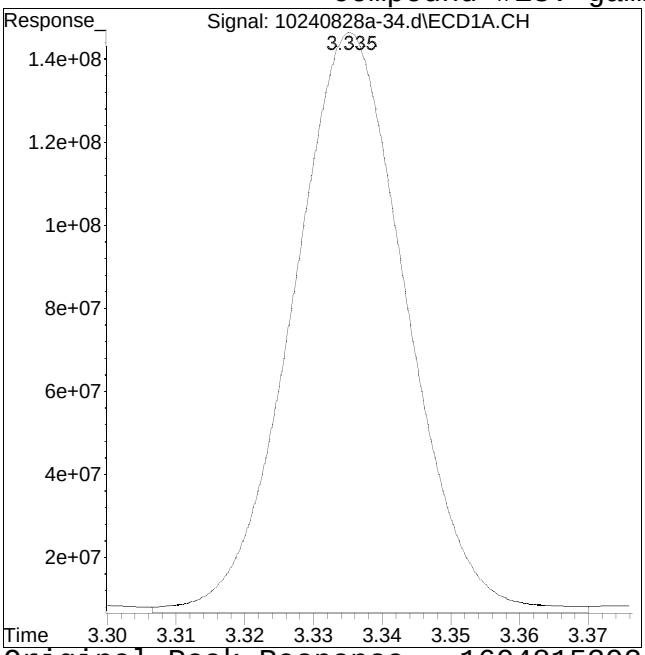


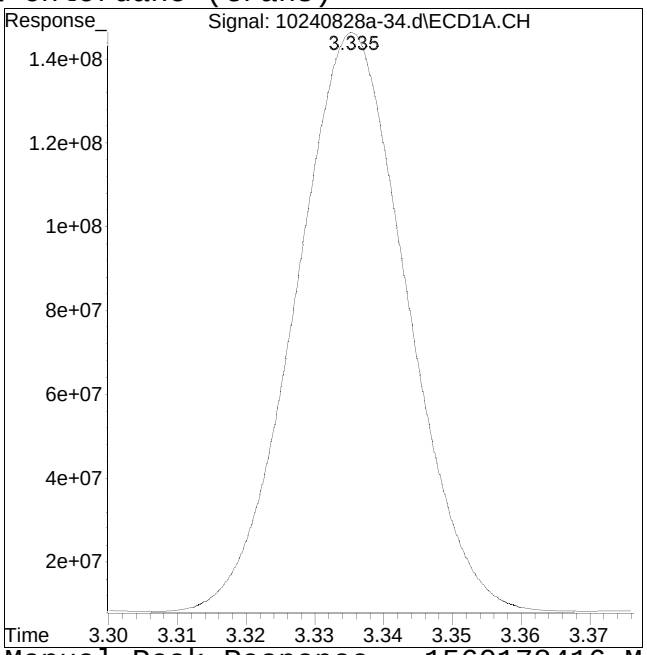
Original Peak Response = 338751785 Manual Peak Response = 326914779 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #13: gamma-Chlordane (trans)



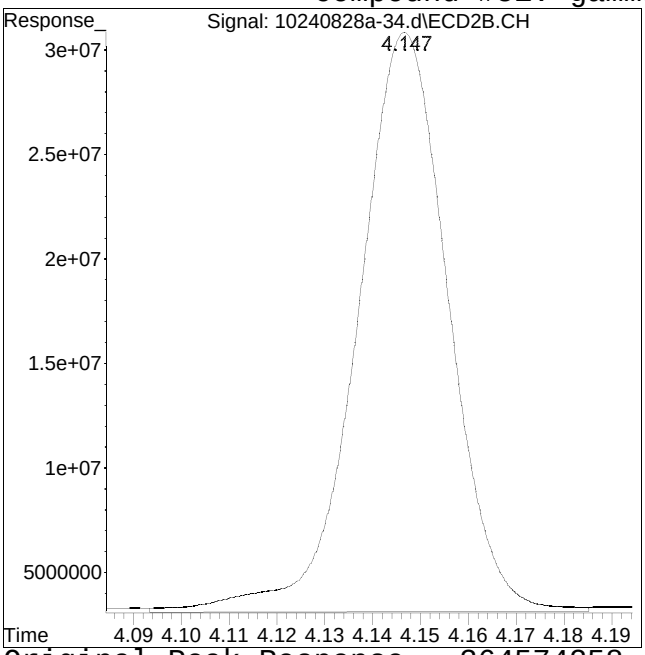


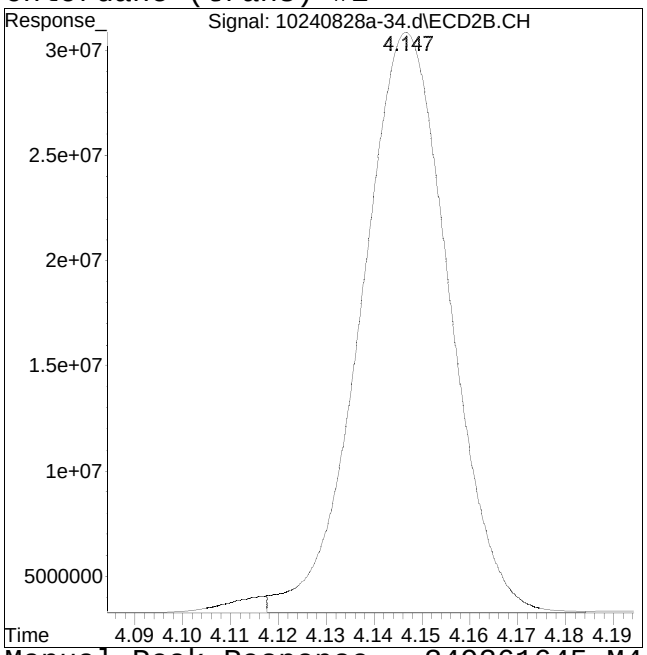
Original Peak Response = 1604815392 Manual Peak Response = 1560178416 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #51: gamma-Chlordane (trans) #2



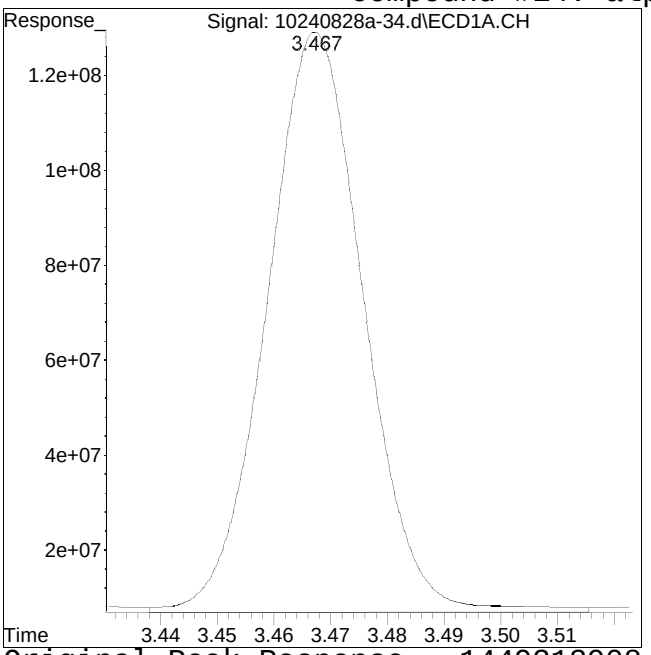


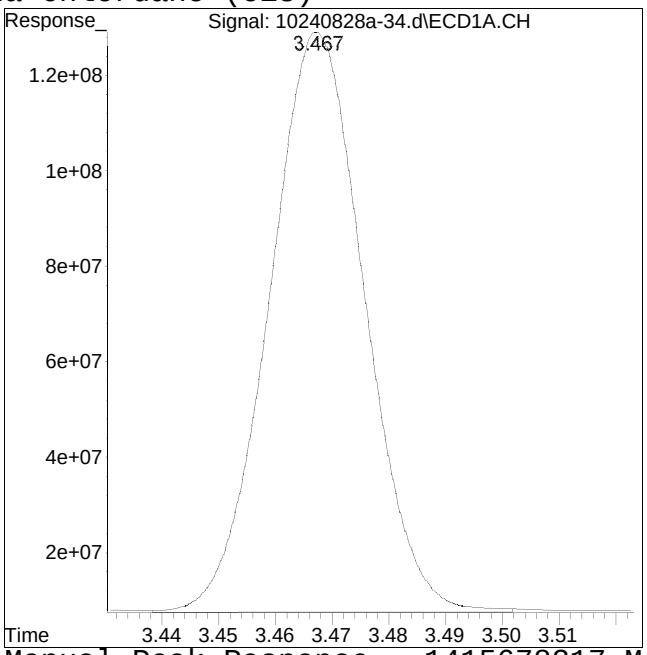
Original Peak Response = 364574258 Manual Peak Response = 349361645 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #14: alpha-Chlordane (cis)



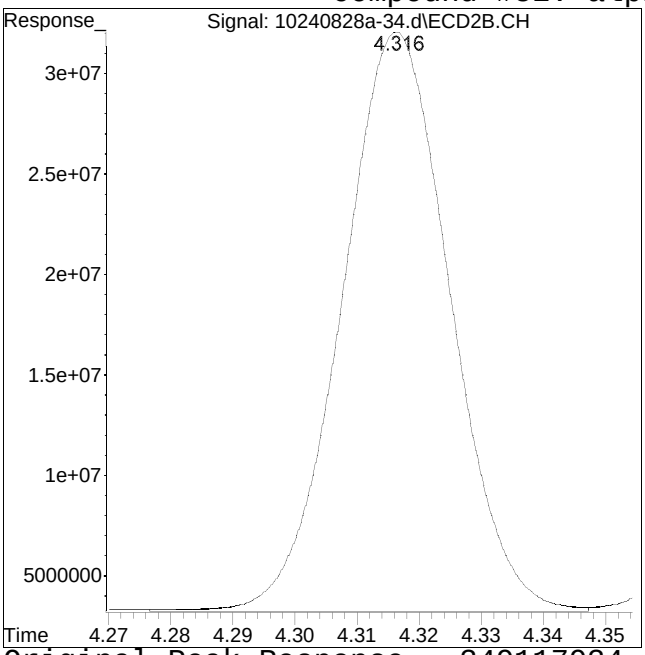


Original Peak Response = 1449313908 Manual Peak Response = 1415678217 M4
M4 = Poor automated baseline construction.

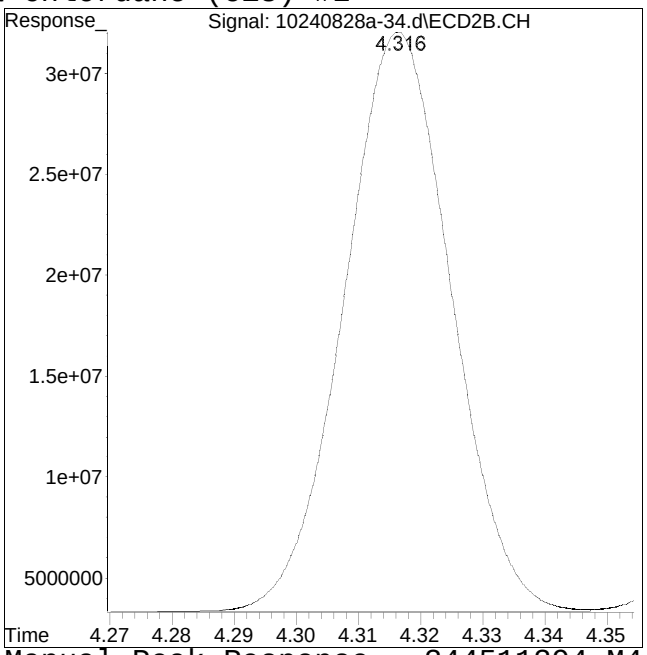
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 349117934



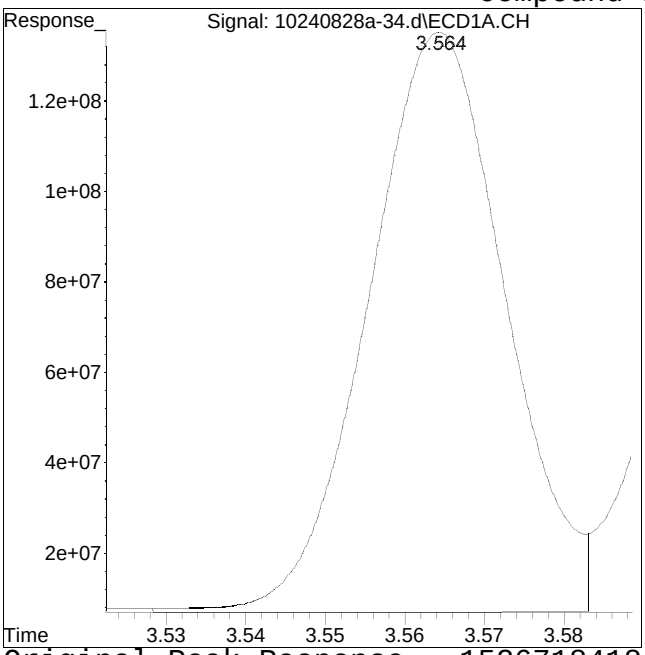
Manual Peak Response = 344511394 M4

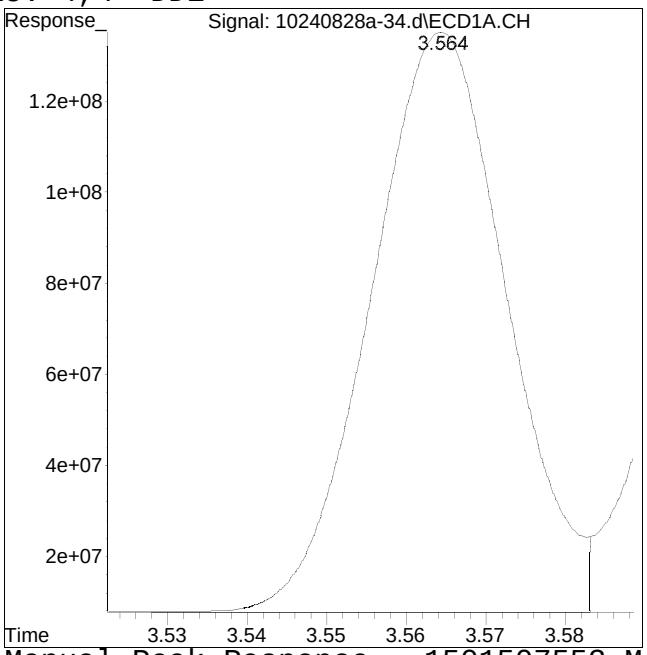
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #15: 4,4'-DDE



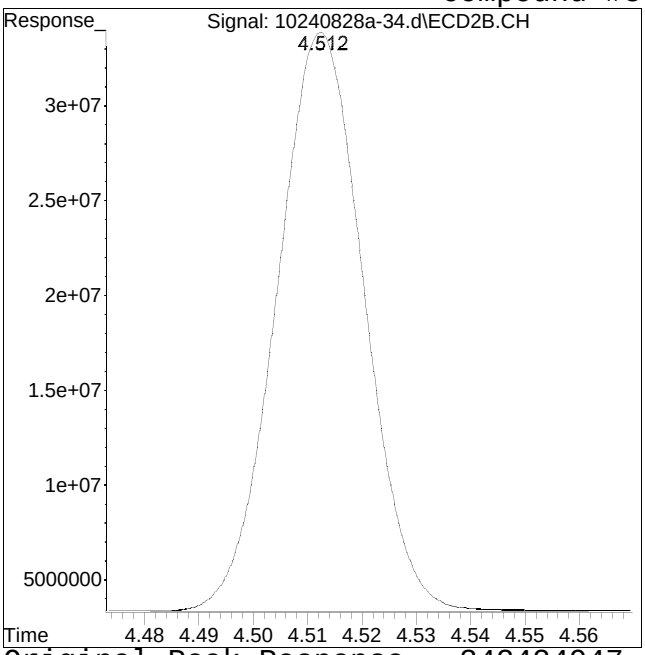


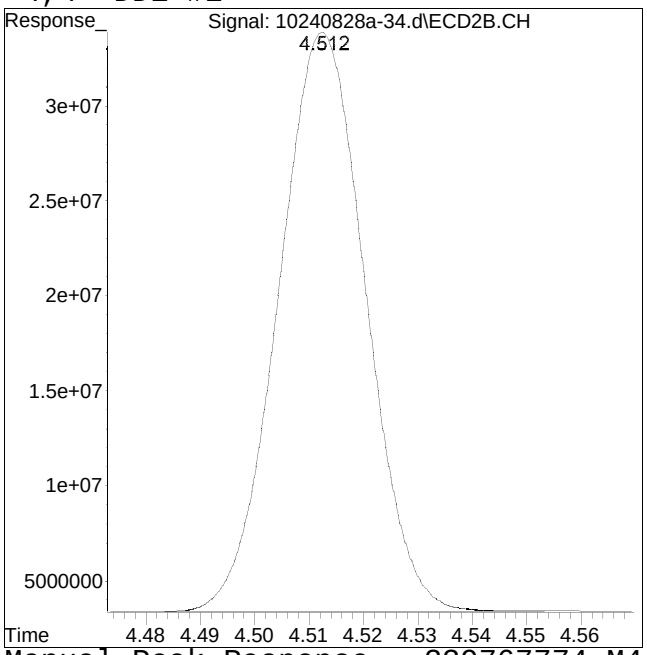
Original Peak Response = 1526718418 Manual Peak Response = 1501507553 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #53: 4,4'-DDE #2



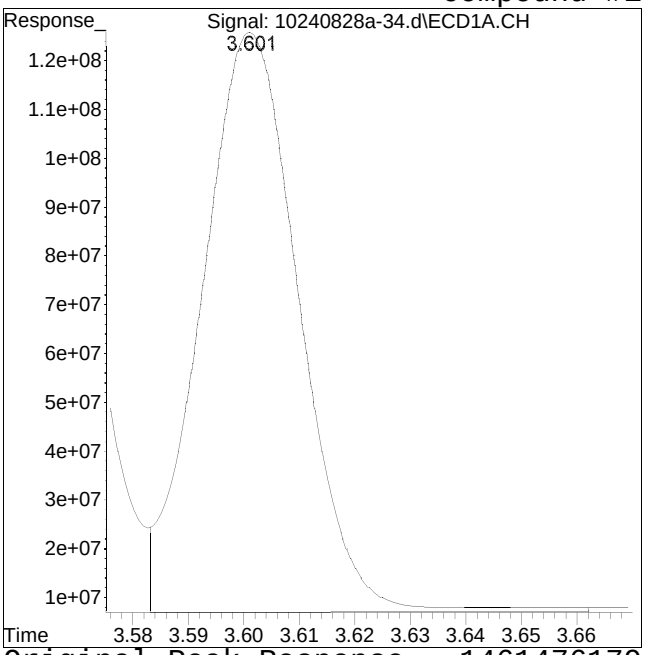


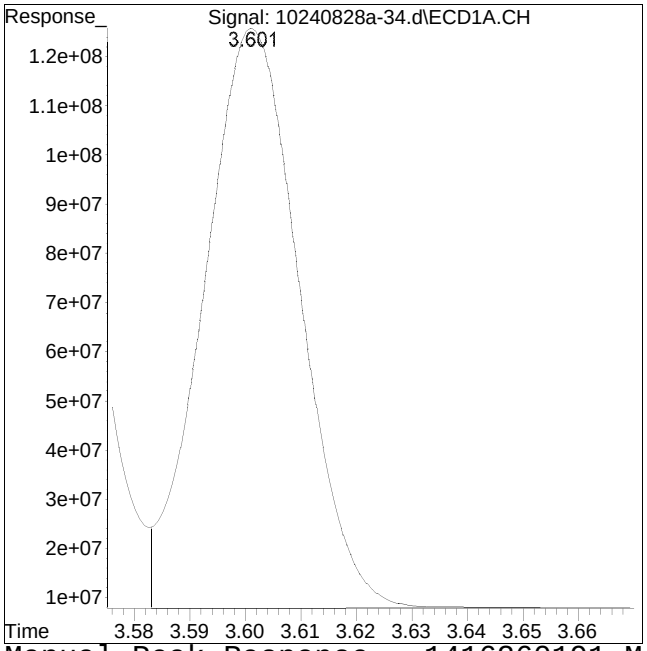
Original Peak Response = 342424947 Manual Peak Response = 339767774 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #16: Endosulfan I



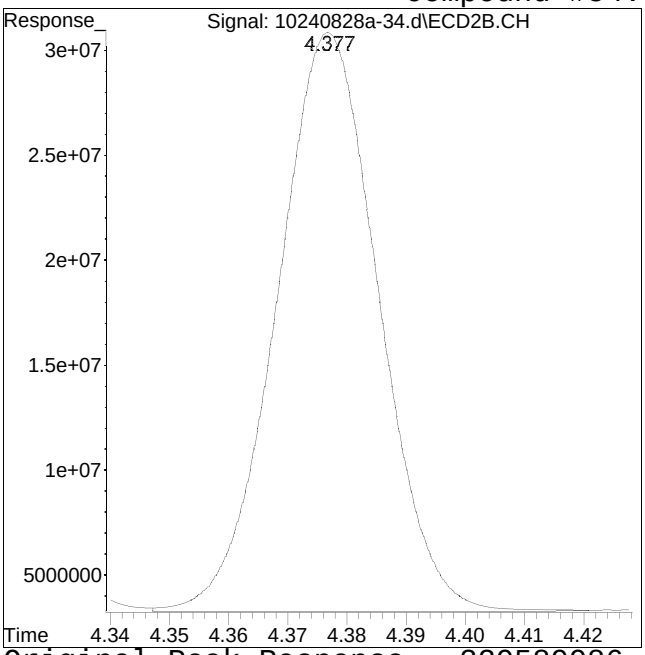


Original Peak Response = 1461476179 Manual Peak Response = 1416260191 M4
M4 = Poor automated baseline construction.

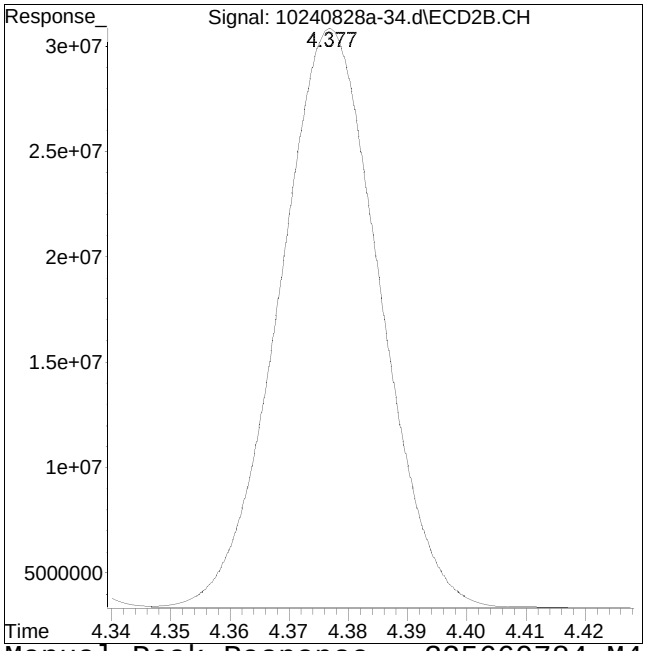
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #54: Endosulfan I #2



Original Peak Response = 329589986

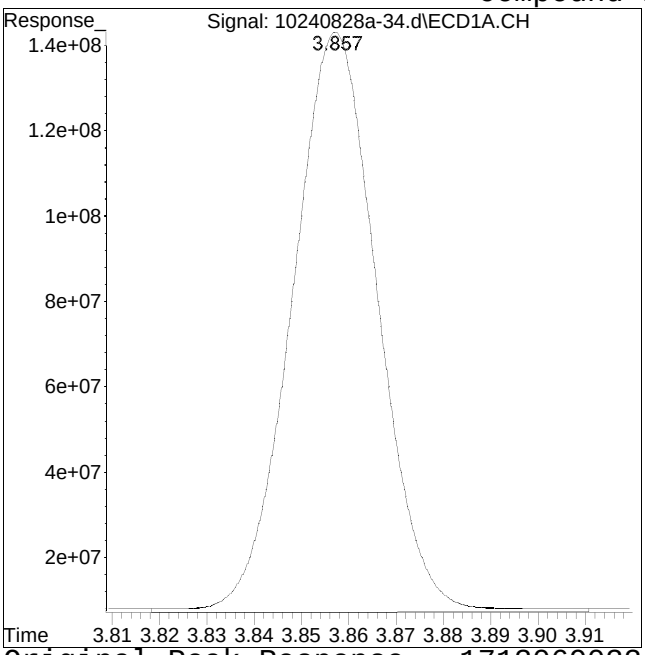


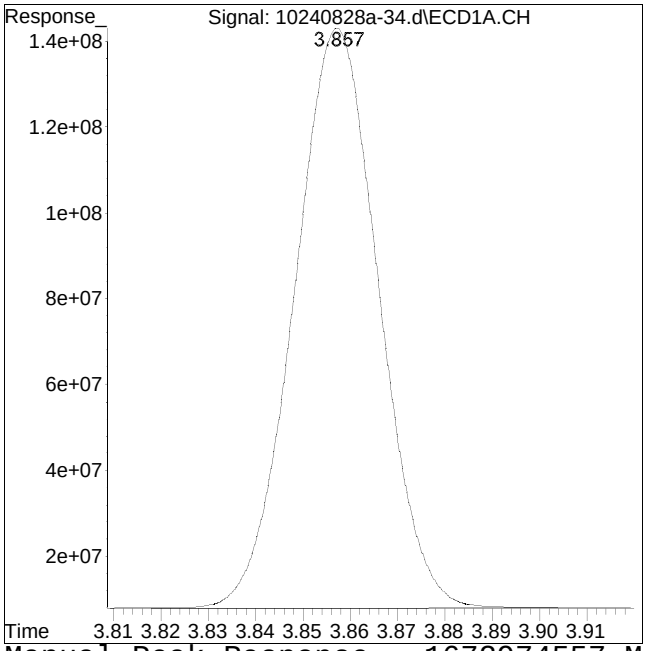
Manual Peak Response = 325660784 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #17: Dieldrin



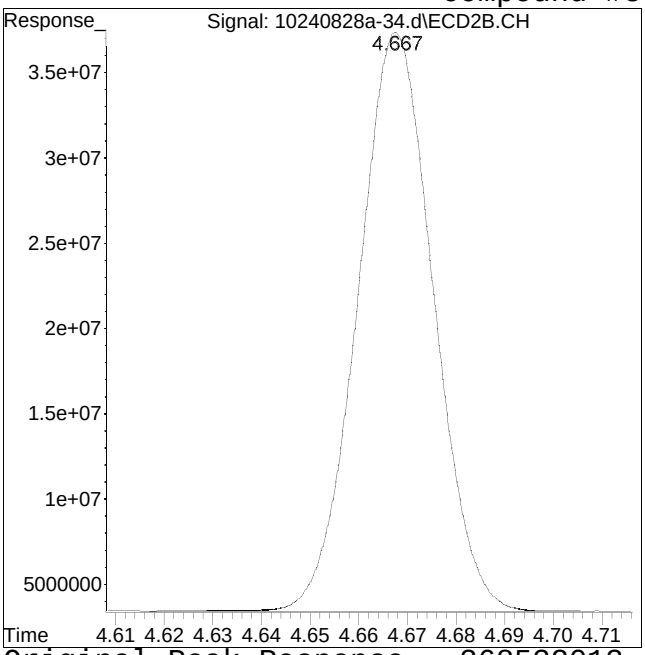


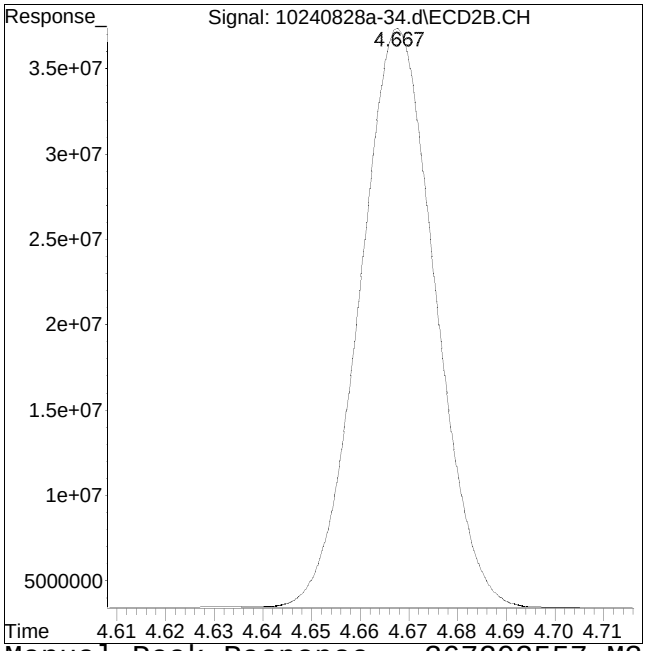
Original Peak Response = 1713069033 Manual Peak Response = 1672974557 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #55: Dieldrin #2



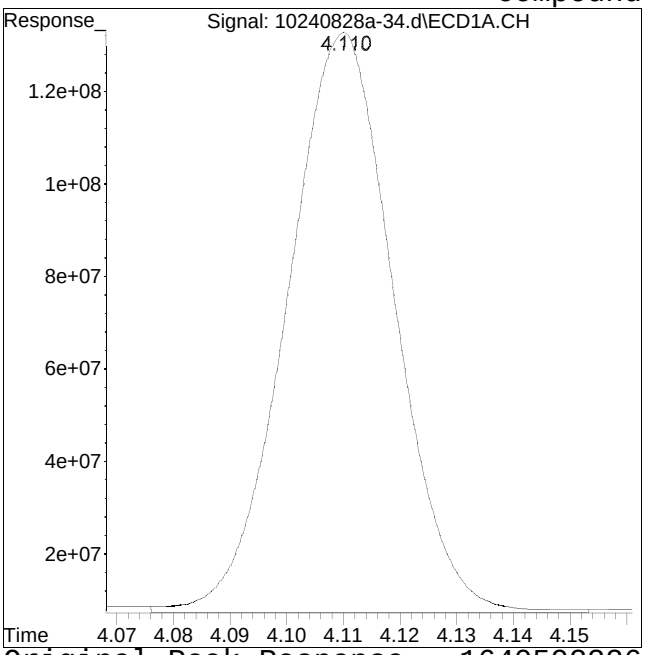


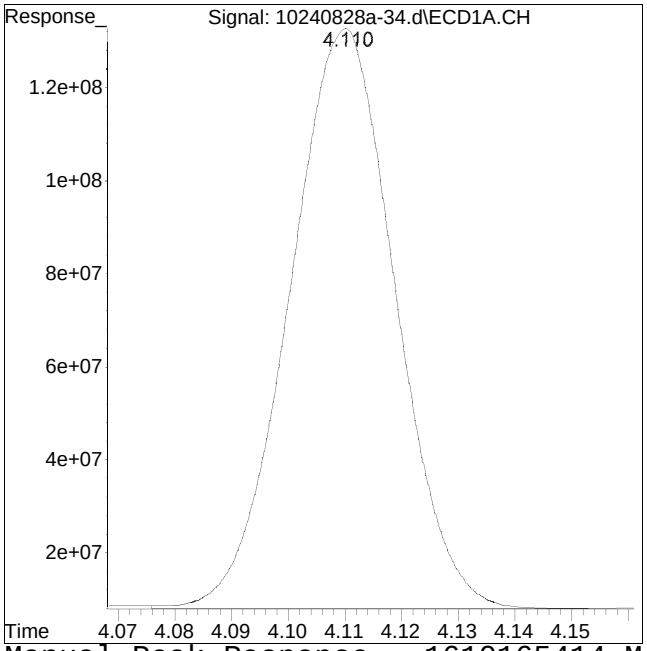
Original Peak Response = 368532013 Manual Peak Response = 367203557 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #18: Endrin



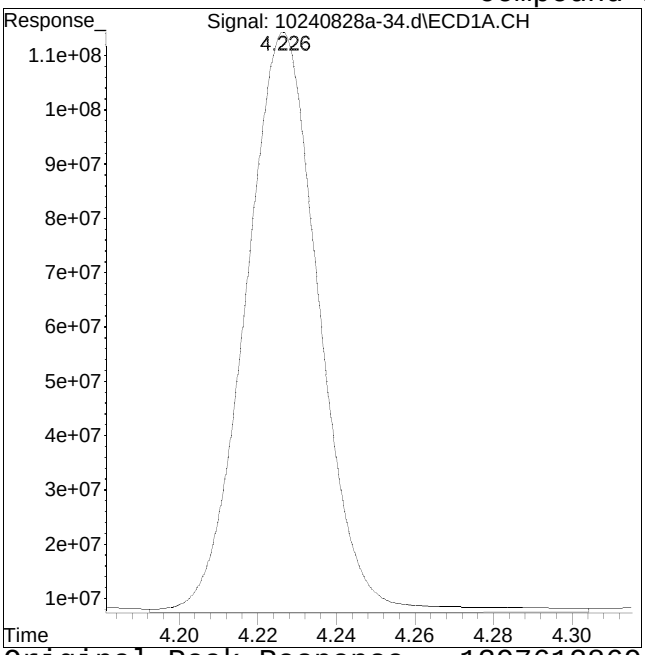


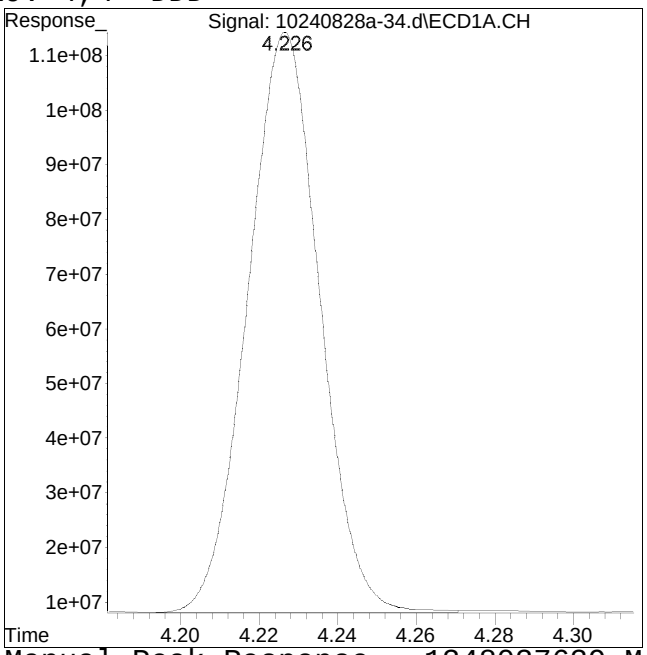
Original Peak Response = 1640592226 Manual Peak Response = 1610165414 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #19: 4,4'-DDD



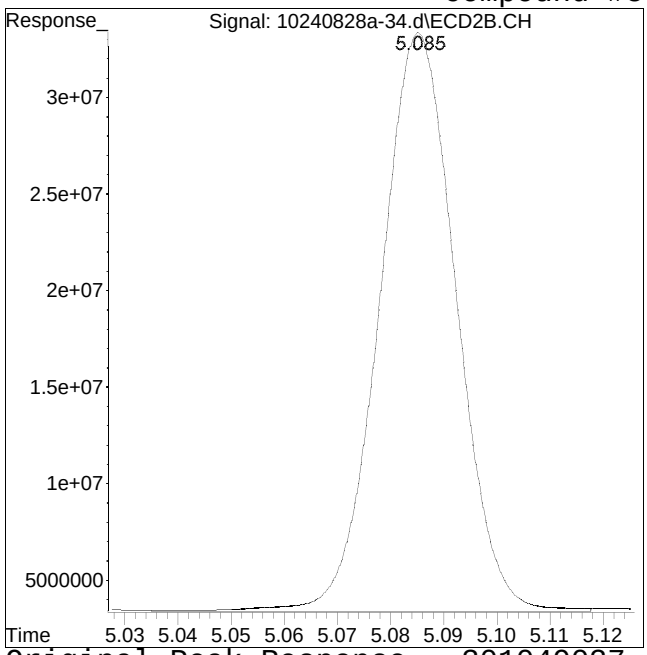


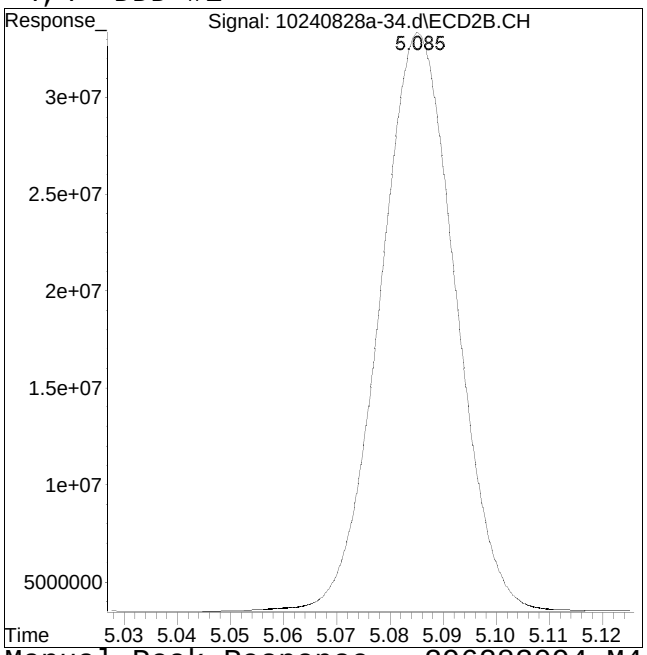
Original Peak Response = 1397612869 Manual Peak Response = 1348037639 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #57: 4,4'-DDD #2



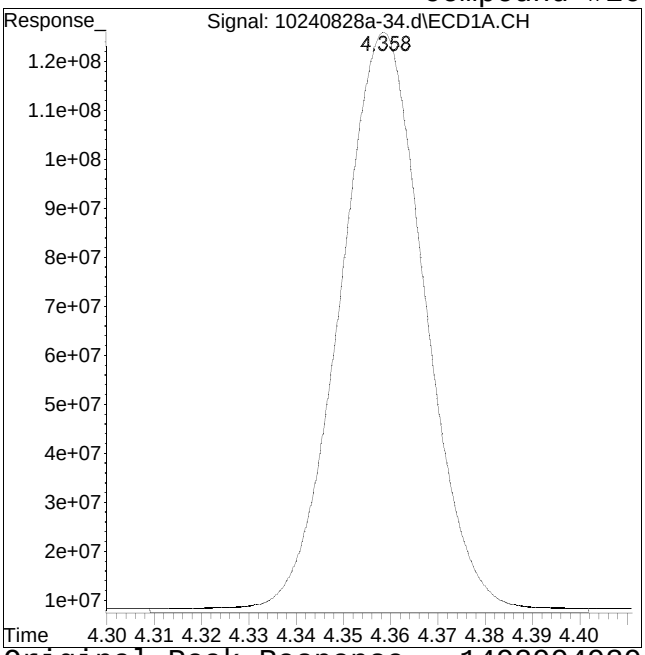


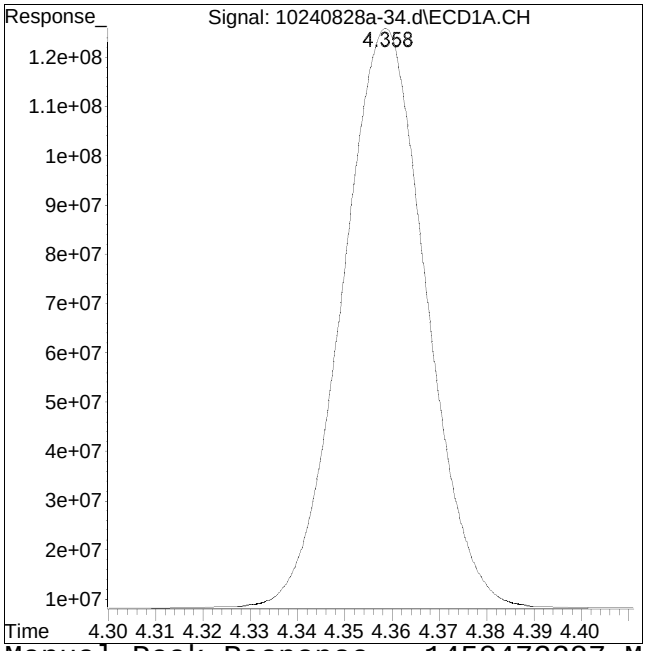
Original Peak Response = 301049037 Manual Peak Response = 296283094 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #20: Endosulfan II



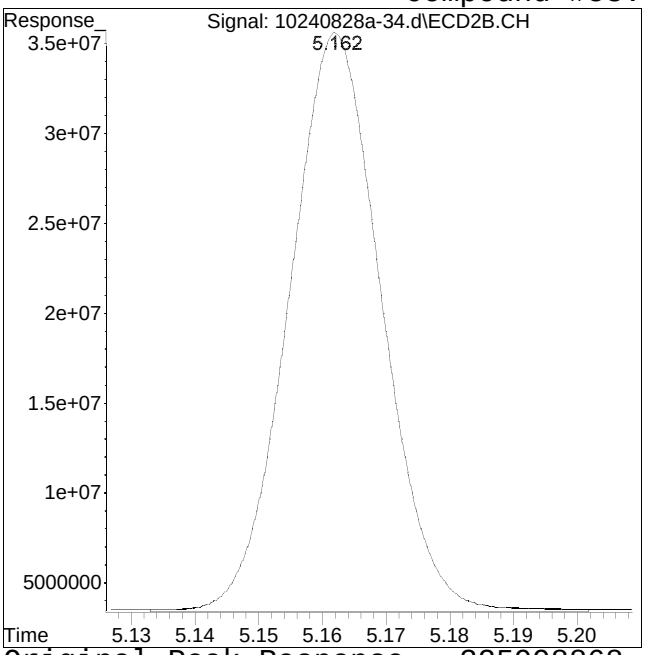


Original Peak Response = 1492994939 Manual Peak Response = 1458472387 M4
M4 = Poor automated baseline construction.

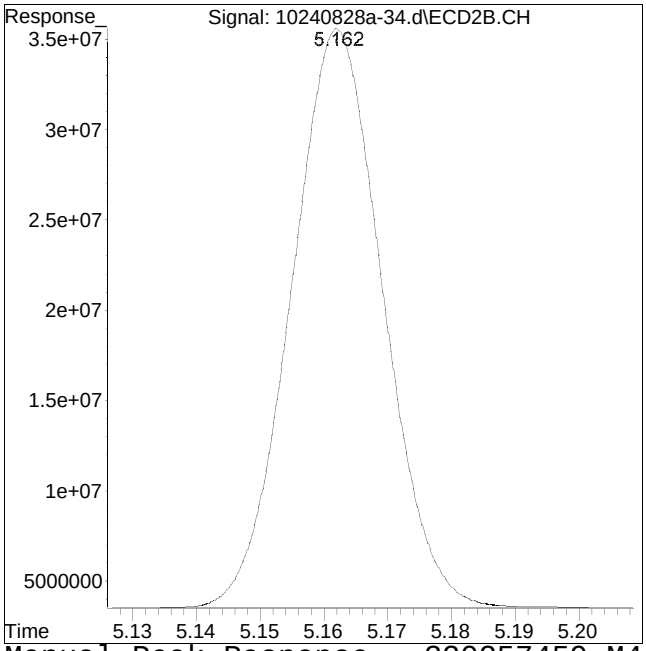
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #58: Endosulfan II #2



Original Peak Response = 325998868



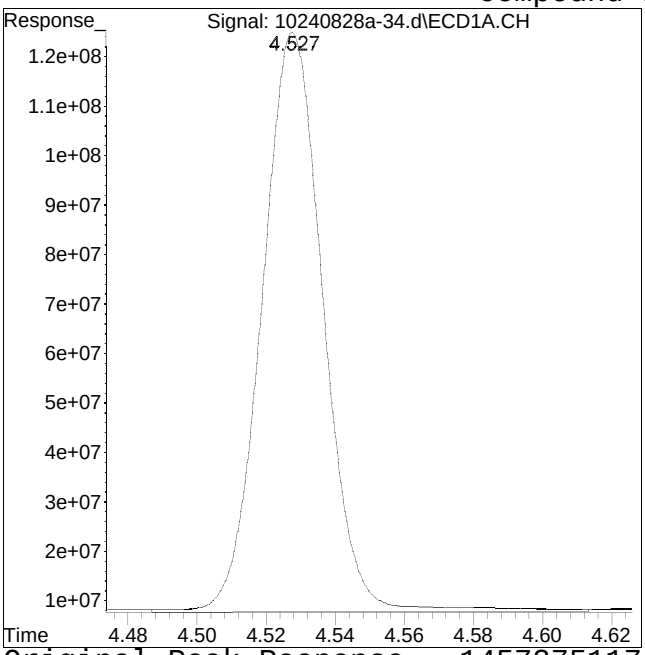
Manual Peak Response = 320257459 M4

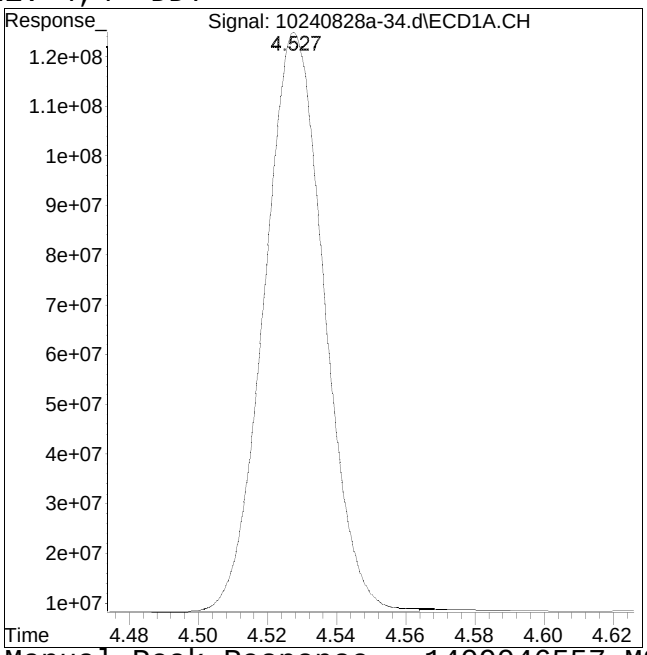
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #21: 4,4'-DDT



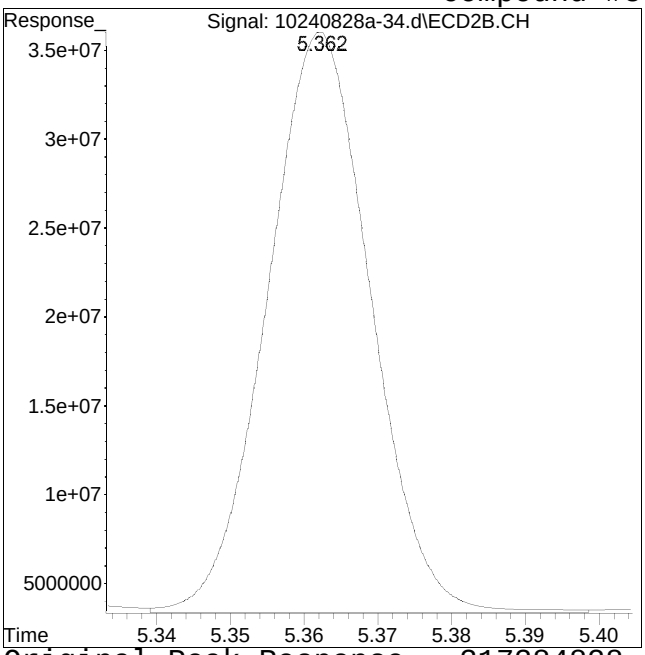


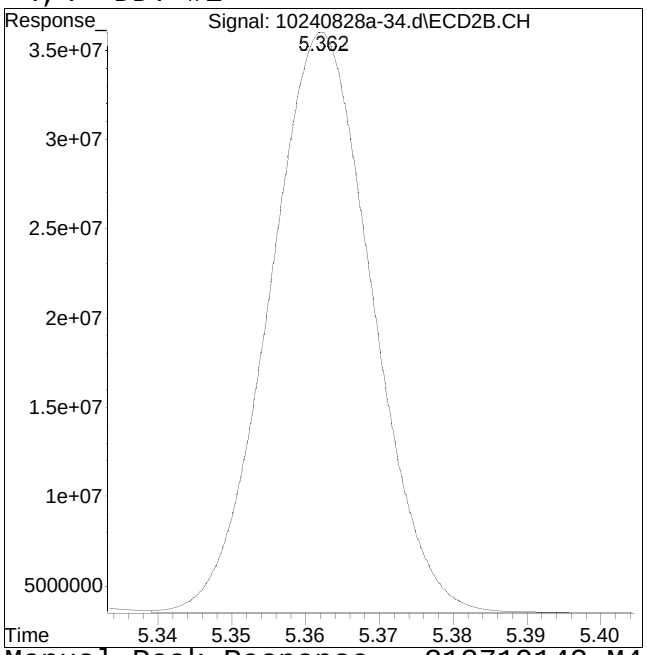
Original Peak Response = 1457275117 Manual Peak Response = 1409046557 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #59: 4,4'-DDT #2



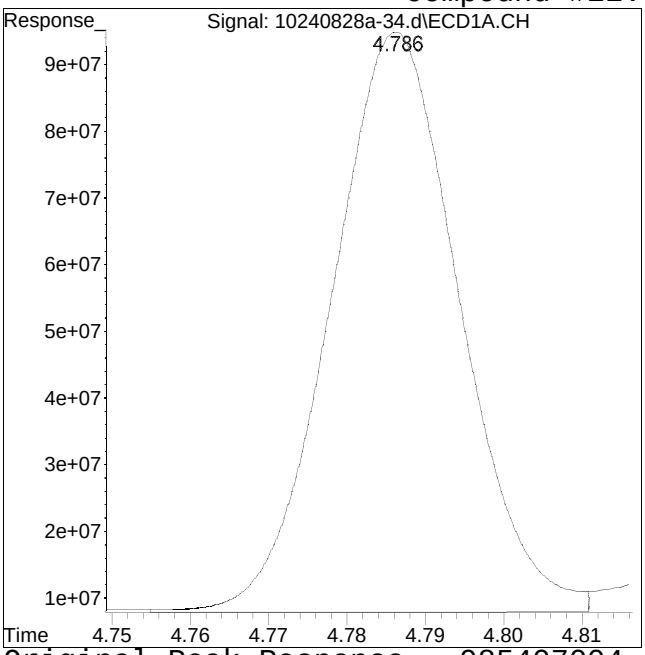


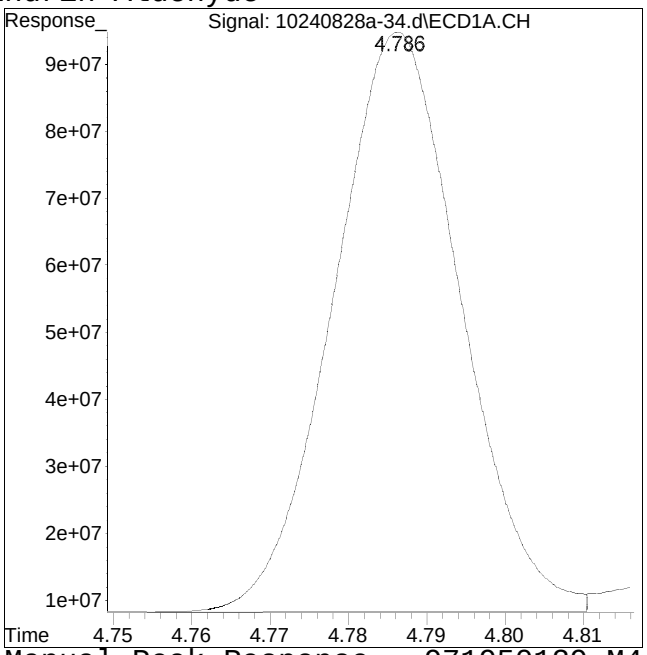
Original Peak Response = 317384828 Manual Peak Response = 312719142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #22: Endrin Aldehyde



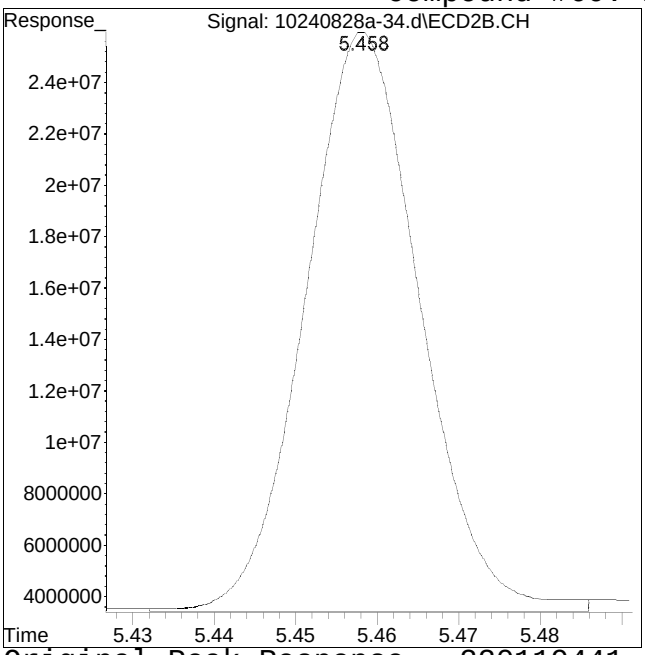


Original Peak Response = 985407004 Manual Peak Response = 971950129 M4
M4 = Poor automated baseline construction.

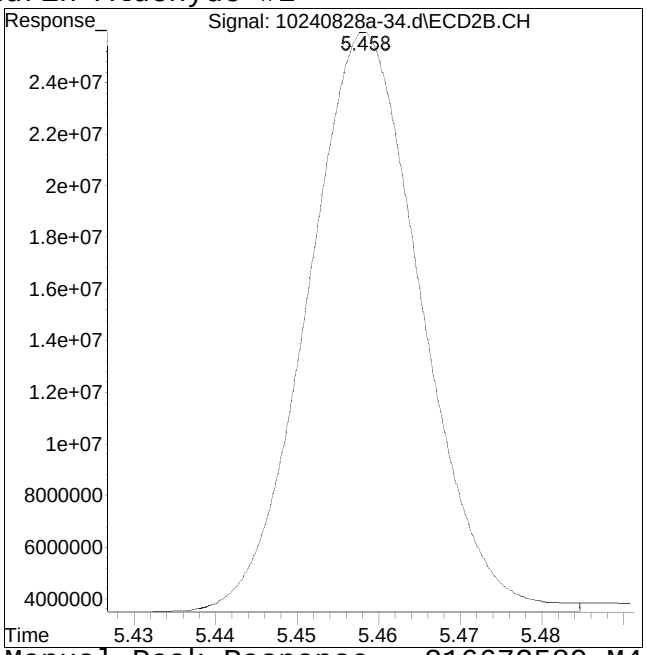
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 220119441



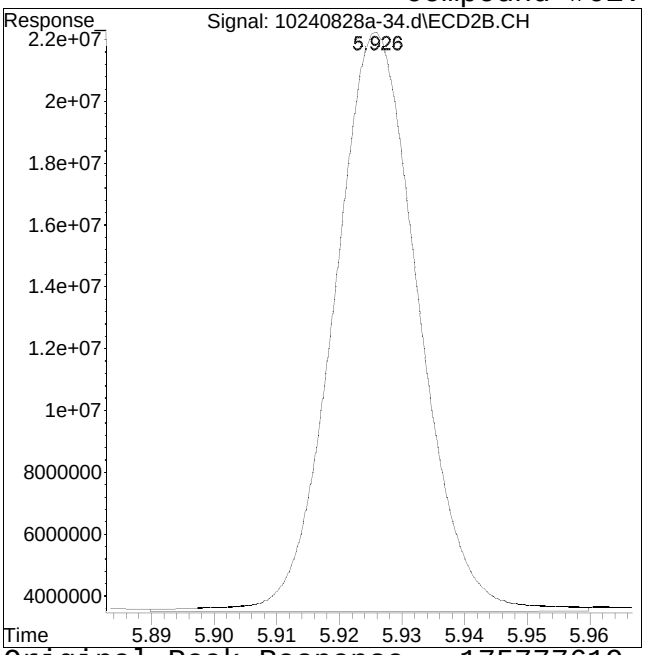
Manual Peak Response = 216672589 M4

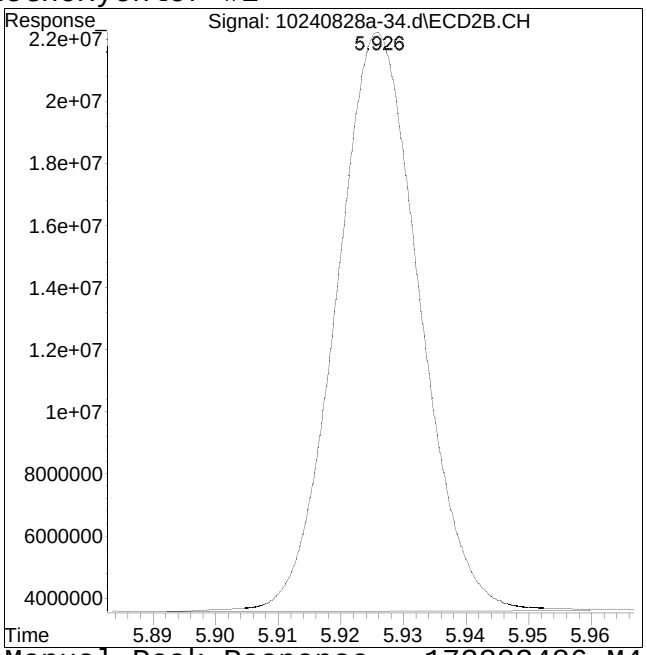
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #61: Methoxychlor #2



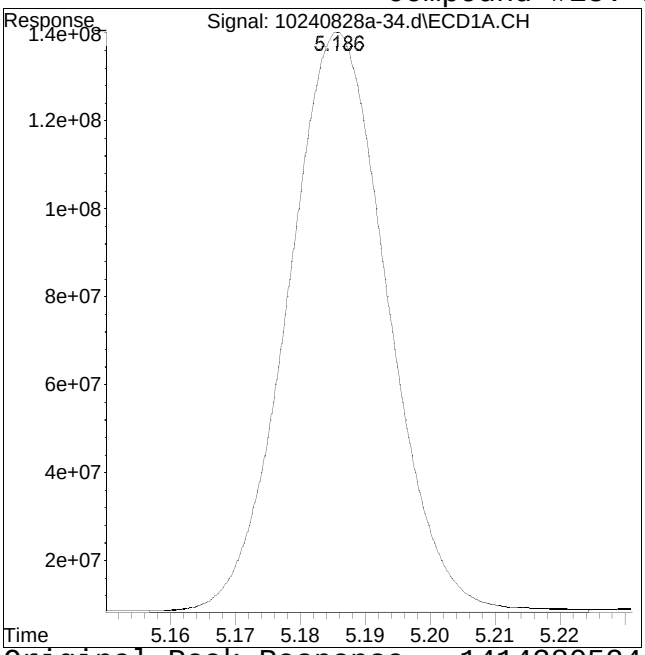


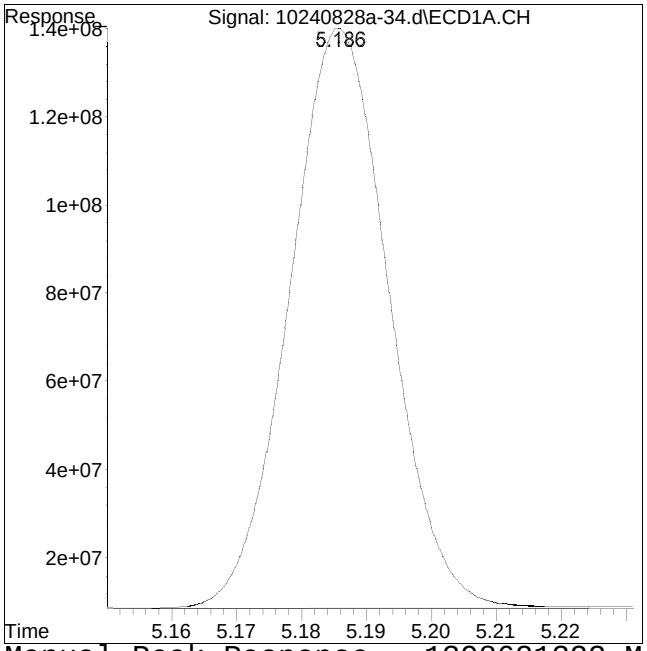
Original Peak Response = 175777619 Manual Peak Response = 172323486 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #25: Endosulfan Sulfate



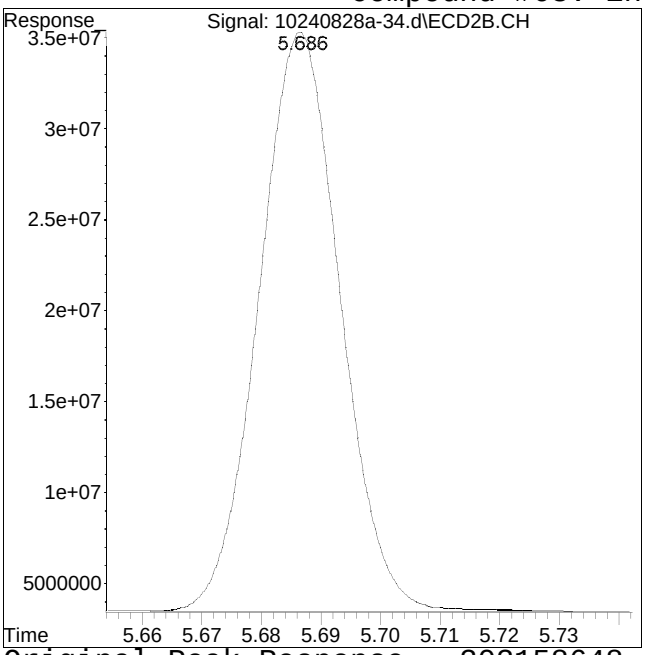


Original Peak Response = 1414380524 Manual Peak Response = 1398621323 M4
M4 = Poor automated baseline construction.

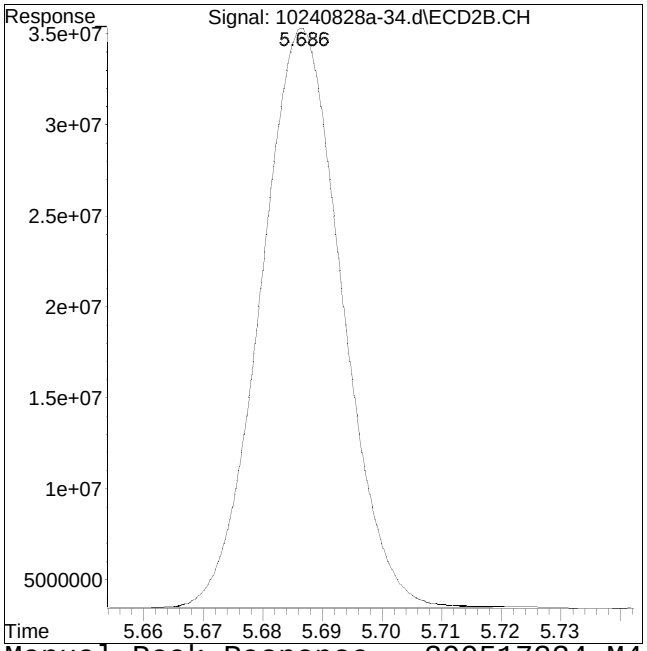
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 303158648

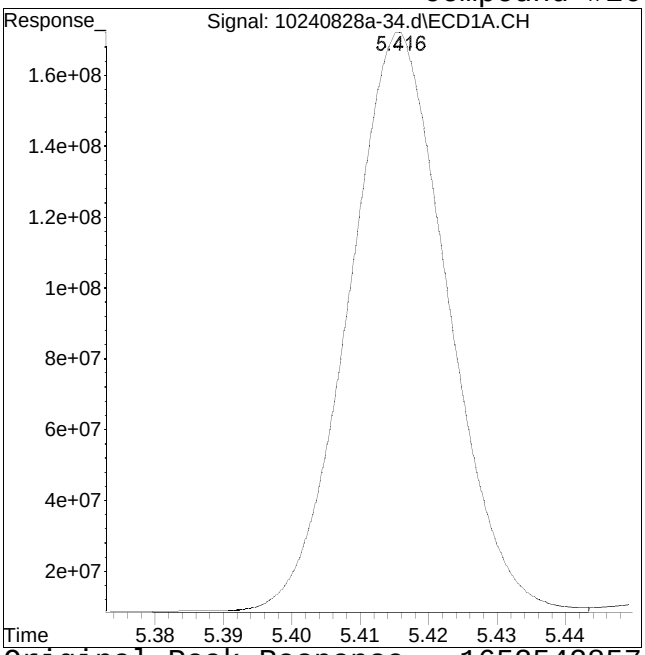


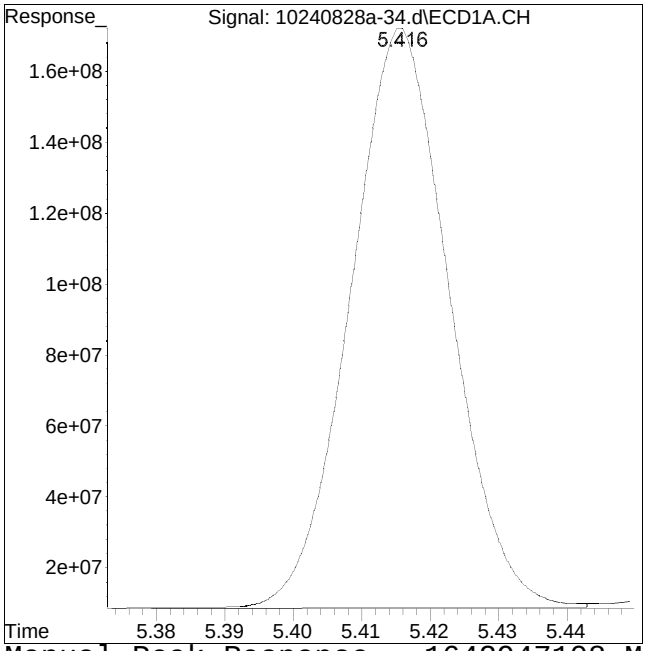
Manual Peak Response = 300517334 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #26: Endrin Ketone



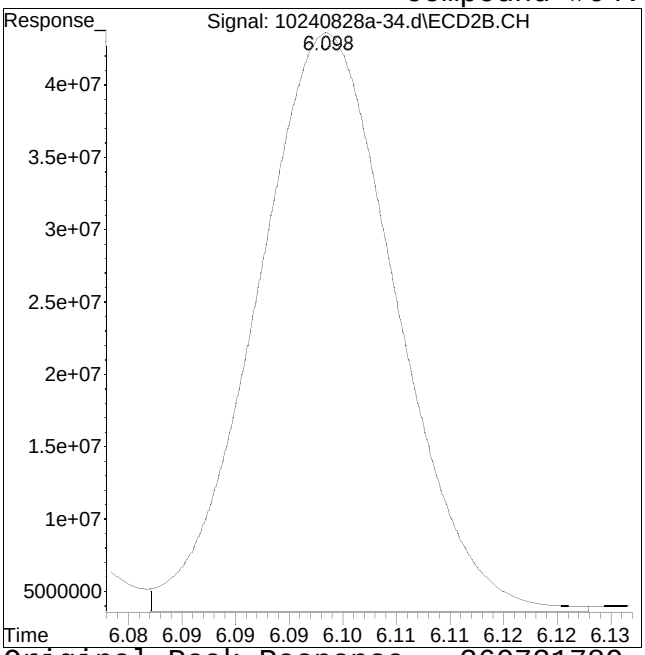


Original Peak Response = 1652542857 Manual Peak Response = 1642947108 M4
M4 = Poor automated baseline construction.

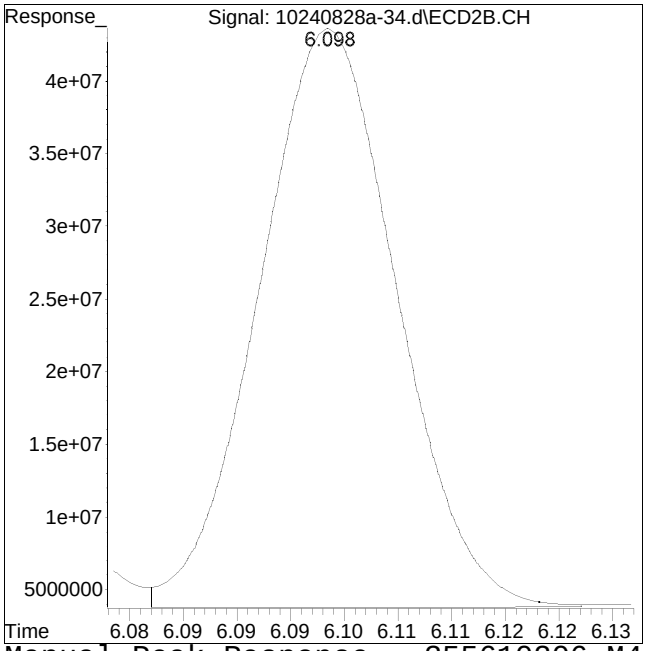
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 360731789



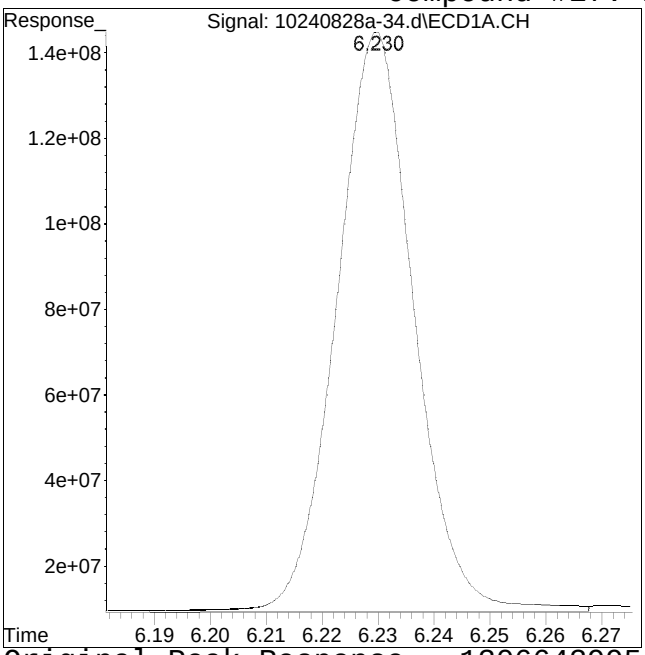
Manual Peak Response = 355610206 M4

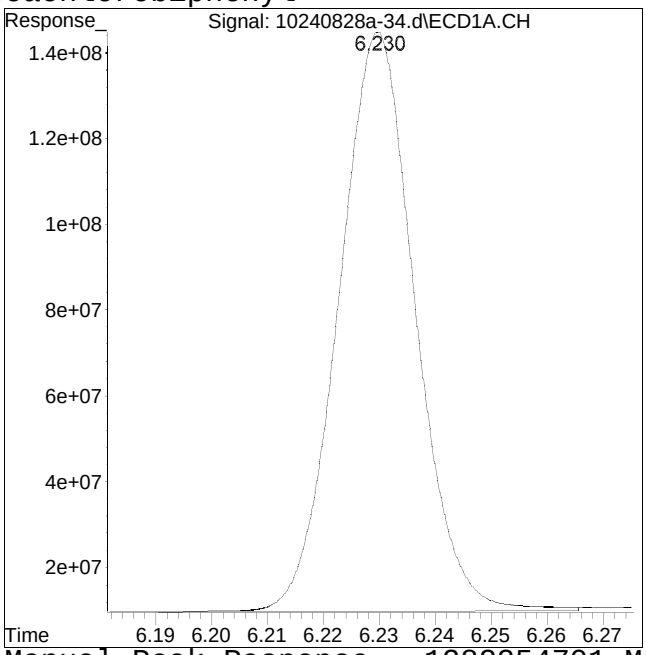
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #27: Decachlorobiphenyl



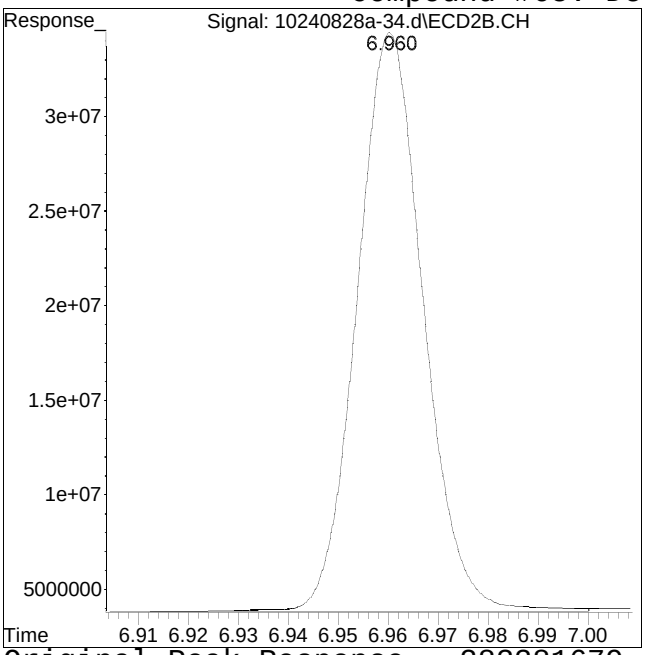


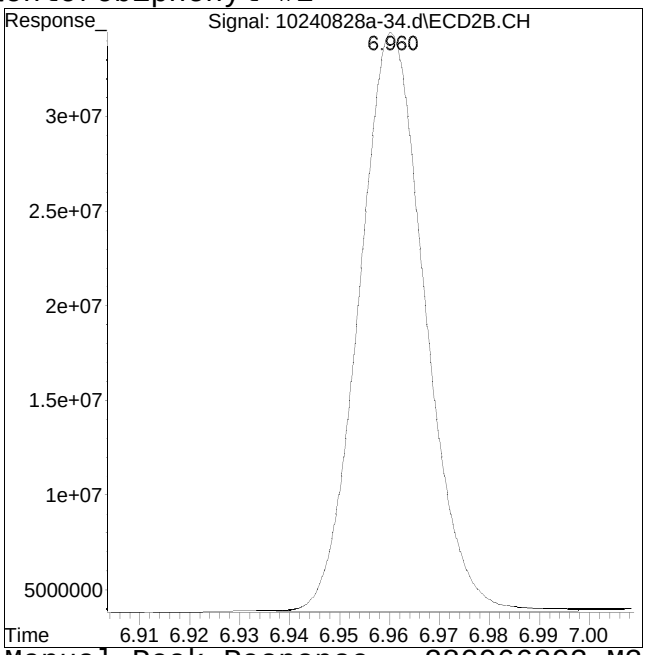
Original Peak Response = 1306643995 Manual Peak Response = 1282254701 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-34.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 12:55 Instrument : Pest 10
Sample : WG1964642-4,42,, ms Quant Date : 8/28/2024 2:25 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 283381679 Manual Peak Response = 280966893 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:06
Operator : PEST10:mmg
Sample : WG1964642-5,42,, msd
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:25 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

	Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards								
1)	i	1-br-2-nb_Pe	1.264	1.387	863.3E6	192.6E6	25.000	25.000M3
	Standard Area 1 : #1 = 712112923					Recovery = 121.24%		
	Standard Area 1 : #2 = 150538774					Recovery = 127.93%		
System Monitoring Compounds								
2)	s	2,4,5,6-Tetr	1.601	1.871	1207.7E6	265.1E6	28.282	30.917M4
	Spiked Amount		50.000	Range 30 - 150		Recovery =	56.56%	61.83%
27)	s	Decachlorobi	6.229	6.958	1230.1E6	269.3E6	29.653M4	33.838M3
	Spiked Amount		50.000	Range 30 - 150		Recovery =	59.31%	67.68%
Target Compounds								
4)	t	alpha-BHC	1.905	2.292	1694.7E6	368.6E6	27.529M4	30.527M4
5)	t	gamma-BHC (l	2.103	2.581	1589.1E6	343.0E6	27.401M4	30.123M4
6)	t	beta-BHC	2.158	2.646	681.8E6	154.6E6	27.131M4	28.587M4
7)	t	delta-BHC	2.283	2.916	1469.7E6	289.1E6	25.207M4	25.153M4
8)	t	Heptachlor	2.441	2.982	1593.1E6	334.9E6	29.028M4	29.685M3
9)	t	Aldrin	2.679	3.304	1337.2E6	309.8E6	25.568M4	29.862M4
12)	t	Heptachlor E	3.213	3.925	1410.5E6	300.8E6	28.522M4	29.170M4
13)	t	gamma-Chlord	3.335	4.146	1427.9E6	327.9E6	31.307M3	35.623M4
14)	t	alpha-Chlord	3.467	4.316	1275.6E6	320.2E6	24.390M4	30.607M4
15)	t	4,4'-DDE	3.563	4.512	1373.8E6	316.7E6	27.090M4	31.927
16)	t	Endosulfan I	3.601	4.377	1306.4E6	304.2E6	27.816	31.333
17)	t	Dieldrin	3.857	4.668	1563.3E6	341.4E6	31.881	35.165
18)	t	Endrin	4.109	4.964	1498.6E6	322.8E6	29.679M4	32.542
19)	t	4,4'-DDD	4.225	5.085	1260.5E6	276.9E6	30.520M4	34.950
20)	t	Endosulfan I	4.358	5.162	1344.5E6	296.1E6	29.968M4	32.718
21)	t	4,4'-DDT	4.527	5.362	1353.8E6	292.3E6	29.269M3	33.411

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:06
Operator : PEST10:mmg
Sample : WG1964642-5,42,, msd
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:25 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2024\240828A\10240828a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.786	5.458	903.7E6	199.8E6	24.339	26.520M3
23) t Methoxychlor	5.028	5.925	759.8E6	161.6E6	29.659	32.935M4
25) t Endosulfan S	5.186	5.686	1299.6E6	277.9E6	30.040	31.862
26) t Endrin Keton	5.416	6.098	1526.4E6	330.1E6	31.379	34.696M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

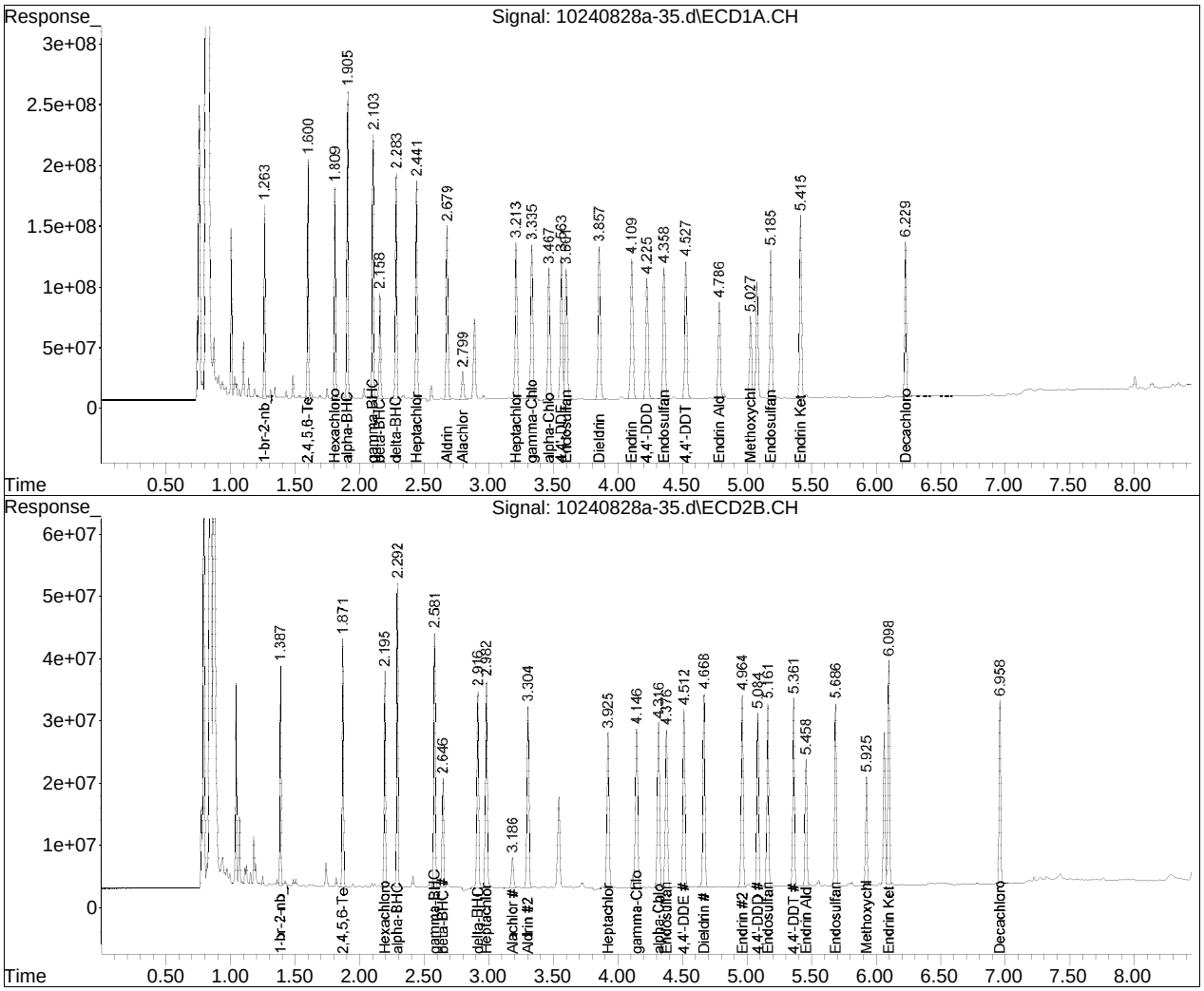
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2024\240828A\10240828a-03.d•

Data Path : I:\PEST\Pest10\2024\240828A\
Data File : 10240828a-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Aug 2024 13:06
Operator : PEST10:mmg
Sample : WG1964642-5,42,, msd
Misc : wg1964824,WG1964642,ical21311
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 14:25:25 2024
Quant Method : I:\PEST\Pest10\2024\240828A\pest10_2024_07_17_ugL_ical21311.m
Quant Title : pest
QLast Update : Wed Aug 28 07:34:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

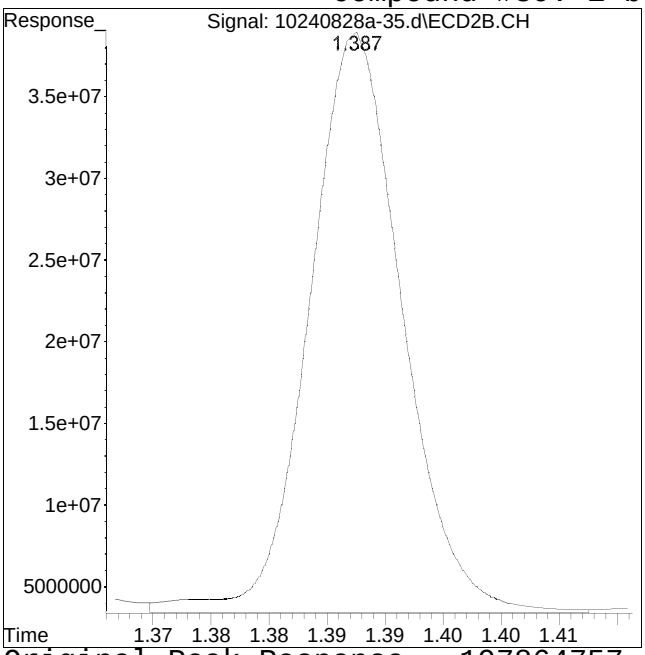
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

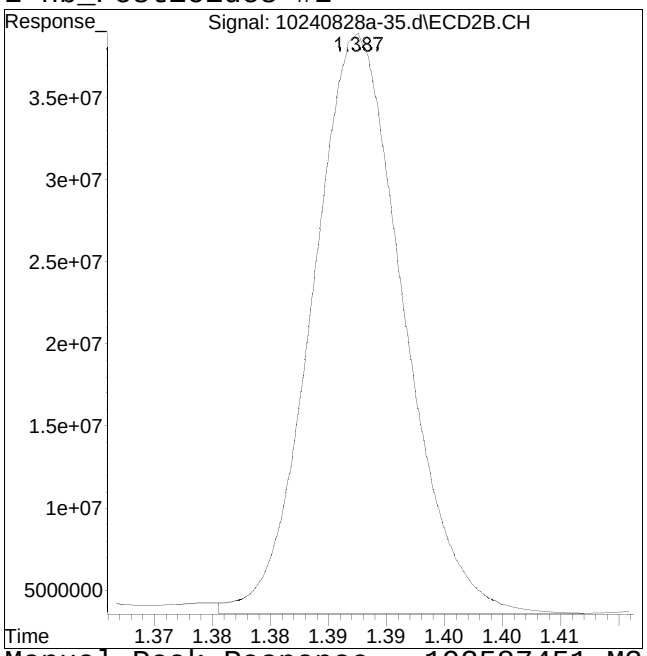


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #39: 1-br-2-nb_Pesticides #2



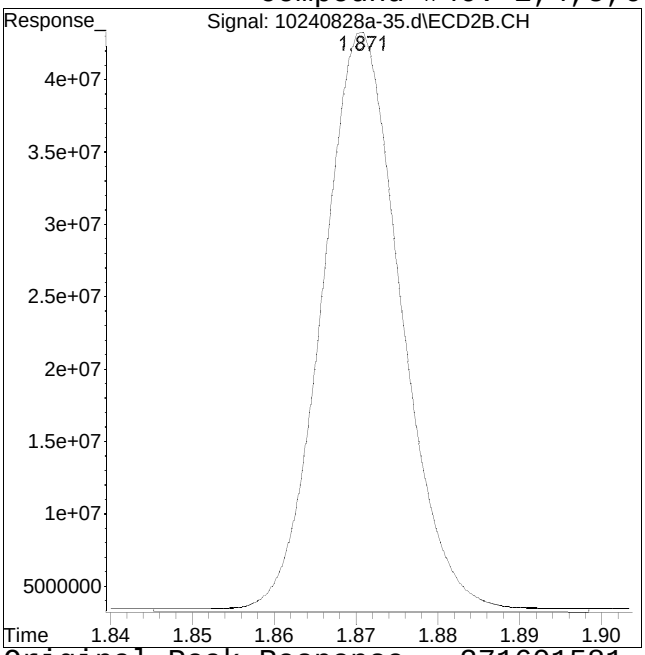


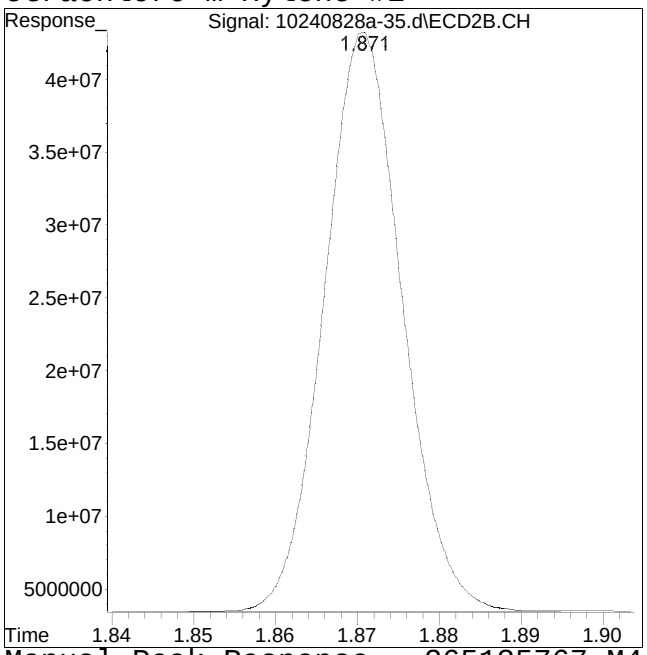
Original Peak Response = 197864757 Manual Peak Response = 192587451 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



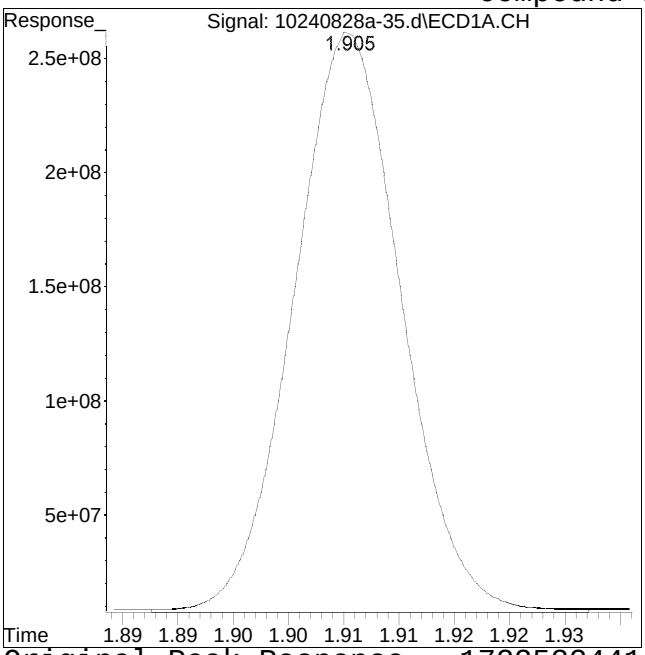


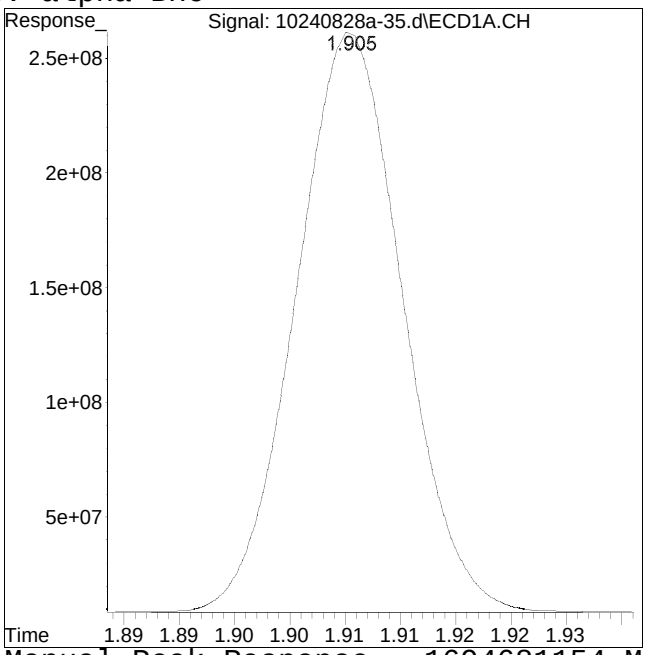
Original Peak Response = 271601581 Manual Peak Response = 265135767 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #4: alpha-BHC



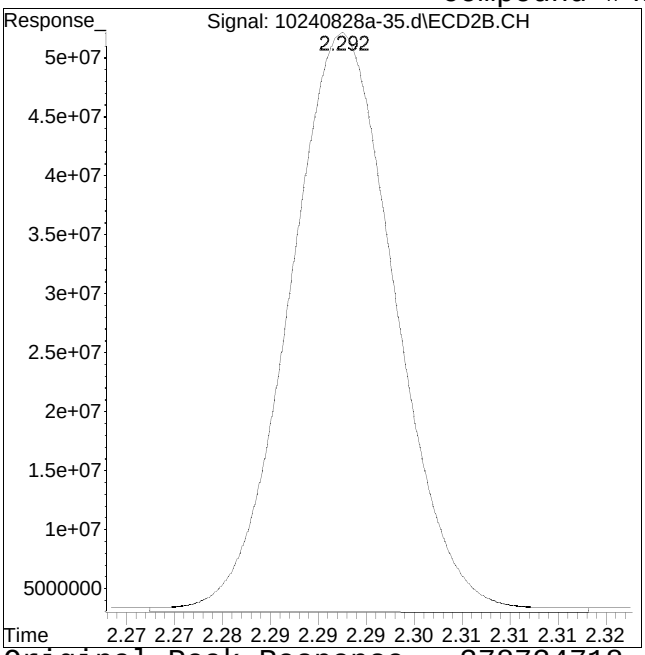


Original Peak Response = 1722522441 Manual Peak Response = 1694681154 M4
M4 = Poor automated baseline construction.

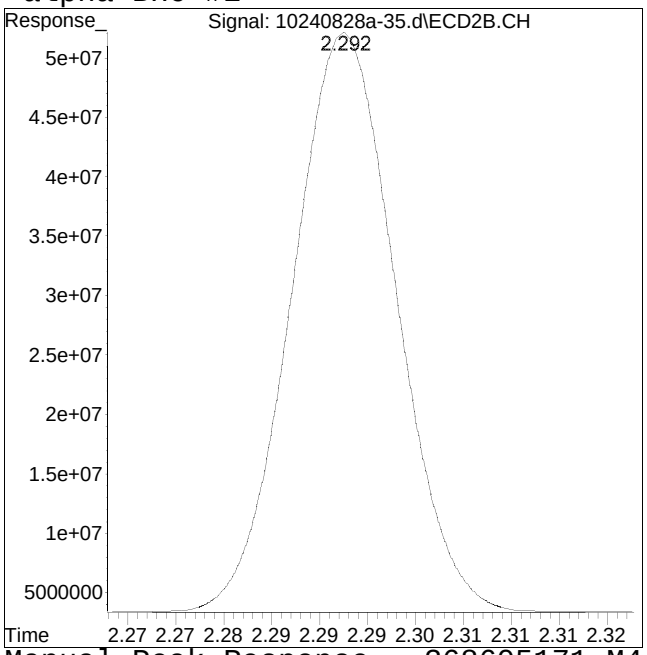
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #42: alpha-BHC #2



Original Peak Response = 378734718



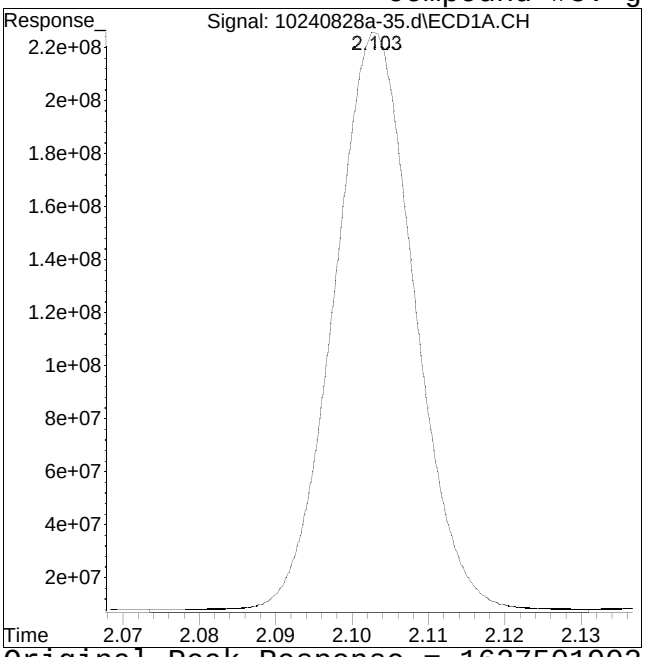
Manual Peak Response = 368605171 M4

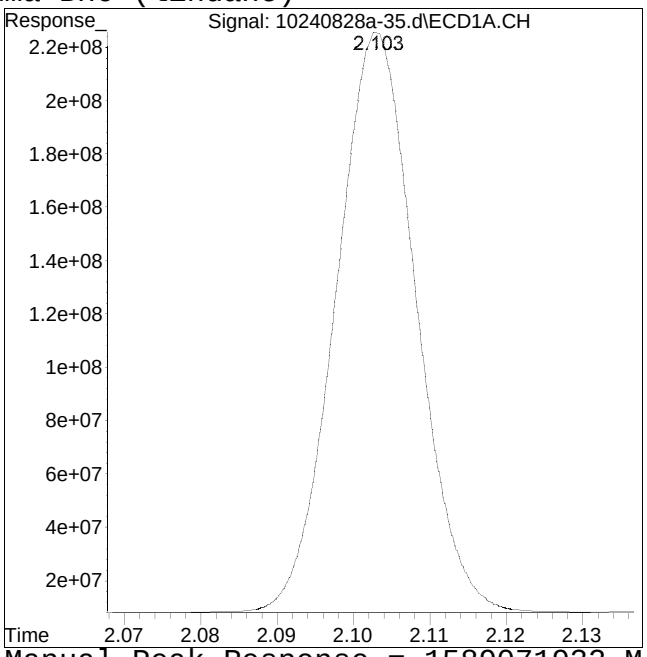
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #5: gamma-BHC (lindane)



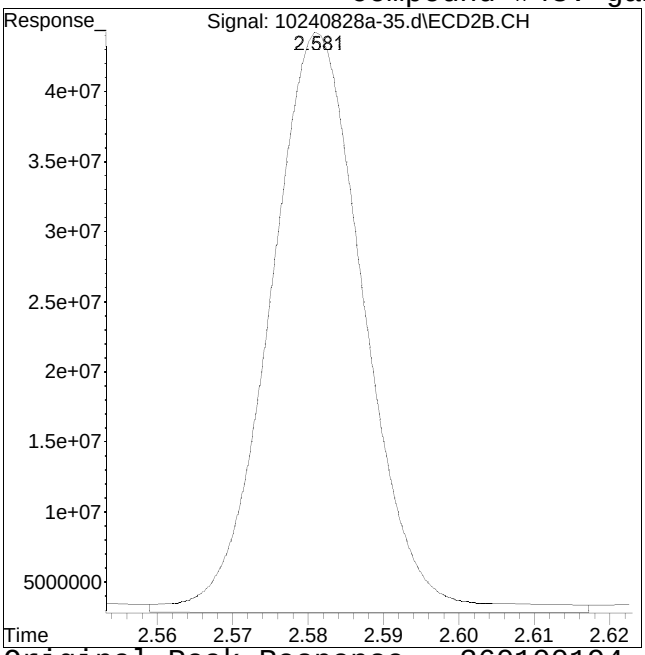


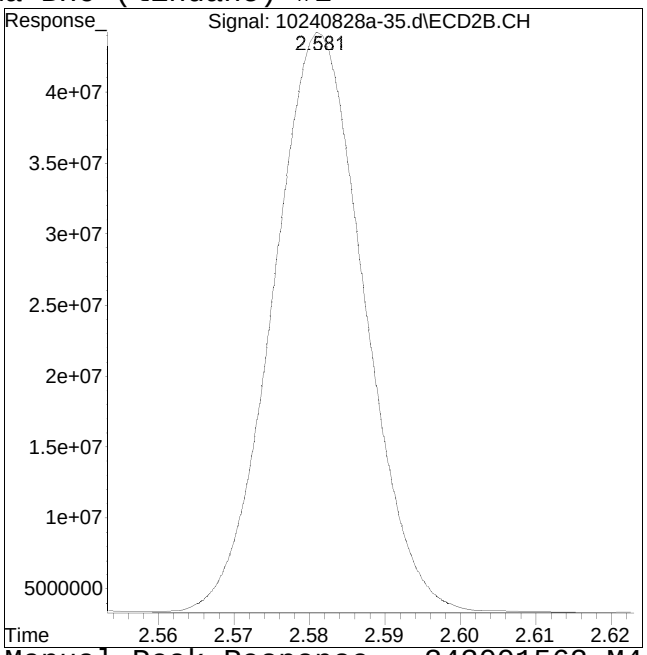
Original Peak Response = 1627501902 Manual Peak Response = 1589071932 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #43: gamma-BHC (lindane) #2



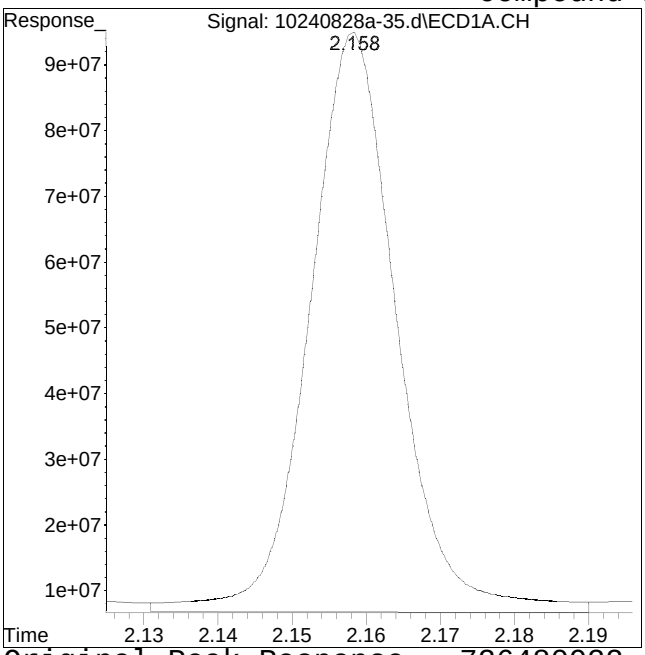


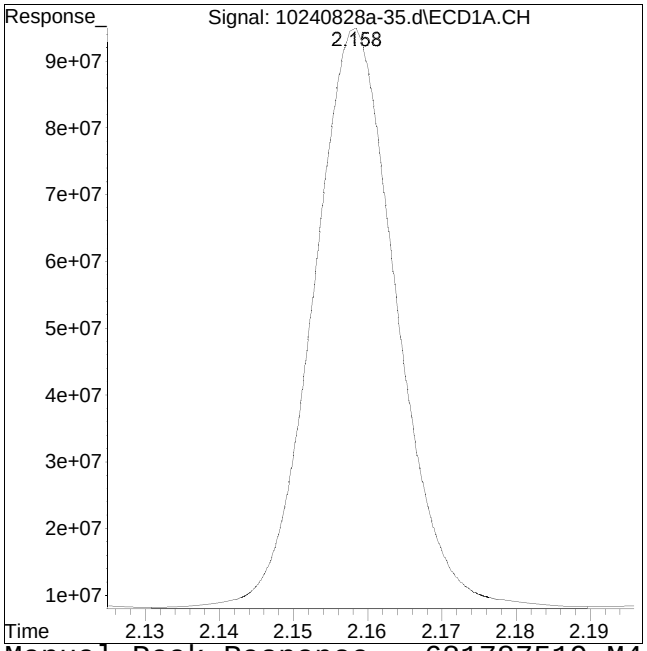
Original Peak Response = 360100194 Manual Peak Response = 343001562 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #6: beta-BHC



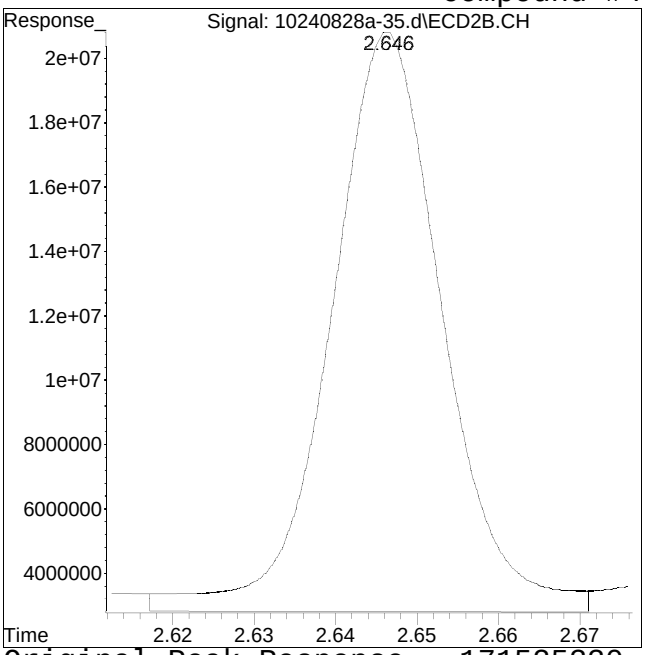


Original Peak Response = 726480922 Manual Peak Response = 681787519 M4
M4 = Poor automated baseline construction.

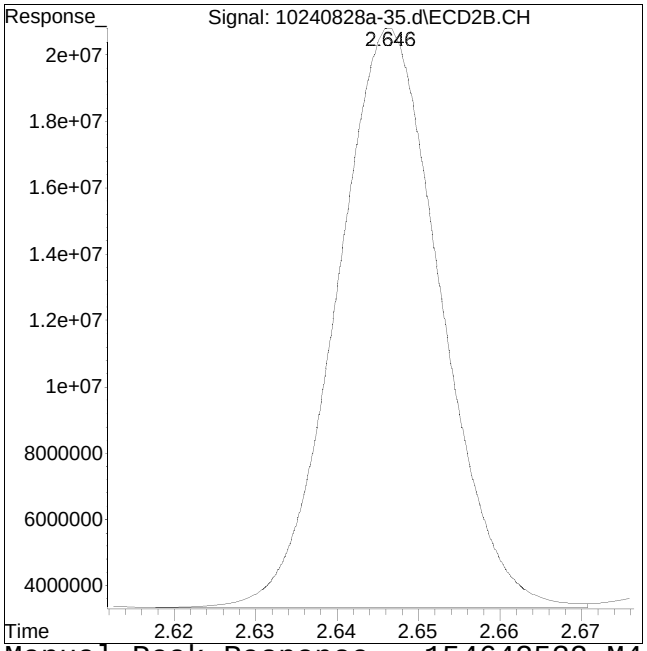
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #44: beta-BHC #2



Original Peak Response = 171525330



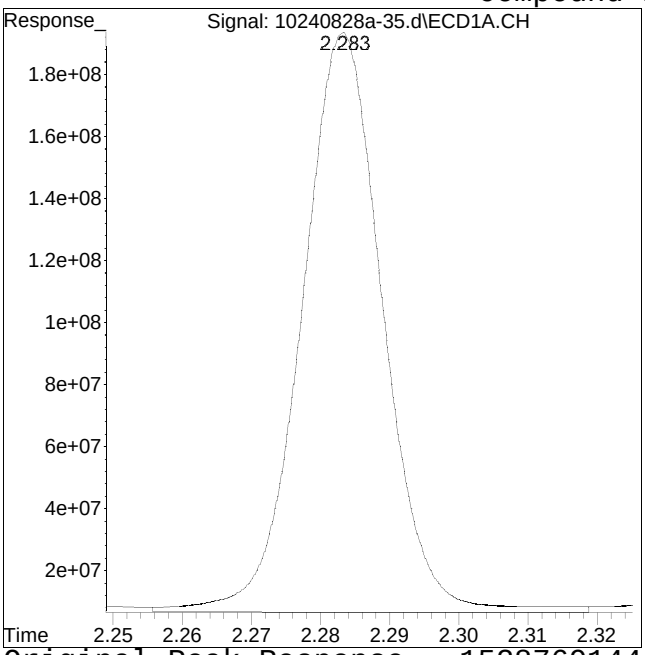
Manual Peak Response = 154642532 M4

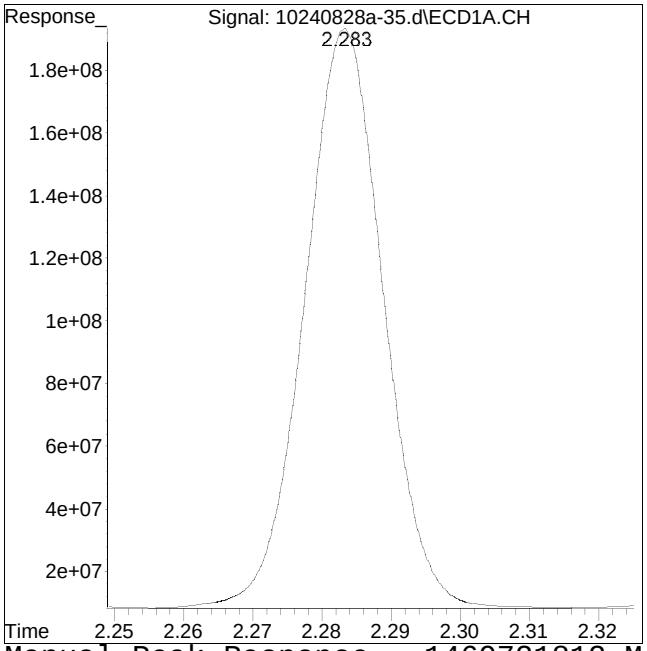
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #7: delta-BHC



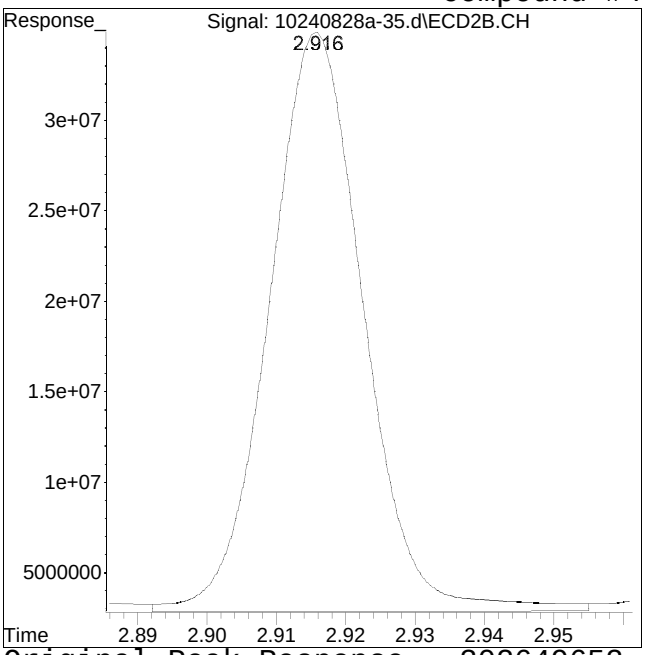


Original Peak Response = 1528769144 Manual Peak Response = 1469721812 M4
M4 = Poor automated baseline construction.

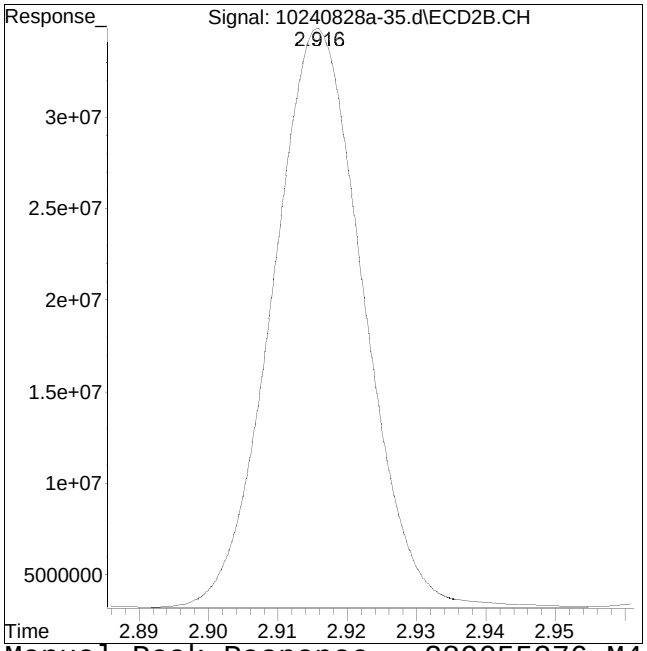
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #45: delta-BHC #2



Original Peak Response = 302649652



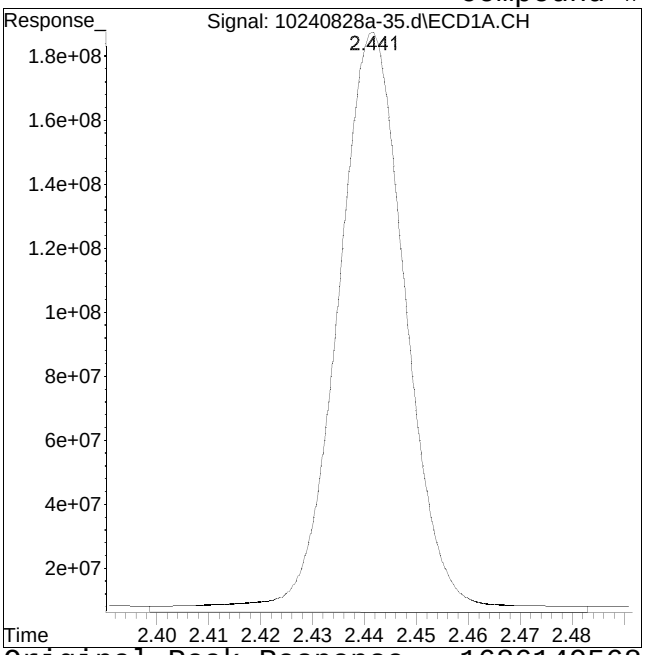
Manual Peak Response = 289055276 M4

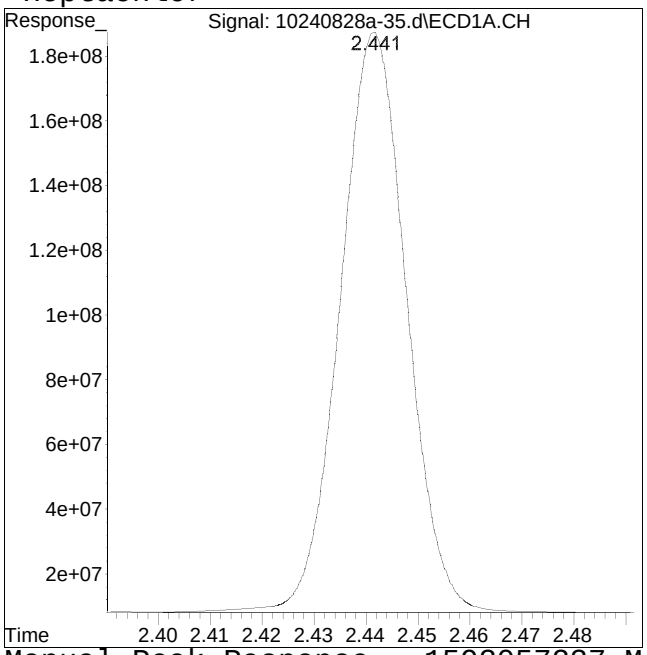
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #8: Heptachlor



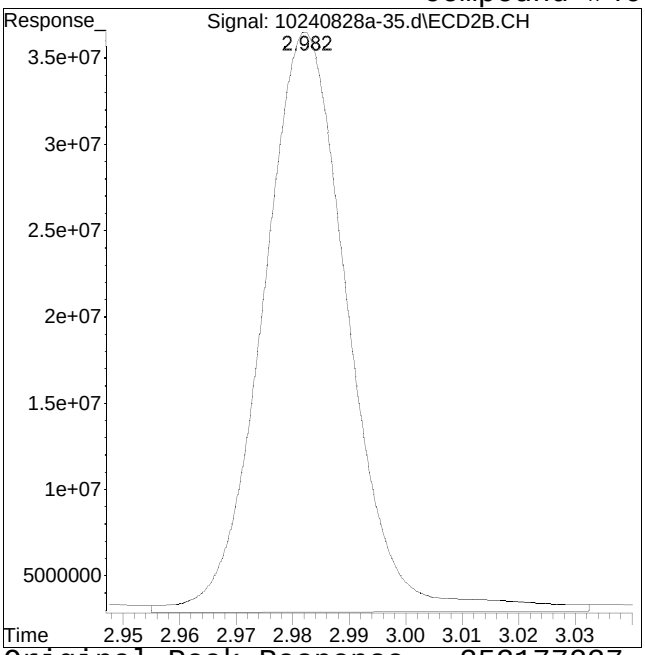


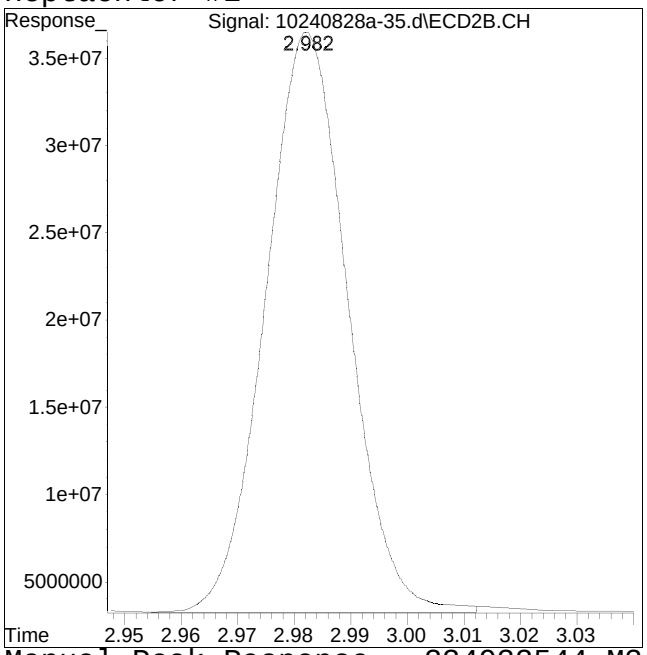
Original Peak Response = 1686149568 Manual Peak Response = 1593057237 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #46: Heptachlor #2



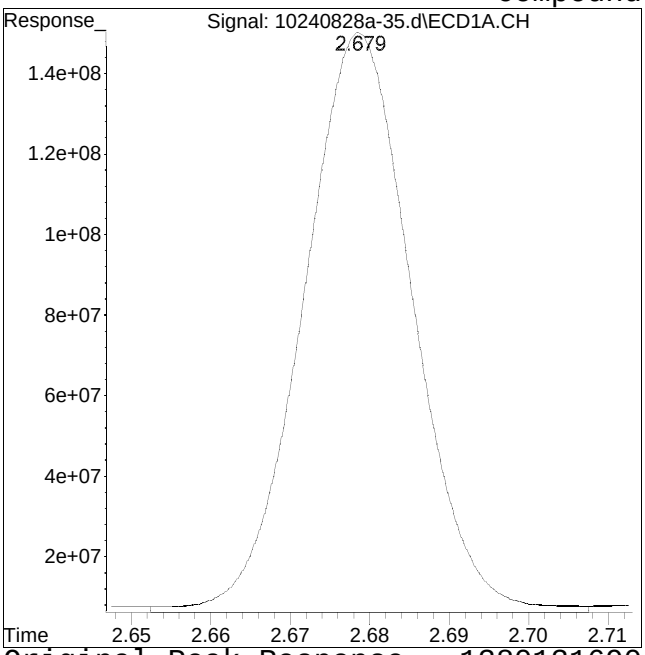


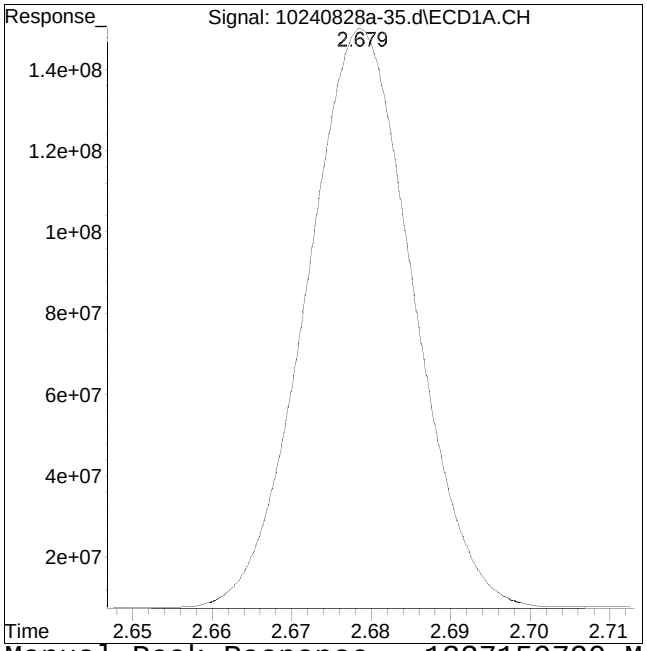
Original Peak Response = 353177237 Manual Peak Response = 334933544 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #9: Aldrin



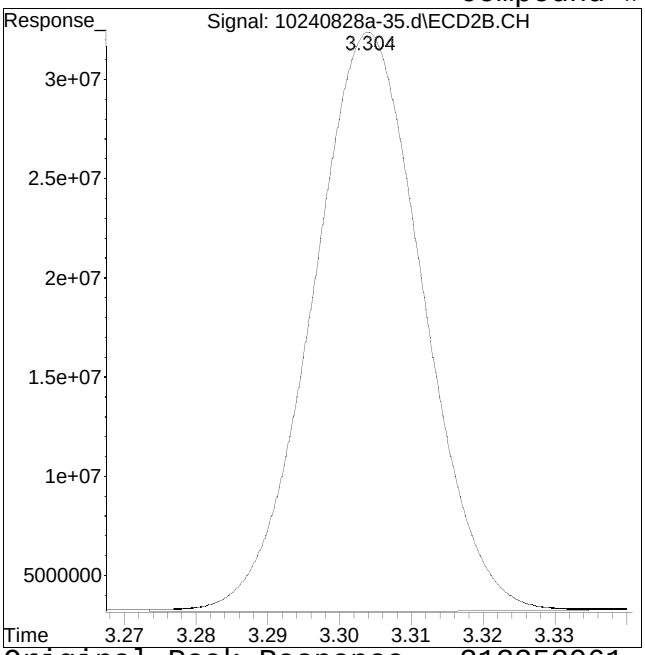


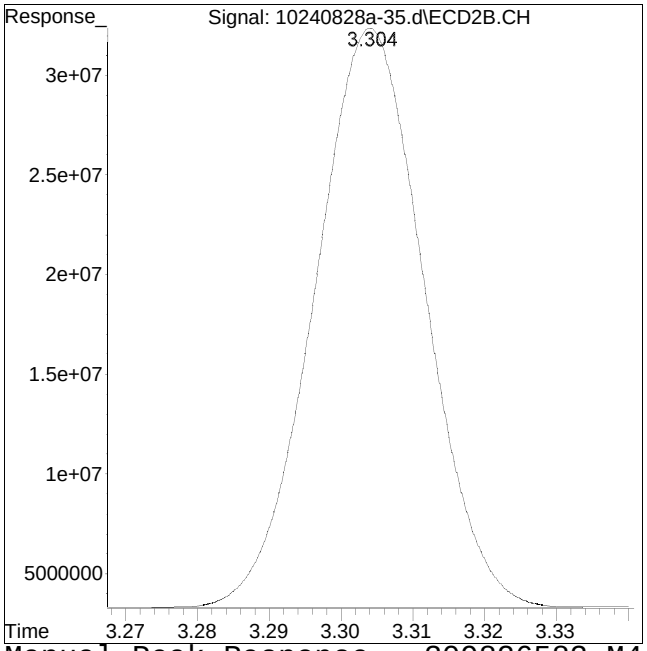
Original Peak Response = 1380131690 Manual Peak Response = 1337159720 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #47: Aldrin #2



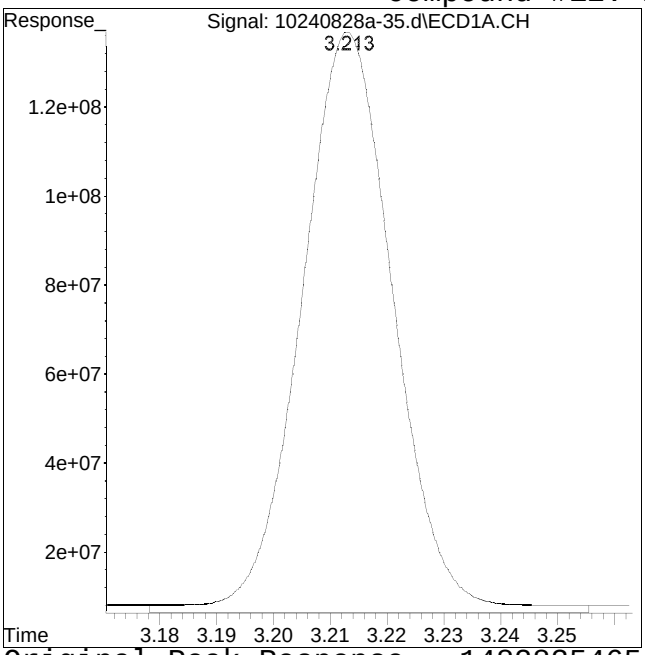


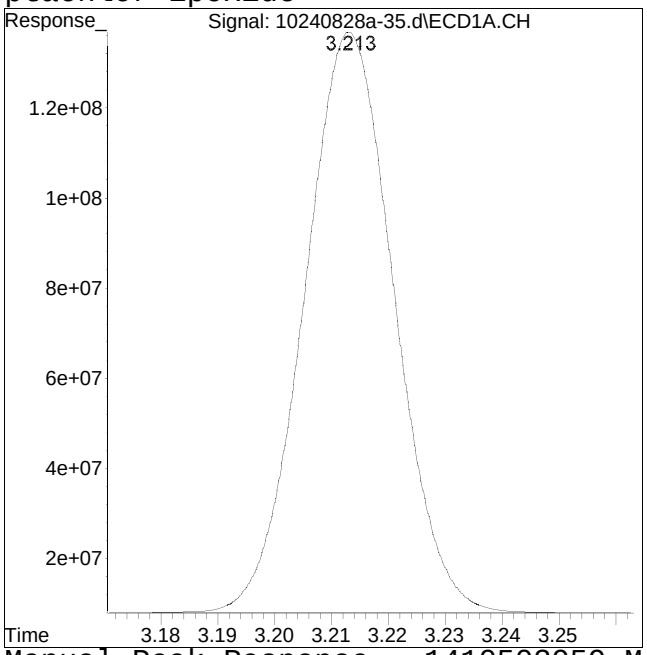
Original Peak Response = 313352961 Manual Peak Response = 309826583 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #12: Heptachlor Epoxide



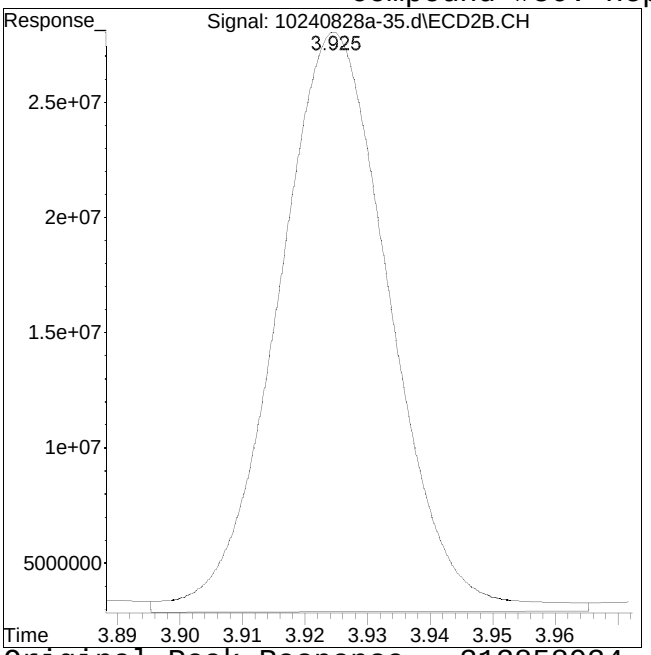


Original Peak Response = 1482835465 Manual Peak Response = 1410503959 M4
M4 = Poor automated baseline construction.

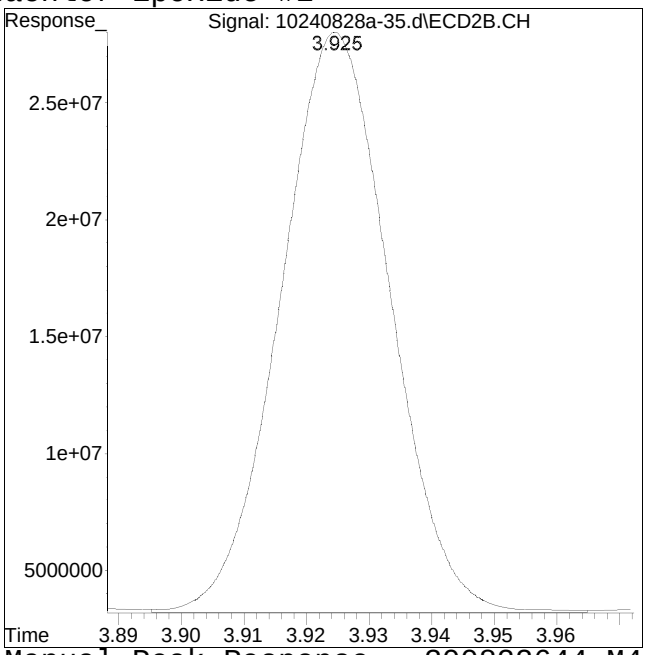
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 313858934



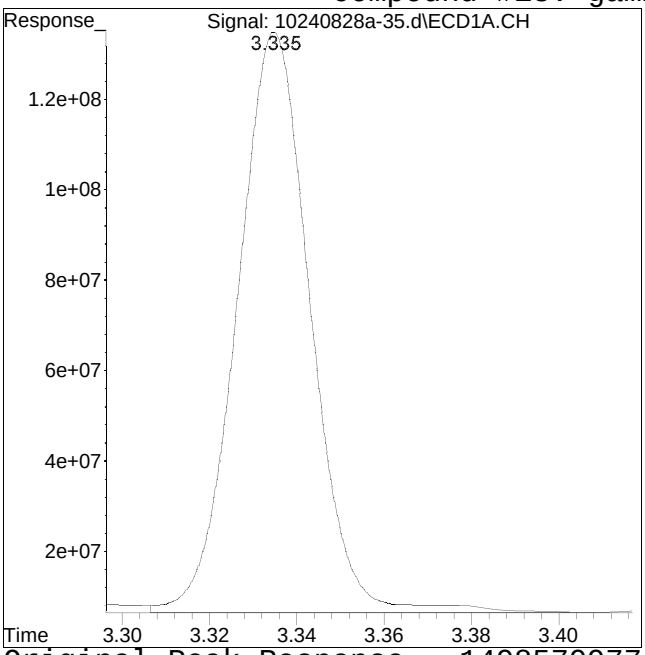
Manual Peak Response = 300822644 M4

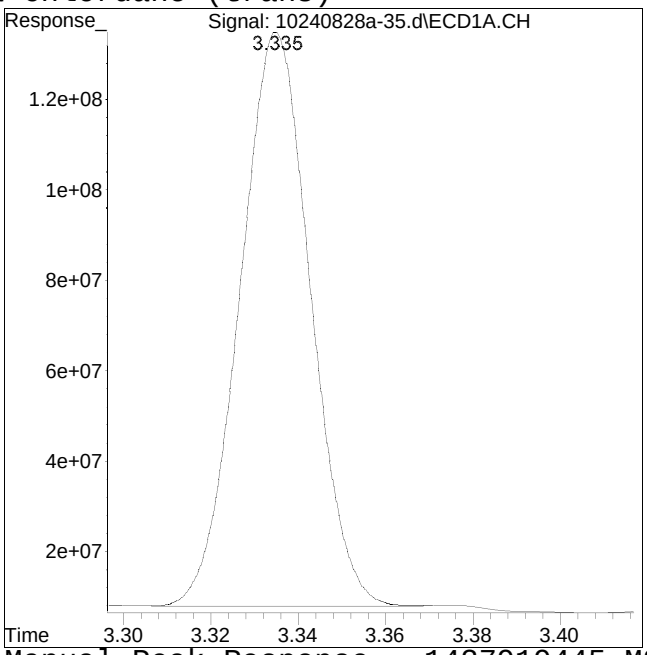
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #13: gamma-Chlordane (trans)



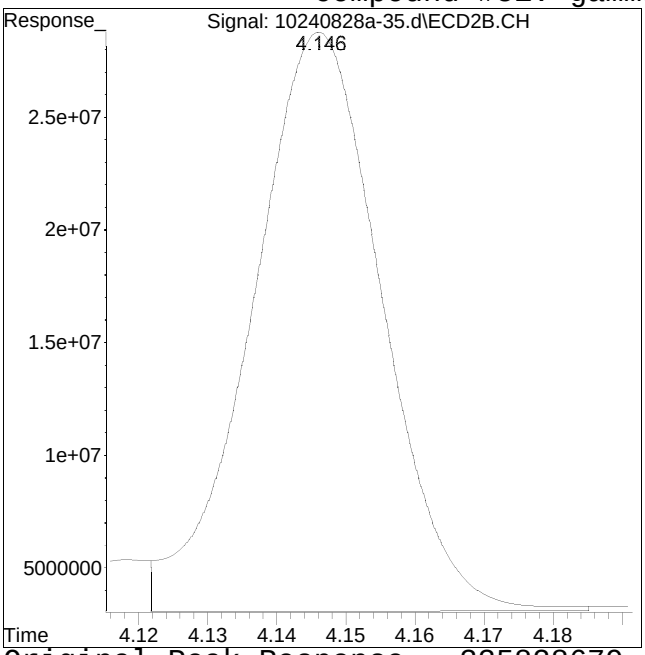


Original Peak Response = 1498579977 Manual Peak Response = 1427919445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

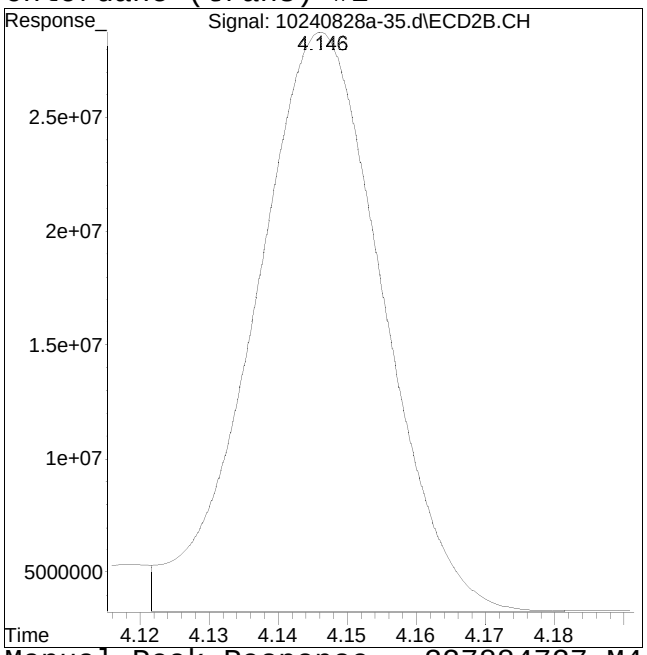
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 335828679



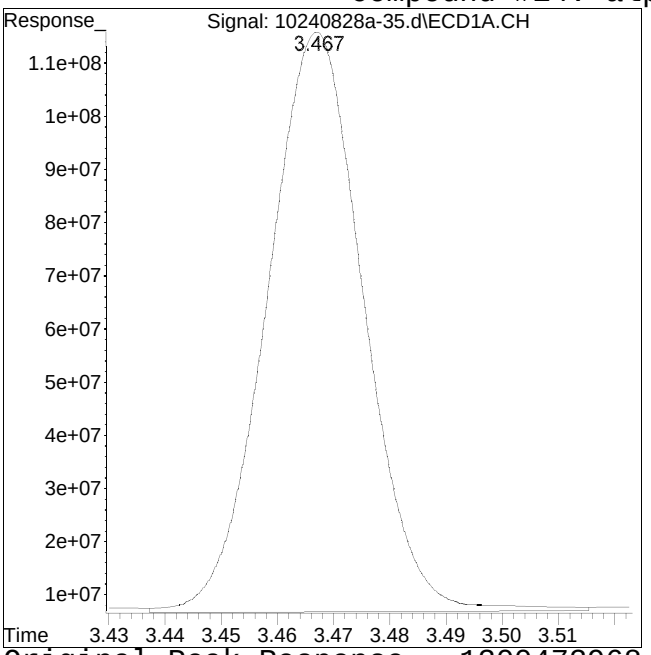
Manual Peak Response = 327884727 M4

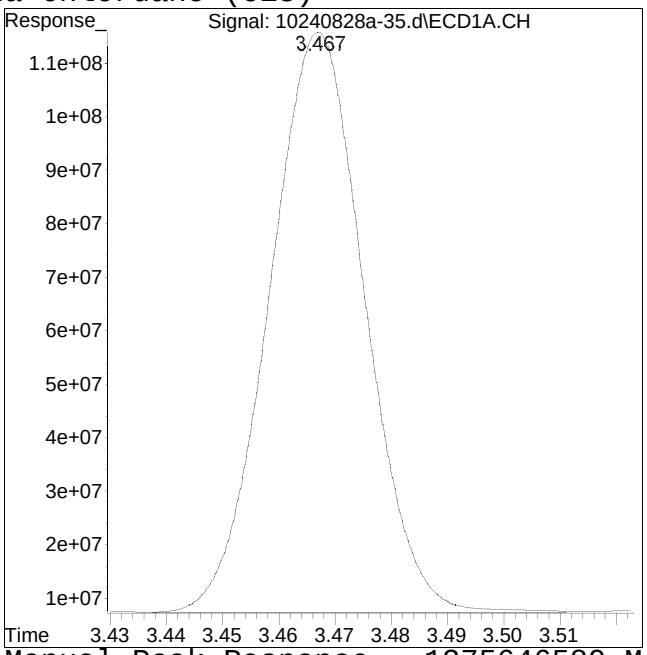
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #14: alpha-Chlordane (cis)



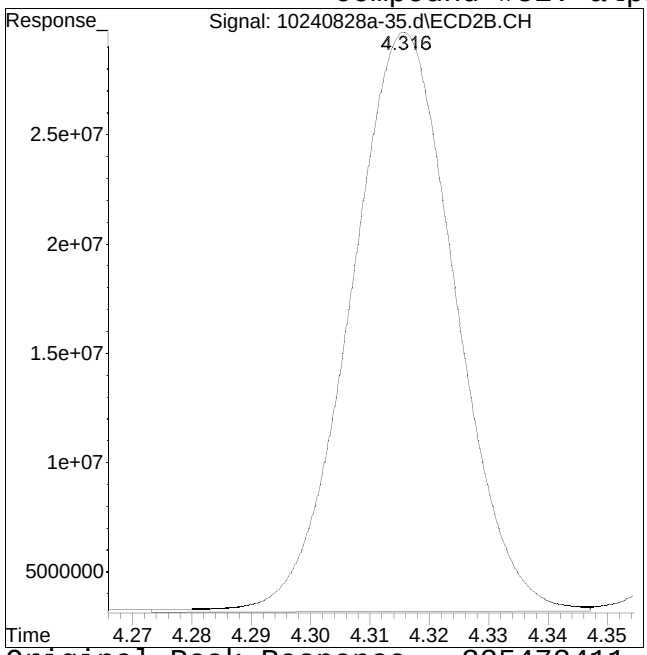


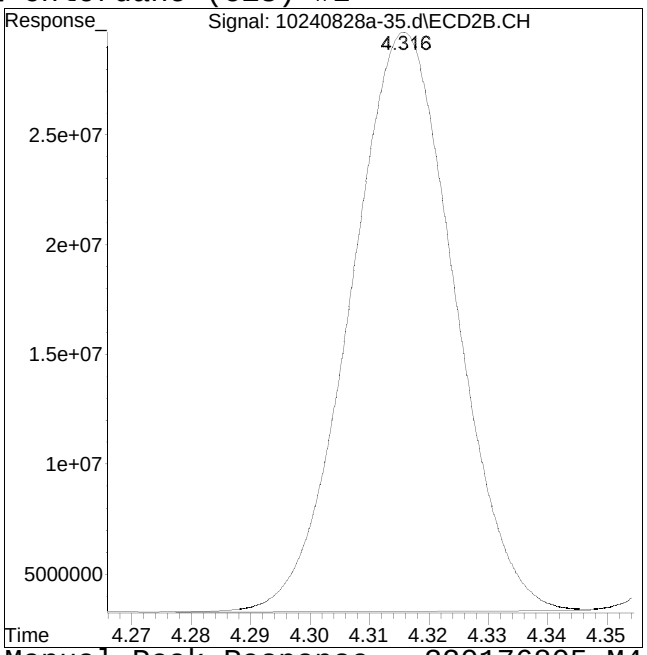
Original Peak Response = 1300473968 Manual Peak Response = 1275646589 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #52: alpha-Chlordane (cis) #2



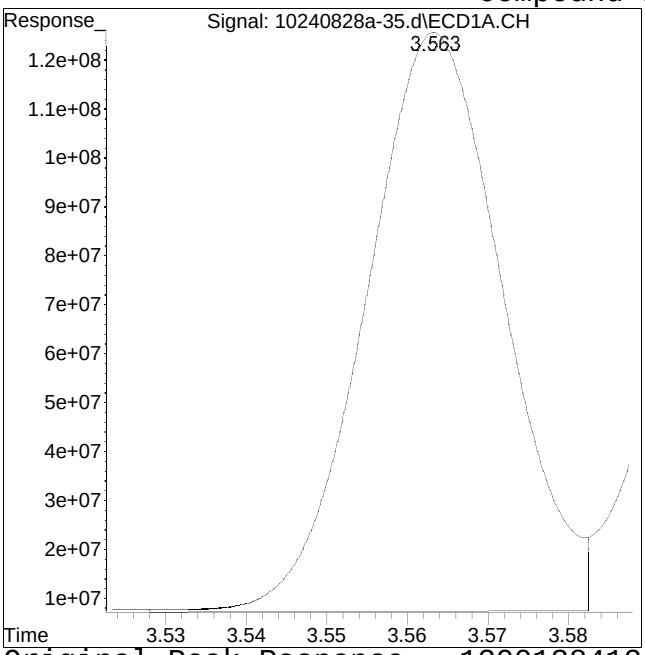


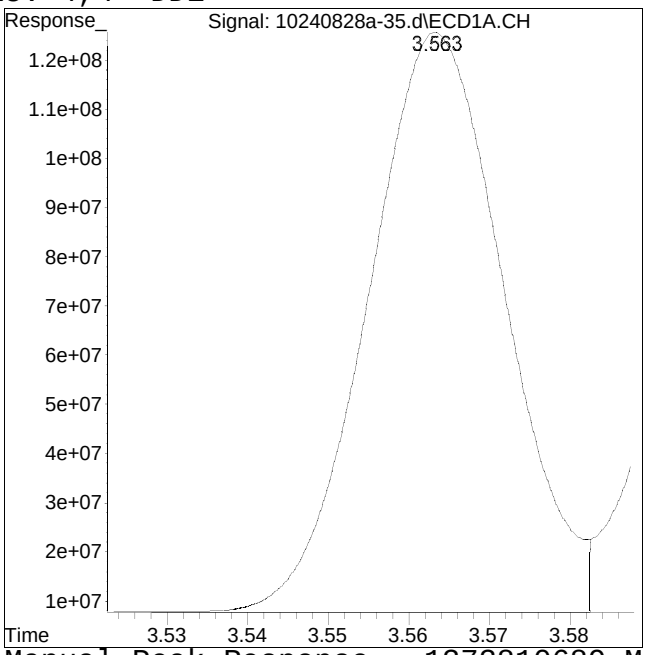
Original Peak Response = 325472411 Manual Peak Response = 320176805 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #15: 4,4'-DDE



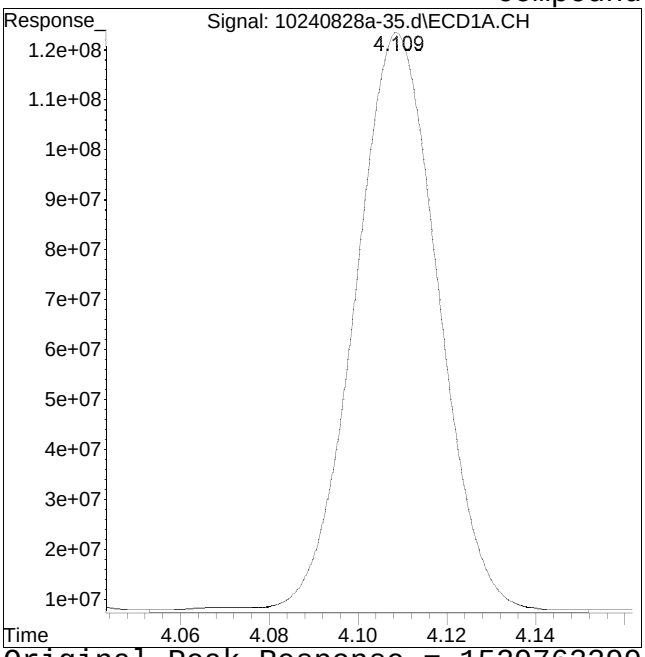


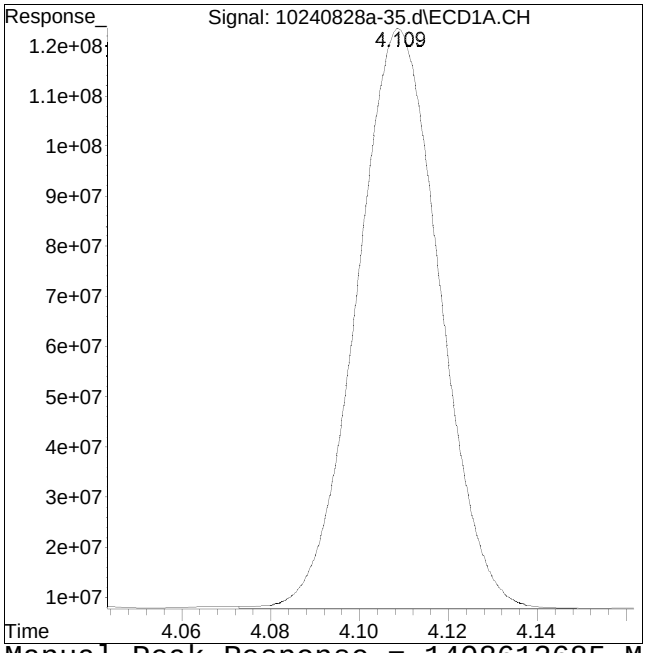
Original Peak Response = 1390138412 Manual Peak Response = 1373810689 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #18: Endrin



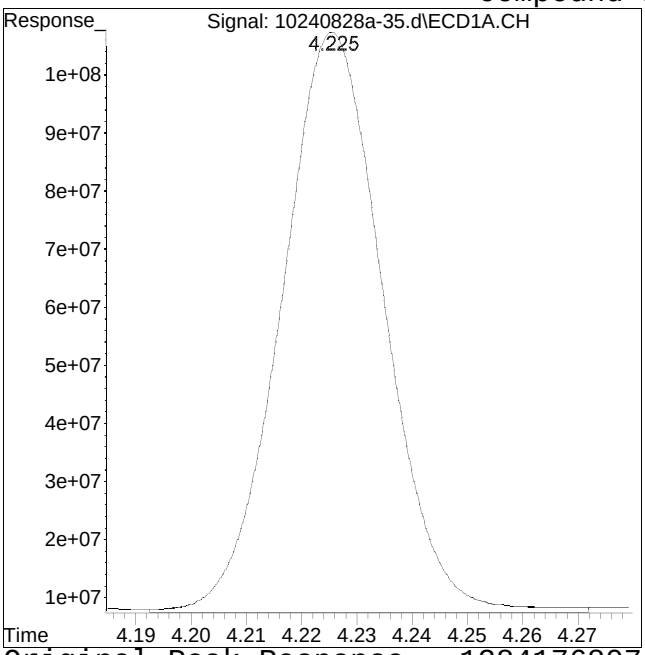


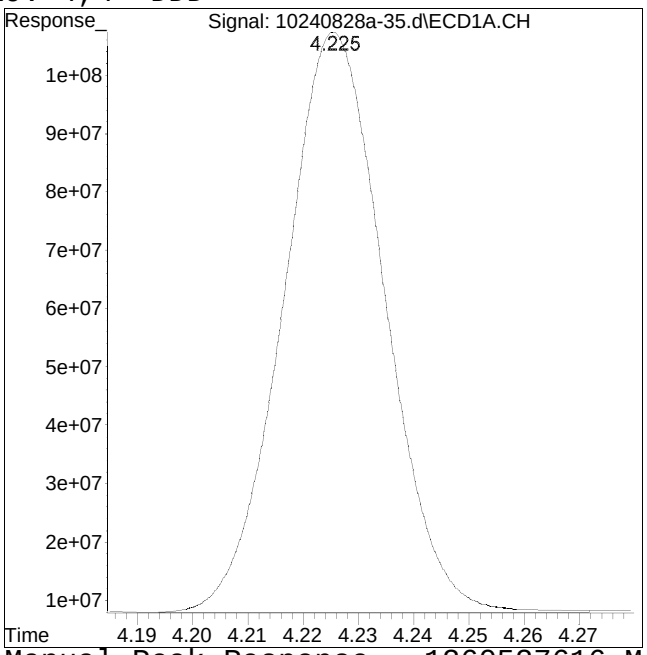
Original Peak Response = 1529763299 Manual Peak Response = 1498612685 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #19: 4,4'-DDD



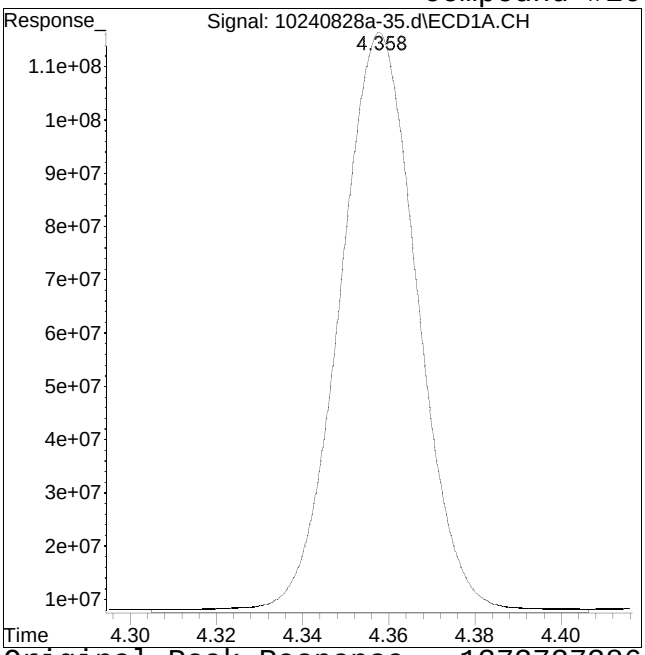


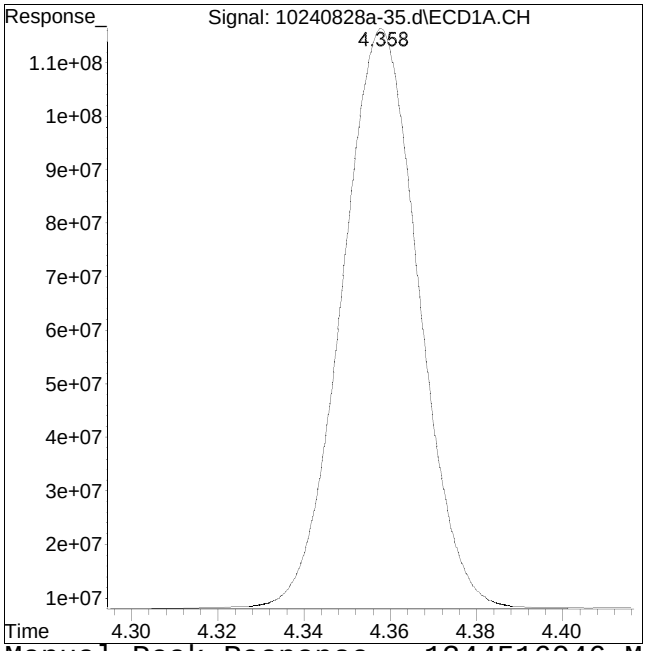
Original Peak Response = 1284176807 Manual Peak Response = 1260527616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #20: Endosulfan II



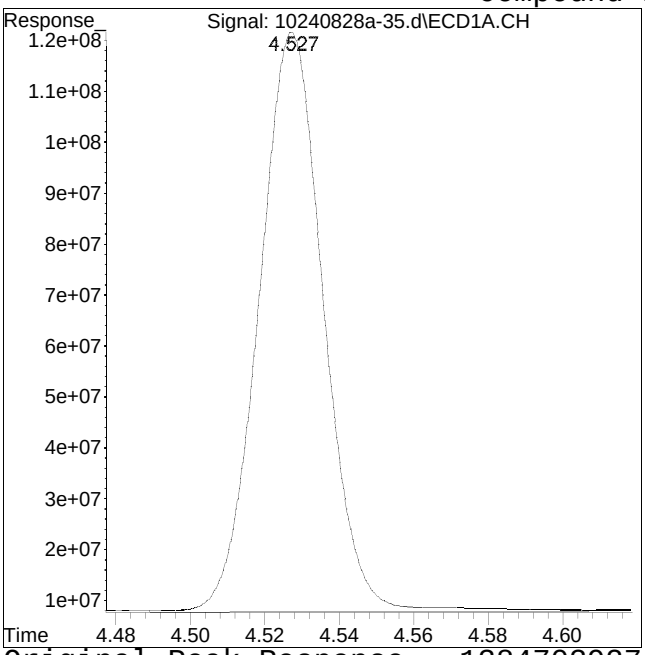


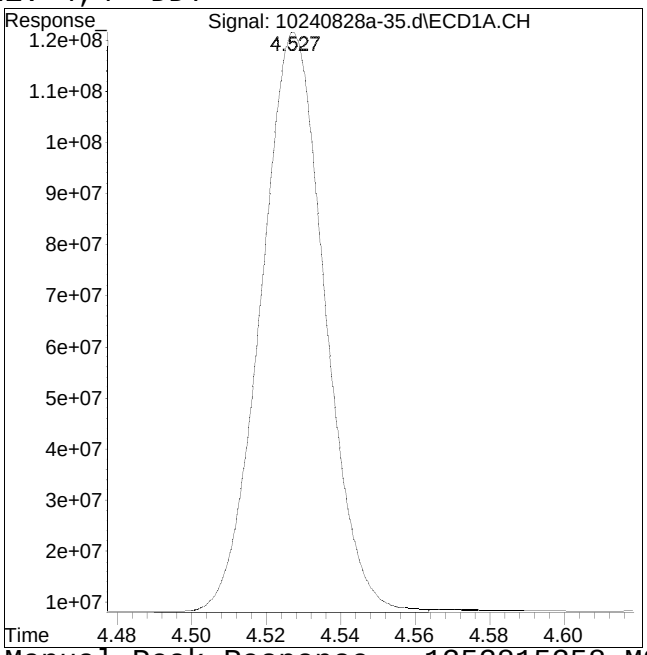
Original Peak Response = 1373727386 Manual Peak Response = 1344516046 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #21: 4,4'-DDT



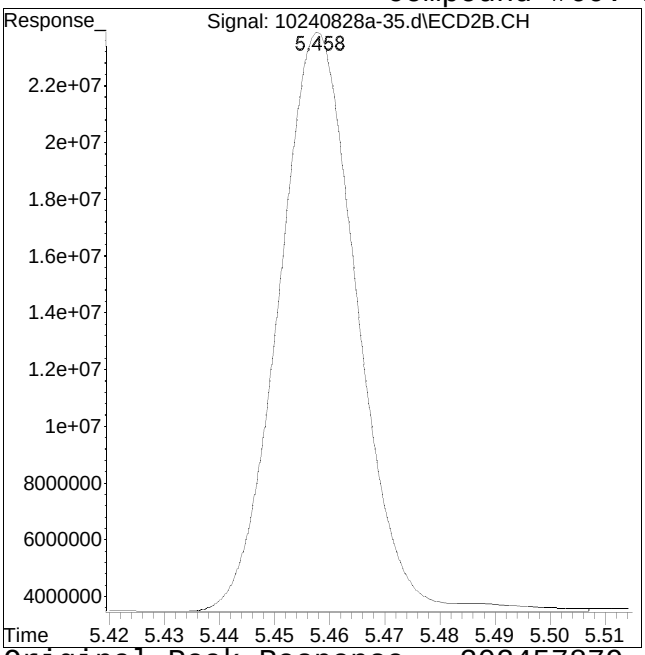


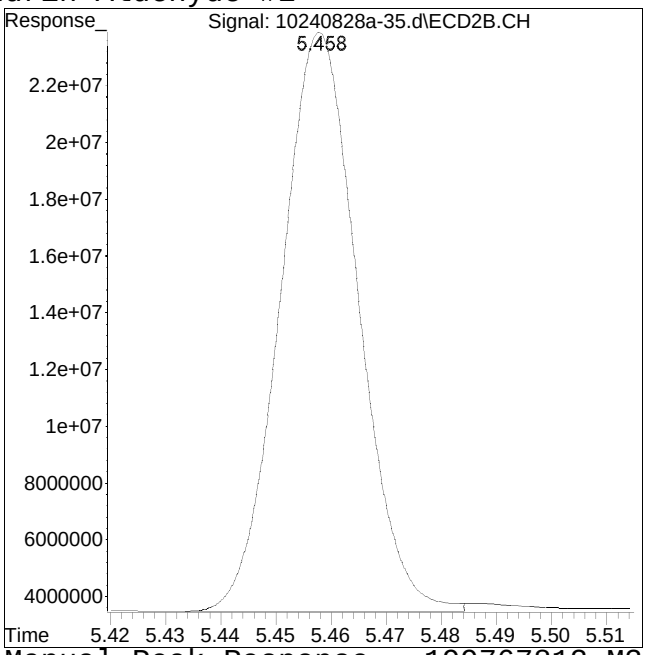
Original Peak Response = 1384703927 Manual Peak Response = 1353815358 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #60: Endrin Aldehyde #2



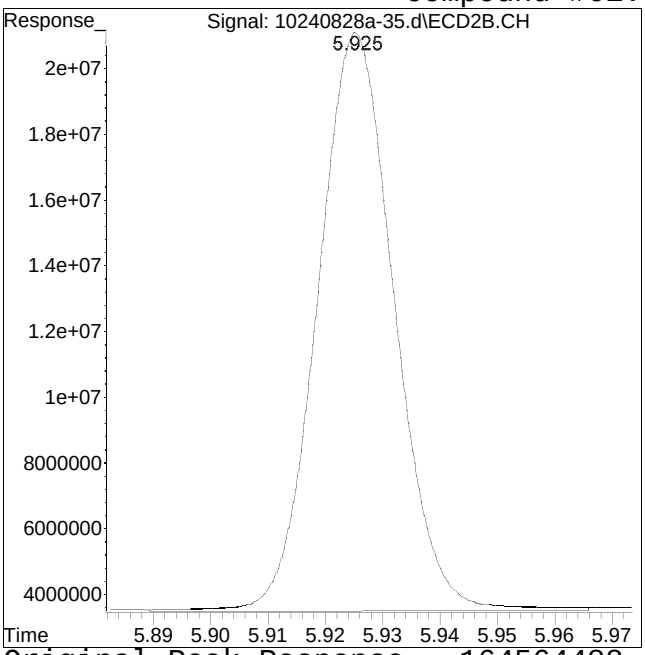


Original Peak Response = 202457879 Manual Peak Response = 199767812 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

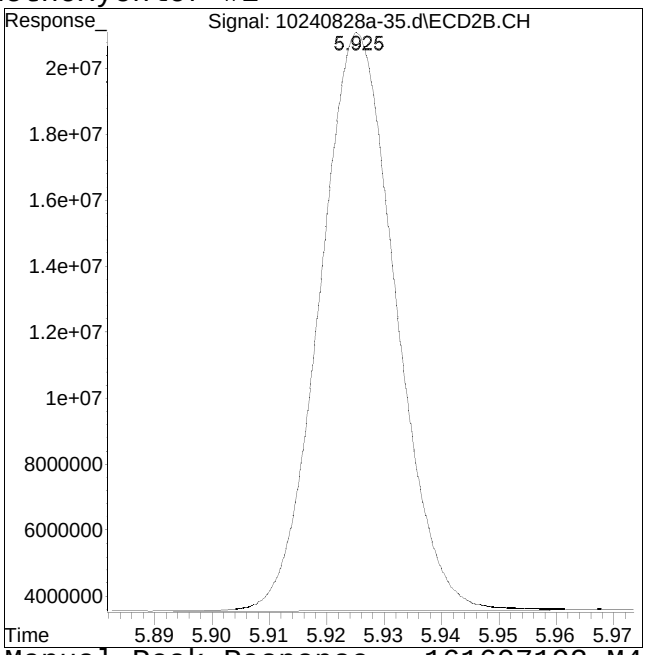
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #61: Methoxychlor #2



Original Peak Response = 164564488



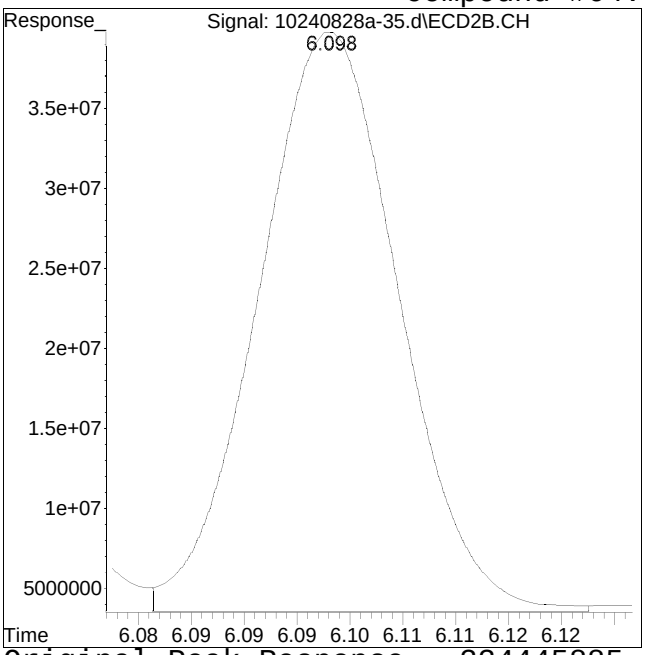
Manual Peak Response = 161607192 M4

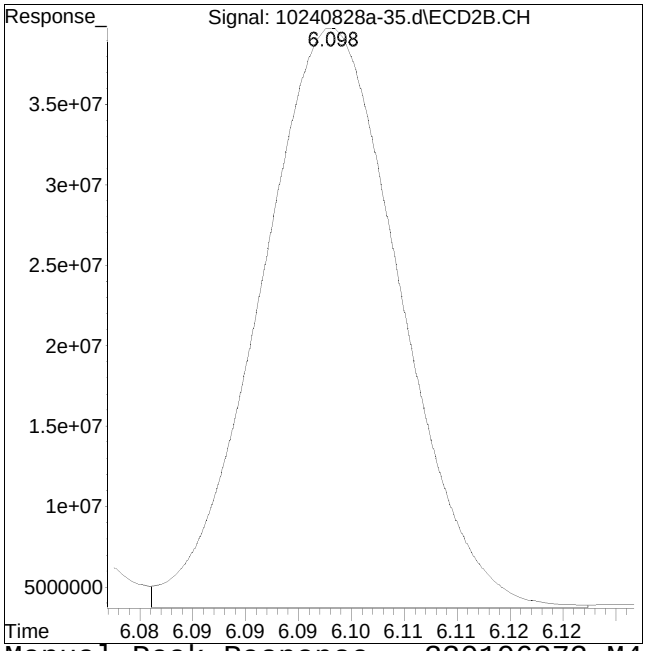
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #64: Endrin Ketone #2



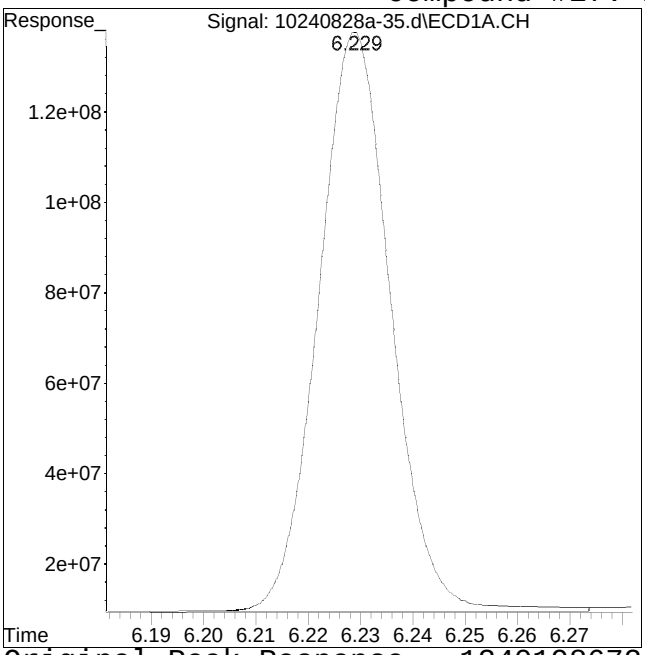


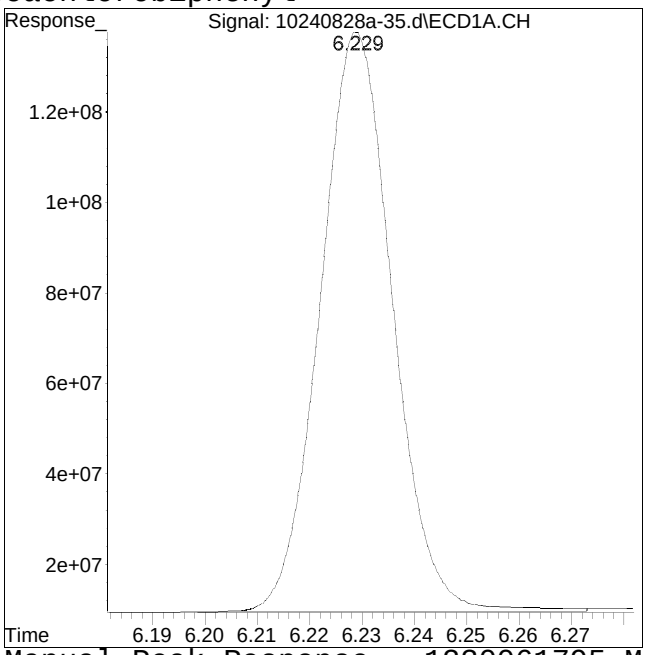
Original Peak Response = 334445885 Manual Peak Response = 330106873 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #27: Decachlorobiphenyl



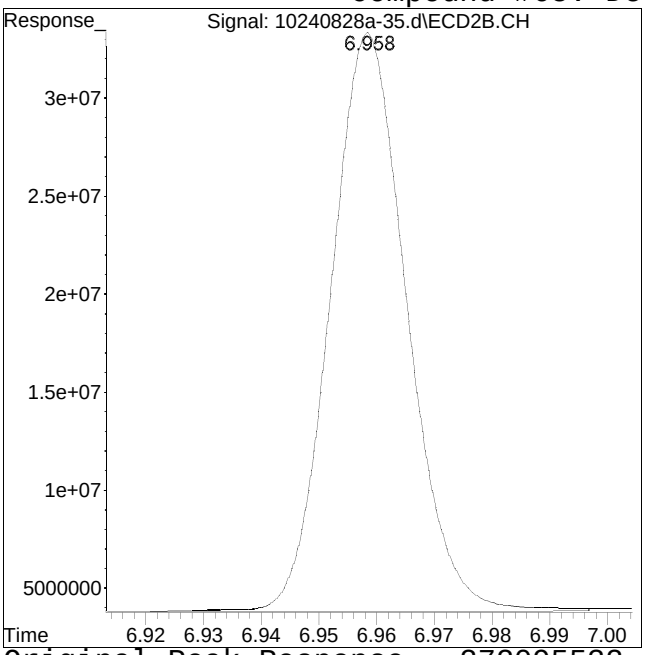


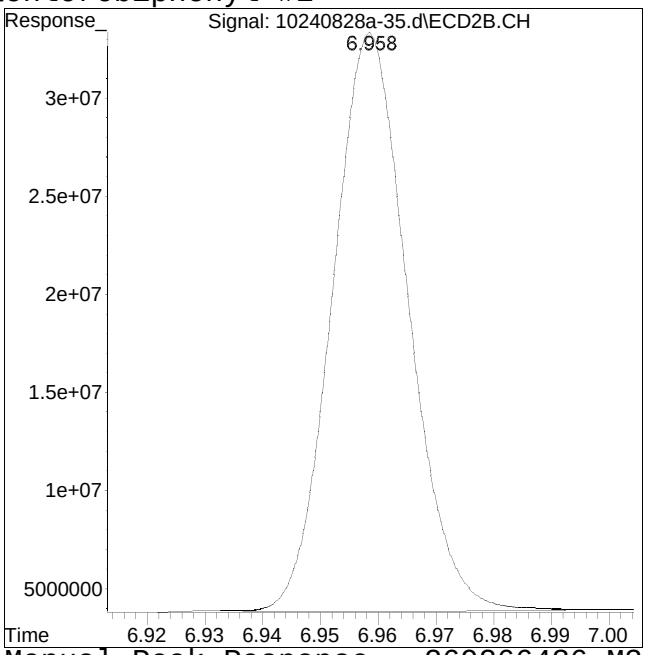
Original Peak Response = 1240198672 Manual Peak Response = 1230061795 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\240828QMethod : pest10_2024_07_17_ugL_ic
Data File : 10240828a-35.d Operator : PEST10:mmg
Date Inj'd : 8/28/2024 13:06 Instrument : Pest 10
Sample : WG1964642-5,42,, msd Quant Date : 8/28/2024 2:25 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 272095532 Manual Peak Response = 269266436 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: Pest_10
Date: **07/17/24**
Run: ical

Method
GC: pest

Seq: WG1949071
IS: pp11660

Vial	Data File	Sample	CCAL	notes	screen	initials
1	10240717i-01	blank,42e,,pp 11660	-			
2	10240717i-02	pem-01,42e,,pp 11667	-			PEG 7/18
3	10240717i-03	il1pest,42e,,pp 11687	L0.0005			PEG 7/18
4	10240717i-04	il2pest,42e,,pp 11686	L0.001			PEG 7/18
5	10240717i-05	il3pest,42e,,pp 11685	L0.002			PEG 7/18
6	10240717i-06	il4pest,42e,,pp 11684	L0.003			PEG 7/18
7	10240717i-07	il5pest,42e,,pp 11683	L0.004			PEG 7/18
8	10240717i-08	il7pest,42e,,pp 11682	L0.01			PEG 7/18
9	10240717i-09	il8pest,42e,,pp 11681	L0.05			PEG 7/18
10	10240717i-10	il9pest,42e,,pp 11680	L0.1			PEG 7/18
11	10240717i-11	il10pest,42e,,pp 11679	L0.2			PEG 7/18
12	10240717i-12	il11pest,42e,,pp 11678	L0.4			PEG 7/18
13	10240717i-13	cicvpest,42e,,pp 11675	L0.05ICV			PEG 7/18
14	10240717i-14	il3chlor,42e,,pp 11694	L0.01			PEG 7/18
15	10240717i-15	il4chlor,42e,,pp 11693	L0.02			PEG 7/18
16	10240717i-16	il5chlor,42e,,pp 11692	L0.1			PEG 7/18
17	10240717i-17	il7chlor,42e,,pp 11691	L0.5			PEG 7/18
18	10240717i-18	il8chlor,42e,,pp 11690	L1.0			PEG 7/18
19	10240717i-19	il9chlor,42e,,pp 11689	L2.0			PEG 7/18
20	10240717i-20	il10chlor,42e,,pp 11688	L5.0			PEG 7/18
21	10240717i-21	cicvchlor,42e,,pp 11670	L1.0ICV			PEG 7/18
22	10240717i-22	il3tox,42e,,pp 11699	L0.02	rr		
23	10240717i-23	il4tox,42e,,pp 11698	L0.1	rr		
24	10240717i-24	il7tox,42e,,pp 11697	L1.0	rr		
25	10240717i-25	il8tox,42e,,pp 11696	L2.0	rr		
26	10240717i-26	il9tox,42e,,pp 11695	L5.0	rr		
27	10240717i-27	cicvtox,42e,,pp 11668	L2.0ICV	rr		
28	10240717i-28	blank,42e,,pp 11660	-			
29	10240717i-29	pem-02,42e,,pp 11667	-			PEG 7/19
30	10240717i-30	il3tox,42e,,pp 11703	L0.02			PEG 7/19
31	10240717i-31	il4tox,42e,,pp 11702	L0.1			PEG 7/19
32	10240717i-32	il7tox,42e,,pp 11701	L1.0			PEG 7/19
33	10240717i-33	il8tox,42e,,pp 11700	L2.0			PEG 7/19
34	10240717i-34	il9tox,42e,,pp 11695	L5.0			PEG 7/19
35	10240717i-35	cicvtox,42e,,pp 11668	L2.0ICV			PEG 7/19

Dep.: PEST
Inst: PEST_10
Date: **08/28/24**
Run: a

Method
GC: pest

Seq: wg1964824
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	10240828a-01	blank				
2	10240828a-02	deg11573 6:44				AKM 8/28
3	10240828a-03	pest11675 a: alachlor high				AKM 8/28
4	10240828a-04	chlor11670 high				AKM 8/28
5	10240828a-05	tox11668 a: high, b: 15%				AKM 8/28
6	10240828a-06	blank				
7	10240828a-07	WG1964724-1,42,, t	t 27-aug-24 00:02			MMG 8/28
8	10240828a-08	WG1964724-2,42,, t	t 27-aug-24 00:02			MMG 8/28
9	10240828a-09	WG1964724-3,42,, t	t 27-aug-24 00:02			MMG 8/28
10	10240828a-10	L2448369-09,42,,,R3C t	t 27-aug-24 00:02			MMG 8/28
11	10240828a-11	L2448369-10,42,,,R3C t	t 27-aug-24 00:02			MMG 8/28
12	10240828a-12	L2447844-01,42,,				MMG 8/28
13	10240828a-13	L2447844-02,42,,				MMG 8/28
14	10240828a-14	L2447844-03,42,,				MMG 8/28
15	10240828a-15	L2447970-10,42,,				MMG 8/28
16	10240828a-16	WG1964505-1,42,, 504 t	t 24-aug-24 19:03			MMG 8/28
17	10240828a-17	WG1964505-2,42,, 504 t	t 24-aug-24 19:03			MMG 8/28
18	10240828a-18	WG1964505-3,42,, 504 t	t 24-aug-24 19:03			MMG 8/28
19	10240828a-19	L2447840-06,42,, t	t 25-aug-24 23:42			MMG 8/28
20	10240828a-20	L2447697-01,42,, t	t 25-aug-24 23:42			MMG 8/28
21	10240828a-21	L2447697-02,42,, t	t 25-aug-24 23:42			MMG 8/28
22	10240828a-22	L2447697-03,42,, t	t 25-aug-24 23:42			MMG 8/28
23	10240828a-23	L2447697-04,42,, t	t 25-aug-24 23:42			MMG 8/28
24	10240828a-24	L2447697-05,42,, t	t 25-aug-24 23:42			MMG 8/28
25	10240828a-25	L2447697-06,42,, t	t 25-aug-24 23:42			MMG 8/28
26	10240828a-26	L2447697-07,42,, t	t 25-aug-24 23:42			MMG 8/28
27	10240828a-27	L2447697-08,42,, t	t 25-aug-24 23:42			MMG 8/28
28	10240828a-28	WG1964642-1,42,,				MMG 8/28
29	10240828a-29	WG1964642-2,42,,				MMG 8/28
30	10240828a-30	WG1964642-3,42,,				MMG 8/28
31	10240828a-31	L2447890-01,42,, re				MMG 8/28
32	10240828a-32	L2447890-02,42,, re				MMG 8/28
33	10240828a-33	L2447890-03,42,, re p				MMG 8/28
34	10240828a-34	WG1964642-4,42,, ms				MMG 8/28
35	10240828a-35	WG1964642-5,42,, msd				MMG 8/28
36	10240828a-36	L2447890-04,42,, re				MMG 8/28
37	10240828a-37	L2447890-06,42,, re				MMG 8/28
38	10240828a-38	pest11675 a: alachlor high				JAG 8/28
39	10240828a-39	chlor11670 15%			akm	JAG 8/28
40	10240828a-40	L2445598-02,42,, t	t 25-aug-24 23:42		akm	EMR 8/28
41	10240828a-41	blank				
42	10240828a-42	L2447890-05,42,, re				EMR 8/28
43	10240828a-43	L2447890-07,42,, re				EMR 8/28
44	10240828a-44	L2447890-08,42,, re				EMR 8/28

Dep.: PEST
Inst: PEST_10
Date: **08/28/24**
Run: a

Method
GC: pest

Seq: wg1964824
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	10240828a-45	L2447890-09,42,, re				EMR 8/28
46	10240828a-46	L2447890-10,42,, re				EMR 8/28
47	10240828a-47	L2447890-11,42,, re				EMR 8/28
48	10240828a-48	L2447890-12,42,, re				EMR 8/28
49	10240828a-49	L2447890-13,42,, re			jag	EMR 8/28
50	10240828a-50	L2448852-01,42,,,R1B	NOTS			EMR 8/28
51	10240828a-51	L2448852-02,42,,,R1B	NOTS			EMR 8/28
52	10240828a-52	L2447703-01,42,,			jag	EMR 8/28
53	10240828a-53	WG1959598-1,42,,				
54	10240828a-54	WG1959598-2,42,,				
55	10240828a-55	WG1959598-3,42,,				
56	10240828a-56	L2449050-07,42,,				
57	10240828a-57	WG1965114-1,42,,				
58	10240828a-58	WG1965114-2,42,,				
59	10240828a-59	WG1965114-3,42,,				
60	10240828a-60	L2449050-02,42,,				
61	10240828a-61	WG1960418-1,42,,				
62	10240828a-62	WG1960418-2,42,,				
63	10240828a-63	WG1960418-3,42,,				
64	10240828a-64	L2449050-03,42,, p				
65	10240828a-65	WG1960418-4,42,, ms				
66	10240828a-66	WG1960418-5,42,, dup			jag	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 05:57 pm

Work Group: WG1964642 for Department: 2 Organic Preparation

Created: 27-AUG-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447890-01	MW-3A	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-02	MW-6A	S	NYTCL-8081	WATER	DONE	U	0827	0828	S0	Amber-A.120
L2447890-03	MW-6B	S	NYTCL-8081	WATER	DONE	U	0827	0828	S0	Amber-A.120
L2447890-04	MW-6C	S	NYTCL-8081	WATER	DONE	U	0827	0828	S0	Amber-A.120
L2447890-05	MW-7A	S	NYTCL-8081	WATER	DONE	U	0827	0828	S0	Amber-A.120
L2447890-06	MW-7B	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-07	MW-7C	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-08	MW-8A	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-09	MW-8B	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-10	MW-8C2	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-11	MW-9B	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-12	DUP	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
L2447890-13	FIELD BLANK	S	NYTCL-8081	WATER	DONE	U	0828	0828	S0	Amber-A.120
WG1964642-1	Laboratory Method Bl	S	NYTCL-8081	WATER	DONE	U				
WG1964642-2	Laboratory Control S	S	NYTCL-8081	WATER	DONE	U				
WG1964642-3	LCS Duplicate	S	NYTCL-8081	WATER	DONE	U				
WG1964642-4	Matrix Spike	S	NYTCL-8081	WATER	DONE	U				
WG1964642-5	Matrix Spike Duplica	S	NYTCL-8081	WATER	DONE	U				

Comments:

WG1964642-3	WG1964642-2
WG1964642-4	L2447890-03
WG1964642-5	L2447890-03

ORGANIC ELN REPORT

Workgroup: WG1964642

Prep Method: EPA 3510C
Solvent Type: DCM — **Lot #:** EJ049
Surrogate Type: Pesticide/PCB — **Lot #:** PP11723ae,02/06/2025,7c,5,4
Spike Type: Pesticide — **Lot #:** PP11617-AY(12/17/24)
Spike Verify by: YDA
Lims Spikelot: PEST_LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI962

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447890-01 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-02 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-03 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-04 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-05 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-06 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1

Reported: 28-AUG-24 05:57 PM

ORGANIC ELN REPORT

Workgroup: WG1964642

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447890-07 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-08 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-09 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-10 SAMP	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-11 SAMP	08/27/24 19:52	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-12 SAMP	08/27/24 19:52	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
L2447890-13 SAMP	08/27/24 19:52	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
WG1964642-1 BLANK	08/27/24 19:34	Yaw Adu	140	>5,<9	.25		08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1

Reported: 28-AUG-24 05:57 PM

ORGANIC ELN REPORT

Workgroup: WG1964642

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1964642-2 LCS	08/27/24 19:34	Yaw Adu	140	>5,<9	.25	.25	08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
WG1964642-3 LCSD	08/27/24 19:34	Yaw Adu	140	>5,<9	.25	.25	08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
WG1964642-4 MS	08/27/24 19:34	Yaw Adu	140	>5,<9	.25	.25	08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1
WG1964642-5 MSD	08/27/24 19:34	Yaw Adu	140	>5,<9	.25	.25	08/28/24 01:44	Rabbi Kyei-Baffour	1	C / A / #1

PFAS via Draft Method 1633

Semivolatiles QC Summary

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-2	**Analysis Date** : 09/18/24 08:43	**File ID** : SCI05_240918_16.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	12.8	14.2	111				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	6.4	7.70	120				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	3.10	109				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	12.3	103				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.80	119				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.30	110				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	3.2	3.54	110				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.92	3.39	116				-	40-150	30
Perfluorooctanoic Acid (PFOA)	3.2	3.38	106				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	14.0	115				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.22	105				-	40-150	30
Perfluorononanoic Acid (PFNA)	3.2	3.73	116				-	40-150	30
Perfluorooctanesulfonic Acid	2.97	3.05	103				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-2	**Analysis Date** : 09/18/24 08:43	**File ID** : SCI05_240918_16.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
(PFOS)									
Perfluorodecanoic Acid (PFDA)	3.2	3.84	120				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	15.6	127				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	3.42	111				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	4.40	138				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	3.2	4.04	126				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	3.09	2.86	93				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.47	108				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	3.51	110				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	3.2	2.58	80				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	2.70	84				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-2	**Analysis Date** : 09/18/24 08:43	**File ID** : SCI05_240918_16.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	3.2	3.52	110				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	15.0	118				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	13.5	112				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	3.1	2.94	94				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	12	14.0	117				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	12.3	102				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	3.62	113				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	3.68	115				-	40-150	30
N-Methyl Perfluorooctanesulfonami	32	34.0	106				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience			**Lab Number**	: L2447890
Project Name	: RANCO MINE			**Project Number**	: 12123
Matrix (Level)	: WATER ()				
LCS Sample ID	: WG1972760-2	**Analysis Date**	: 09/18/24 08:43	**File ID**	: SCI05_240918_16.wiff
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamid o Ethanol (NEtFOSE)	32	34.1	107				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	7.02	110				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	6.23	97				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.7	6.23	109				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	7.35	115				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	19.3	120				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	87.1	109				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	48.6	61				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-3	**Analysis Date** : 09/18/24 08:55	**File ID** : SCI05_240918_17.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	80	97.6	122				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	40	54.6	137				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	17.7	20.2	114				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	77.2	103				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	20	26.6	133				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	22.8	121				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	20	24.6	123				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	22.4	122				-	40-150	30
Perfluorooctanoic Acid (PFOA)	20	22.7	113				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76	96.6	127				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	19.1	23.7	124				-	40-150	30
Perfluorononanoic Acid (PFNA)	20	25.8	129				-	40-150	30
Perfluorooctanesulfonic Acid	18.6	21.9	118				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-3	**Analysis Date** : 09/18/24 08:55	**File ID** : SCI05_240918_17.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	20	24.7	123				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	103	134				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	19.2	23.9	124				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	24.9	124				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	20	25.3	126				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	21.3	110				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	20	23.7	119				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	24.6	123				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	20	18.6	93				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	20	18.7	93				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-3	**Analysis Date** : 09/18/24 08:55	**File ID** : SCI05_240918_17.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorotetradecanoic Acid (PFTeDA)	20	23.6	118				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	100	126				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	90.7	120				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	20.7	106				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.8	95.8	128				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.6	82.4	109				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	22.6	113				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	24.9	125				-	40-150	30
N-Methyl Perfluorooctanesulfonami	200	224	112				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1972760-3	**Analysis Date** : 09/18/24 08:55	**File ID** : SCI05_240918_17.wiff
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	200	237	119				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	54.1	135				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	45.0	112				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.6	47.0	132				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	48.1	120				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	135	135				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	654	131				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	399	80				-	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447890-03	**Analysis Date**	: 09/18/24 09:46
Matrix Spike	: WG1972760-4	**MS Analysis Date**	: 09/18/24 09:59
Matrix Spike Dup	: WG1972760-5	**MSD Analysis Date**	: 09/18/24 10:12

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	2.91J	74.6	84.3	109	75	85.3	110	1	40-150	30
Perfluoropentanoic Acid (PFPeA)	1.23J	37.3	43.5	113	37.5	44.6	116	2	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	0.724J	16.6	18.4	107	16.6	19.2	111	4	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	70	69.5	99	70.3	71.2	101	2	40-150	30
Perfluorohexanoic Acid (PFHxA)	0.747J	18.6	19.5	101	18.8	20.4	105	5	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	17.6	18.7	107	17.6	19.1	108	2	40-150	30
Perfluoroheptanoic Acid (PFHpA)	0.762J	18.6	20.9	108	18.8	21.9	113	5	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	0.739J	17	18.8	106	17.1	19.0	107	1	40-150	30
Perfluorooctanoic Acid (PFOA)	5.15	18.6	24.0	101	18.8	24.5	103	2	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	70.9	80.1	113	71.3	82.1	115	2	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.8	20.8	117	17.9	22.1	124	6	40-150	30
Perfluorononanoic Acid (PFNA)	1.30J	18.6	23.2	117	18.8	22.4	113	4	40-150	30
Perfluorooctanesulfonic Acid (PFOS)	3.17	17.3	21.8	108	17.4	23.0	114	5	40-150	30
Perfluorodecanoic Acid (PFDA)	ND	18.6	20.1	108	18.8	21.1	113	5	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	71.6	89.5	125	72	85.7	119	4	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447890-03	**Analysis Date**	: 09/18/24 09:46
Matrix Spike	: WG1972760-4	**MS Analysis Date**	: 09/18/24 09:59
Matrix Spike Dup	: WG1972760-5	**MSD Analysis Date**	: 09/18/24 10:12

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
ic Acid (8:2FTS)										
Perfluorononanesulfonic Acid (PFNS)	ND	18	19.0	106	18	18.7	104	2	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.6	23.4	125	18.8	22.9	122	2	40-150	30
Perfluoroundecanoic Acid (PFUnA)	ND	18.6	21.0	113	18.8	20.6	110	2	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	ND	18	17.3	96	18.1	16.6	92	4	40-150	30
Perfluorooctanesulfonamide (PFOSA)	ND	18.6	20.3	109	18.8	20.4	109	0	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.6	21.5	115	18.8	21.4	114	0	40-150	30
Perfluorododecanoic Acid (PFDoA)	ND	18.6	15.2	82	18.8	13.7	73	10	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	ND	18.6	14.3	77	18.8	13.6	72	5	40-150	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.6	20.8	111	18.8	18.7	100	11	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	74.6	83.0	111	75	88.1	117	6	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	70.5	76.5	108	70.9	78.5	111	3	40-150	30
Perfluorododecanesulfonic Acid	ND	18.1	17.6	97	18.2	16.1	88	9	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447890-03	**Analysis Date**	: 09/18/24 09:46
Matrix Spike	: WG1972760-4	**MS Analysis Date**	: 09/18/24 09:59
Matrix Spike Dup	: WG1972760-5	**MSD Analysis Date**	: 09/18/24 10:12

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFDoS)										
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	69.8	75.6	108	70.1	73.7	105	3	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	70.5	64.5	91	70.9	57.6	81	11	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.6	21.1	113	18.8	20.8	111	1	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.6	20.4	109	18.8	20.7	110	1	40-150	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	186	187	100	188	185	99	1	40-150	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	186	188	101	188	192	102	2	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	37.3	55.2	148	37.5	55.8	149	1	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	37.3	40.2	108	37.5	41.2	110	2	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	33.2	36.0	108	33.4	36.5	109	1	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	37.3	45.0	121	37.5	44.6	119	1	40-150	30
3-Perfluoropropyl Propanoic Acid	ND	93.3	114	122	93.8	118	126	3	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Client Sample ID	: MW-6B	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447890-03	**Analysis Date**	: 09/18/24 09:46
Matrix Spike	: WG1972760-4	**MS Analysis Date**	: 09/18/24 09:59
Matrix Spike Dup	: WG1972760-5	**MSD Analysis Date**	: 09/18/24 10:12

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	466	493	106	469	516	110	5	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	466	335	72	469	350	75	4	40-150	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-3A (L2447890-01)	91	98	89	113	92	91	87
MW-6A (L2447890-02)	85	91	85	101	80	82	80
MW-6B (L2447890-03)	79	81	73	94	76	72	69
MW-9B (L2447890-11)	79	91	84	81	82	79	77
DUP (L2447890-12)	86	92	89	107	77	81	81
FIELD BLANK (L2447890-13)	70	81	69	72	69	72	71
WG1972760-1BLANK	81	97	80	86	88	85	78
WG1972760-2LCS	88	98	84	86	83	83	80
WG1972760-3LCS	90	99	88	87	81	87	85
MW-6BMS	88	81	90	115	76	74	85
MW-6BMSD	70	74	69	87	67	67	67

QC LIMITS

(41-123) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(29-123) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(41-125) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(10-290) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(40-121) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(27-156) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(46-115) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-3A (L2447890-01)	93	78	84	79	76	79	40
MW-6A (L2447890-02)	86	75	80	71	75	76	40
MW-6B (L2447890-03)	74	68	70	68	65	69	34
MW-9B (L2447890-11)	83	70	72	70	75	70	39
DUP (L2447890-12)	86	74	79	70	76	68	45
FIELD BLANK (L2447890-13)	74	63	61	58	61	57	28
WG1972760-1BLANK	88	72	79	70	74	65	30
WG1972760-2LCS	91	74	86	82	80	77	35
WG1972760-3LCS	90	78	82	81	86	81	42
MW-6BMS	86	79	79	79	86	86	45
MW-6BMSD	68	61	64	58	61	62	34

QC LIMITS

(39-121) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(10-261) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(38-114) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(32-114) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(28-115) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(10-213) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(10-172) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-3A (L2447890-01)	73	74	67	96	66	91	73
MW-6A (L2447890-02)	71	69	59	84	59	88	69
MW-6B (L2447890-03)	65	66	60	81	58	76	56
MW-9B (L2447890-11)	74	71	65	95	67	84	66
DUP (L2447890-12)	72	73	62	94	69	84	68
FIELD BLANK (L2447890-13)	54	59	45	67	46	75	54
WG1972760-1BLANK	70	71	55	87	61	89	58
WG1972760-2LCS	75	76	65	96	66	85	65
WG1972760-3LCS	85	82	71	105	77	92	73
MW-6BMS	85	80	69	105	73	77	75
MW-6BMSD	56	62	53	74	49	70	59

QC LIMITS

(16-123) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(14-108) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(10-150) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(10-126) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(10-145) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(35-142) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(11-94) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: RANCO MINE

Lab Number: L2447890
Project Number: 12123
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-3A (L2447890-01)	72	77	79	--	--	--	--	0
MW-6A (L2447890-02)	68	69	69	--	--	--	--	0
MW-6B (L2447890-03)	62	69	71	--	--	--	--	0
MW-9B (L2447890-11)	67	72	78	--	--	--	--	0
DUP (L2447890-12)	68	73	75	--	--	--	--	0
FIELD BLANK (L2447890-13)	54	60	61	--	--	--	--	0
WG1972760-1BLANK	58	73	74	--	--	--	--	0
WG1972760-2LCS	62	73	75	--	--	--	--	0
WG1972760-3LCS	64	89	87	--	--	--	--	0
MW-6BMS	76	80	81	--	--	--	--	0
MW-6BMSD	60	59	58	--	--	--	--	0

QC LIMITS

(11-97) **S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)**

(10-137) **S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)**

(10-130) **S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)**

*** Values outside of QC limits**

FORM II A2-1633-DRAFT (Continued)

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab Sample ID	: WG1972760-1	**Lab File ID**	: SCI05_240918_15.wiff
Instrument ID	: LCMS05	**Extraction Date**	: 09/17/24
Matrix	: WATER	**Analysis Date**	: 09/18/24 08:30
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1972760-2LCS	WG1972760-2	09/18/24 08:43
WG1972760-3LCS	WG1972760-3	09/18/24 08:55
MW-3A	L2447890-01	09/18/24 09:21
MW-6A	L2447890-02	09/18/24 09:34
MW-6B	L2447890-03	09/18/24 09:46
MW-6BMS	WG1972760-4	09/18/24 09:59
MW-6BMSD	WG1972760-5	09/18/24 10:12
MW-9B	L2447890-11	09/18/24 10:25
DUP	L2447890-12	09/18/24 10:37
FIELD BLANK	L2447890-13	09/18/24 10:50

Method: EPA 1633
Matrix: Aqueous
SOP ID / Revision: 45852, Rev 1

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 3/2/22 - 3/4/22

EPA 1633, Aqueous Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	MDLb	MDL	ML
PFBA	ng/L	3.20	4.15	130%	0.325	7	3.143	1.02	N/A	1.02	4.0
PFPeA	ng/L	1.60	2.30	144%	0.272	7	3.143	0.855	N/A	0.855	4.0
PFHxA	ng/L	0.80	1.26	157%	0.151	7	3.143	0.475	N/A	0.475	2.0
PFHpA	ng/L	0.80	1.15	144%	0.102	7	3.143	0.320	N/A	0.320	2.0
PFOA	ng/L	0.80	1.06	133%	0.220	7	3.143	0.692	N/A	0.692	2.0
PFNA	ng/L	0.80	1.07	134%	0.159	7	3.143	0.500	N/A	0.500	2.0
PFDA	ng/L	0.80	1.04	130%	0.207	7	3.143	0.649	N/A	0.649	2.0
PFUnA	ng/L	0.80	1.20	150%	0.222	7	3.143	0.696	N/A	0.696	2.0
PFDoA	ng/L	0.80	1.26	157%	0.234	7	3.143	0.736	N/A	0.736	2.0
PFTrDA	ng/L	0.80	1.04	130%	0.190	7	3.143	0.599	N/A	0.599	2.0
PFTeDA	ng/L	0.80	1.29	161%	0.134	7	3.143	0.421	N/A	0.421	2.0
PFBS	ng/L	0.71	1.06	150%	0.171	7	3.143	0.538	N/A	0.538	2.0
PFPeS	ng/L	0.75	1.02	135%	0.089	7	3.143	0.280	N/A	0.280	2.0
PFHxS	ng/L	0.73	1.07	147%	0.121	7	3.143	0.380	N/A	0.380	2.0
PFHpS	ng/L	0.76	1.15	151%	0.137	7	3.143	0.432	N/A	0.432	2.0
PFOS	ng/L	0.74	1.20	162%	0.231	7	3.143	0.726	N/A	0.726	2.0
PFNS	ng/L	0.77	1.06	138%	0.158	7	3.143	0.497	N/A	0.497	2.0
PFDS	ng/L	0.77	1.05	136%	0.117	7	3.143	0.368	N/A	0.368	2.0
PFDoS	ng/L	0.78	1.10	141%	0.194	7	3.143	0.611	N/A	0.611	2.0
4:2FTS	ng/L	3.00	4.16	139%	0.533	7	3.143	1.67	N/A	1.67	8.0
6:2FTS	ng/L	3.04	4.61	152%	0.618	7	3.143	1.94	2.16	2.16	8.0
8:2FTS	ng/L	3.07	4.64	151%	0.792	7	3.143	2.49	N/A	2.49	10.0
PFOSA	ng/L	0.80	1.07	134%	0.137	7	3.143	0.432	N/A	0.432	2.0
NMeFOSA	ng/L	0.80	1.23	154%	0.221	7	3.143	0.694	N/A	0.694	2.0
NEtFOSA	ng/L	0.80	1.26	157%	0.234	7	3.143	0.736	N/A	0.736	2.0
NMeFOSAA	ng/L	0.80	1.49	186%	0.277	7	3.143	0.869	N/A	0.869	4.0
NEtFOSAA	ng/L	0.80	0.95	119%	0.275	7	3.143	0.864	N/A	0.864	4.0
NMeFOSE	ng/L	8.00	10.63	133%	1.20	7	3.143	3.76	N/A	3.76	16.0
NEtFOSE	ng/L	8.00	11.15	139%	0.623	7	3.143	1.96	N/A	1.96	8.0
HFPO-DA	ng/L	3.20	2.53	79%	0.284	7	3.143	0.893	N/A	0.893	4.0
ADONA	ng/L	3.02	2.14	71%	0.322	7	3.143	1.01	N/A	1.01	4.0
9Cl-PF3ONS	ng/L	2.99	2.13	71%	0.420	7	3.143	1.32	N/A	1.32	4.0
11Cl-PF3OUdS	ng/L	3.02	2.09	69%	0.419	7	3.143	1.32	N/A	1.32	4.0
3:3FTCA	ng/L	4.00	7.76	194%	0.839	7	3.143	2.64	N/A	2.64	10.0
5:3FTCA	ng/L	20.0	38.3	192%	2.98	7	3.143	9.36	N/A	9.36	40.0
7:3FTCA	ng/L	20.0	31.7	159%	2.01	7	3.143	6.31	N/A	6.31	20.0
PFEESA	ng/L	1.42	1.89	132%	0.112	7	3.143	0.351	N/A	0.351	2.0
PFMPA	ng/L	1.60	1.94	121%	0.144	7	3.143	0.452	N/A	0.452	2.0
PFMBA	ng/L	1.60	1.83	114%	0.134	7	3.143	0.421	N/A	0.421	2.0
NFDHA	ng/L	1.60	1.91	119%	0.601	7	3.143	1.89	N/A	1.89	8.0

Comments:

Prep Method: EPA 1633
Initial Weight / Volume: 500 mL
Final Volume: 4 mL

QA Review: JRH
Approval Date:: 9/26/2022

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		WG1608884-1	WG1608884-2	WG1597410-5	WG1597410-6	WG1597410-7	WG1610804-1	WG1610804-2
Compound	**Units**	3/2/2022	3/2/2022	3/3/2022	3/3/2022	3/3/2022	3/4/2022	3/4/2022
PFBA	ng/L	3.84	3.76	4.48	4.40	4.56	4.00	4.00
PFPeA	ng/L	1.76	2.16	2.48	2.48	2.56	2.32	2.32
PFHxA	ng/L	1.12	1.20	1.44	1.44	1.28	1.04	1.28
PFHpA	ng/L	0.96	1.12	1.20	1.28	1.12	1.20	1.20
PFOA	ng/L	0.96	1.20	1.12	1.20	1.36	0.88	0.72
PFNA	ng/L	0.88	0.88	1.20	1.20	1.28	1.04	1.04
PFDA	ng/L	0.88	0.88	1.20	1.44	0.96	0.96	0.96
PFUnA	ng/L	1.04	1.20	1.12	1.68	1.20	1.04	1.12
PFDoA	ng/L	0.88	1.20	1.52	1.44	1.44	1.04	1.28
PFTrDA	ng/L	0.96	0.88	1.20	1.20	1.20	1.12	0.72
PFTeDA	ng/L	1.20	1.12	1.36	1.28	1.20	1.36	1.52
PFBS	ng/L	1.12	1.12	1.04	0.96	1.36	0.80	1.04
PFPeS	ng/L	0.96	1.04	0.96	1.12	1.12	0.88	1.04
PFHxS	ng/L	1.04	1.04	0.96	1.28	1.04	0.96	1.20
PFHpS	ng/L	0.96	1.12	1.28	1.36	1.12	1.20	1.04
PFOS	ng/L	0.96	1.12	1.12	1.60	1.28	0.96	1.36
PFNS	ng/L	0.88	0.88	1.12	1.12	1.20	0.96	1.28
PFDS	ng/L	0.96	1.04	0.96	1.12	1.28	0.96	1.04
PFDoS	ng/L	0.96	1.20	1.04	1.28	1.36	1.04	0.80
4:2FTS	ng/L	3.36	3.92	4.88	4.56	4.56	3.76	4.08
6:2FTS	ng/L	4.00	3.92	4.64	5.76	4.88	4.40	4.64
8:2FTS	ng/L	3.92	3.84	5.76	4.24	5.68	4.72	4.32
PFOSA	ng/L	0.88	0.96	1.12	1.20	1.20	1.20	0.96
NMeFOSA	ng/L	1.12	1.04	1.28	1.28	1.68	1.20	1.04
NEtFOSA	ng/L	0.88	1.12	1.52	1.12	1.28	1.52	1.36
NMeFOSAA	ng/L	1.12	1.28	1.28	1.68	1.76	1.84	1.44
NEtFOSAA	ng/L	1.04	1.28	1.20	1.12	0.64	0.64	0.72
NMeFOSE	ng/L	9.28	9.76	11.52	10.48	12.32	11.60	9.44
NEtFOSE	ng/L	10.24	10.72	11.36	11.68	12.08	10.80	11.20
HFPO-DA	ng/L	2.96	2.80	2.24	2.16	2.48	2.56	2.48
ADONA	ng/L	2.48	2.40	1.84	1.76	1.84	2.48	2.16
9Cl-PF3ONS	ng/L	2.56	2.64	1.76	1.68	1.68	2.40	2.16
11Cl-PF3OUdS	ng/L	2.64	2.48	1.84	1.68	1.52	2.24	2.24
3:3FTCA	ng/L	6.24	8.32	7.44	8.80	7.92	7.36	8.24
5:3FTCA	ng/L	34.08	35.68	42.80	41.04	38.32	38.80	37.60
7:3FTCA	ng/L	29.44	33.20	30.40	30.24	32.40	35.20	31.20
PFEESA	ng/L	1.92	2.00	1.84	1.84	1.68	1.92	2.00
PFMPA	ng/L	1.68	1.84	2.08	2.00	1.92	2.00	2.08
PFMBA	ng/L	1.60	1.76	1.84	2.00	1.92	1.76	1.92
NFDHA	ng/L	1.76	1.44	2.24	2.80	2.48	1.28	1.36

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous Compound	Units	Mean (x)	Standard Deviation (S)	Number of Blanks	Student-t Value (t)	x + S * t	Highest Value	99th Percentile	MDLb	ML	Comments
PFBA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
PFPeA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
PFHxA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHpA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFOA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFNA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFUnA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDoA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFTrDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFTeDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFBS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFPeS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHxS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHpS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFOS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFNS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDoS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
4:2FTS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	
6:2FTS	ng/L	1.093	0.927	7	3.143	N/A	2.16	N/A	2.16	4.0	
8:2FTS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5.0	
FOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NMeFOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NEtFOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NMeFOSAA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
NEtFOSAA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
NMeFOSE	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	8.0	
NEtFOSE	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	
HFPO-DA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
ADONA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
9Cl-PF3ONS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
11Cl-PF3OUdS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
3:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5.0	
5:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	20.0	
7:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	10.0	
PFEESA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFMPA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFMBA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NFDHA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	

Comments: _____

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		L2205090-06	L2205090-07	L2205090-03	L2205090-04	L2205090-05	L2205090-08	L2205090-09
Compound	**Units**	3/2/2022	3/2/2022	3/3/2022	3/3/2022	3/3/2022	3/4/2022	3/4/2022
PFBA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFPeA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHxA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHpA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFOA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFNA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFUnA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDoA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFTrDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFBS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFPeS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHxS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHpS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFOS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFNS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDoS	ng/L	ND	ND	ND	ND	ND	ND	ND
4:2FTS	ng/L	ND	ND	ND	ND	ND	ND	ND
6:2FTS	ng/L	2.16	0.64	0.48	ND	ND	ND	ND
8:2FTS	ng/L	ND	ND	ND	ND	ND	ND	ND
FOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSAA	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSAA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSE	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSE	ng/L	ND	ND	ND	ND	ND	ND	ND
HFPO-DA	ng/L	ND	ND	ND	ND	ND	ND	ND
ADONA	ng/L	ND	ND	ND	ND	ND	ND	ND
9Cl-PF3ONS	ng/L	ND	ND	ND	ND	ND	ND	ND
11Cl-PF3OUdS	ng/L	ND	ND	ND	ND	ND	ND	ND
3:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
5:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
7:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFEESA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFMPA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFMBA	ng/L	ND	ND	ND	ND	ND	ND	ND
NFDHA	ng/L	ND	ND	ND	ND	ND	ND	ND

Prep Method: EPA 1633
Initial Weight / Volume: 500 mL
Final Volume: 4 mL

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil Compound	Units	Mean (x)	Standard Deviation (S)	Number of Blanks	Student-t Value (t)	x + S * t	Highest Value	99th Percentile	MDLb	RL	Comments
PFBA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
PFPeA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFHxA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHpA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFOA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFNA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFUnA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDoA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFTrDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFTeDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFBS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFPeS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHxS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHpS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFOS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFNS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDoS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
4:2FTS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
6:2FTS	ng/g	0.163	0.046	7	3.143	N/A	0.22	N/A	0.22	0.8	
8:2FTS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
PFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NMeFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.10	N/A	0.10	0.2	
NEtFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.10	N/A	0.10	0.2	
NMeFOSAA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NEtFOSAA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NMeFOSE	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2	
NEtFOSE	ng/g	N/A	N/A	7	3.143	N/A	0.03	N/A	0.03	2	
HFPO-DA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
ADONA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
9Cl-PF3ONS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
11Cl-PF3OUdS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
3:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1	
5:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5	
7:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5	
PFEESA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFMPA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFMBA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
NFDHA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	

Comments: _____

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		L2205100-03	L2205100-04	L2205100-05	L2205100-06	L2205100-07	L2205100-08	L2205100-09
Compound	**Units**	4/1/2022	4/1/2022	4/1/2022	4/4/2022	4/4/2022	4/6/2022	4/6/2022
PFBA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFPeA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHxA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHpA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFNA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFUnA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDoA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFTrDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFBS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFPeS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHxS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHpS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFNS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDoS	ng/g	ND	ND	ND	ND	ND	ND	ND
4:2FTS	ng/g	ND	ND	ND	ND	ND	ND	ND
6:2FTS	ng/g	0.146	0.127	0.215	ND	ND	ND	ND
8:2FTS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOSA	ng/g	ND	ND	ND	ND	ND	ND	ND
NMeFOSA	ng/g	ND	ND	ND	ND	ND	0.104	0.104
NEtFOSA	ng/g	ND	ND	ND	0.088	0.064	0.104	0.064
NMeFOSAA	ng/g	ND	ND	ND	ND	ND	ND	ND
NEtFOSAA	ng/g	ND	ND	ND	ND	ND	ND	ND
NMeFOSE	ng/g	ND	ND	ND	ND	ND	ND	ND
NEtFOSE	ng/g	ND	ND	0.032	ND	ND	ND	ND
HFPO-DA	ng/g	ND	ND	ND	ND	ND	ND	ND
ADONA	ng/g	ND	ND	ND	ND	ND	ND	ND
9Cl-PF3ONS	ng/g	ND	ND	ND	ND	ND	ND	ND
11Cl-PF3OUdS	ng/g	ND	ND	ND	ND	ND	ND	ND
3:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
5:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
7:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFEESA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFMPA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFMBA	ng/g	ND	ND	ND	ND	ND	ND	ND
NFDHA	ng/g	ND	ND	ND	ND	ND	ND	ND

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	MDLb	MDL	RL
PFBA	ng/g	0.320	0.341	106%	0.016	7	3.143	0.051	N/A	0.051	0.8
PFPeA	ng/g	0.160	0.178	111%	0.017	7	3.143	0.054	N/A	0.054	0.4
PFHxA	ng/g	0.080	0.101	126%	0.015	7	3.143	0.047	N/A	0.047	0.2
PFHpA	ng/g	0.080	0.094	118%	0.007	7	3.143	0.024	N/A	0.024	0.2
PFOA	ng/g	0.080	0.111	139%	0.016	7	3.143	0.050	N/A	0.050	0.2
PFNA	ng/g	0.080	0.109	136%	0.025	7	3.143	0.079	N/A	0.079	0.2
PFDA	ng/g	0.080	0.108	135%	0.023	7	3.143	0.072	N/A	0.072	0.2
PFUnA	ng/g	0.080	0.082	102%	0.016	7	3.143	0.052	N/A	0.052	0.2
PFDoA	ng/g	0.080	0.093	116%	0.012	7	3.143	0.039	N/A	0.039	0.2
PFTrDA	ng/g	0.080	0.081	101%	0.017	7	3.143	0.053	N/A	0.053	0.2
PFTeDA	ng/g	0.080	0.100	125%	0.033	7	3.143	0.105	N/A	0.105	0.2
PFBS	ng/g	0.071	0.078	109%	0.013	7	3.143	0.040	N/A	0.040	0.2
PFPeS	ng/g	0.075	0.086	114%	0.007	7	3.143	0.022	N/A	0.022	0.2
PFHxS	ng/g	0.073	0.098	133%	0.018	7	3.143	0.057	N/A	0.057	0.2
PFHpS	ng/g	0.076	0.090	118%	0.012	7	3.143	0.037	N/A	0.037	0.2
PFOS	ng/g	0.074	0.122	164%	0.024	7	3.143	0.076	N/A	0.076	0.2
PFNS	ng/g	0.077	0.078	101%	0.014	7	3.143	0.045	N/A	0.045	0.2
PFDS	ng/g	0.077	0.088	113%	0.010	7	3.143	0.032	N/A	0.032	0.2
PFDoS	ng/g	0.078	0.075	97%	0.011	7	3.143	0.034	N/A	0.034	0.2
4:2FTS	ng/g	0.300	0.353	118%	0.026	7	3.143	0.080	N/A	0.08	0.8
6:2FTS	ng/g	0.304	0.421	138%	0.065	7	3.143	0.203	0.28	0.28	0.8
8:2FTS	ng/g	0.307	0.412	134%	0.123	7	3.143	0.387	N/A	0.39	0.8
PFOSA	ng/g	0.080	0.092	116%	0.013	7	3.143	0.040	N/A	0.040	0.2
NMeFOSA	ng/g	0.080	0.106	132%	0.021	7	3.143	0.065	0.10	0.104	0.2
NEtFOSA	ng/g	0.080	0.131	163%	0.035	7	3.143	0.111	0.10	0.111	0.2
NMeFOSAA	ng/g	0.080	0.097	122%	0.031	7	3.143	0.098	N/A	0.098	0.2
NEtFOSAA	ng/g	0.080	0.090	113%	0.026	7	3.143	0.081	N/A	0.081	0.2
NMeFOSE	ng/g	0.800	0.888	111%	0.079	7	3.143	0.248	N/A	0.25	2
NEtFOSE	ng/g	0.800	0.950	119%	0.163	7	3.143	0.513	0.03	0.51	2
HFPO-DA	ng/g	0.320	0.368	115%	0.030	7	3.143	0.095	N/A	0.095	0.8
ADONA	ng/g	0.302	0.394	130%	0.047	7	3.143	0.146	N/A	0.146	0.8
9Cl-PF3ONS	ng/g	0.299	0.360	120%	0.062	7	3.143	0.194	N/A	0.194	0.8
11Cl-PF3OUdS	ng/g	0.302	0.369	122%	0.054	7	3.143	0.170	N/A	0.170	0.8
3:3FTCA	ng/g	0.400	0.382	95%	0.047	7	3.143	0.148	N/A	0.15	1
5:3FTCA	ng/g	2.000	1.85	93%	0.161	7	3.143	0.506	N/A	0.51	5
7:3FTCA	ng/g	2.000	1.96	98%	0.560	7	3.143	1.76	N/A	1.76	5
PFEESA	ng/g	0.142	0.183	129%	0.027	7	3.143	0.086	N/A	0.086	0.4
PFMPA	ng/g	0.160	0.173	108%	0.012	7	3.143	0.038	N/A	0.038	0.4
PFMBA	ng/g	0.160	0.166	104%	0.010	7	3.143	0.032	N/A	0.032	0.4
NFDHA	ng/g	0.160	0.169	106%	0.030	7	3.143	0.096	N/A	0.096	0.4

Comments: _____

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		WG1620579-1	WG1620579-2	WG1620579-3	WG1621903-1	WG1621903-2	WG1621922-1	WG1621922-2
Compound	**Units**	4/1/2022	4/1/2022	4/1/2022	4/4/2022	4/4/2022	4/6/2022	4/6/2022
PFBA	ng/g	0.35	0.31	0.33	0.36	0.35	0.34	0.34
PFPeA	ng/g	0.18	0.16	0.17	0.17	0.16	0.21	0.19
PFHxA	ng/g	0.09	0.09	0.11	0.09	0.10	0.10	0.13
PFHpA	ng/g	0.09	0.09	0.09	0.10	0.10	0.09	0.10
PFOA	ng/g	0.13	0.10	0.12	0.14	0.11	0.10	0.10
PFNA	ng/g	0.12	0.09	0.09	0.10	0.10	0.11	0.16
PFDA	ng/g	0.09	0.12	0.07	0.13	0.12	0.11	0.12
PFUnA	ng/g	0.08	0.08	0.06	0.06	0.08	0.09	0.11
PFDoA	ng/g	0.10	0.10	0.07	0.11	0.10	0.08	0.10
PFTrDA	ng/g	0.07	0.08	0.08	0.06	0.11	0.07	0.10
PFTeDA	ng/g	0.09	0.06	0.08	0.11	0.09	0.10	0.17
PFBS	ng/g	0.09	0.07	0.07	0.09	0.07	0.09	0.06
PFPeS	ng/g	0.09	0.08	0.08	0.08	0.10	0.09	0.09
PFHxS	ng/g	0.12	0.08	0.08	0.12	0.10	0.10	0.09
PFHpS	ng/g	0.09	0.09	0.08	0.10	0.08	0.08	0.11
PFOS	ng/g	0.13	0.12	0.07	0.14	0.12	0.12	0.15
PFNS	ng/g	0.07	0.08	0.05	0.09	0.09	0.07	0.10
PFDS	ng/g	0.08	0.08	0.07	0.09	0.10	0.09	0.10
PFDoS	ng/g	0.08	0.06	0.07	0.09	0.08	0.06	0.08
4:2FTS	ng/g	0.36	0.32	0.33	0.36	0.35	0.35	0.40
6:2FTS	ng/g	0.47	0.46	0.52	0.37	0.35	0.36	0.42
8:2FTS	ng/g	0.66	0.39	0.32	0.46	0.40	0.33	0.32
PFOSA	ng/g	0.11	0.08	0.08	0.10	0.10	0.09	0.10
NMeFOSA	ng/g	0.12	0.08	0.08	0.14	0.11	0.11	0.10
NEtFOSA	ng/g	0.11	0.11	0.10	0.20	0.12	0.15	0.13
NMeFOSAA	ng/g	0.16	0.10	0.07	0.09	0.11	0.06	0.09
NEtFOSAA	ng/g	0.10	0.08	0.09	0.04	0.11	0.12	0.09
NMeFOSE	ng/g	0.82	0.83	0.79	0.92	0.98	1.00	0.87
NEtFOSE	ng/g	0.88	0.84	0.78	1.17	1.16	0.82	1.01
HFPO-DA	ng/g	0.35	0.32	0.40	0.36	0.36	0.40	0.38
ADONA	ng/g	0.39	0.39	0.40	0.43	0.46	0.36	0.32
9Cl-PF3ONS	ng/g	0.31	0.34	0.31	0.45	0.45	0.34	0.32
11Cl-PF3OUdS	ng/g	0.33	0.32	0.32	0.44	0.45	0.38	0.34
3:3FTCA	ng/g	0.32	0.35	0.46	0.42	0.35	0.39	0.38
5:3FTCA	ng/g	1.76	1.63	1.70	1.91	1.89	2.06	2.02
7:3FTCA	ng/g	1.58	1.64	1.44	1.65	1.90	2.81	2.70
PFEESA	ng/g	0.16	0.16	0.17	0.23	0.21	0.18	0.17
PFMPA	ng/g	0.18	0.15	0.18	0.18	0.18	0.17	0.16
PFMBA	ng/g	0.16	0.15	0.18	0.18	0.16	0.18	0.16
NFDHA	ng/g	0.14	0.16	0.14	0.19	0.14	0.20	0.21

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:21
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_19	**Analyst**	: AC
Sample Amount	: 527.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.07	0.970	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.03	0.811	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.52	0.508	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.07	1.58	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.52	0.447	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.265	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.52	0.303	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.52	0.364	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.52	0.660	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.07	2.05	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.409	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.52	0.478	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.52	0.690	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.614	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.07	2.36	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.470	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.826	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.660	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:21
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_19	**Analyst**	: AC
Sample Amount	: 527.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.349	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.409	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.819	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.698	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.569	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.402	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.07	0.849	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.07	0.955	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.576	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.07	1.25	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.07	1.25	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.660	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.698	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.56	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-01	**Date Collected**	: 08/21/24 11:10
Client ID	: MW-3A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:21
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_19	**Analyst**	: AC
Sample Amount	: 527.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.86	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.03	0.432	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.03	0.402	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.03	0.334	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.03	1.79	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.58	2.50	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.9	8.87	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.9	5.98	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:34
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_20	**Analyst**	: AC
Sample Amount	: 526.06 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	2.71	6.08	0.973	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.99	3.04	0.814	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	1.01	1.52	0.509	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.08	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.68	1.52	0.449	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.266	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.24	1.52	0.304	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.738	1.52	0.365	J
335-67-1	Perfluorooctanoic Acid (PFOA)	3.85	1.52	0.662	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.08	2.05	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.410	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.06	1.52	0.479	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.74	1.52	0.692	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.935	1.52	0.616	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.08	2.36	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.471	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.829	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.662	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:34
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_20	**Analyst**	: AC
Sample Amount	: 526.06 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.350	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.410	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.821	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.700	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.570	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.403	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.08	0.852	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.08	0.958	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.578	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.08	1.25	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.08	1.25	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.662	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.700	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.57	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-02	**Date Collected**	: 08/20/24 16:40
Client ID	: MW-6A	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:34
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_20	**Analyst**	: AC
Sample Amount	: 526.06 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.86	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.433	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.403	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.334	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	1.79	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.60	2.51	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.0	8.90	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.0	6.00	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:46
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_21	**Analyst**	: AC
Sample Amount	: 535.63 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	2.91	5.97	0.956	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.23	2.99	0.799	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	0.724	1.49	0.500	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.97	1.56	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.747	1.49	0.441	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.49	0.261	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.762	1.49	0.299	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.739	1.49	0.358	J
335-67-1	Perfluorooctanoic Acid (PFOA)	5.15	1.49	0.650	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.97	2.02	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.49	0.403	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.30	1.49	0.470	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.17	1.49	0.680	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.49	0.605	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.97	2.32	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.49	0.463	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.49	0.814	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.49	0.650	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:46
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_21	**Analyst**	: AC
Sample Amount	: 535.63 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.49	0.344	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.49	0.403	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.49	0.806	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.49	0.687	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.49	0.560	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.49	0.396	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.97	0.836	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.97	0.941	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.49	0.568	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.97	1.23	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.97	1.23	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.49	0.650	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.49	0.687	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.9	3.51	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-03	**Date Collected**	: 08/20/24 14:55
Client ID	: MW-6B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 09:46
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_21	**Analyst**	: AC
Sample Amount	: 535.63 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.9	1.83	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.99	0.426	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.99	0.396	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.99	0.328	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.99	1.76	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.47	2.46	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.3	8.74	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.3	5.89	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:25
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_24	**Analyst**	: AC
Sample Amount	: 515.01 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	9.57	6.21	0.994	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.11	0.831	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.55	0.520	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.21	1.62	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.55	0.458	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.55	0.272	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.396	1.55	0.311	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.55	0.373	U
335-67-1	Perfluorooctanoic Acid (PFOA)	3.22	1.55	0.676	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.21	2.10	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.55	0.419	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.55	0.489	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.55	0.707	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.55	0.629	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.21	2.42	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.55	0.482	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.55	0.846	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.55	0.676	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:25
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_24	**Analyst**	: AC
Sample Amount	: 515.01 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.55	0.357	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.55	0.419	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.55	0.839	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.55	0.714	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.55	0.582	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.55	0.412	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.21	0.870	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.21	0.979	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.55	0.590	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.21	1.28	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.21	1.28	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.55	0.676	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.55	0.714	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.5	3.65	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-11	**Date Collected**	: 08/21/24 09:00
Client ID	: MW-9B	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:25
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_24	**Analyst**	: AC
Sample Amount	: 515.01 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.5	1.90	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.11	0.443	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.11	0.412	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.11	0.342	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.11	1.83	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.77	2.56	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.8	9.09	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.8	6.13	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:37
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_25	**Analyst**	: AC
Sample Amount	: 524.6 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	9.24	6.10	0.976	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.05	0.816	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.52	0.511	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.10	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.52	0.450	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.267	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.343	1.52	0.305	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.52	0.366	U
335-67-1	Perfluorooctanoic Acid (PFOA)	3.29	1.52	0.663	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.10	2.06	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.412	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.52	0.480	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.52	0.694	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.618	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.10	2.37	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.473	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.831	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.663	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:37
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_25	**Analyst**	: AC
Sample Amount	: 524.6 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.351	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.412	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.823	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.701	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.572	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.404	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.10	0.854	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.10	0.961	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.579	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.10	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.10	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.663	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.701	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.58	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-12	**Date Collected**	: 08/21/24 00:00
Client ID	: DUP	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:37
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_25	**Analyst**	: AC
Sample Amount	: 524.6 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.87	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.05	0.435	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.05	0.404	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.05	0.335	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.05	1.80	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.62	2.52	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.1	8.92	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.1	6.02	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:50
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_26	**Analyst**	: AC
Sample Amount	: 501.15 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.38	1.02	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.19	0.854	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.60	0.535	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.38	1.67	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.60	0.471	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.60	0.279	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.60	0.319	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.60	0.383	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.60	0.694	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.38	2.16	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.60	0.431	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.60	0.503	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.60	0.726	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.60	0.646	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.38	2.48	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.60	0.495	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.60	0.870	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.60	0.694	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:50
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_26	**Analyst**	: AC
Sample Amount	: 501.15 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.60	0.367	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.60	0.431	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.60	0.862	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.60	0.734	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.60	0.599	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.60	0.423	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.38	0.894	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.38	1.00	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.60	0.607	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.38	1.32	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.38	1.32	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.60	0.694	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.60	0.734	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.0	3.75	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: L2447890-13	**Date Collected**	: 08/21/24 09:30
Client ID	: FIELD BLANK	**Date Received**	: 08/21/24
Sample Location	: MANORVILLE, NY	**Date Analyzed**	: 09/18/24 10:50
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_26	**Analyst**	: AC
Sample Amount	: 501.15 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.0	1.96	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.19	0.455	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.19	0.423	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.19	0.351	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.19	1.88	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.98	2.63	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.9	9.34	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.9	6.30	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1972760-1	**Date Collected**	: NA
Client ID	: WG1972760-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/18/24 08:30
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.40	1.02	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.20	0.856	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.60	0.536	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.40	1.67	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.60	0.472	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.60	0.280	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.60	0.320	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.60	0.384	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.60	0.696	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.40	2.16	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.60	0.432	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.60	0.504	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.60	0.728	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.60	0.648	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.40	2.49	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.60	0.496	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.60	0.872	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.60	0.696	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1972760-1	**Date Collected**	: NA
Client ID	: WG1972760-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/18/24 08:30
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.60	0.368	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.60	0.432	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.60	0.864	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.60	0.736	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.60	0.600	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.60	0.424	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.40	0.896	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.40	1.01	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.60	0.608	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.40	1.32	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.40	1.32	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.60	0.696	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.60	0.736	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.0	3.76	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Lab ID	: WG1972760-1	**Date Collected**	: NA
Client ID	: WG1972760-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/18/24 08:30
Sample Matrix	: WATER	**Date Extracted**	: 09/17/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240918_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.0	1.96	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.20	0.456	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.20	0.424	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.20	0.352	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.20	1.89	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.00	2.64	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.0	9.36	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.0	6.31	U

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-01
Name: SCI05_240918_19.wiff
Date & Time: 2024-09-18T09:21:22
Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	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	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.84	217.0 / 172.0	2308697		9.073	NA	NA	NA	90.7

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	4.66	268.0 / 223.0	1437424		4.892	NA	NA	NA	97.8
13C5-PFHxA	EIS	5.35	318.0 / 273.0	883859		2.290	NA	NA	NA	91.6
13C4-PFHpA	EIS	6.26	367.0 / 322.0	880677		2.279	NA	NA	NA	91.2
13C8-PFOA	EIS	7.49	421.0 / 376.0	1292526		2.325	NA	NA	NA	93.0
13C9-PFNA	EIS	7.93	472.0 / 427.0	589626		1.047	NA	NA	NA	83.7
13C6-PFDA	EIS	8.15	519.0 / 474.0	520880		0.954	NA	NA	NA	76.3
13C7-PFUnA	EIS	8.42	570.0 / 525.0	403162		0.912	NA	NA	NA	73.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	345733		1.203	NA	NA	NA	96.2
	13C2-PFTeDA	EIS	9.86	715.1 / 670.1	256999		0.823	NA	NA	NA	65.9
	13C3-PFBS	EIS	5.33	302.1 / 80.1	679299		2.071	NA	NA	NA	88.9
	13C3-PFHxS	EIS	7.60	402.1 / 80.1	537943		2.065	NA	NA	NA	87.1
	13C8-PFOS	EIS	8.24	507.1 / 80.1	526370		1.901	NA	NA	NA	79.4
	13C2-4:2FTS	EIS	5.16	329.1 / 81.1	309768		5.293	NA	NA	NA	112.9
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	159648		3.722	NA	NA	NA	78.3
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	236996		3.776	NA	NA	NA	78.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.52	506.1 / 78.1	676597		1.838	NA	NA	NA	73.5
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	113227		1.827	NA	NA	NA	73.1
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	108228		1.788	NA	NA	NA	71.5
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	282204		2.014	NA	NA	NA	40.3
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	247720		3.364	NA	NA	NA	67.3
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	920192		19.226	NA	NA	NA	76.9
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1391249		19.715	NA	NA	NA	78.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.62	287.0 / 169.0	2316365		9.056	NA	NA	NA	90.6
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1113083		5.206	NA	NA	NA	104.1
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1146022		2.341	NA	NA	NA	93.6
	13C4-PFOA	NIS	7.49	417.0 / 372.0	727412		2.324	NA	NA	NA	92.9
	13C5-PFNA	NIS	7.93	468.0 / 423.0	686309		1.253	NA	NA	NA	100.2
	13C2-PFDA	NIS	8.15	515.1 / 470.1	641743		1.252	NA	NA	NA	100.2
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	529422		2.260	NA	NA	NA	95.4
	13C4-PFOS	NIS	8.24	503.1 / 80.1	489874		2.327	NA	NA	NA	97.1

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/18/2024 6:35:36 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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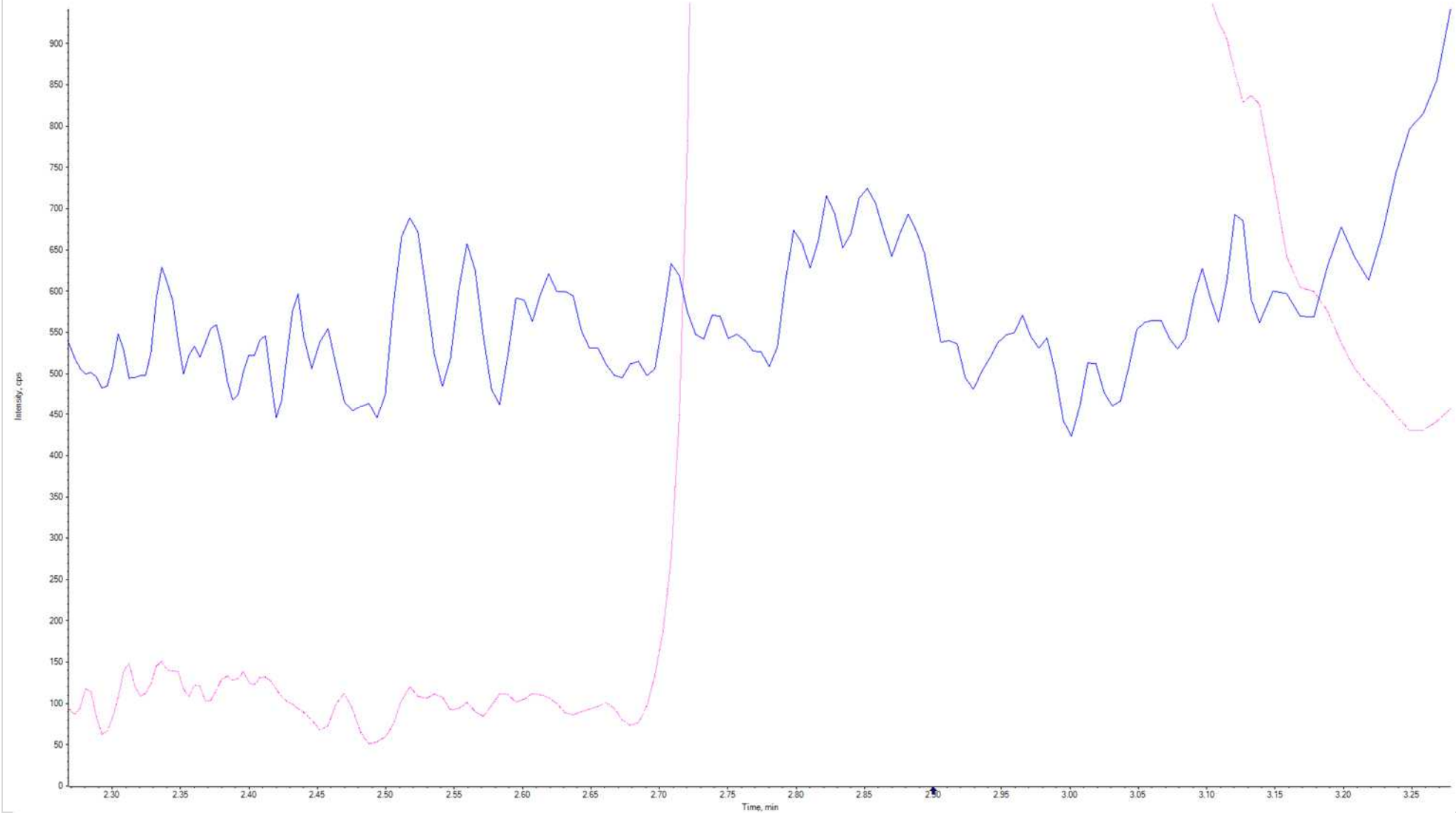
PFBA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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Last Altered: 9/18/2024 12:41:54 PM
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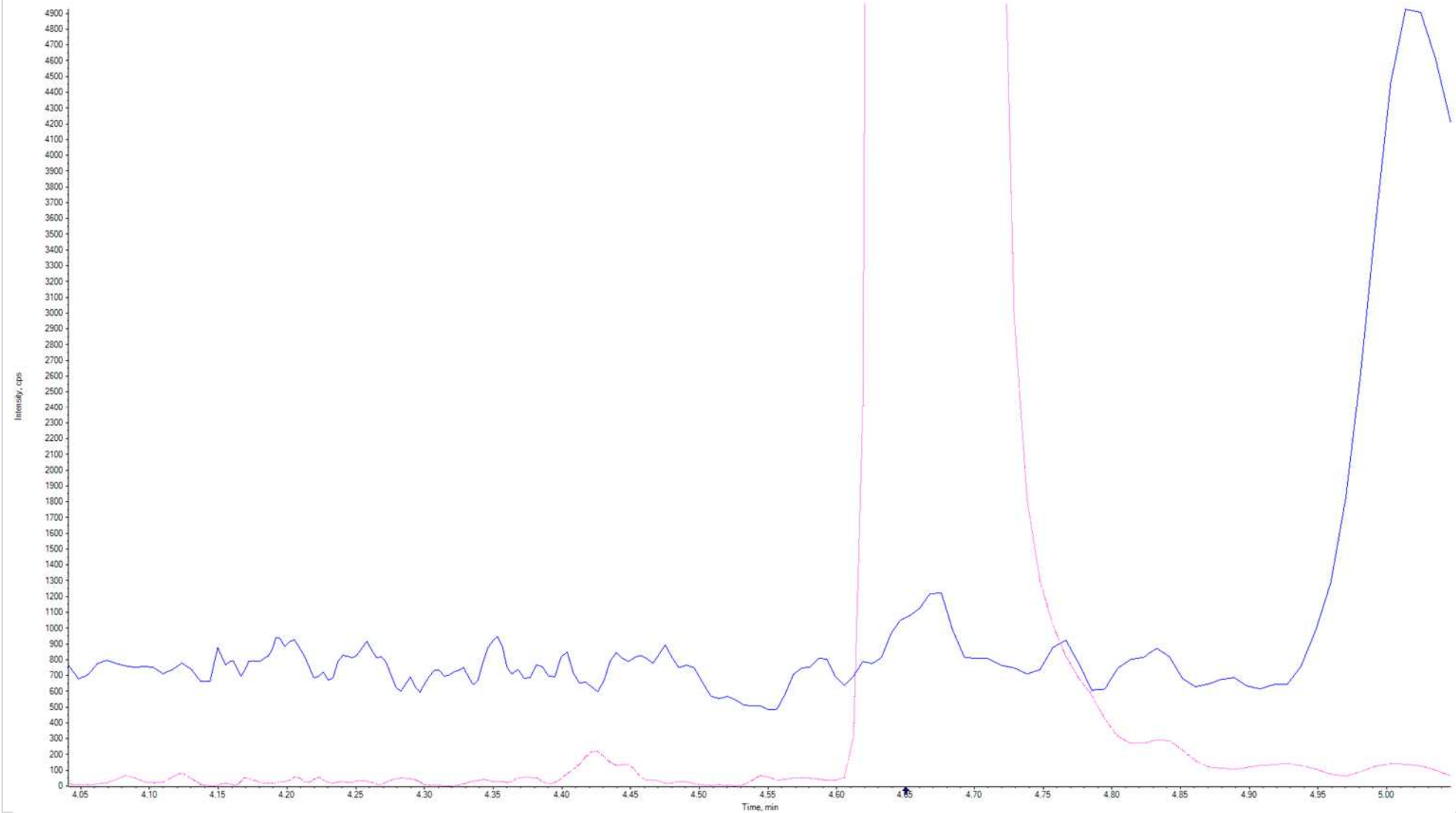
PFPeA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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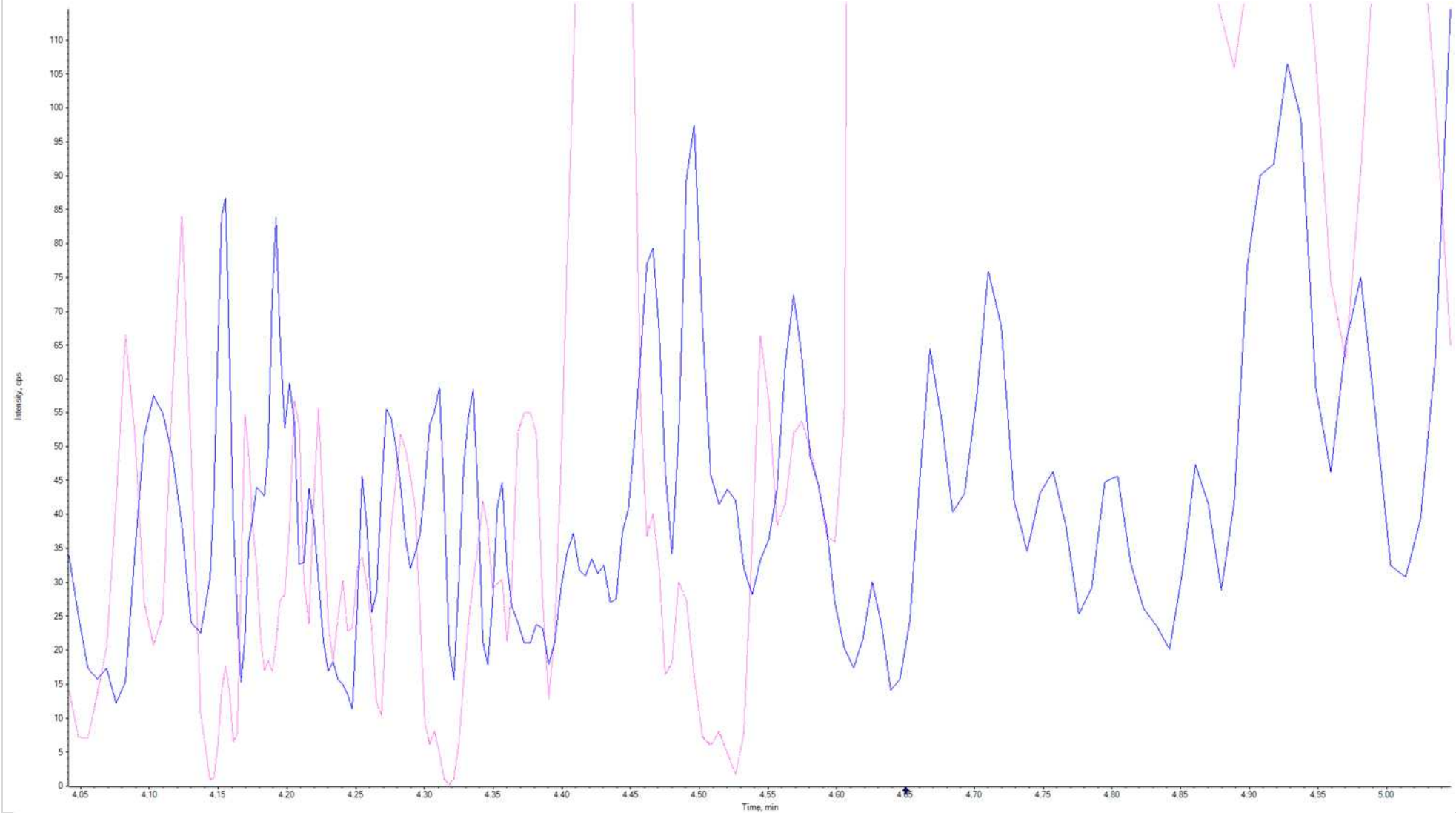
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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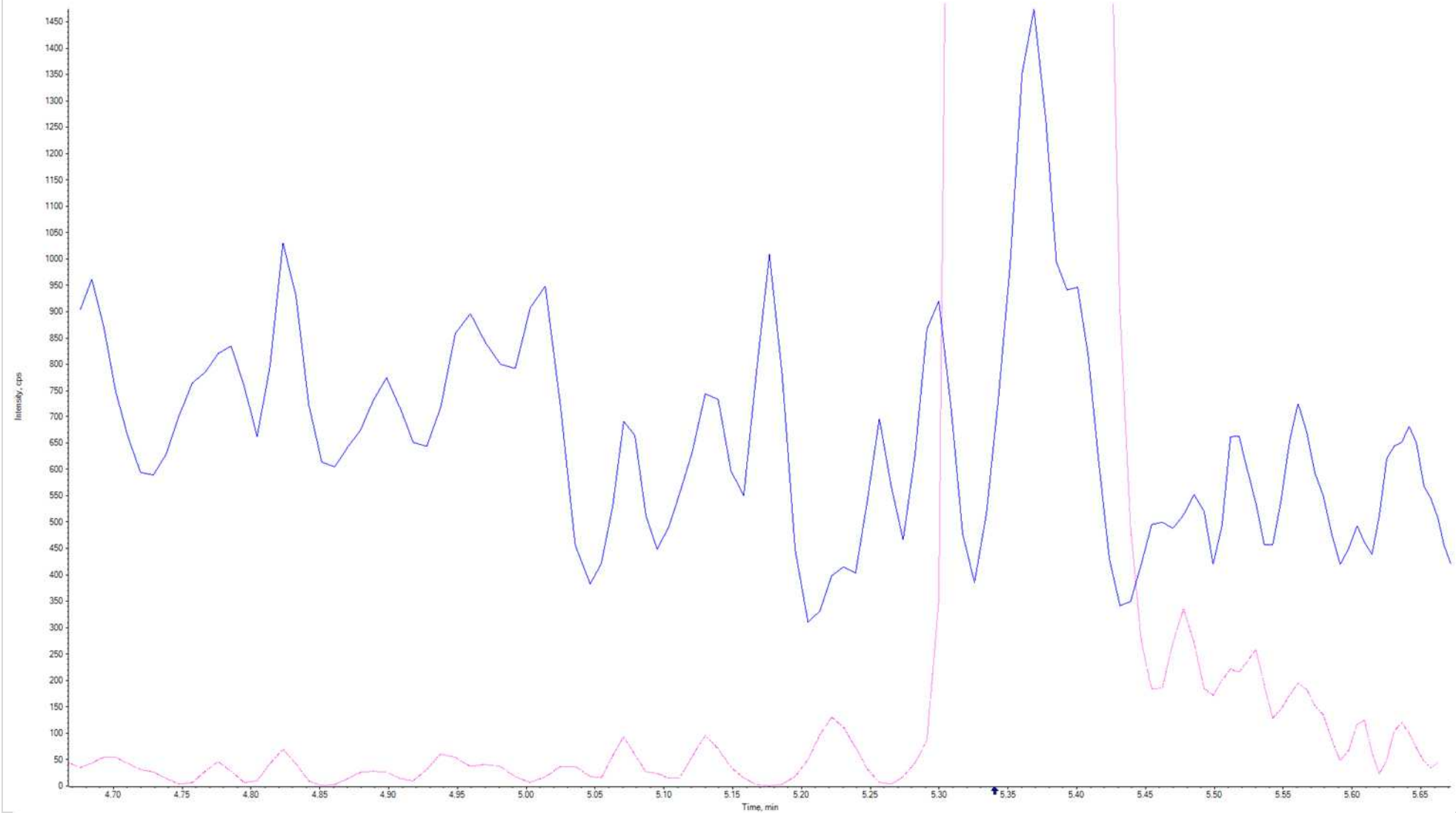
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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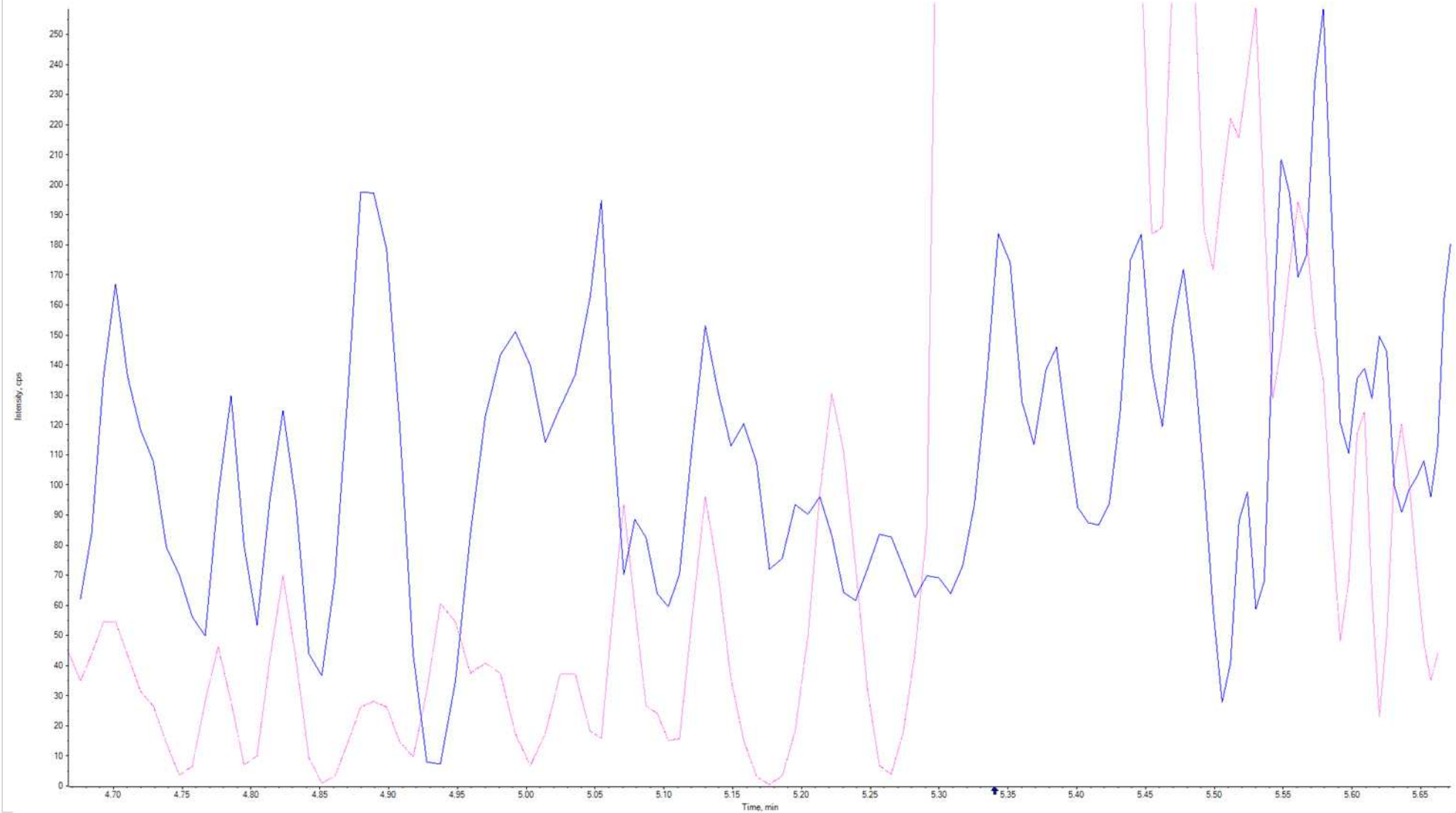
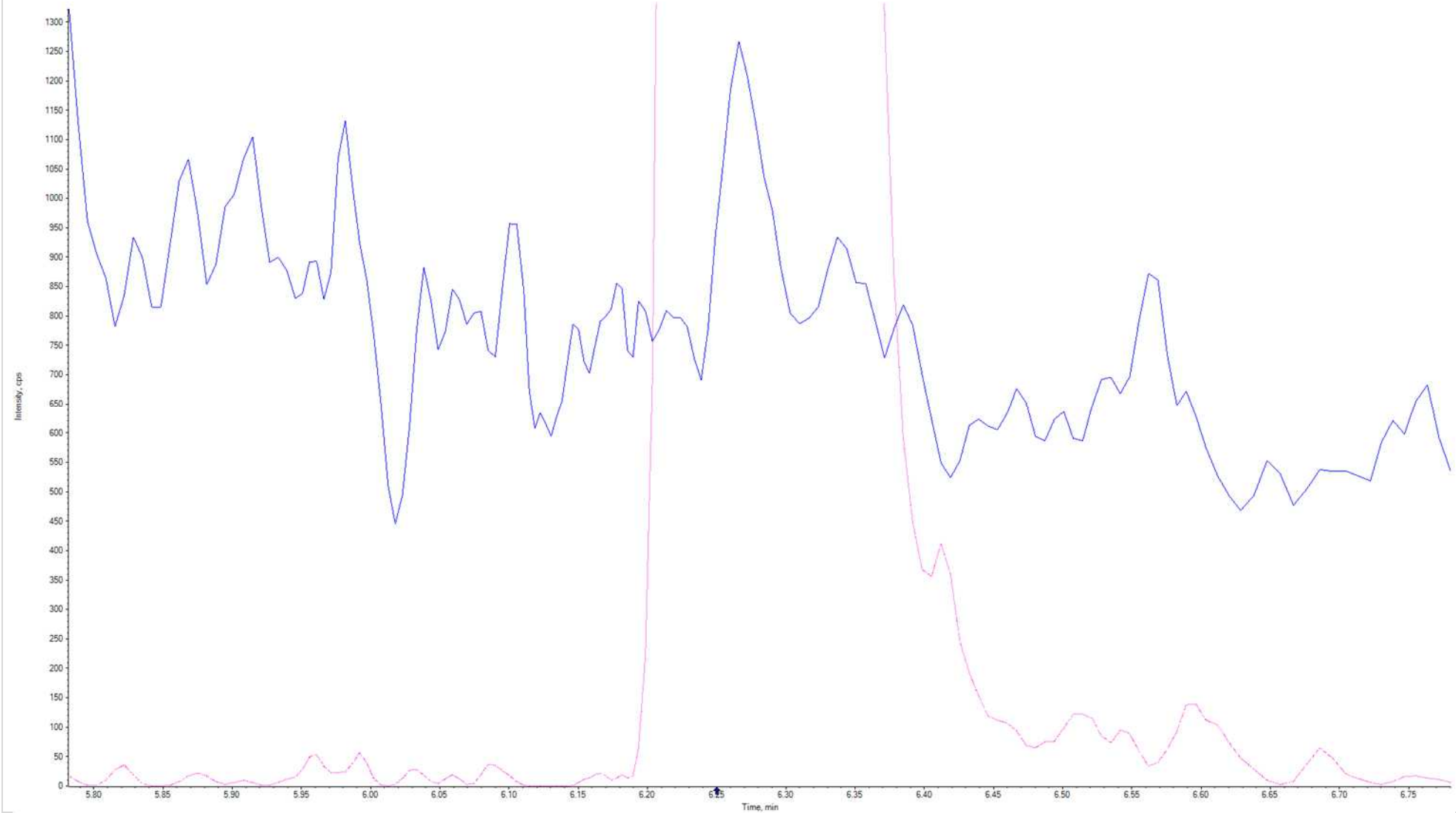
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_19.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_19.wiff
Last Altered: 9/18/2024 12:41:54 PM
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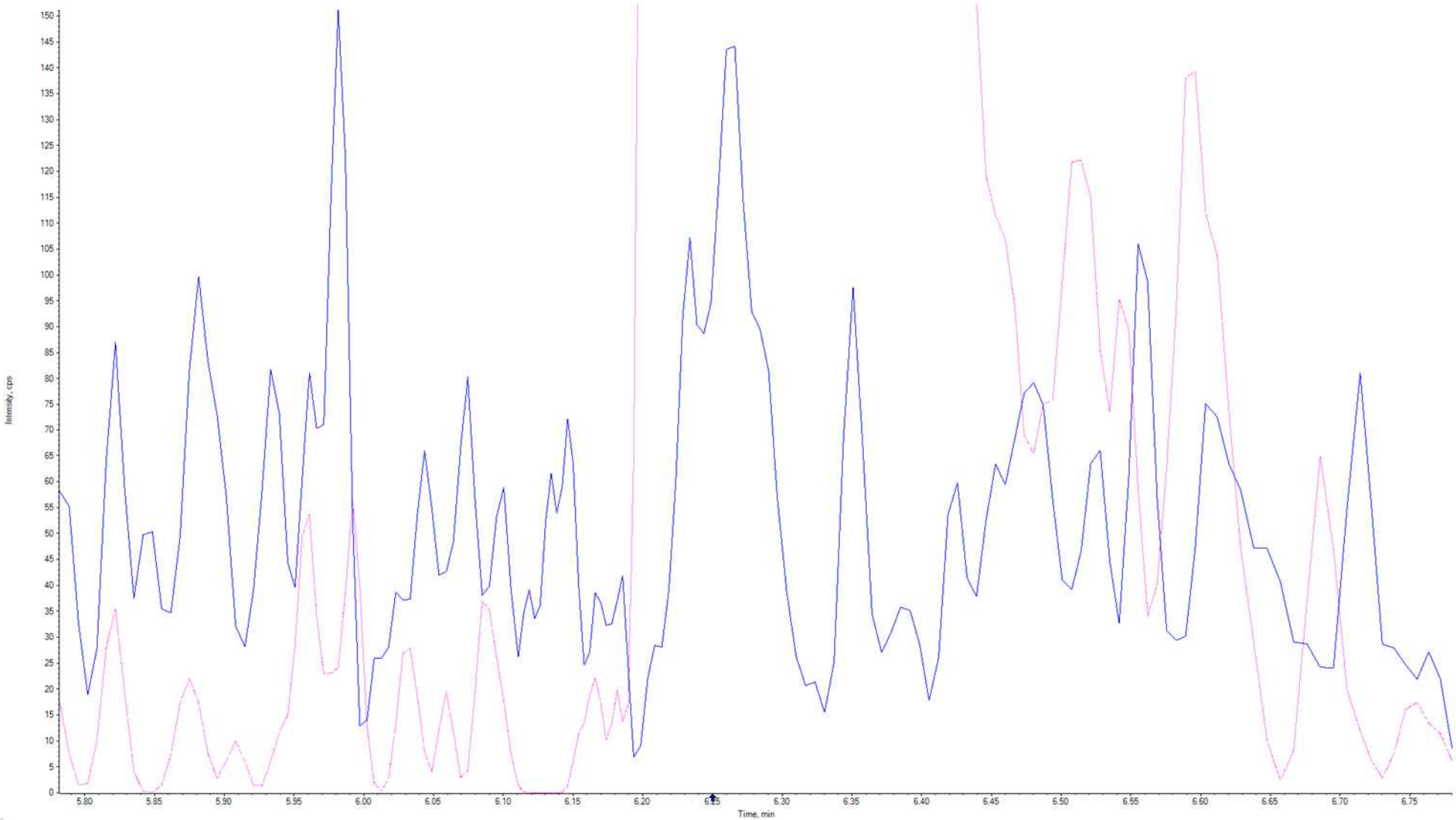
PFHpA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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Alpha Analytical Inc.
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PFOA
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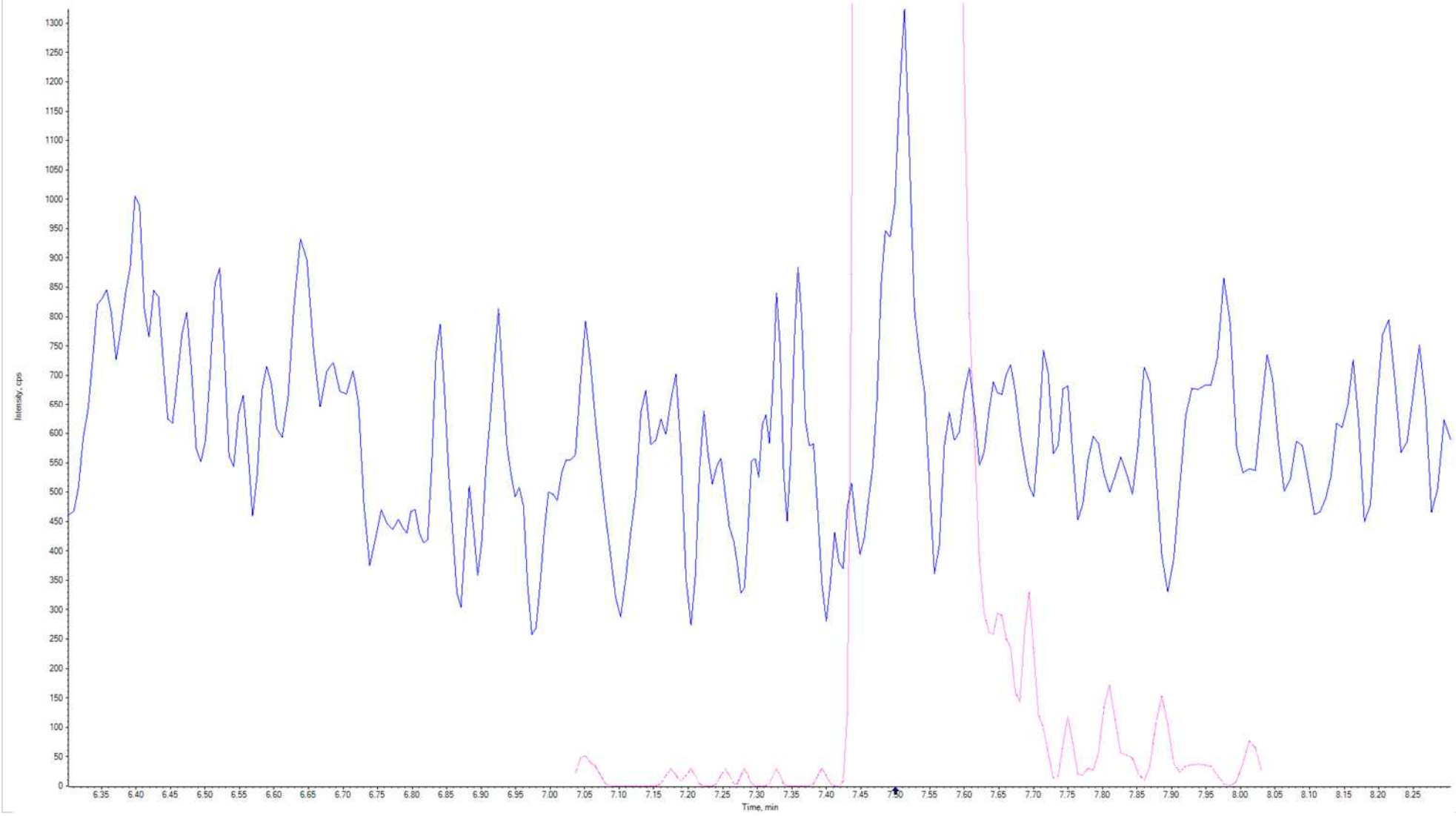

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Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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PFOA_2
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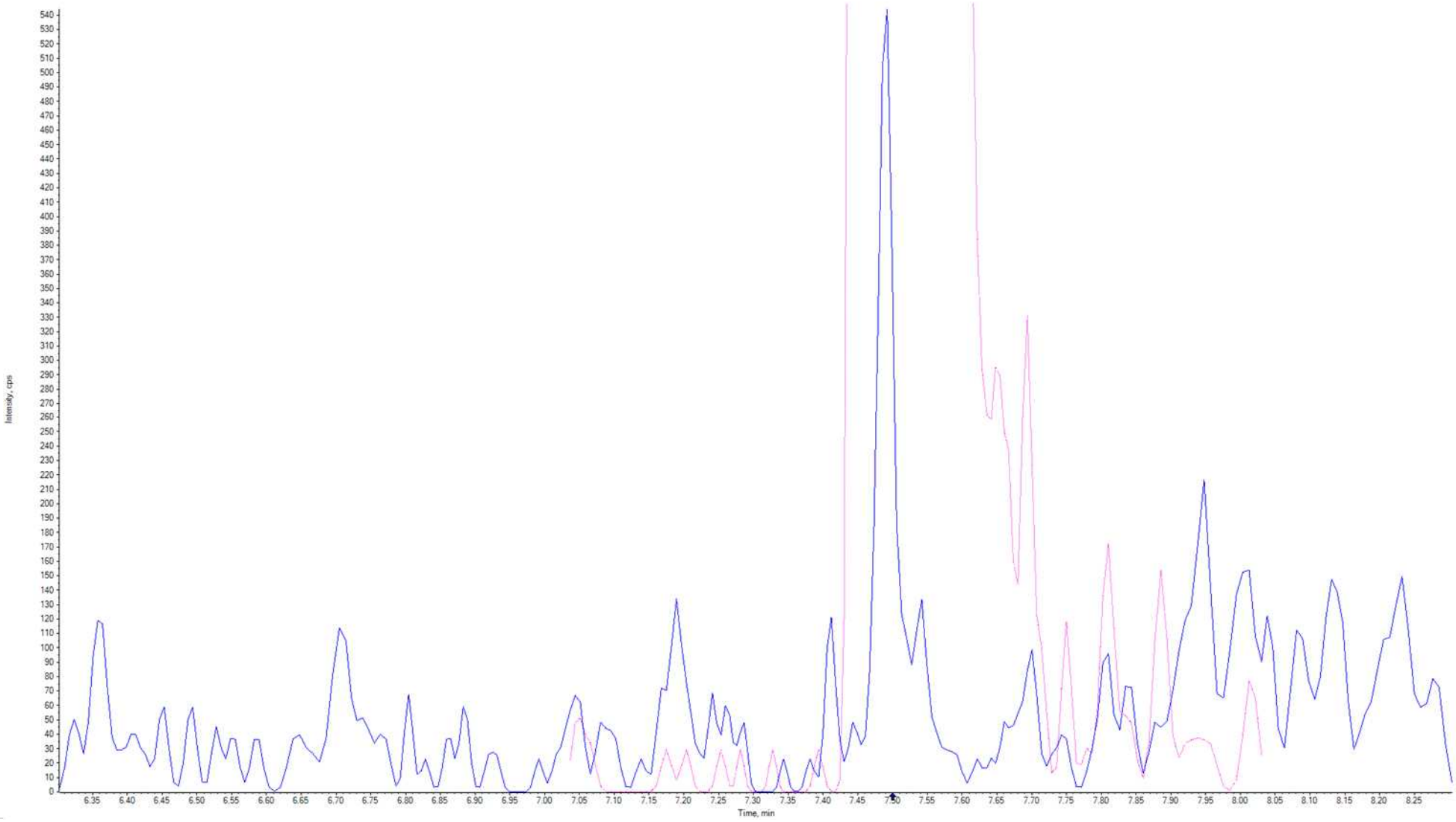

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PFNA
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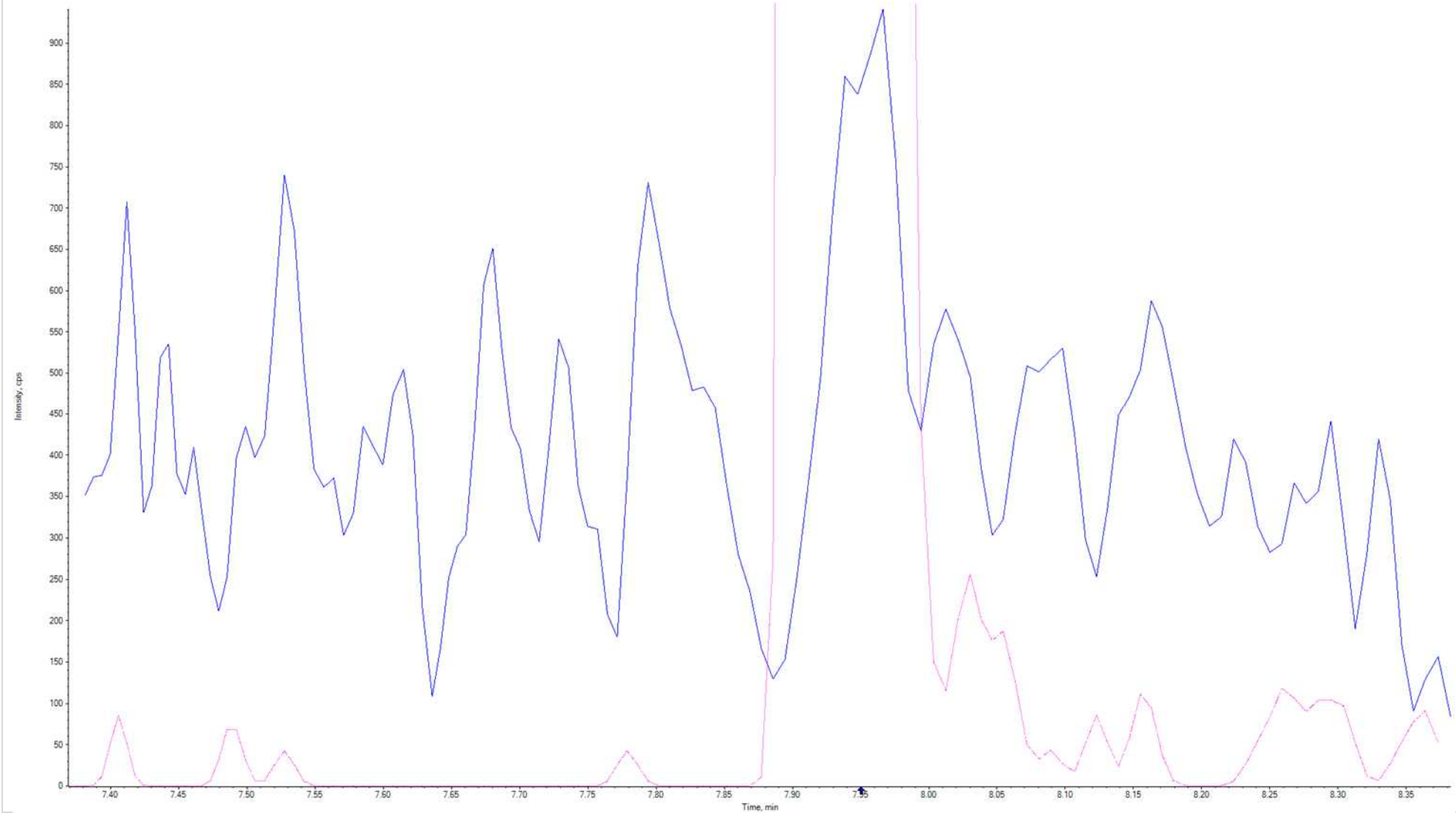

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PFNA_2
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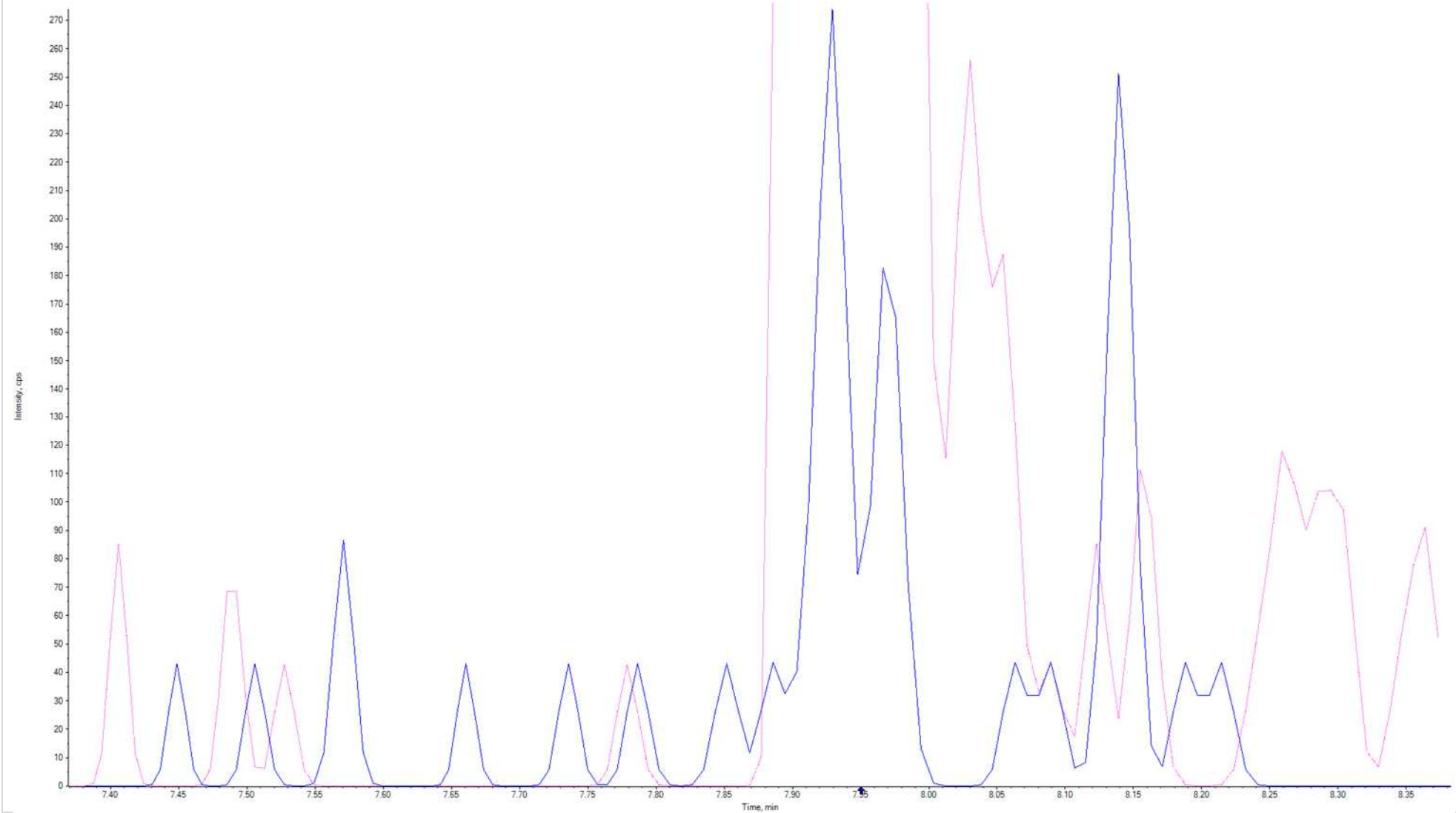

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PFDA
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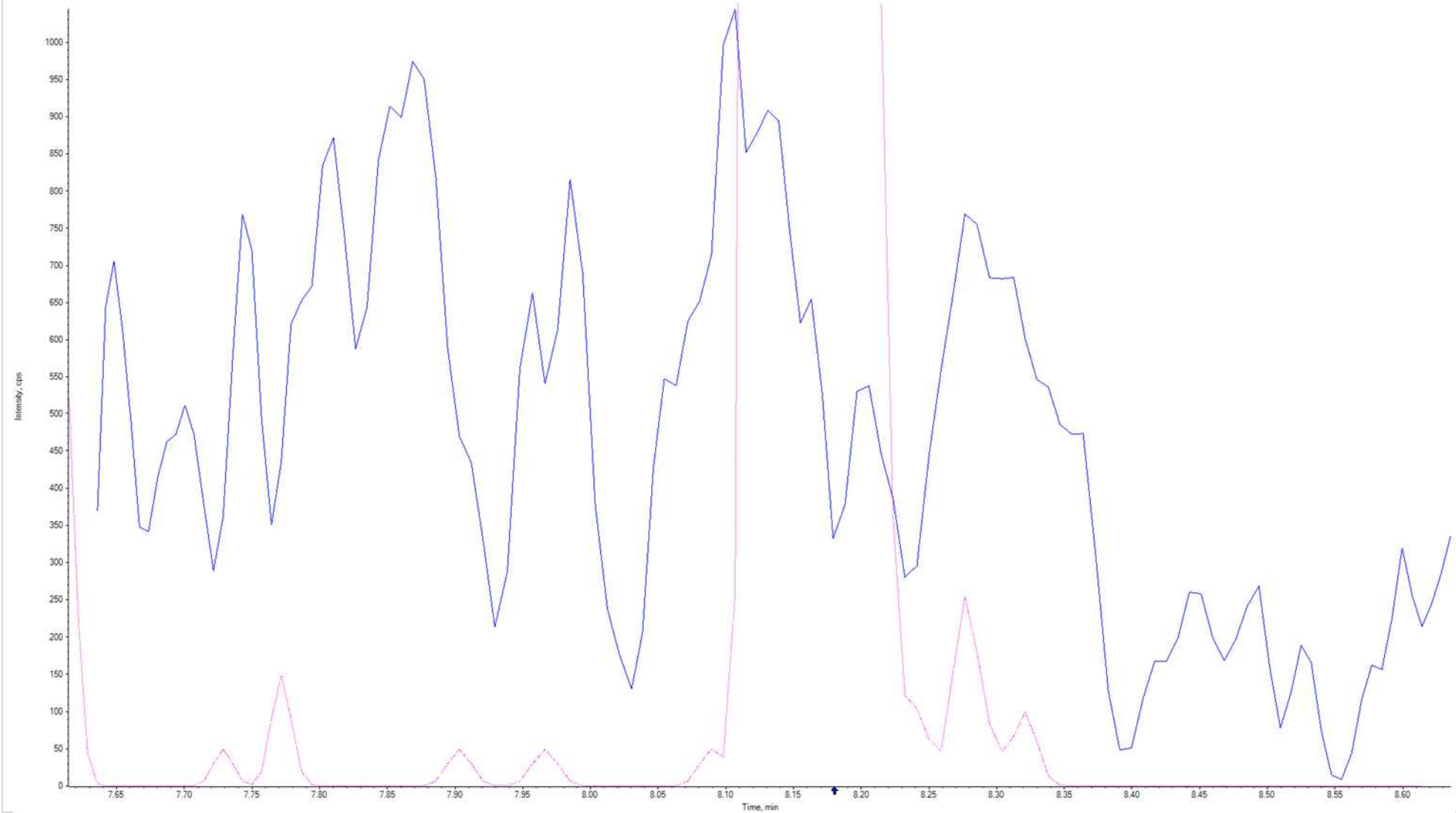

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PFDA_2
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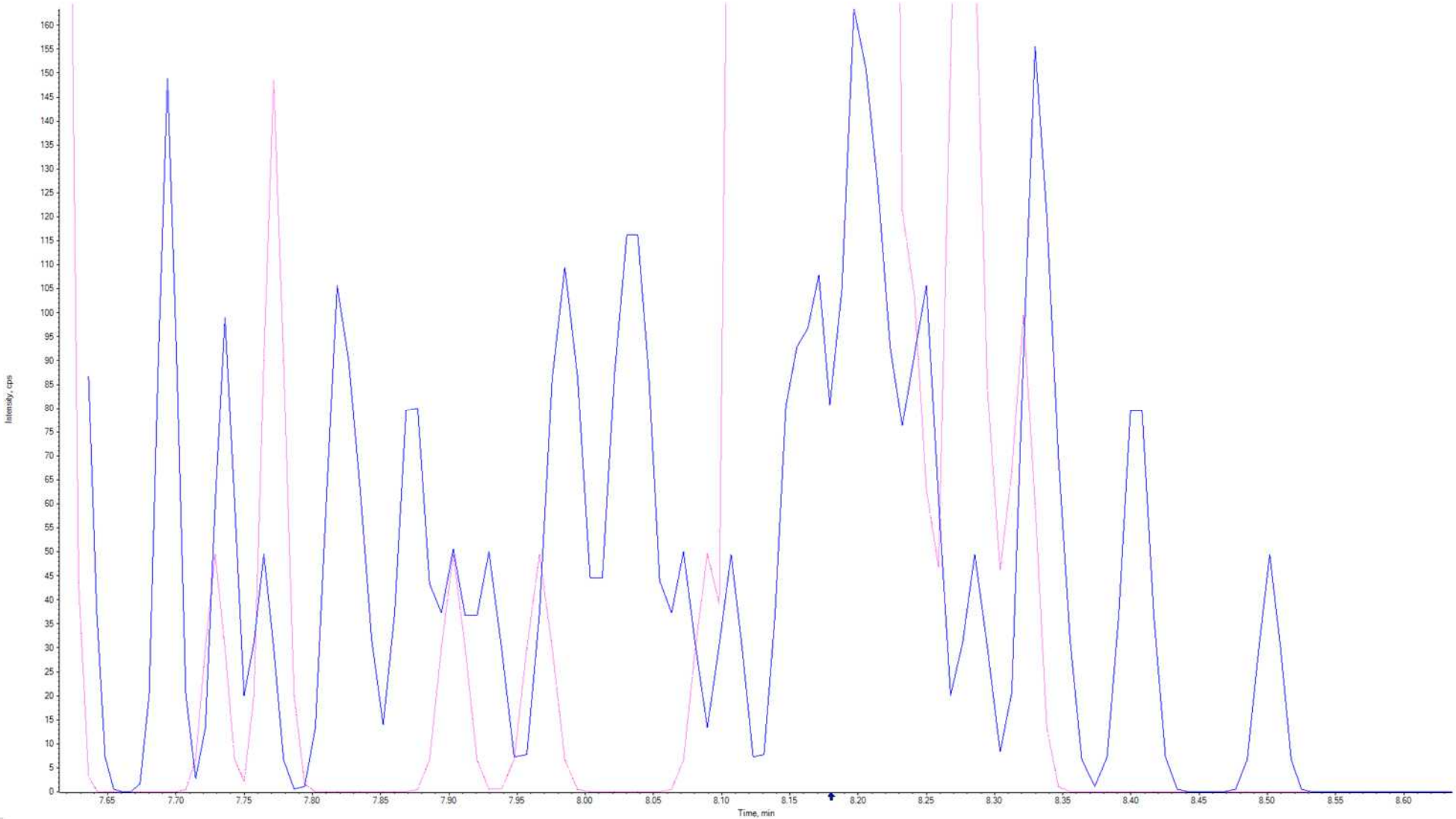

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PFUnA
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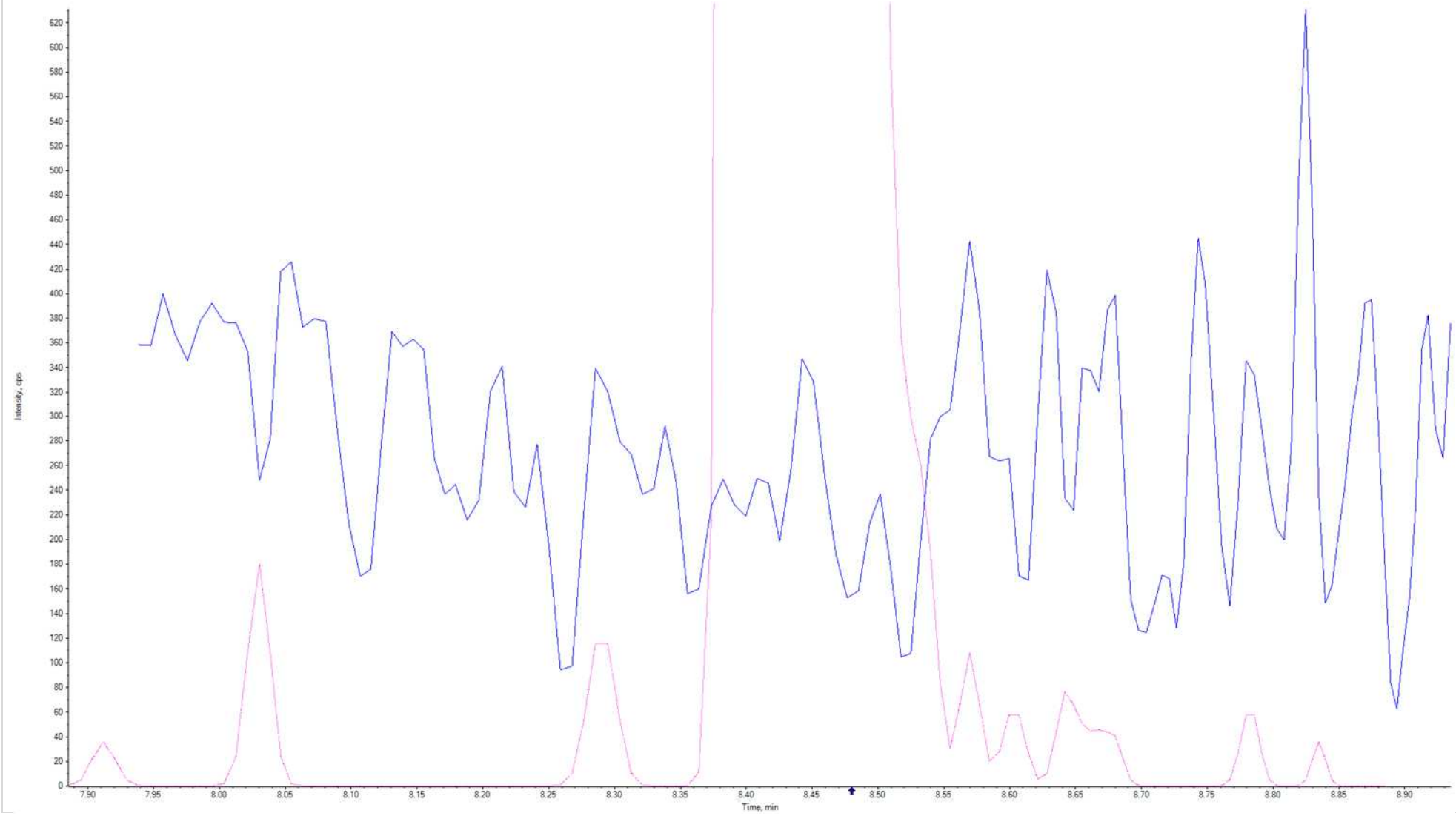

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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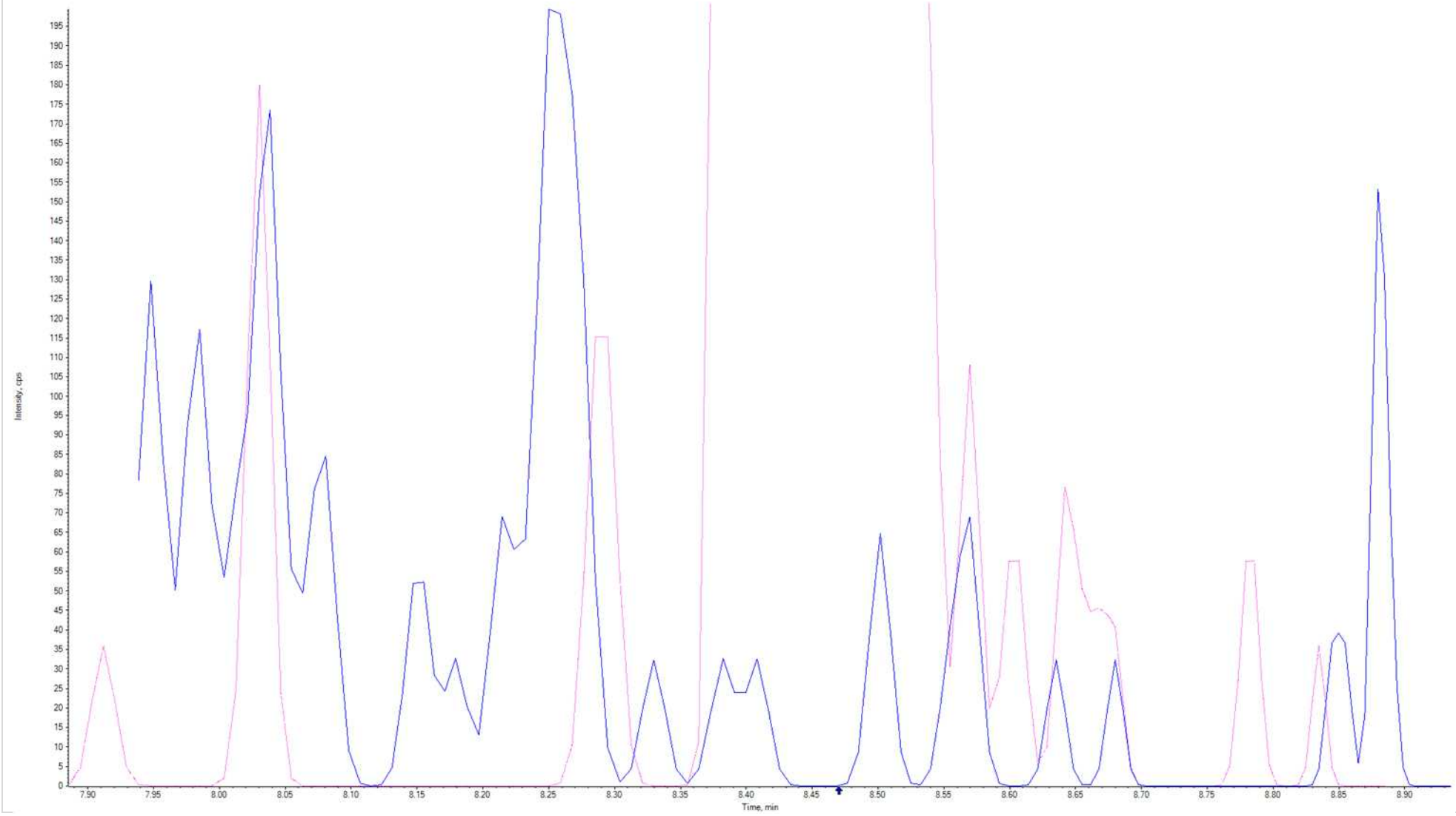
PFUnA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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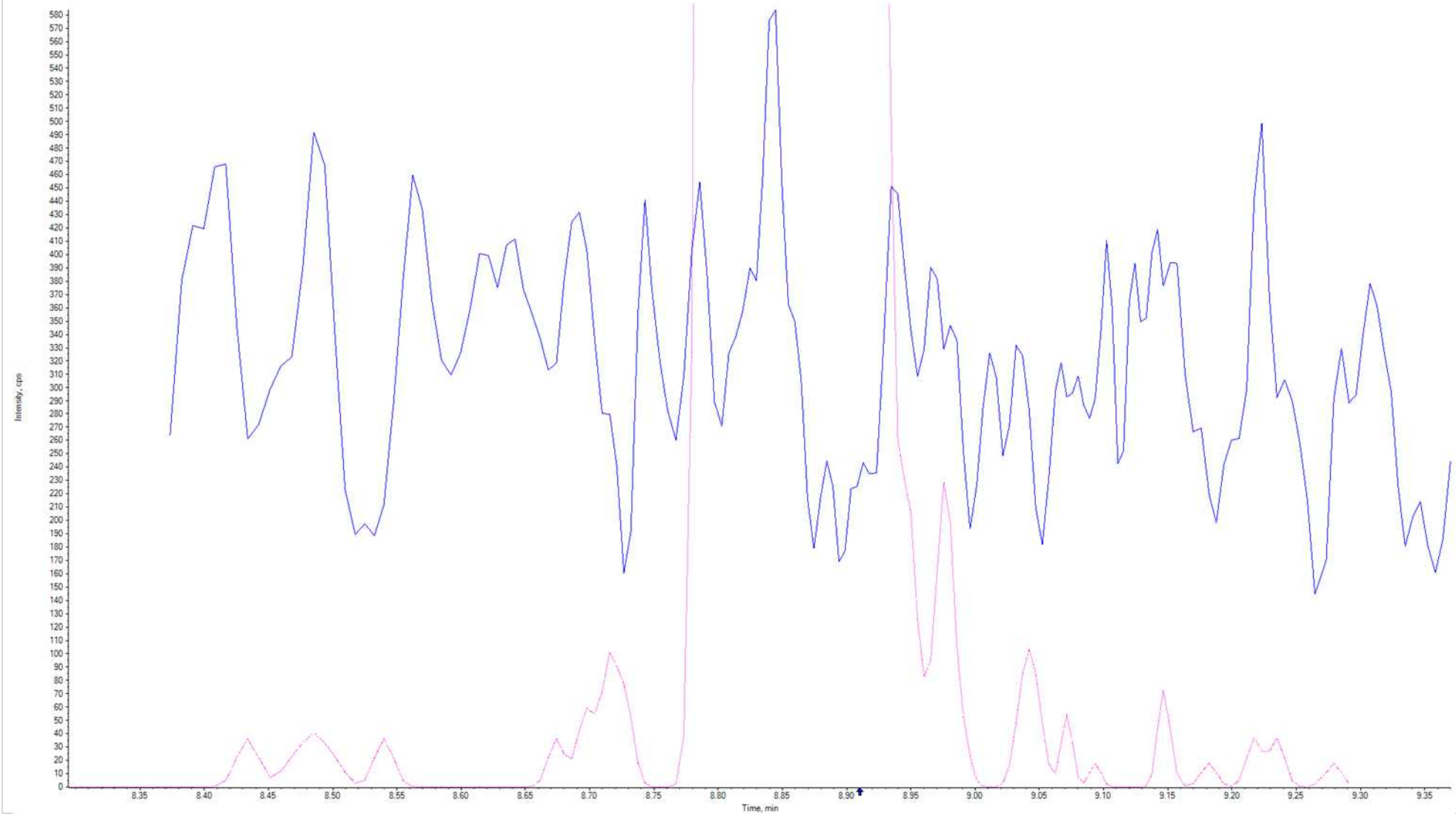
PFDoA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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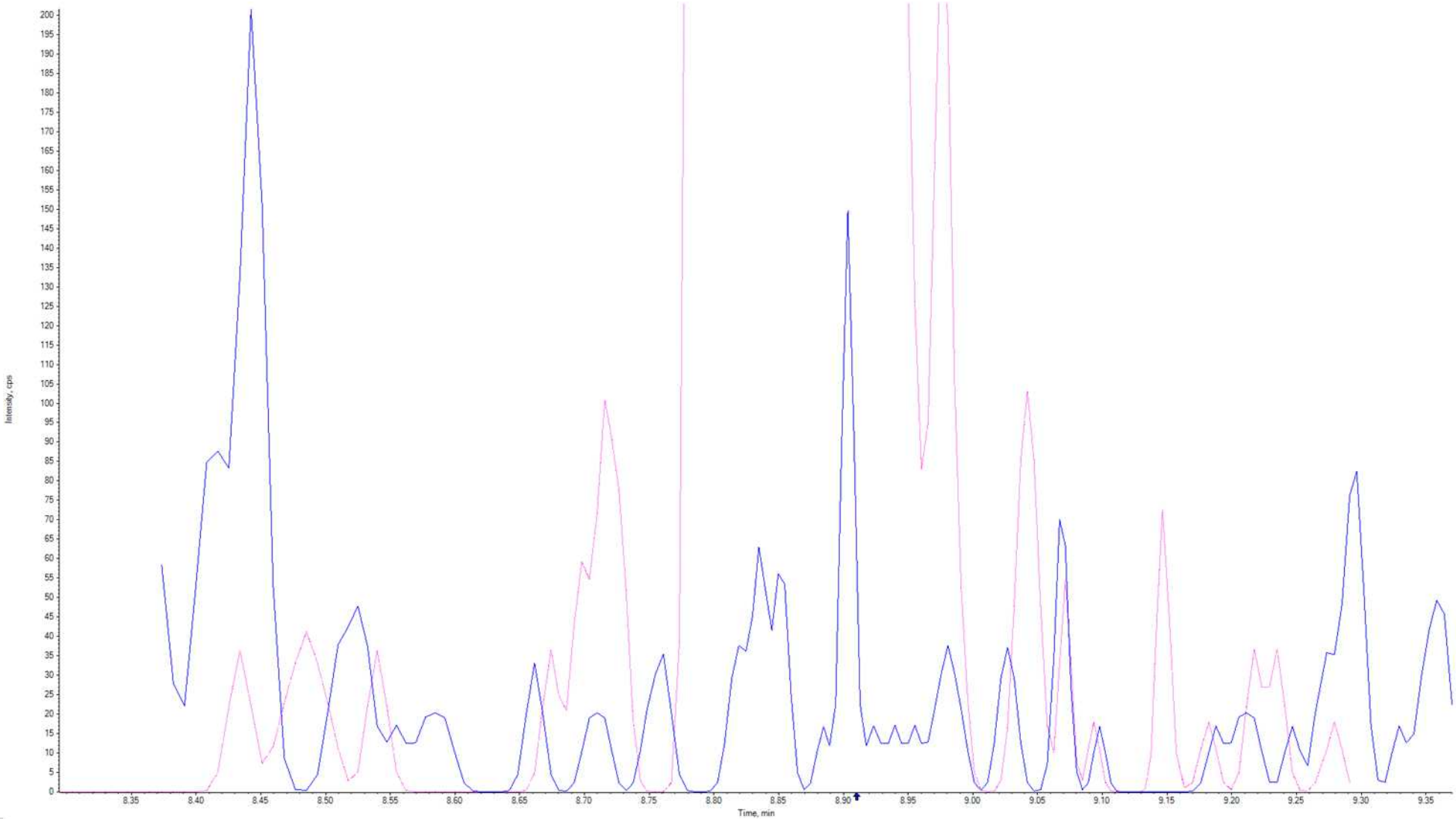

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PFTrDA
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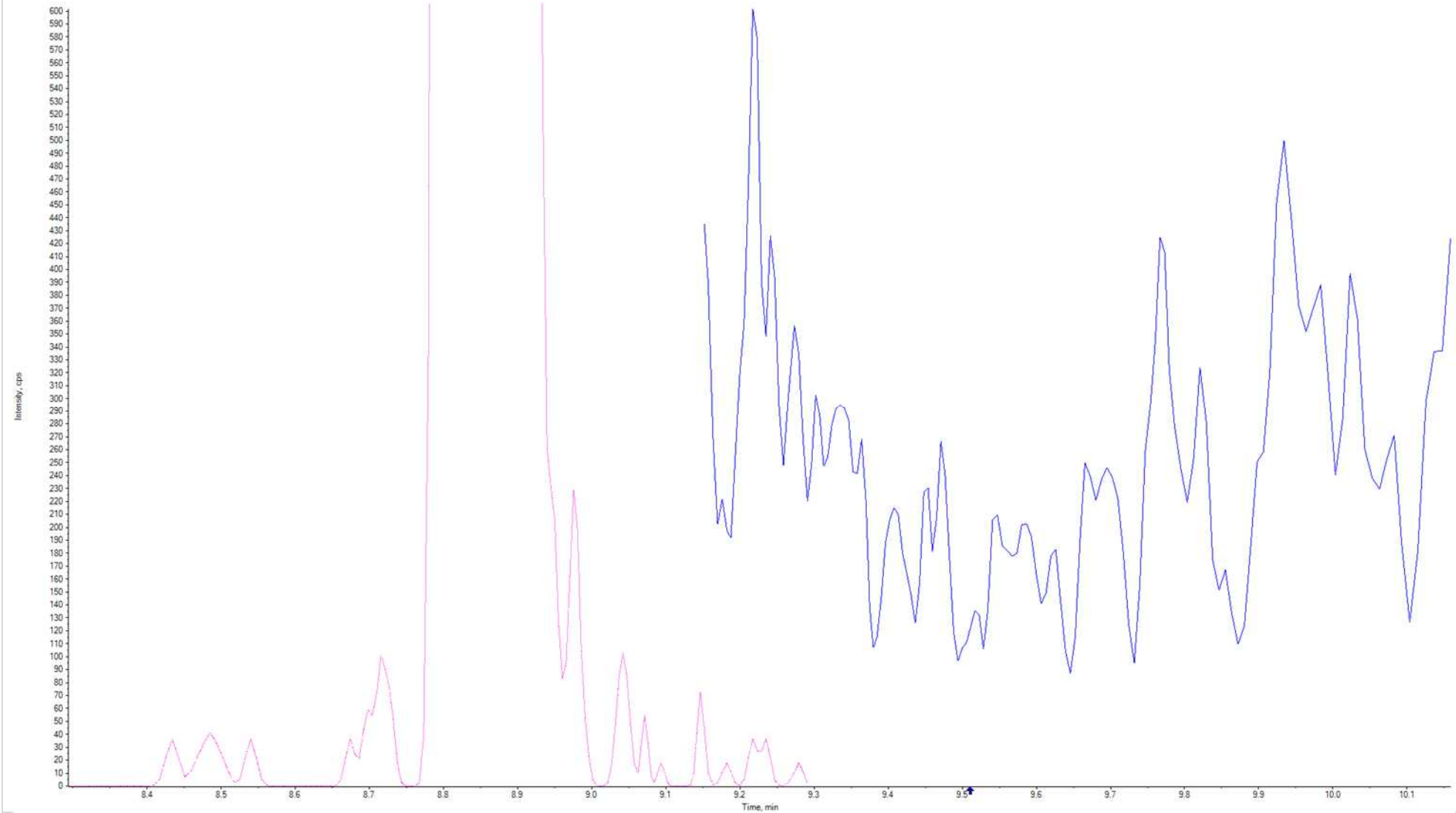

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PFTrDA_2
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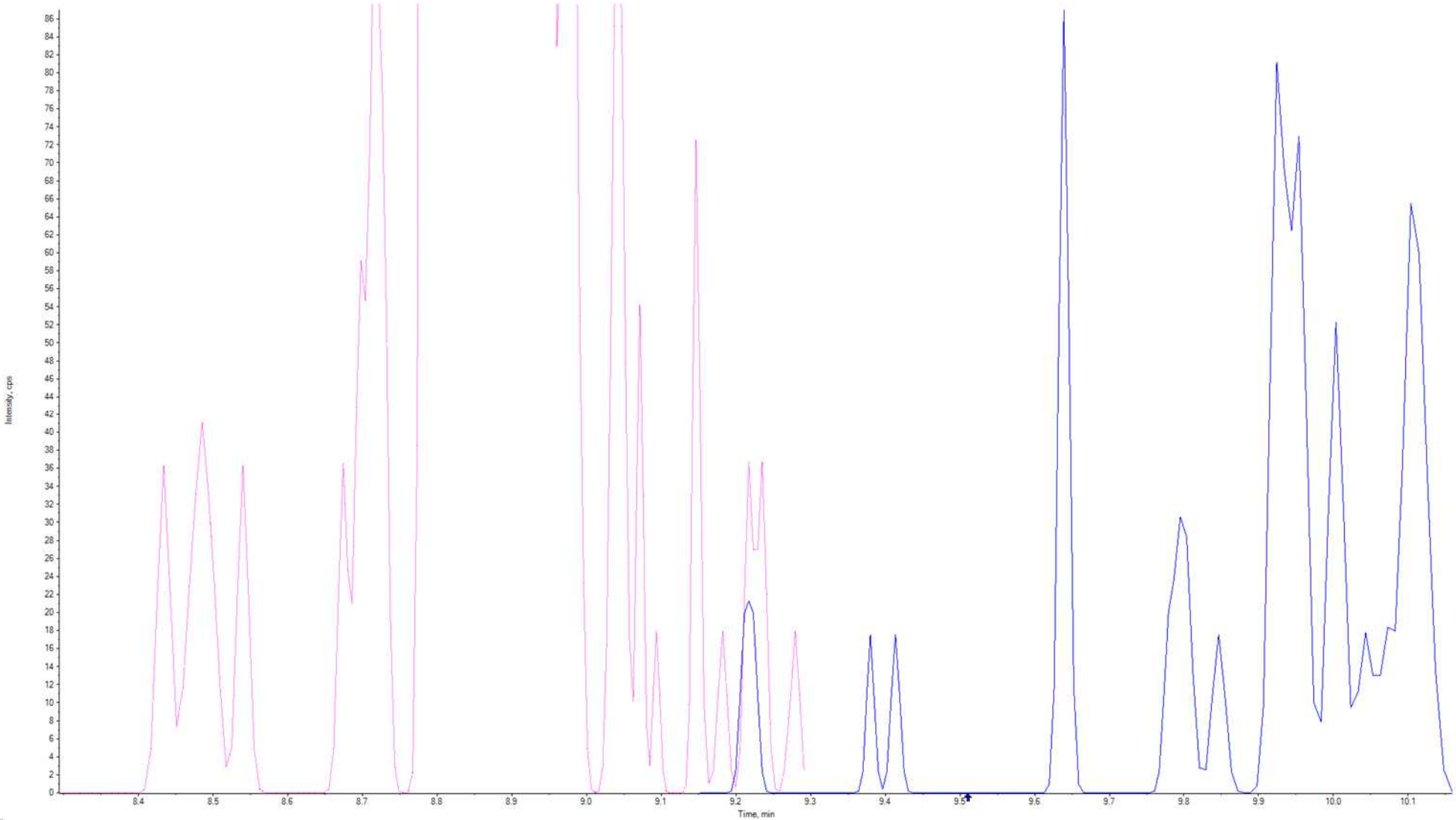

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PFTeDA
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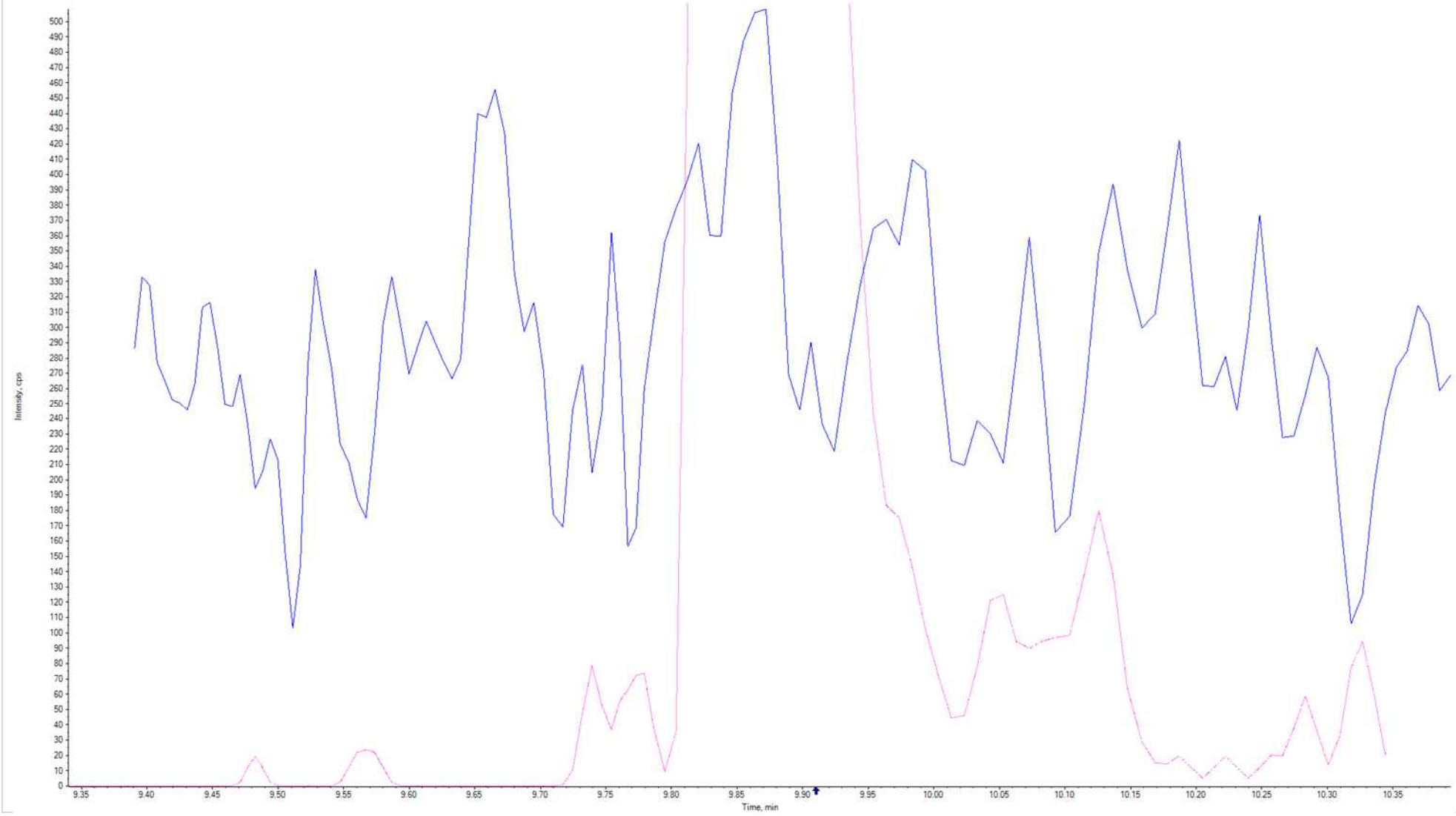

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PFTeDA_2
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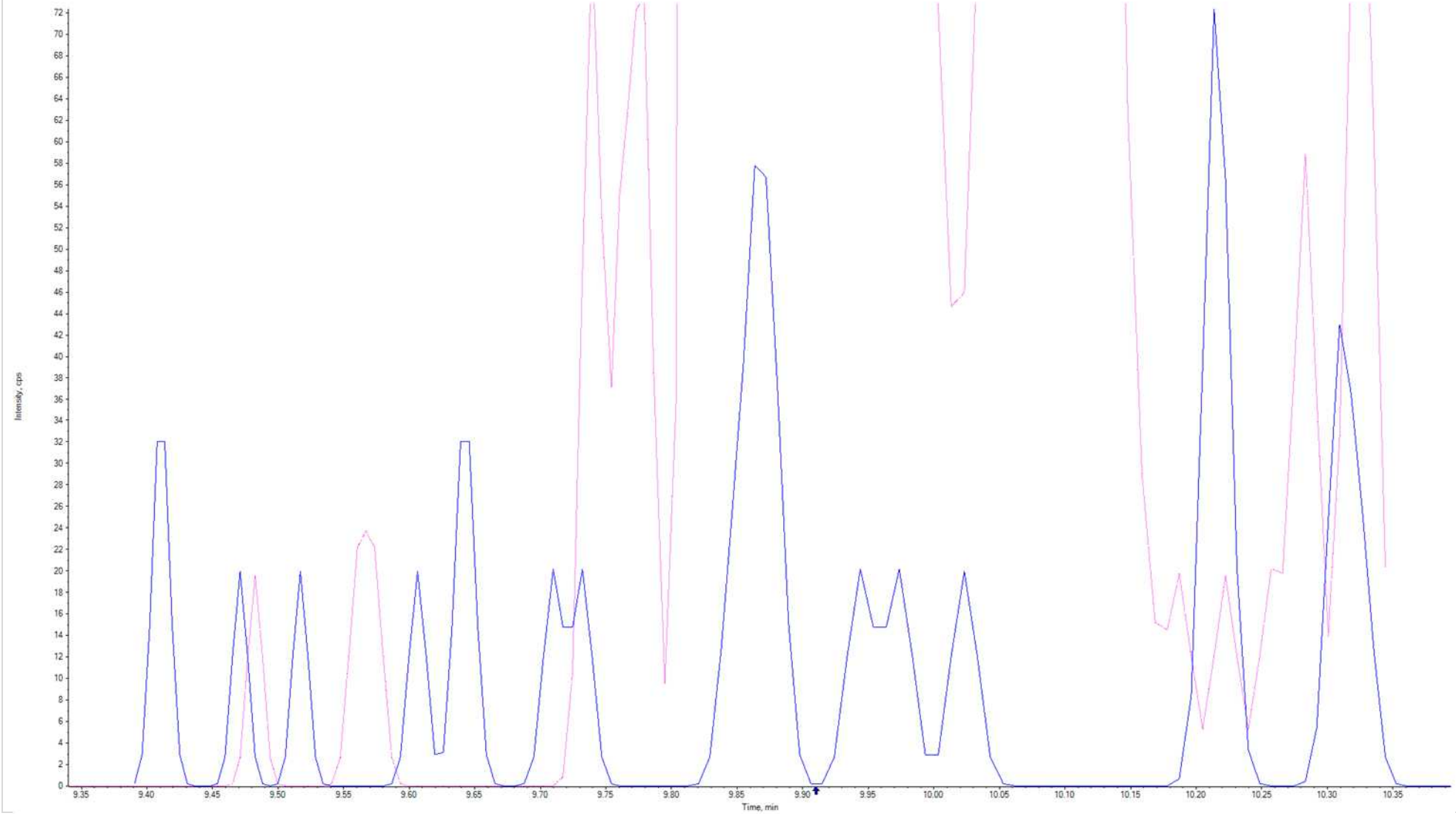

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PFBS
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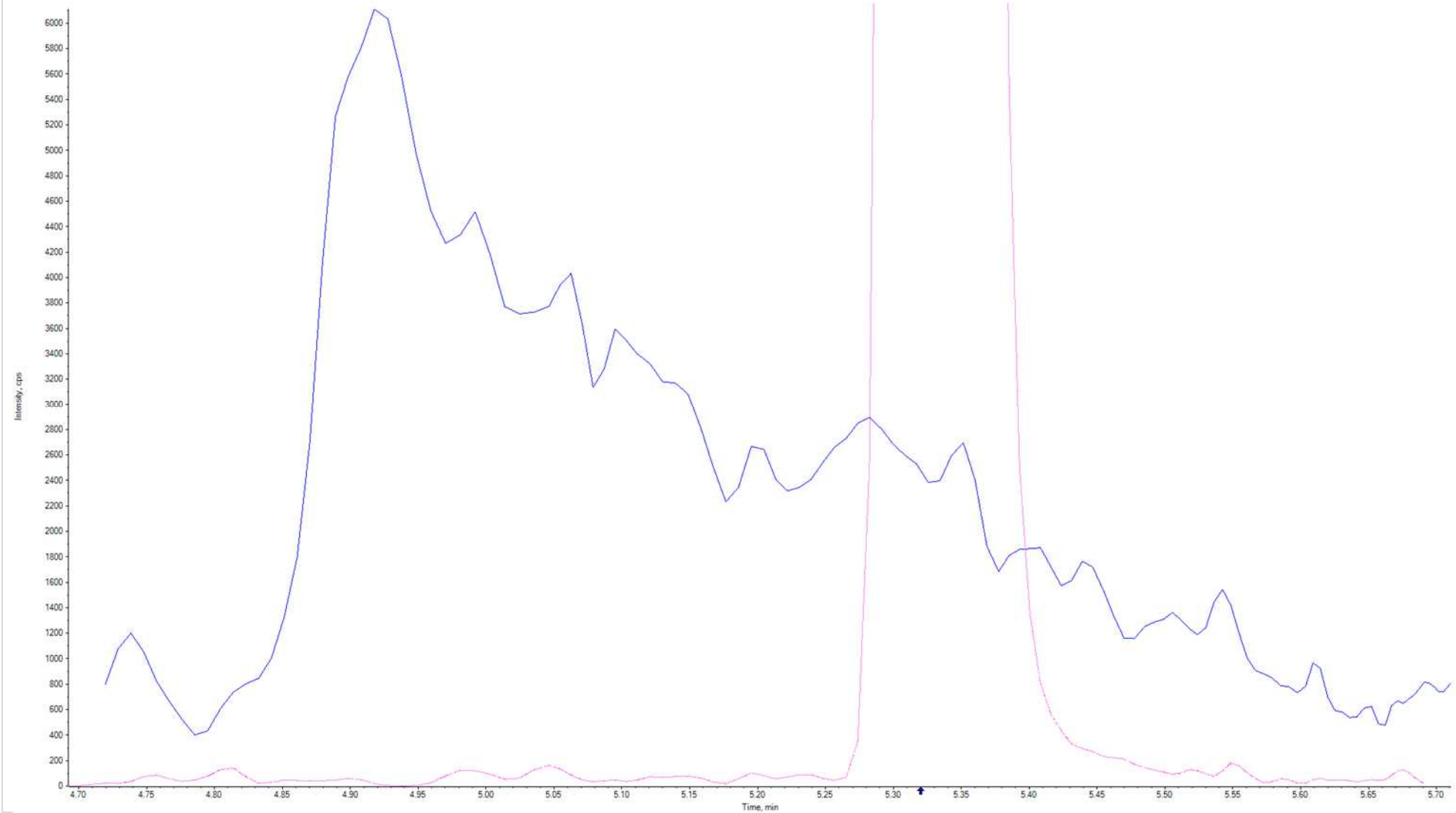

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PFBS_2
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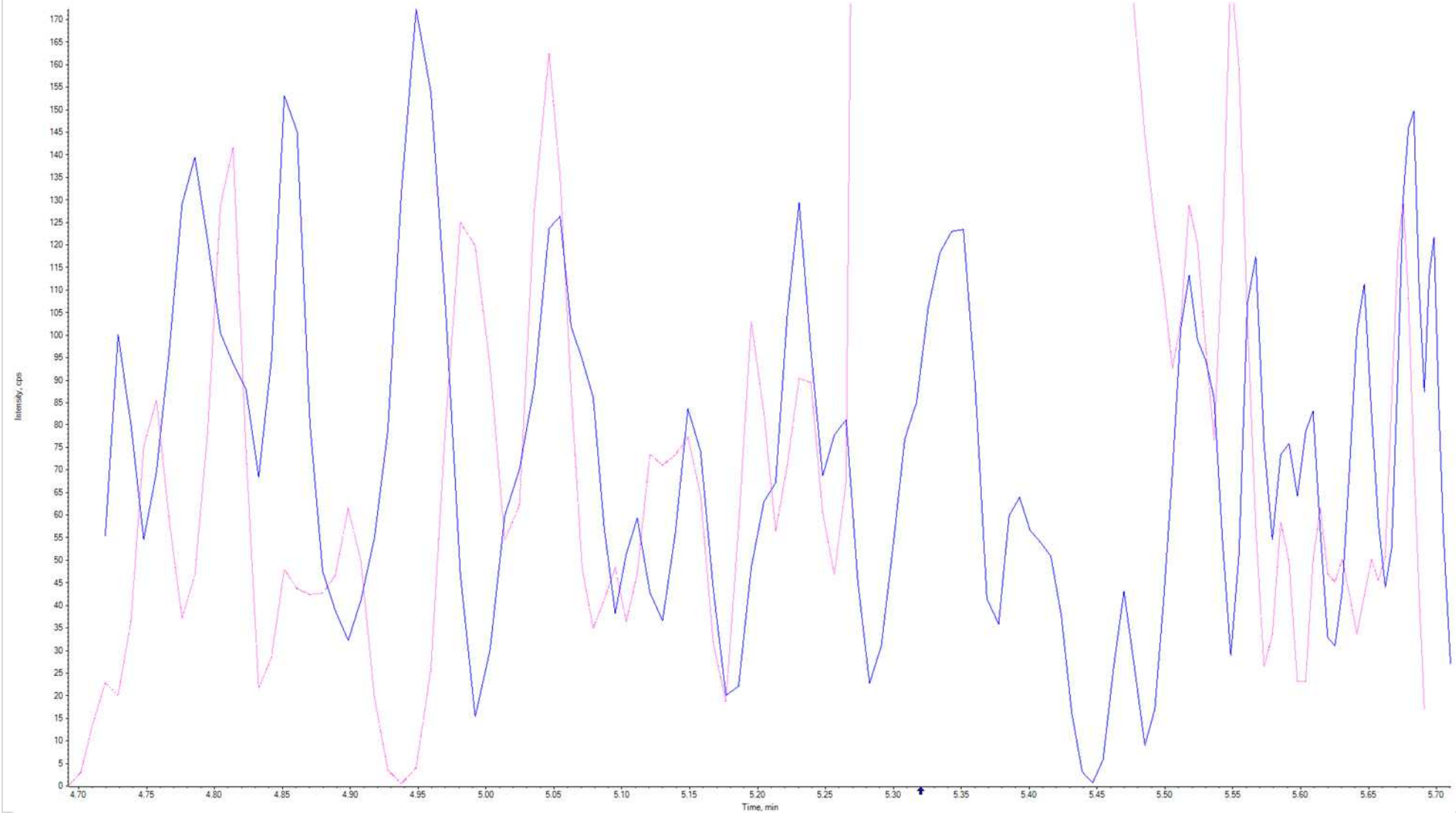

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PFPeS
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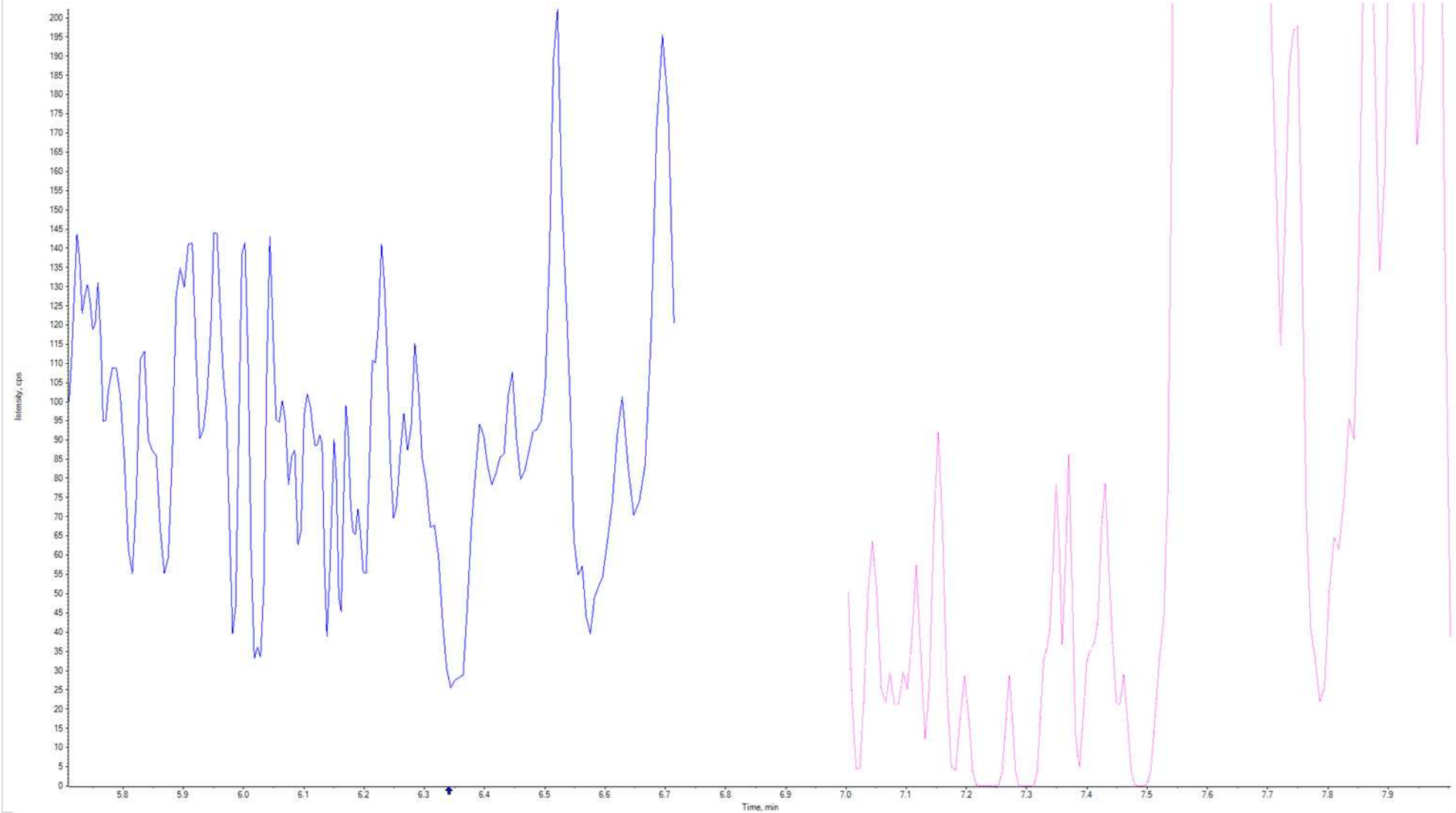

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFPeS_2
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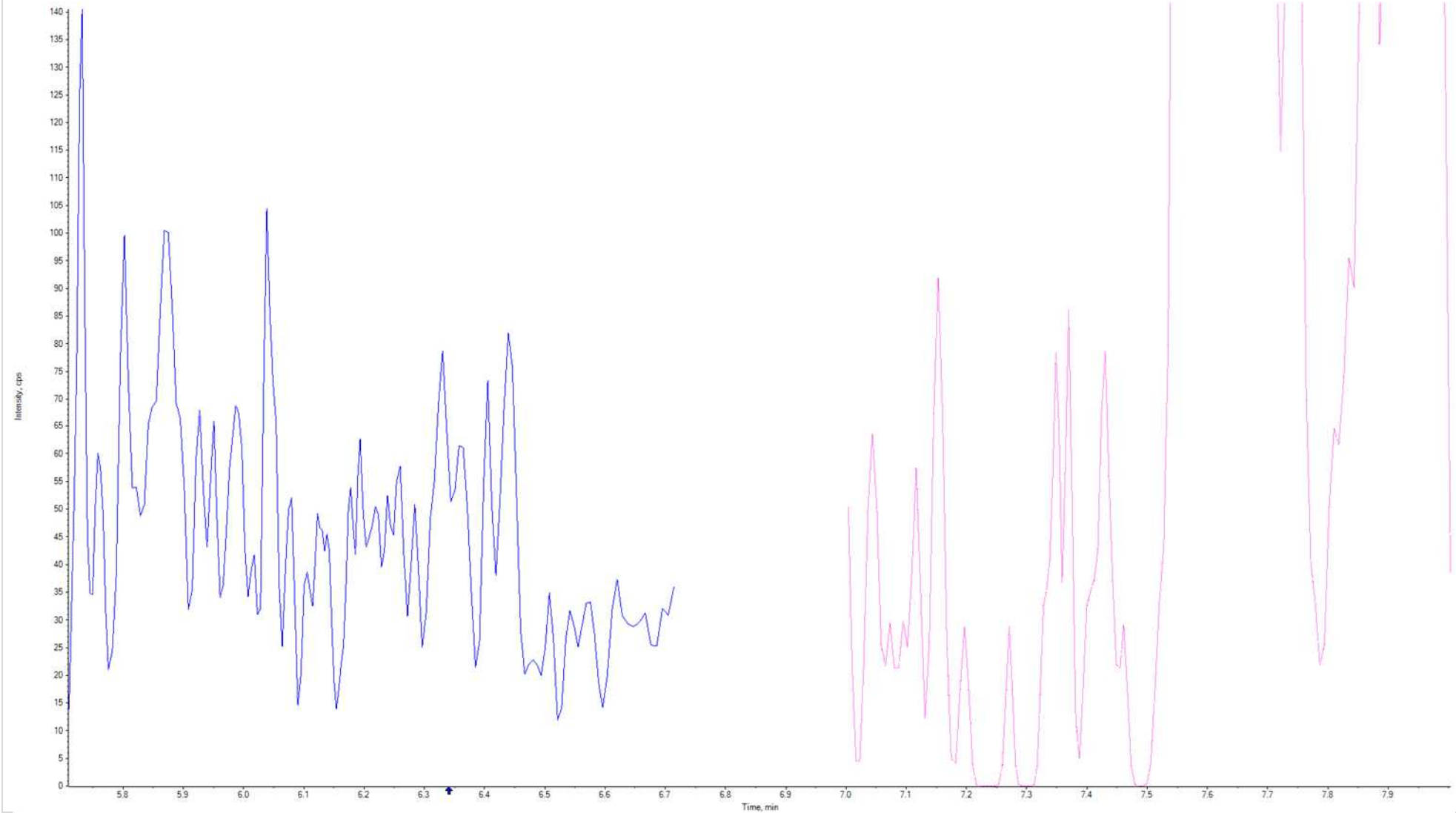

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PFHxS
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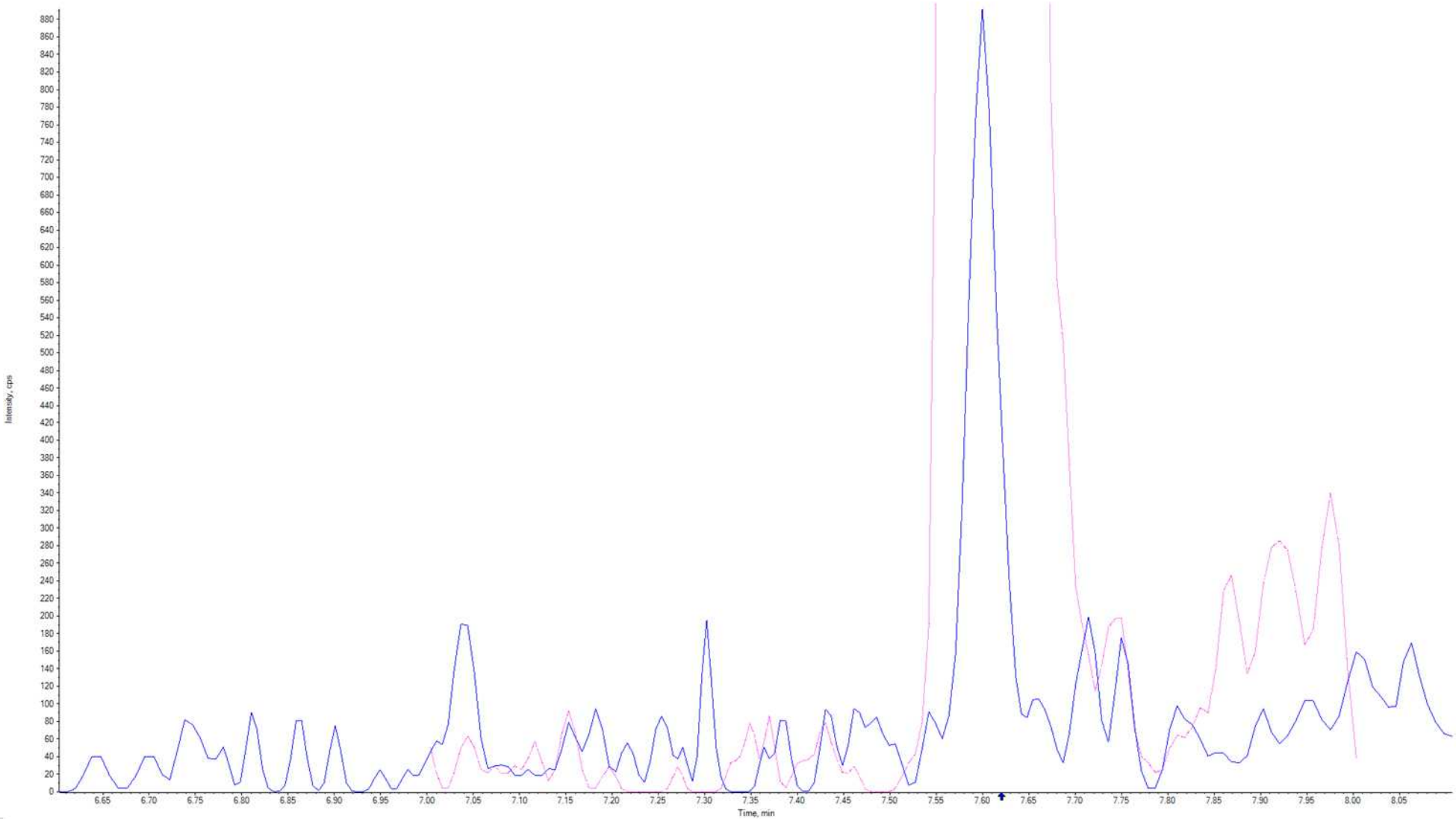

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PFHxS_2
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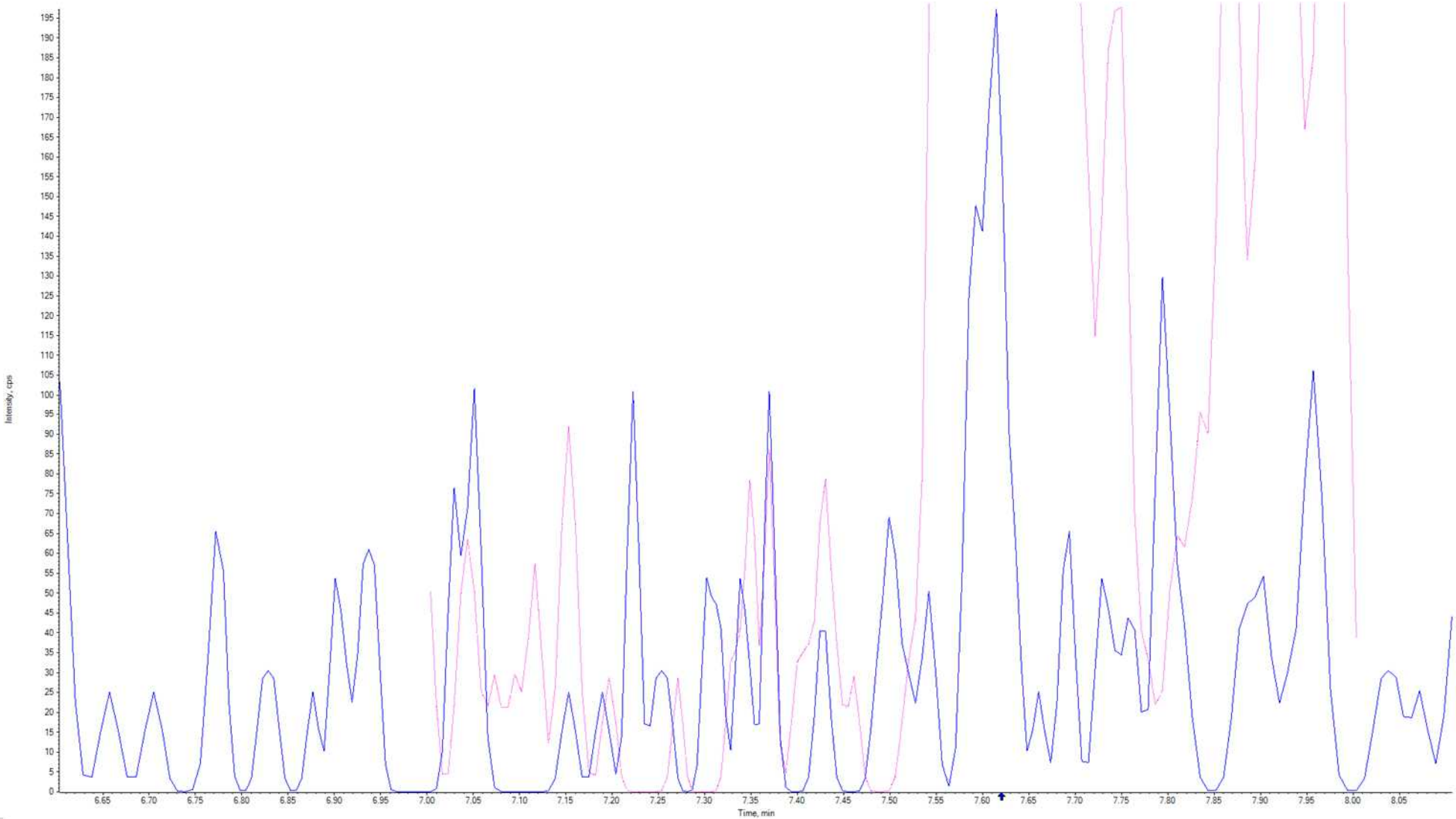

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PFHpS
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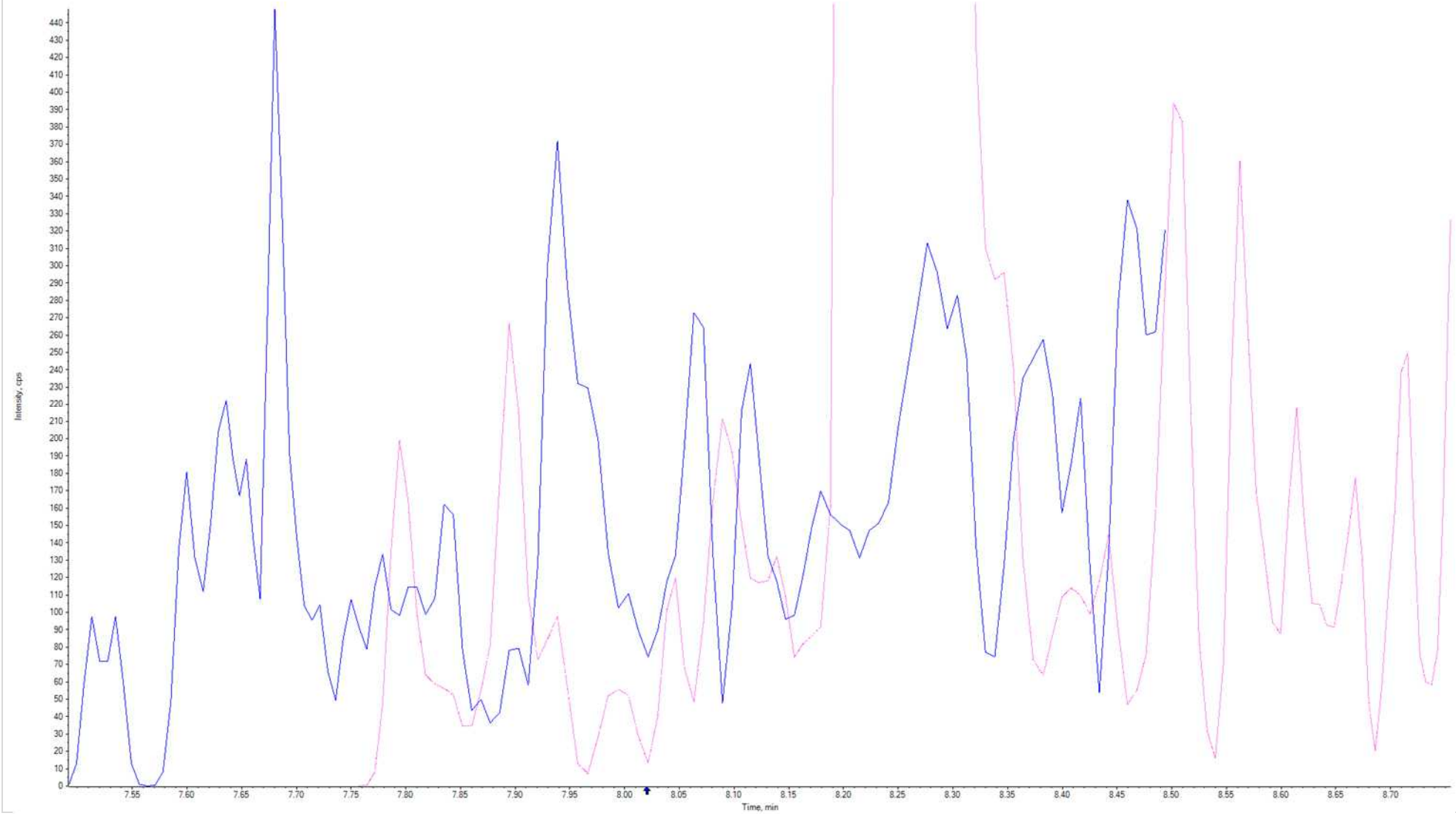

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PFHpS_2
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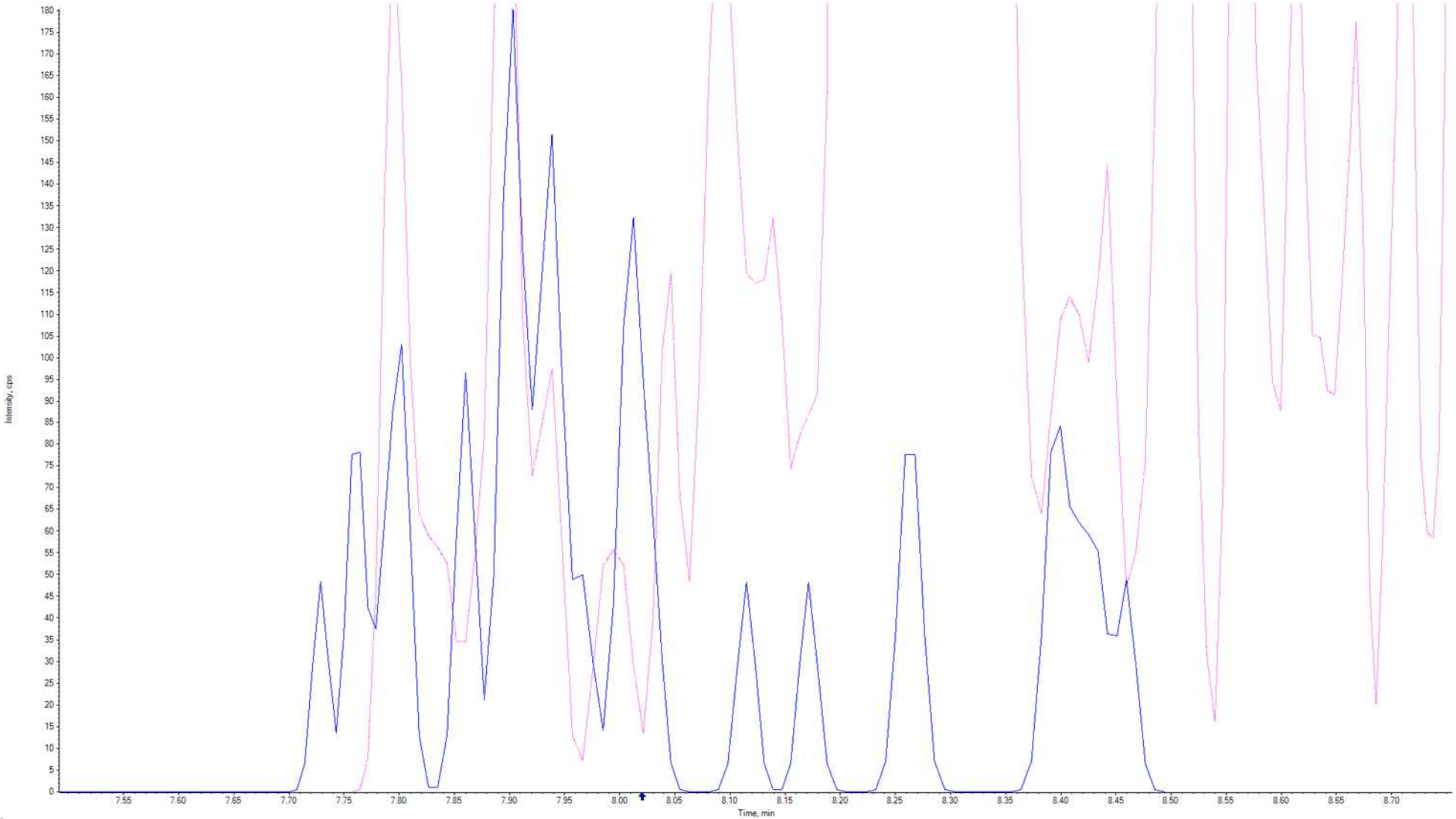

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PFOS
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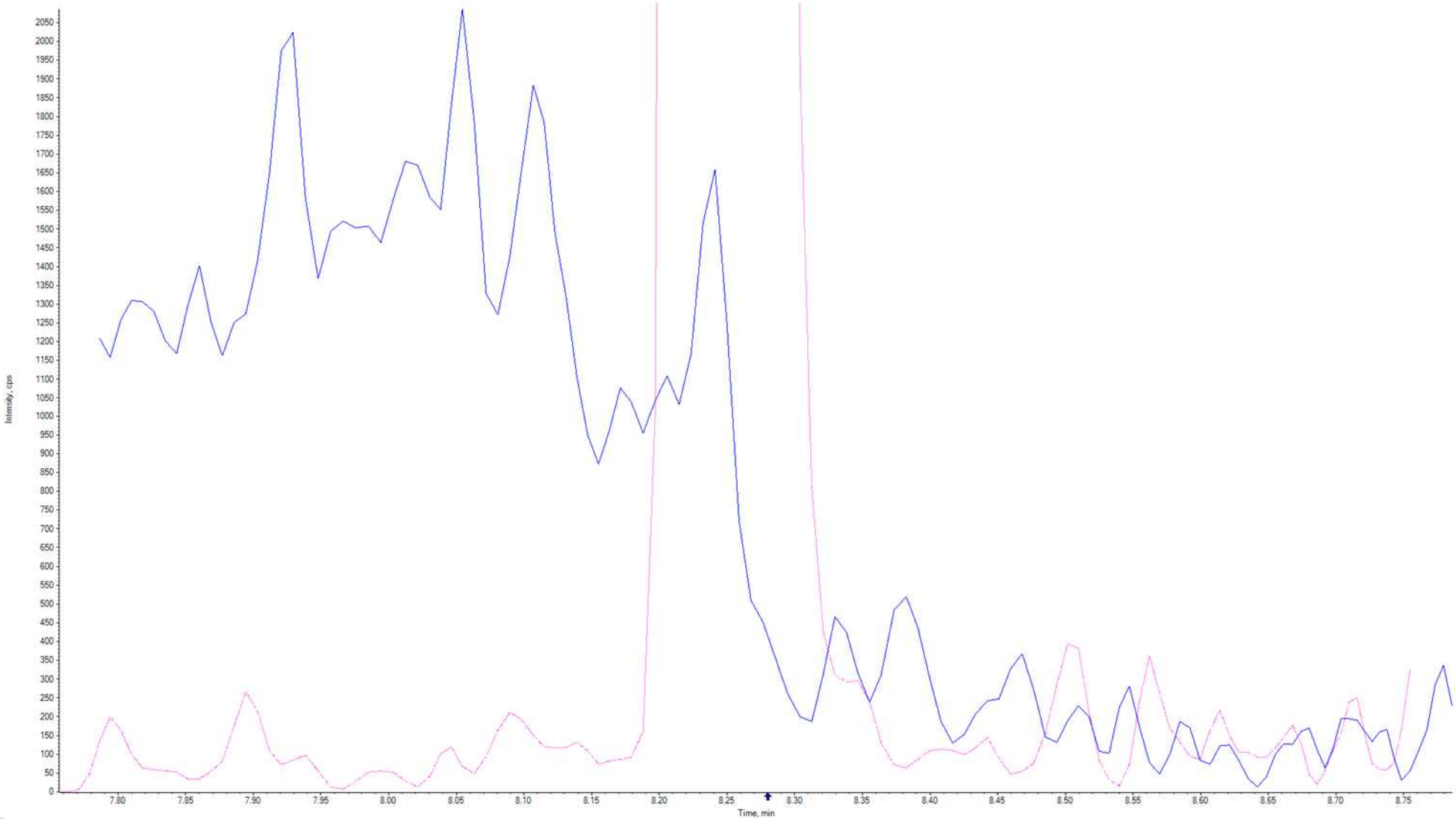

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PFOS_2
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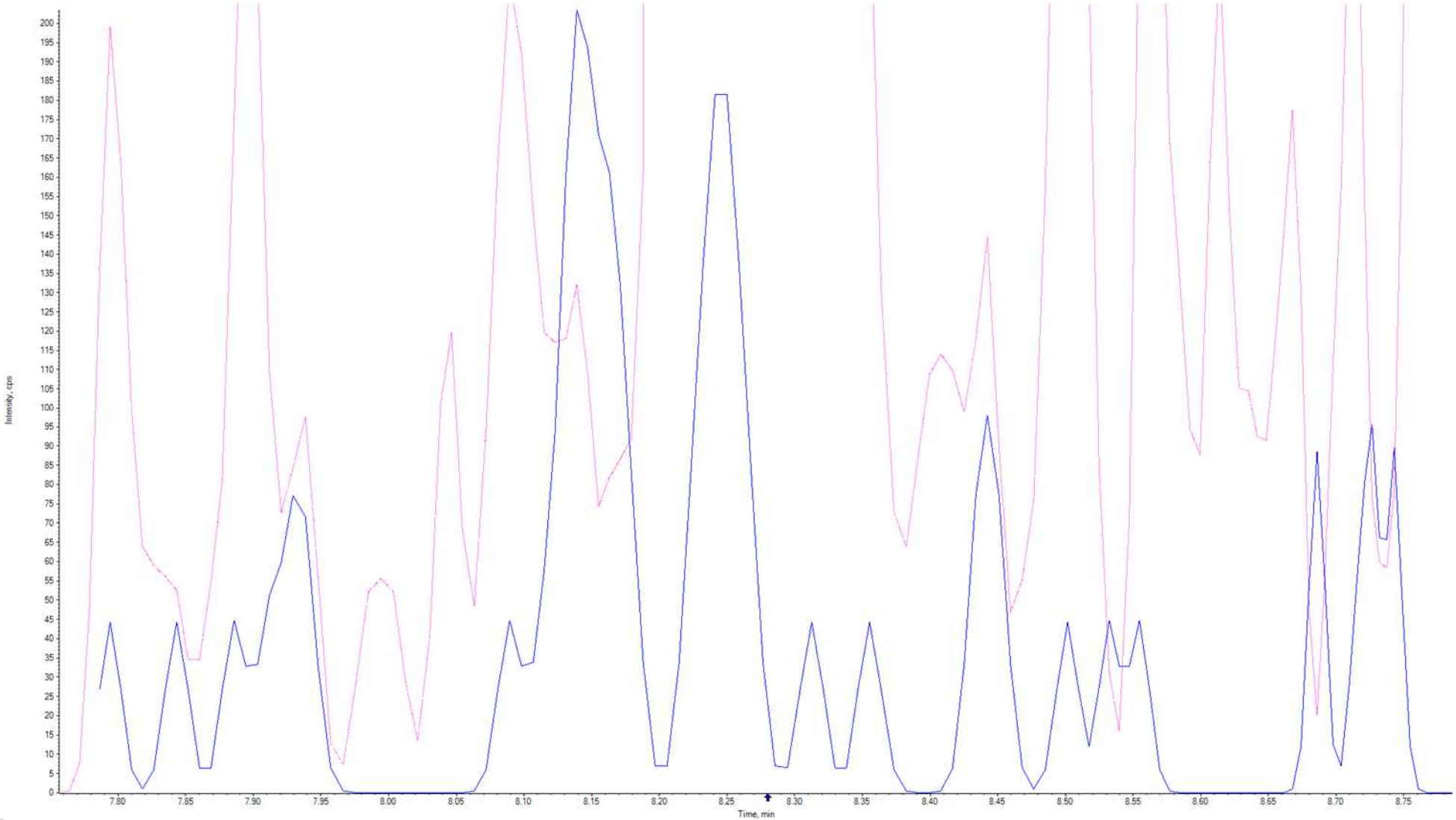

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 9/18/2024 6:35:36 AM

PFNS
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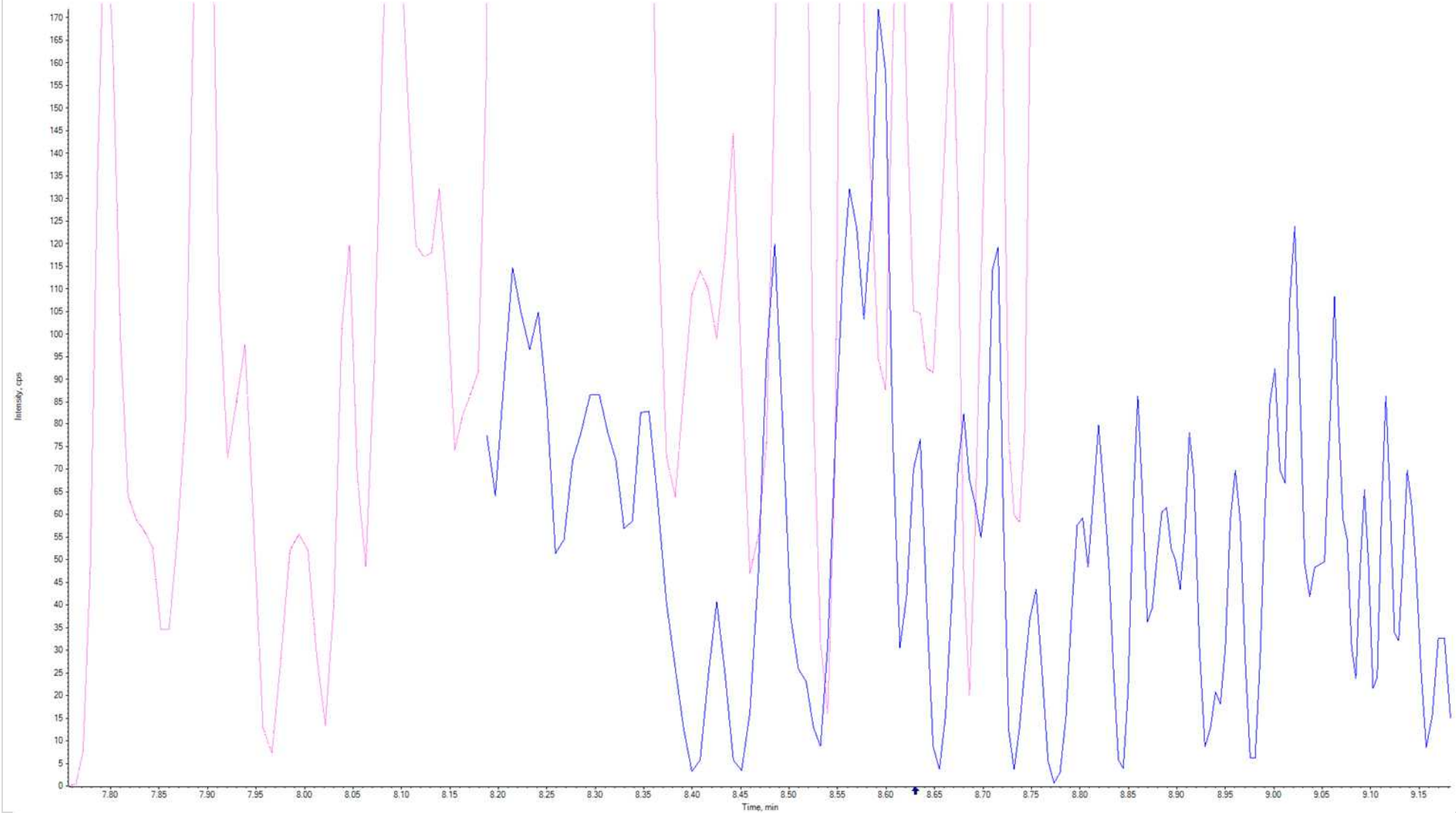

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFNS_2
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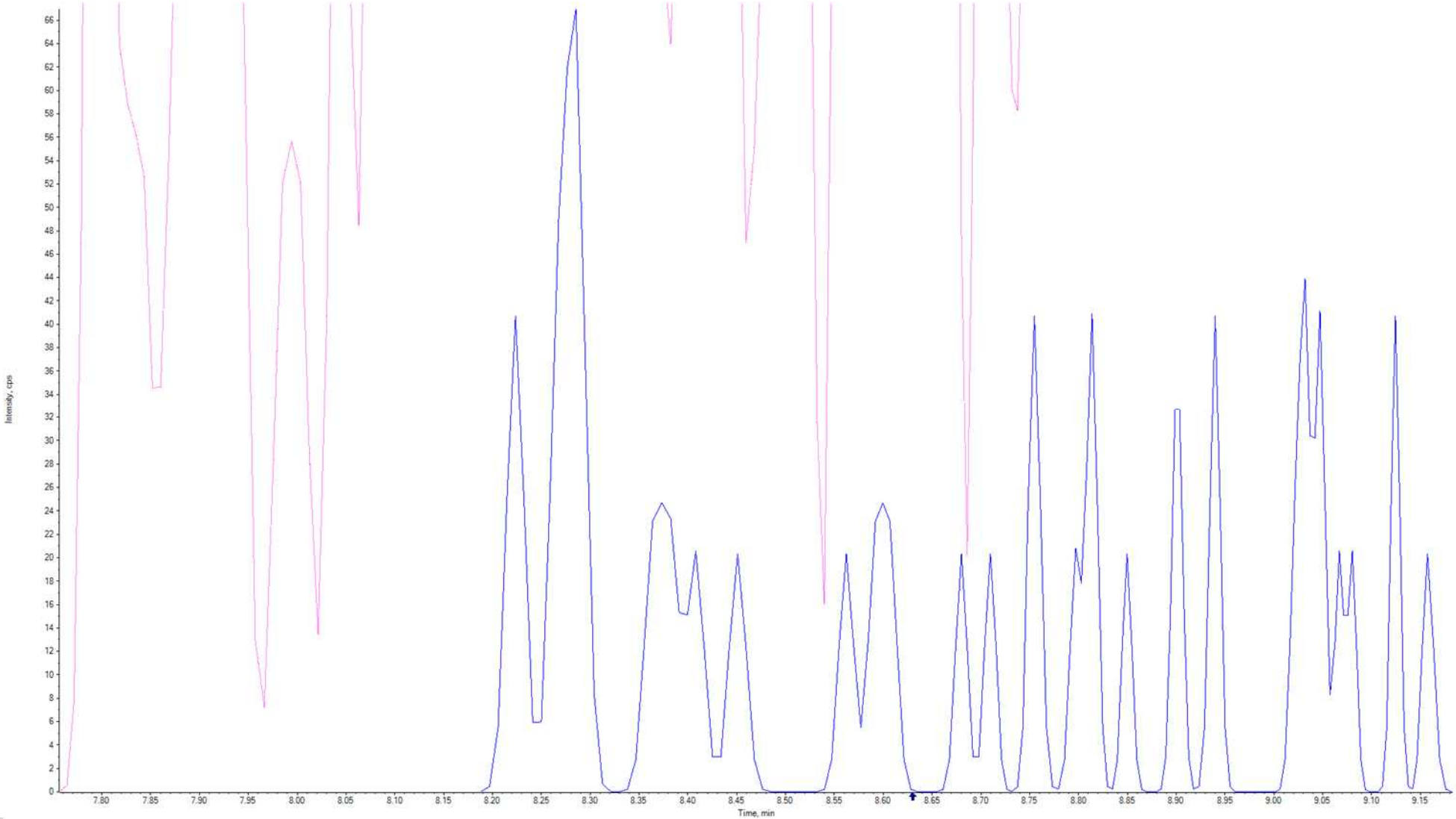

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Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
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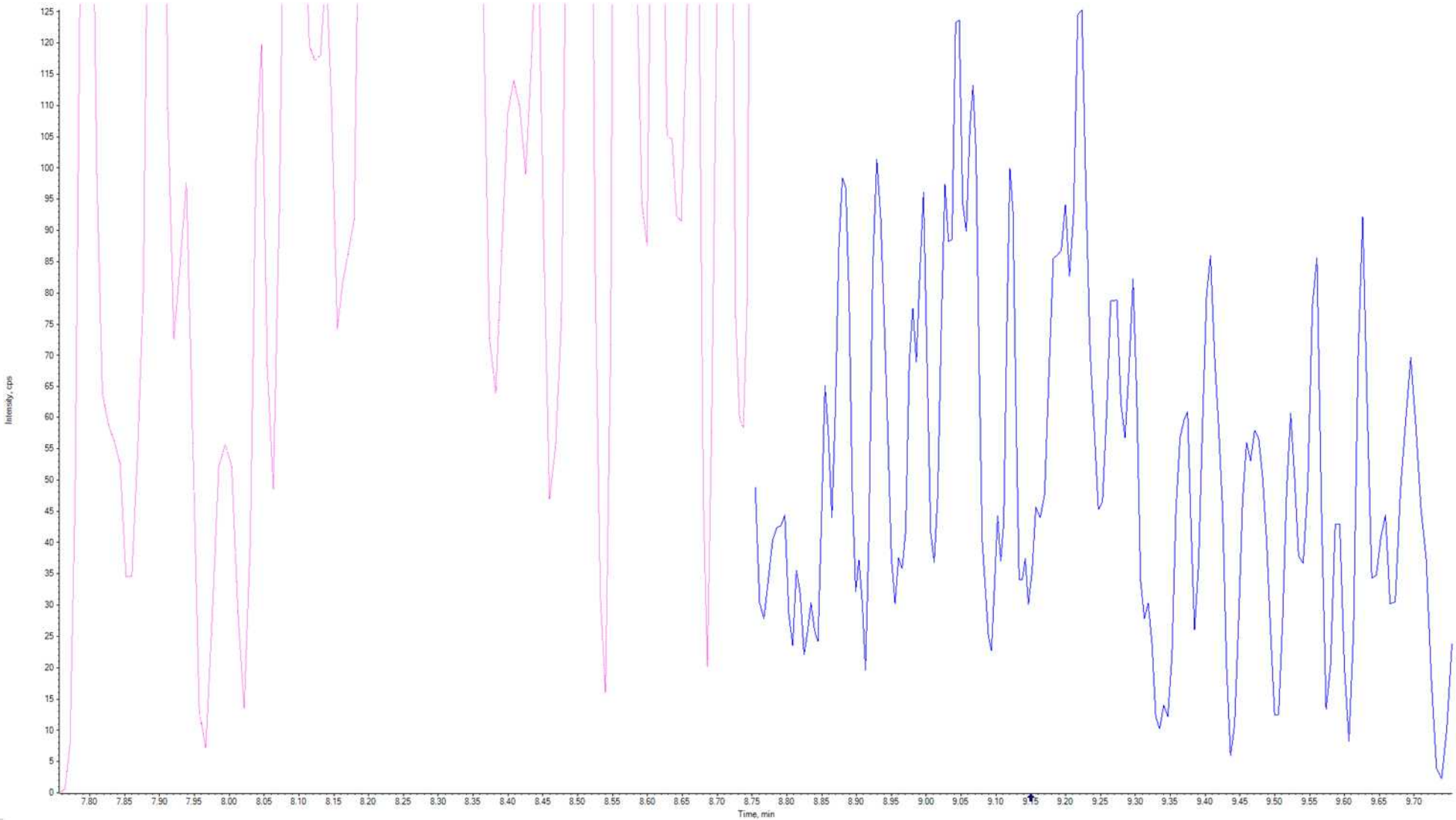

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PFDS_2
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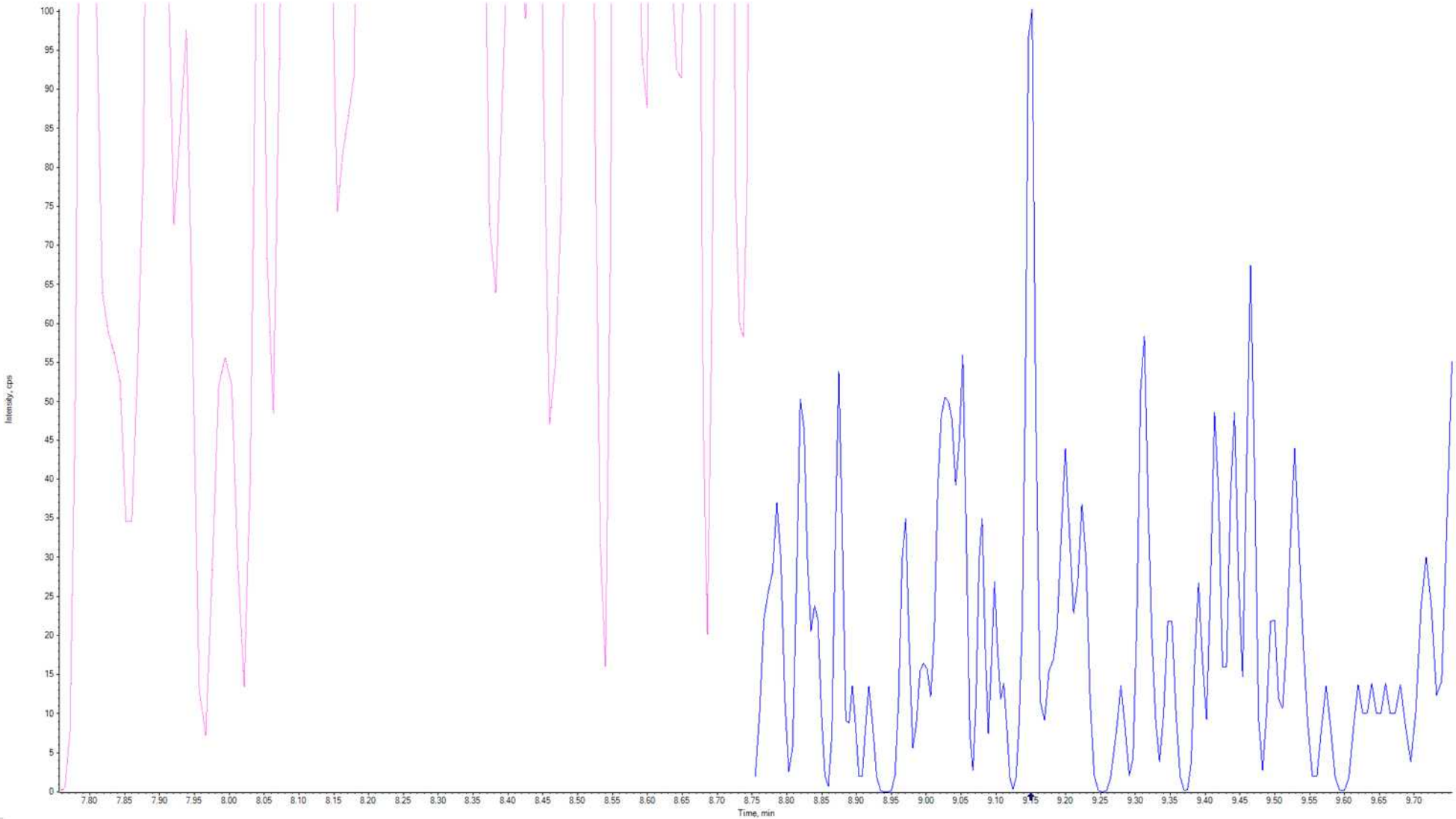

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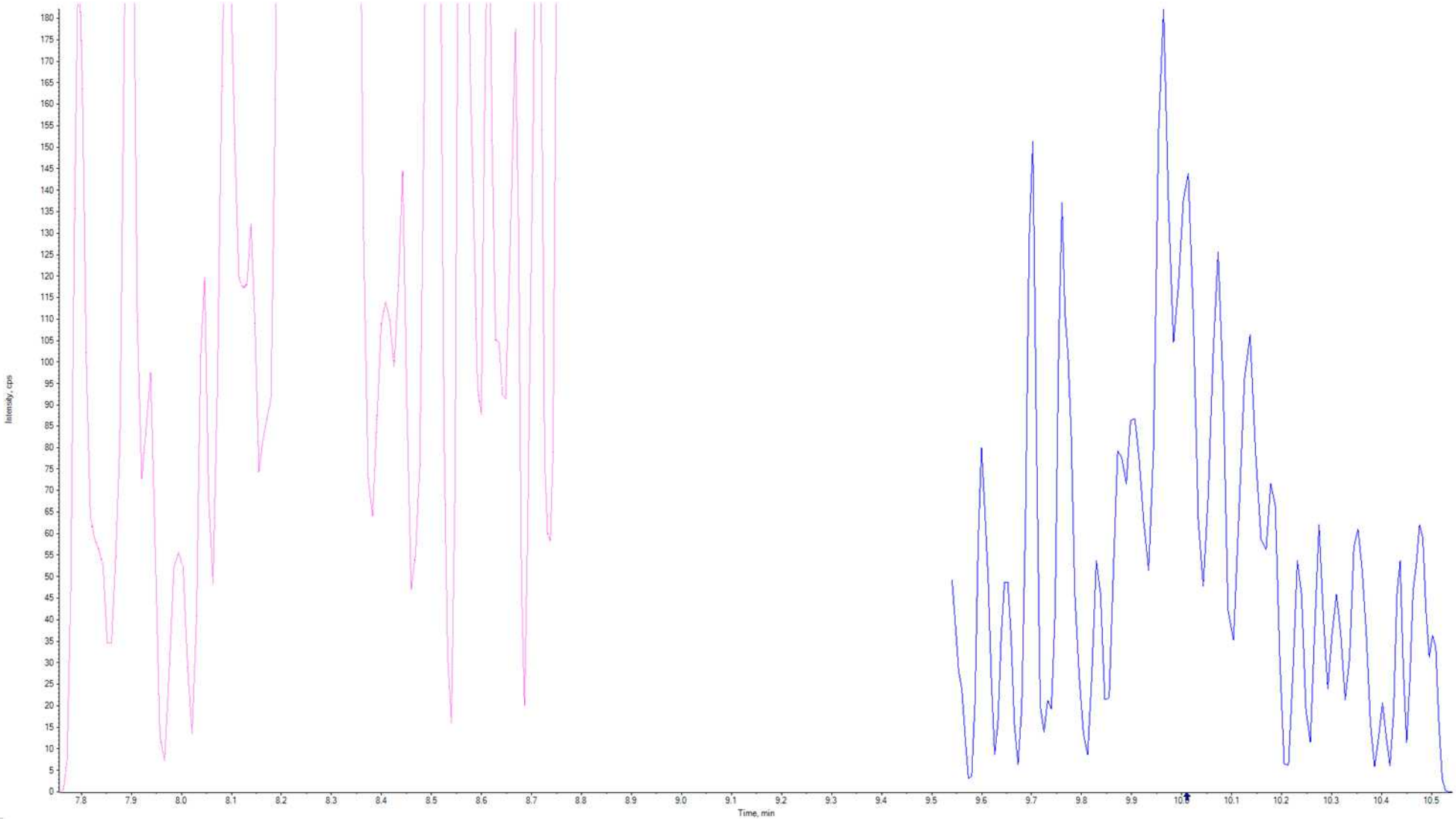
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_19.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
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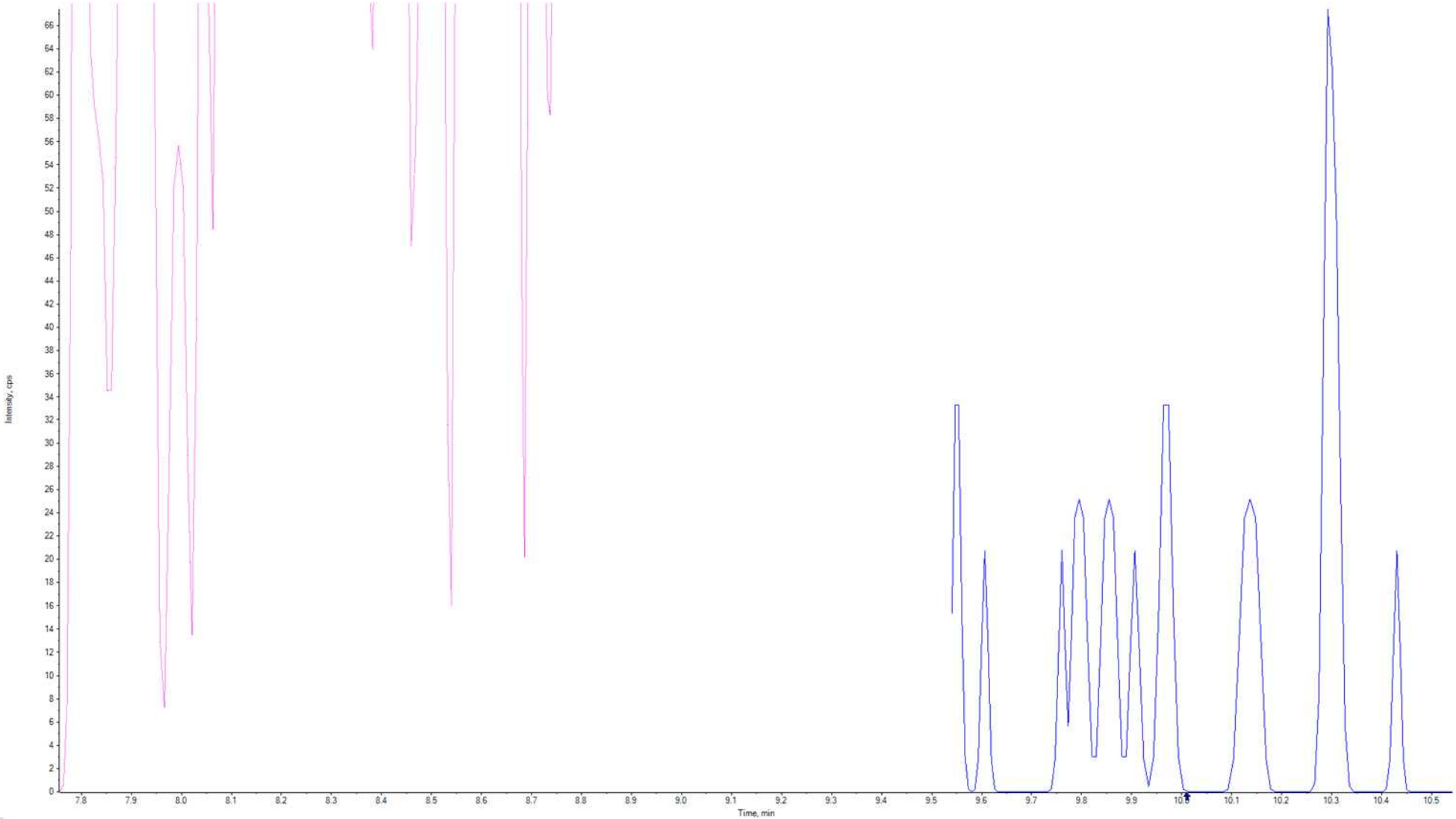

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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4:2FTS
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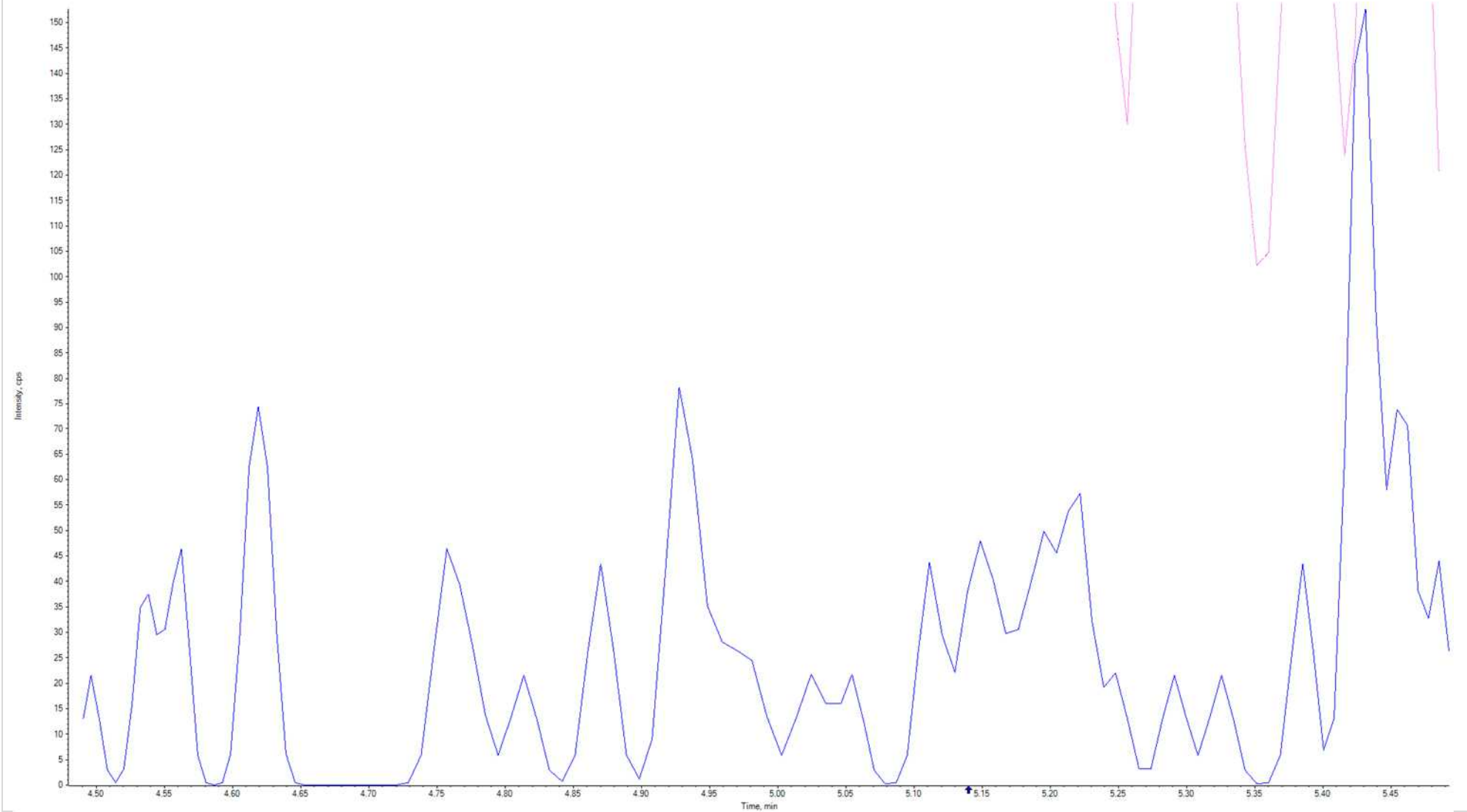

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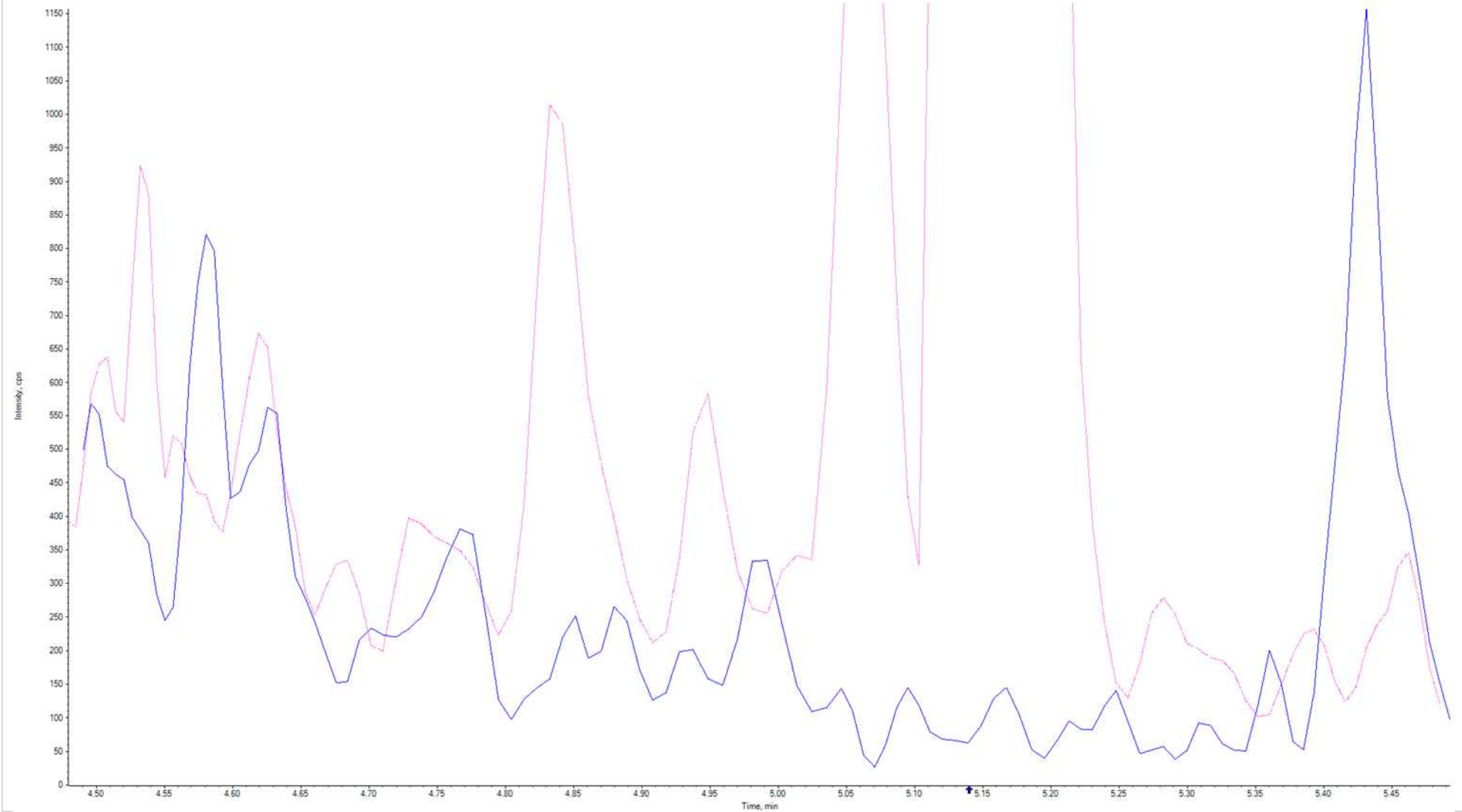

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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6:2FTS
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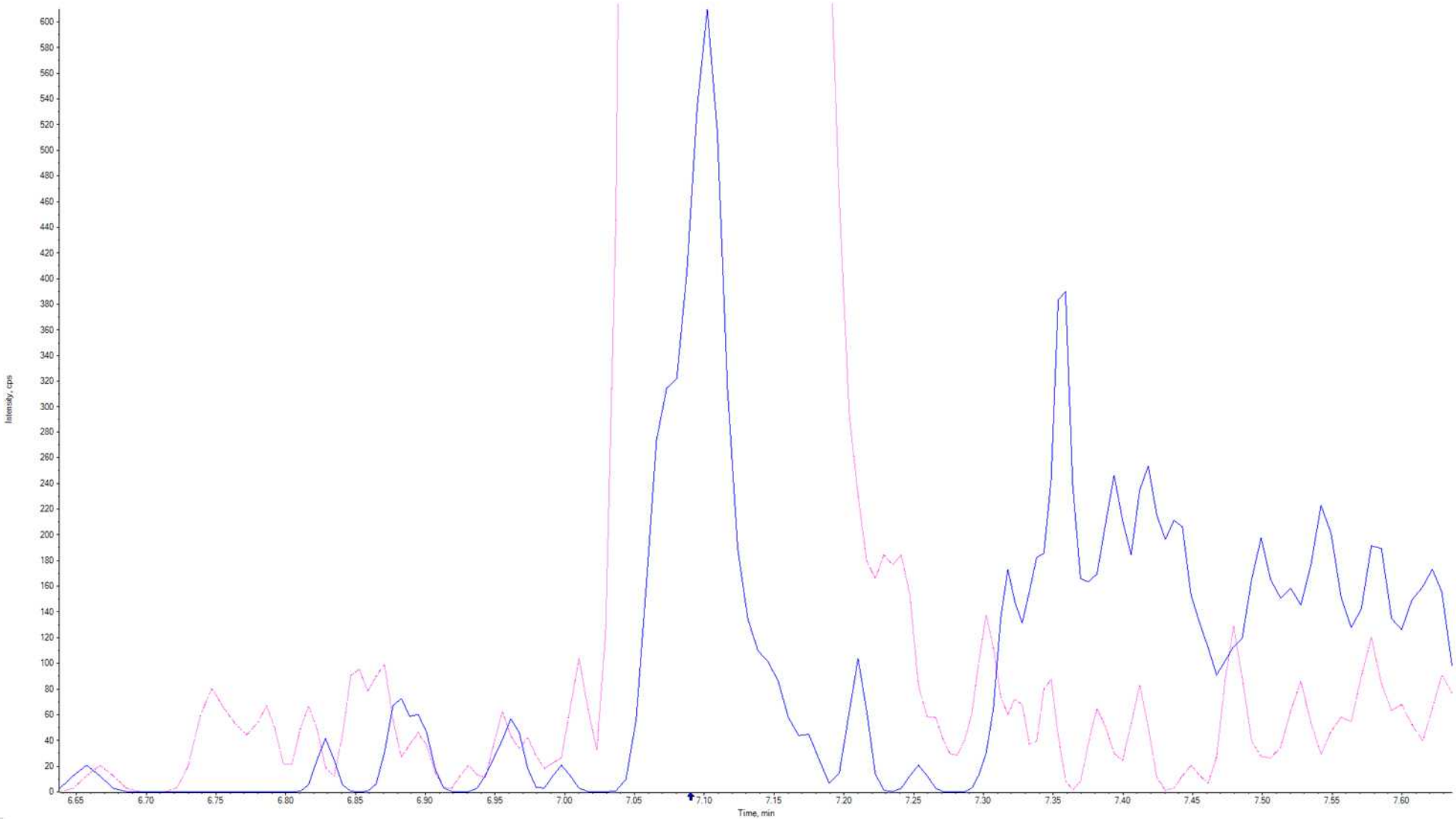

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_19.wiff
Last Altered: 9/18/2024 12:41:54 PM
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6:2FTS_2
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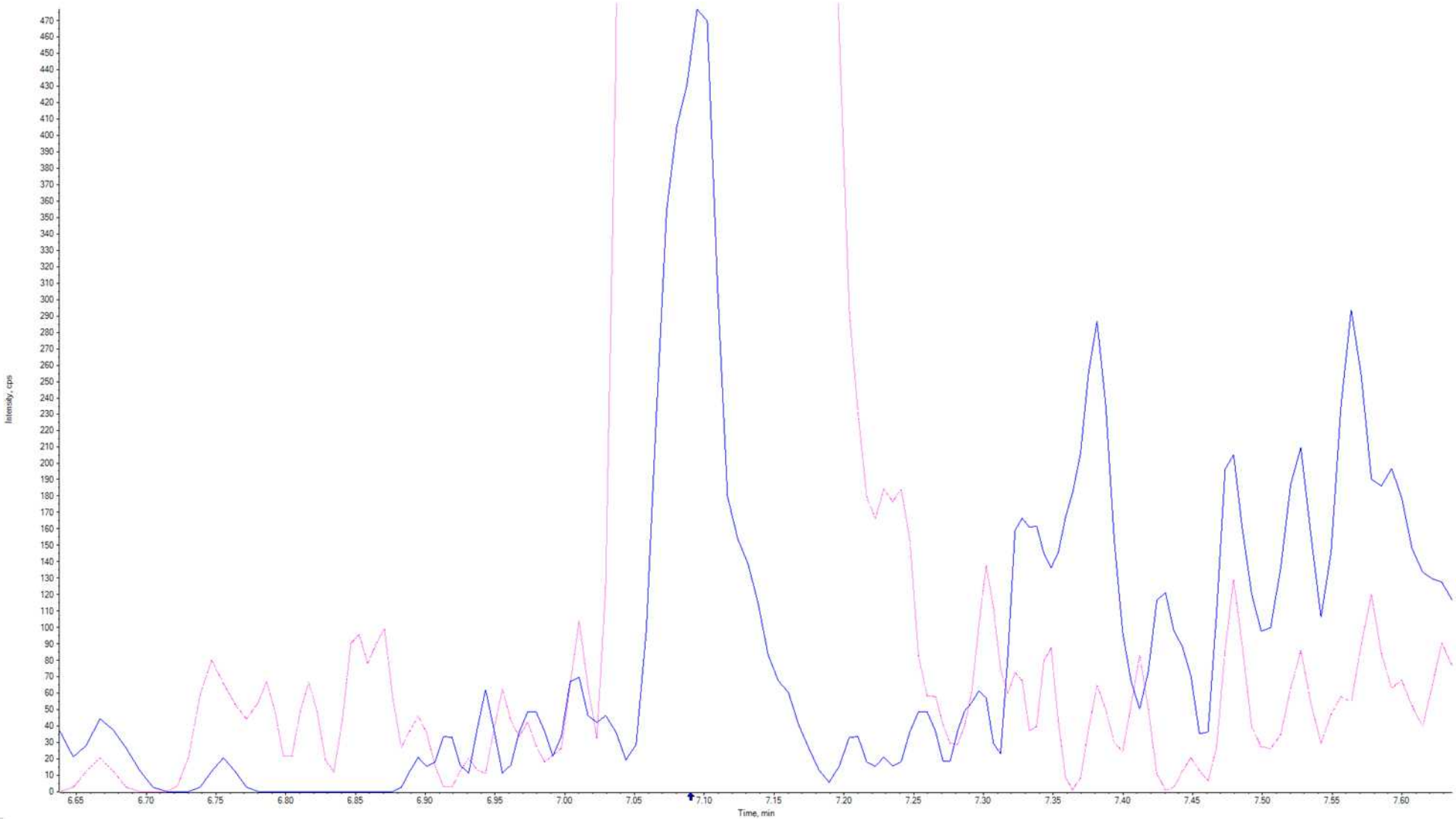

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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8:2FTS
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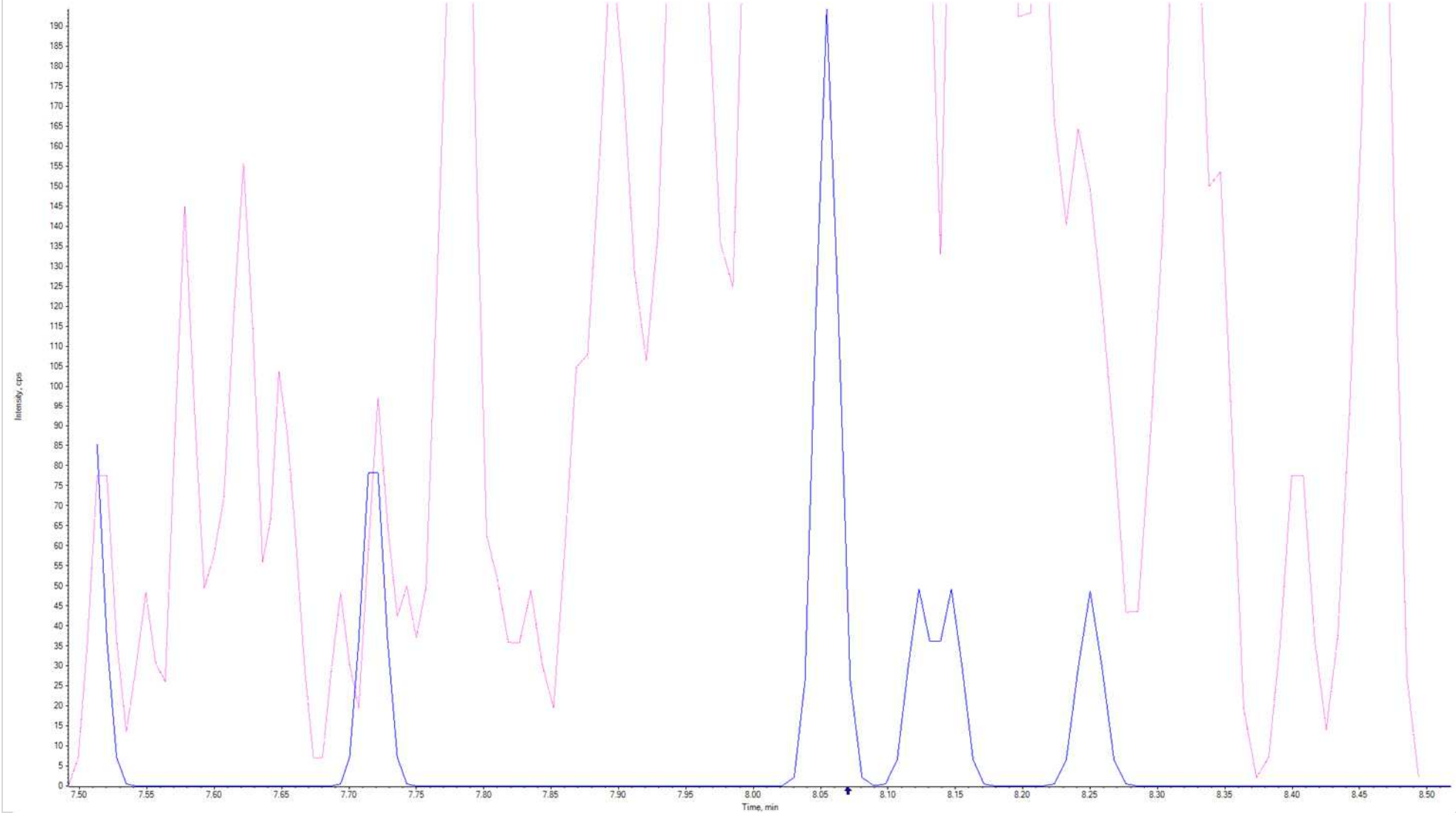

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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8:2FTS_2
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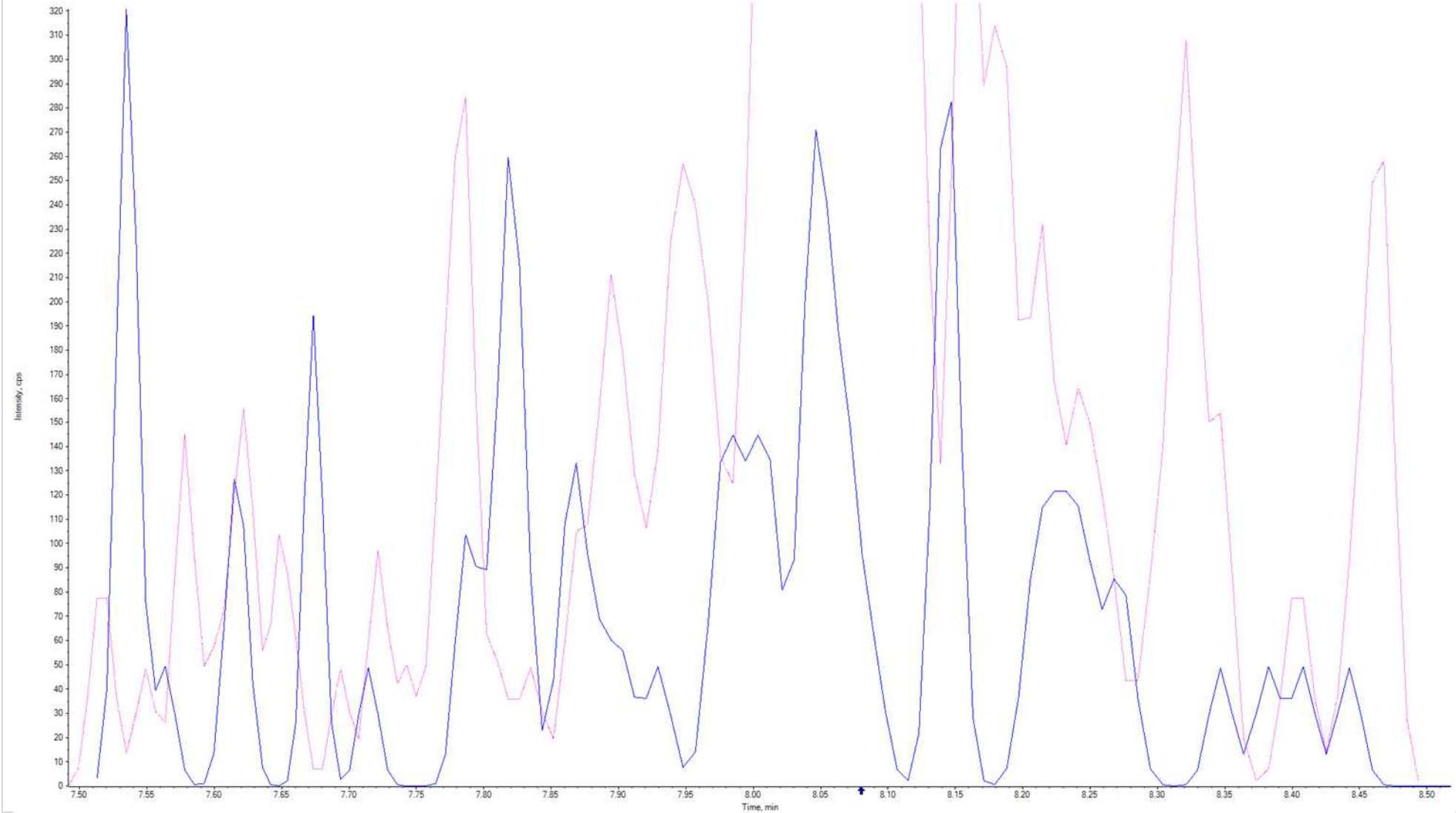

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PFOSA
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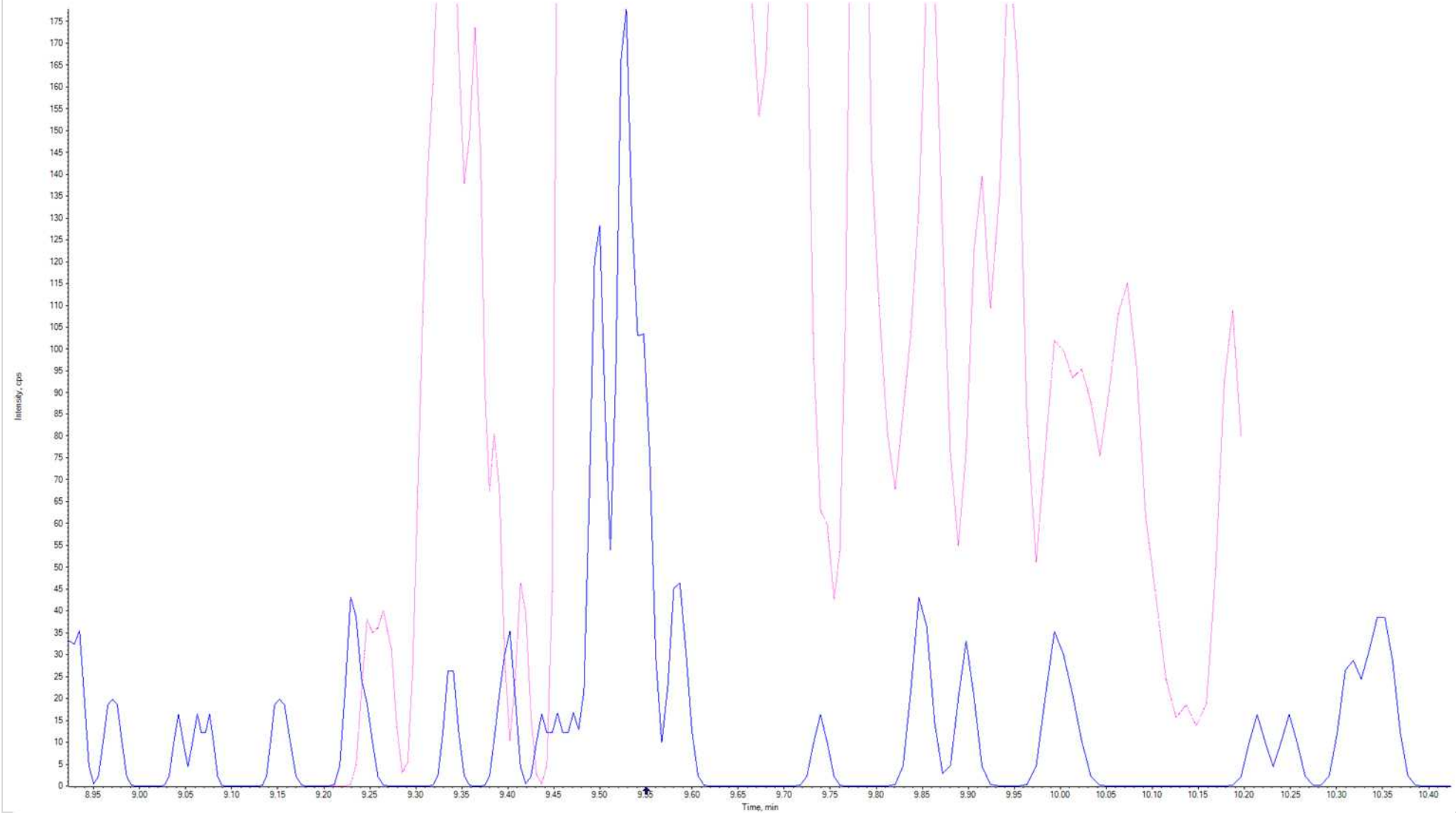

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PFOSA_2
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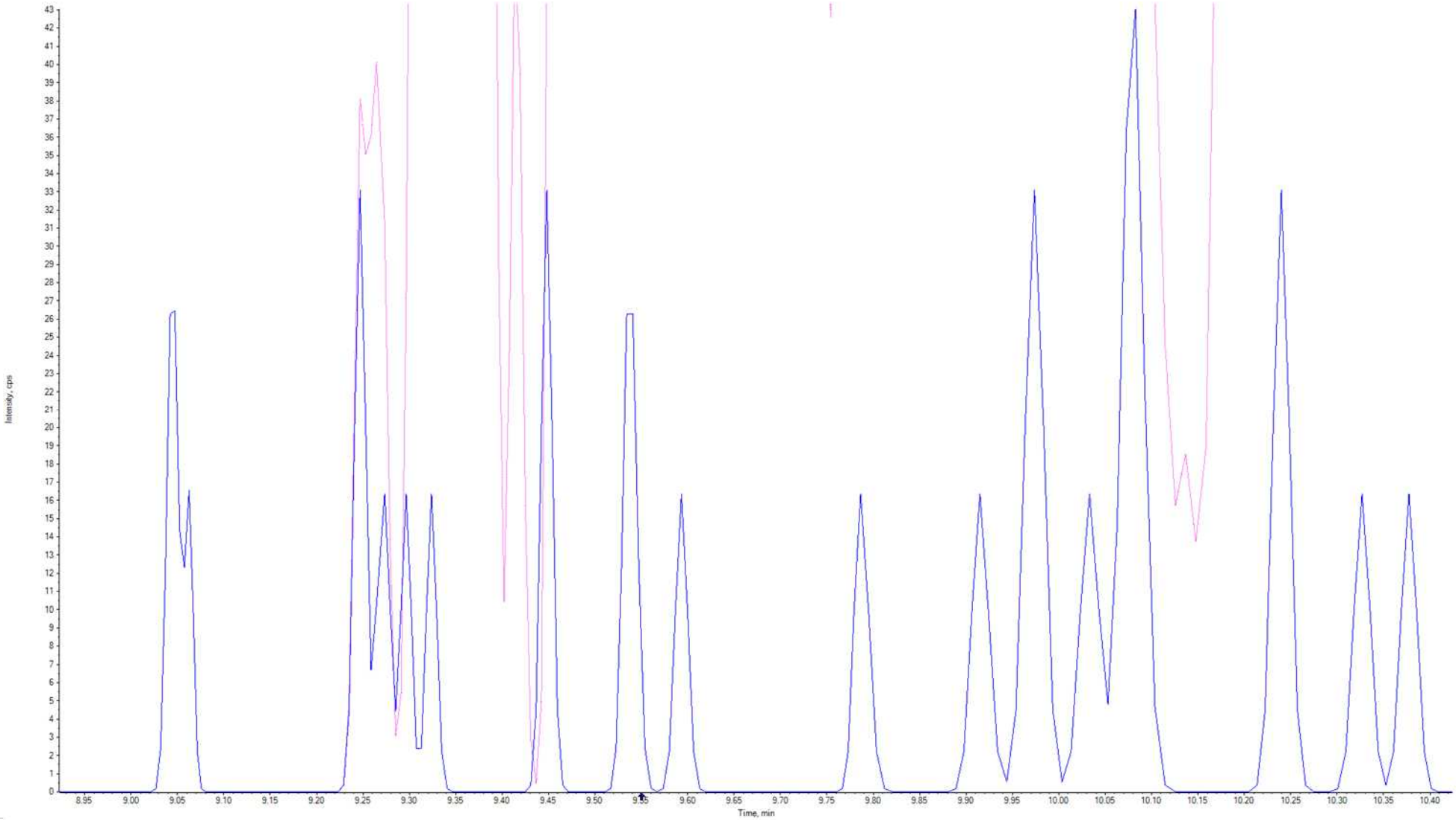

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NMeFOSA
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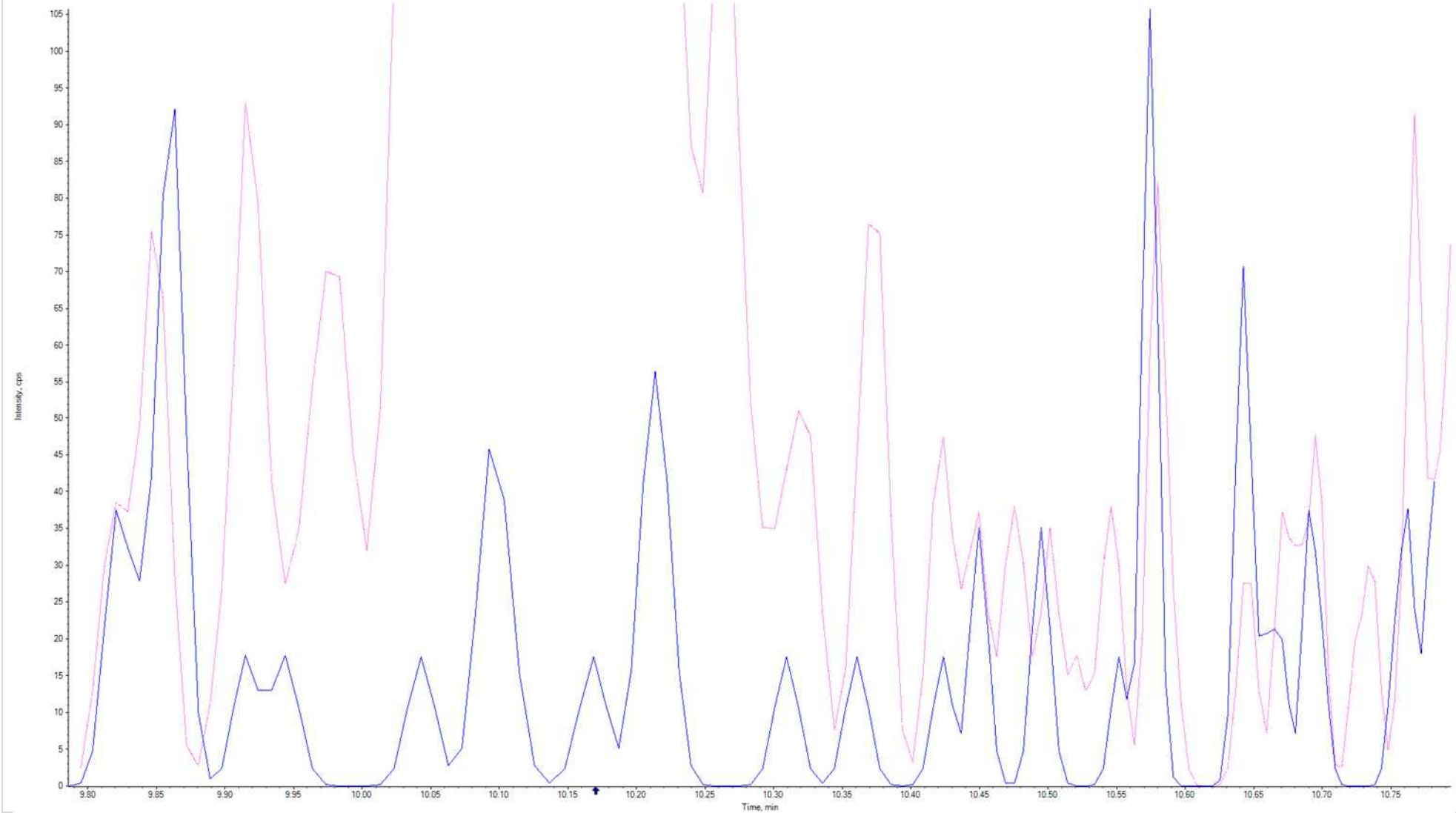

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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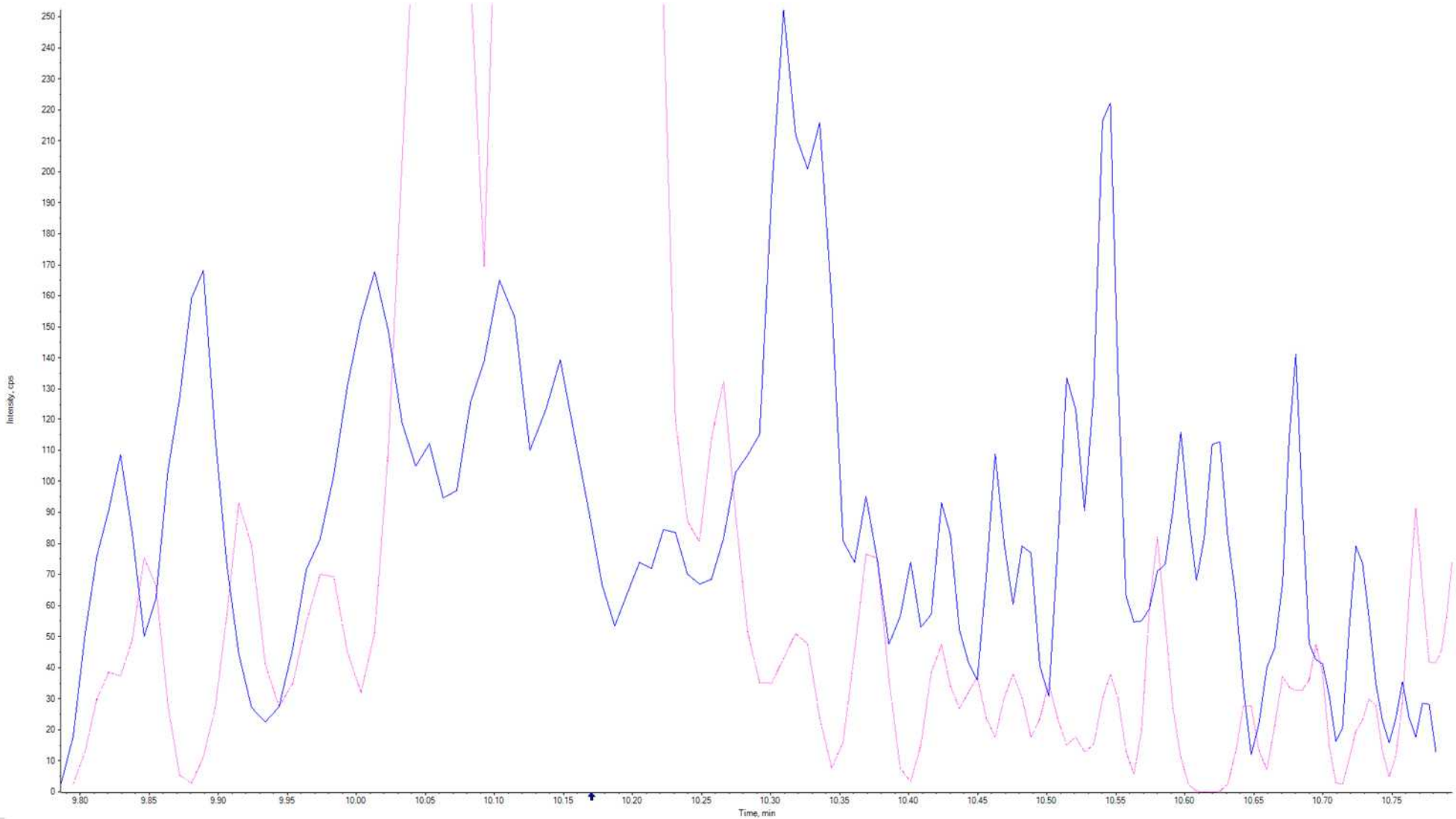

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 12:41:54 PM
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NEtFOSA
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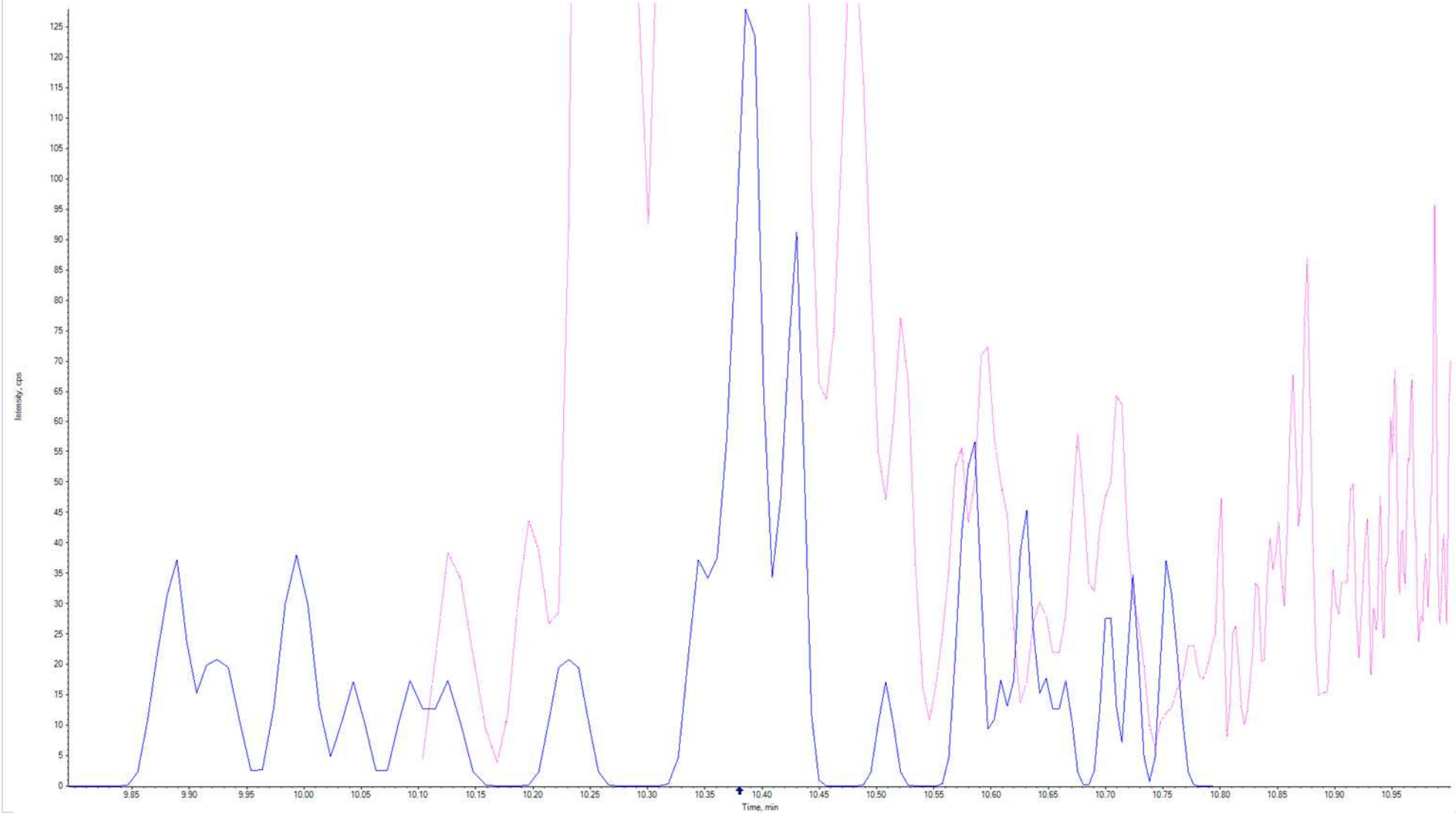

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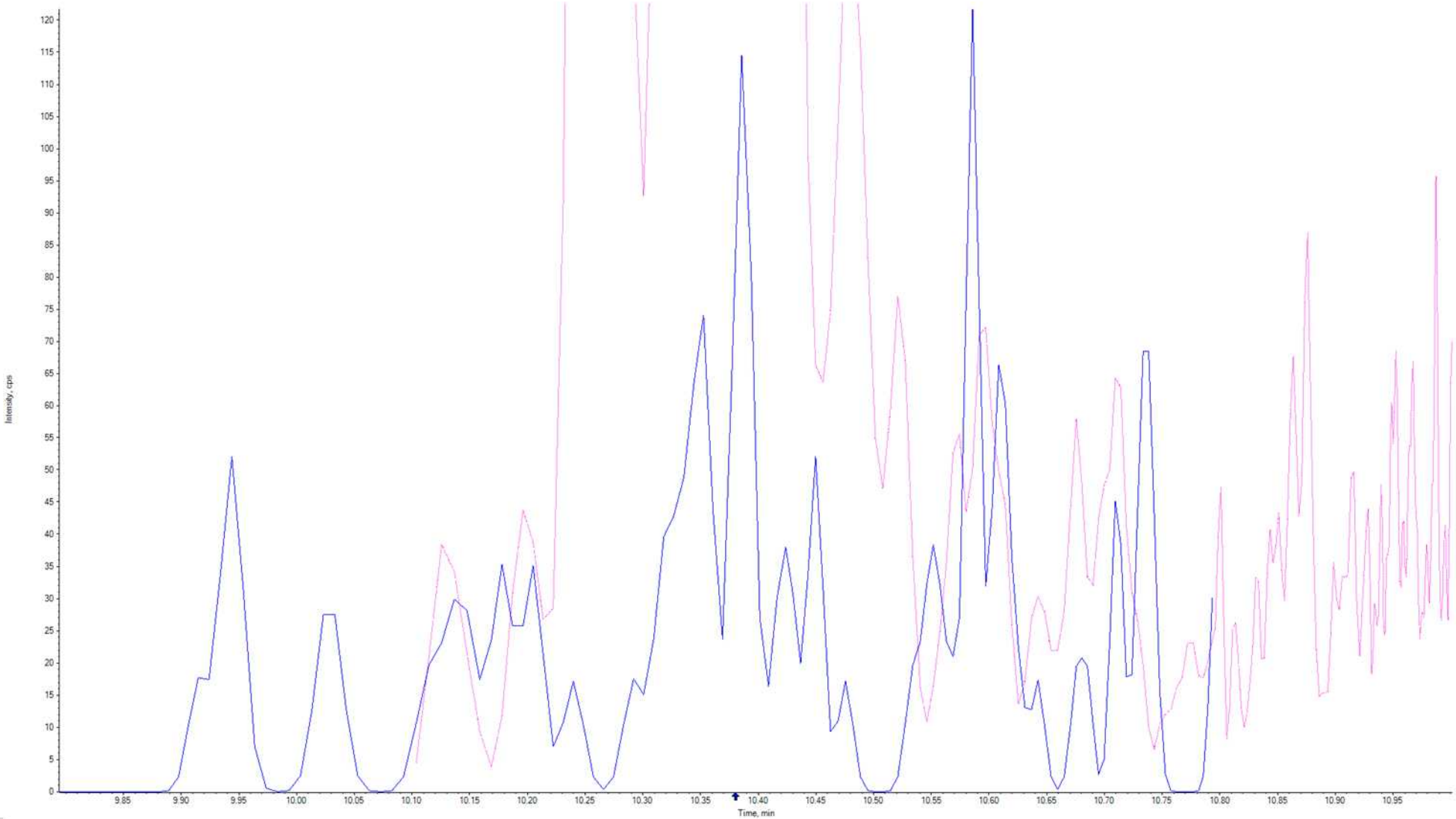

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NMeFOSAA
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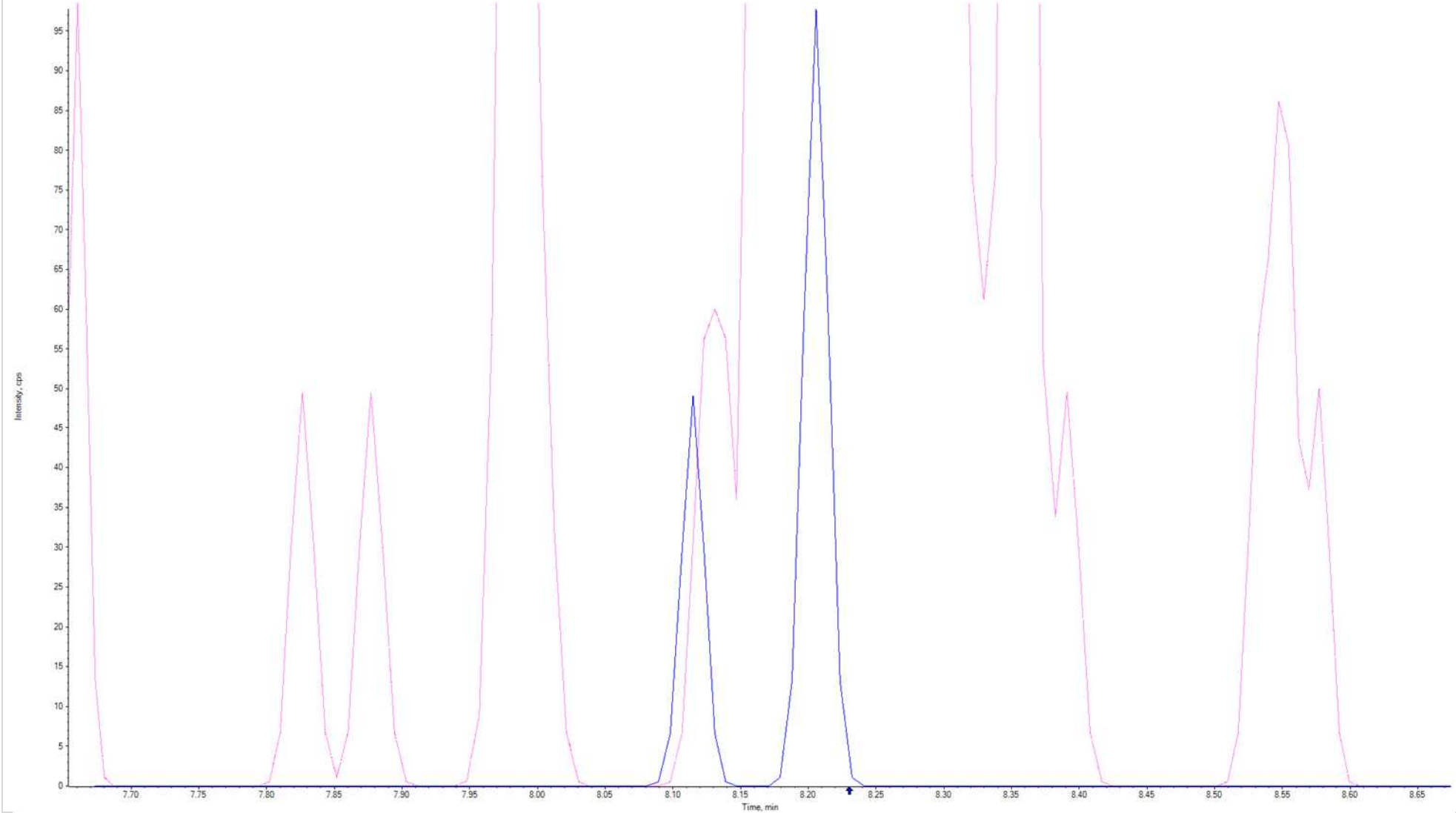

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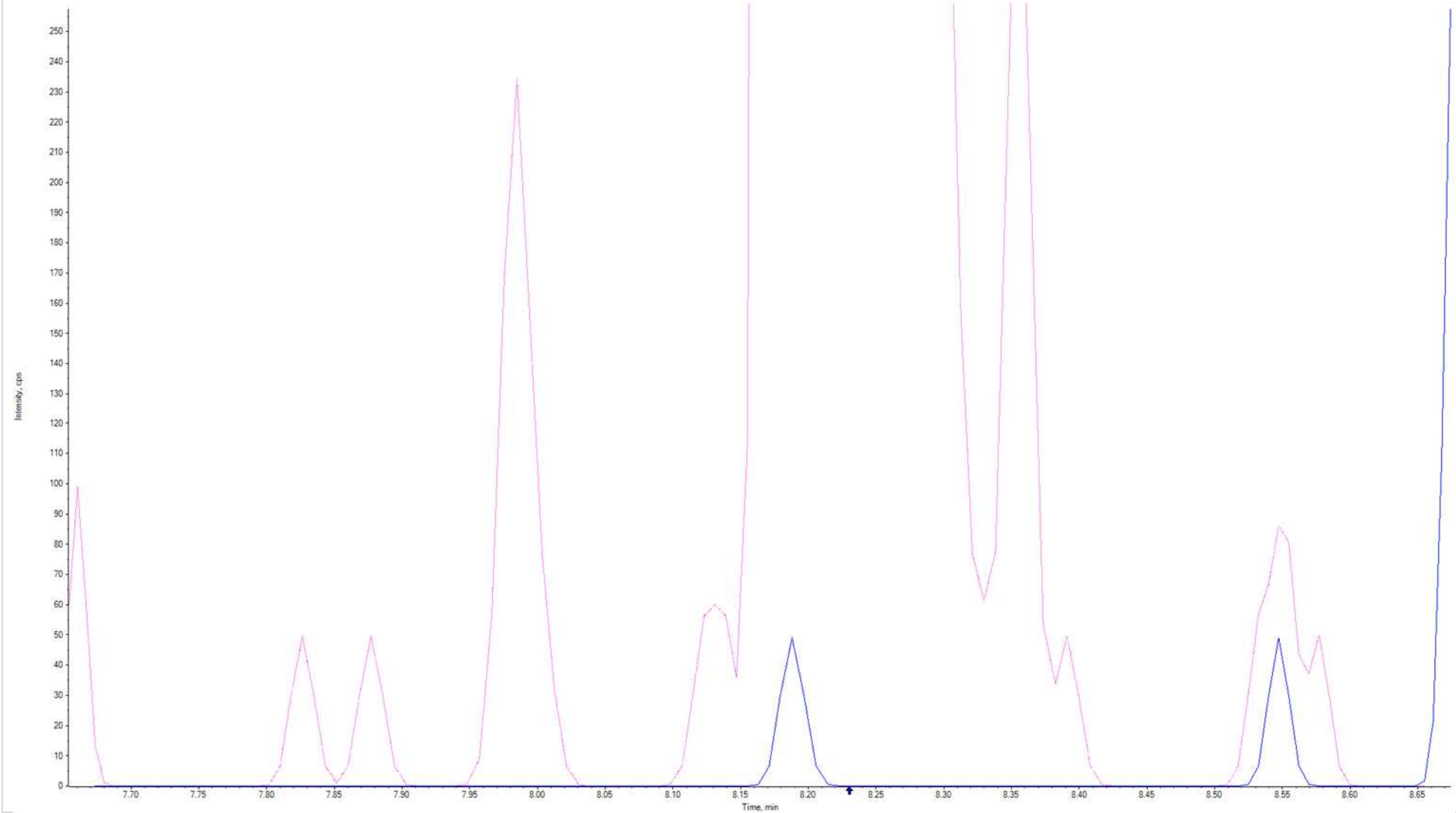

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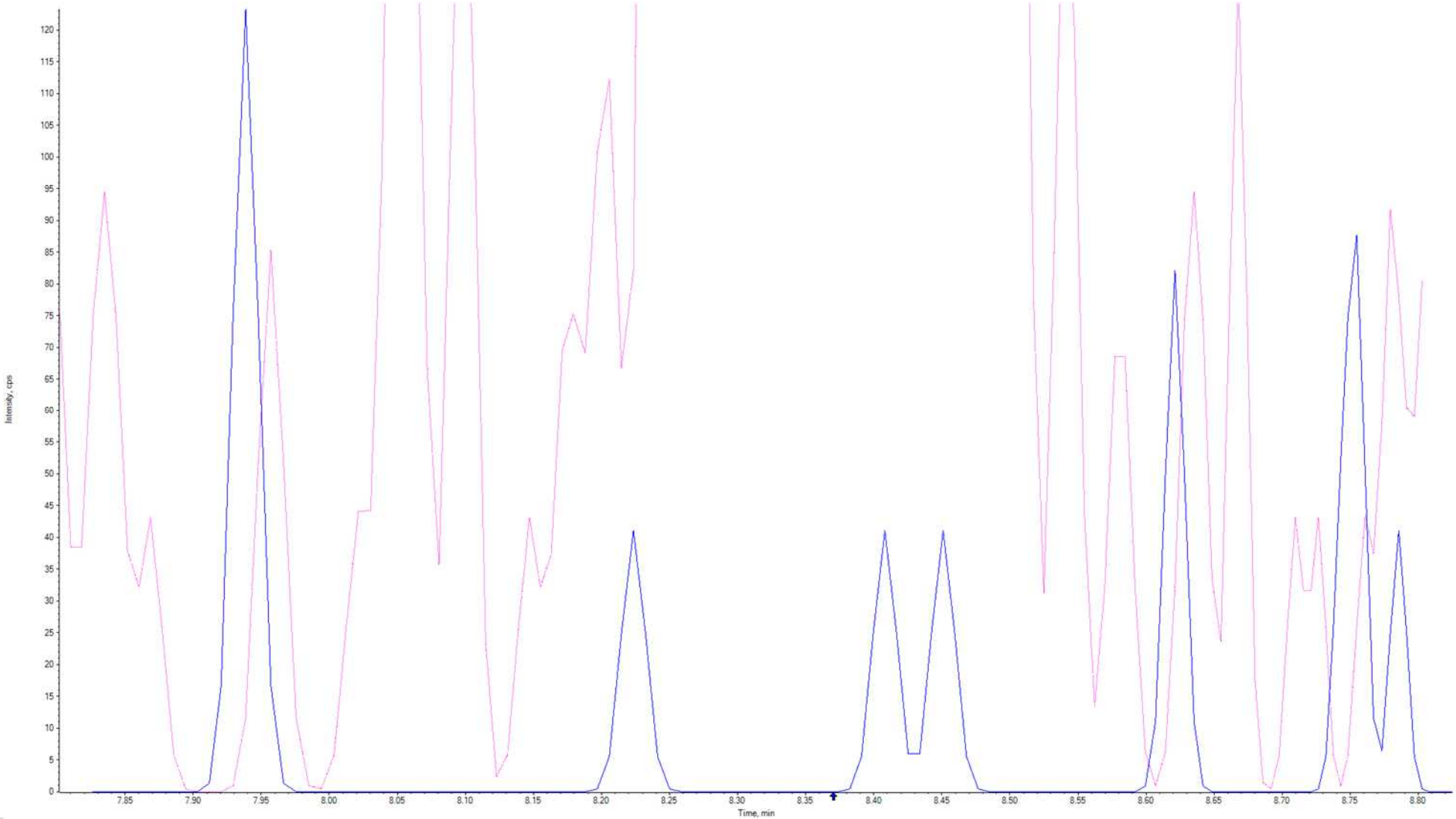

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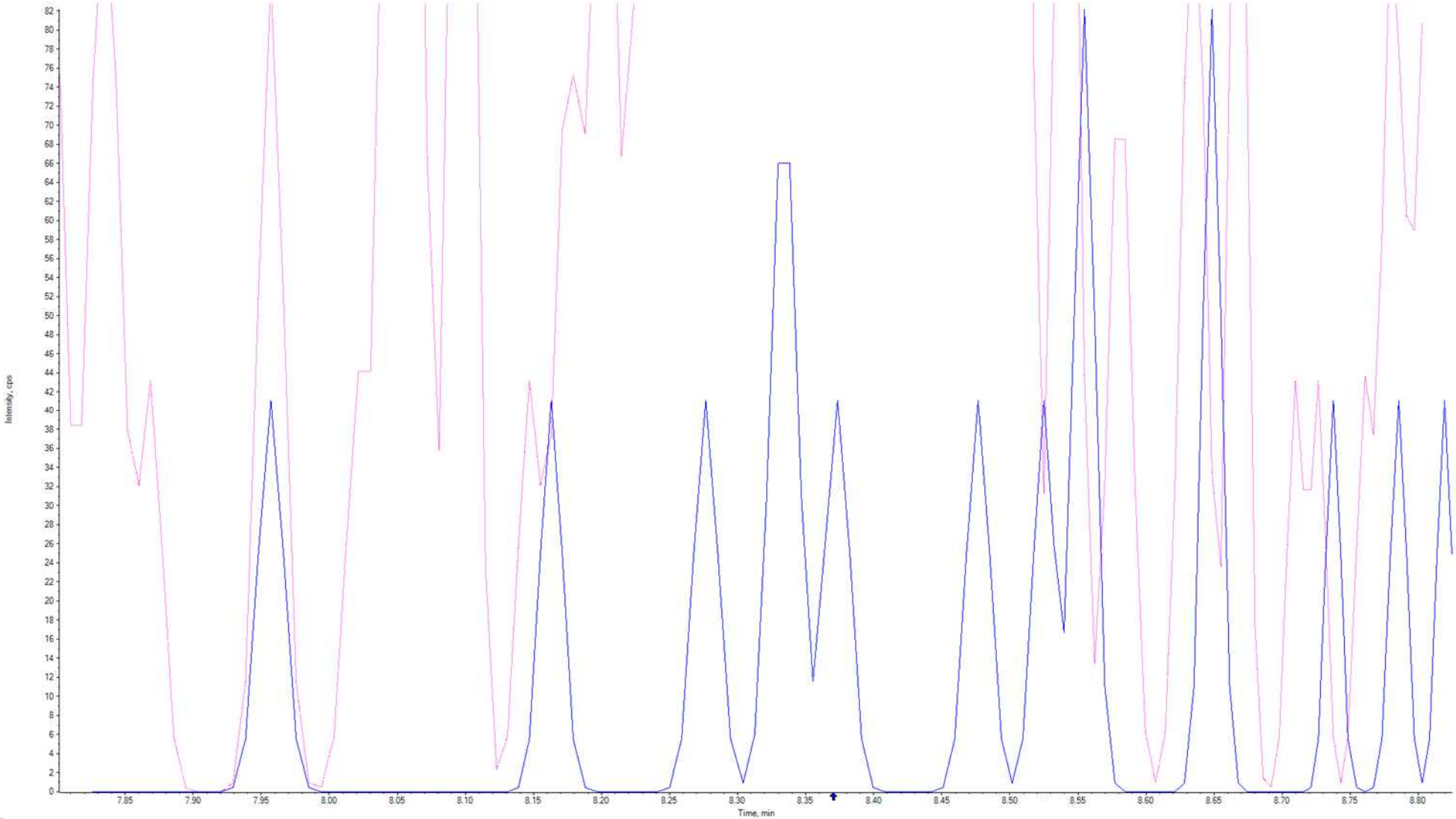

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NMeFOSE
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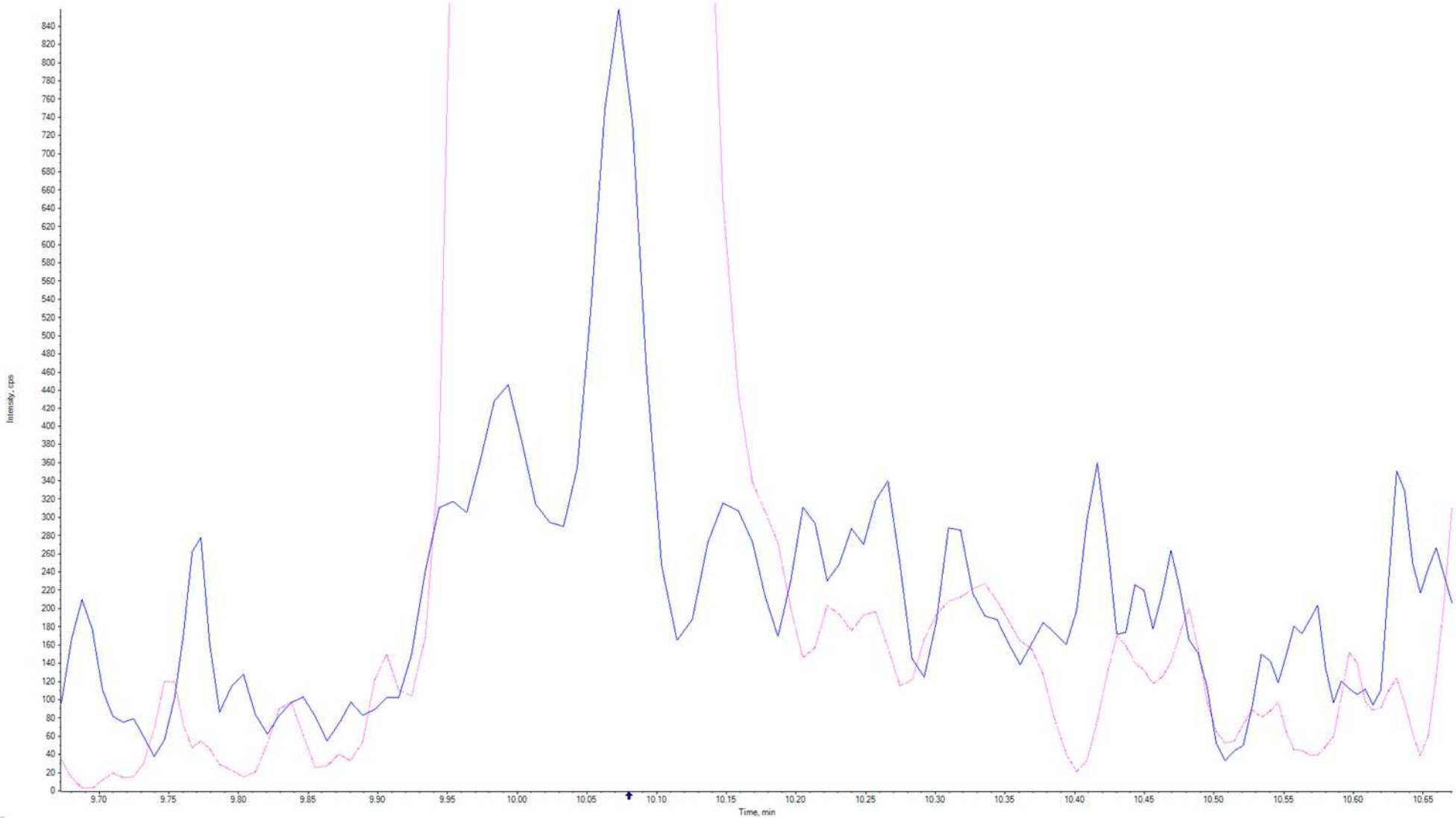

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NEtFOSE
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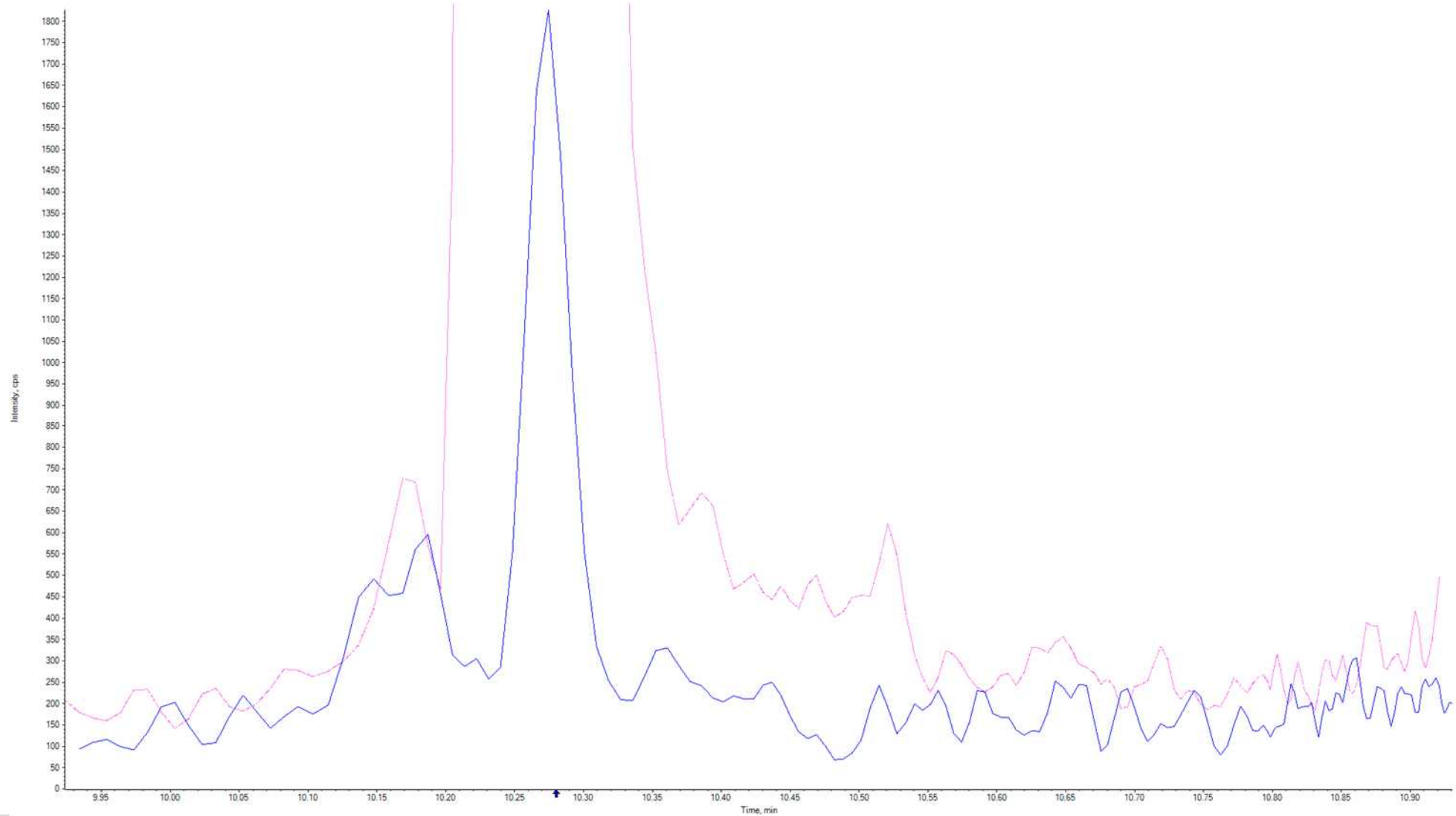

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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HFPO-DA
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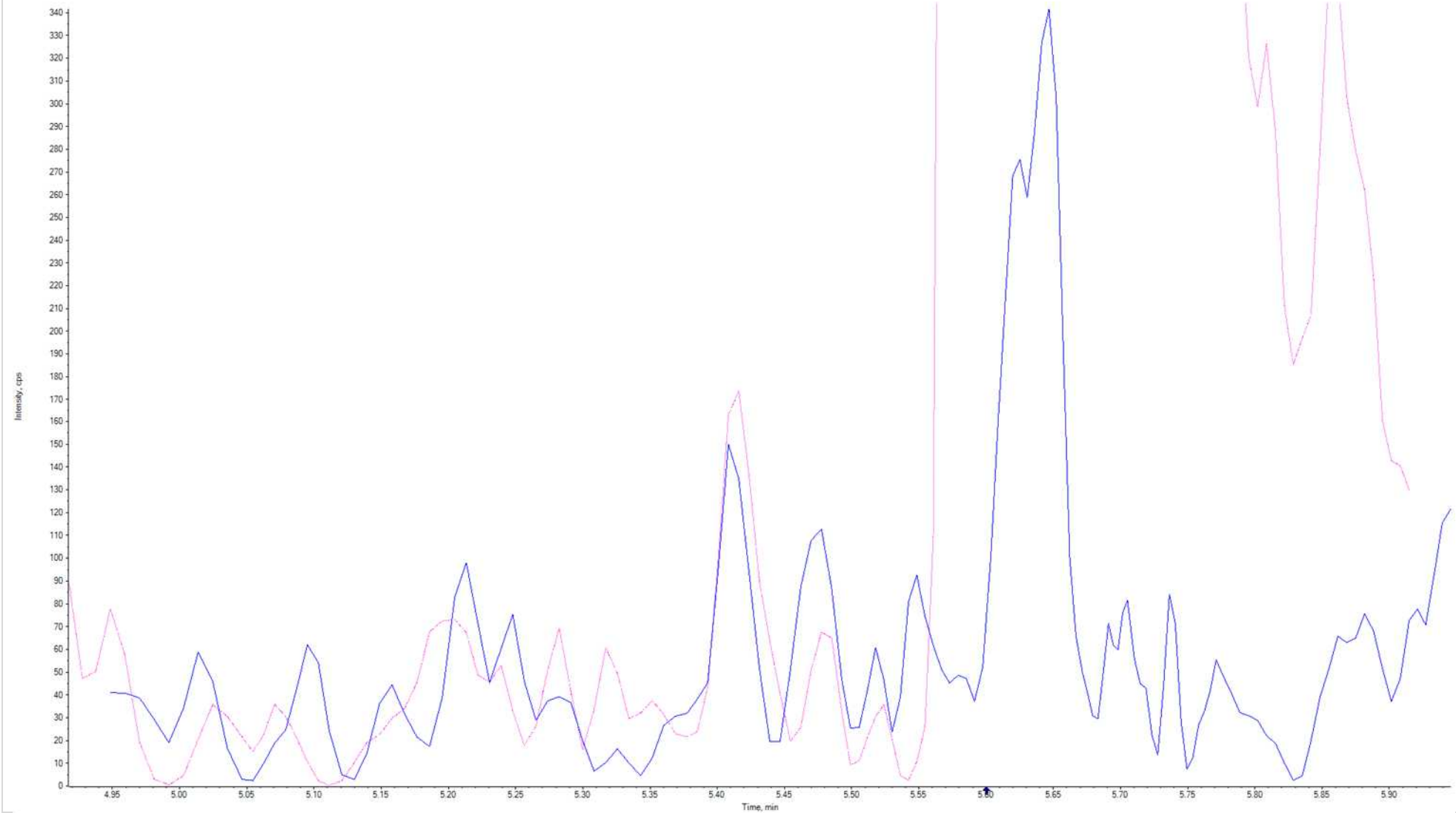

HFPO-DA_2
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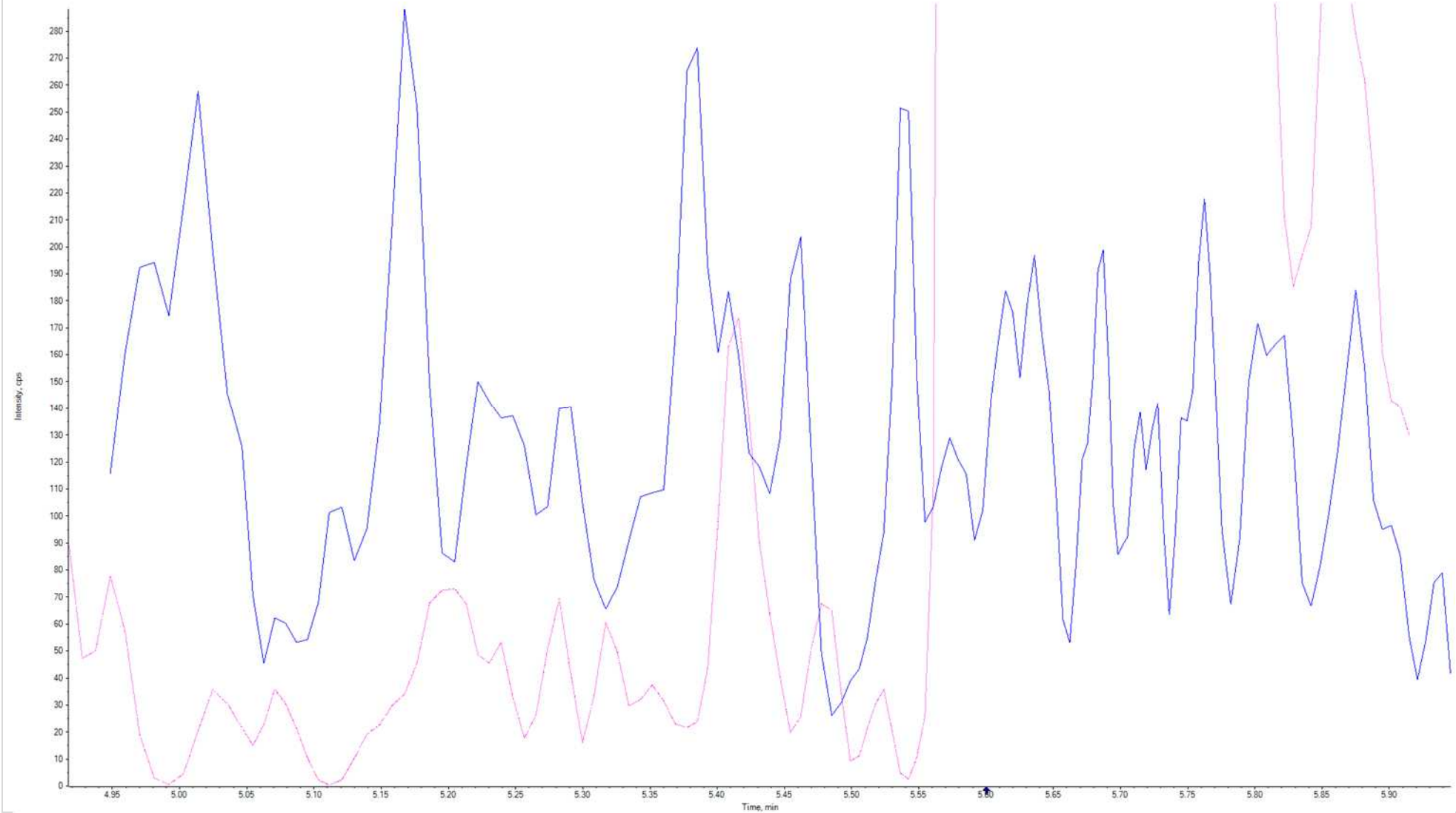

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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ADONA
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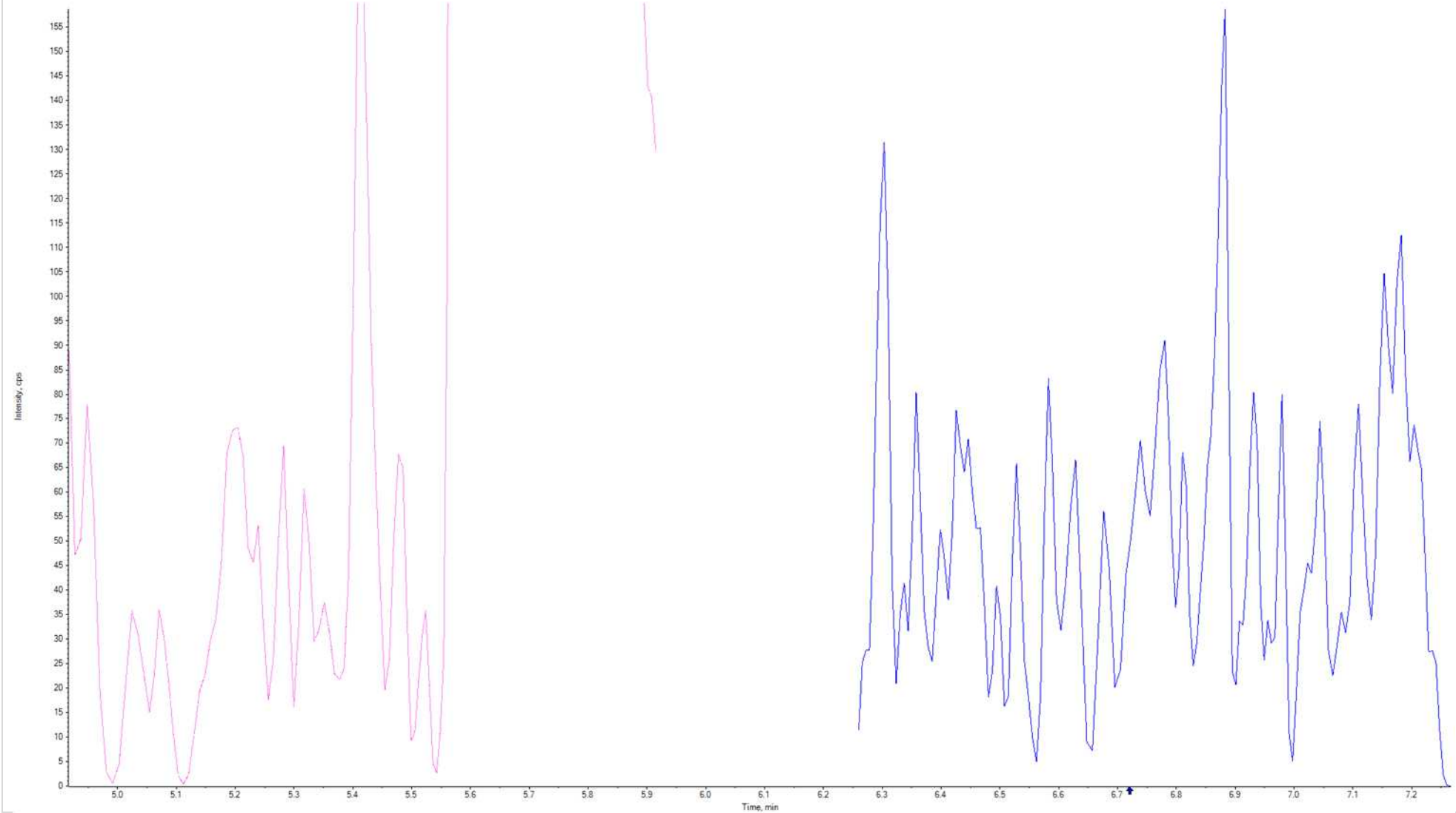

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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ADONA_2
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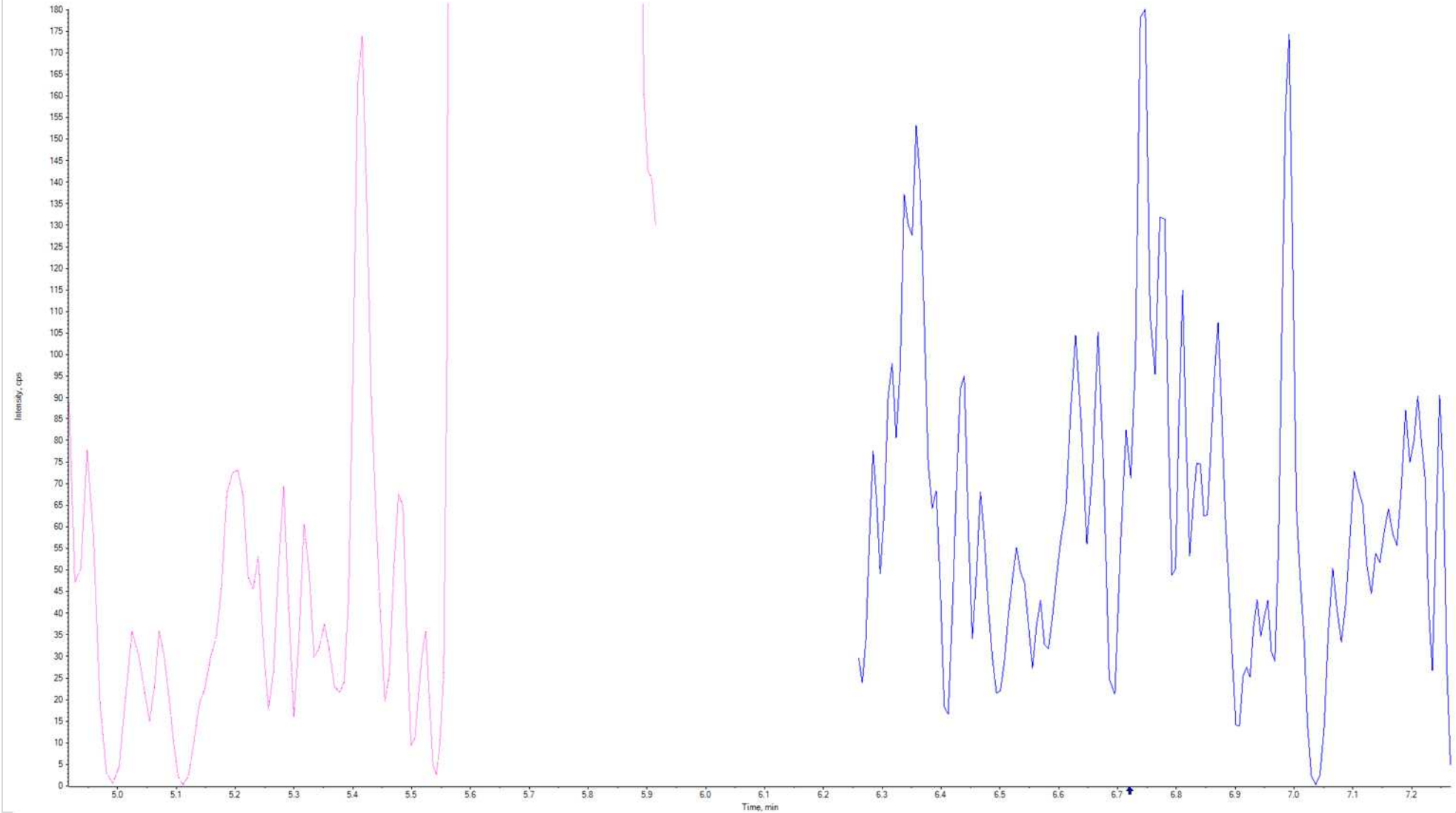

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS
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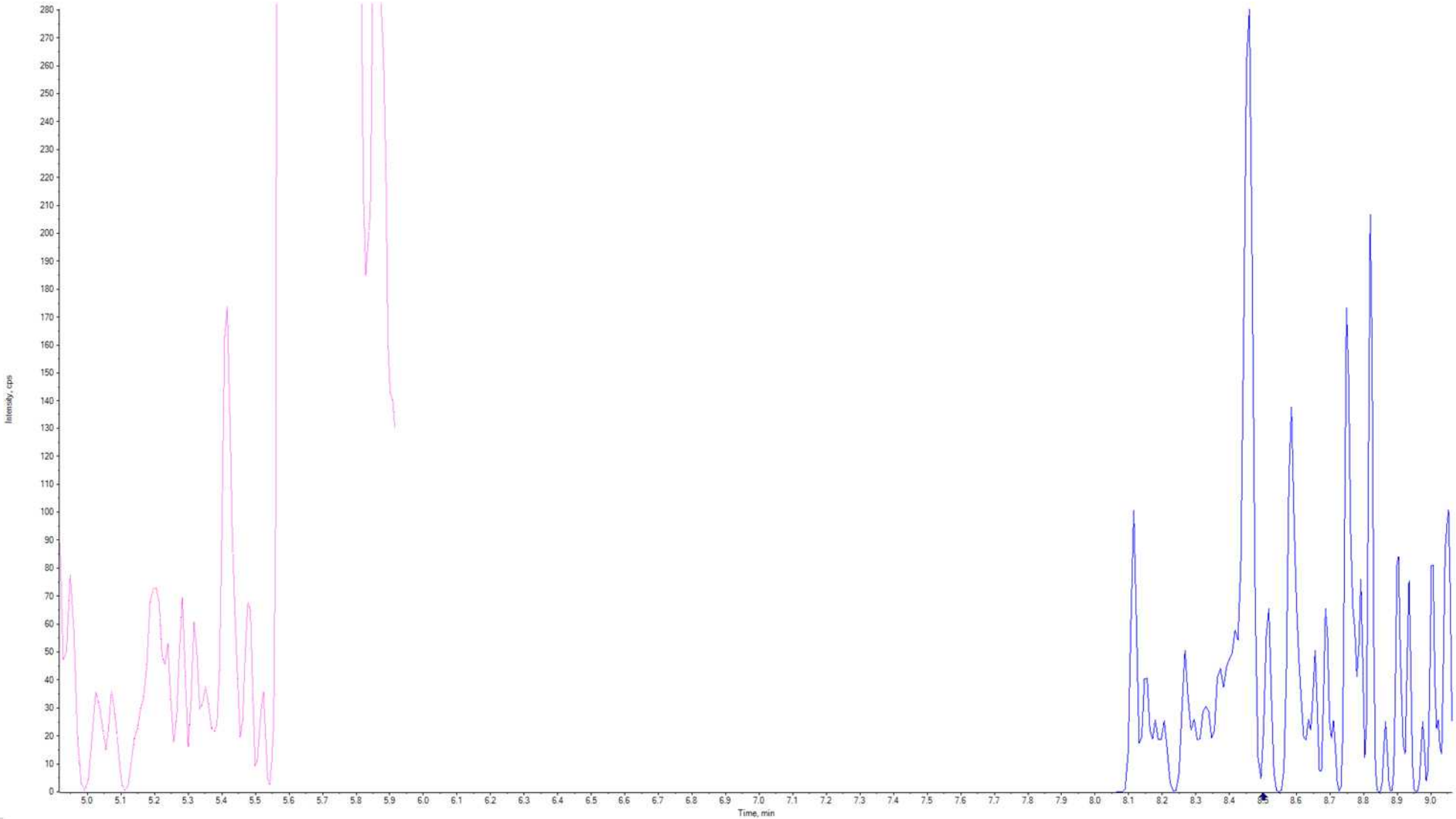

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS_2
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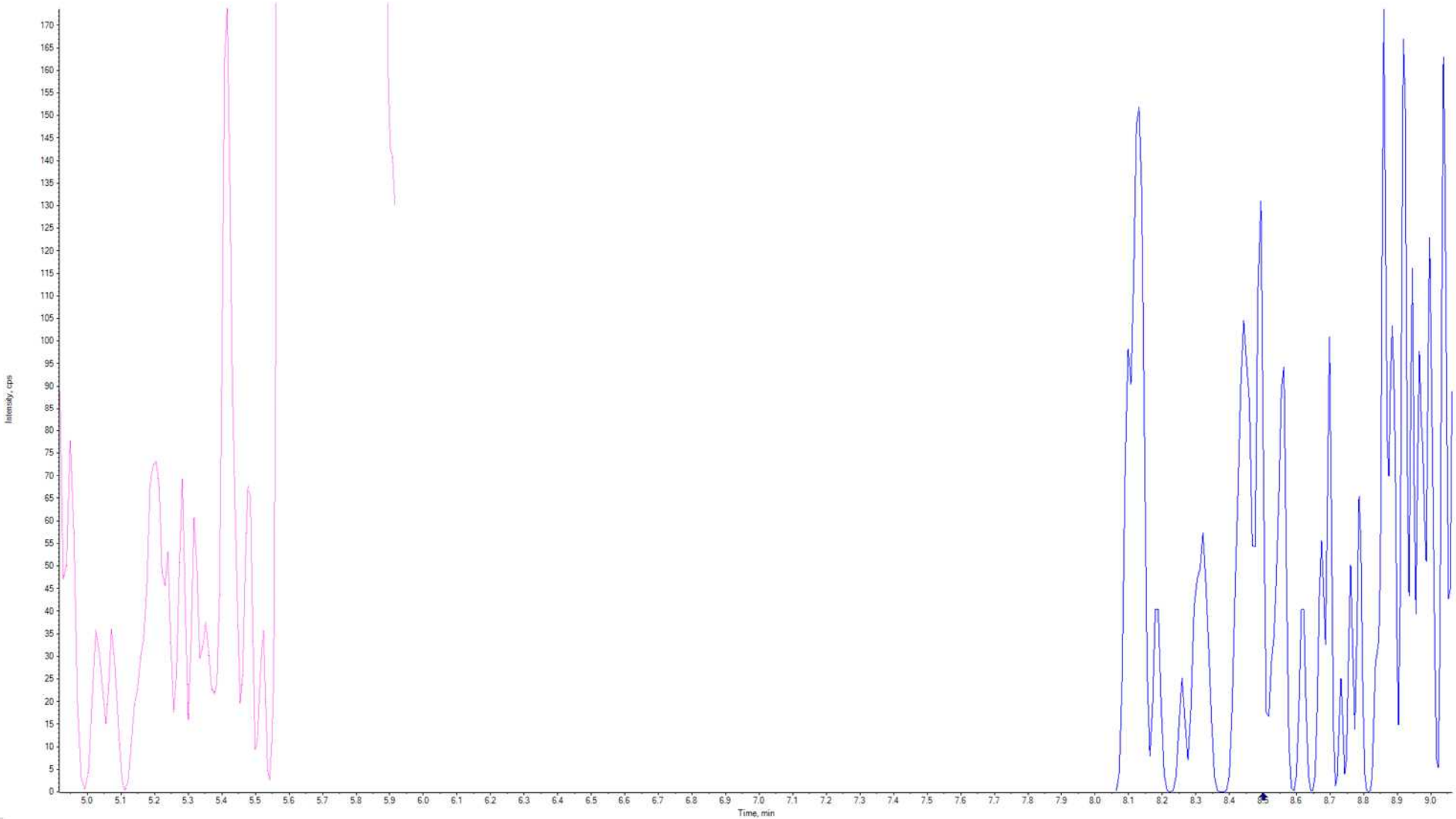

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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11Cl-PF3OUdS
Sample: L2447890-01 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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3:3FTCA
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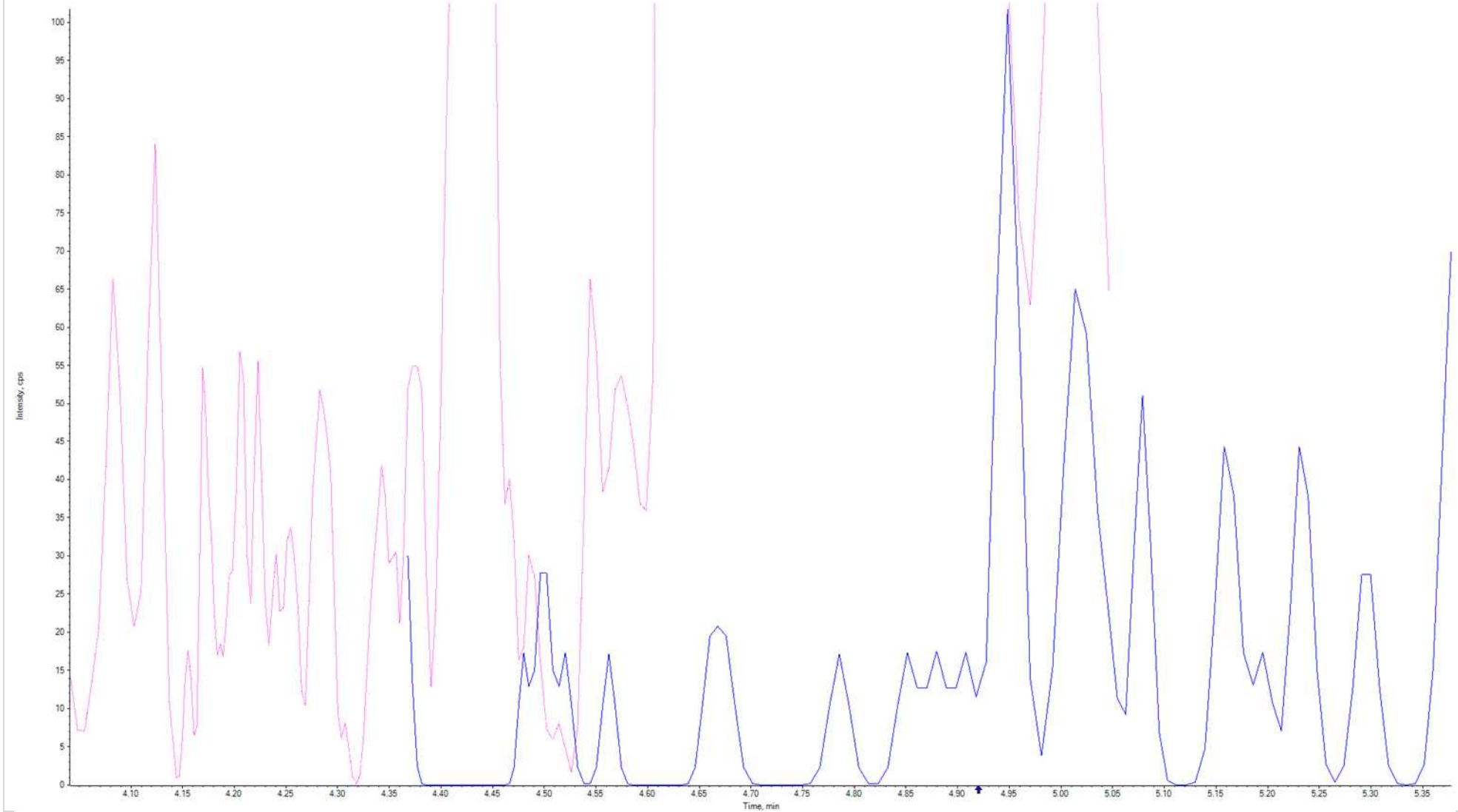

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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3:3FTCA_2
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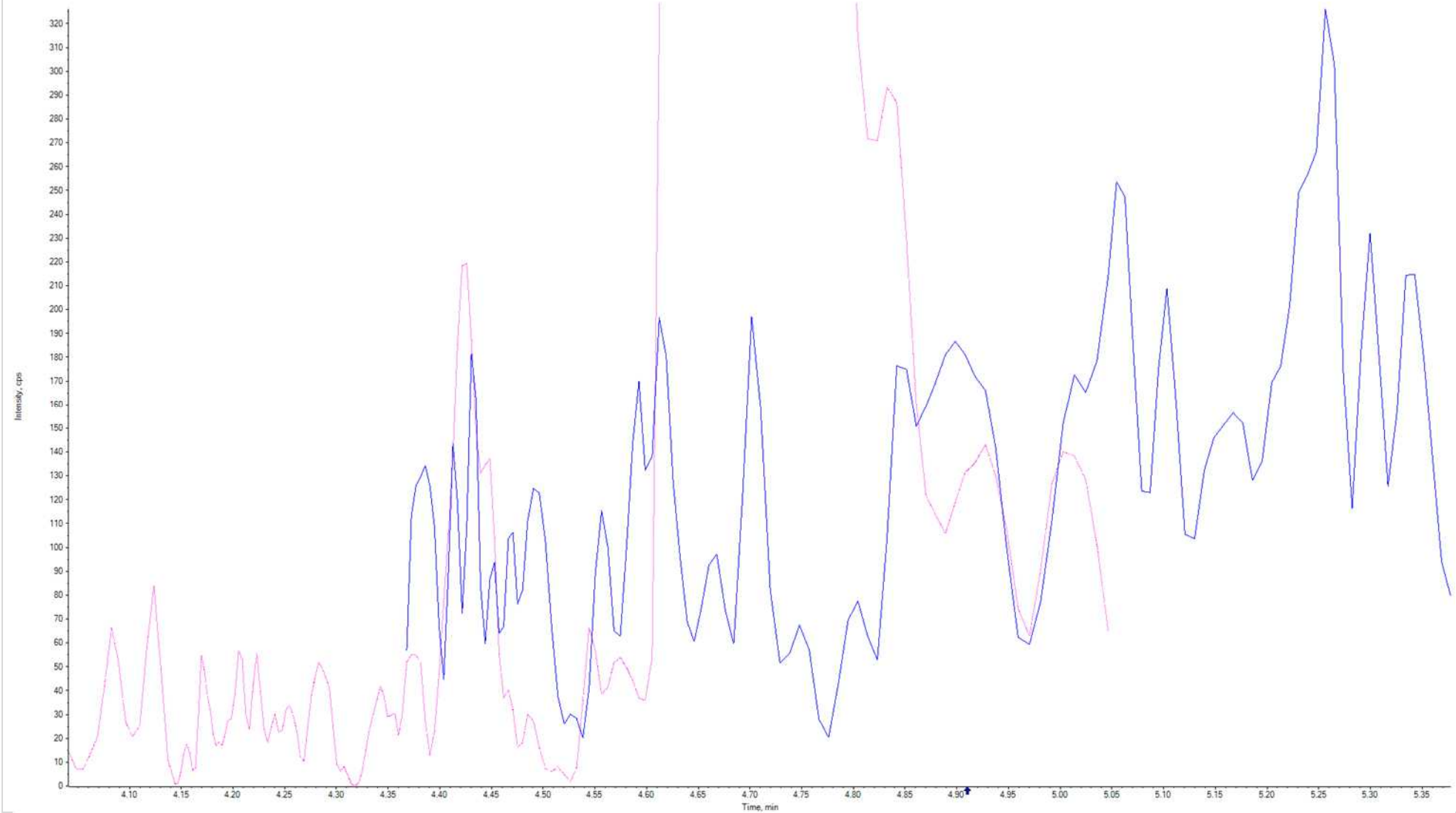

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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5:3FTCA
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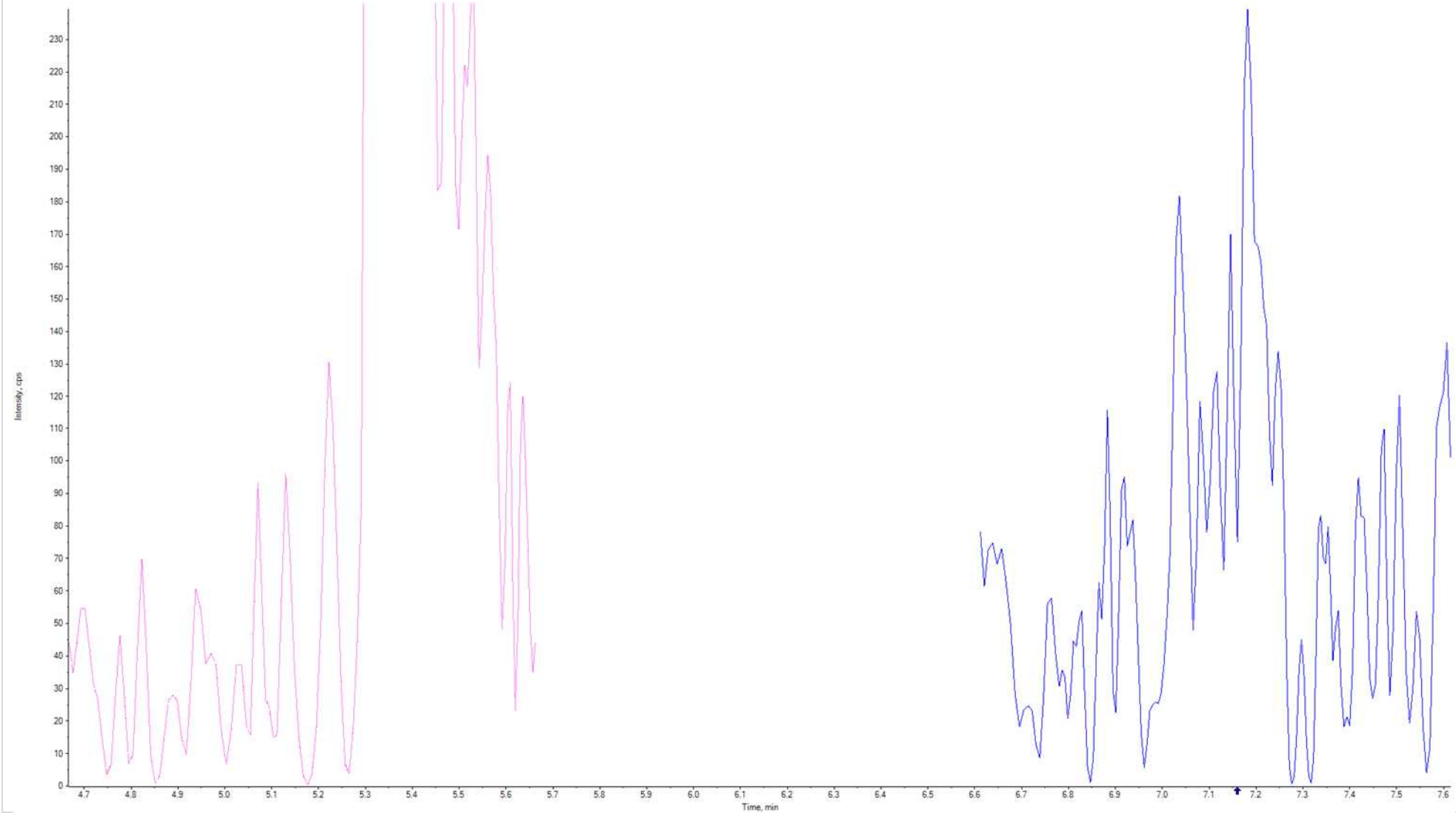

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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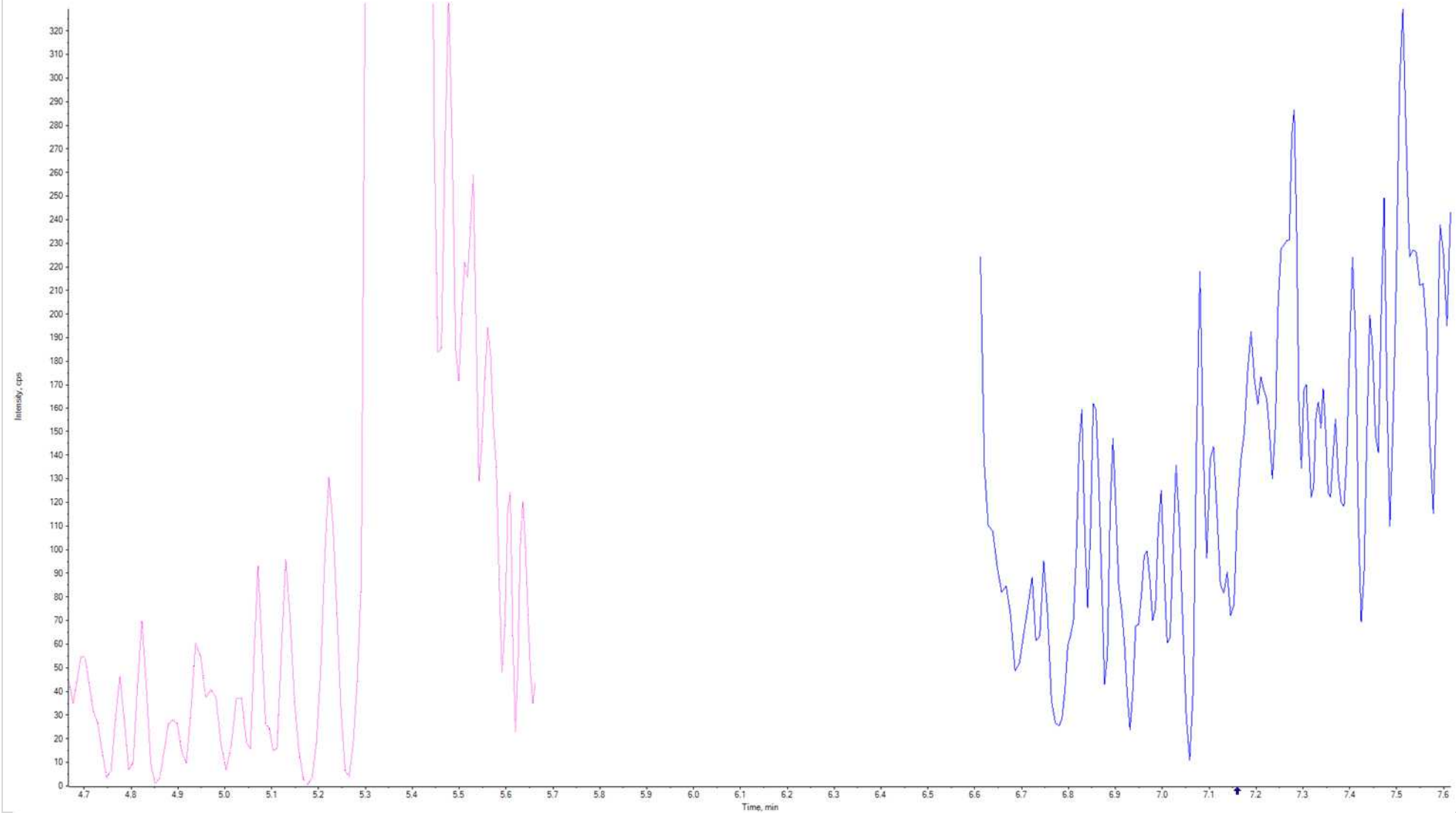

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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7:3FTCA
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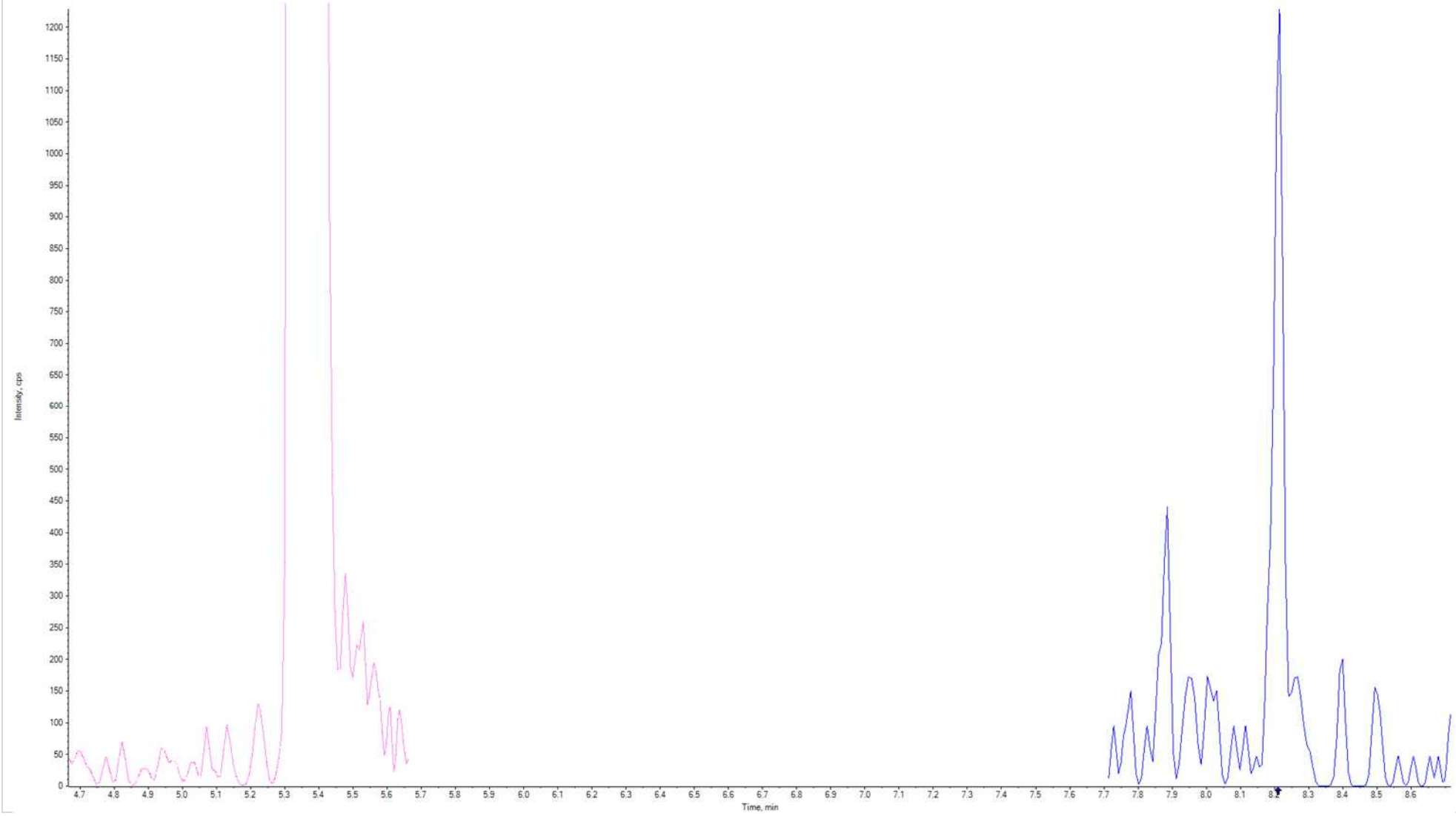

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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7:3FTCA_2
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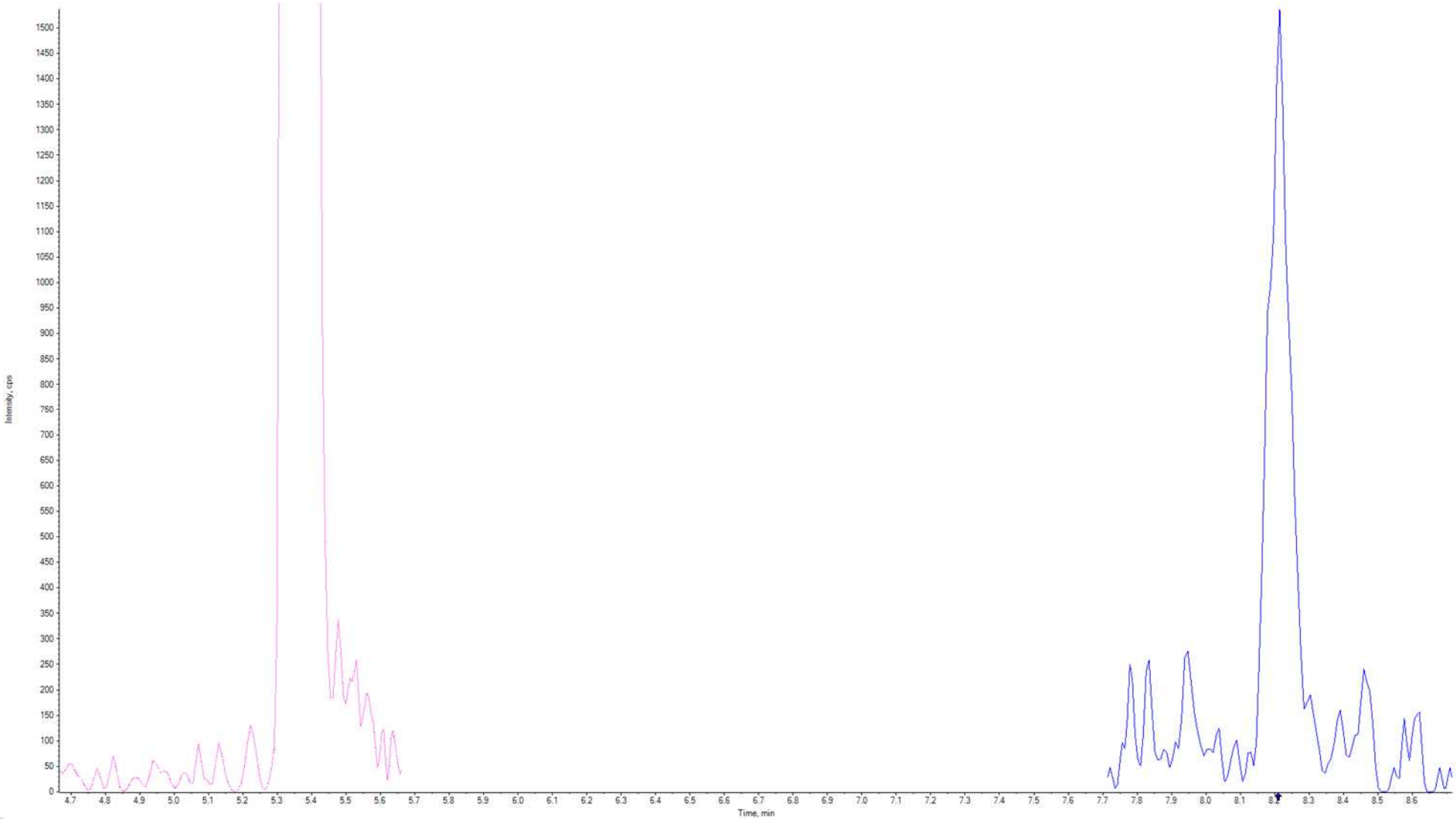

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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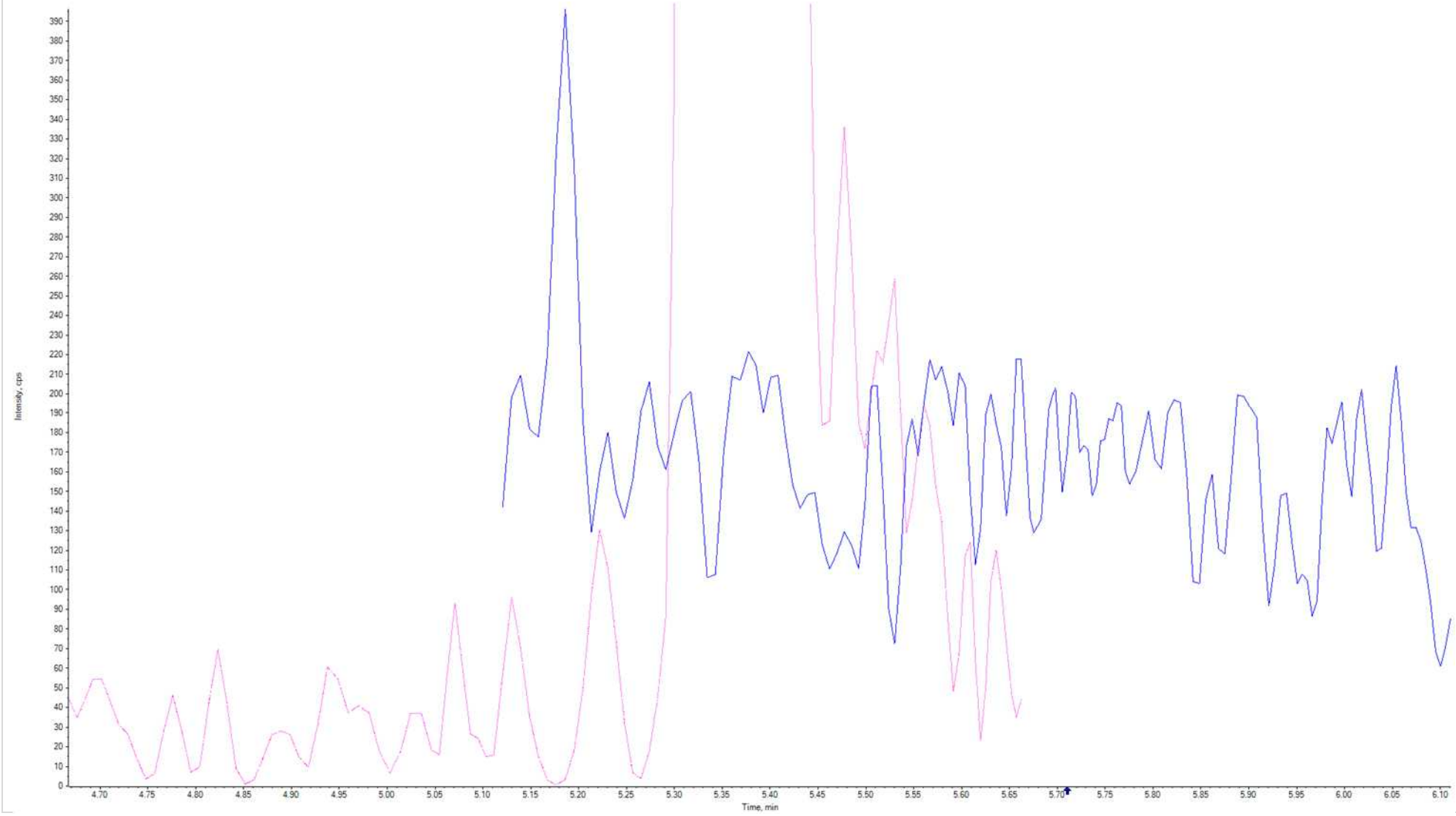
PFEESA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFEESA_2
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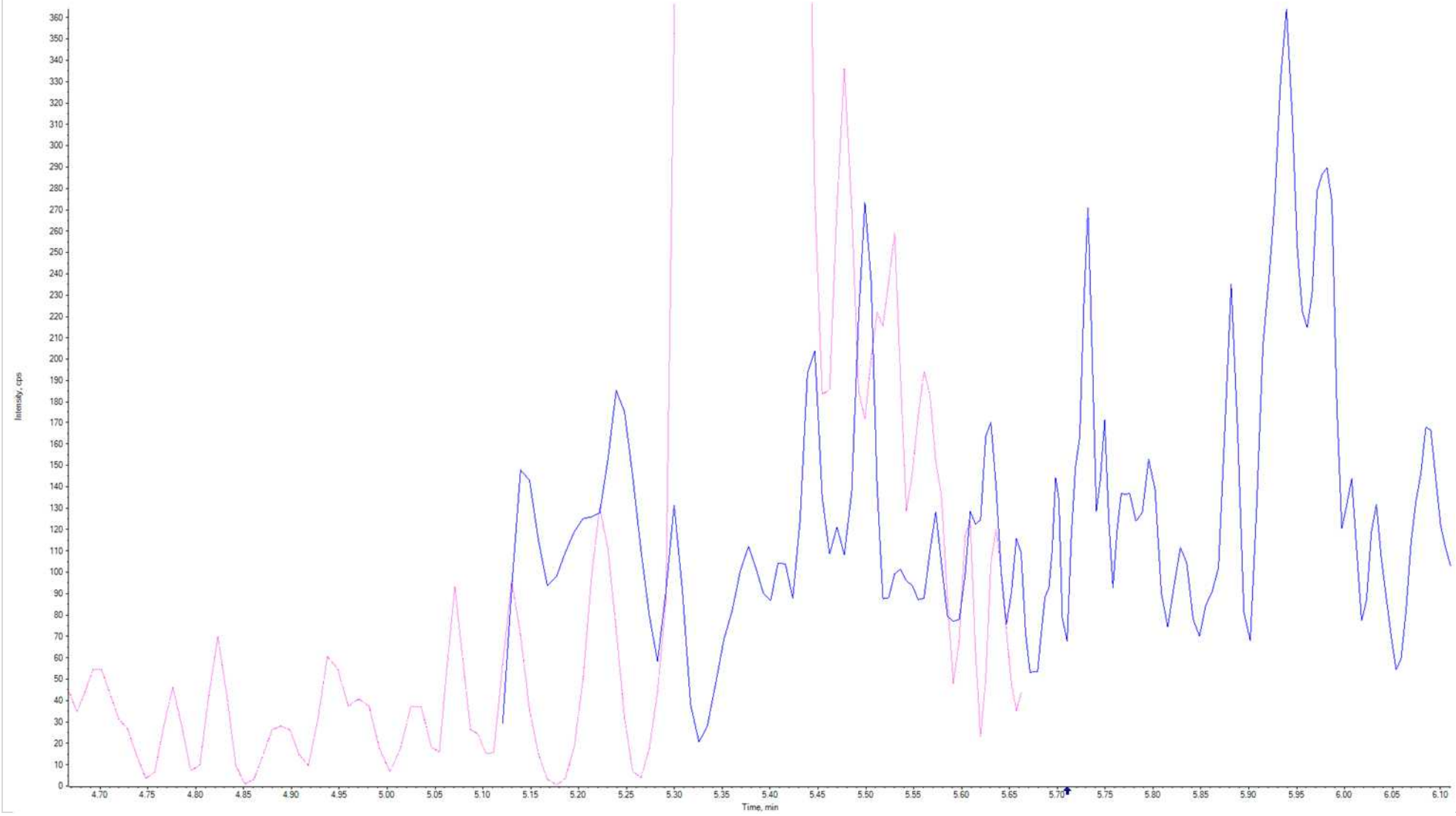

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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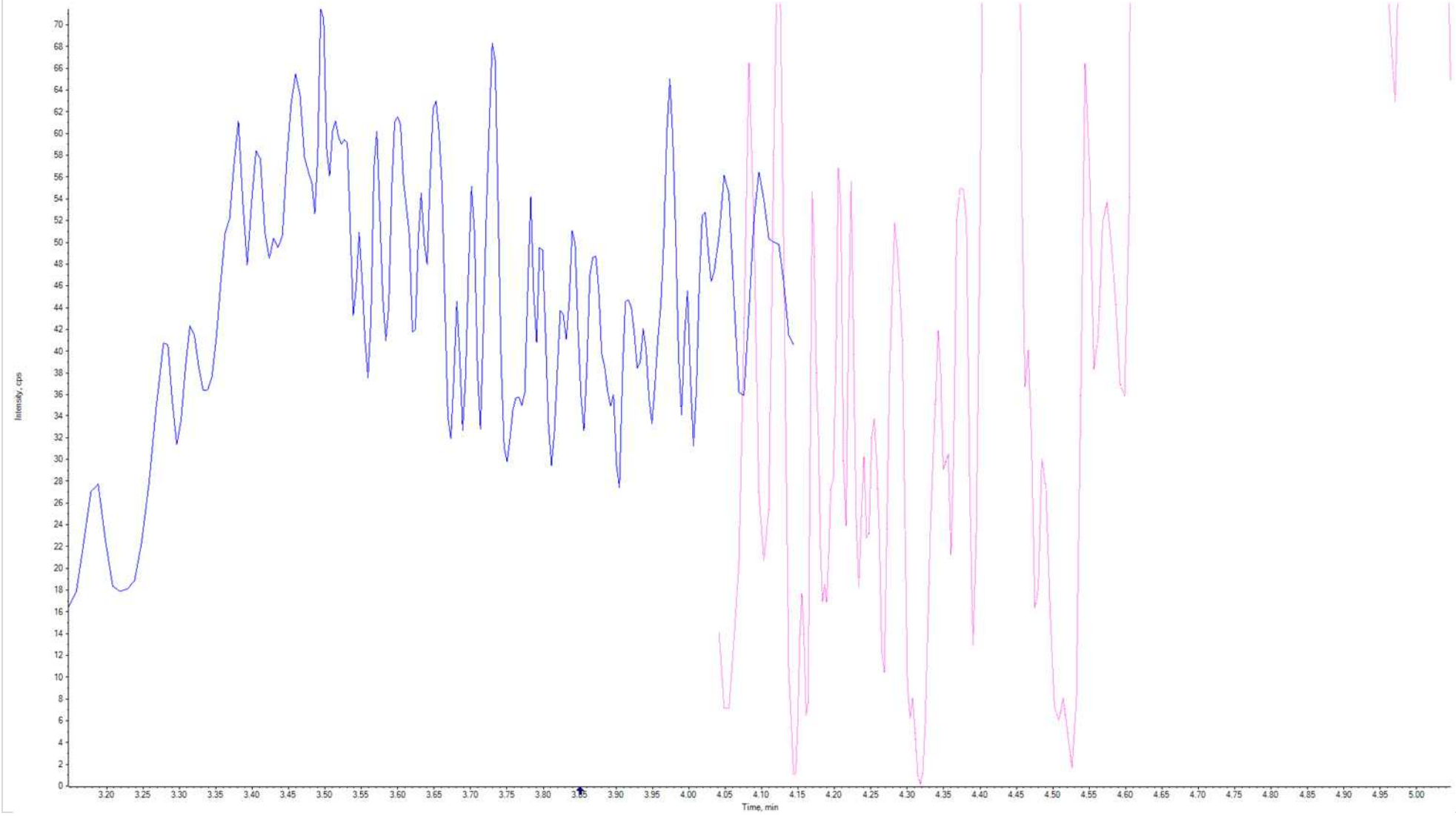

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFMBA
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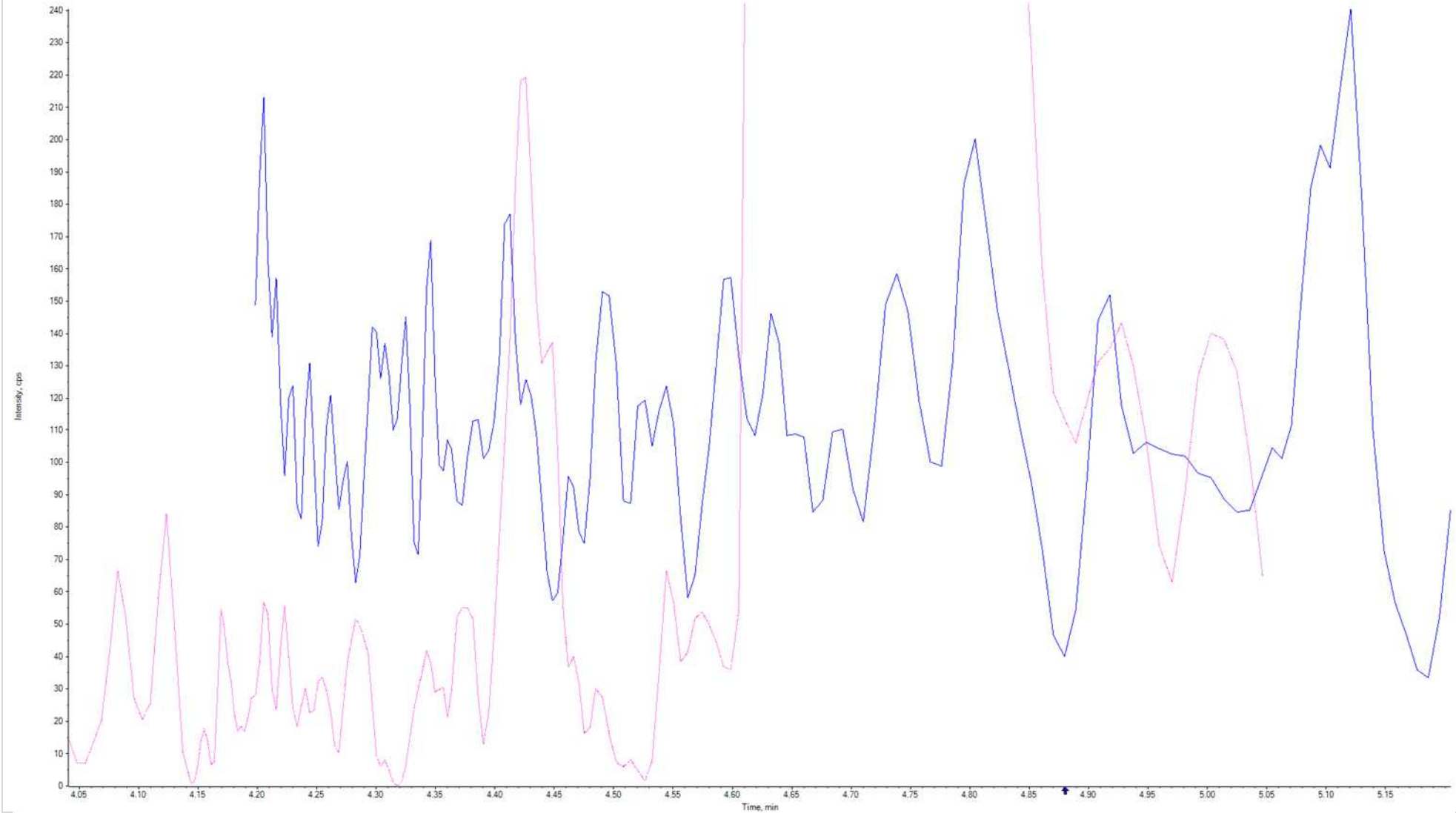

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NFDHA
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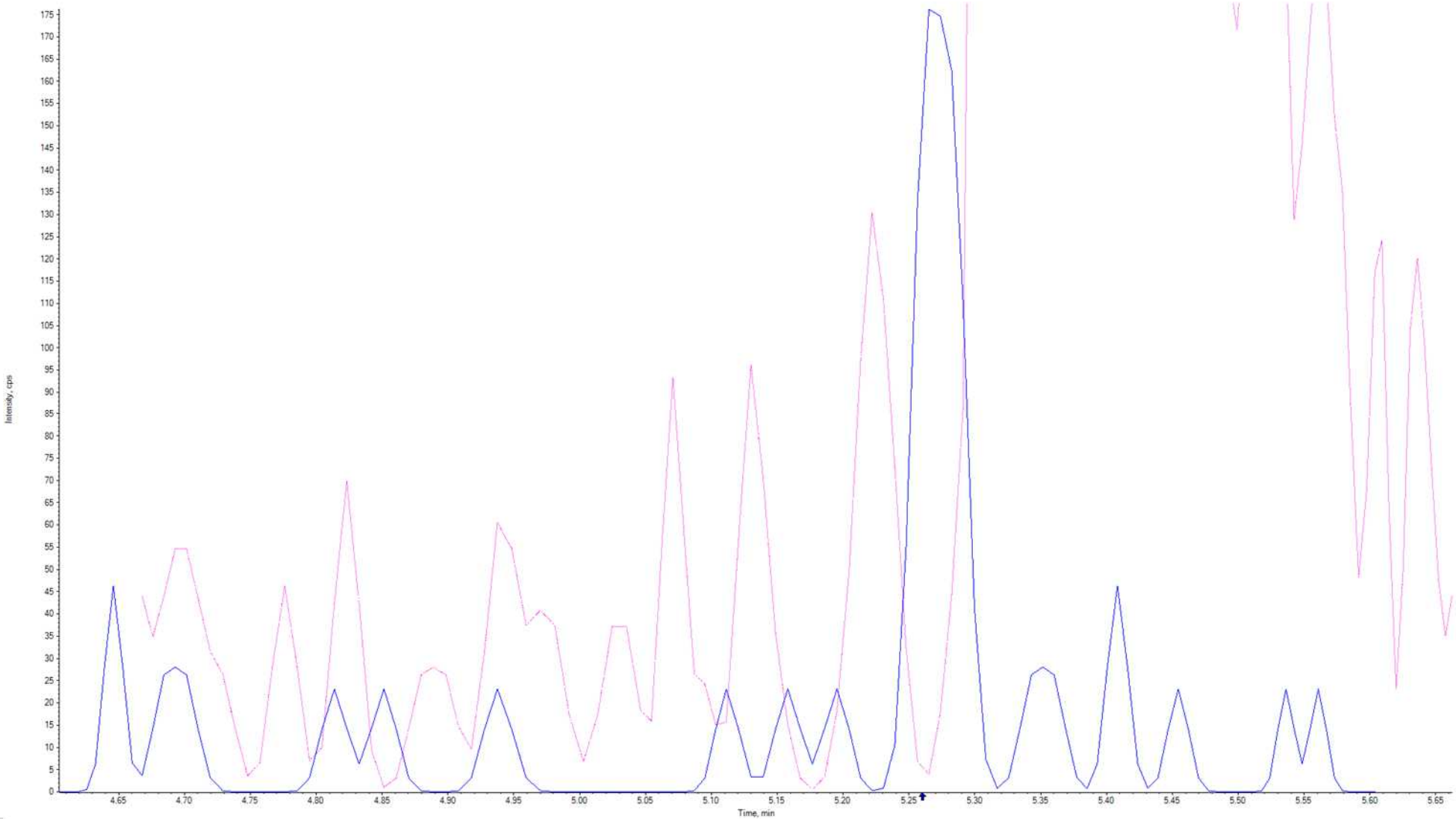

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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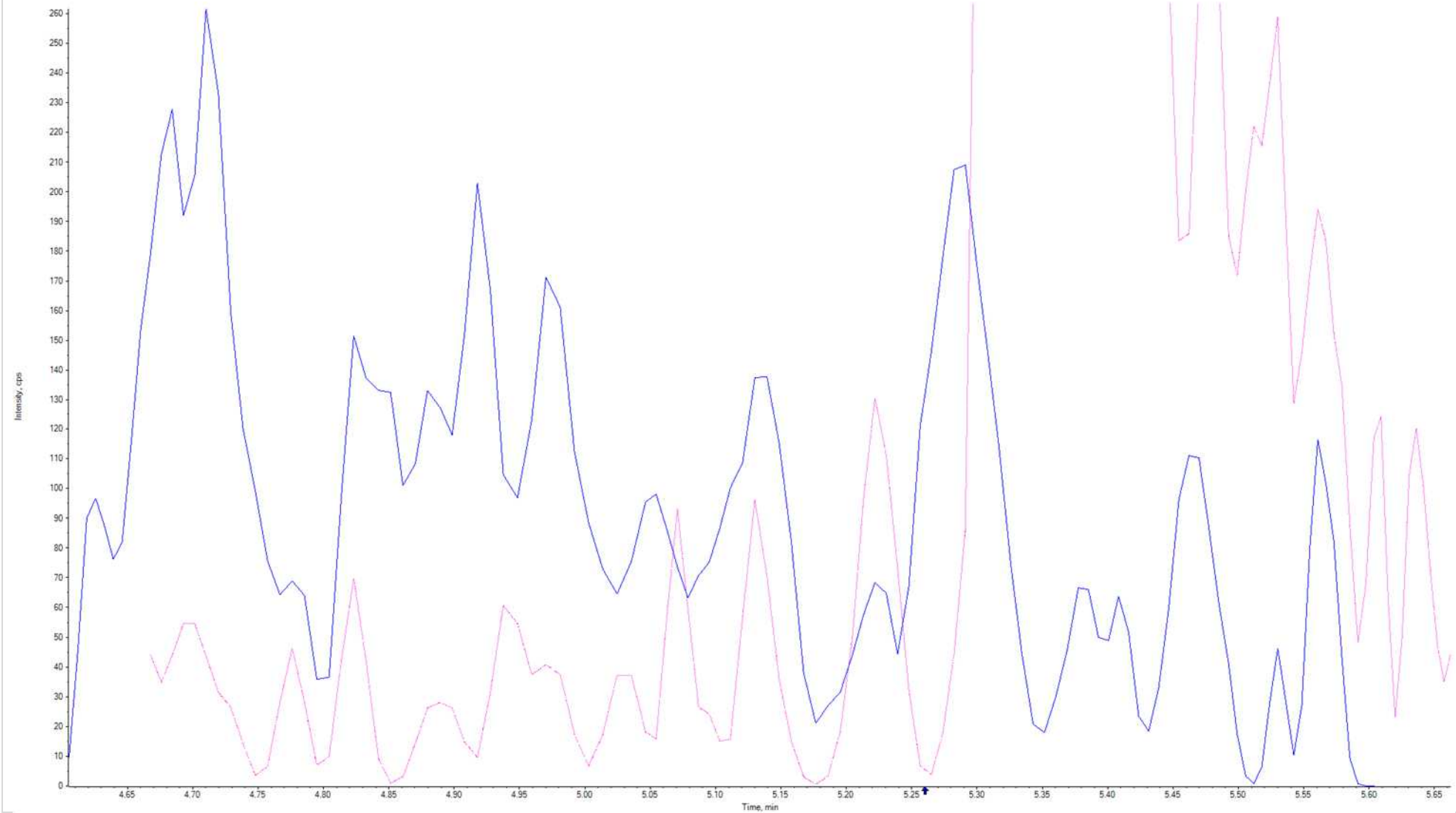
NFDHA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



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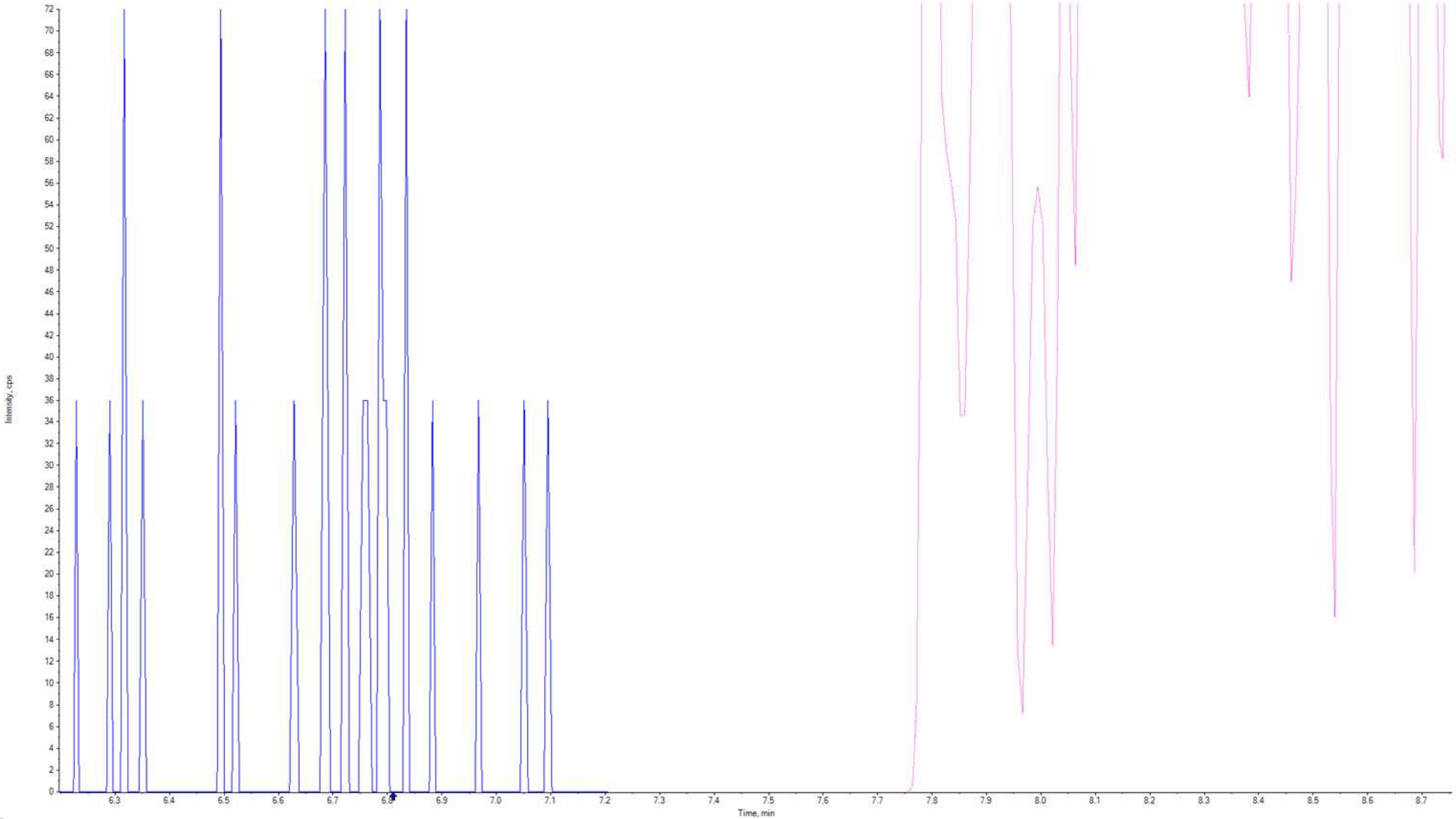
TDCA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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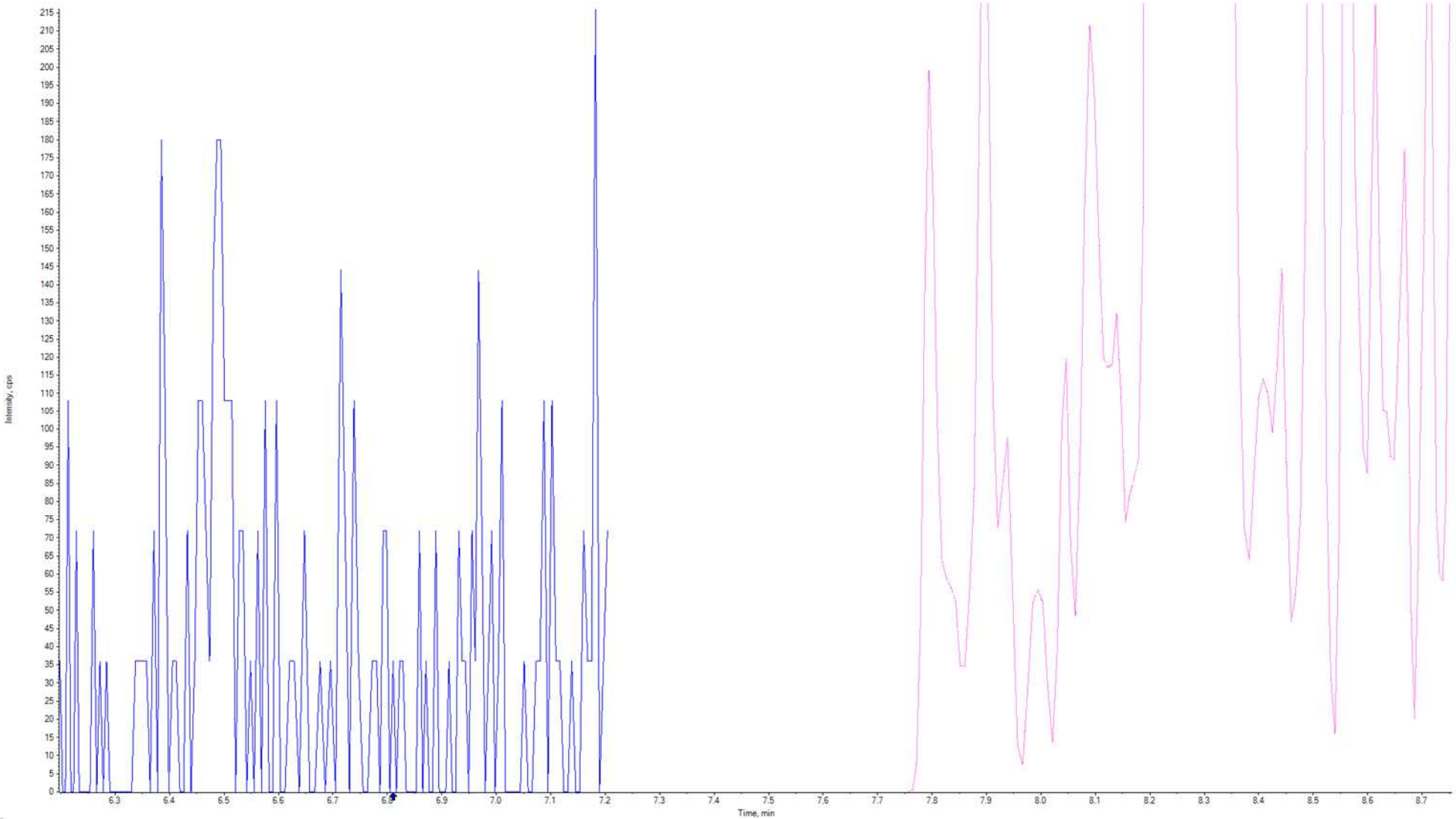
TDCA_2
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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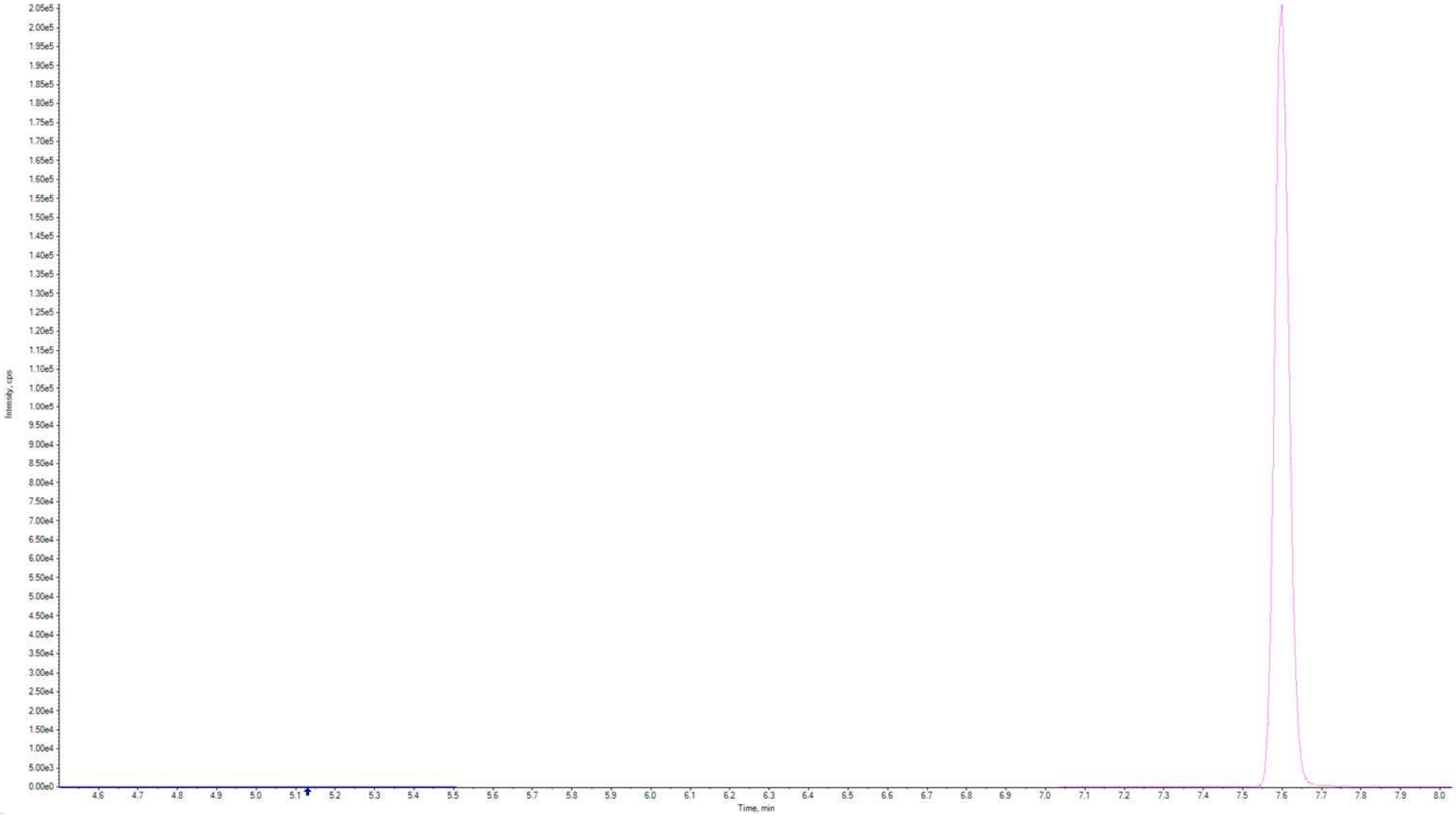
13C2D4-4:2FTS
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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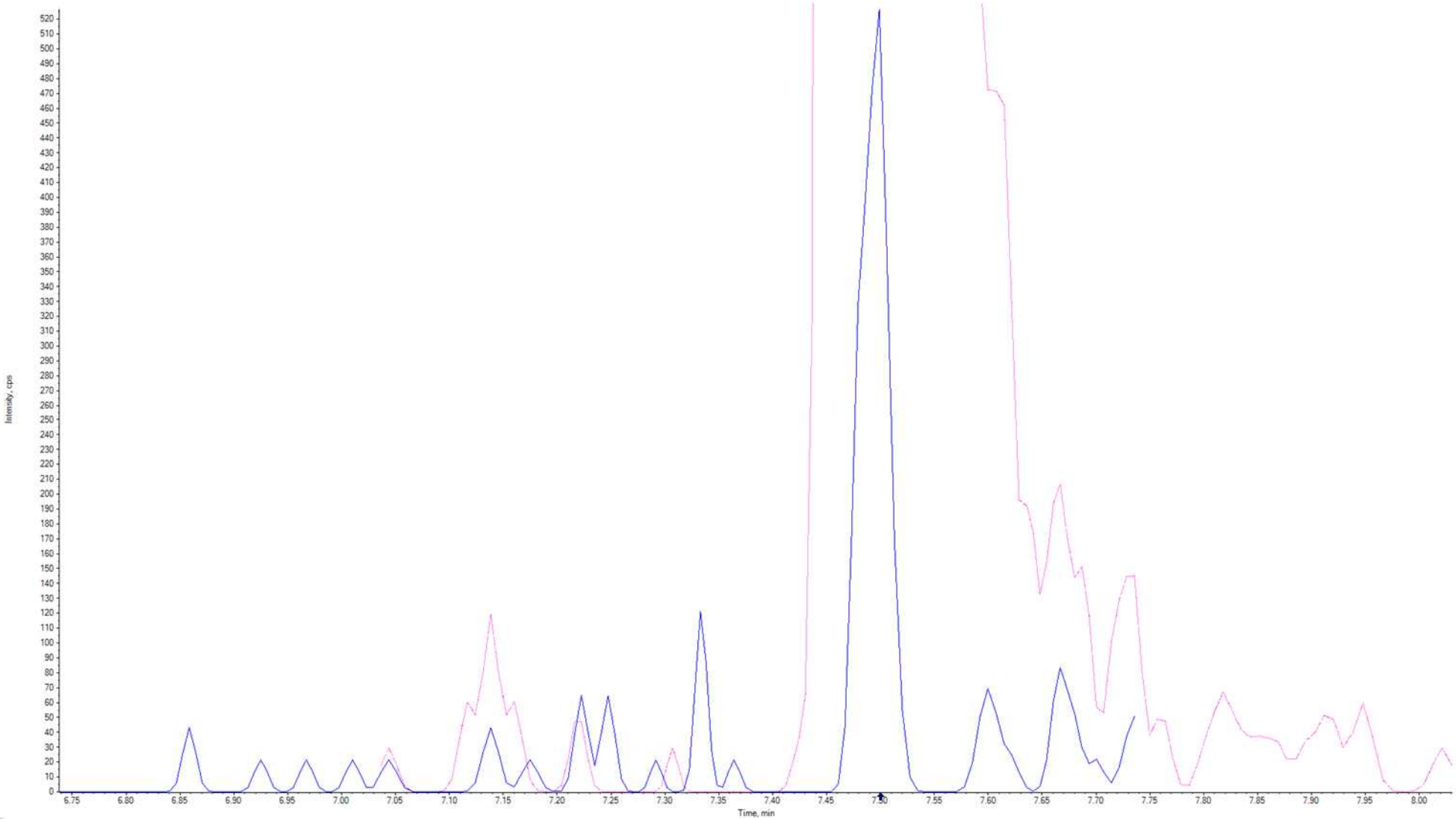
13C2-PFOA
Sample: L2447890-01 S/N:N/A Points Across peak:N/A



13C4-PFBA
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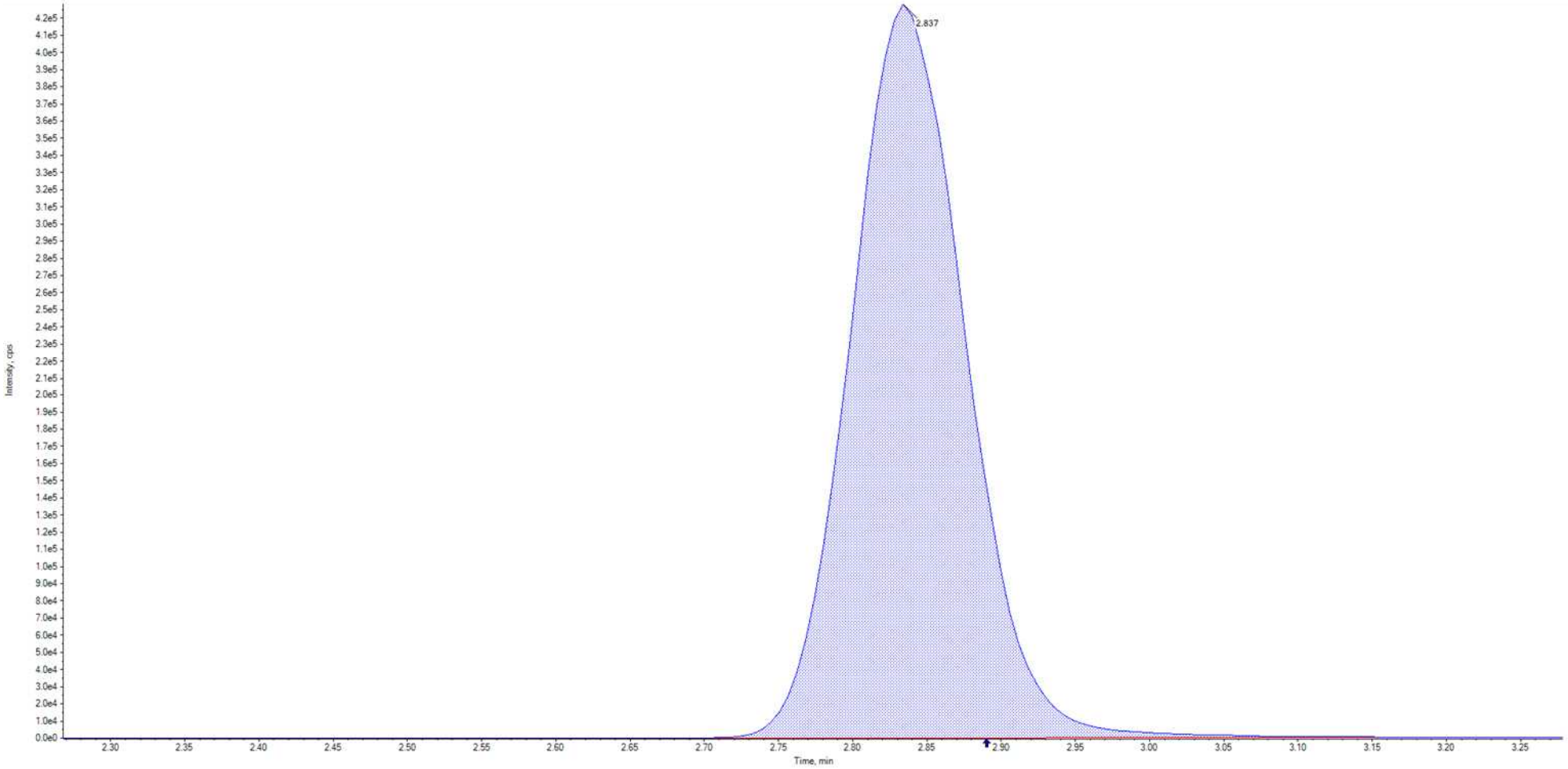

13C5-PFPeA
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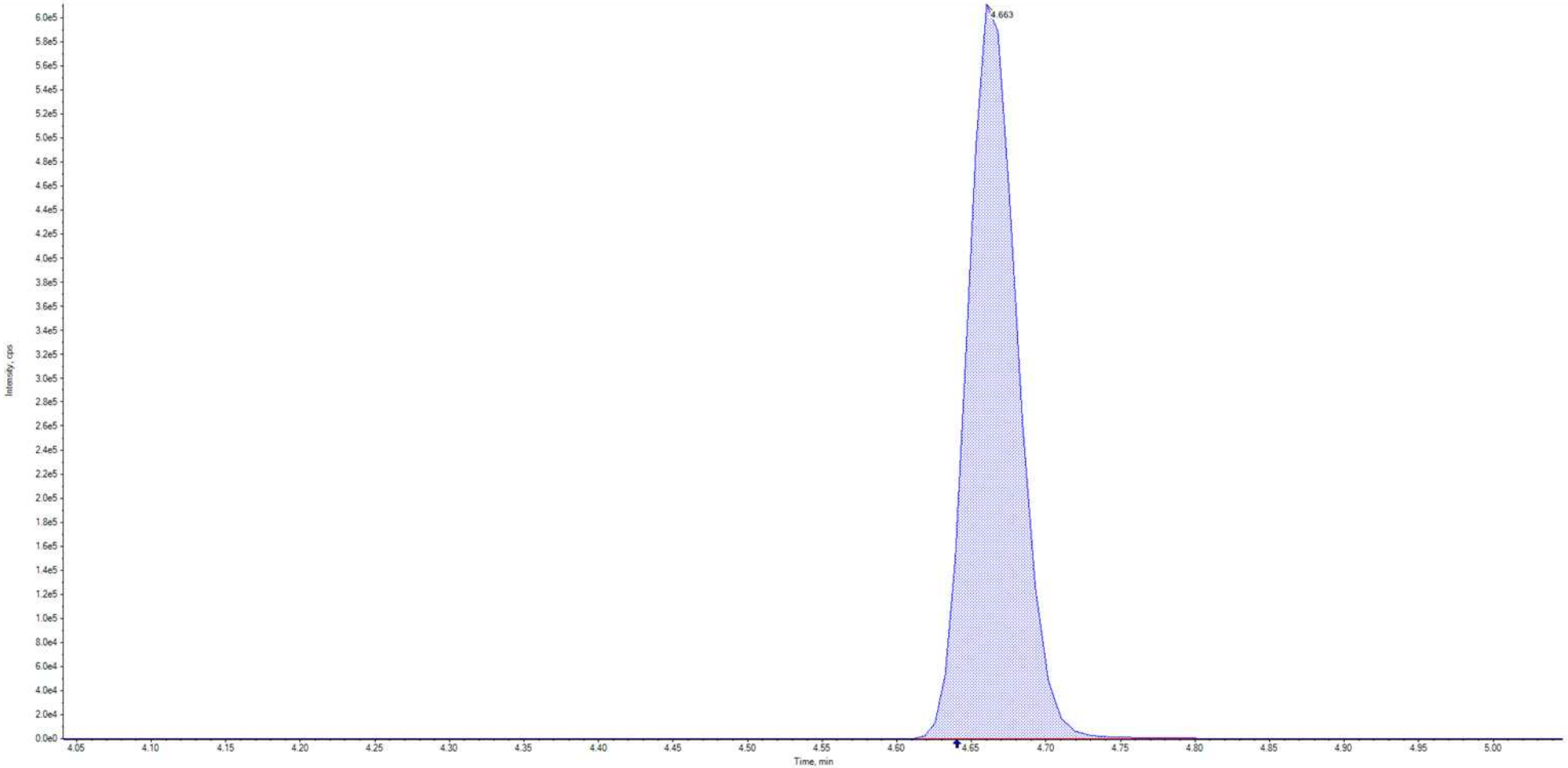

13C5-PFHxA
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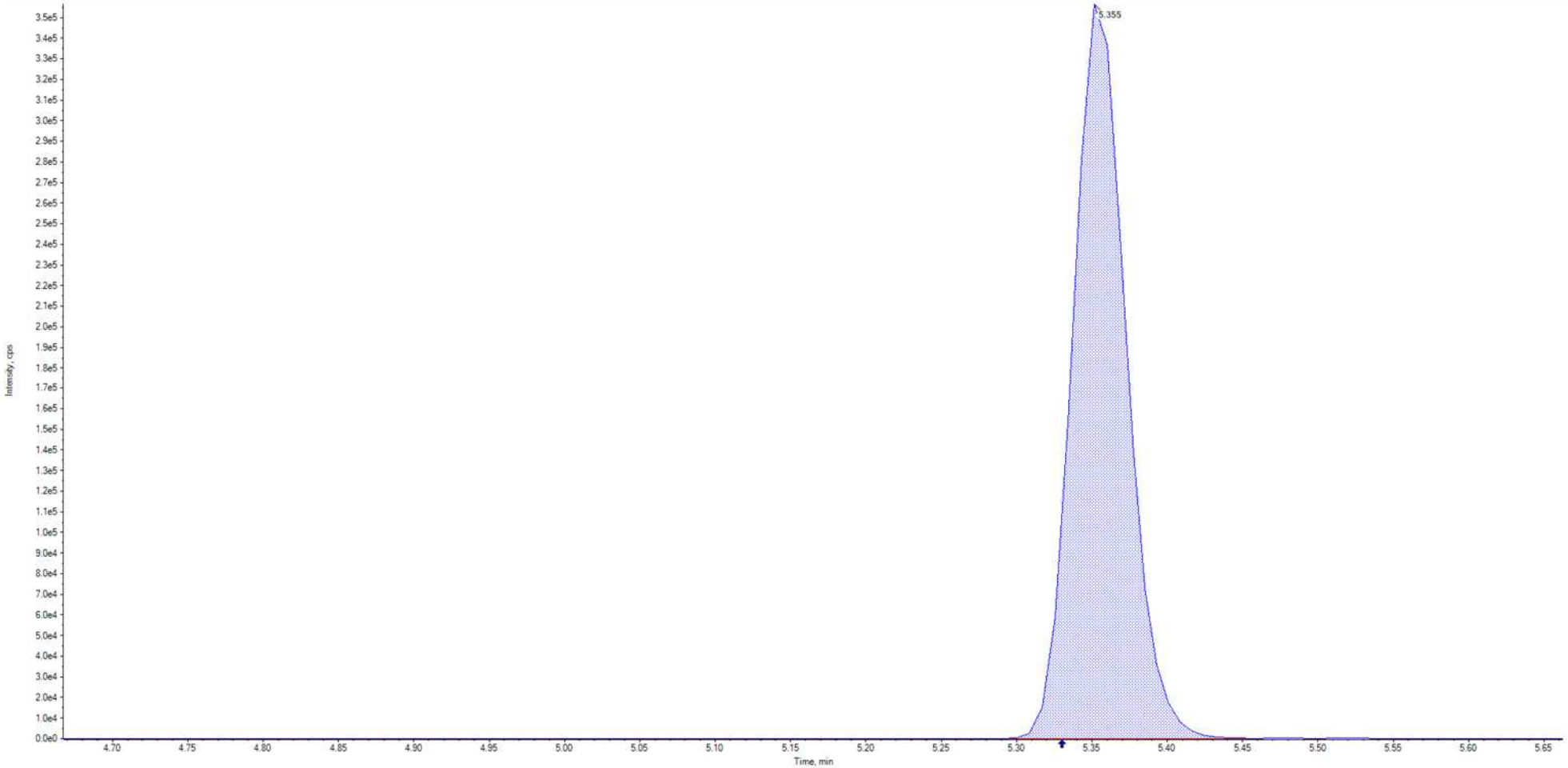

13C4-PFHpA
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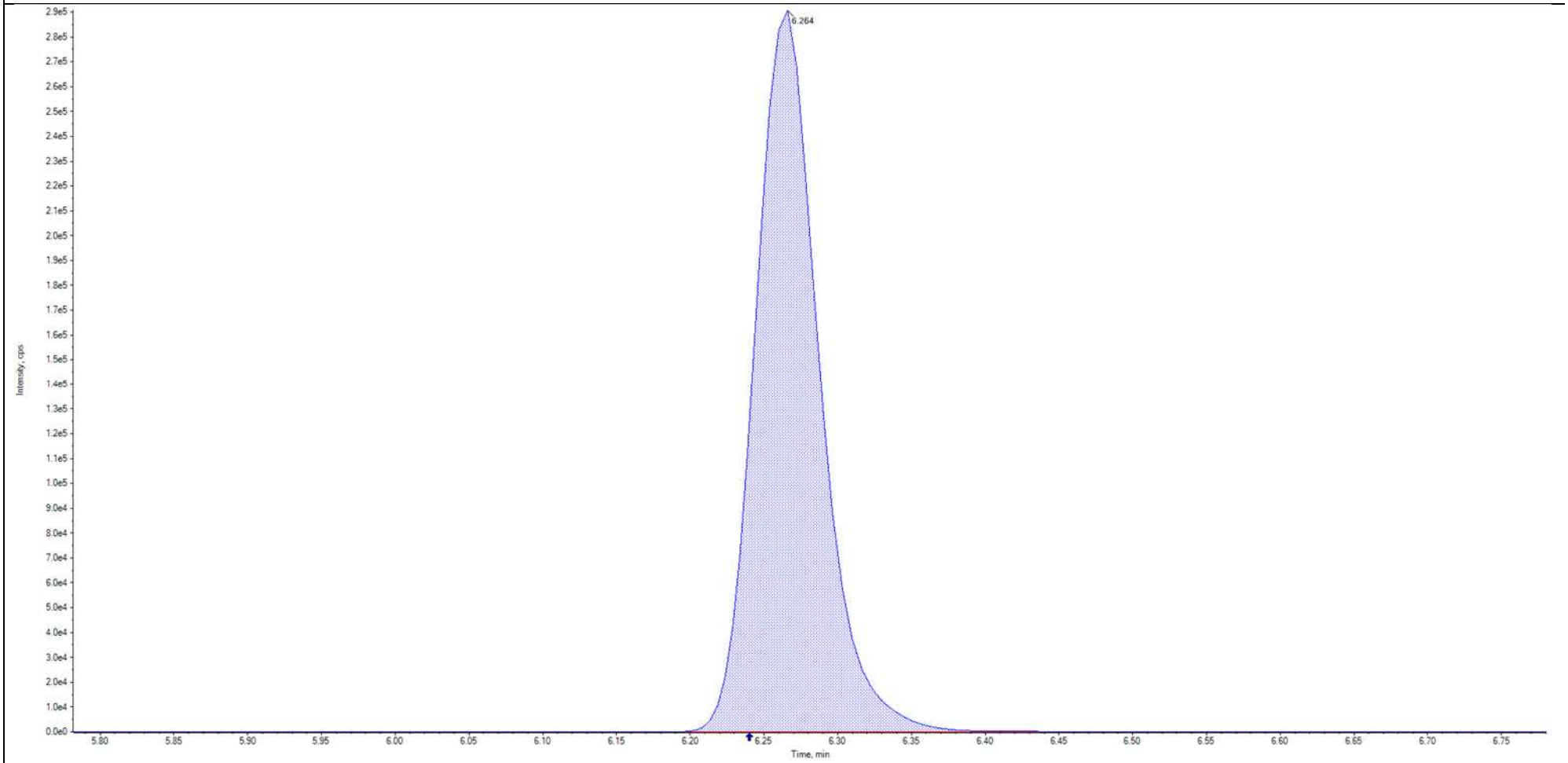

13C8-PFOA
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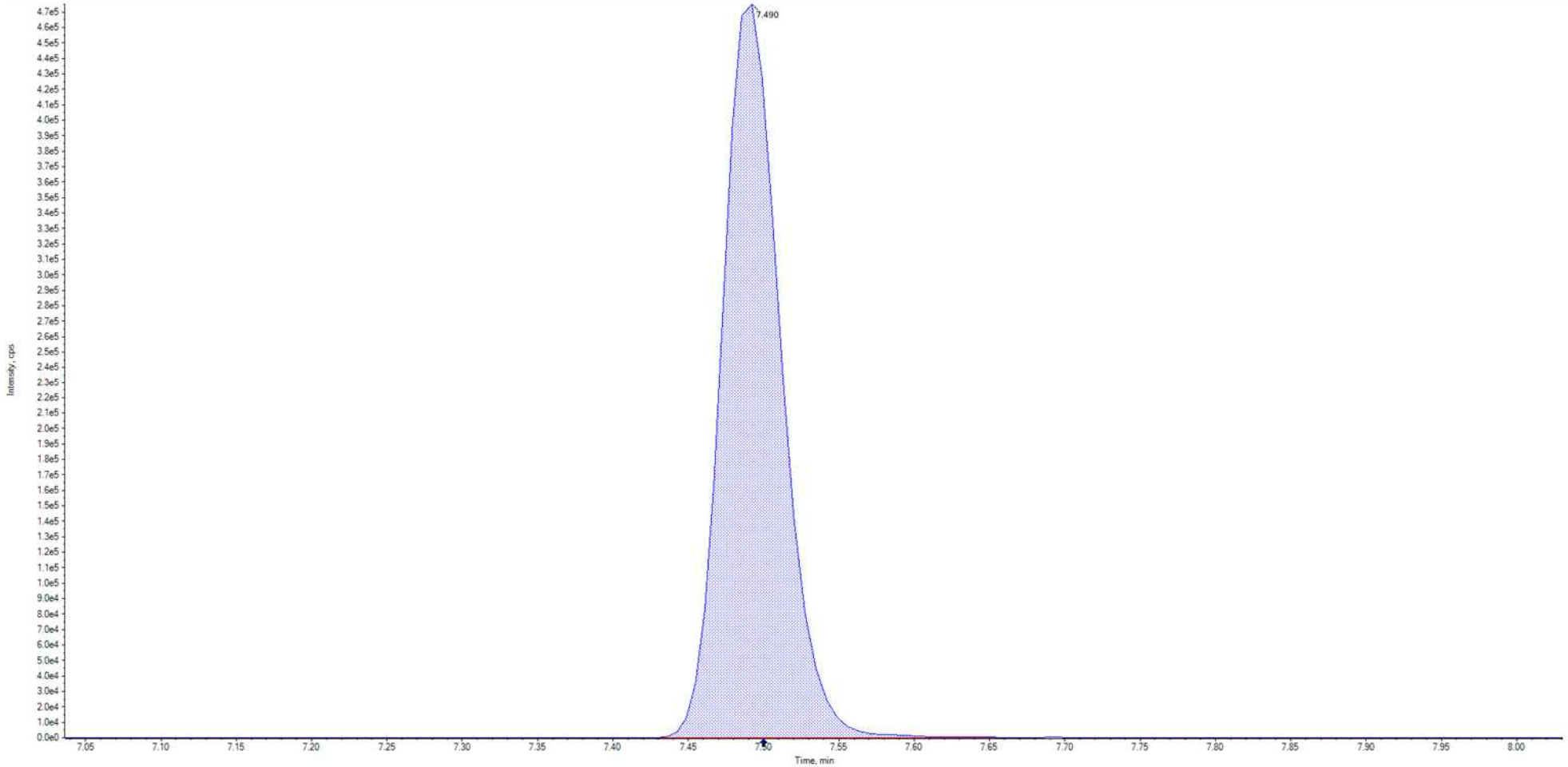

13C9-PFNA
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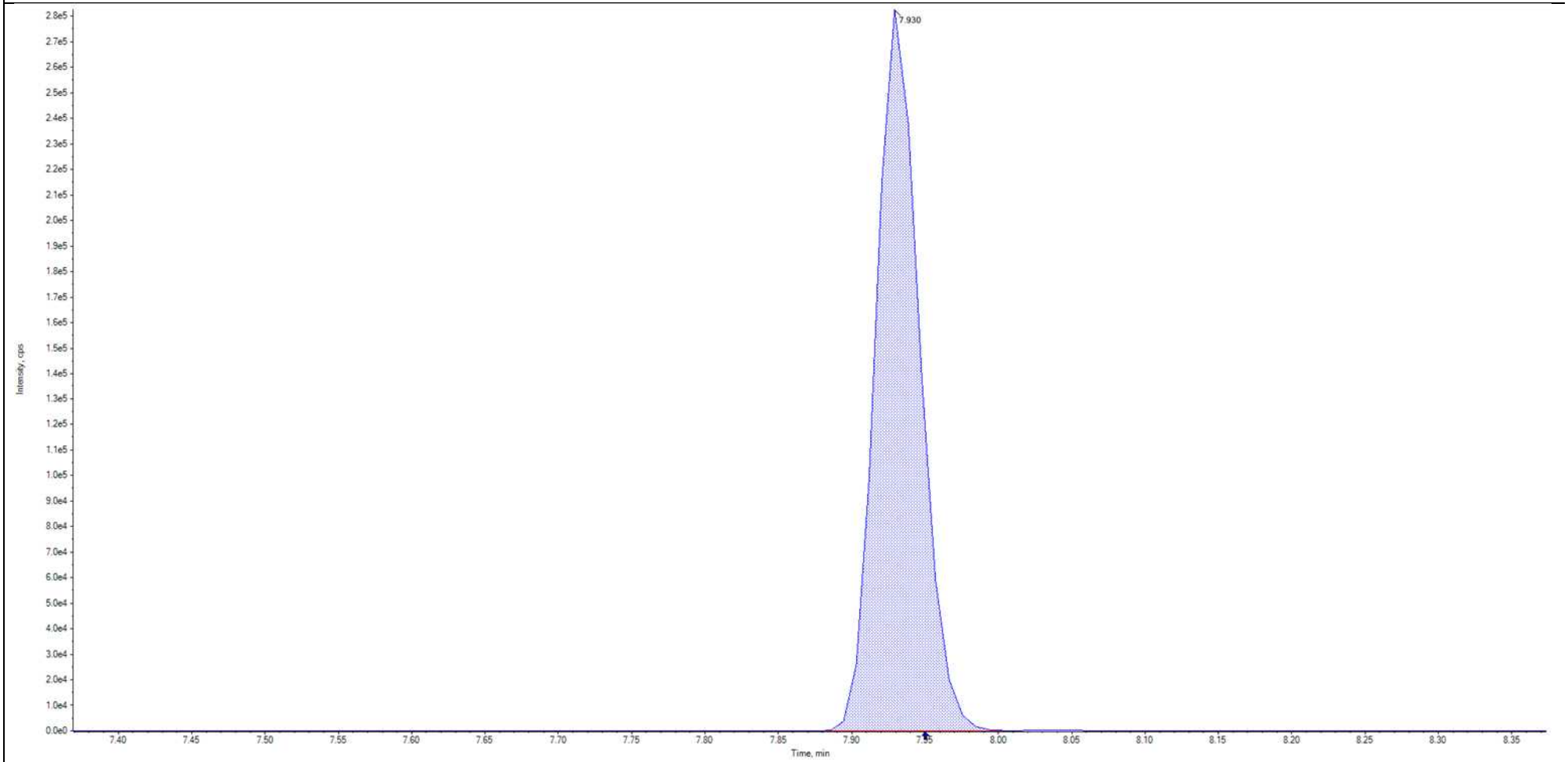

13C6-PFDA
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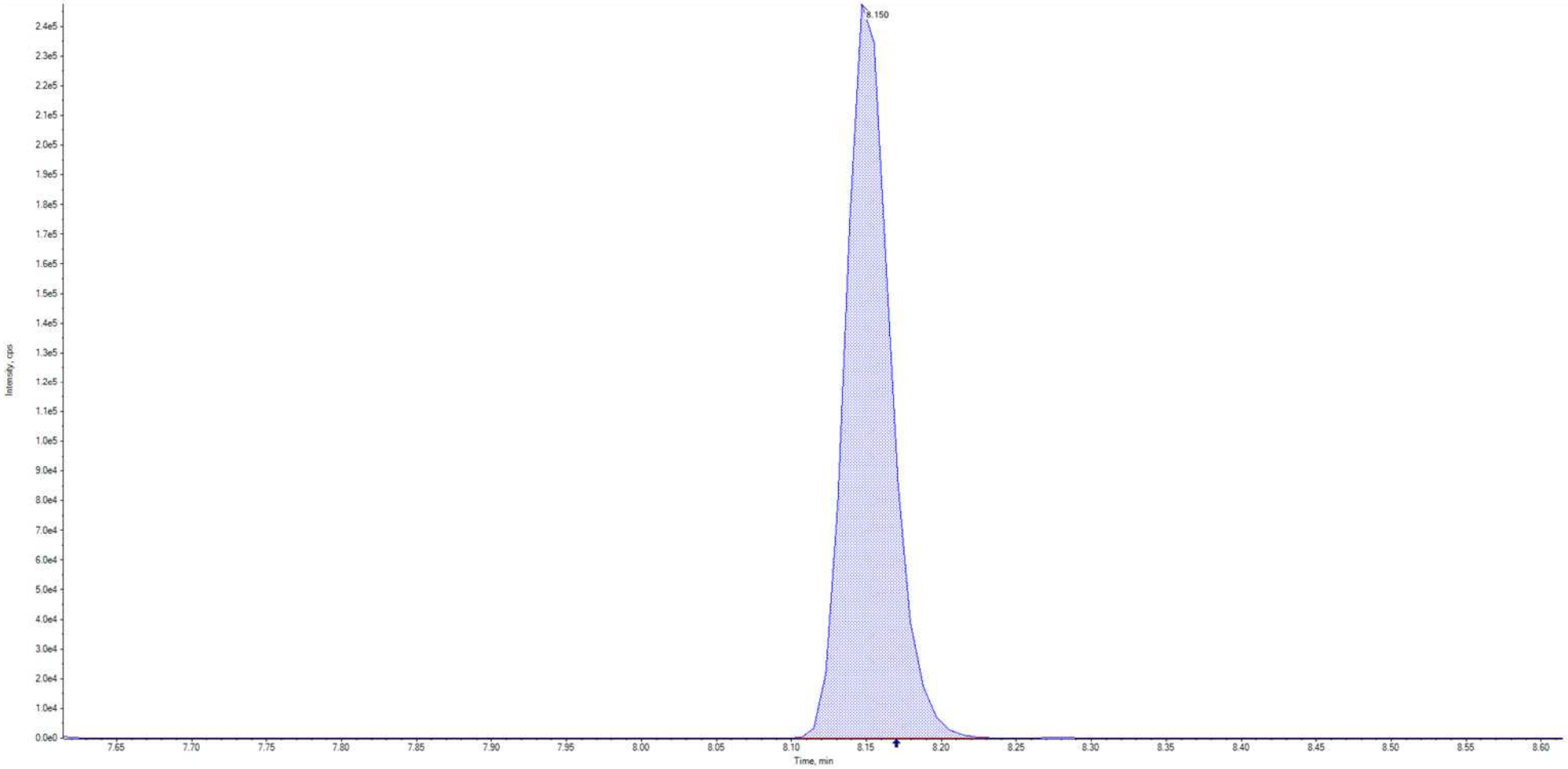

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C7-PFUnA
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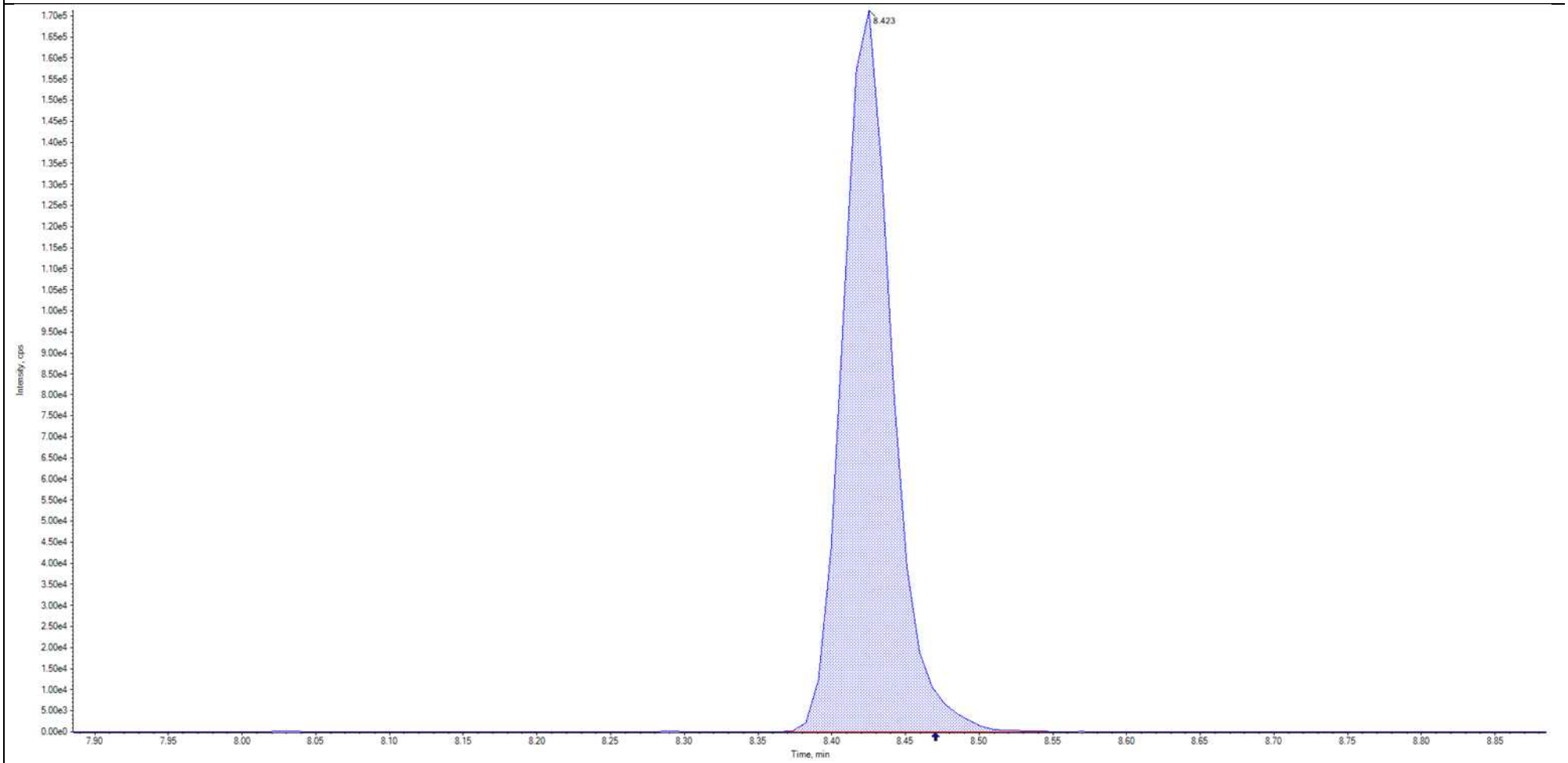

13C2-PFDoA
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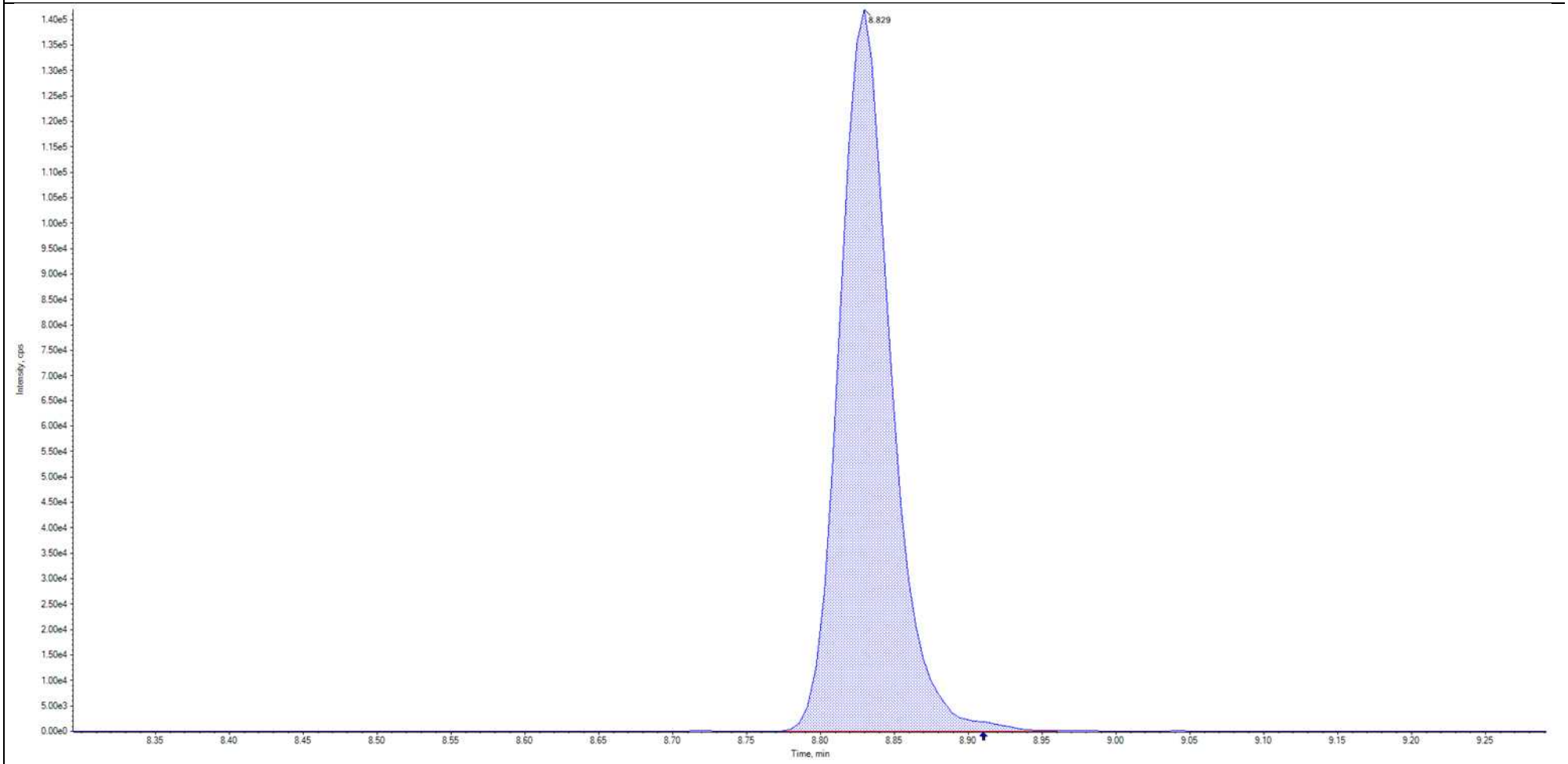

13C2-PFTeDA
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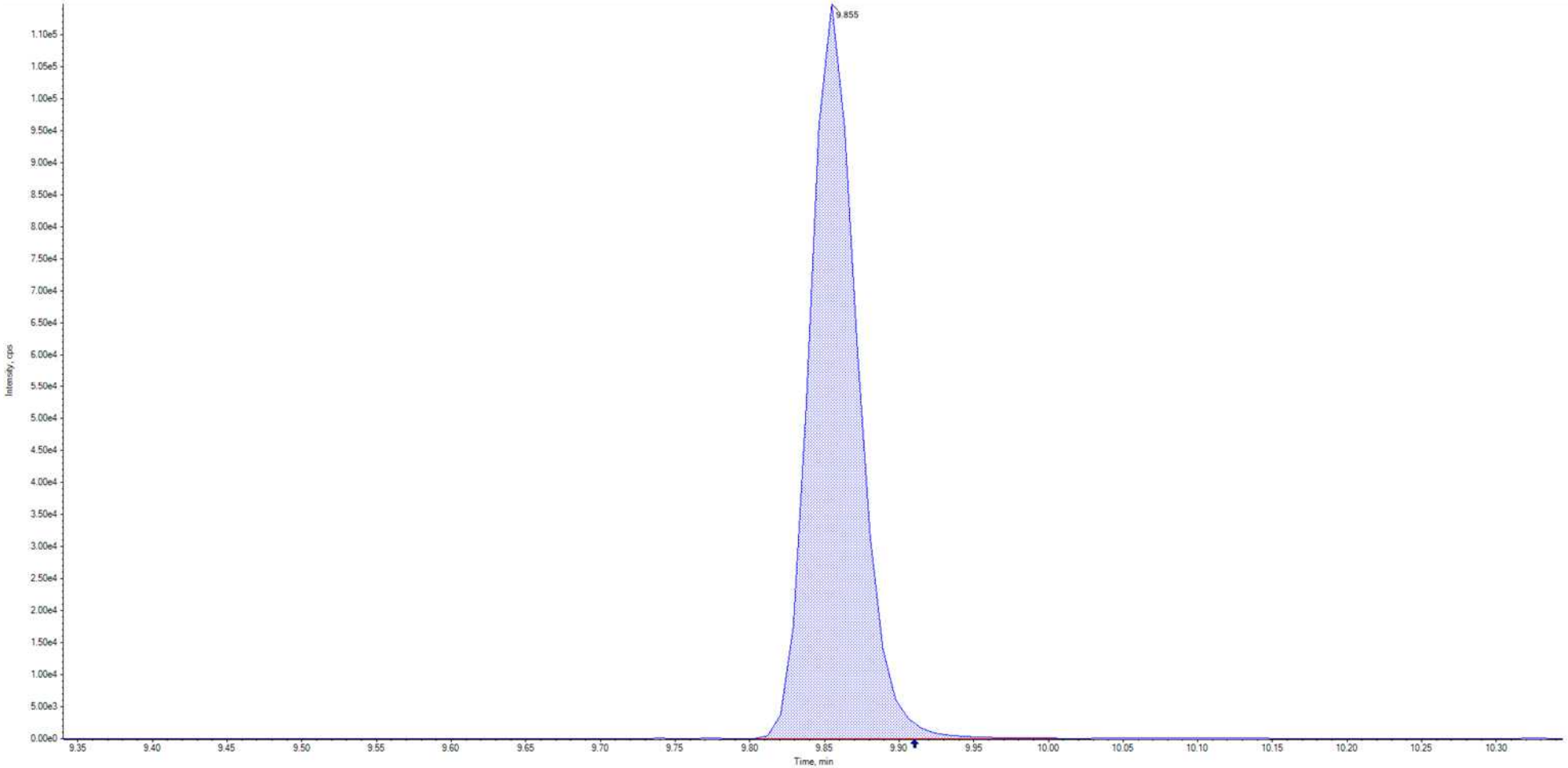
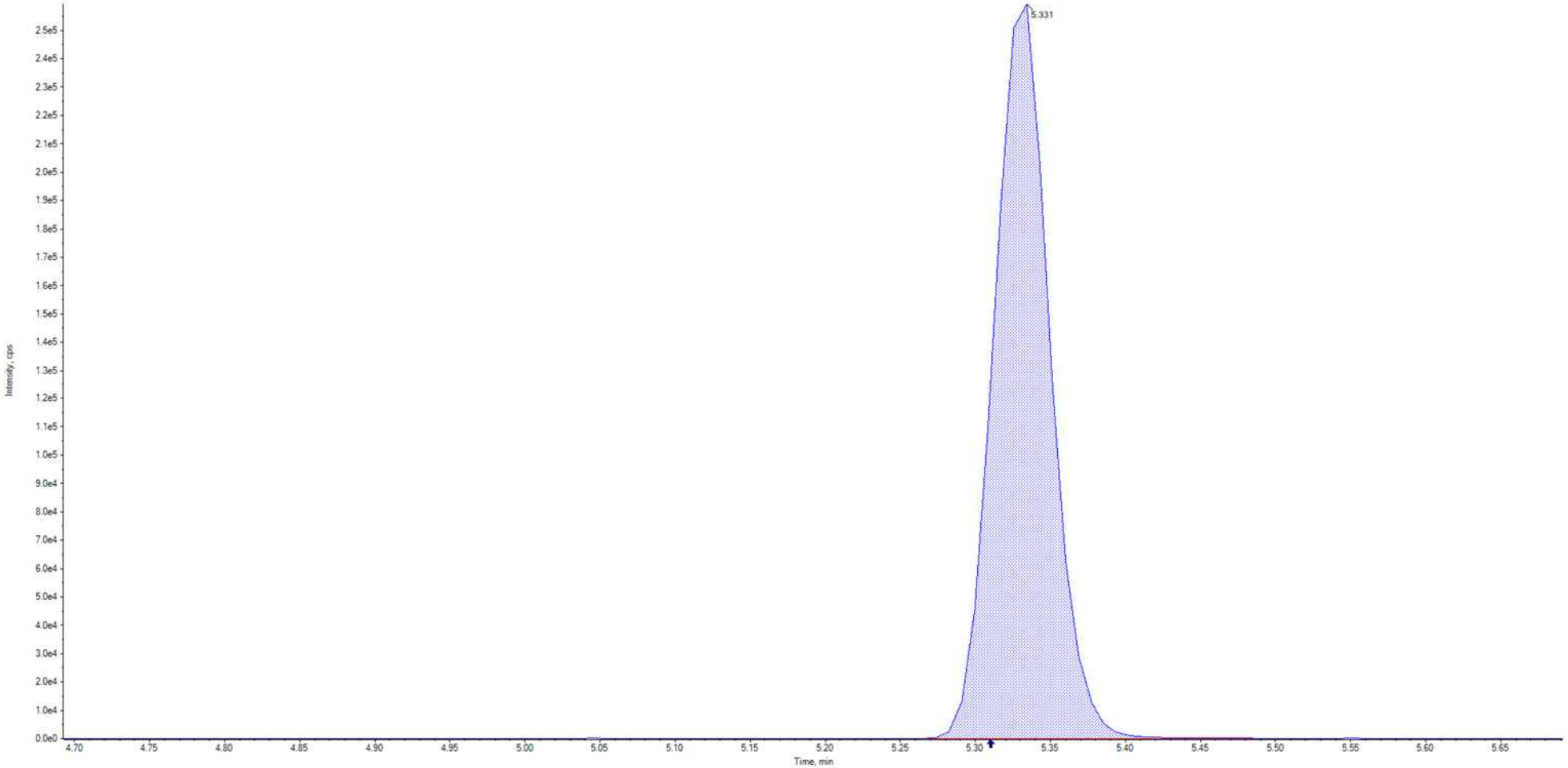
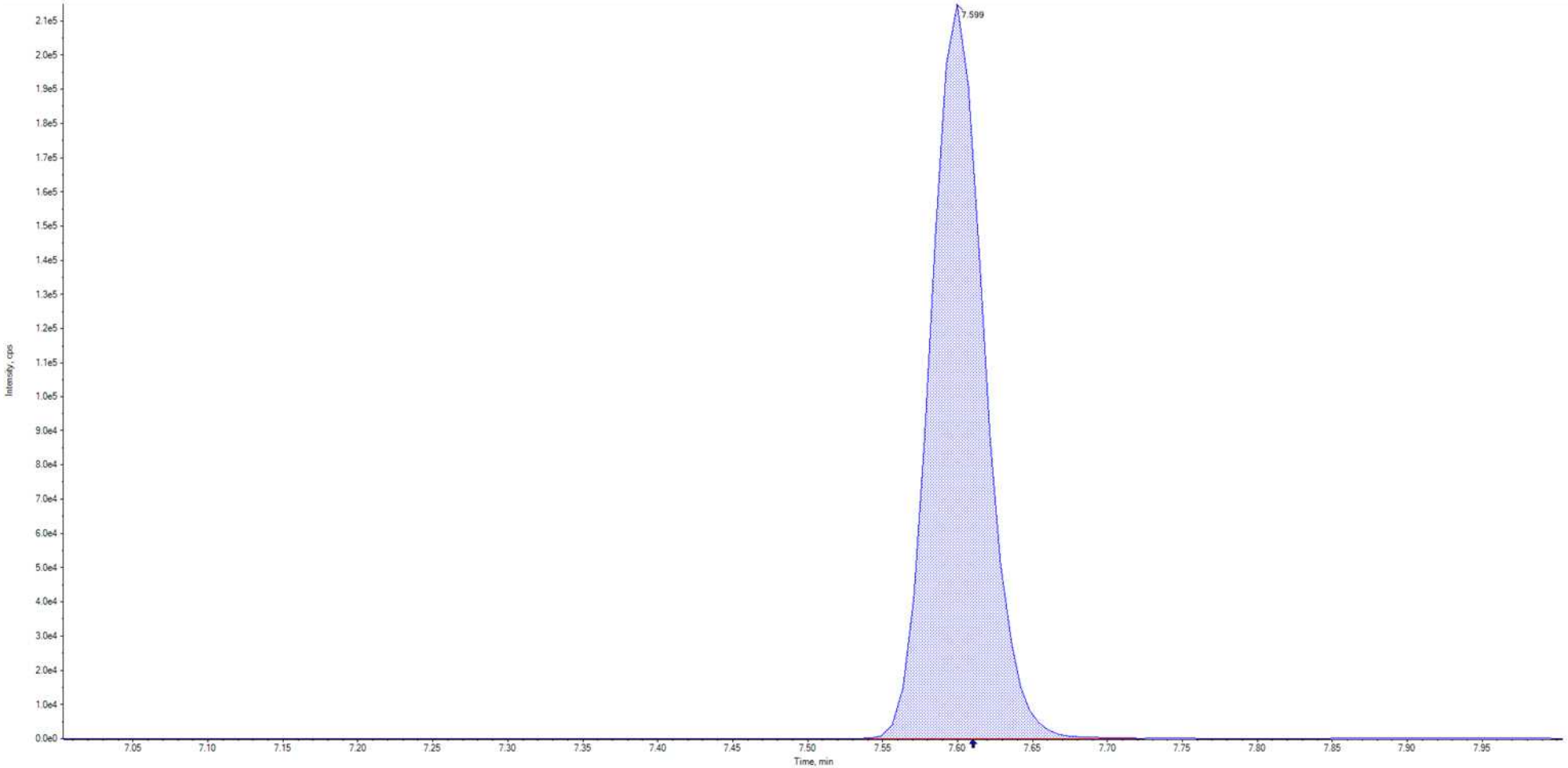


13C3-PFBS
Sample: L2447890-01



13C3-PFHxS
Sample: L2447890-01



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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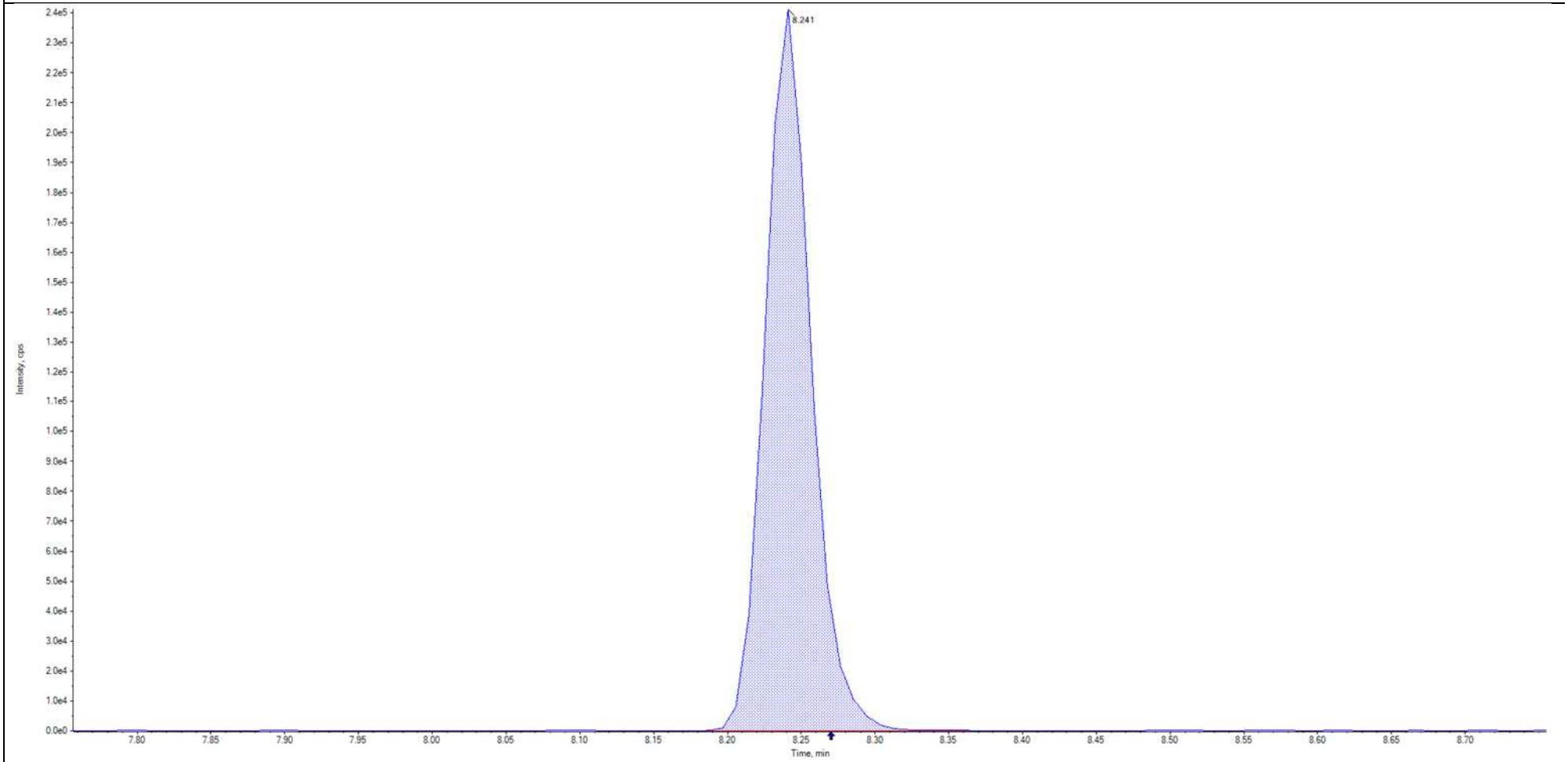
13C8-PFOS
Sample: L2447890-01



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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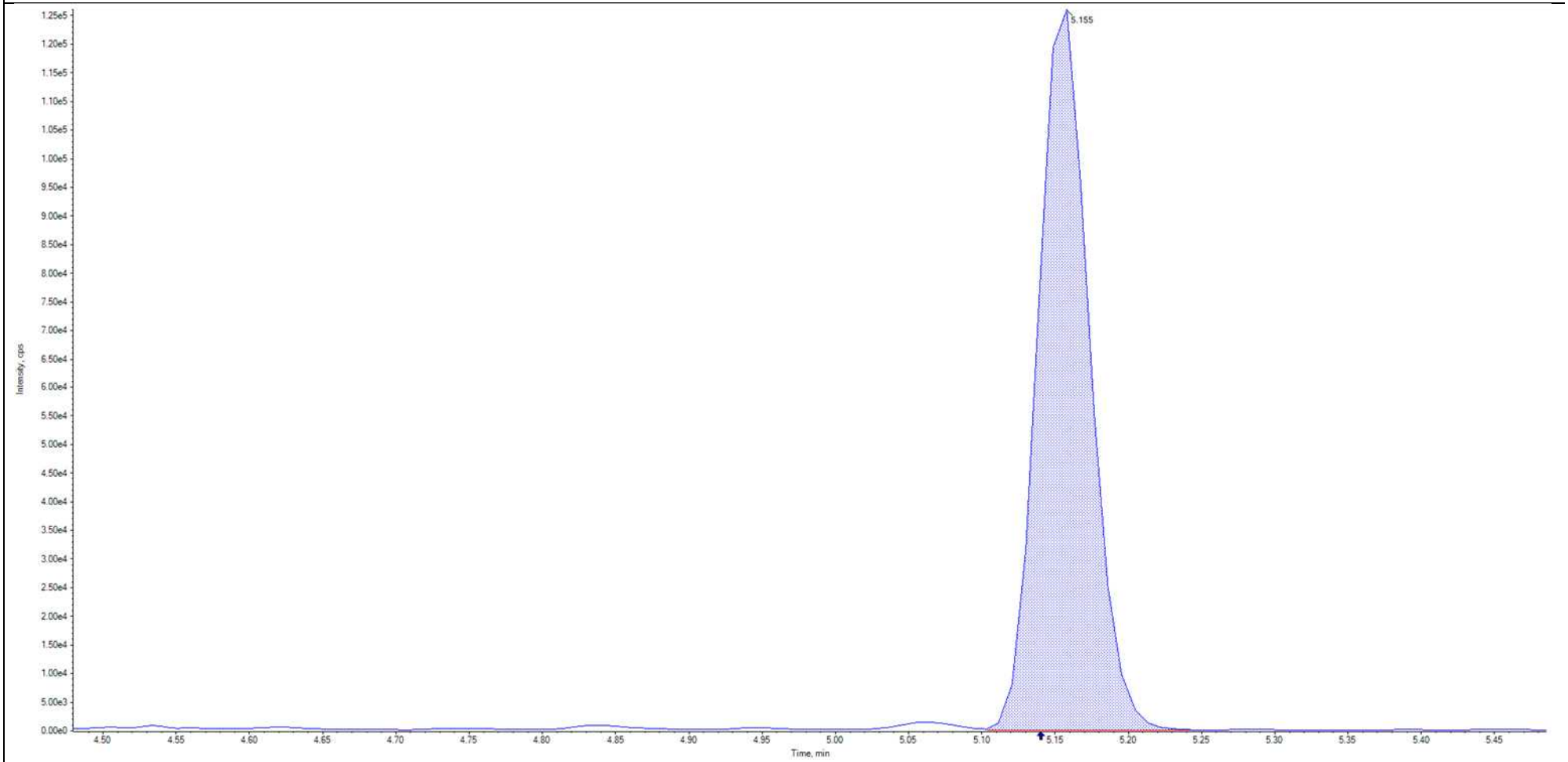
13C2-4:2FTS
Sample: L2447890-01



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13C2-6:2FTS
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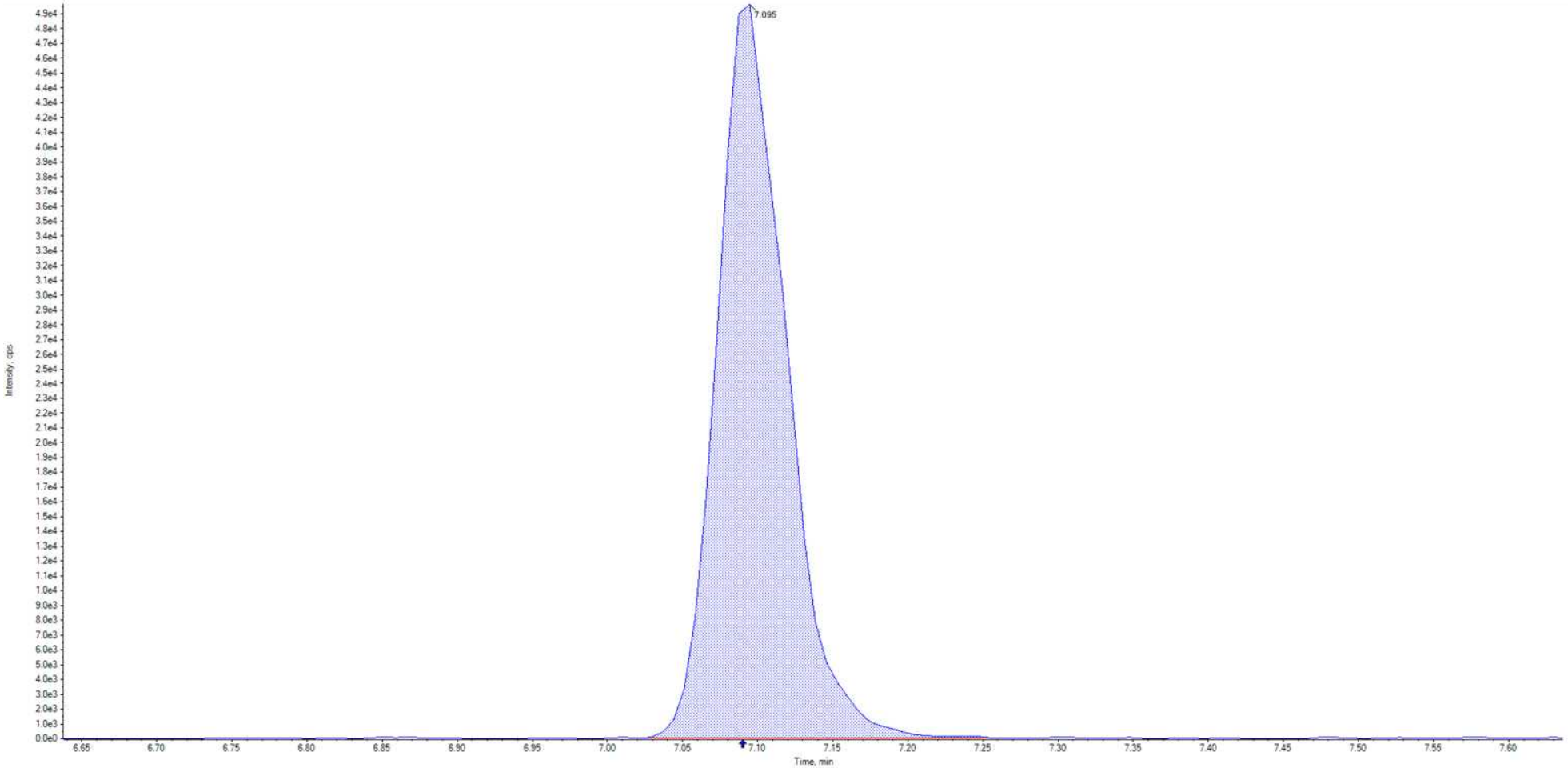

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13C2-8:2FTS
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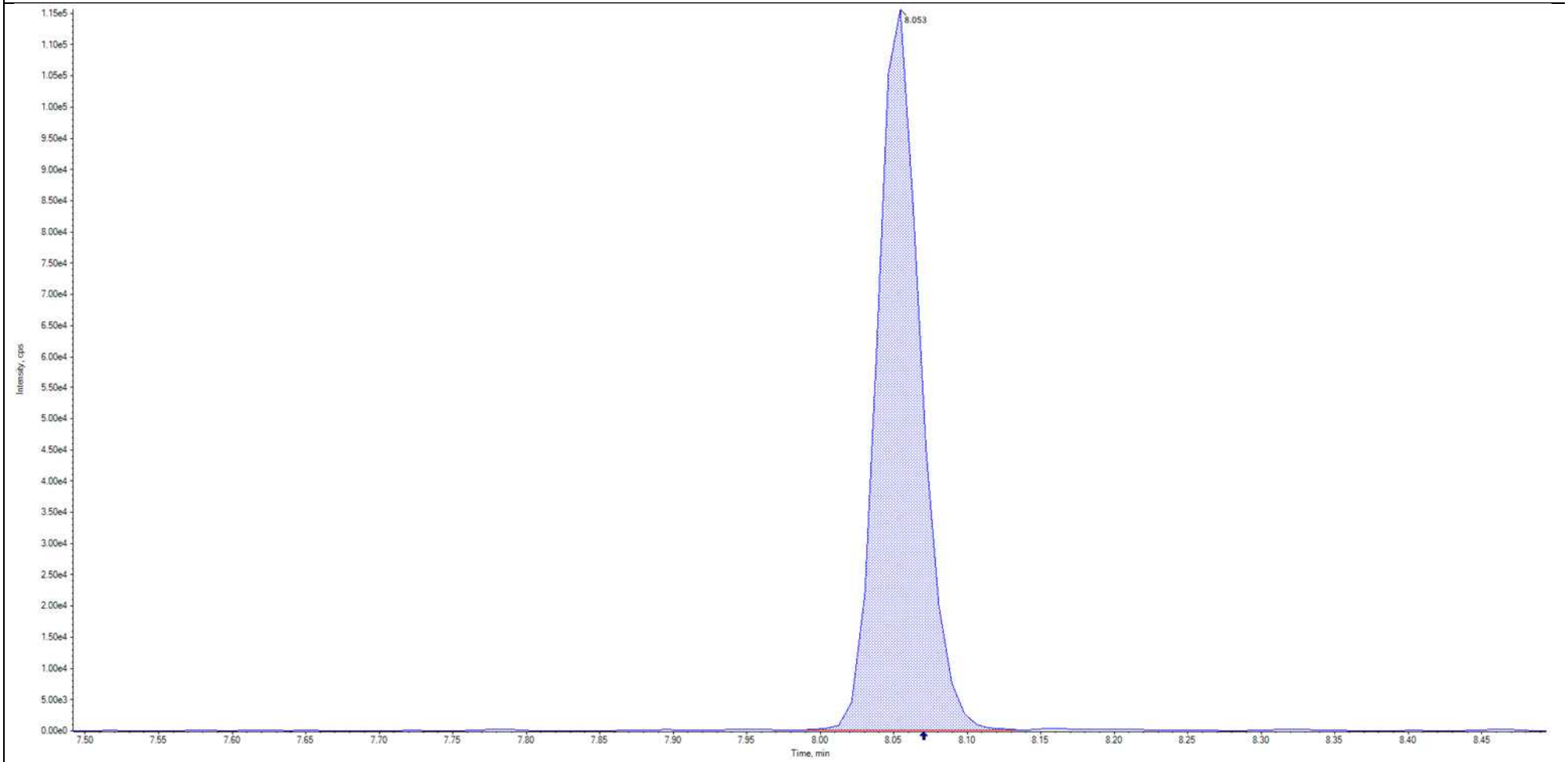
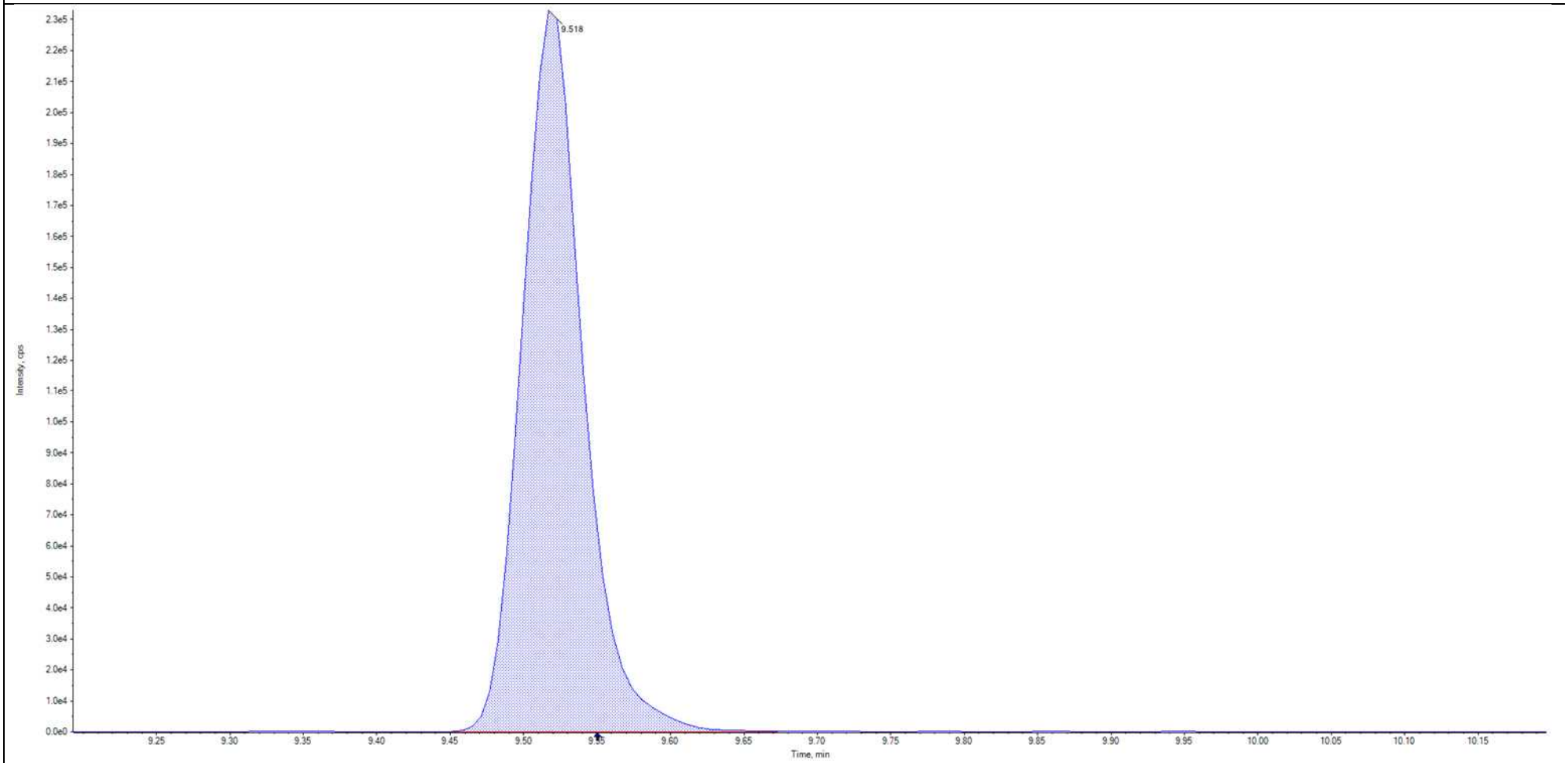
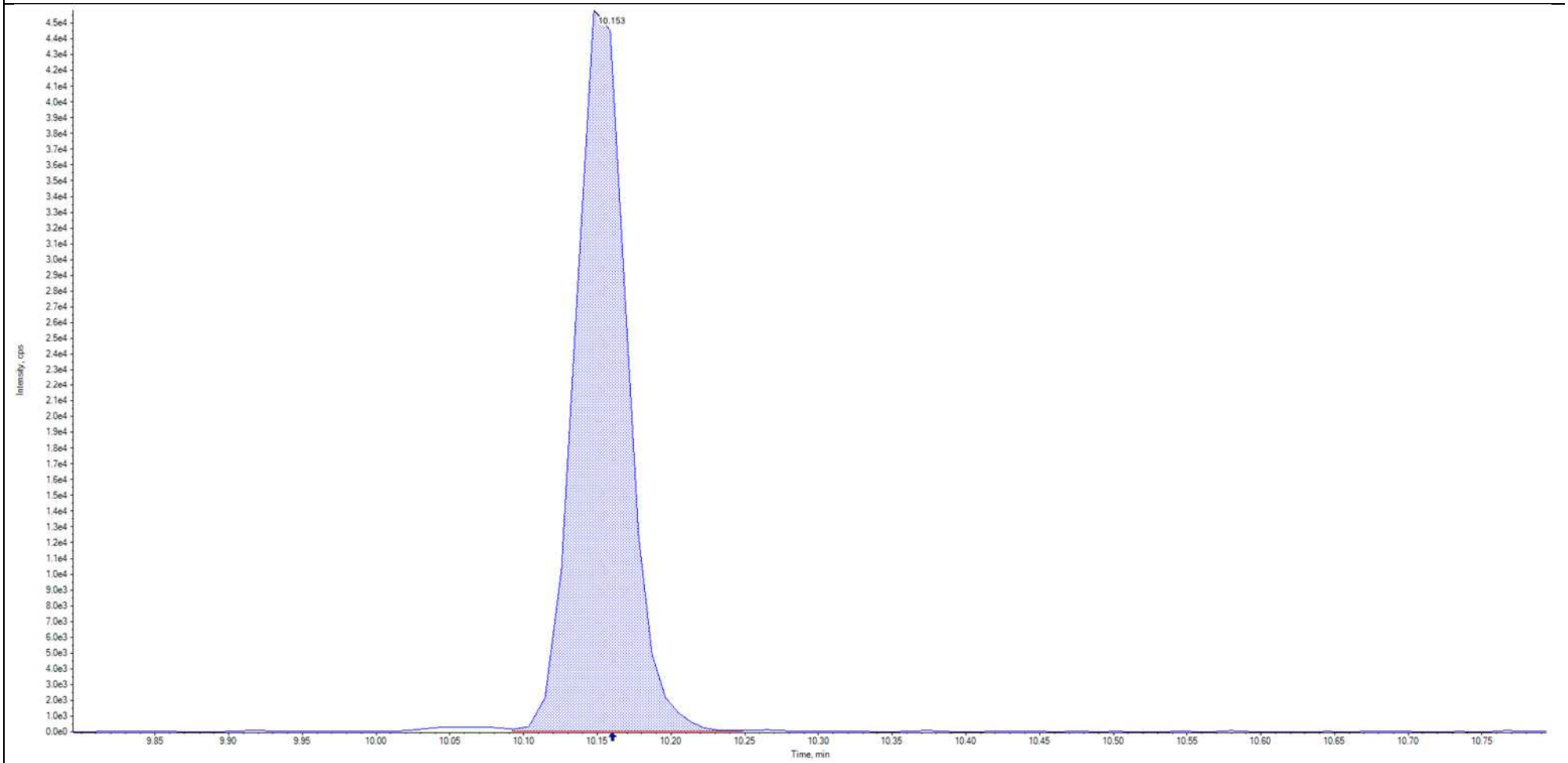


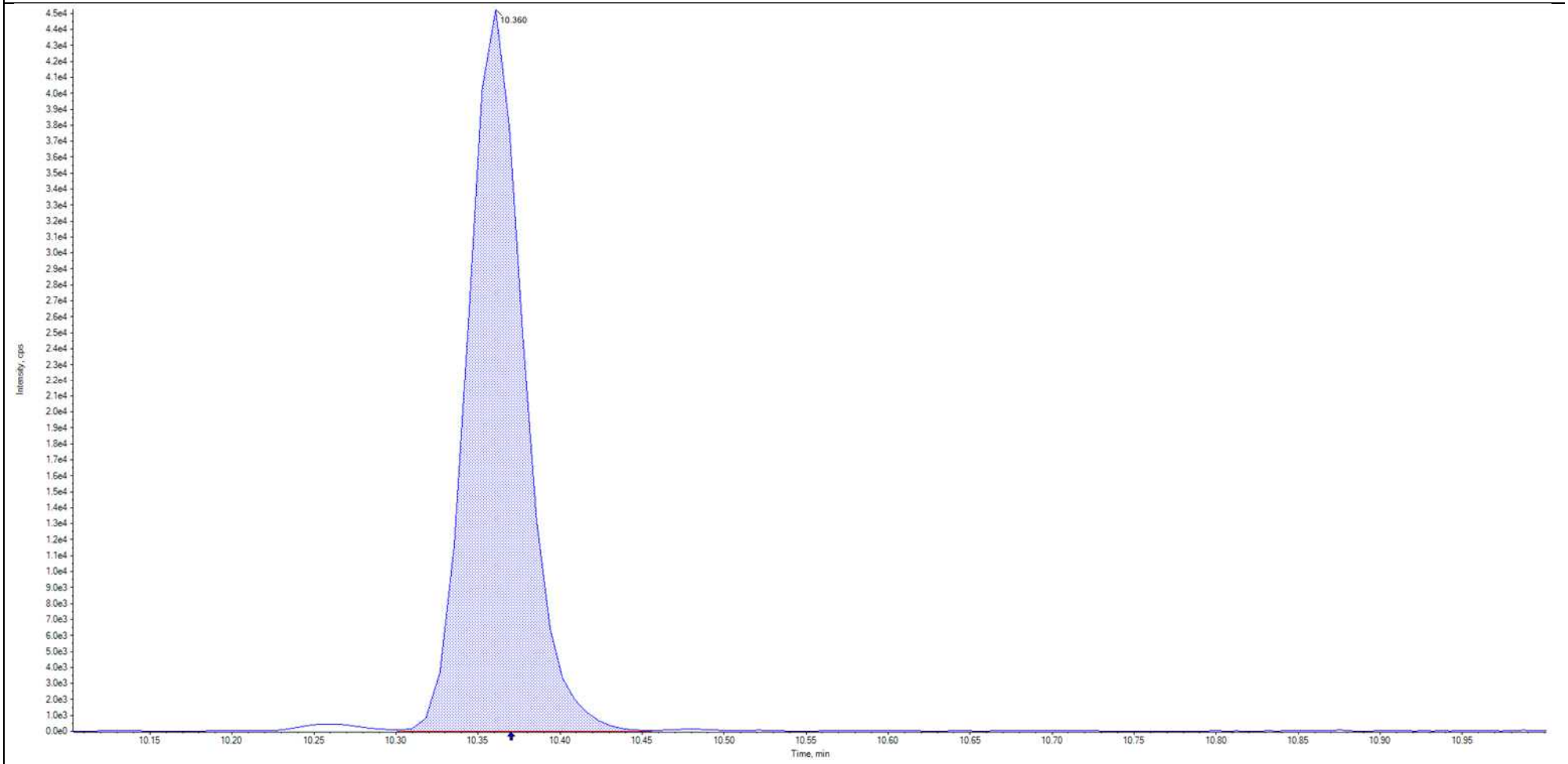
13C8-PFOSA
Sample: L2447890-01



d3-NMeFOSA
Sample: L2447890-01



d5-NEtFOSA
Sample: L2447890-01



d3-NMeFOSAA
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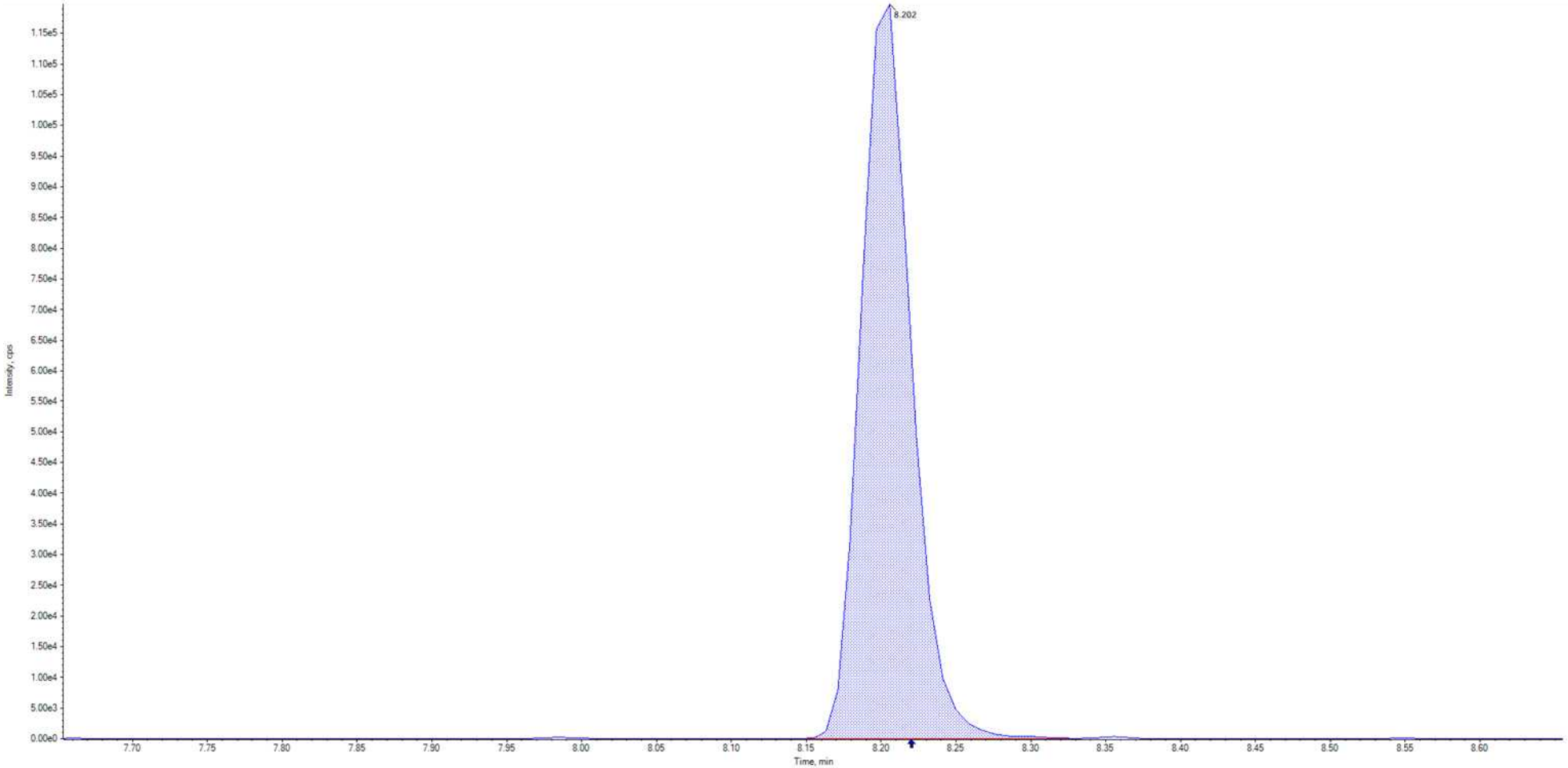

d5-NEtFOSAA
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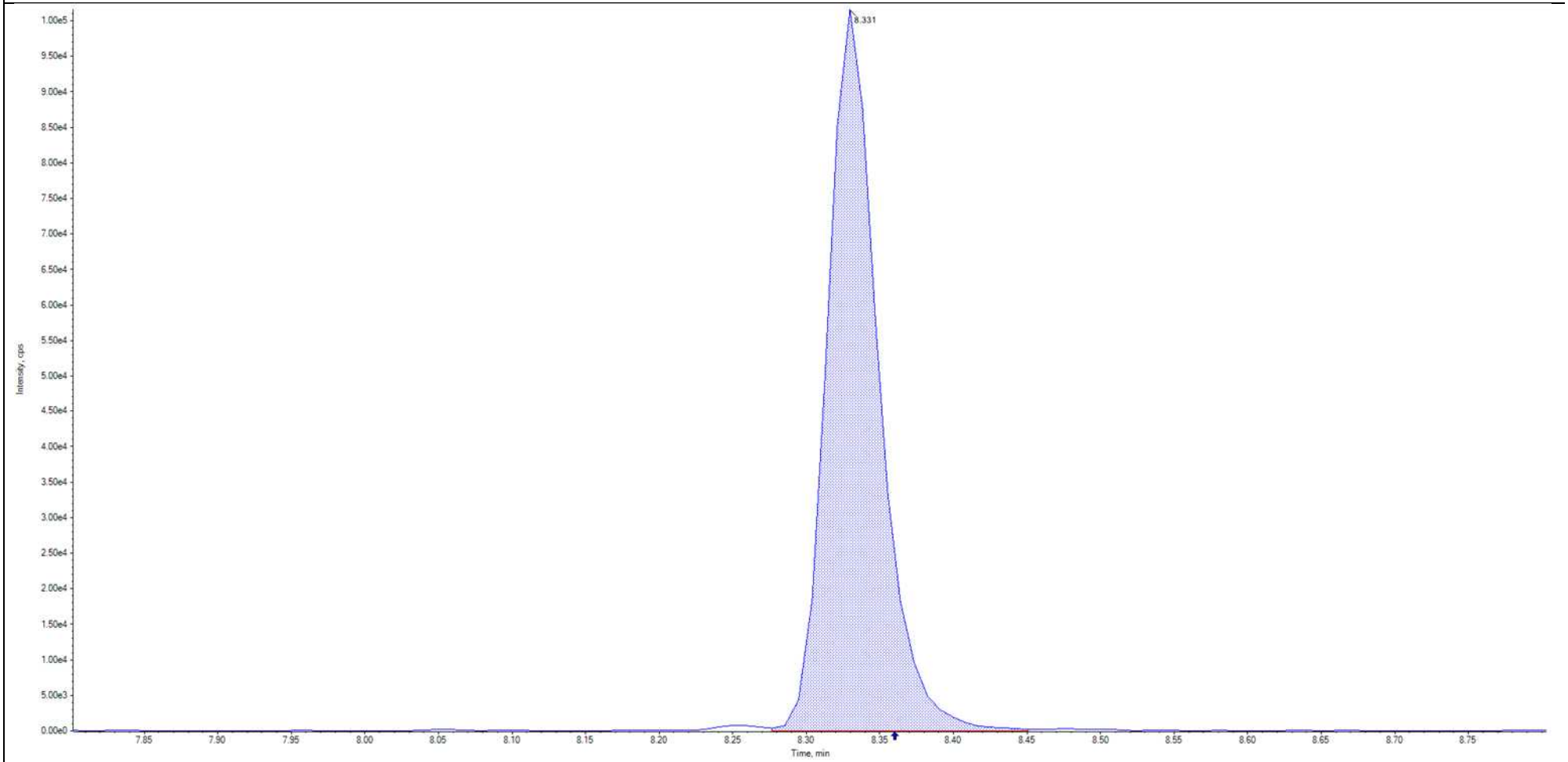
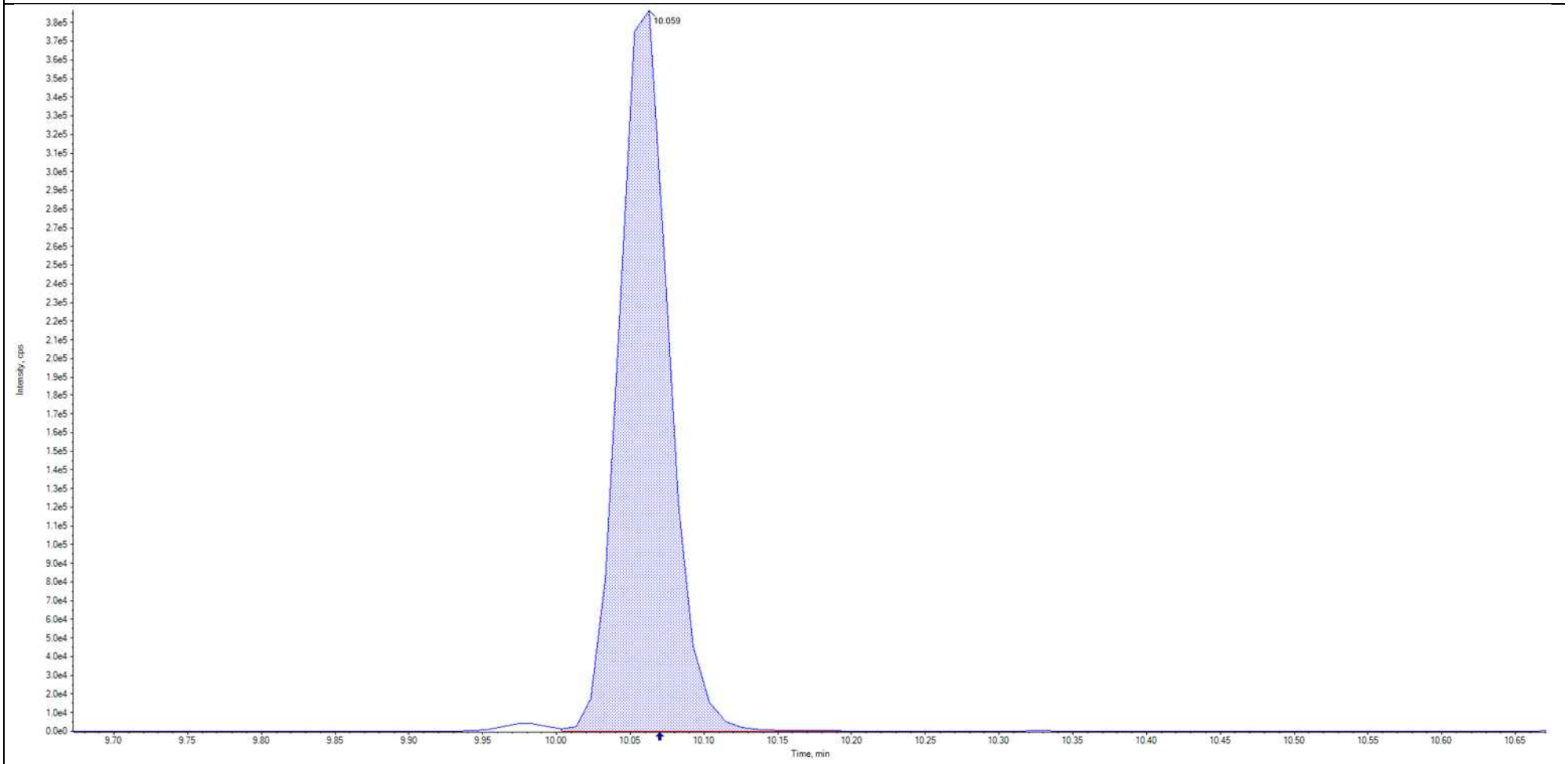
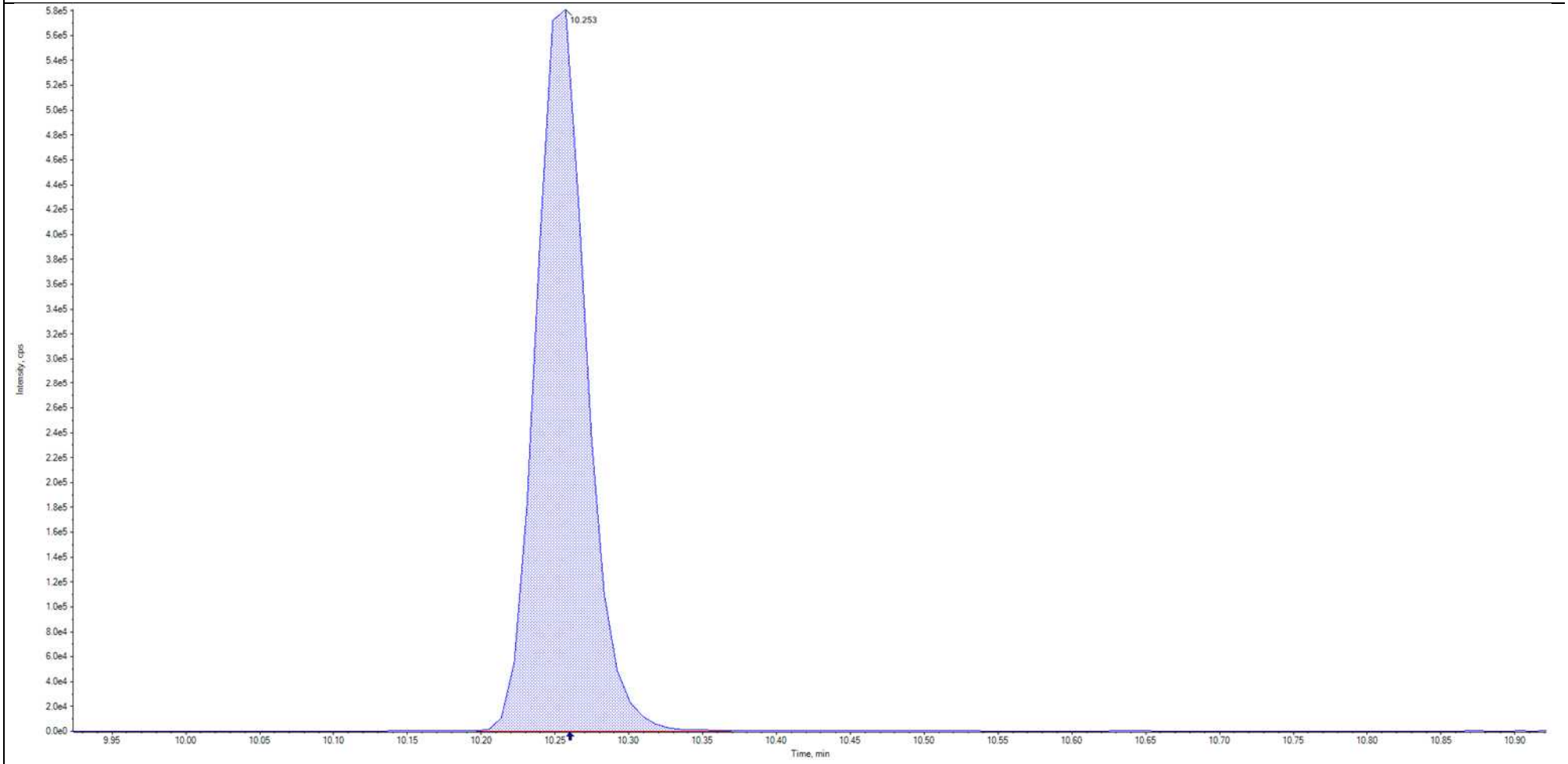


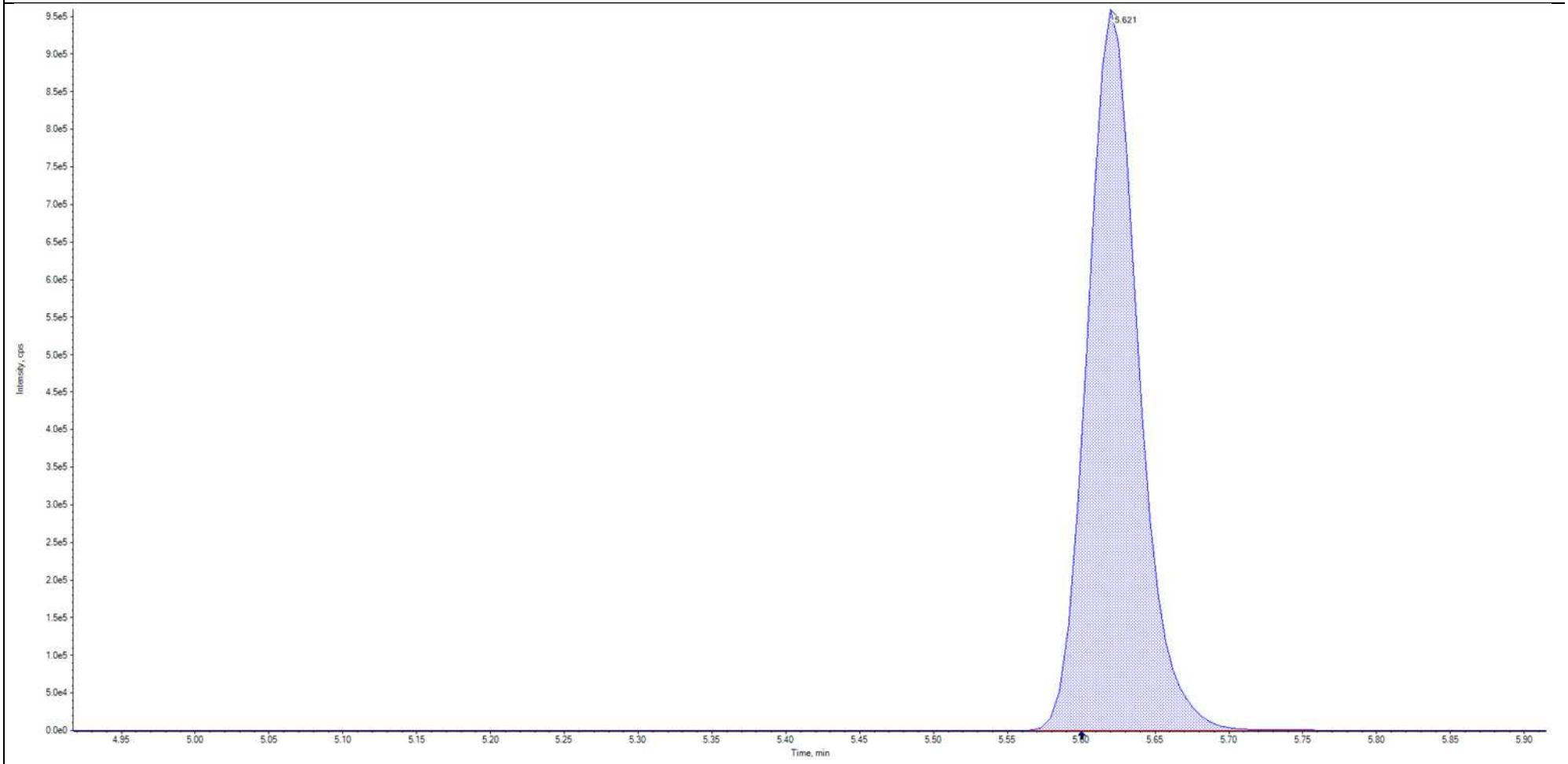
d7-NMeFOSE
Sample: L2447890-01



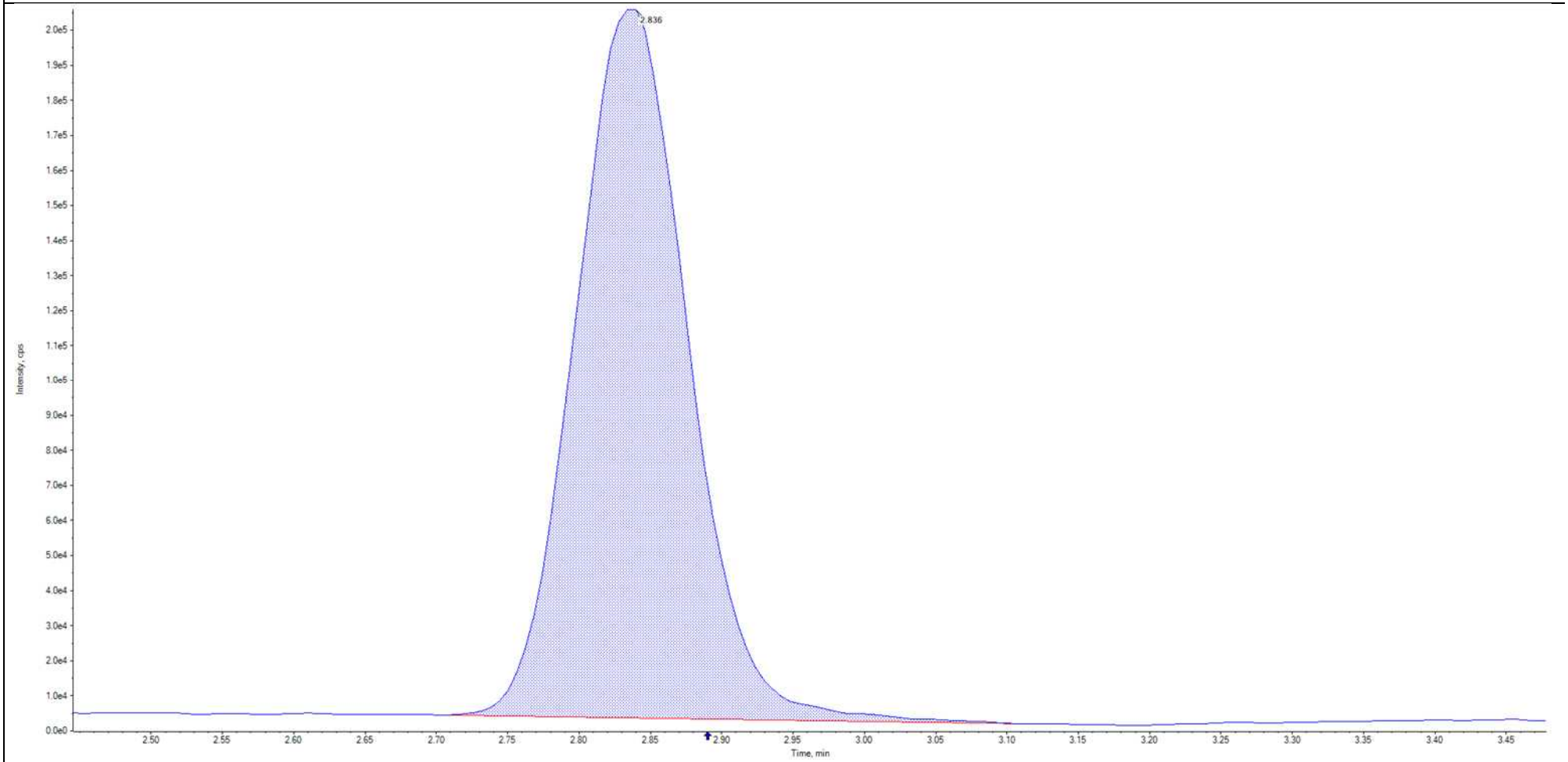
d9-NEtFOSE
Sample: L2447890-01



13C3-HFPO-DA
Sample: L2447890-01



13C3-PFBA
Sample: L2447890-01



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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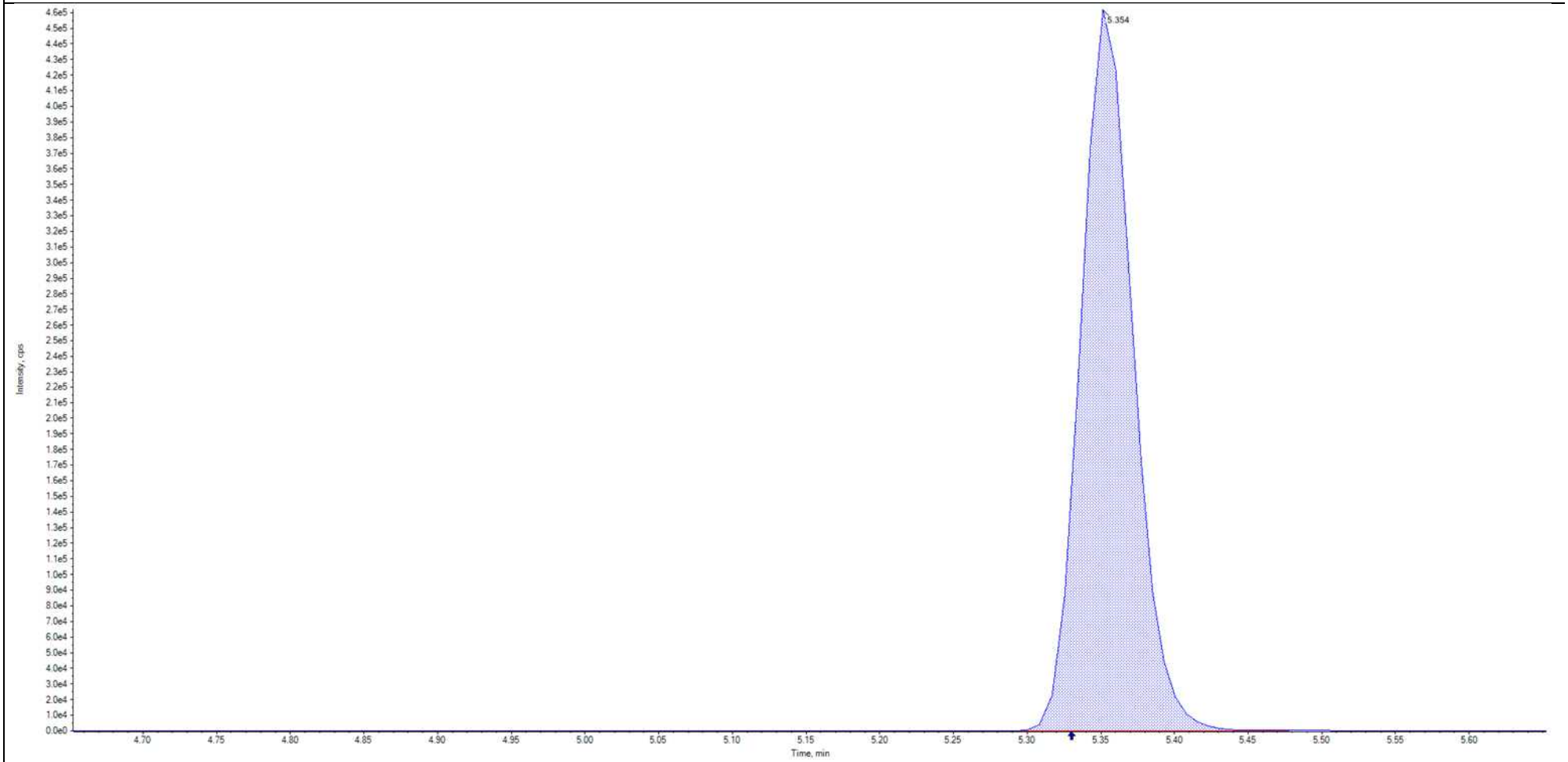
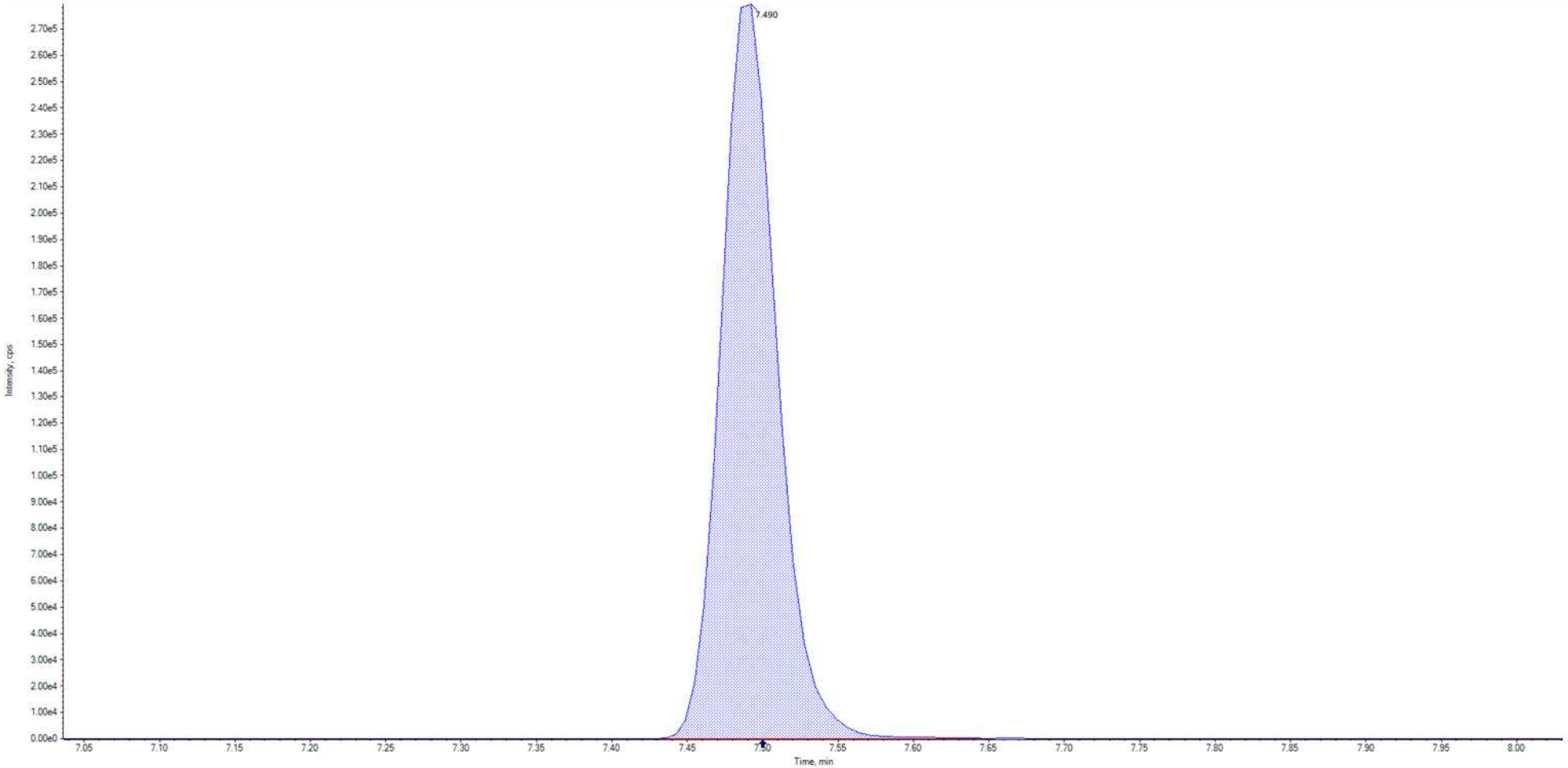
13C2-PFHxA
Sample: L2447890-01



13C4-PFOA
Sample: L2447890-01



13C5-PFNA
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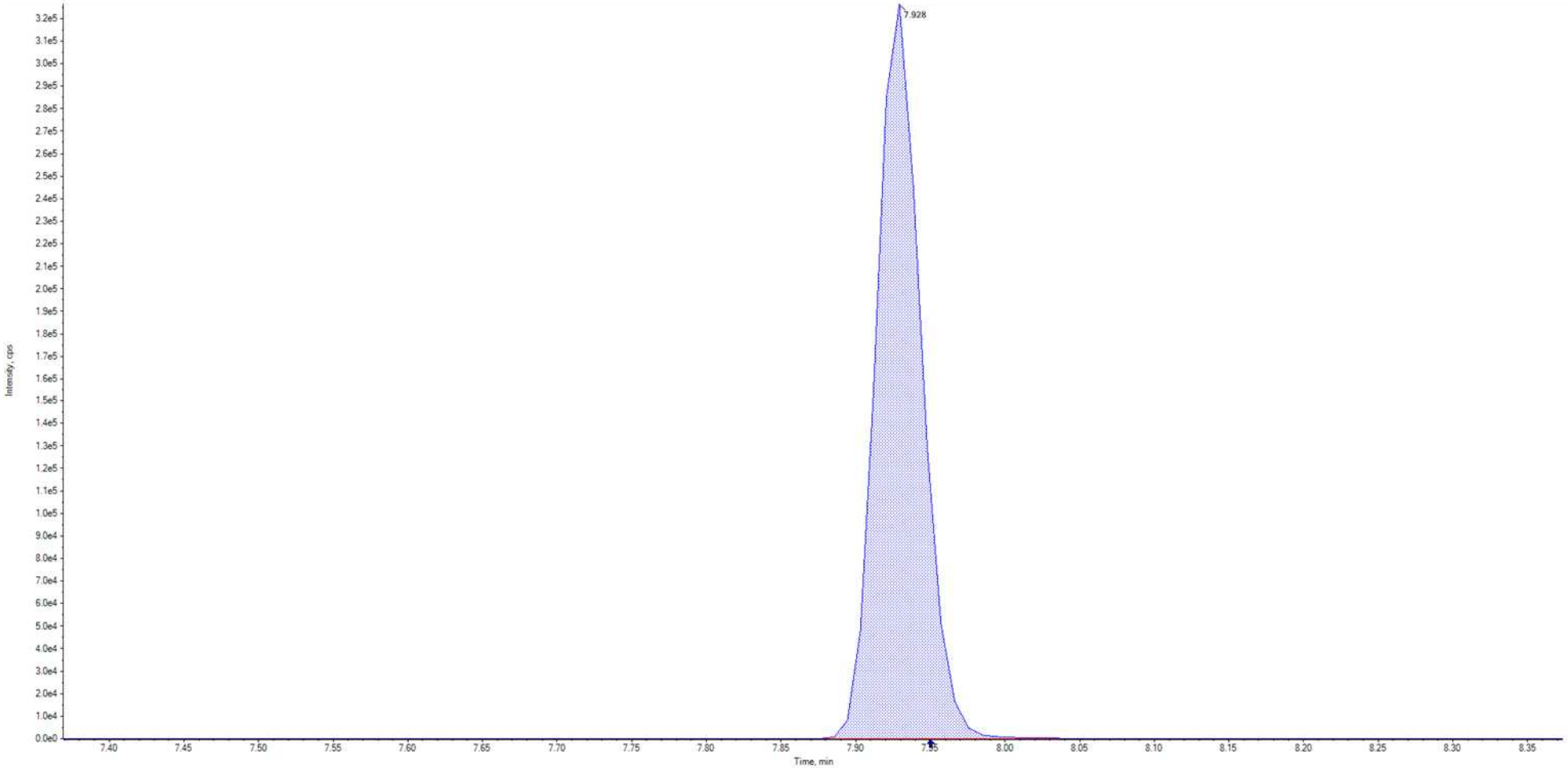
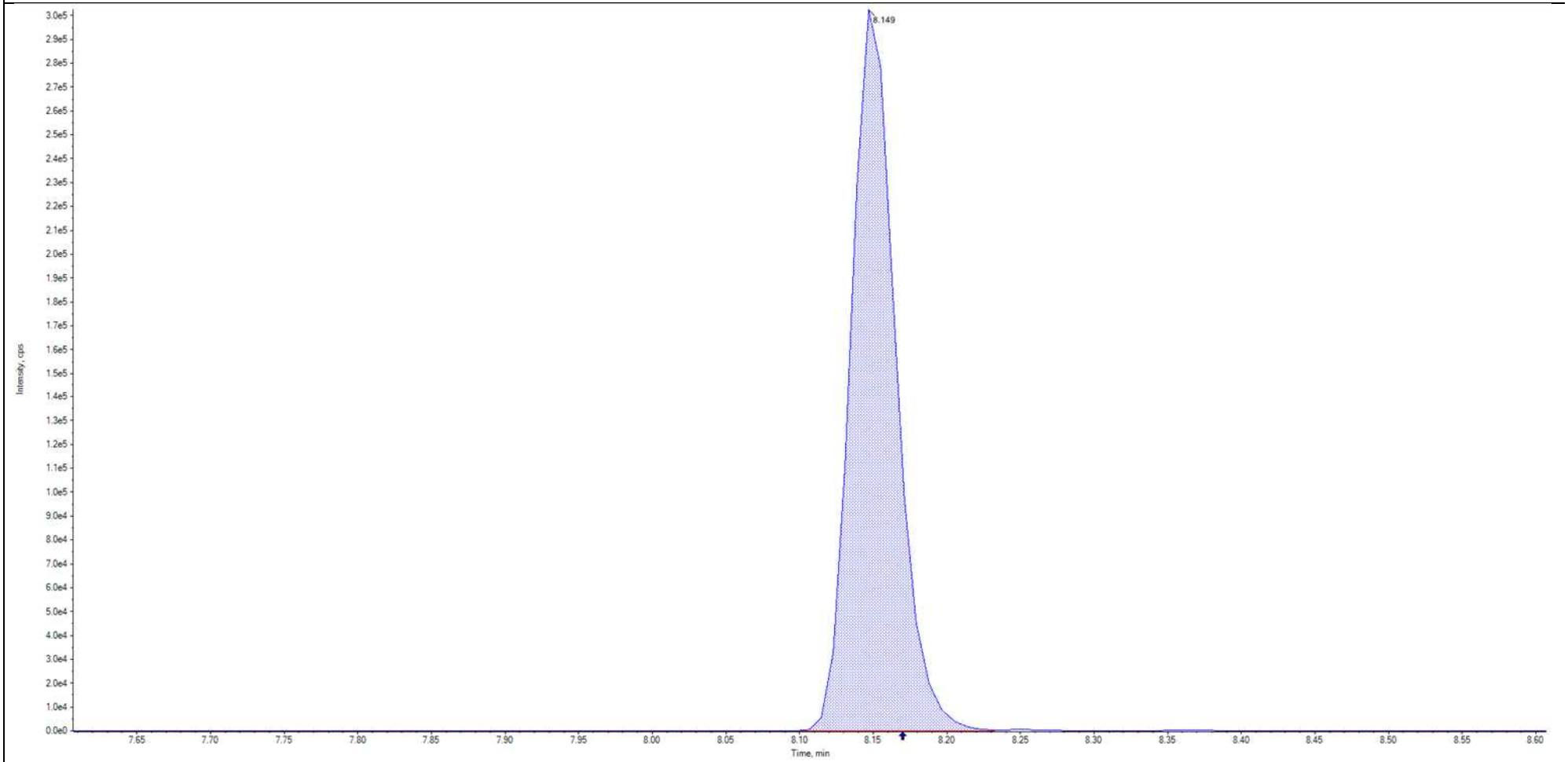


13C2-PFDA
Sample: L2447890-01



18O2-PFHxS
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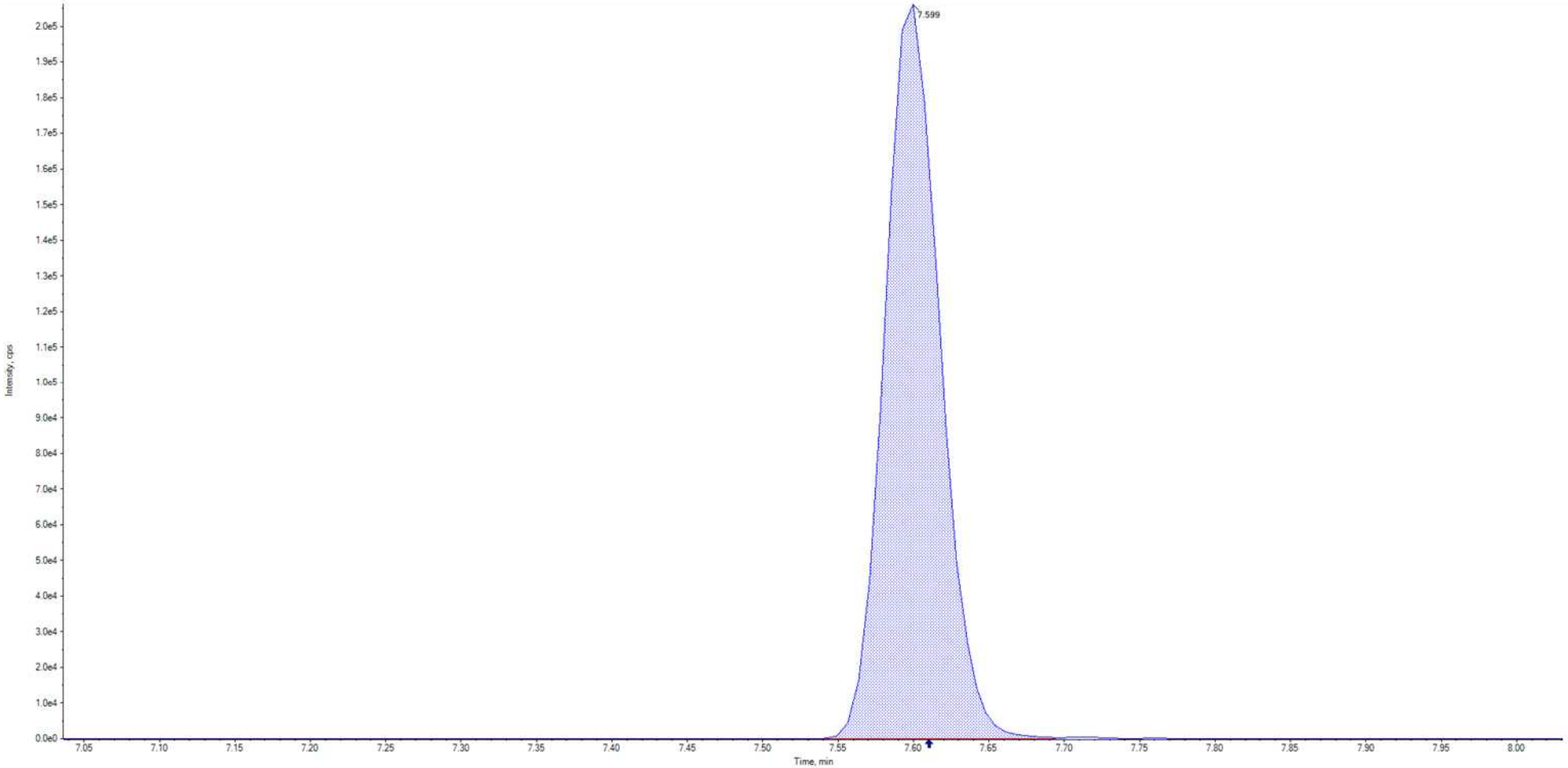

13C4-PFOS
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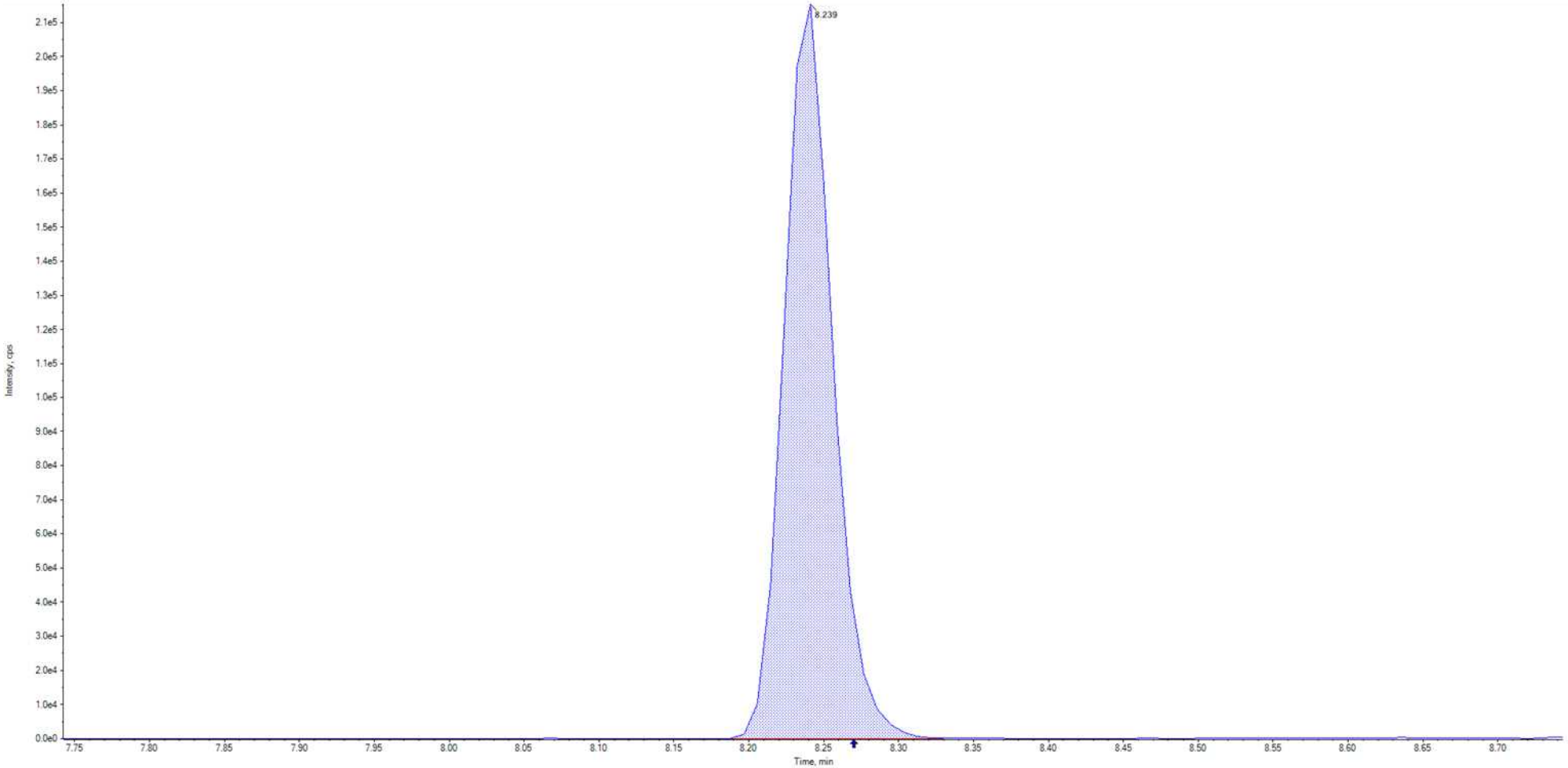

Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/18/2024 6:35:36 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-02
Name: SCI05_240918_20.wiff
Date & Time: 2024-09-18T09:34:07
Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	62527	M4	0.357	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.66	263.0 / 219.0	67116		0.262	0.003	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	172	M7	0.095	0.003	0.007	N/A	N/A
4	PFHxA	307-24-4	5.35	313.0 / 269.0	86243		0.221	0.079	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.35	313.0 / 119.0	6838		0.237	0.079	0.072	Pass	N/A
6	PFHpA	375-85-9	6.26	363.1 / 319.0	62992		0.163	0.313	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.26	363.1 / 169.0	19731		0.167	0.313	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.48	413.1 / 369.1	127362	M5	0.506	0.558	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.48	413.1 / 169.0	71037	M7	0.515	0.558	0.586	Pass	N/A
10	PFNA	375-95-1	7.92	462.8 / 418.9	44258		0.140	0.291	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.92	462.8 / 218.9	12874	M7	0.133	0.291	0.313	Pass	N/A
12	PFDA	335-76-2	8.15	513.1 / 469.1	41791	M4	0.123	0.184	0.142	Pass	N/A
13	PFDA_2	335-76-2	8.14	513.1 / 219.0	7673	M7	0.151	0.184	0.142	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.32	299.1 / 80.1	36840		0.133	0.298	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	10978		0.099	0.298	0.396	Pass	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	7.59	399.1 / 80.1	19422	M5	0.097	0.296	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.59	399.1 / 99.1	5756	M7	0.093	0.296	0.315	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	8.24	499.1 / 80.1	95981	M5	0.492	0.254	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.23	499.1 / 99.1	24386	M7	0.510	0.254	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.83	217.0 / 172.0	2162452		8.533	NA	NA	NA	85.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.65	268.0 / 223.0	1391595		4.570	NA	NA	NA	91.4
	13C5-PFHxA	EIS	5.34	318.0 / 273.0	799803		2.000	NA	NA	NA	80.0
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	825333		2.061	NA	NA	NA	82.4
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1210163		2.151	NA	NA	NA	86.0
	13C9-PFNA	EIS	7.92	472.0 / 427.0	540086		1.004	NA	NA	NA	80.3
	13C6-PFDA	EIS	8.14	519.0 / 474.0	493099		0.935	NA	NA	NA	74.8
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	379663		0.890	NA	NA	NA	71.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	292764		1.055	NA	NA	NA	84.4
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	223023		0.740	NA	NA	NA	59.2
	13C3-PFBS	EIS	5.32	302.1 / 80.1	661659		1.982	NA	NA	NA	85.1
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	500409		1.887	NA	NA	NA	79.6
	13C8-PFOS	EIS	8.23	507.1 / 80.1	474986		1.702	NA	NA	NA	71.1
	13C2-4:2FTS	EIS	5.14	329.1 / 81.1	281113		4.718	NA	NA	NA	100.6
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	156627		3.587	NA	NA	NA	75.4
	13C2-8:2FTS	EIS	8.04	529.2 / 81.1	232380		3.636	NA	NA	NA	75.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	635724		1.714	NA	NA	NA	68.5
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	107907		1.728	NA	NA	NA	69.1
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	103444		1.696	NA	NA	NA	67.8
	d3-NMeFOSAA	EIS	8.19	573.2 / 419.1	279403		1.979	NA	NA	NA	39.6
	d5-NEtFOSAA	EIS	8.32	589.3 / 419.1	219460		2.958	NA	NA	NA	59.2
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	826223		17.131	NA	NA	NA	68.5
	d9-NEtFOSE	EIS	10.24	639.2 / 58.9	1220869		17.169	NA	NA	NA	68.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2320974		8.756	NA	NA	NA	87.6
	13C3-PFBA	NIS	2.83	216.0 / 172.0	1108571		5.185	NA	NA	NA	103.7
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1187545		2.425	NA	NA	NA	97.0
	13C4-PFOA	NIS	7.48	417.0 / 372.0	736119		2.351	NA	NA	NA	94.1
	13C5-PFNA	NIS	7.92	468.0 / 423.0	655663		1.197	NA	NA	NA	95.8
	13C2-PFDA	NIS	8.14	515.1 / 470.1	619567		1.209	NA	NA	NA	96.7
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	539002		2.301	NA	NA	NA	97.1
	13C4-PFOS	NIS	8.23	503.1 / 80.1	493630		2.345	NA	NA	NA	97.9

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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 3.0.0.3339
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PFBA
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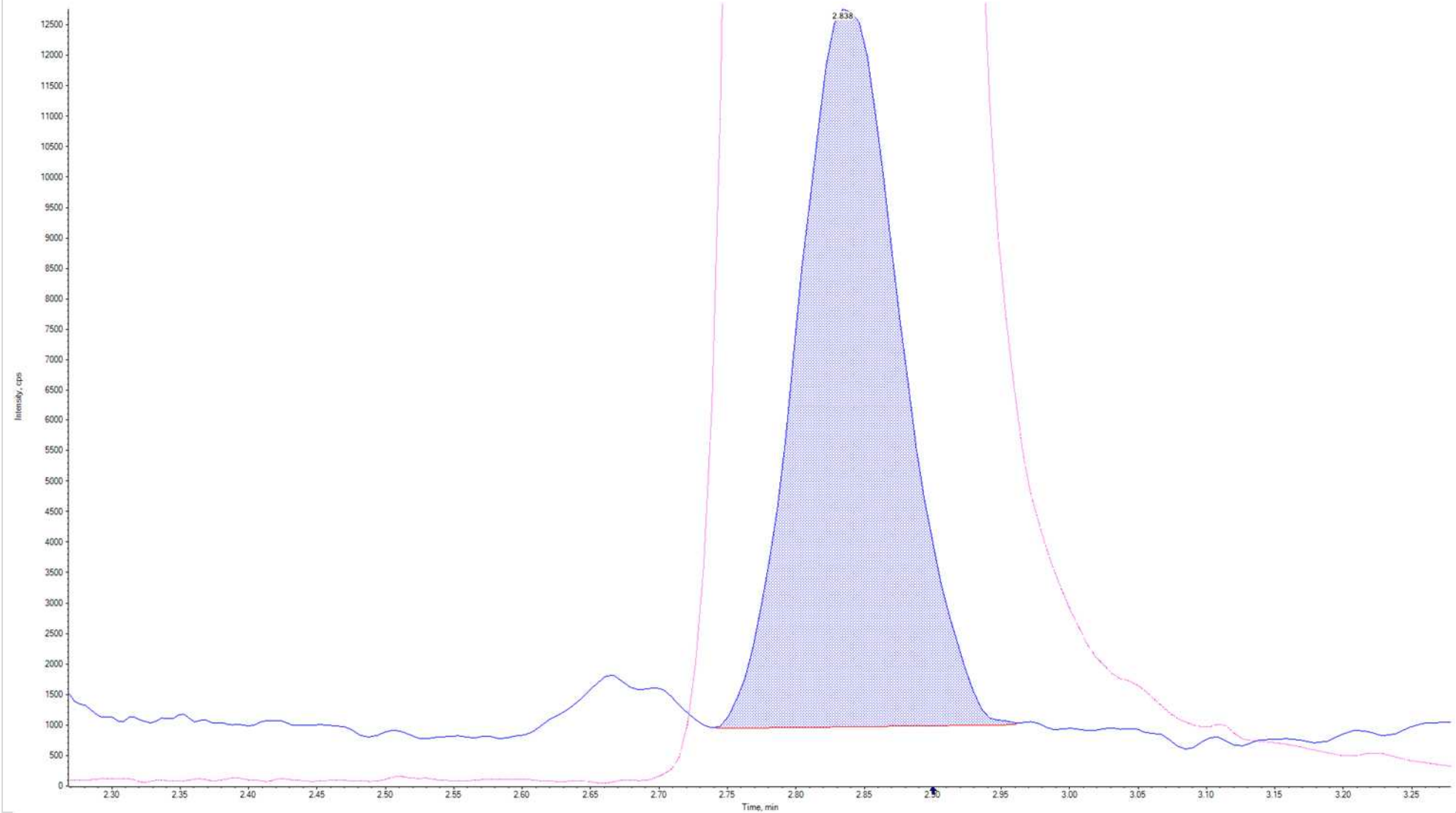

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PFPeA
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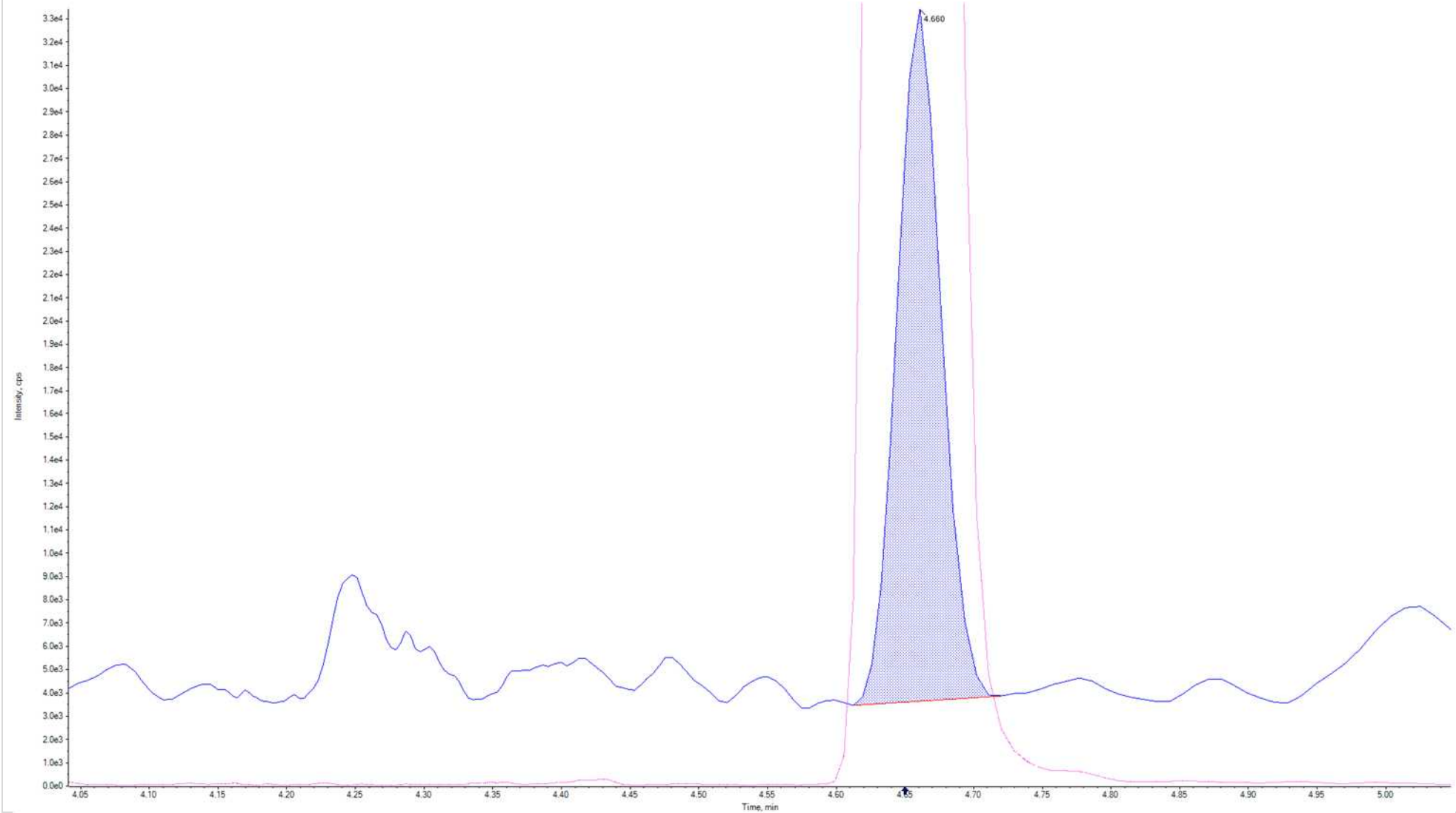

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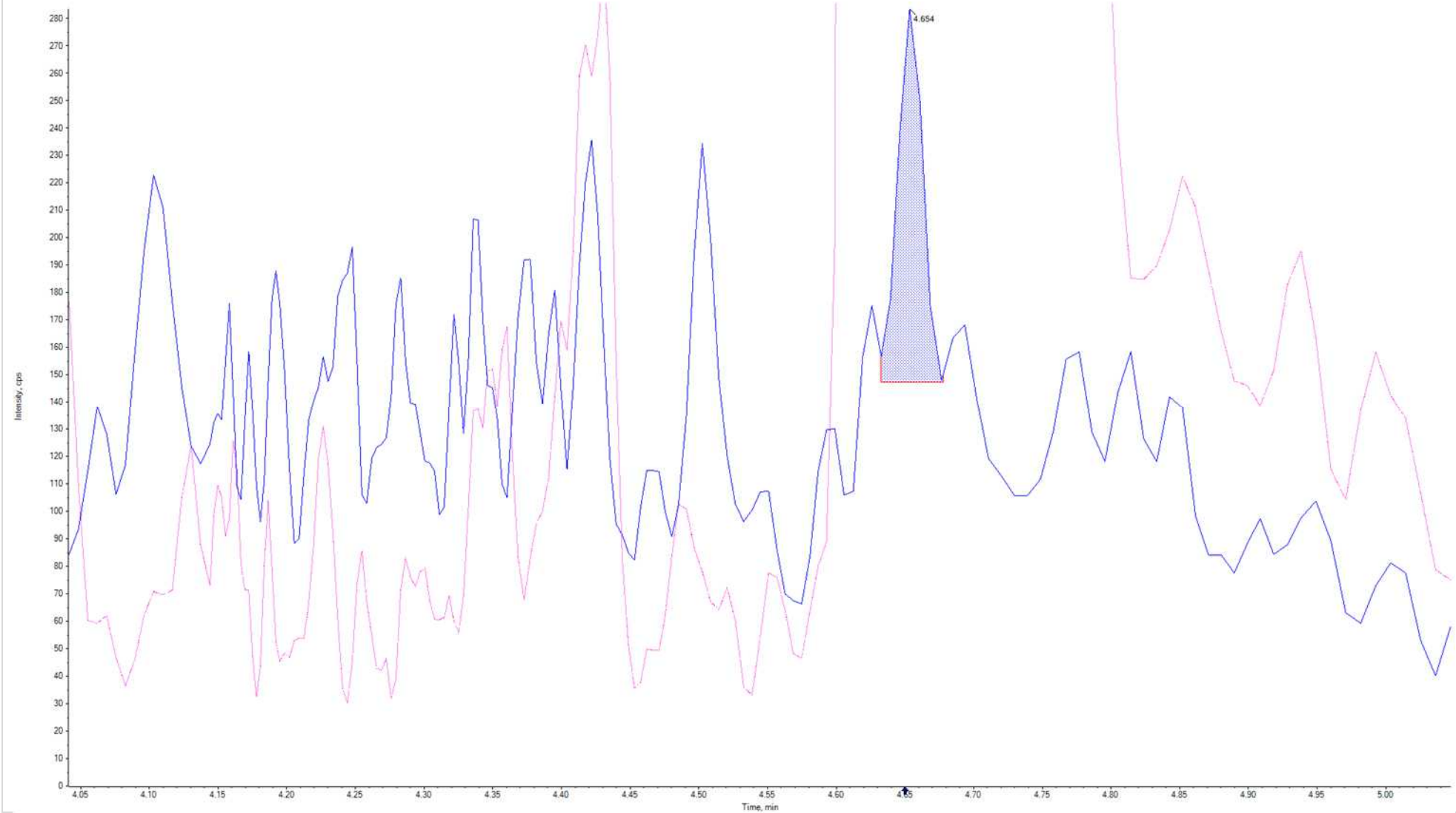
PFPeA_2
Sample: L2447890-02 S/N:13.6 Points Across peak:9



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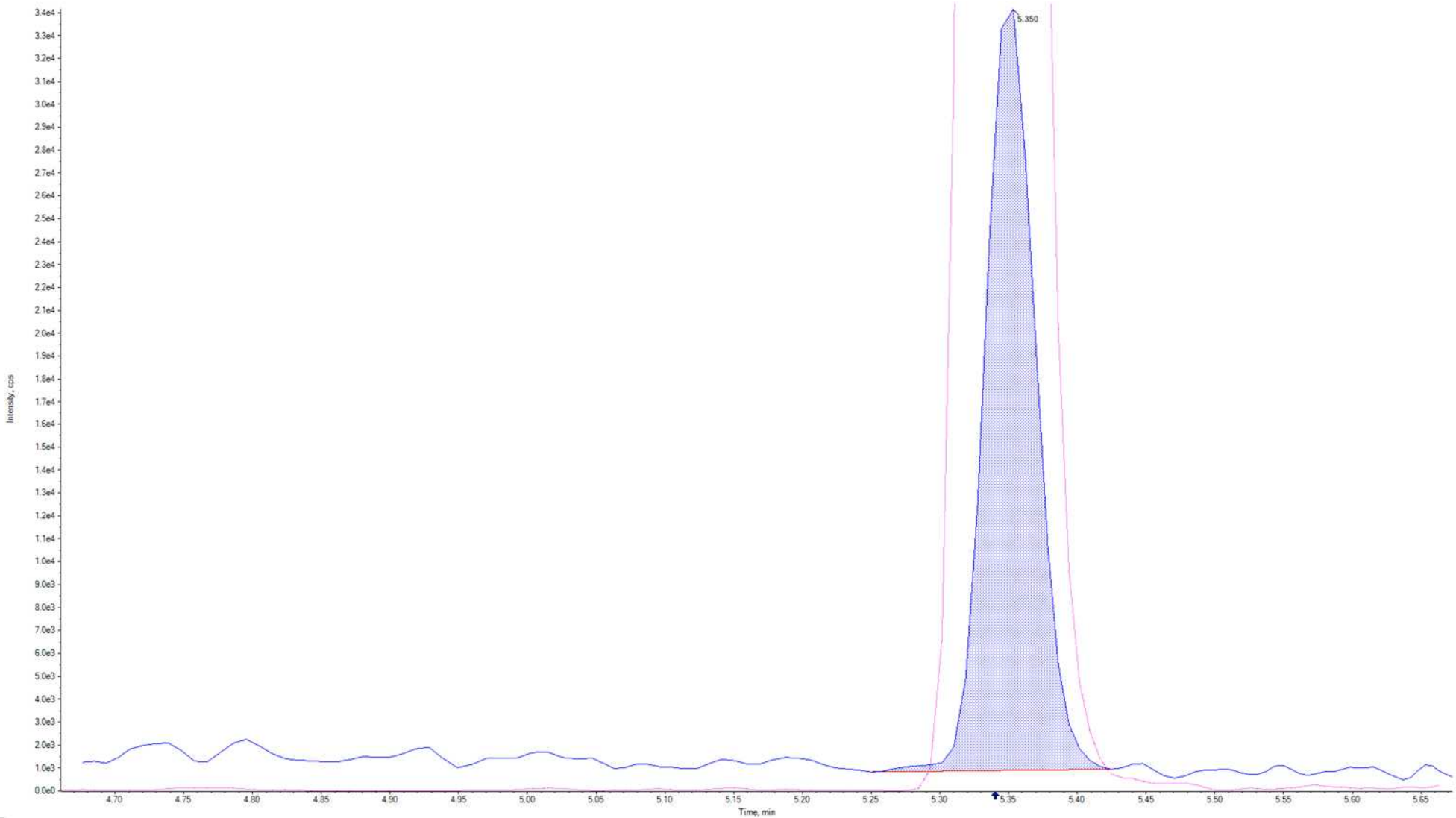
PFHxA
Sample: L2447890-02 S/N:225.8 Points Across peak:22



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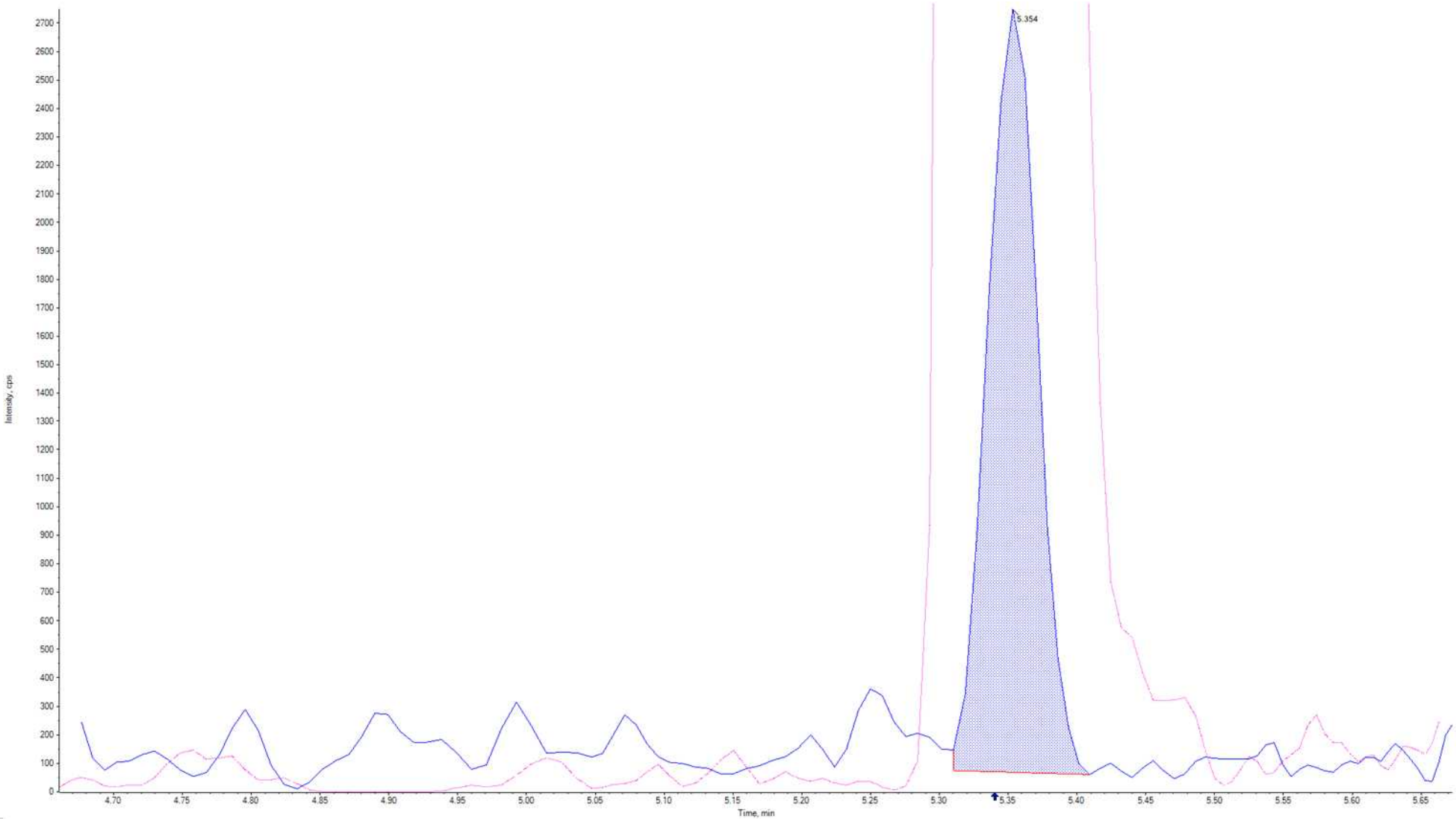
PFHxA_2
Sample: L2447890-02 S/N:151.2 Points Across peak:13



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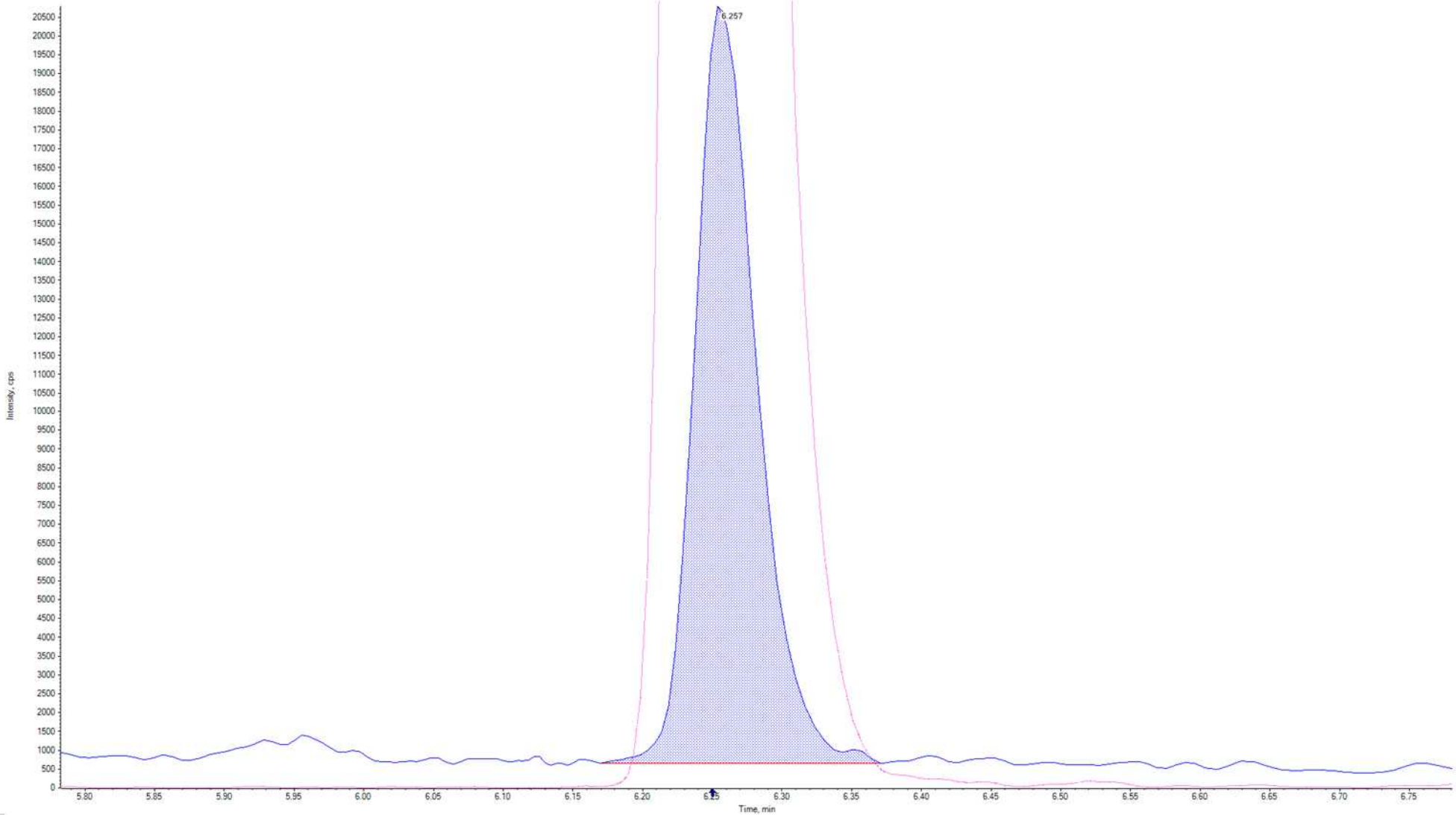
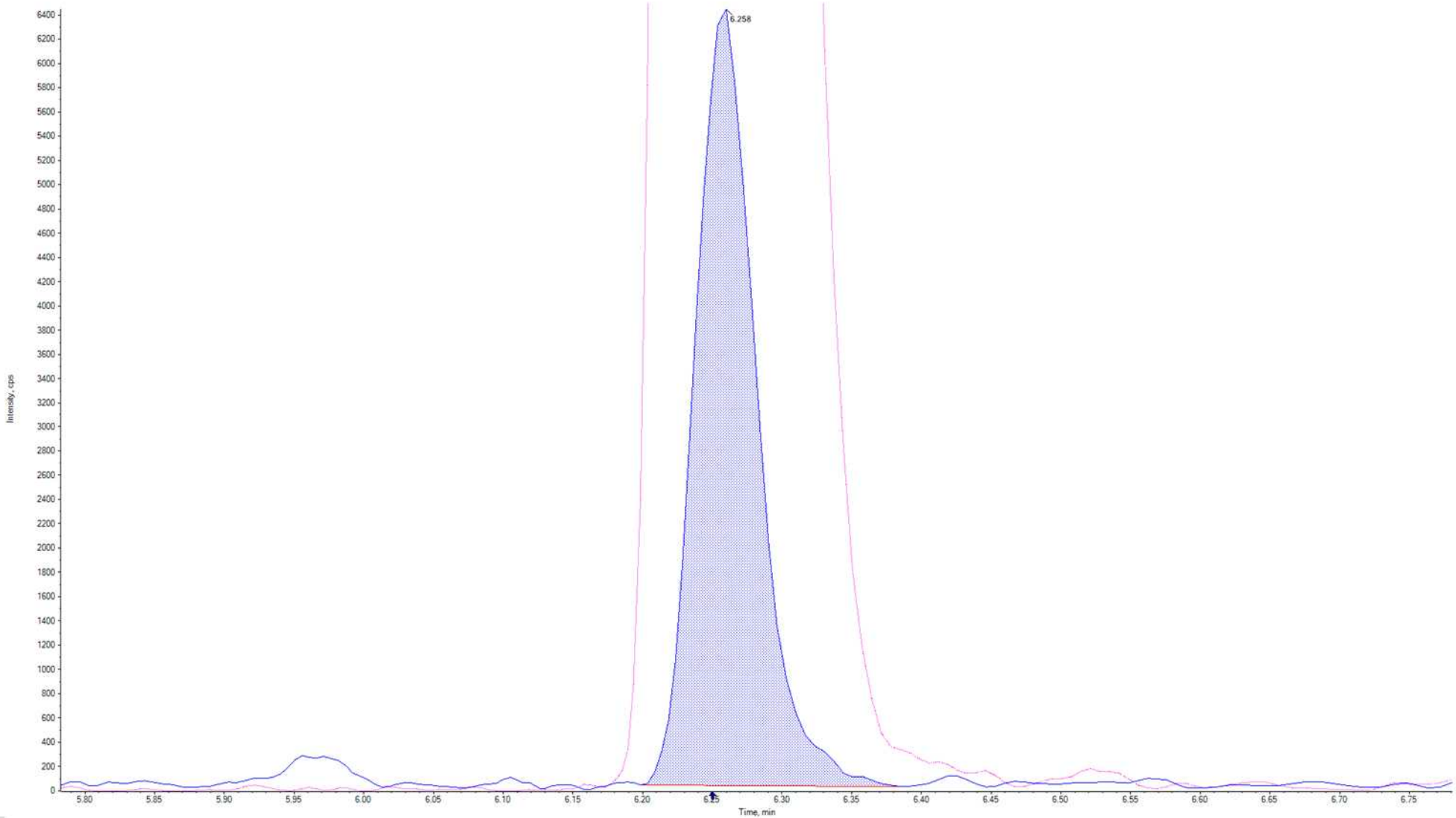
PFHpA
Sample: L2447890-02 S/N:392.4 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA_2
Sample: L2447890-02 S/N:931.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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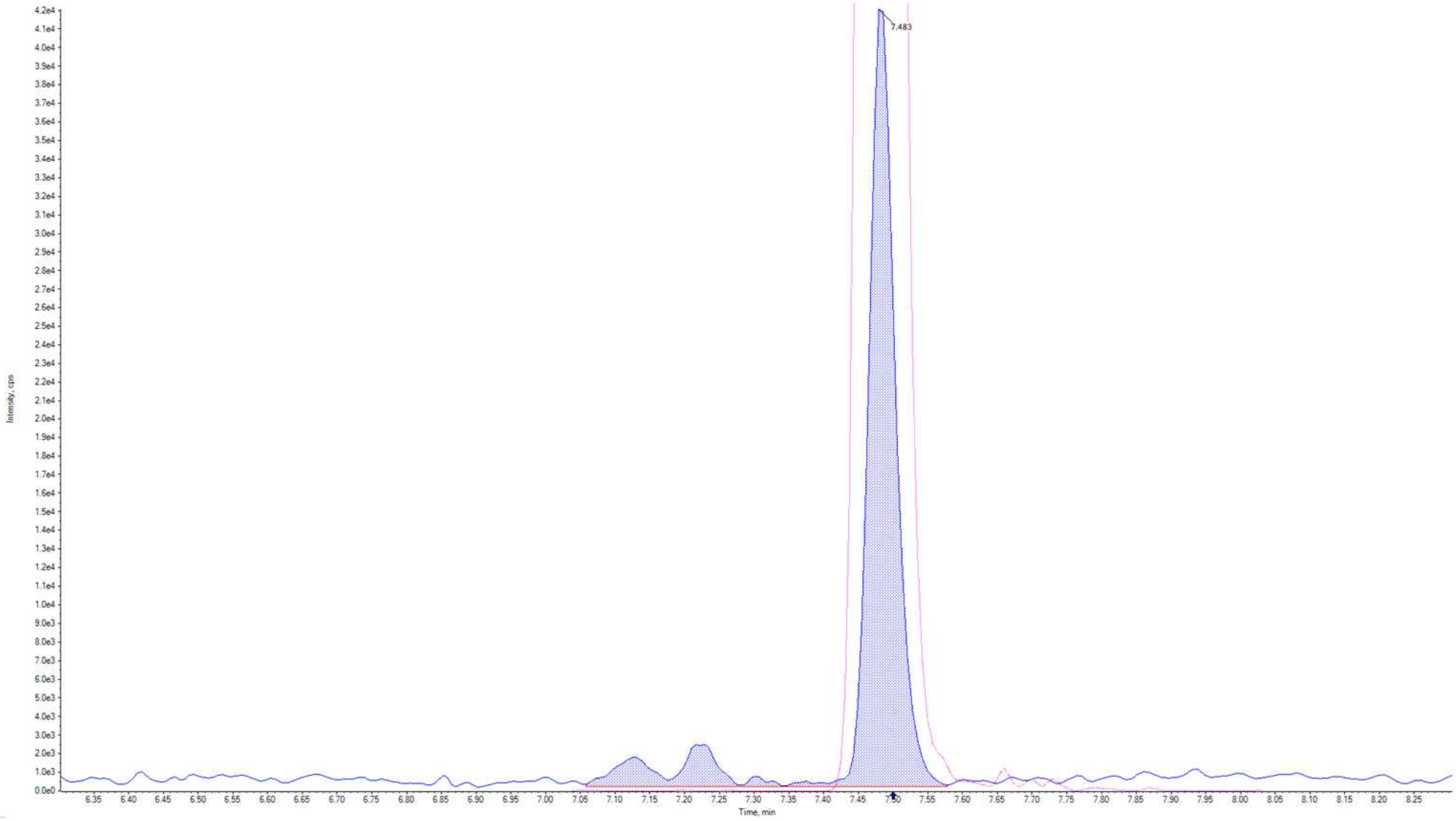
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOA
Sample: L2447890-02 S/N:675.5 Points Across peak:84



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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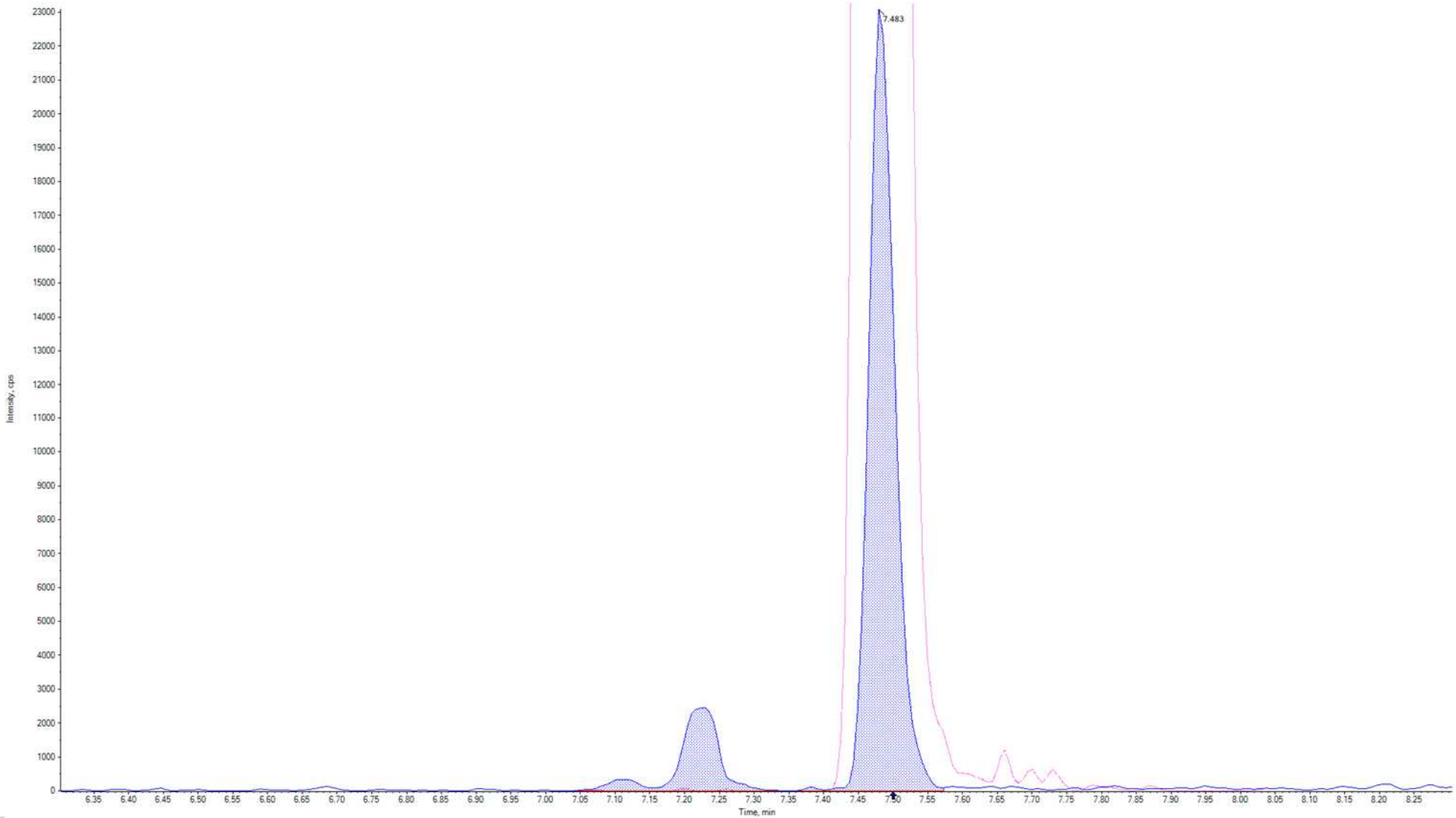
PFOA_2
Sample: L2447890-02 S/N:517354.6 Points Across peak:86



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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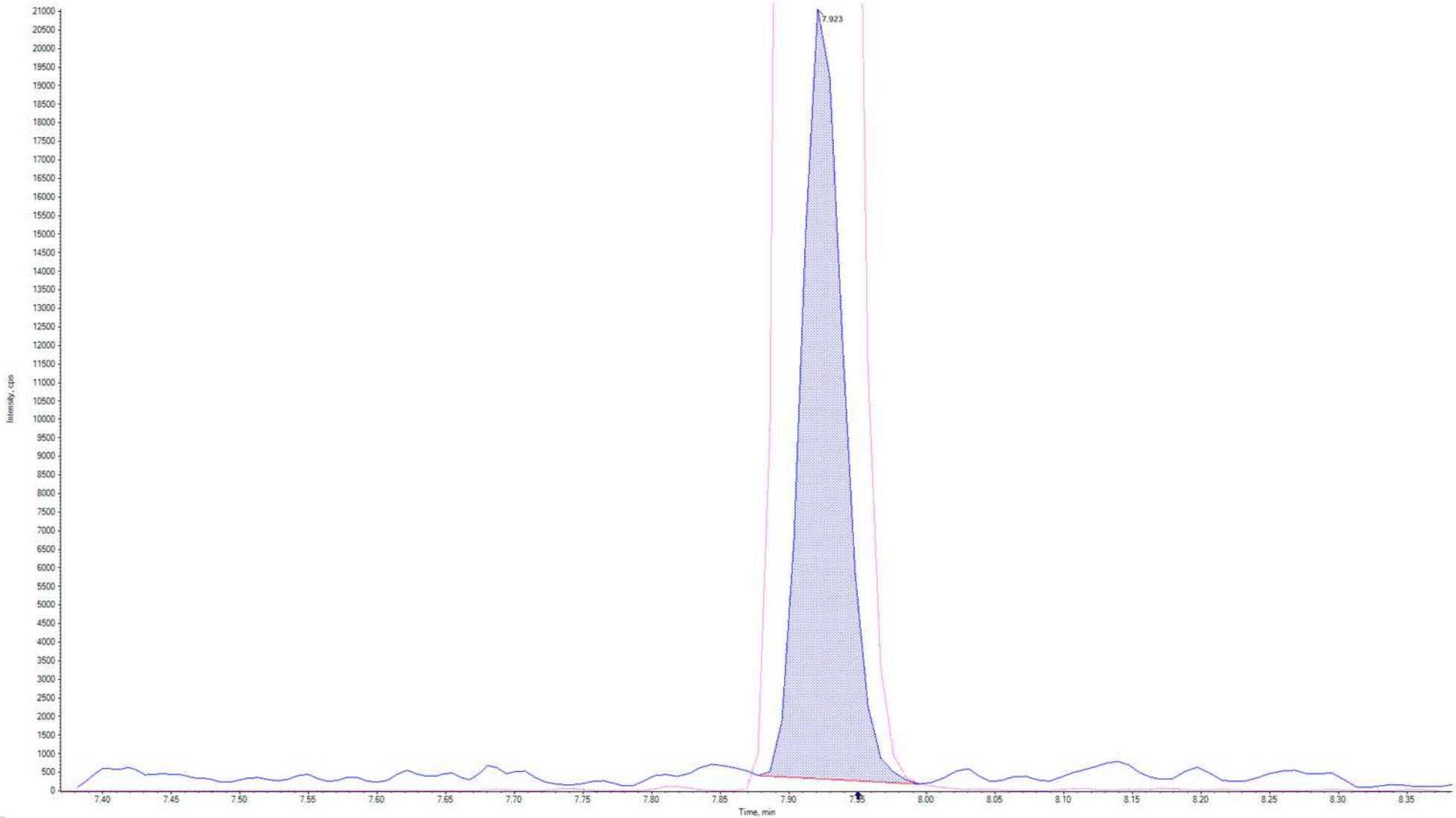
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: L2447890-02 S/N:351.4 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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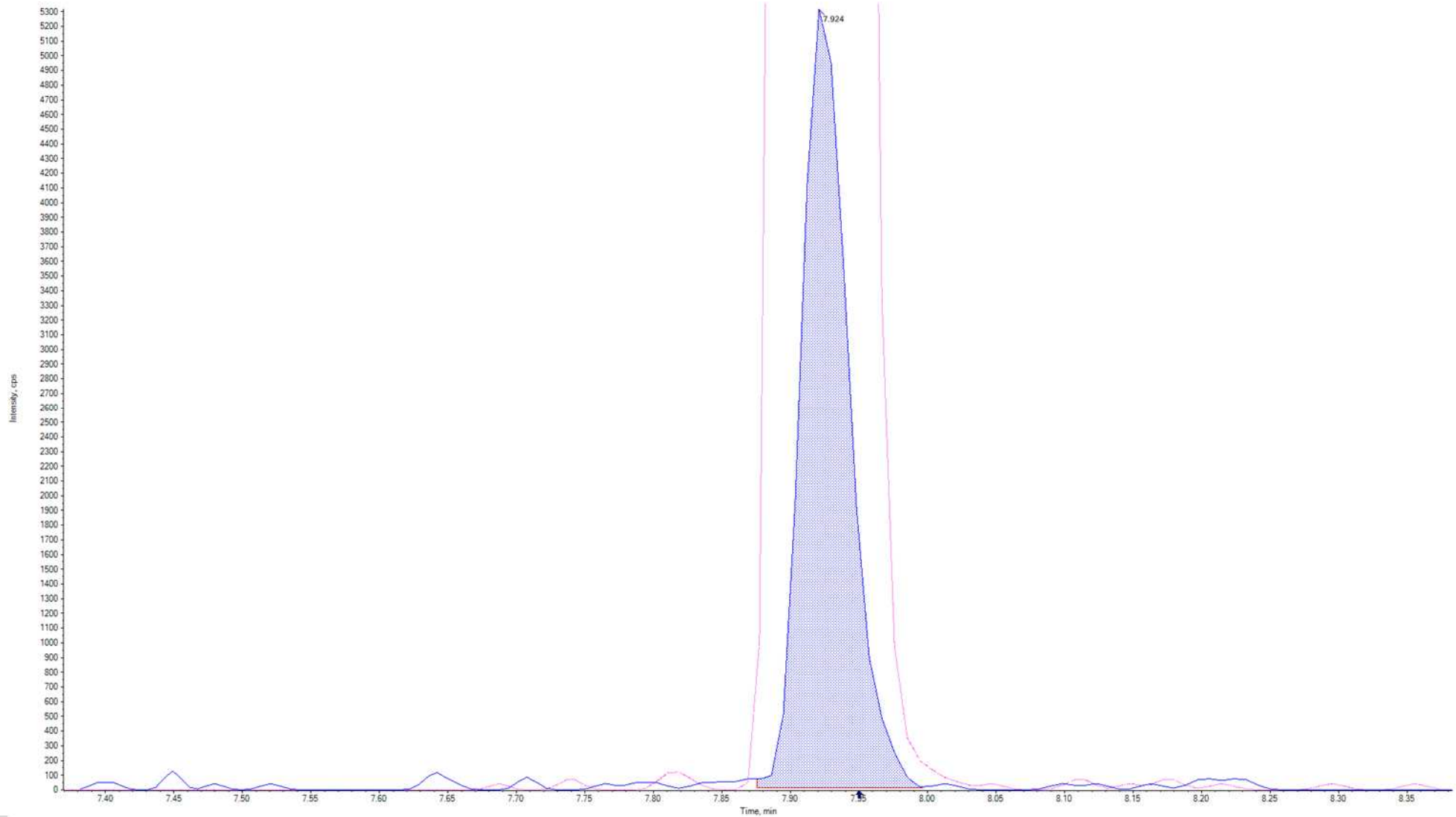
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA_2
Sample: L2447890-02 S/N:293.4 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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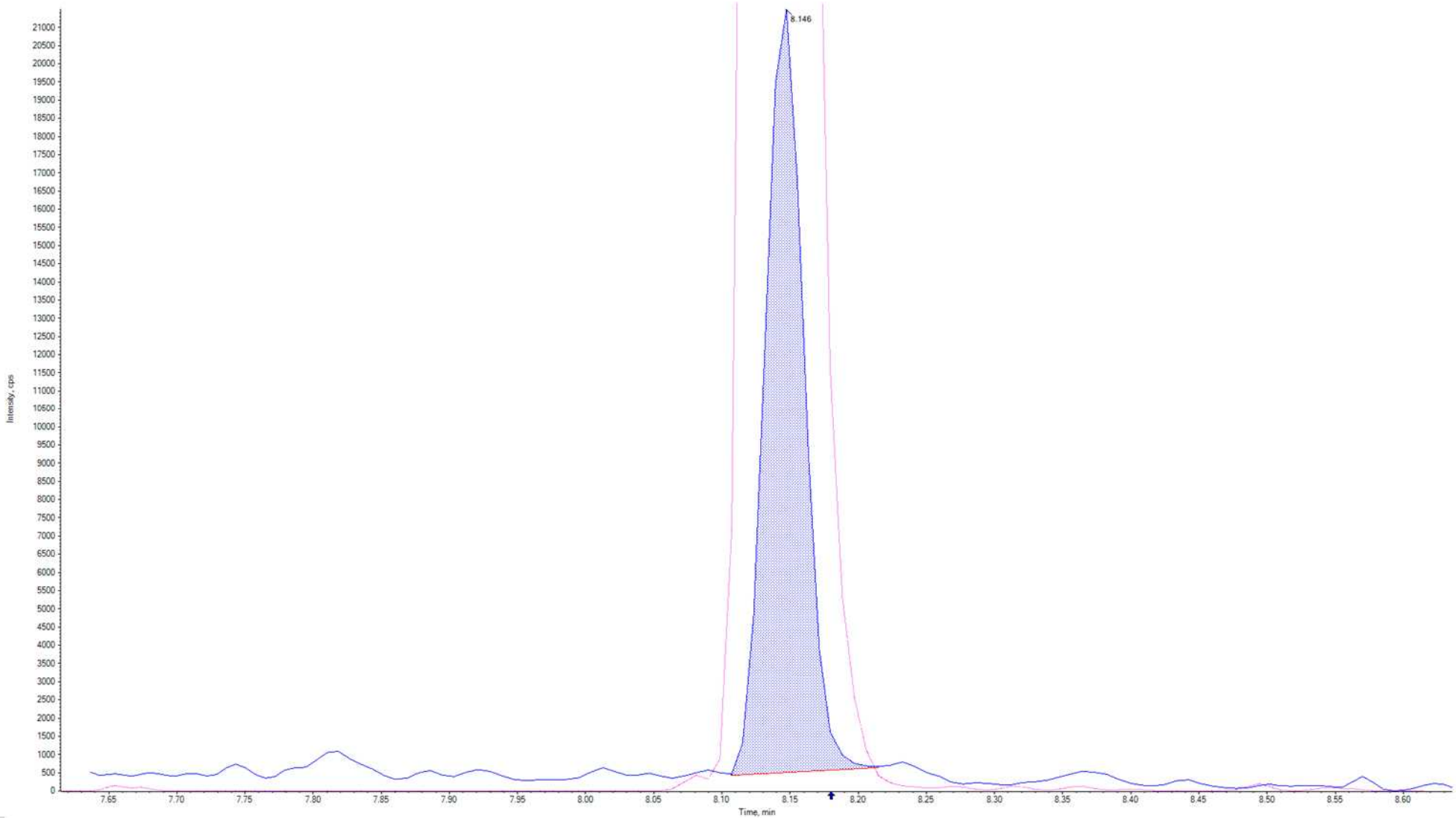
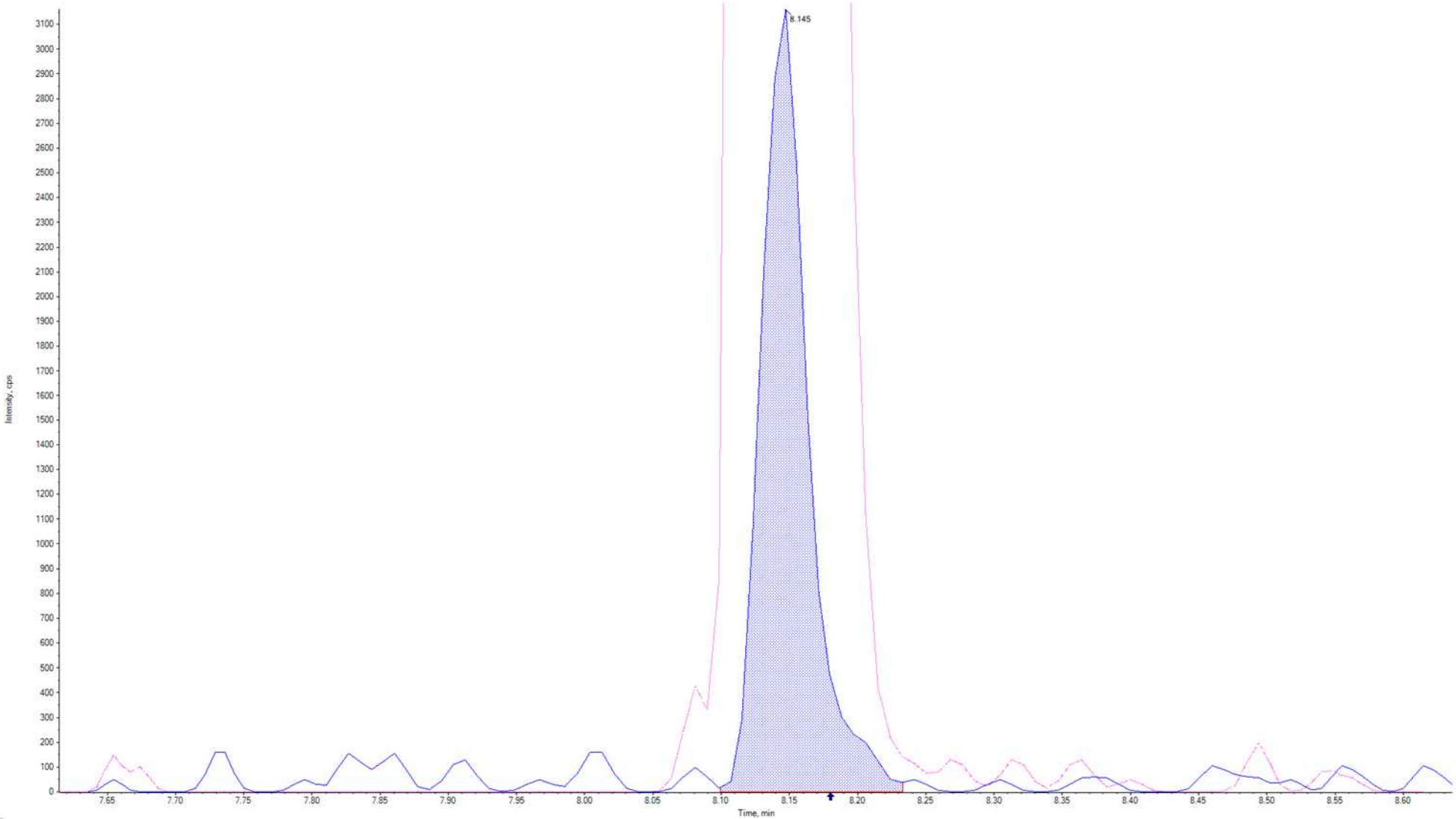
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDA
Sample: L2447890-02 S/N:1123.1 Points Across peak:15



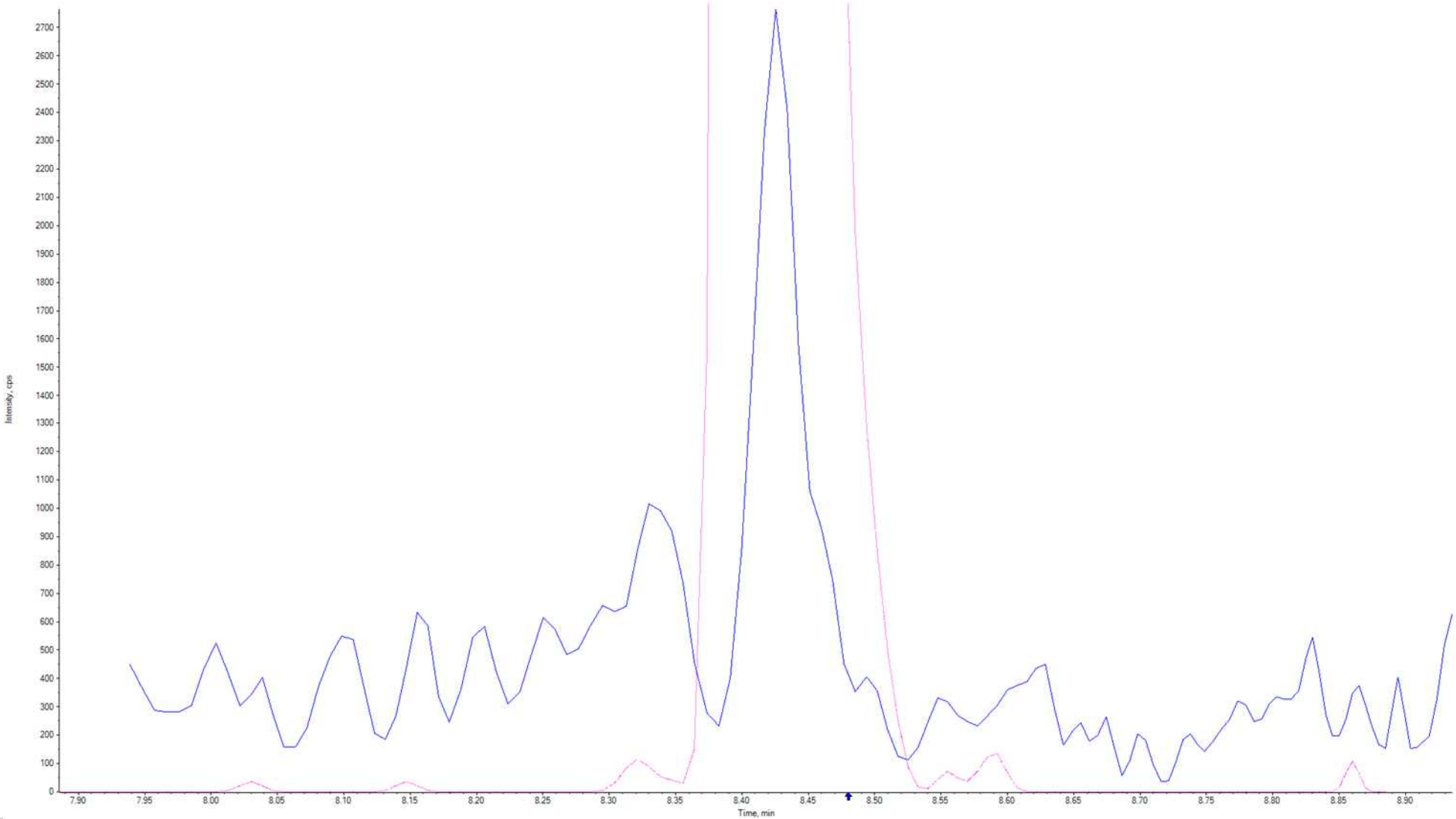
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDA_2
Sample: L2447890-02 S/N:40493.1 Points Across peak:18



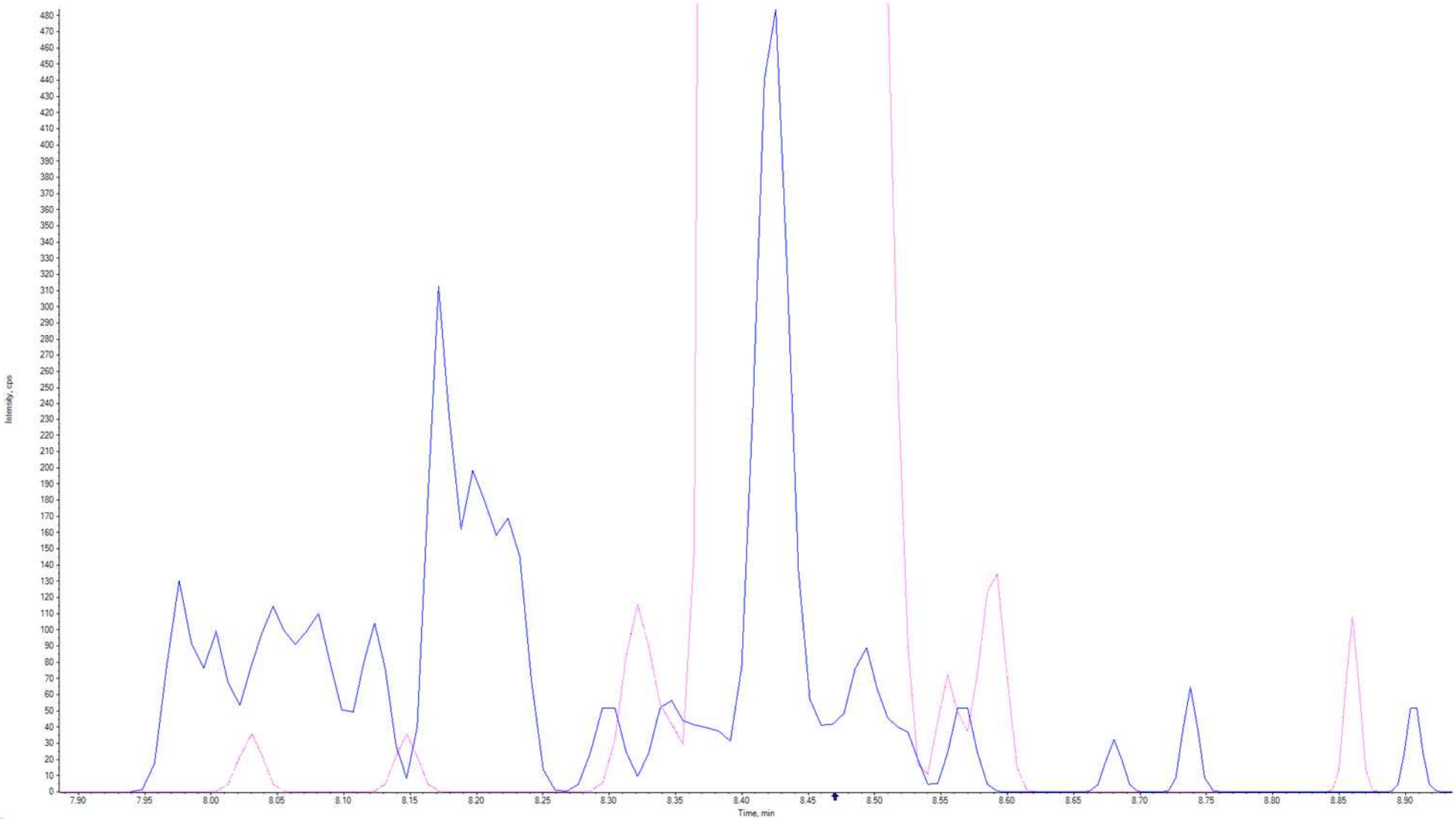
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



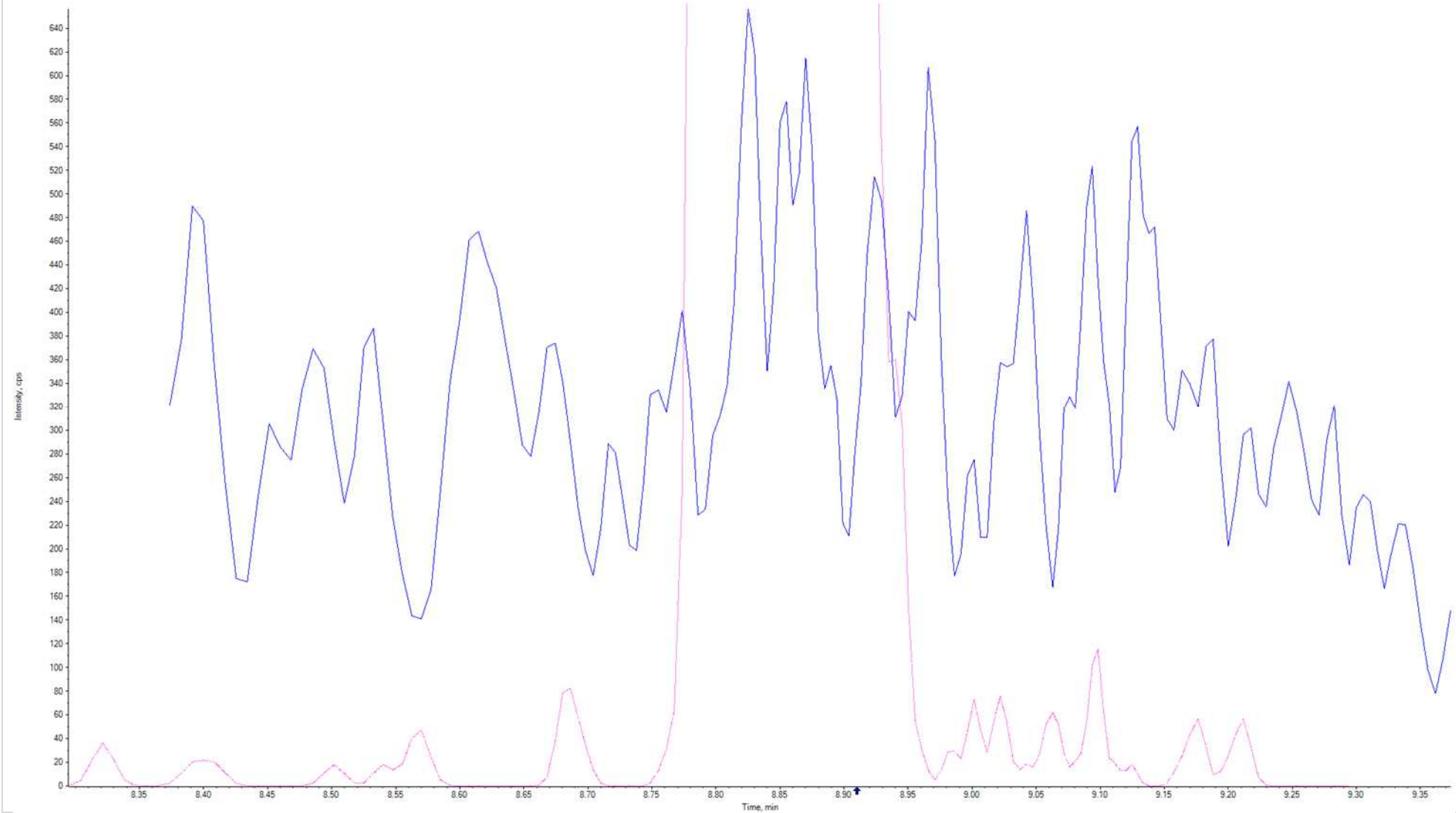
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



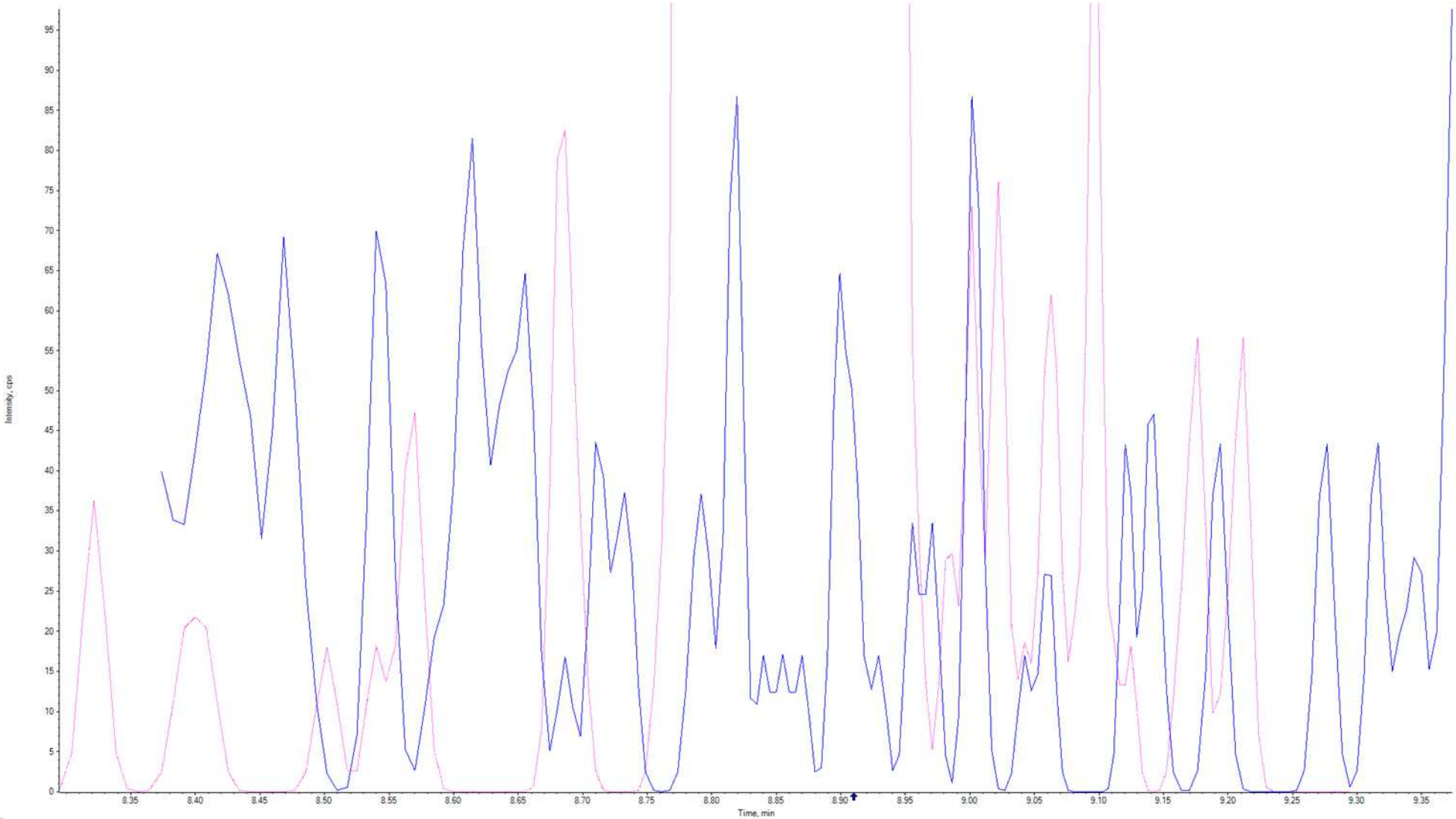
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



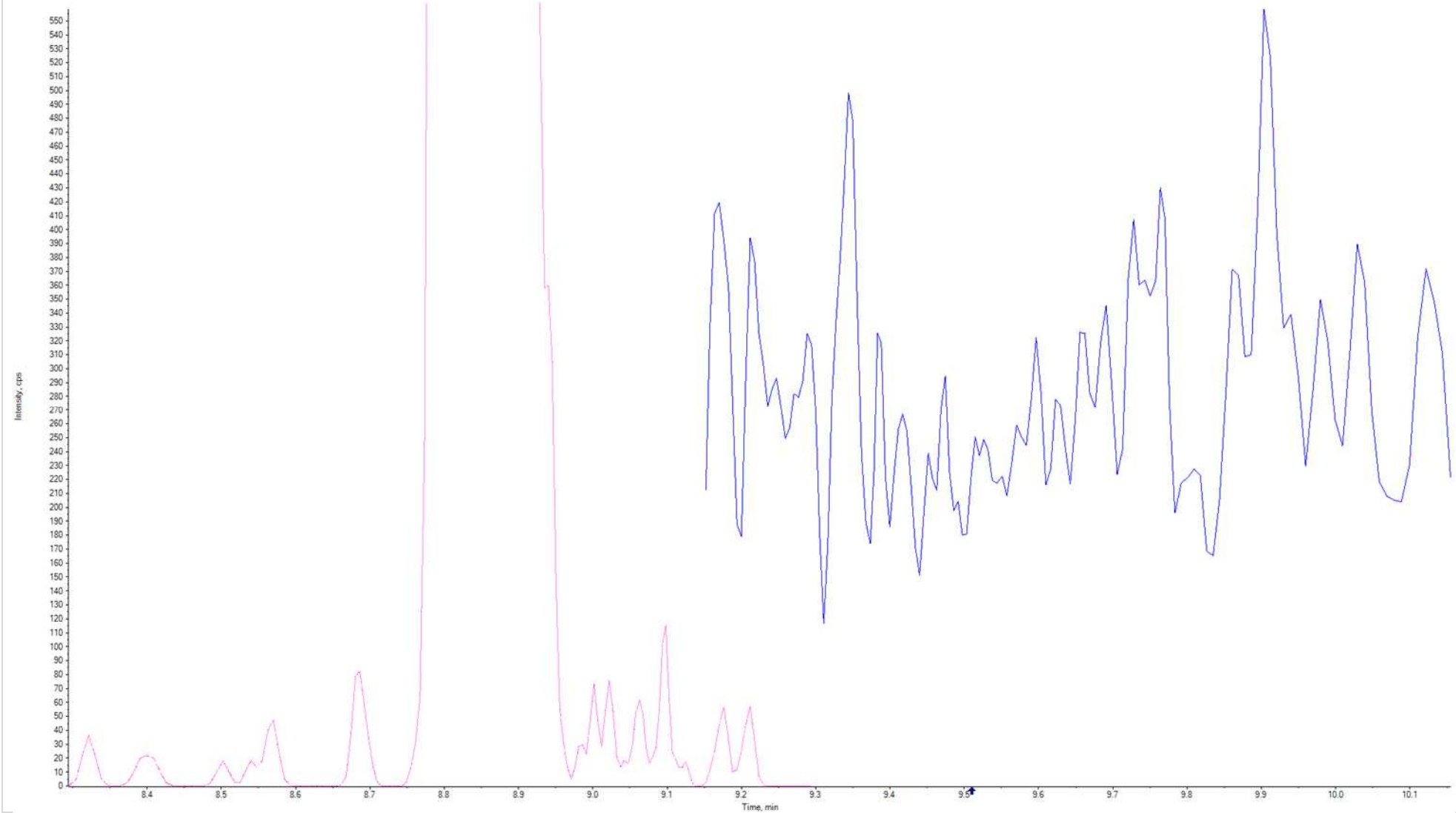
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



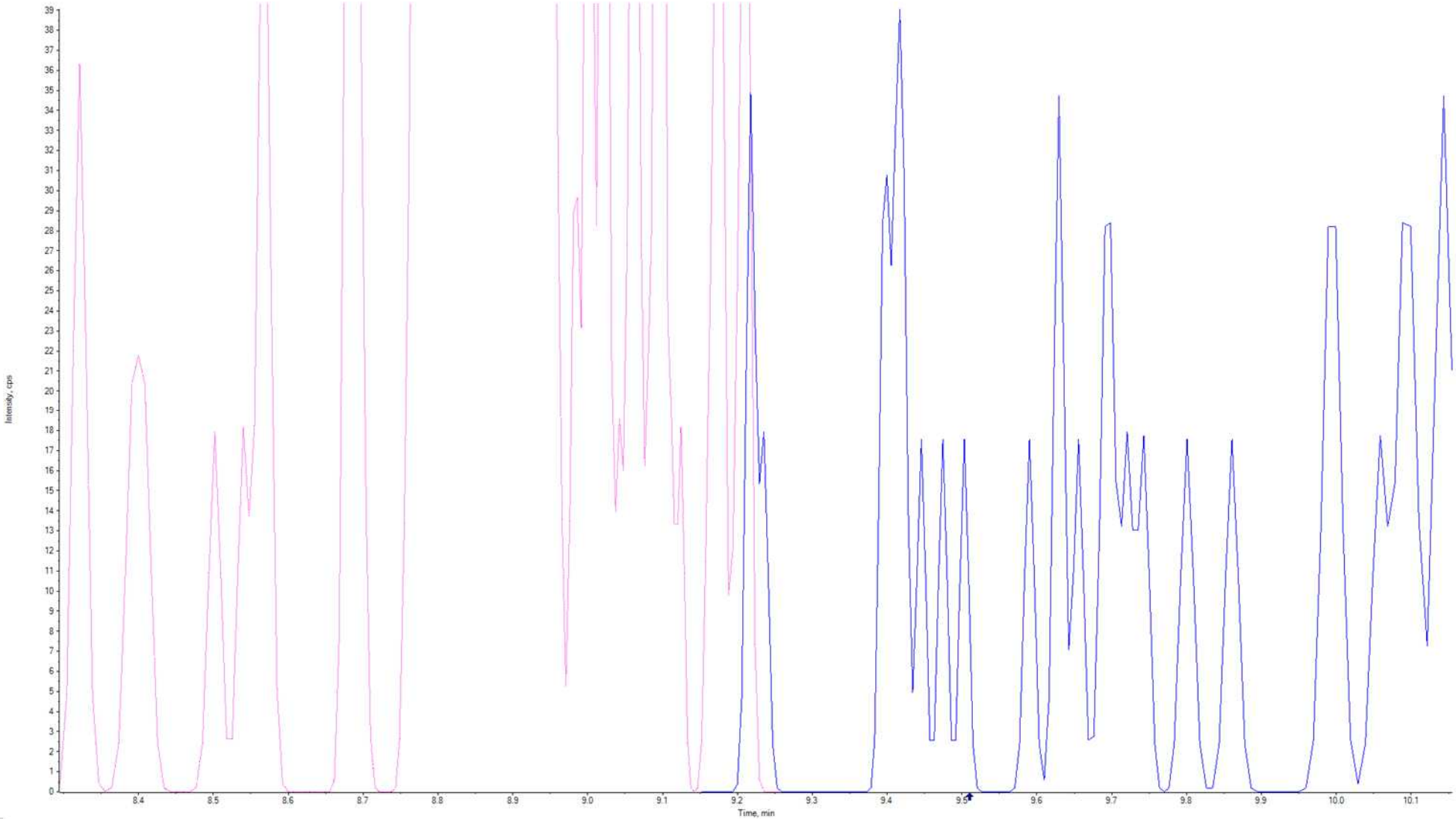
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



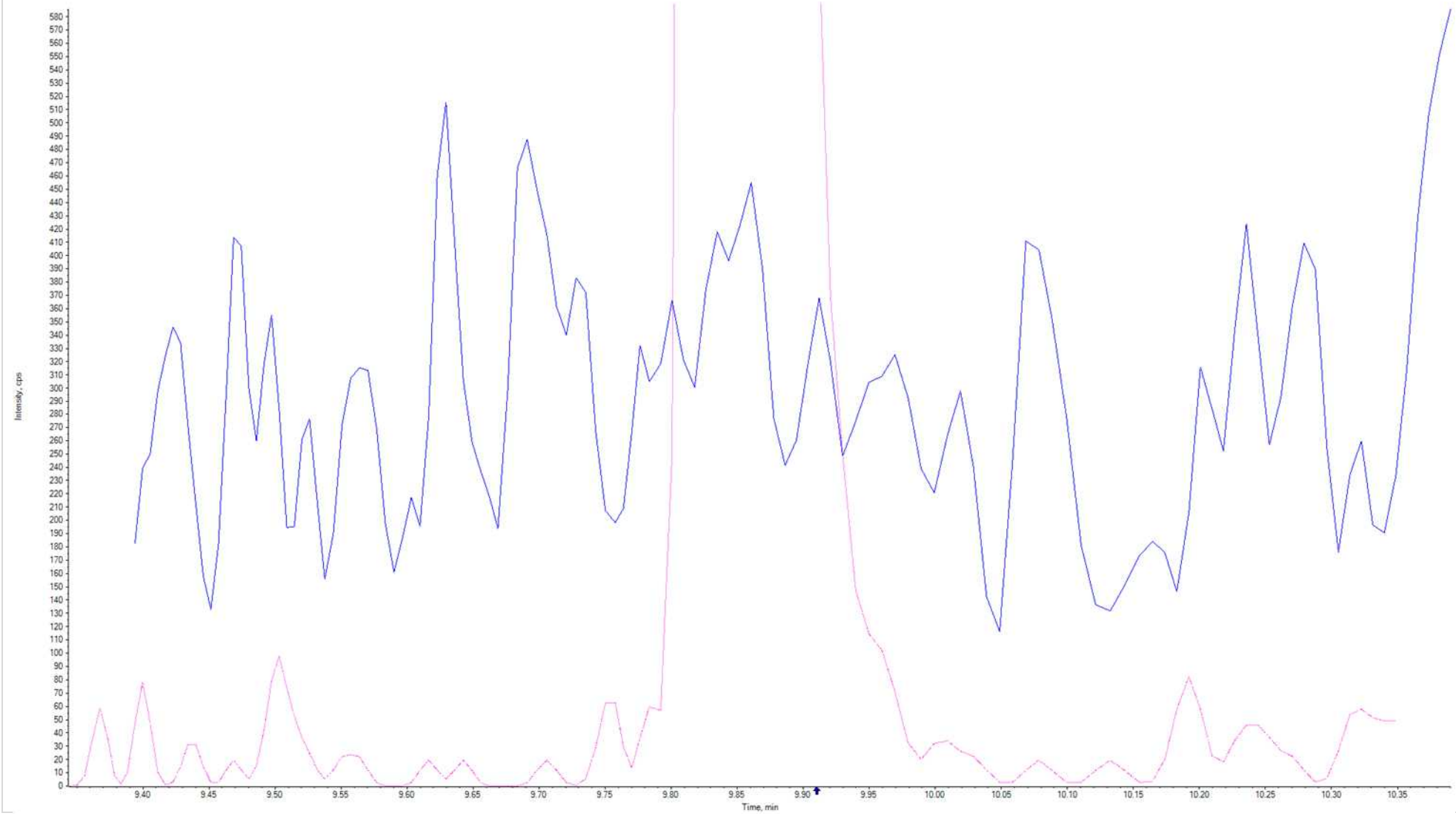
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A

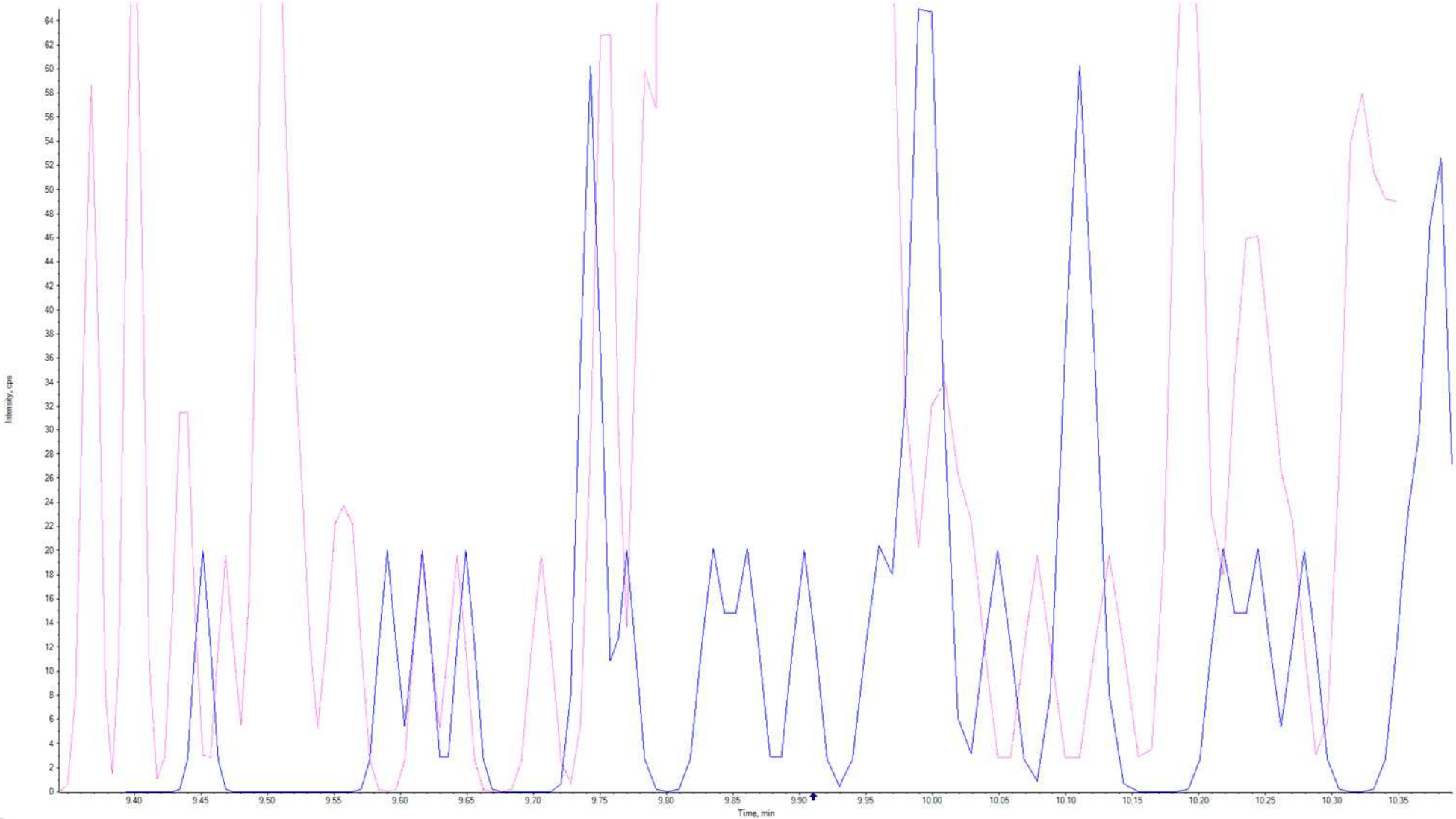


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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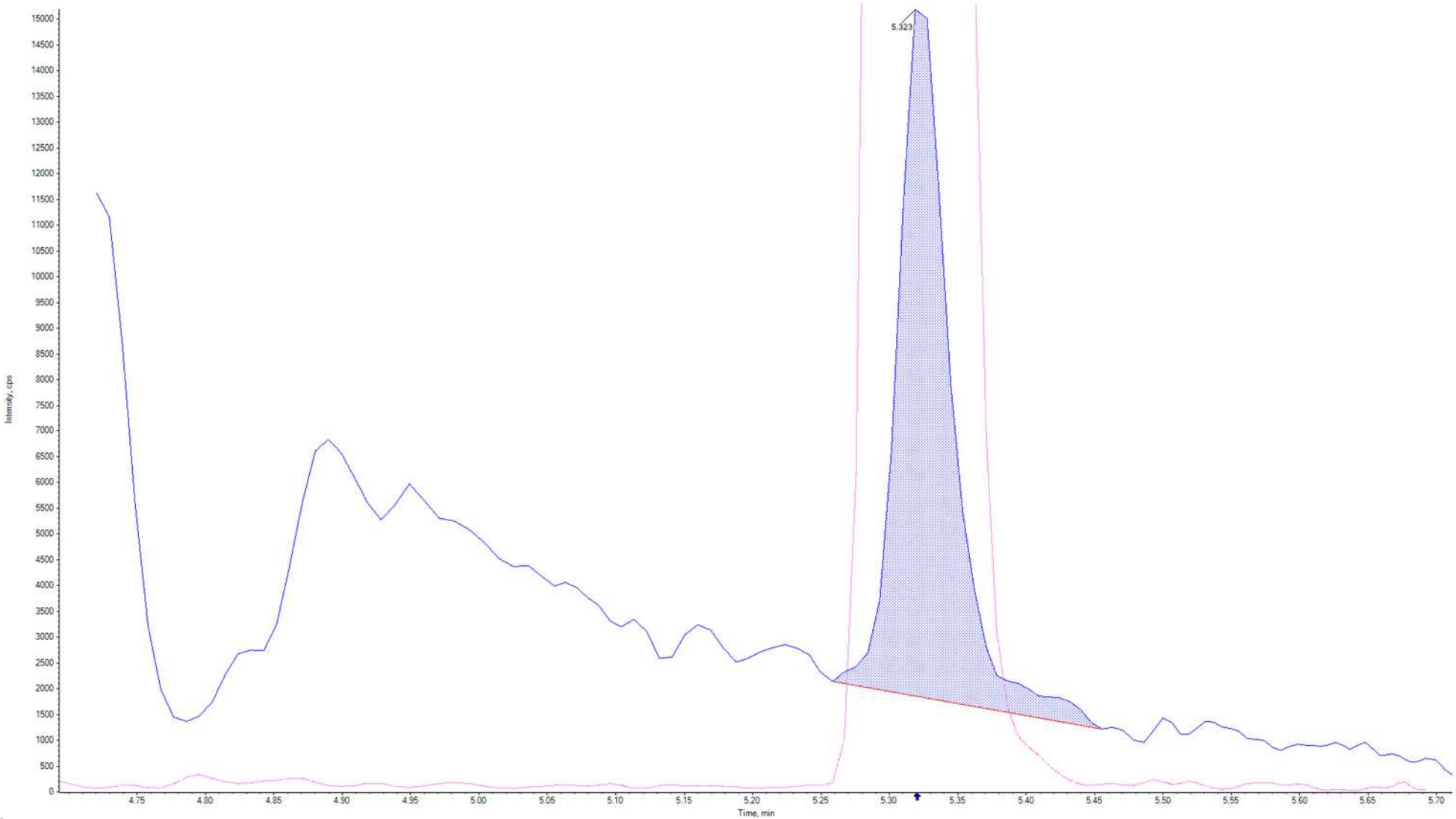
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBS
Sample: L2447890-02 S/N:27.6 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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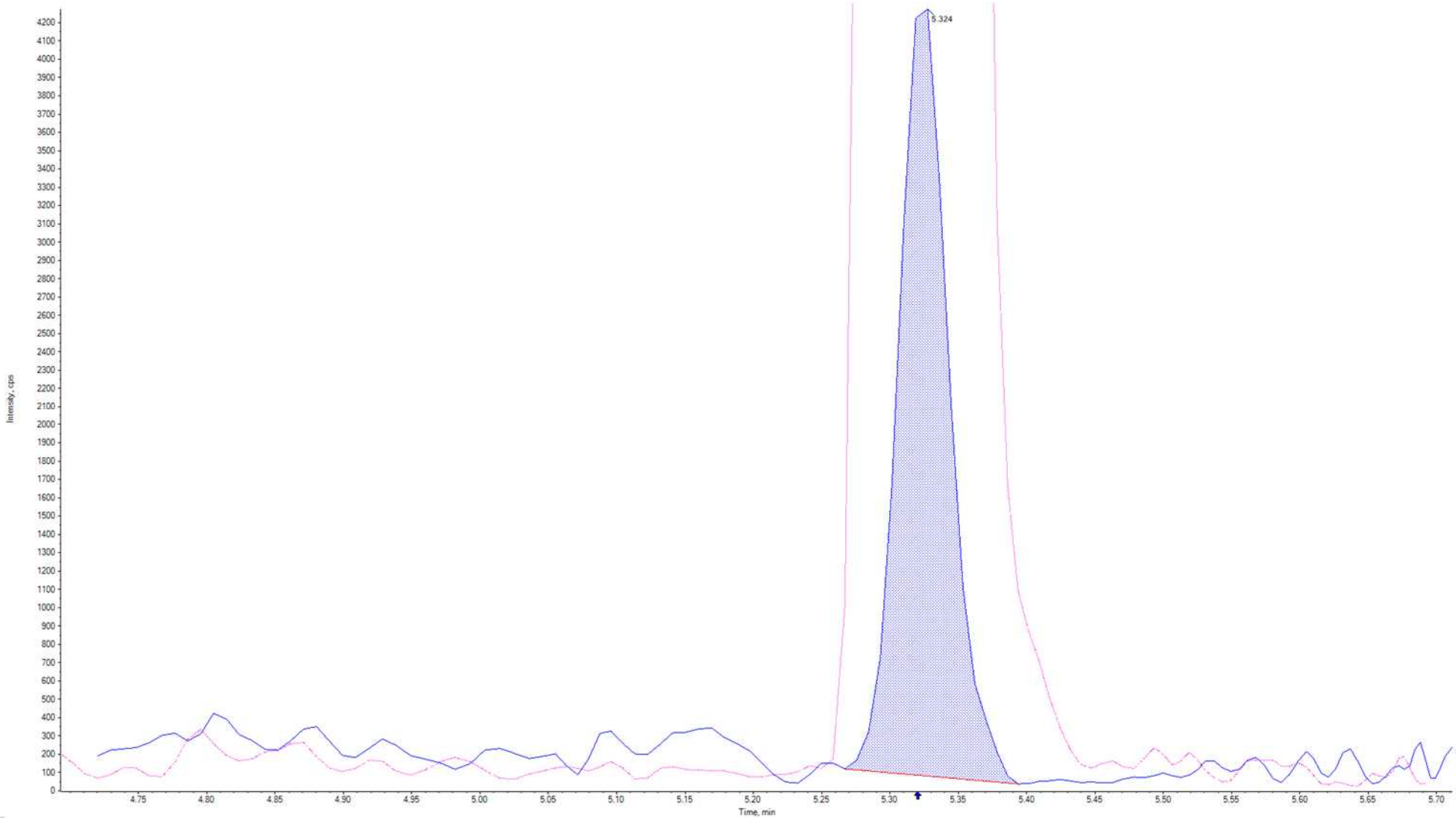
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBS_2
Sample: L2447890-02 S/N:194.9 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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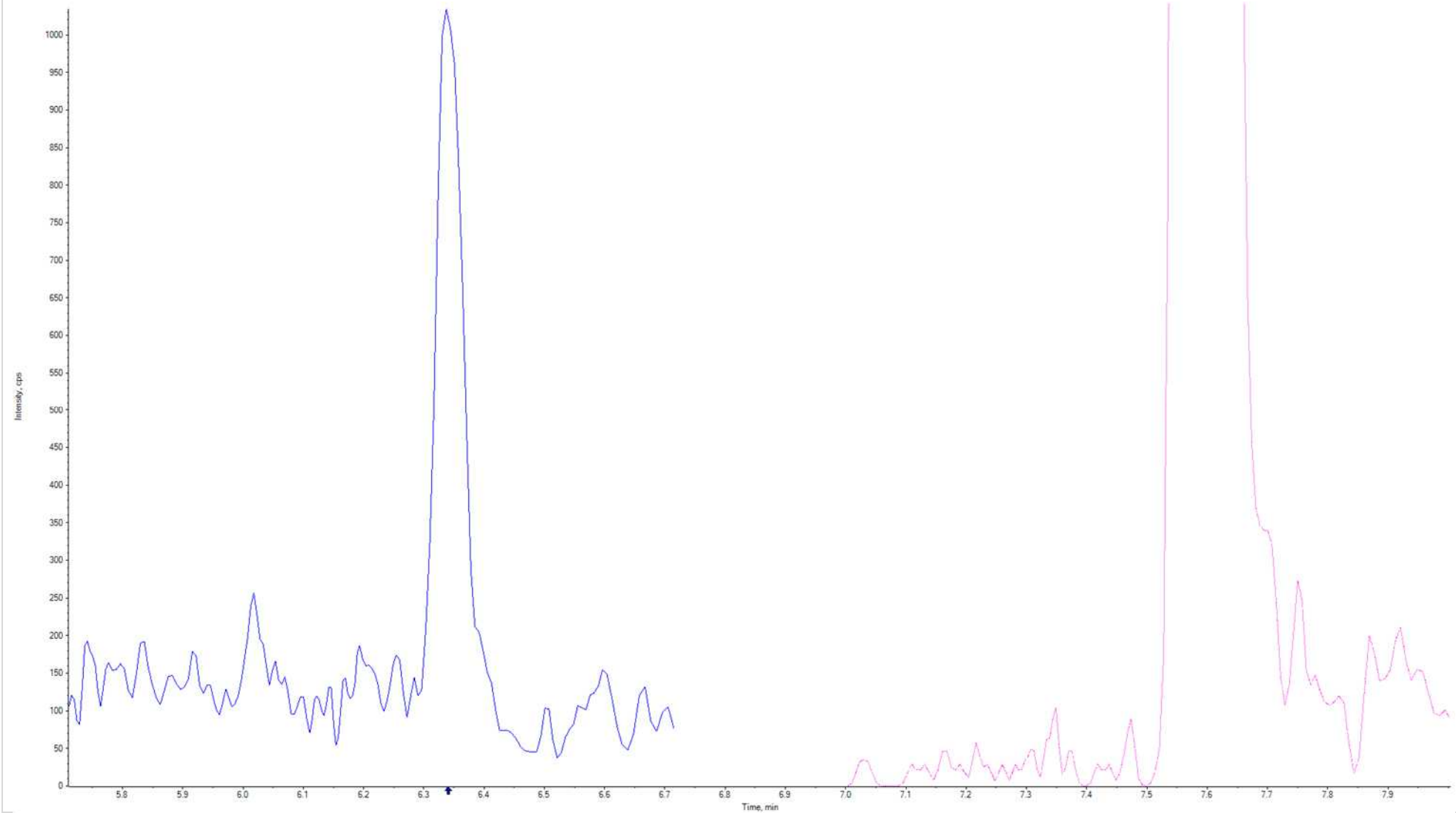
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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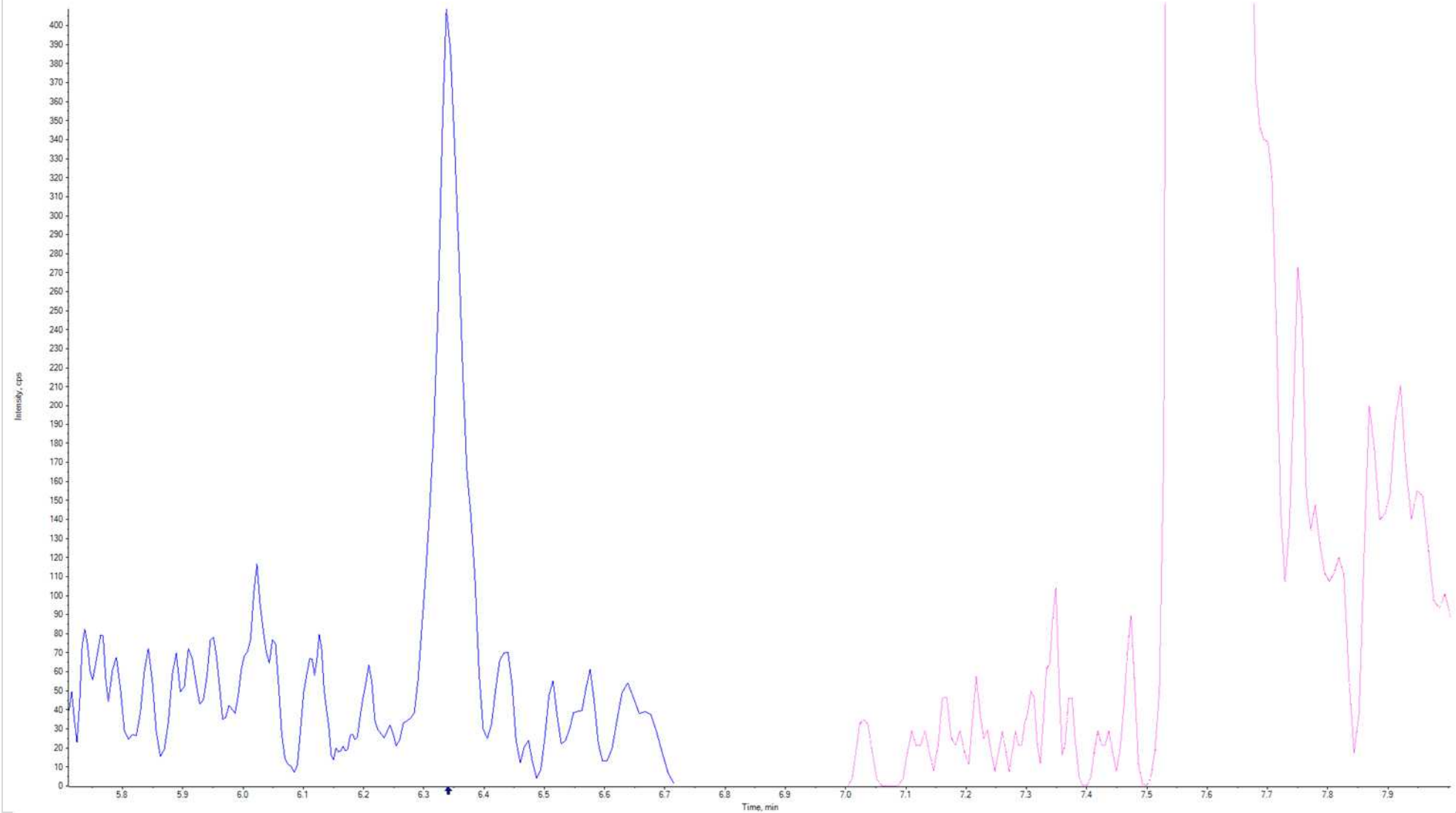
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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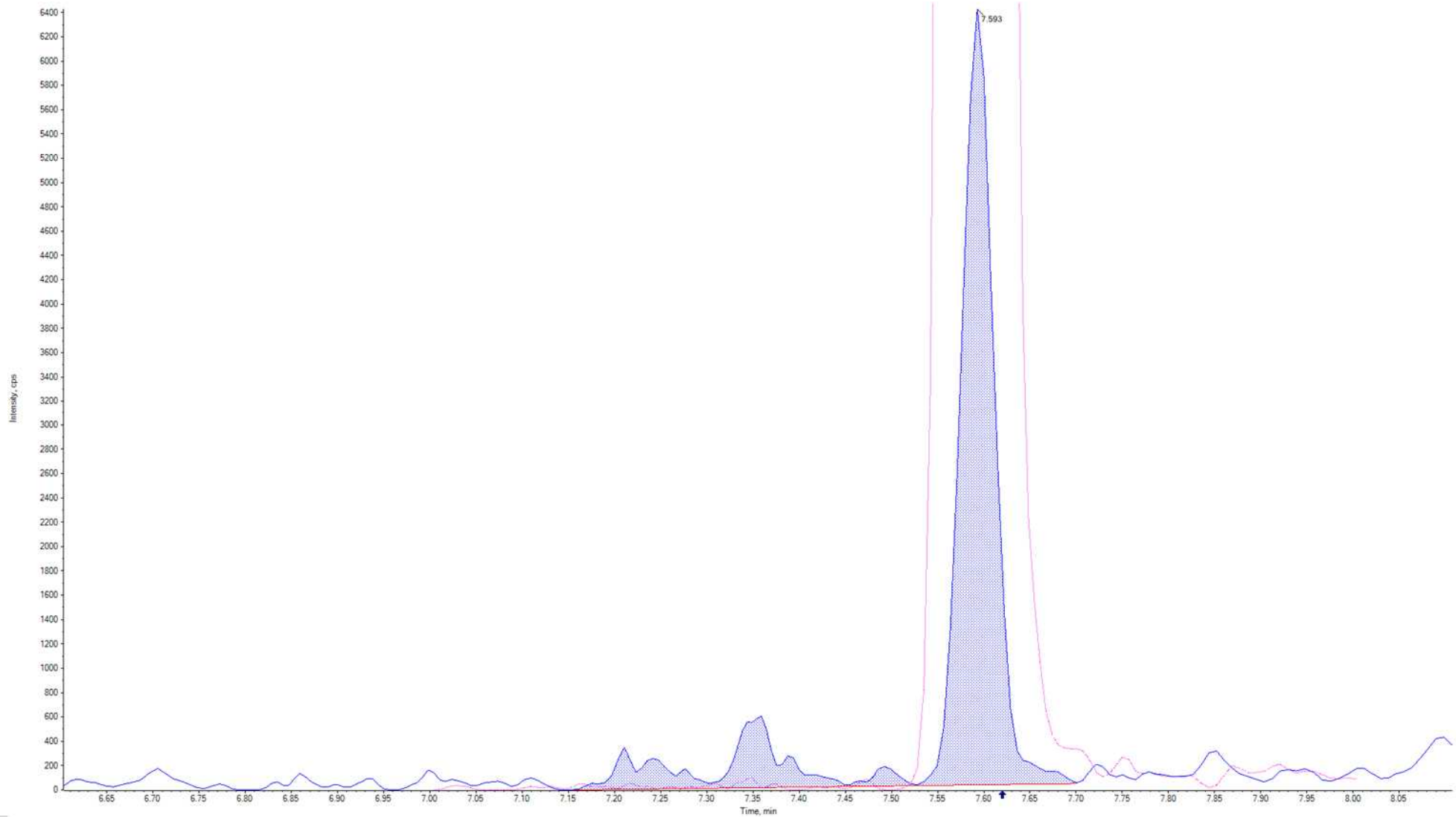
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: L2447890-02 S/N:3978.1 Points Across peak:88



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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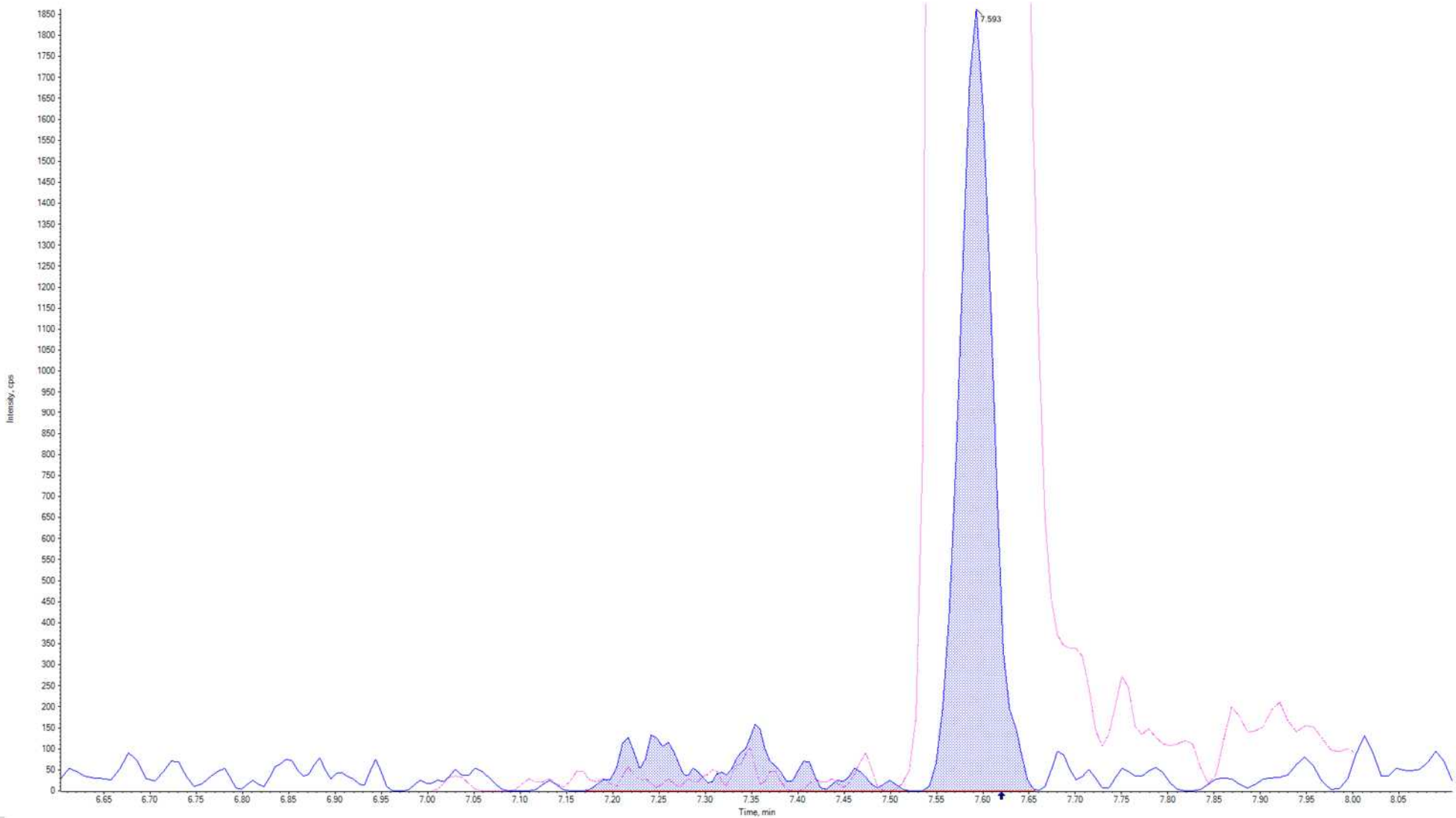
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: L2447890-02 S/N:5783.2 Points Across peak:80



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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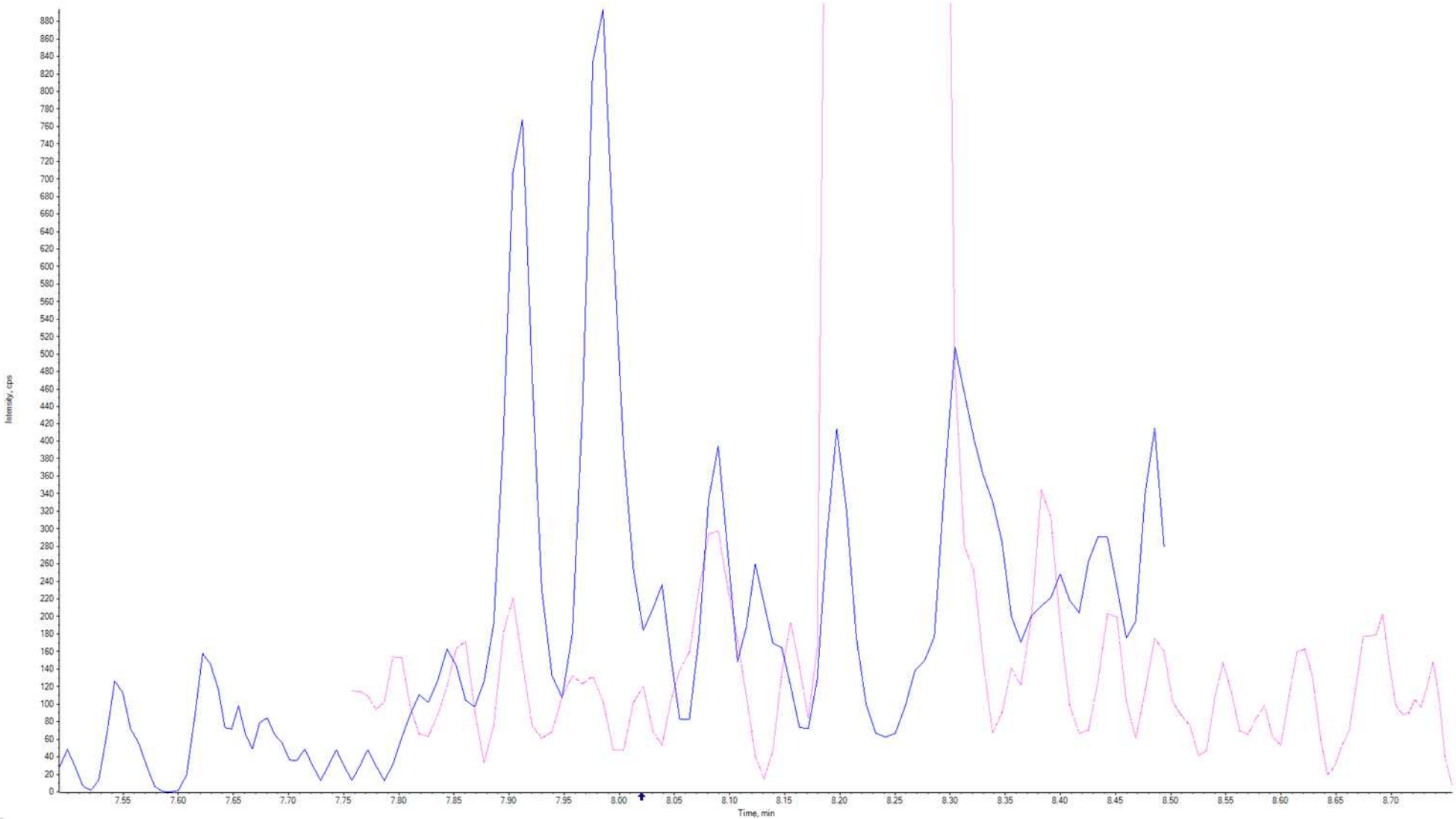
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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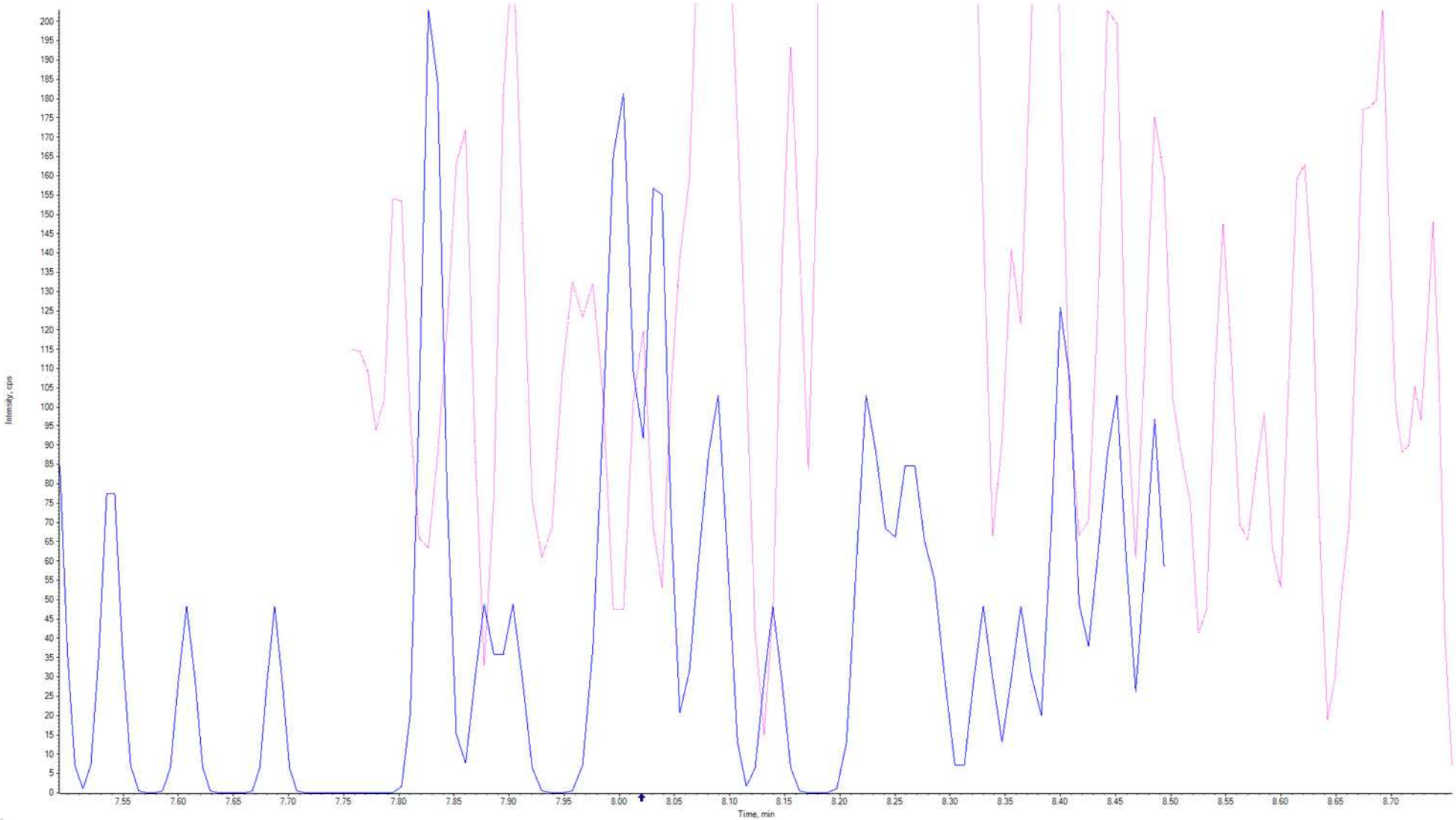
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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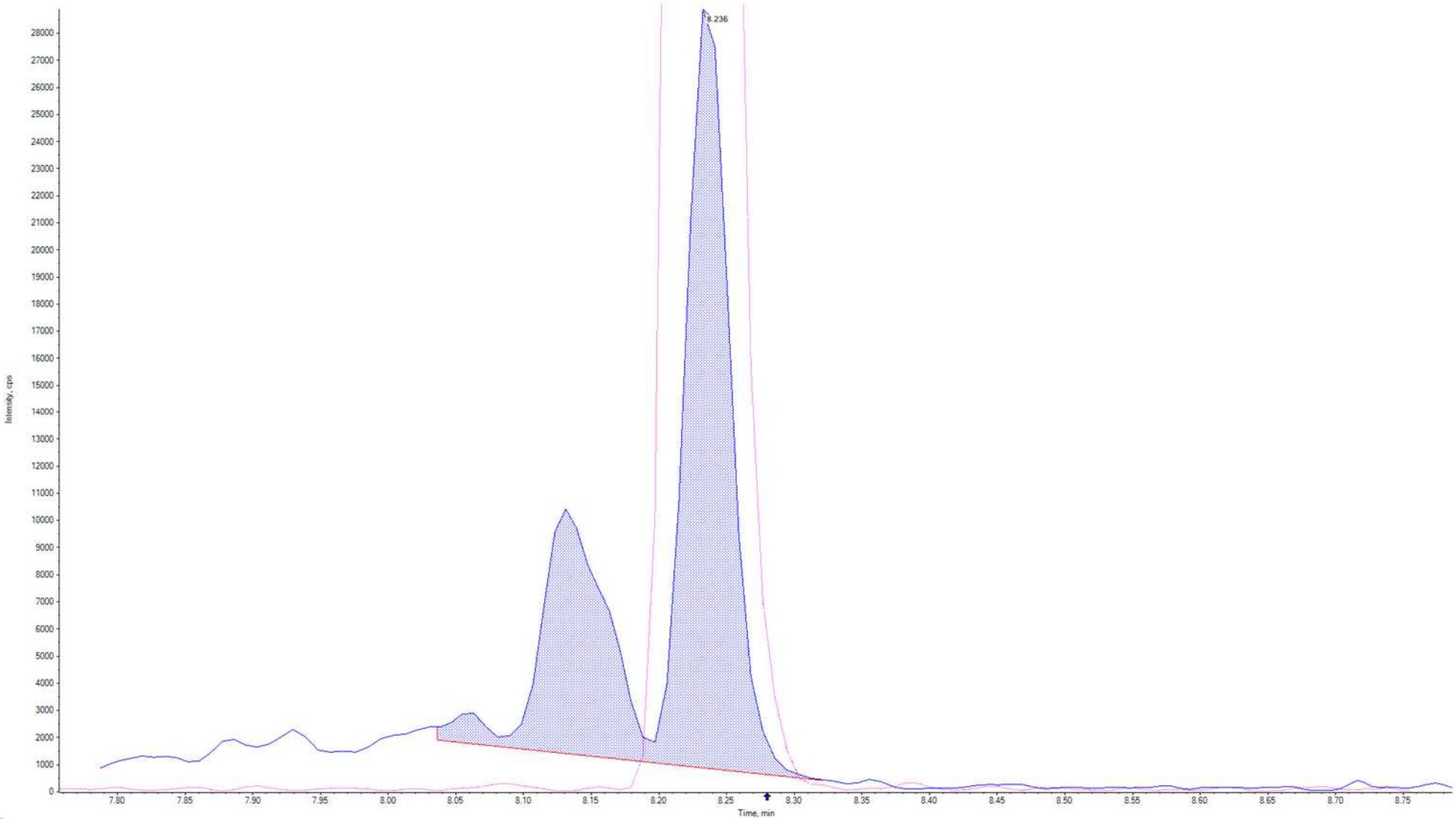
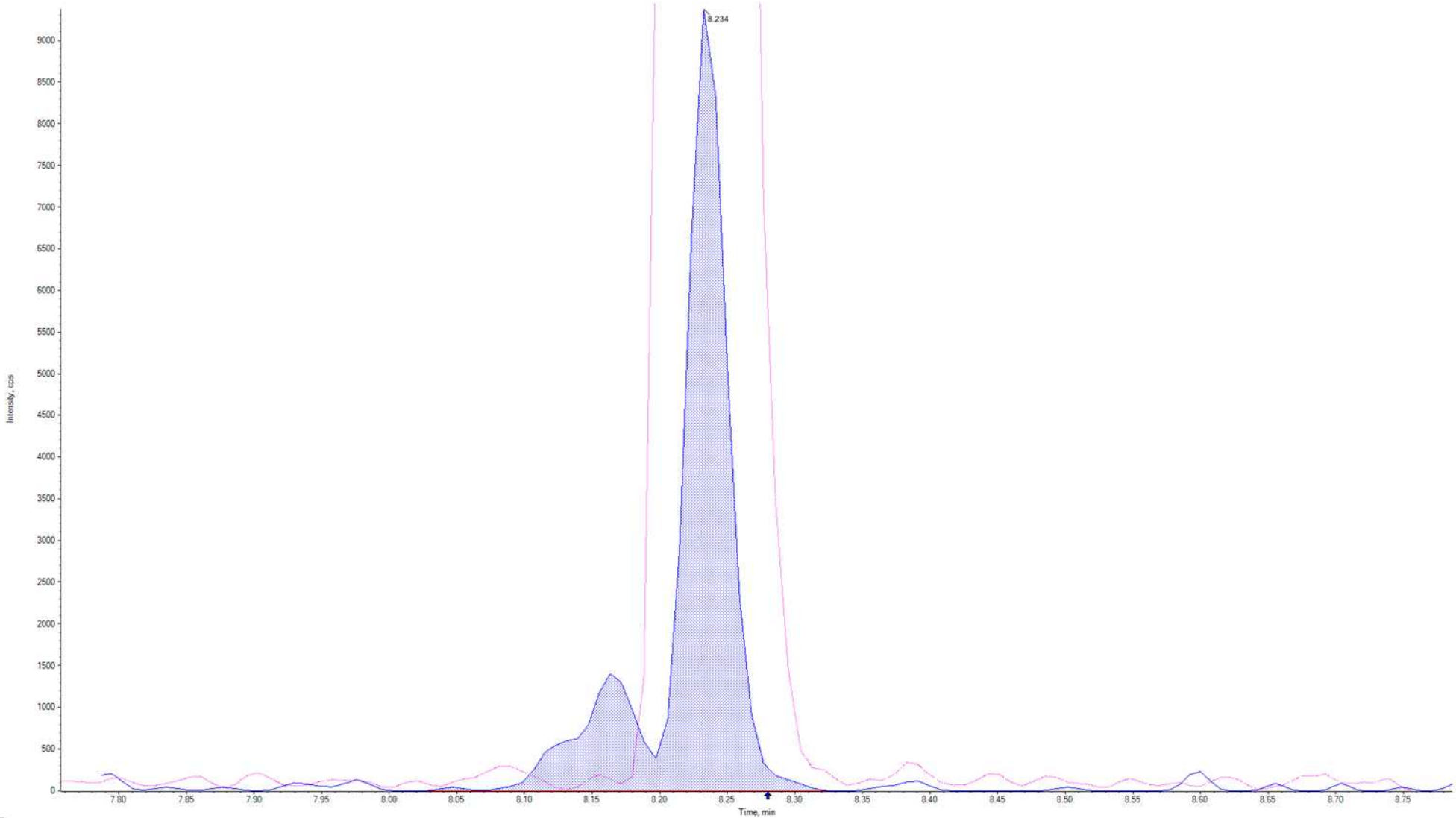
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: L2447890-02 S/N:487.0 Points Across peak:35



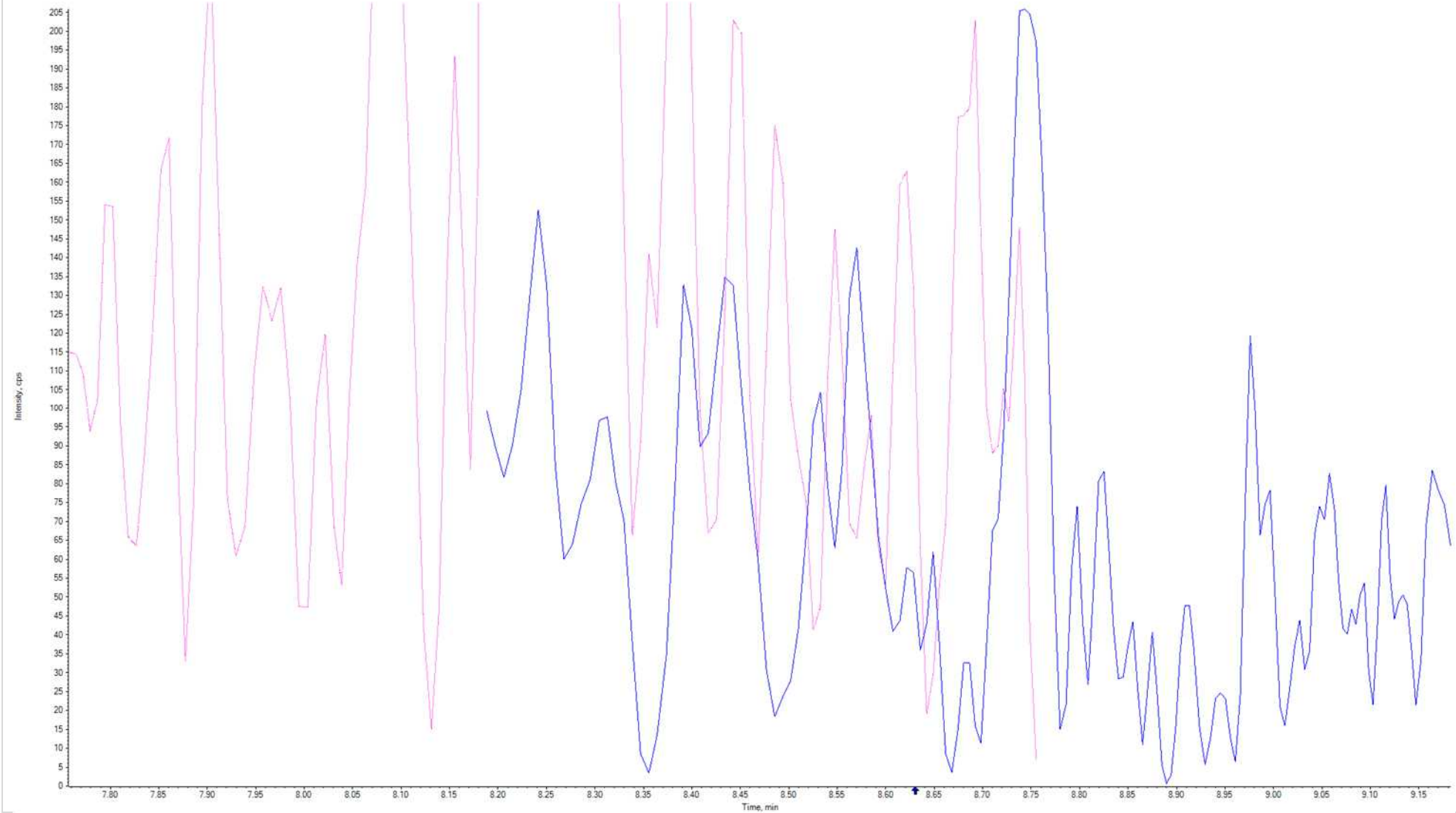
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: L2447890-02 S/N:1609619.0 Points Across peak:39



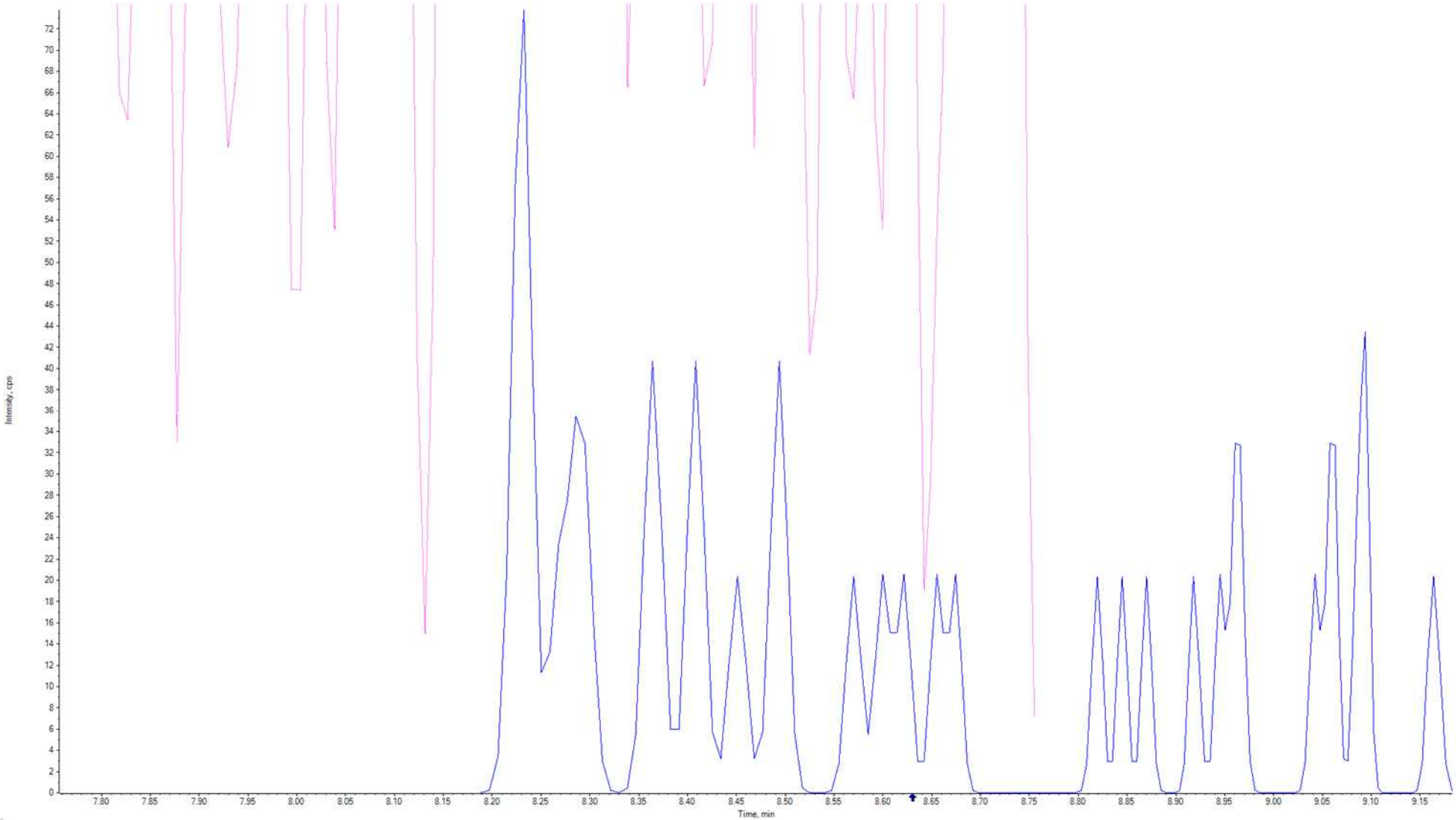
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



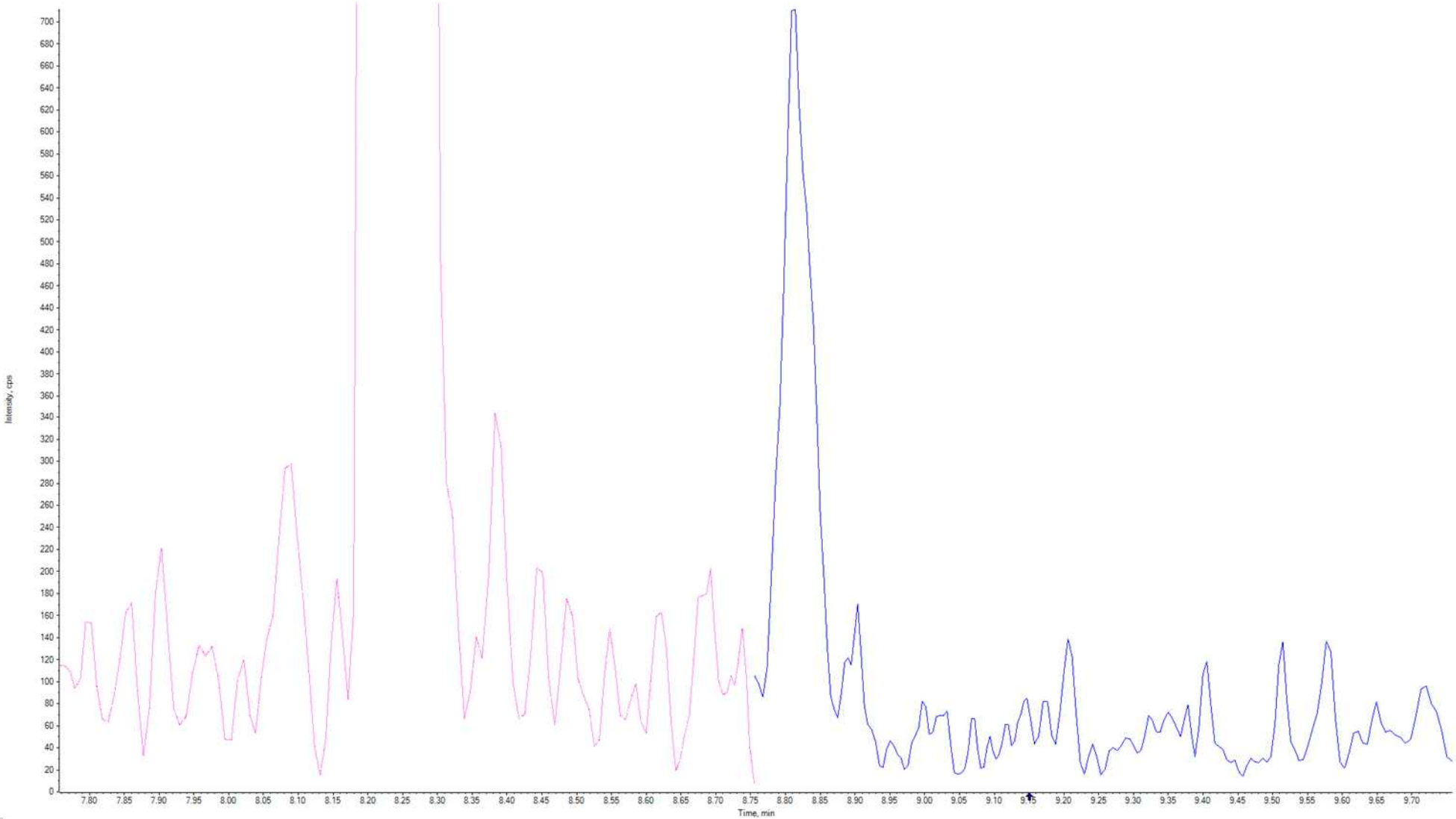
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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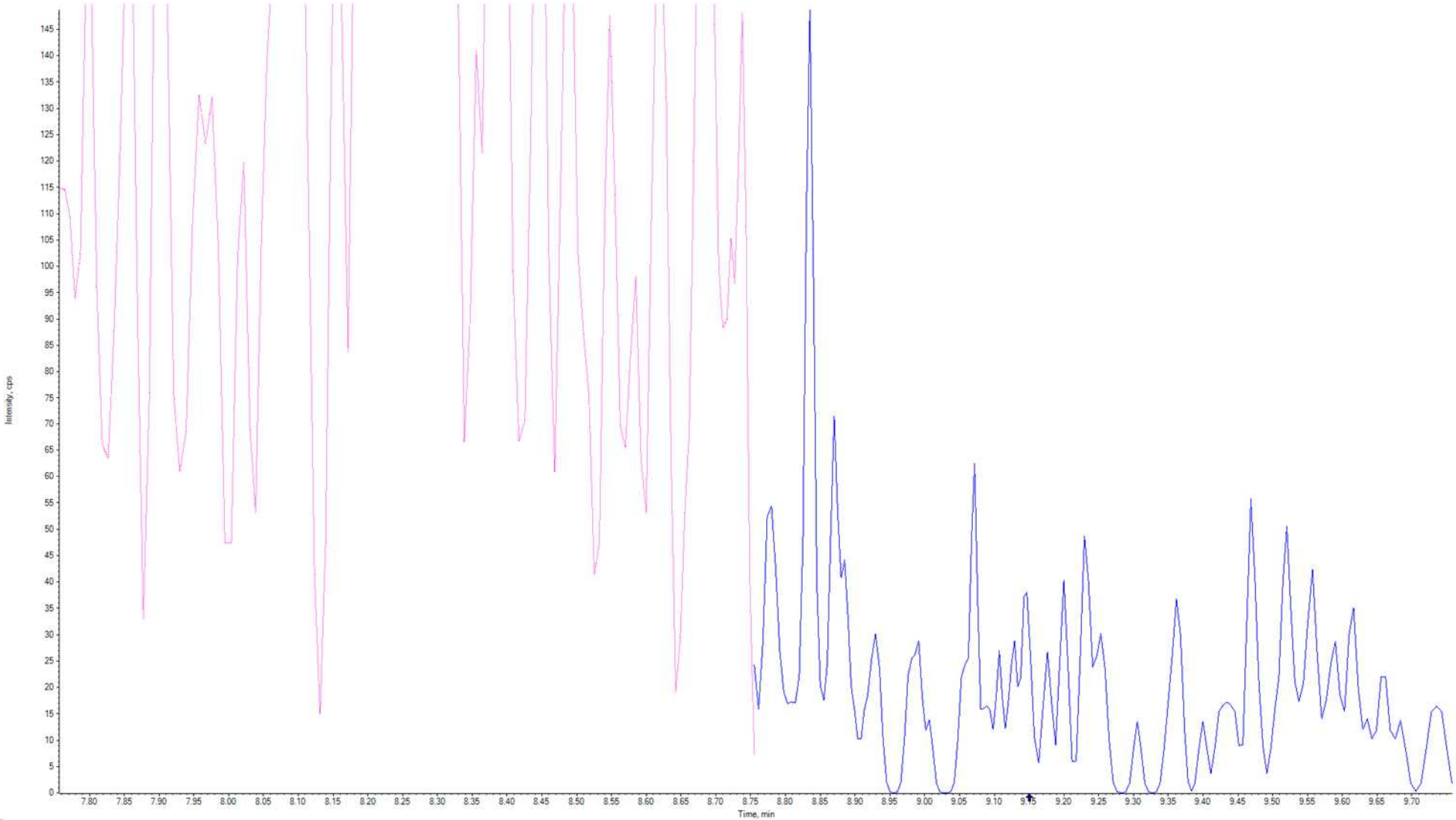
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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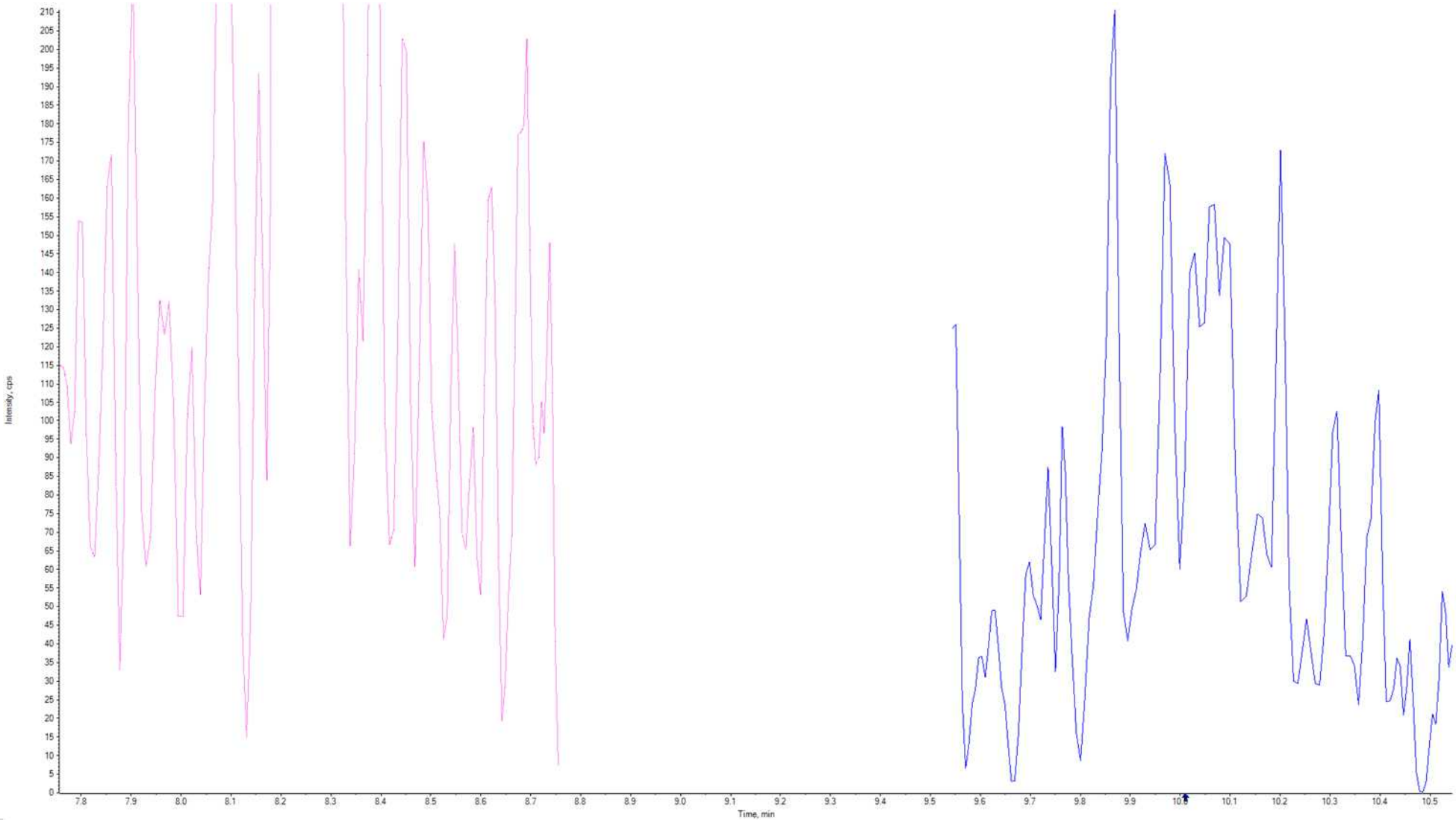
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
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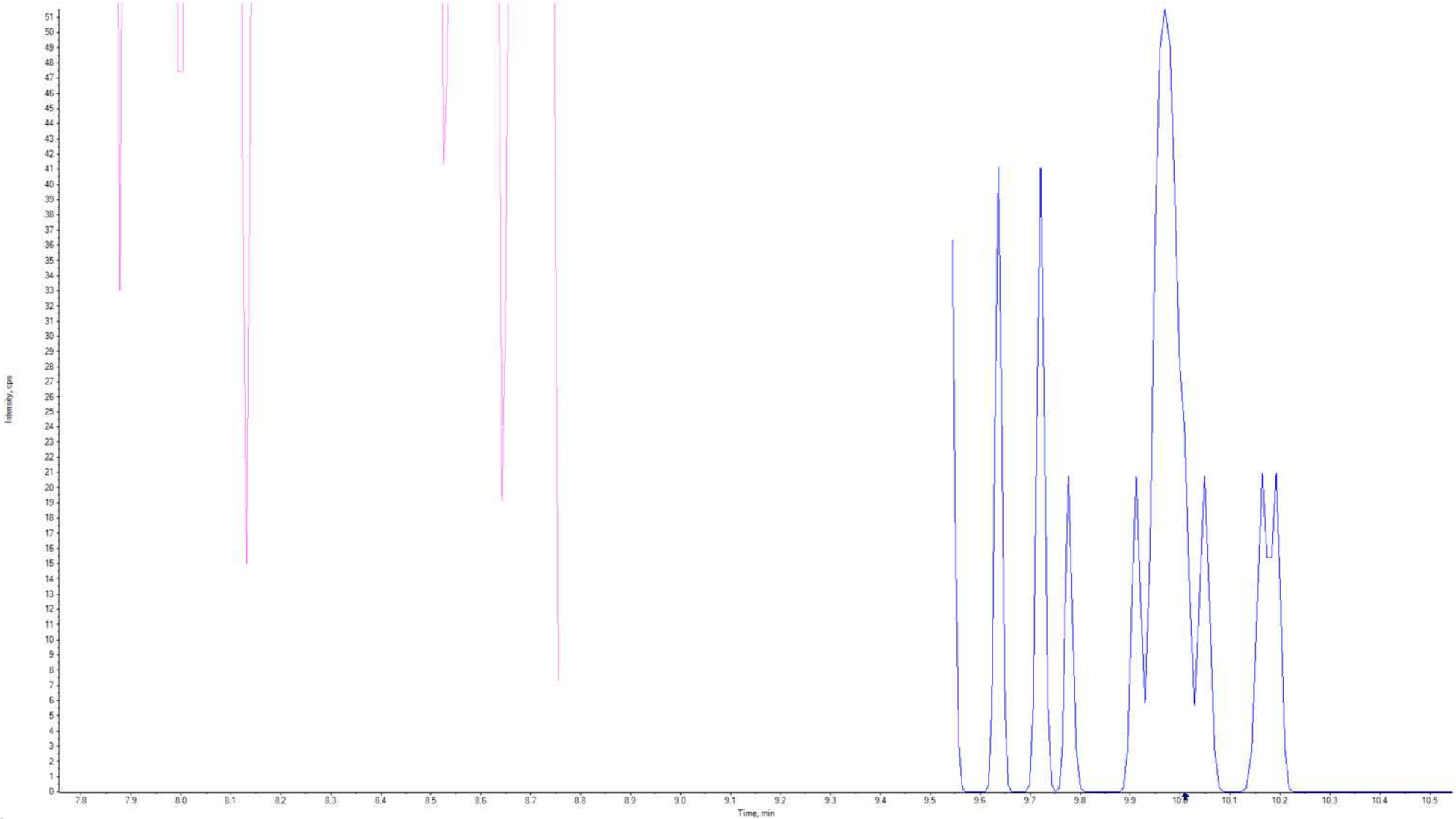

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_20.wiff
Last Altered: 9/18/2024 12:41:54 PM
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4:2FTS
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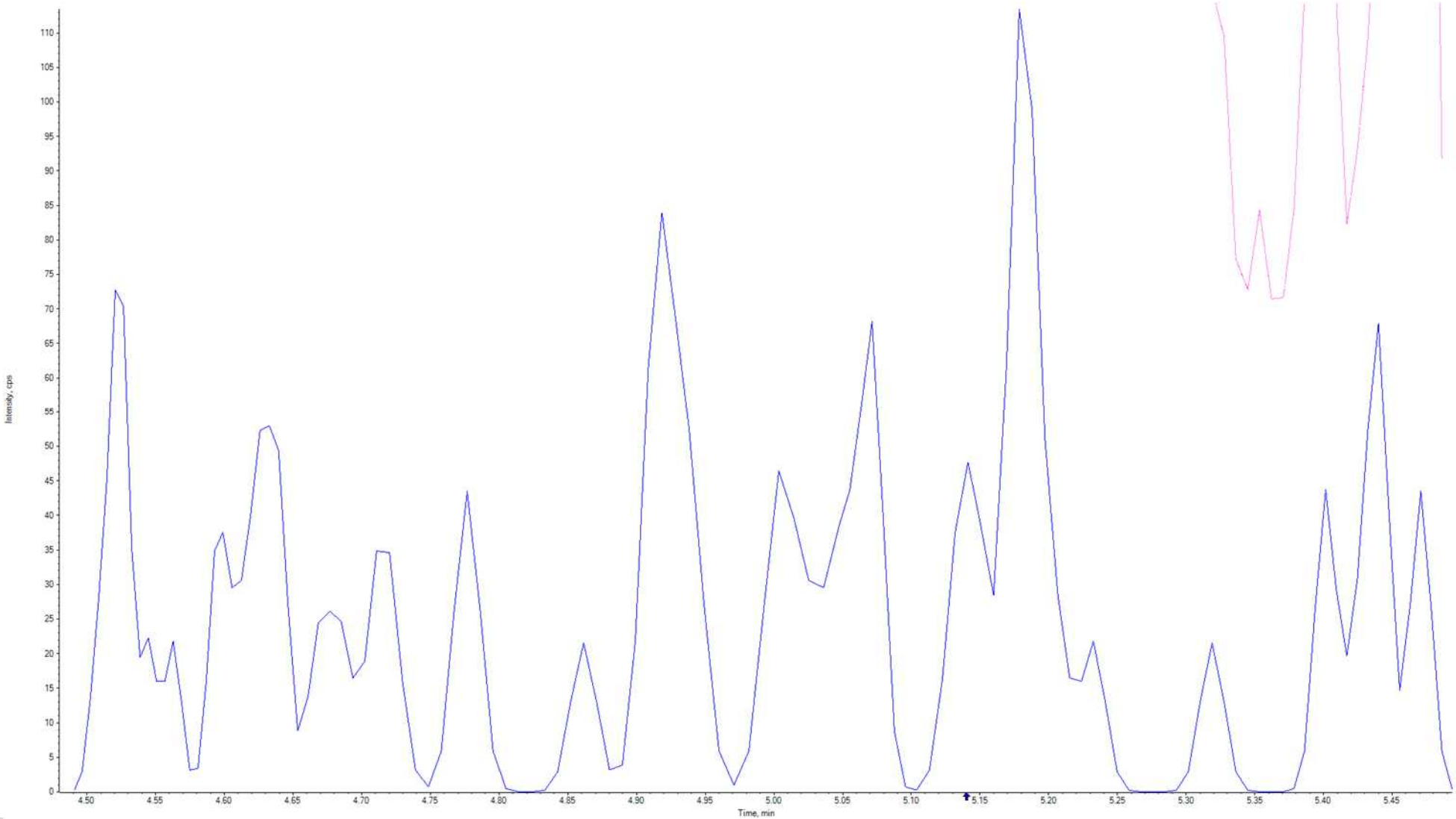

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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4:2FTS_2
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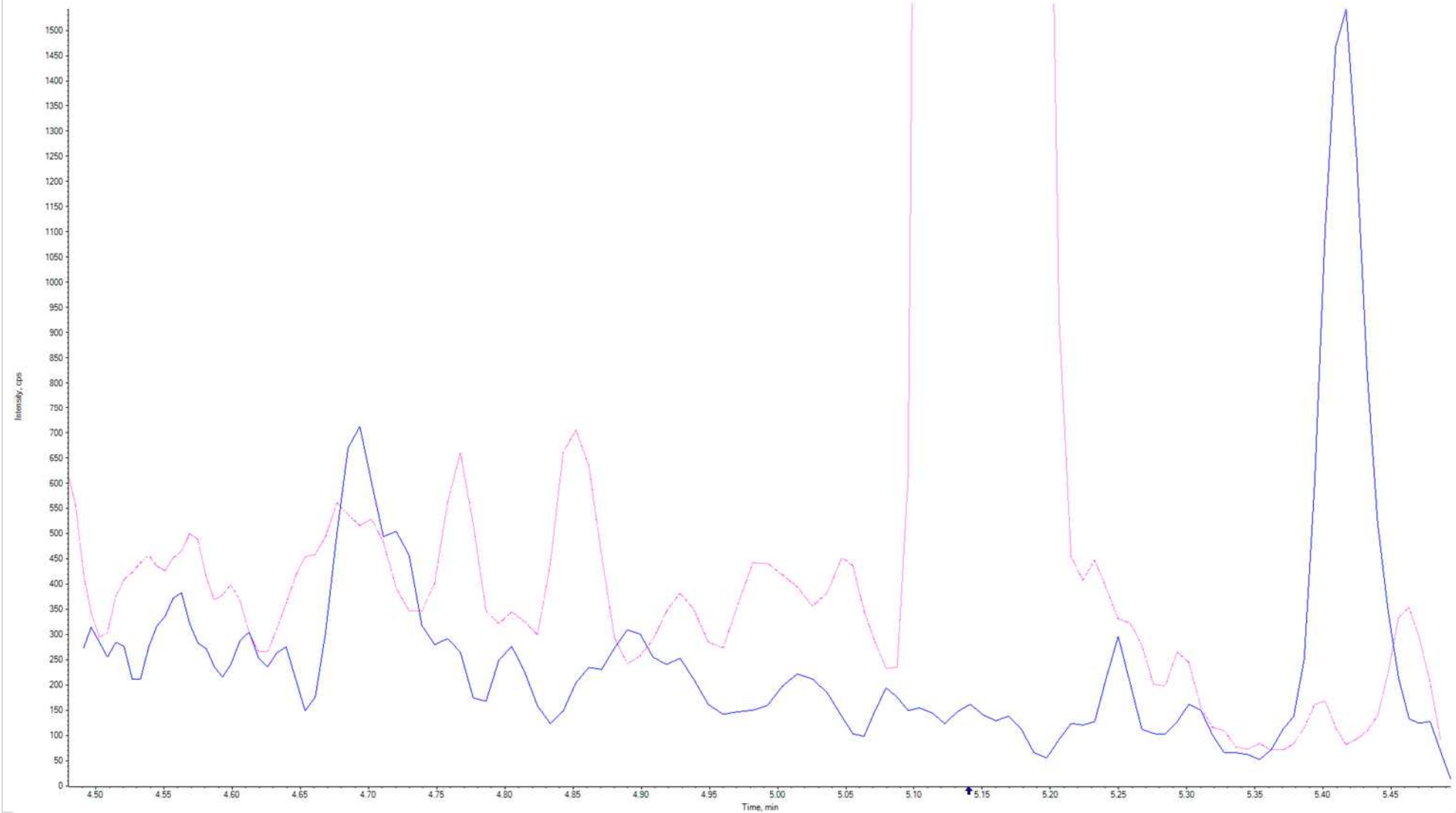

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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6:2FTS
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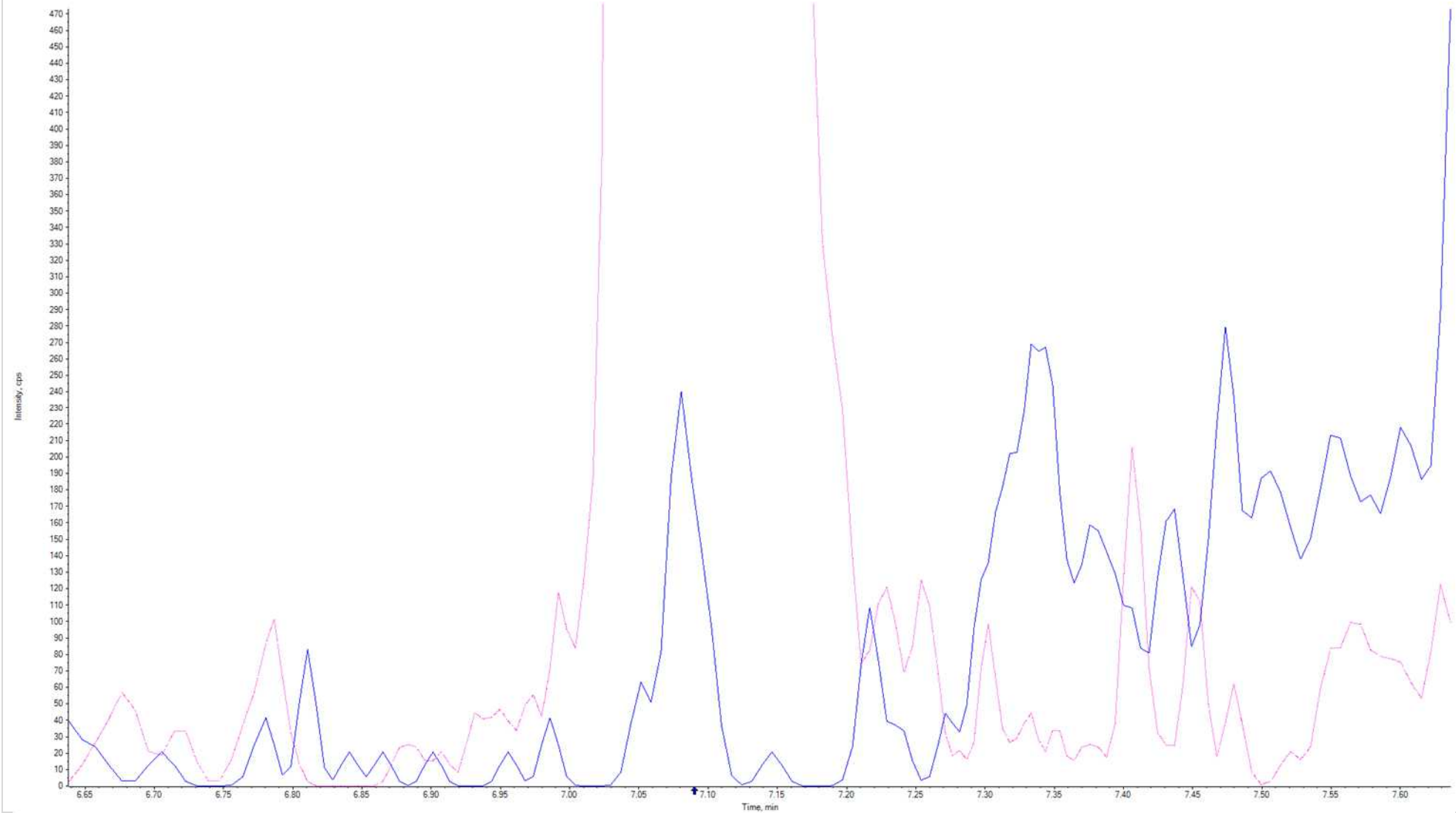

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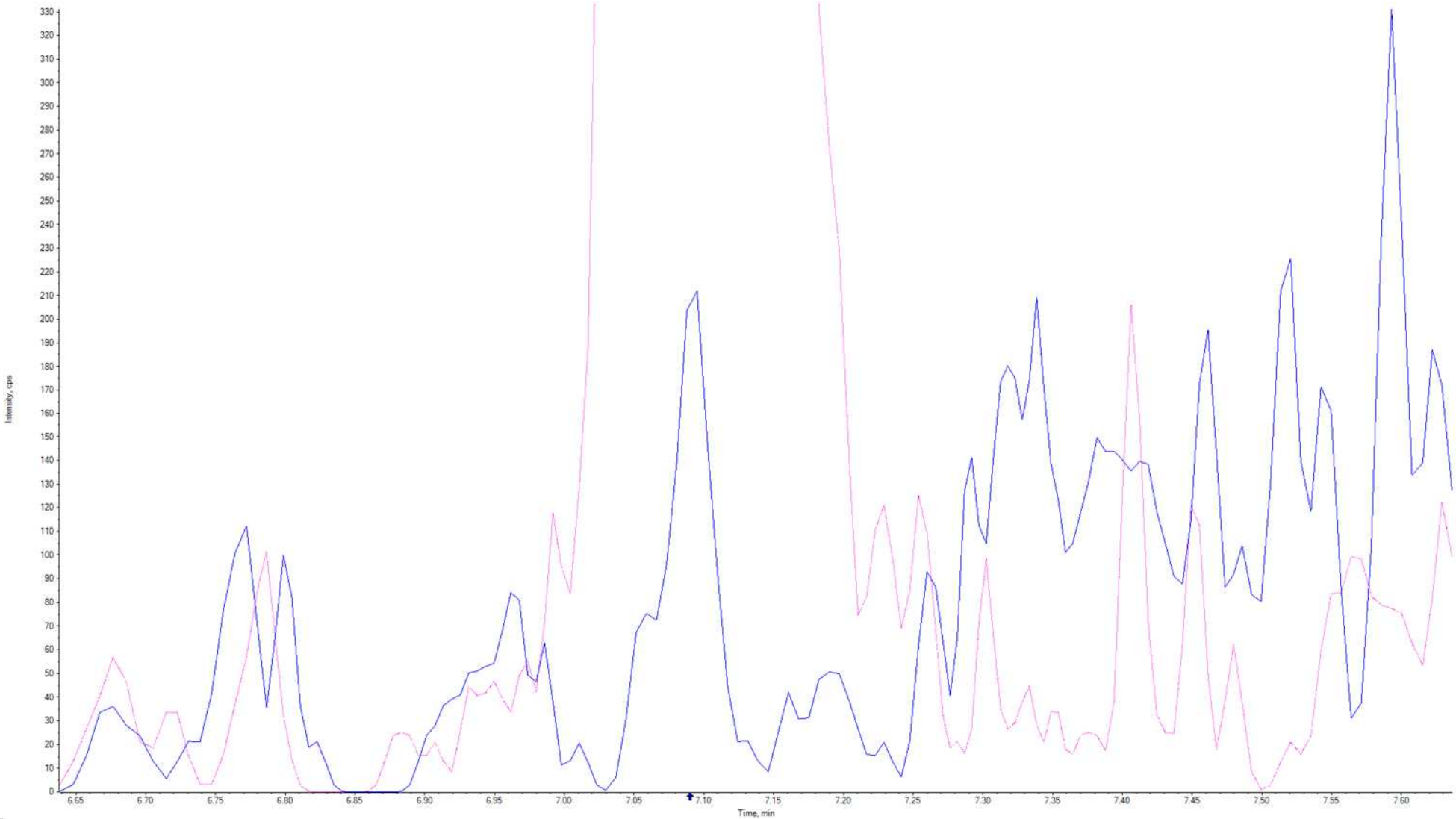

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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8:2FTS
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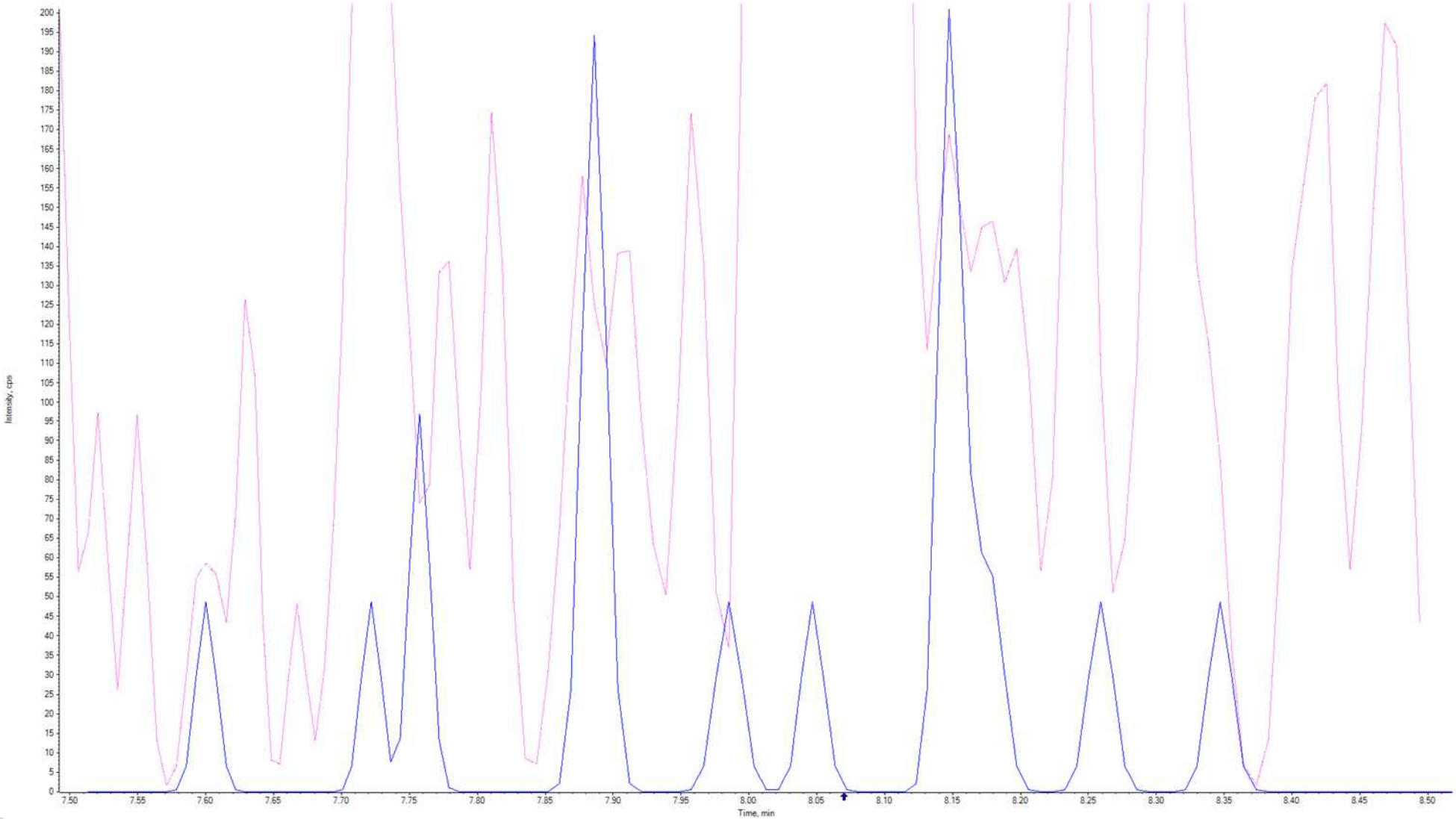

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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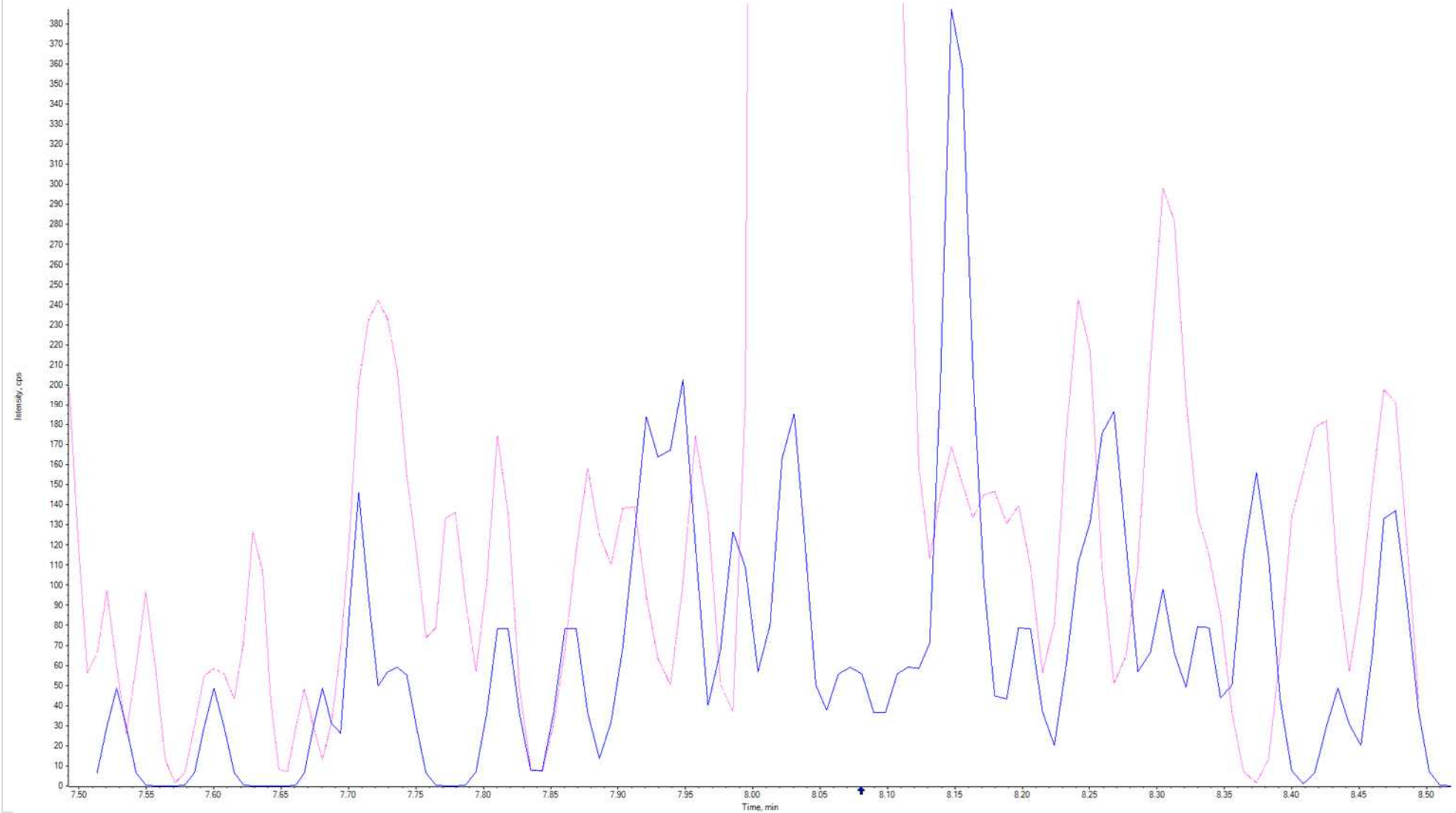

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PFOSA
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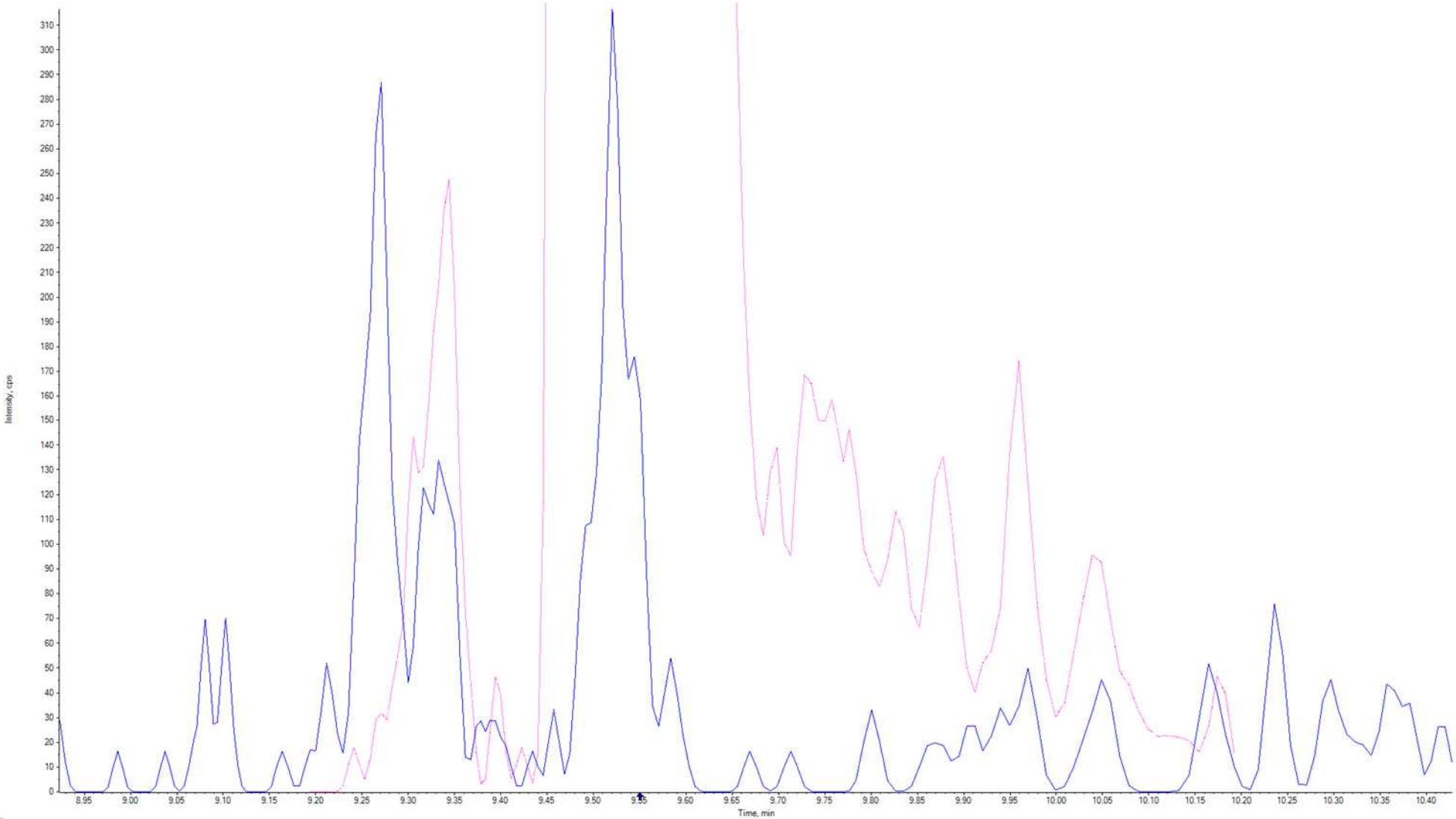

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PFOSA_2
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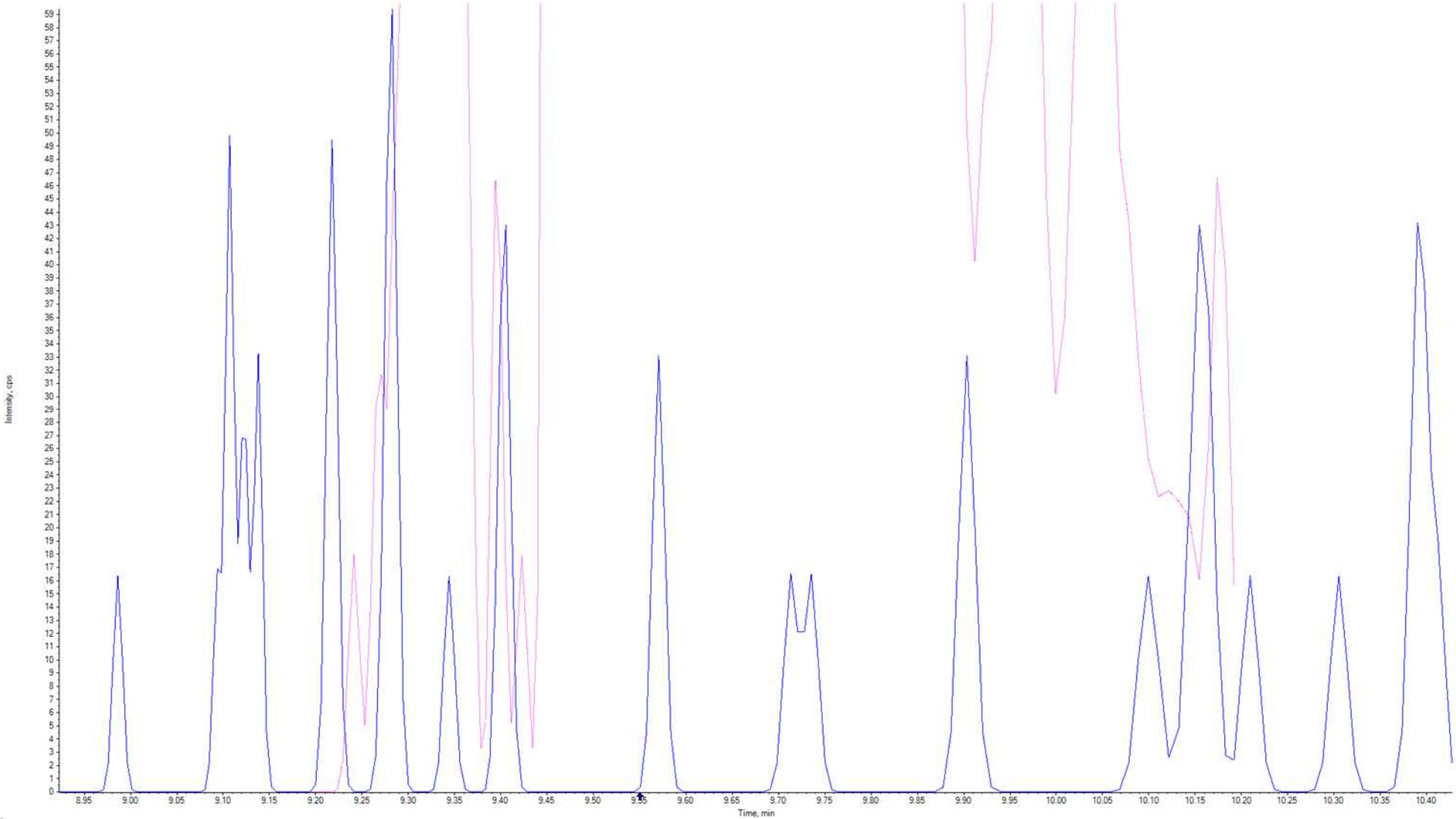

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NMeFOSA
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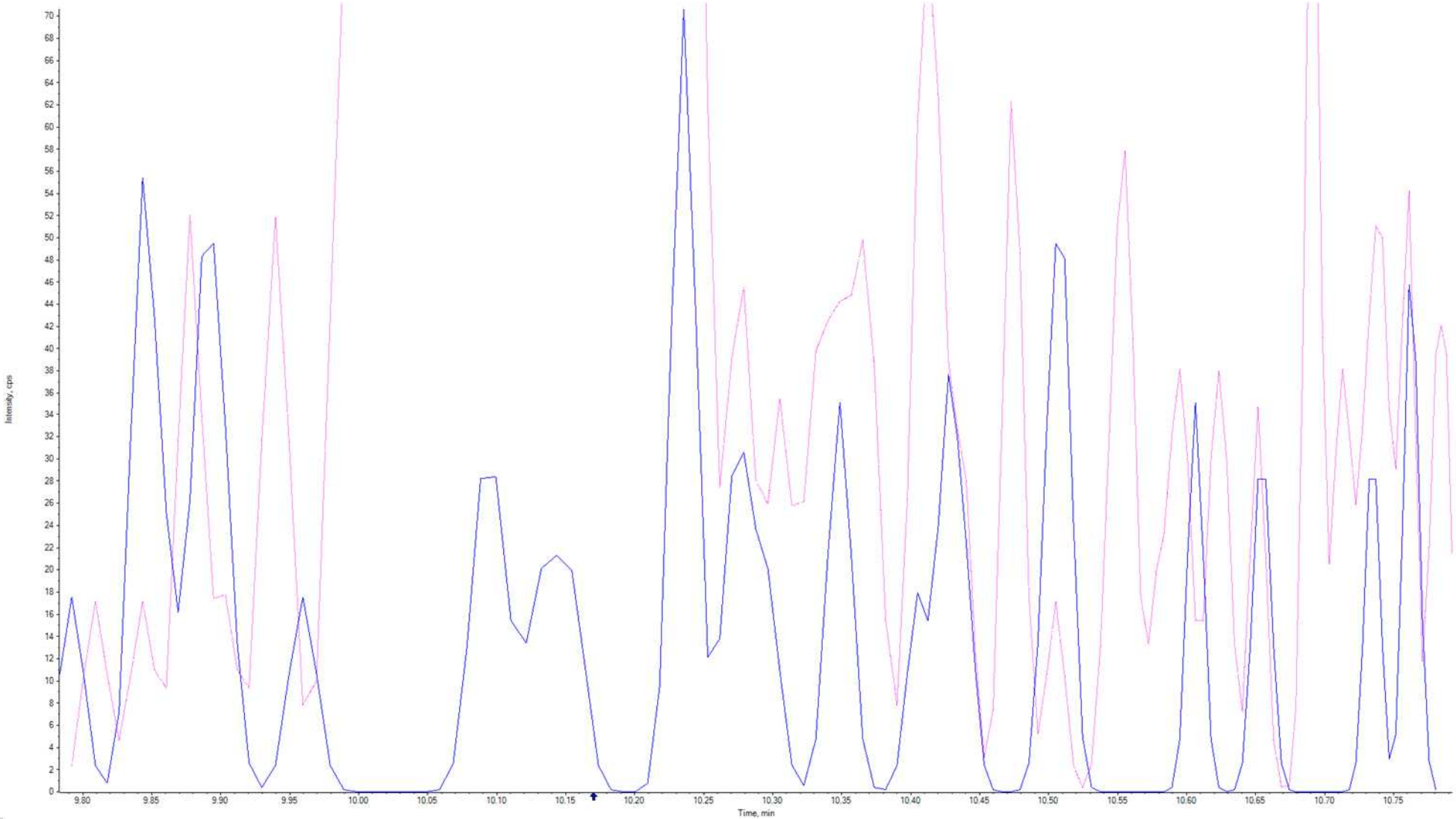

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NMeFOSA_2
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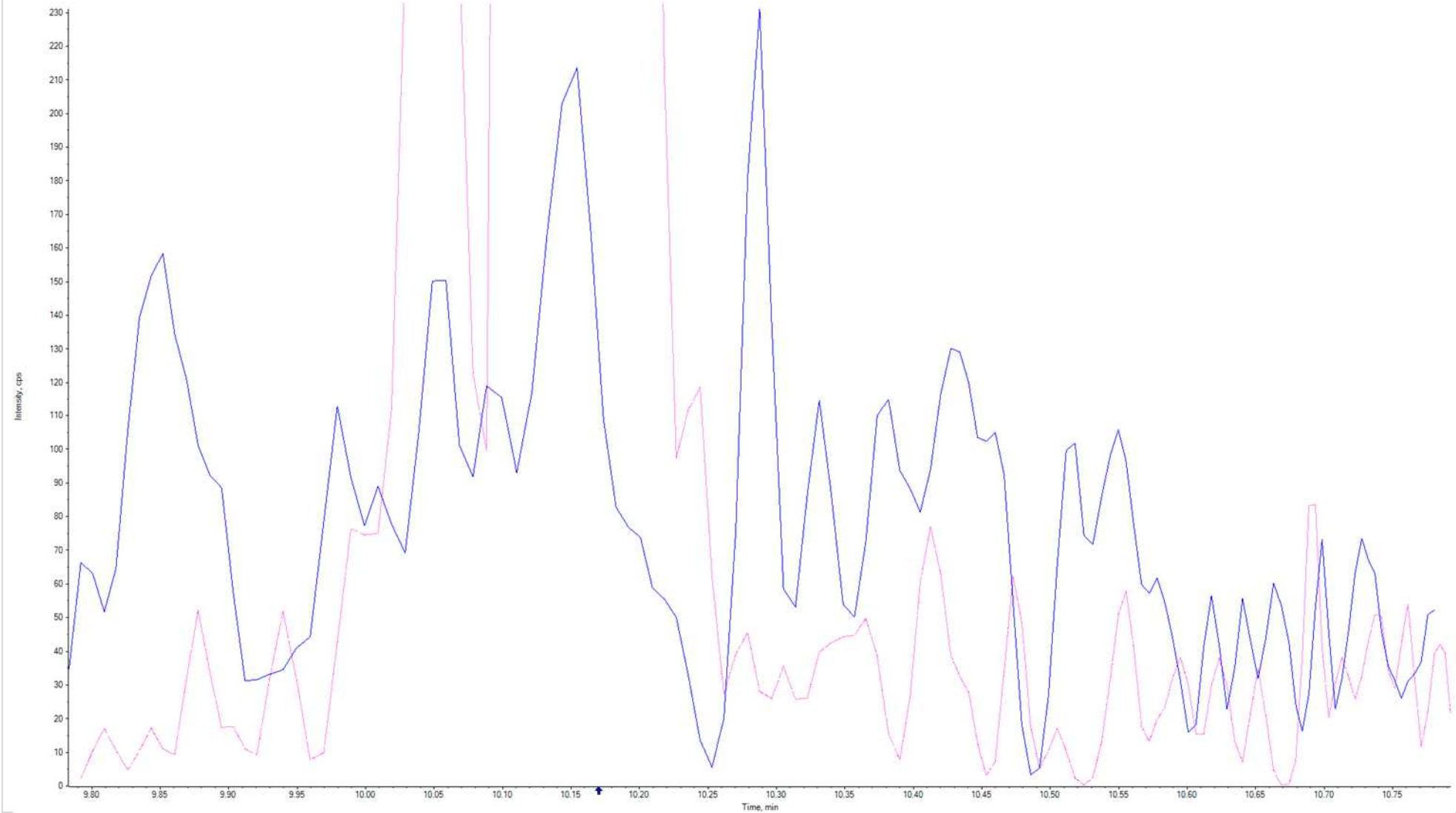

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NEtFOSA
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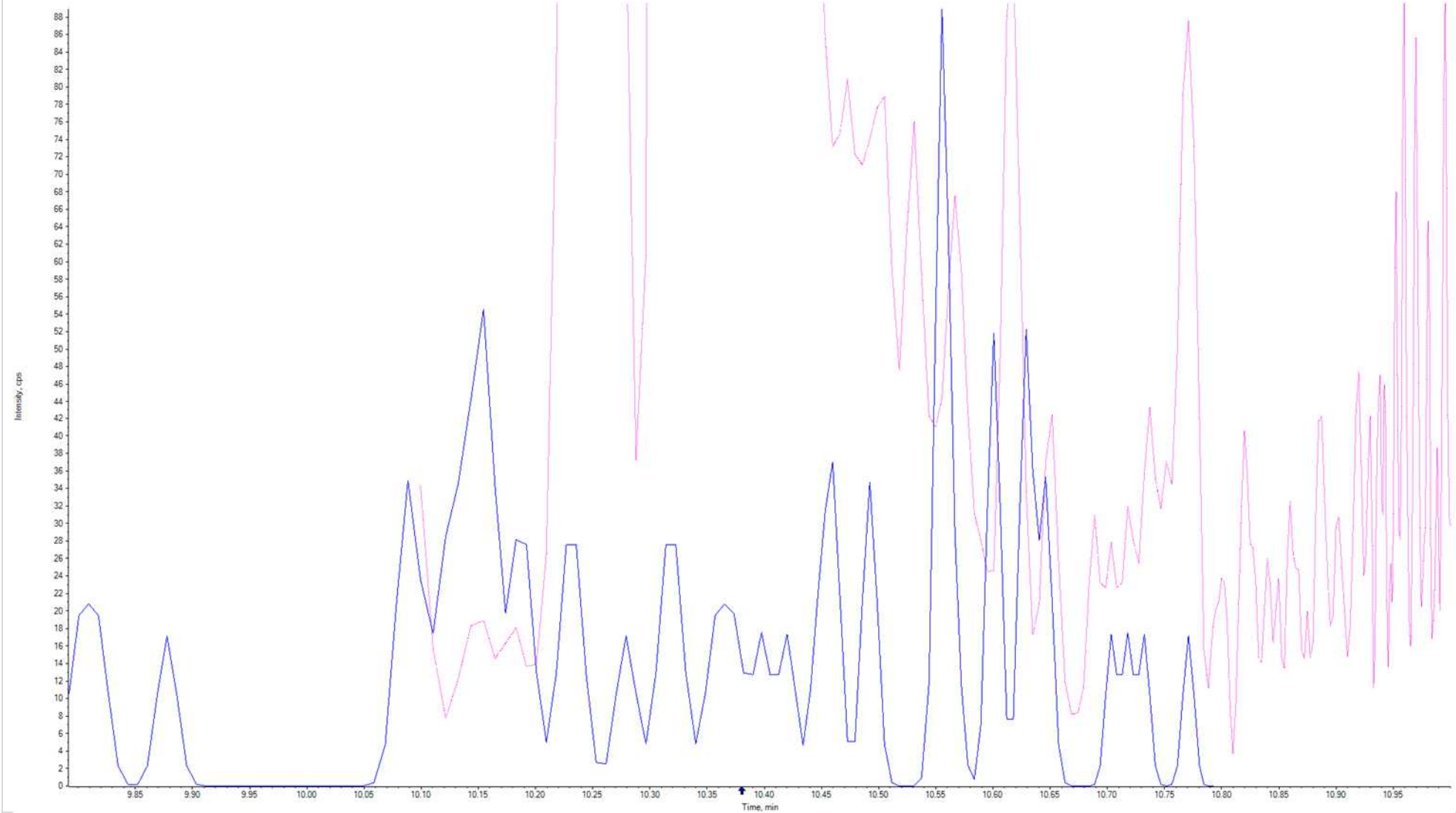

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NEtFOSA_2
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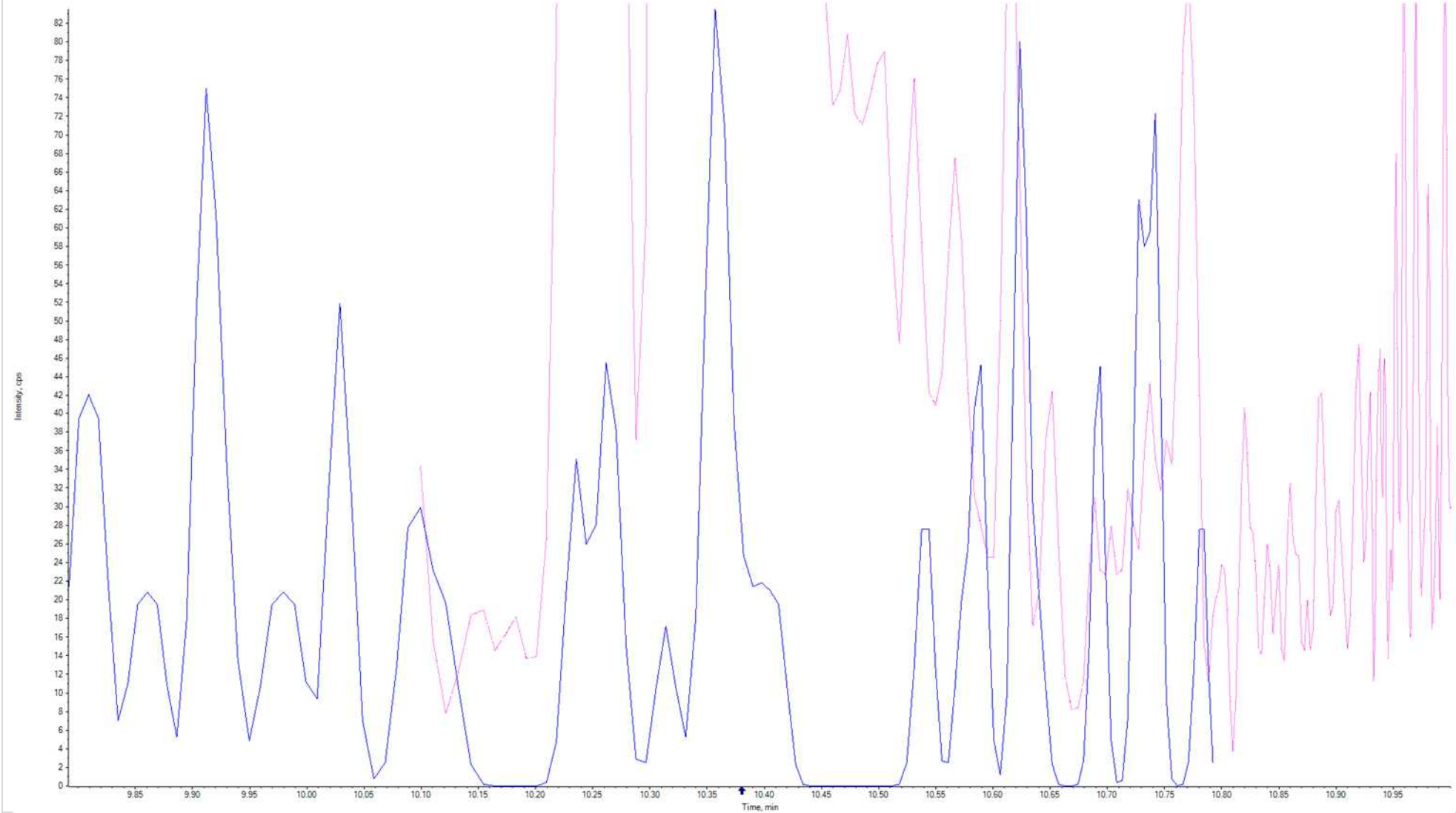

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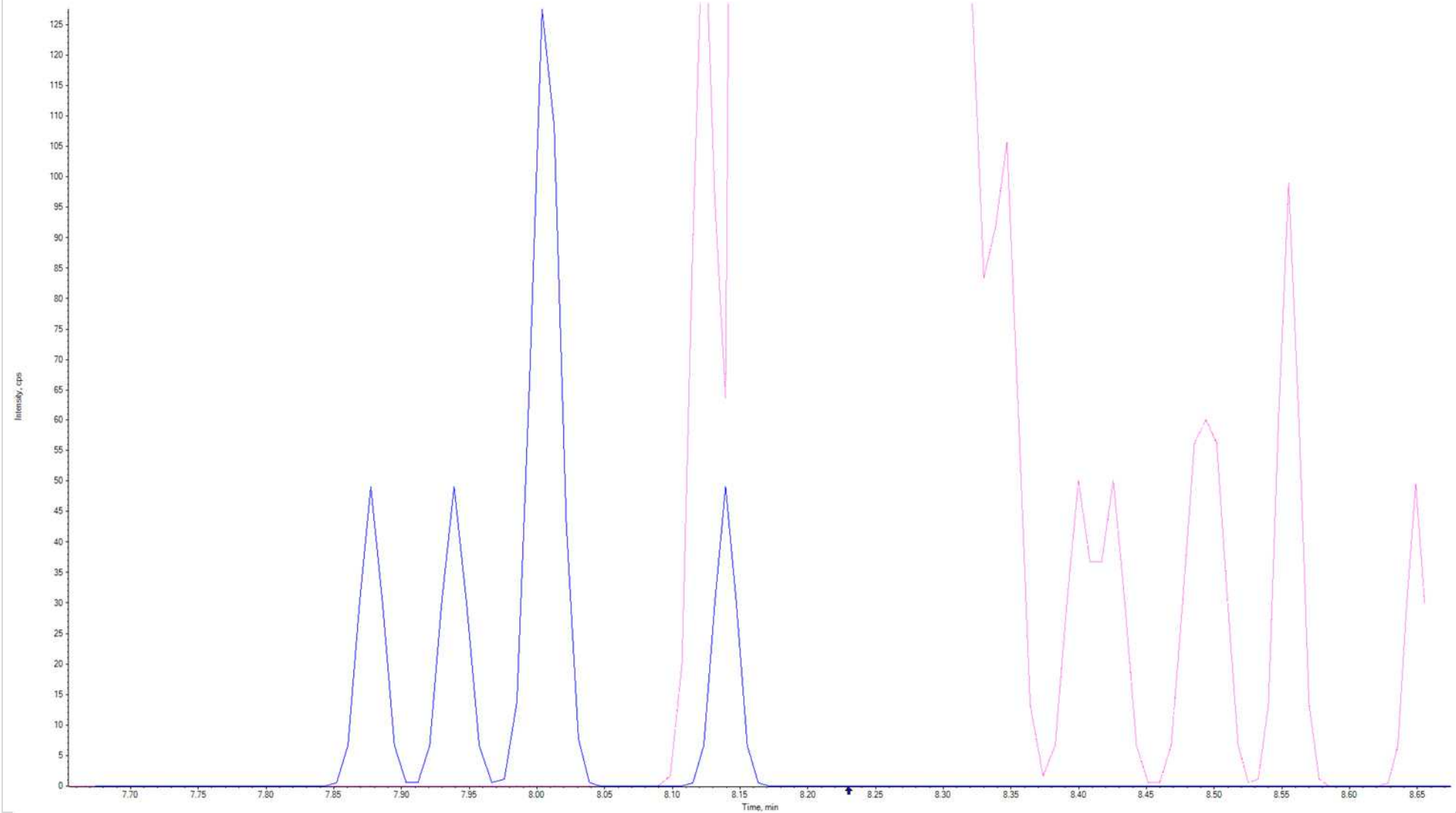

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NMeFOSAA_2
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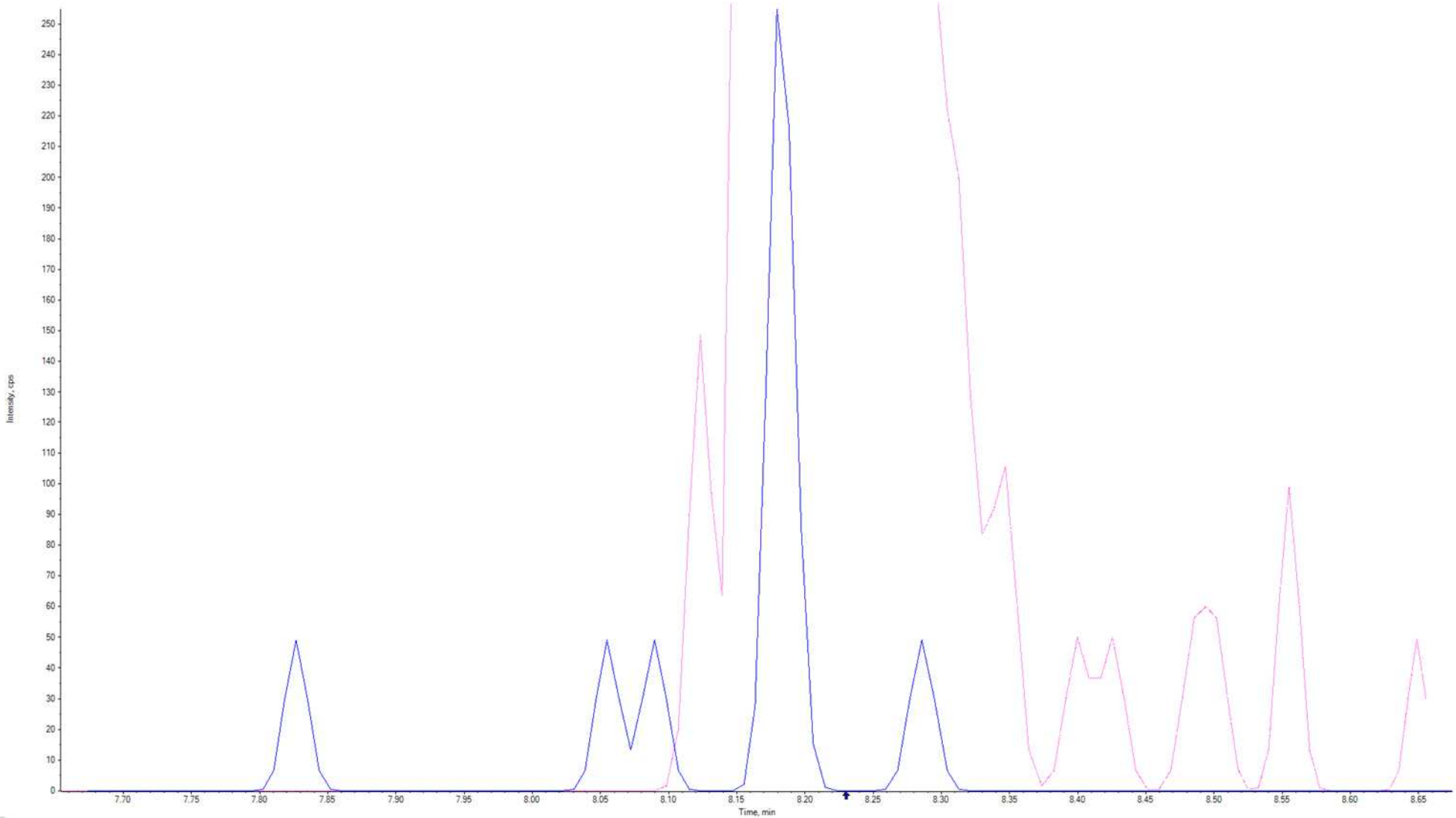

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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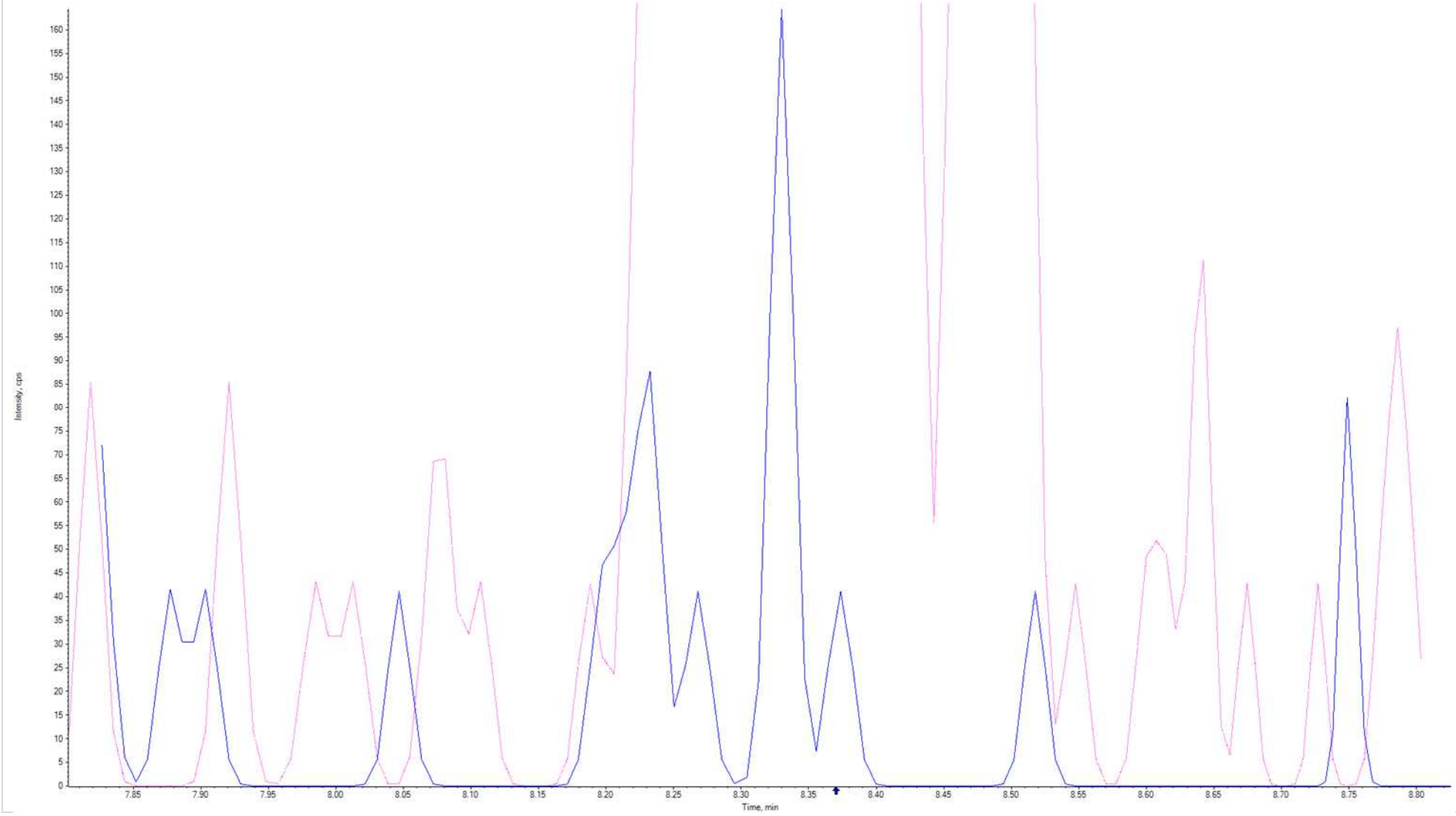

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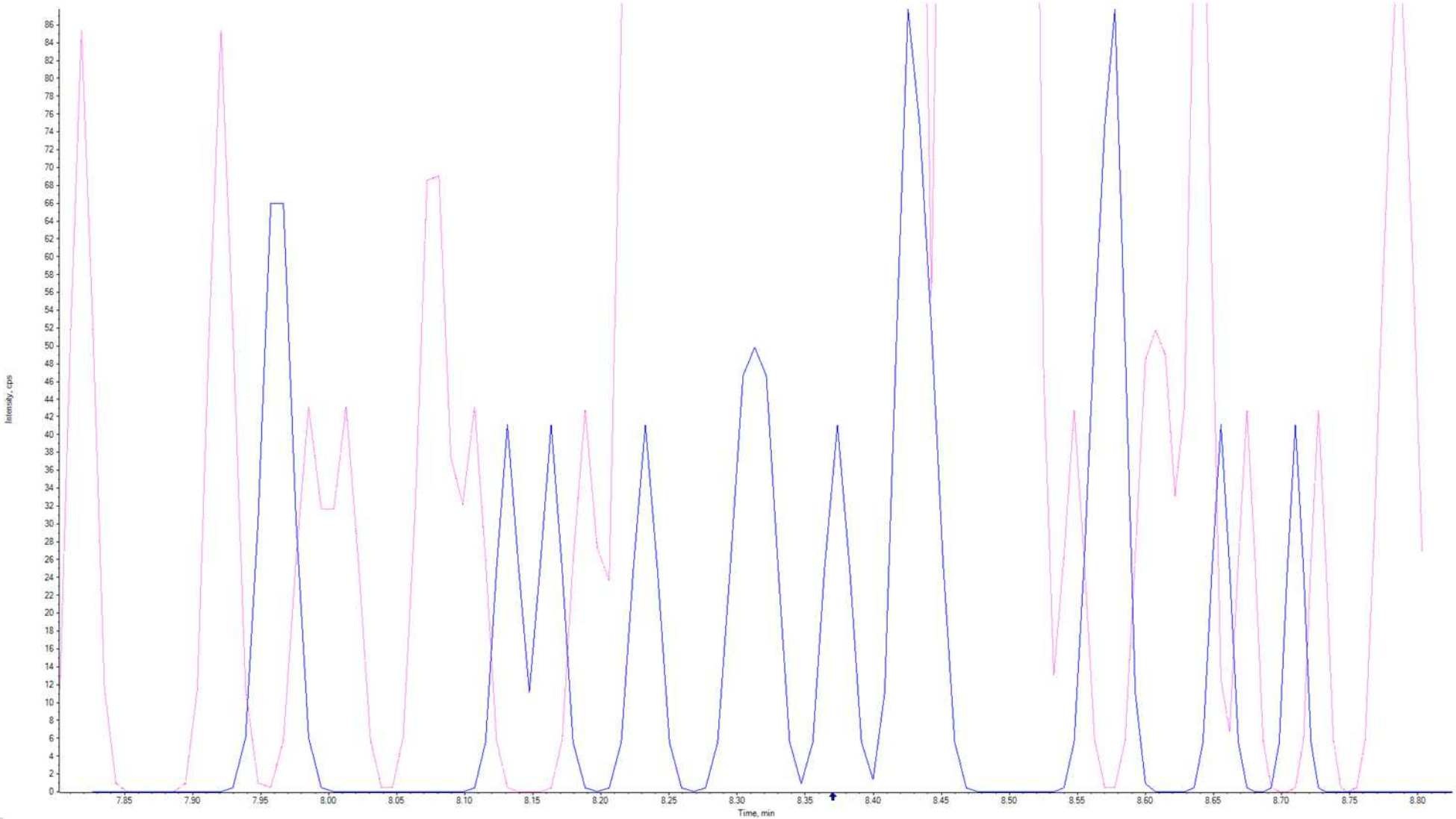

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NMeFOSE
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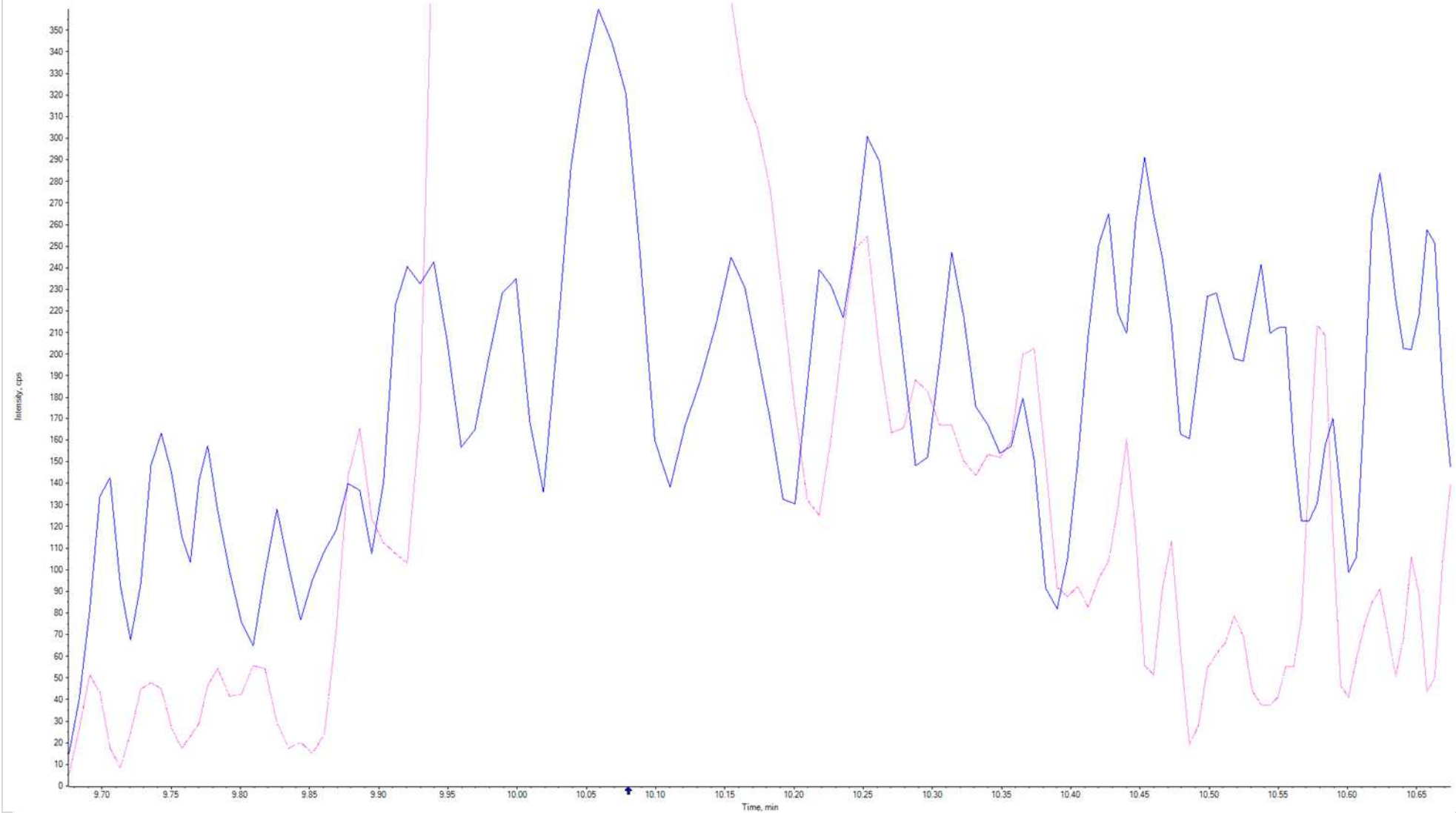

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NEtFOSE
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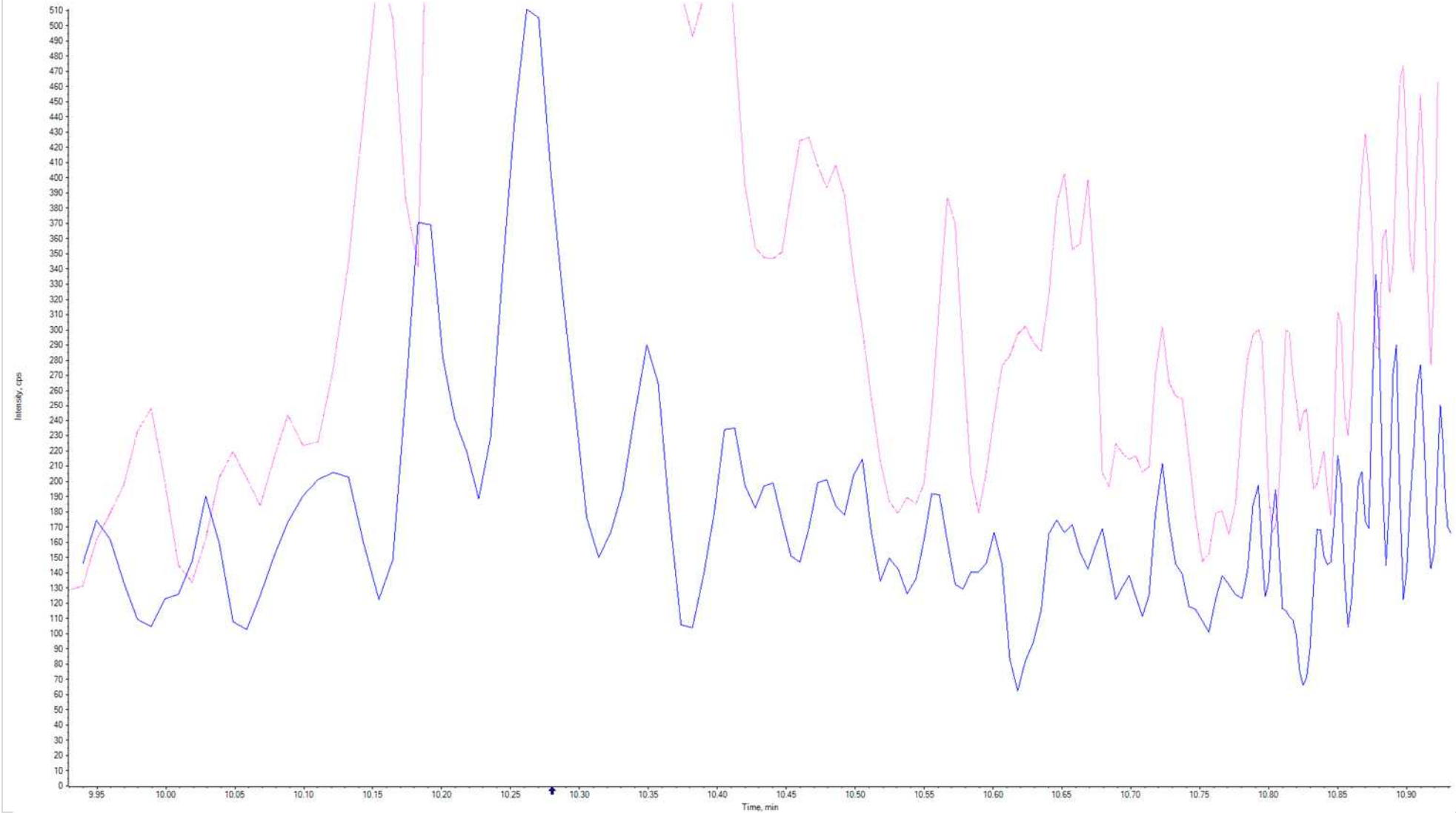

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HFPO-DA
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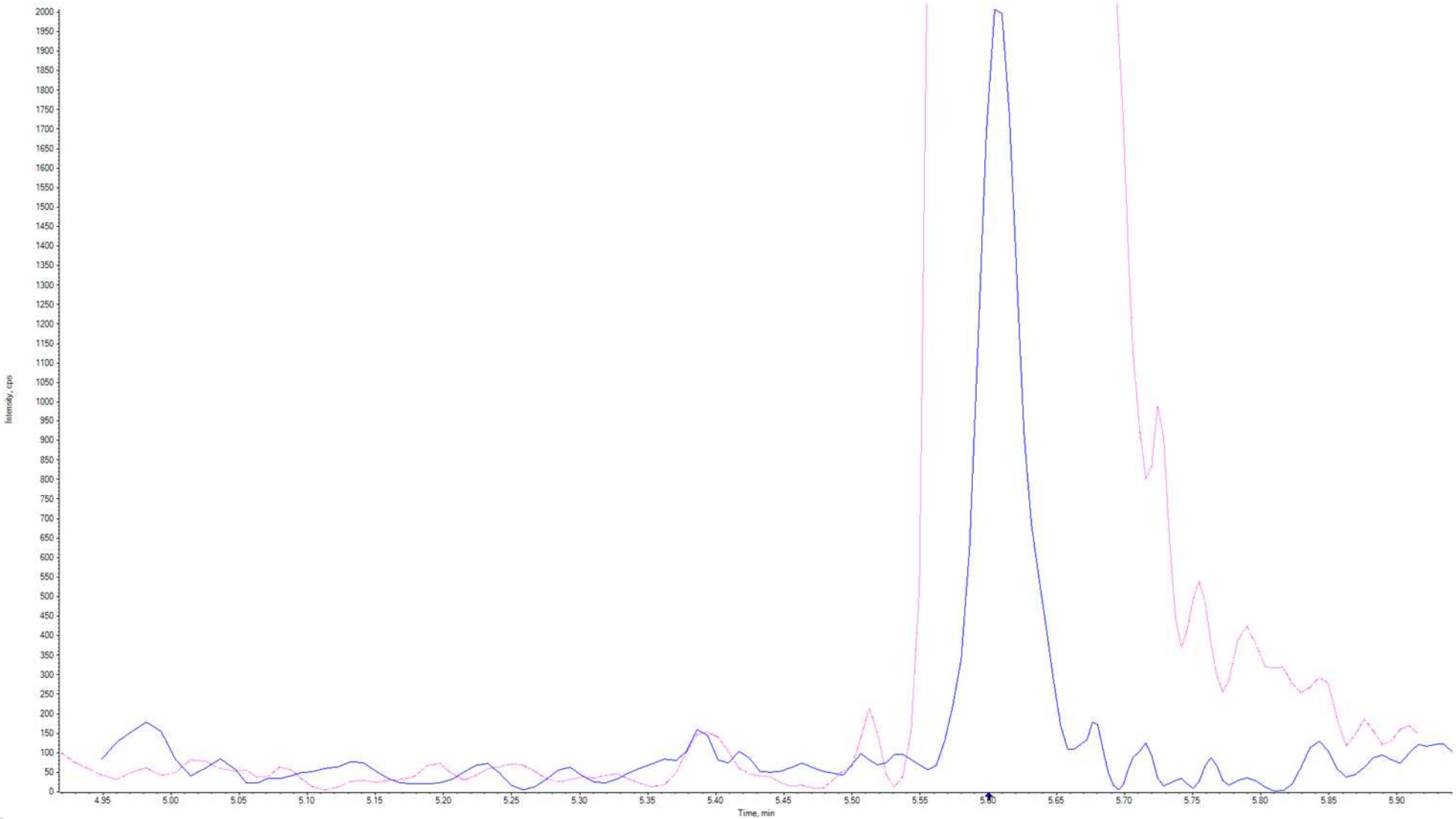

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HFPO-DA_2
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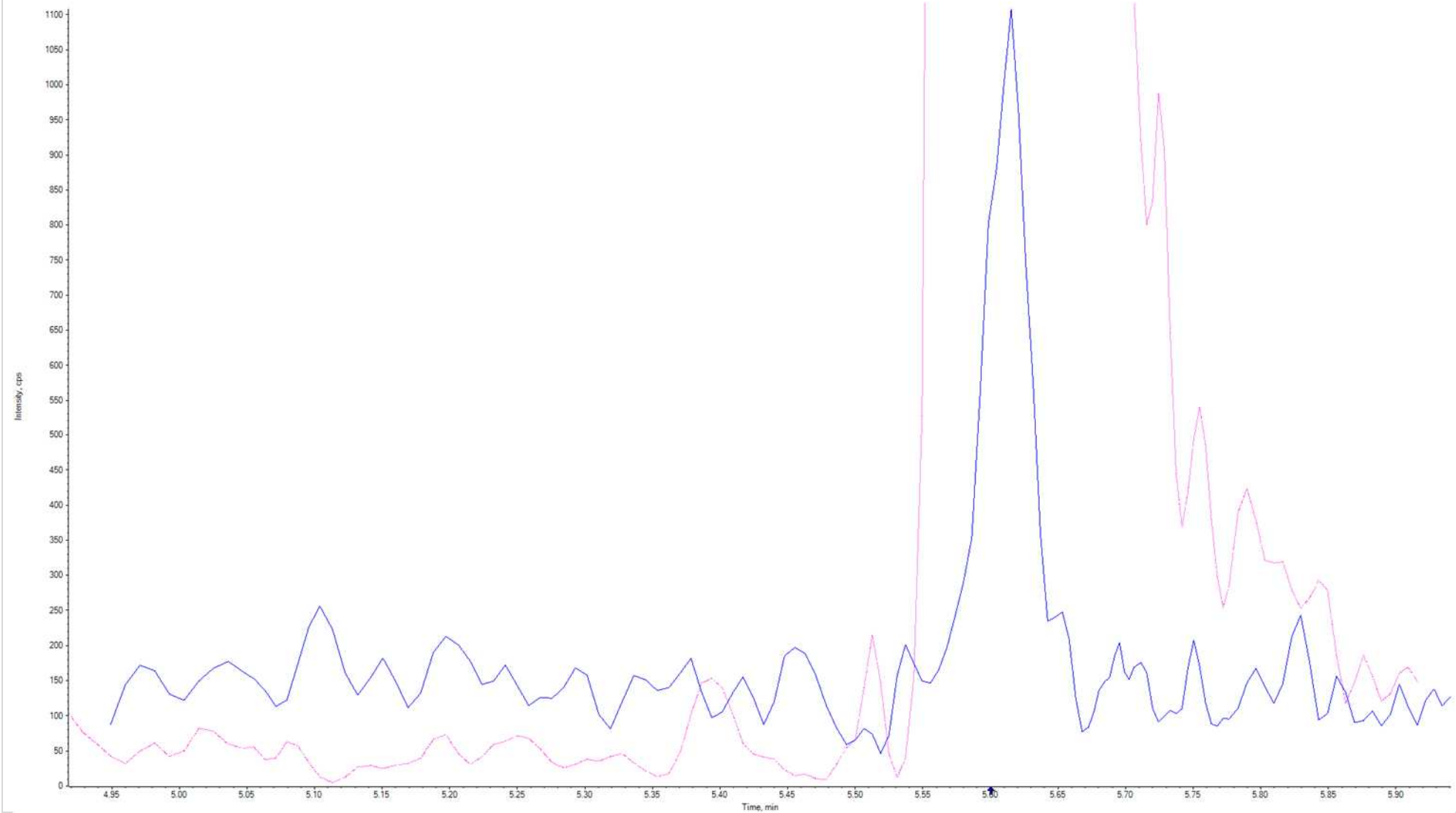

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ADONA
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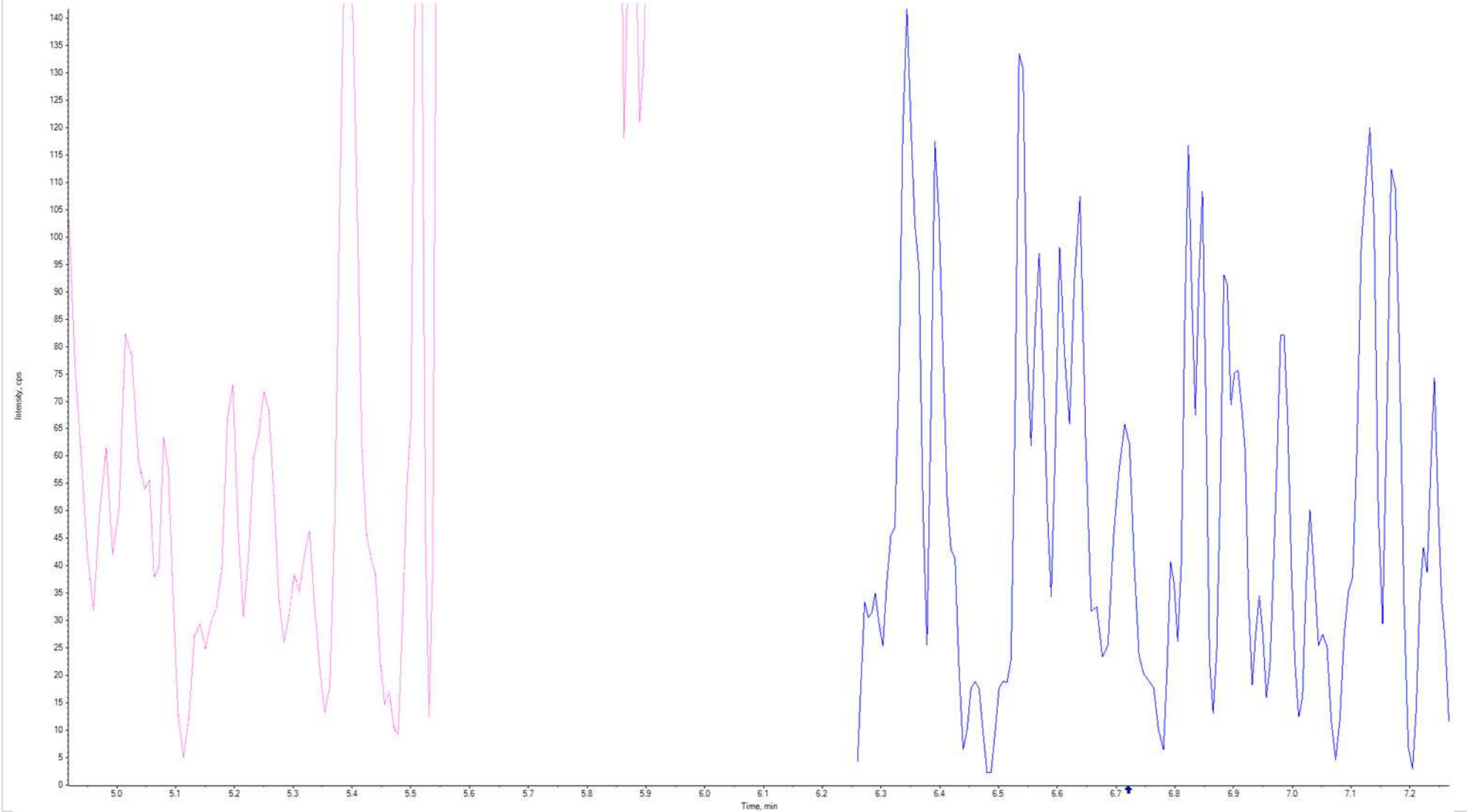

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ADONA_2
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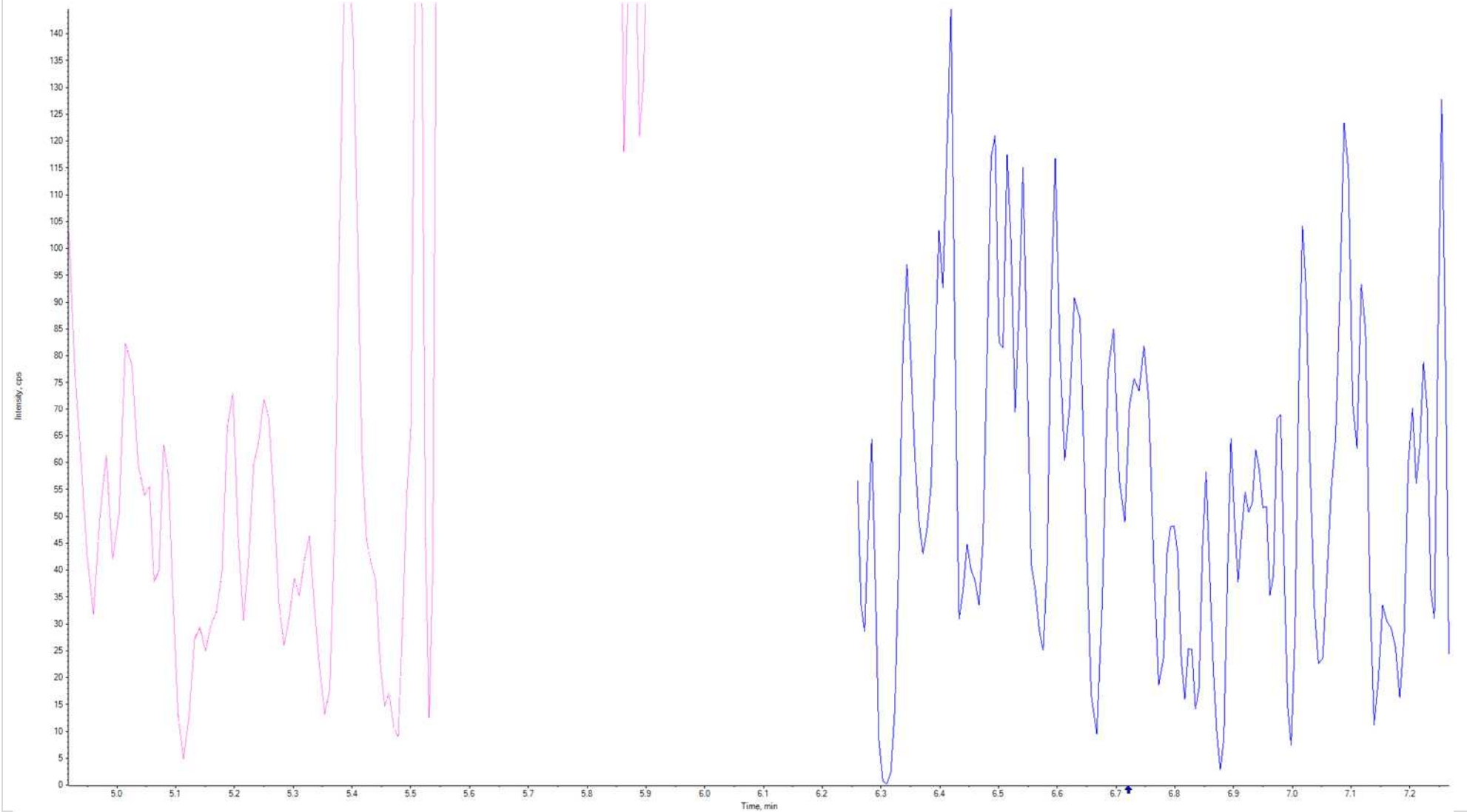

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9Cl-PF3ONS
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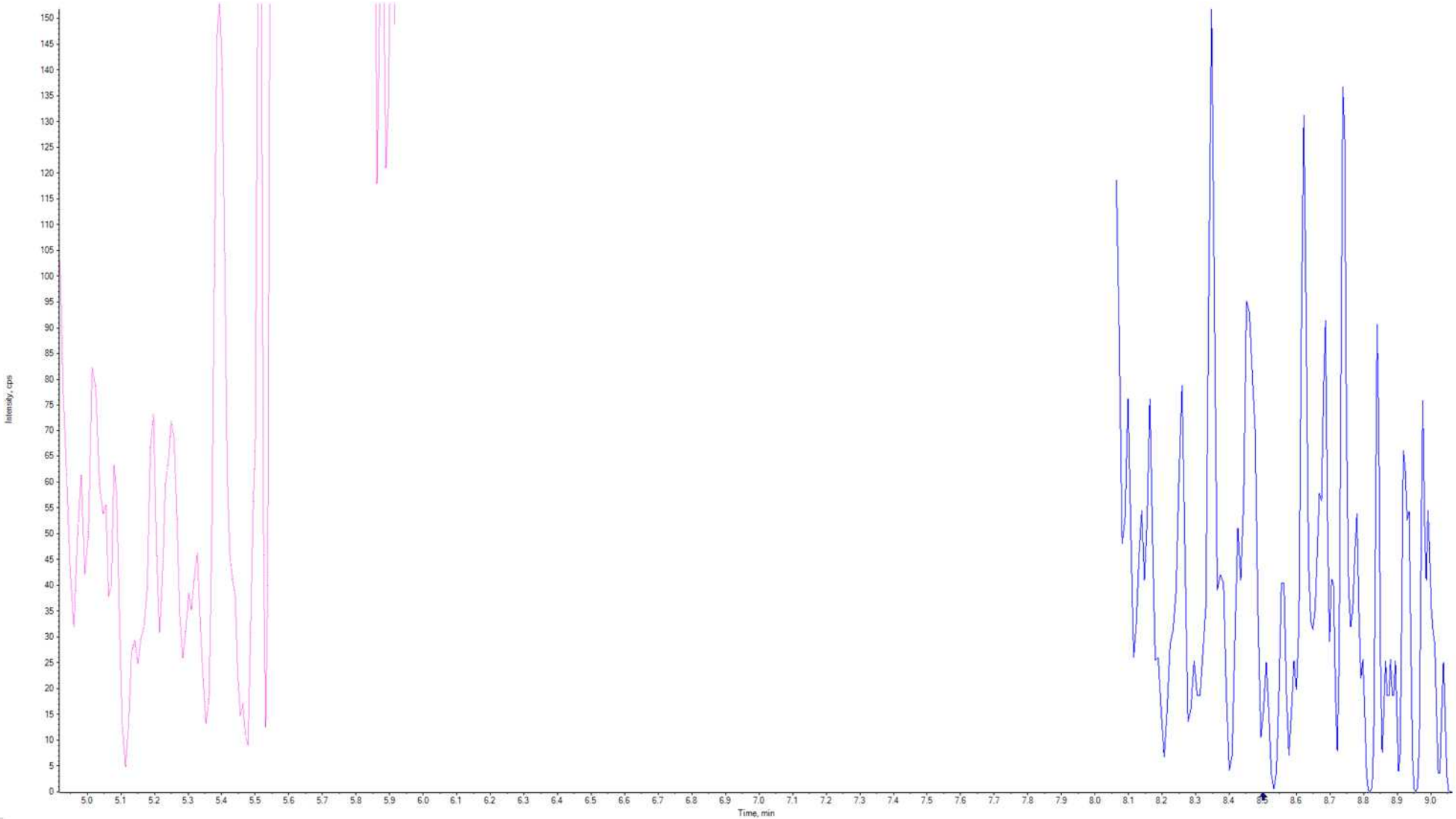

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9Cl-PF3ONS_2
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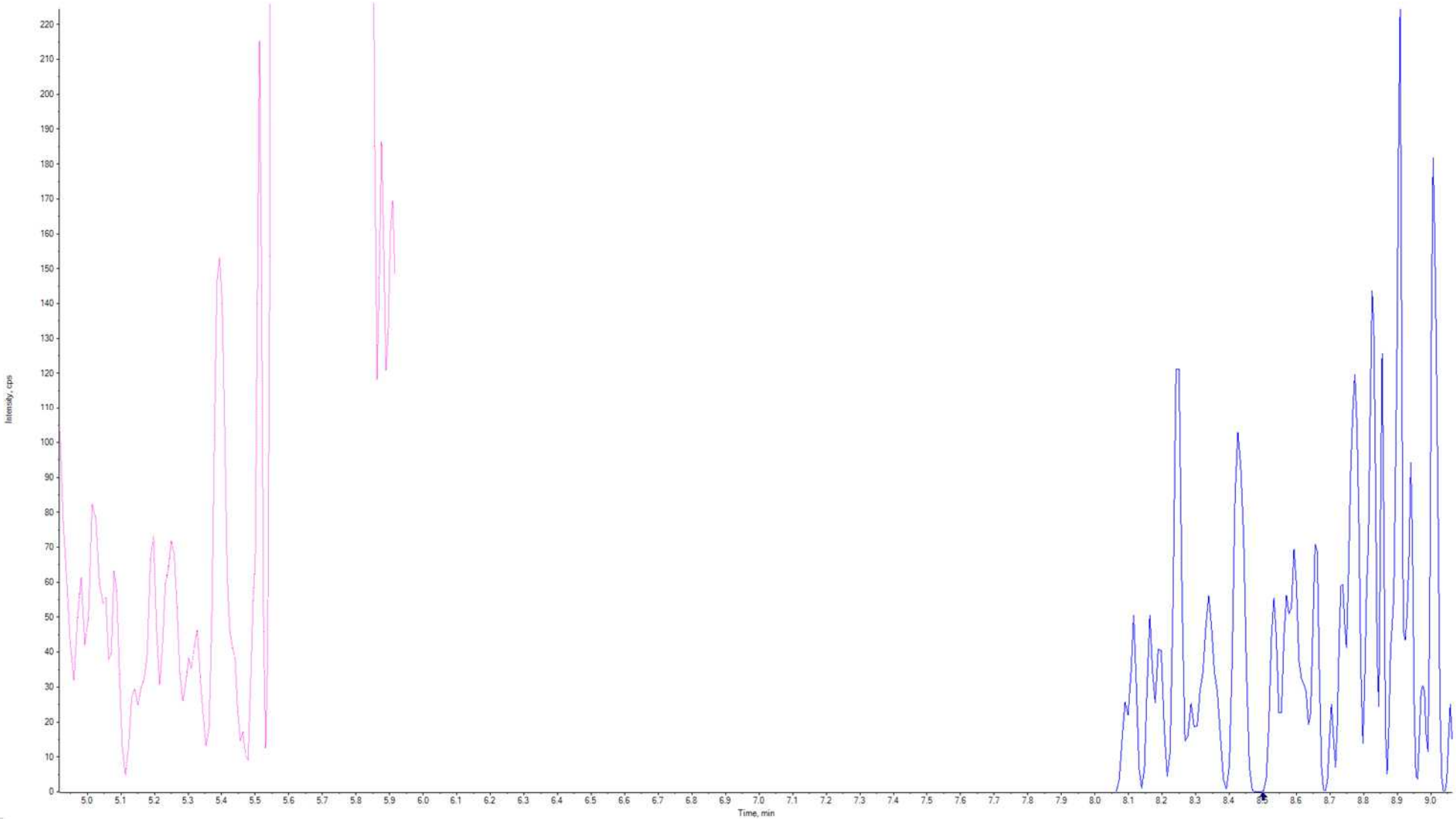

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11Cl-PF3OUdS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
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3:3FTCA
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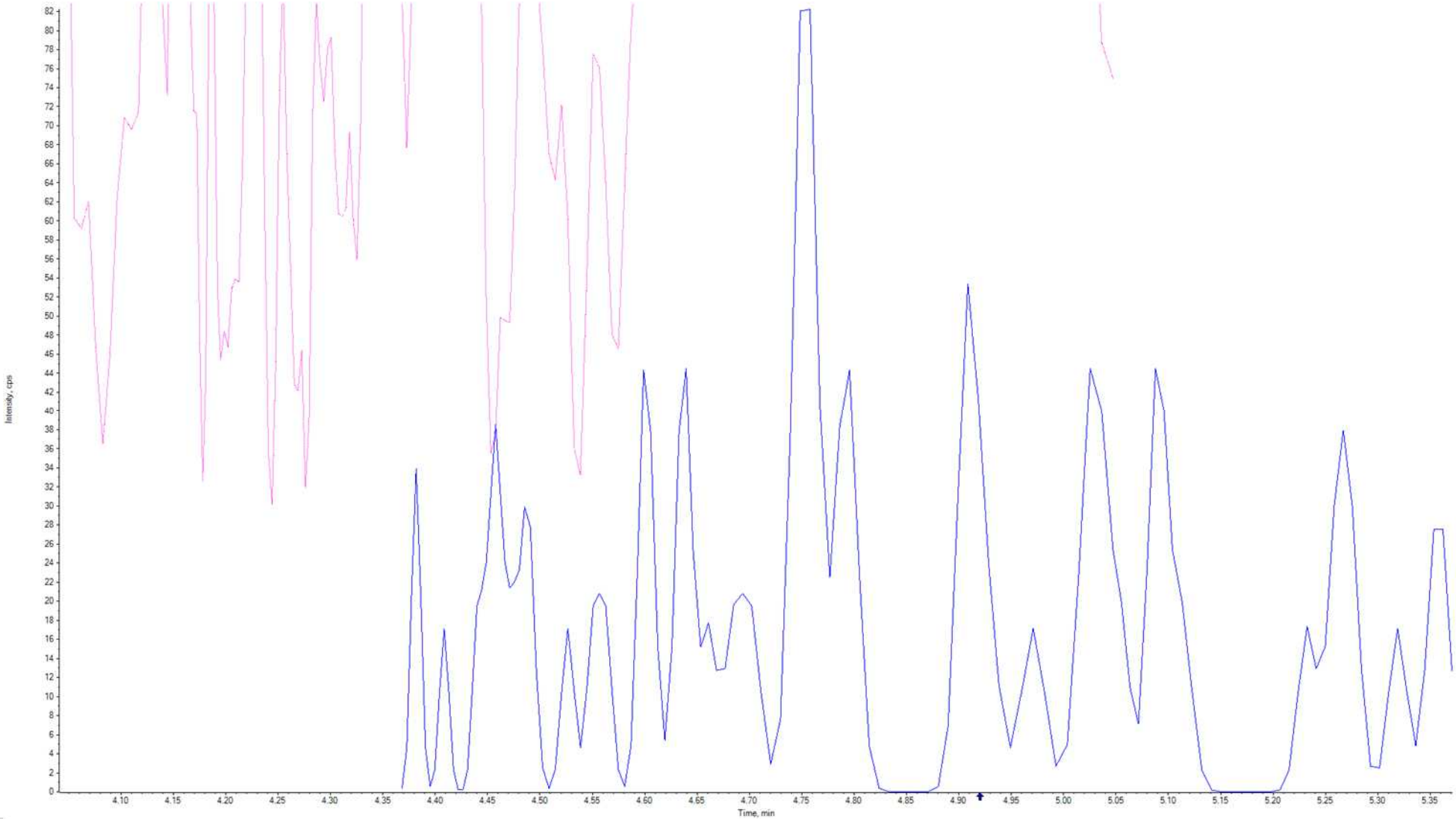

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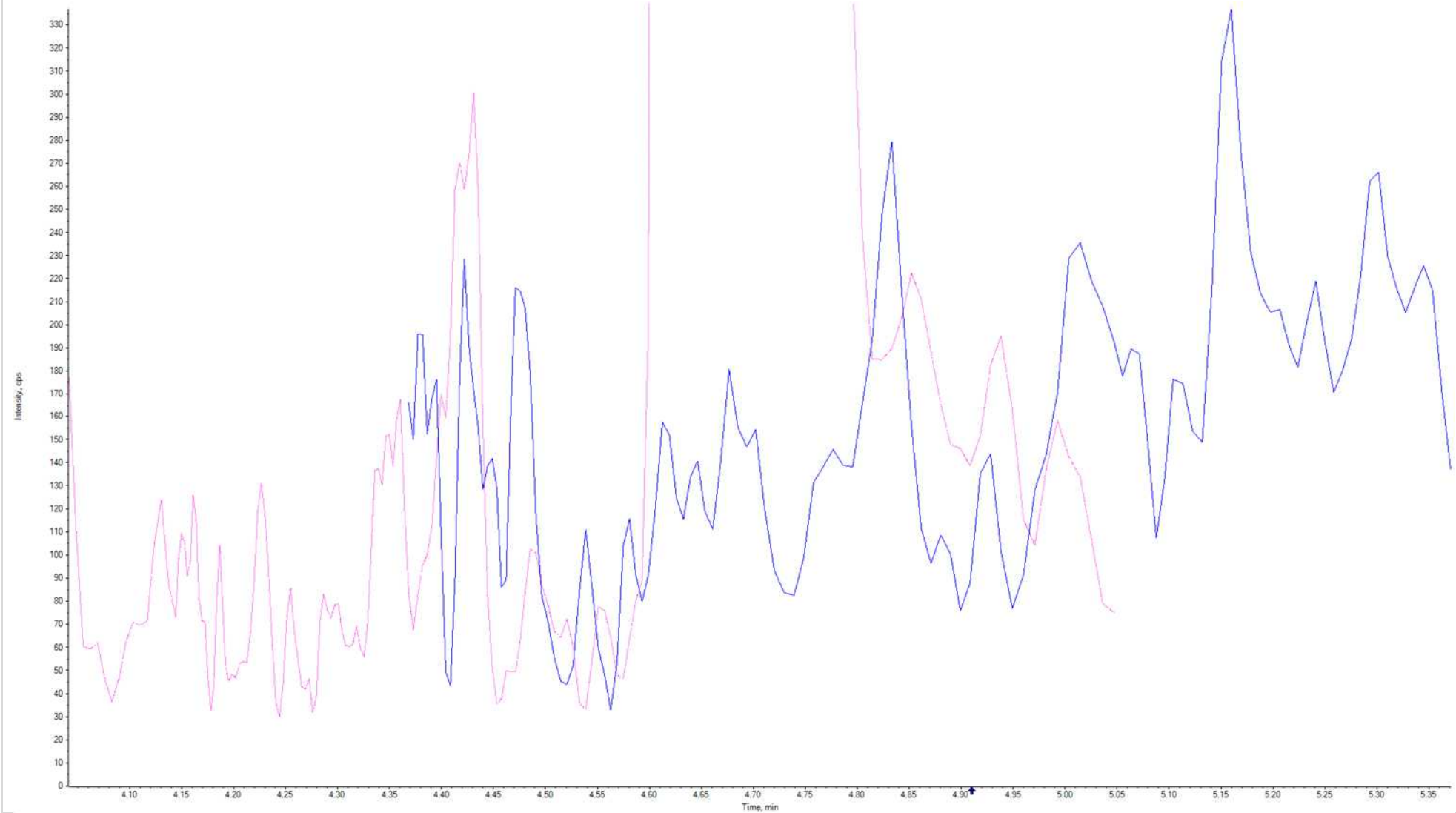

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5:3FTCA
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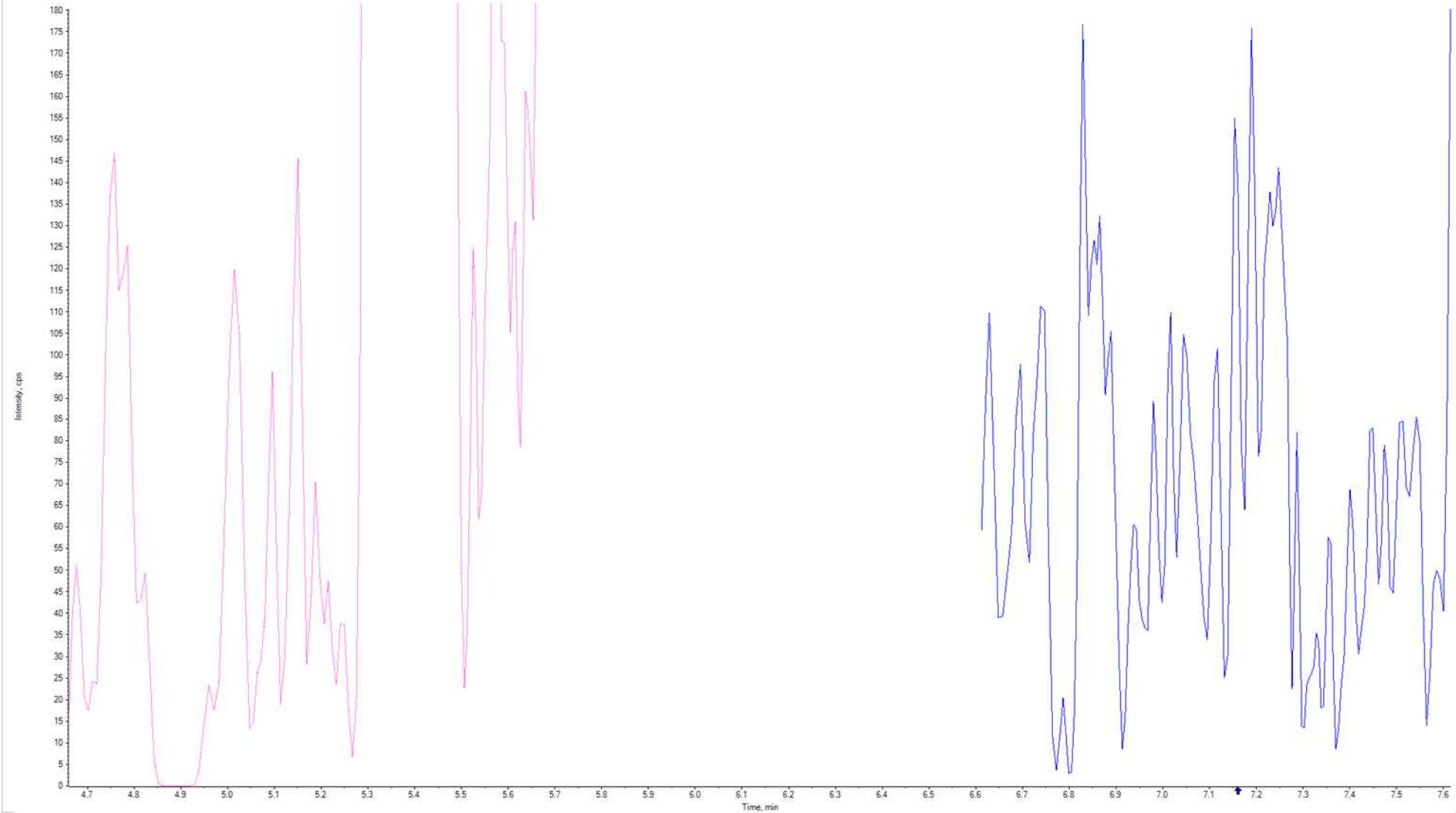

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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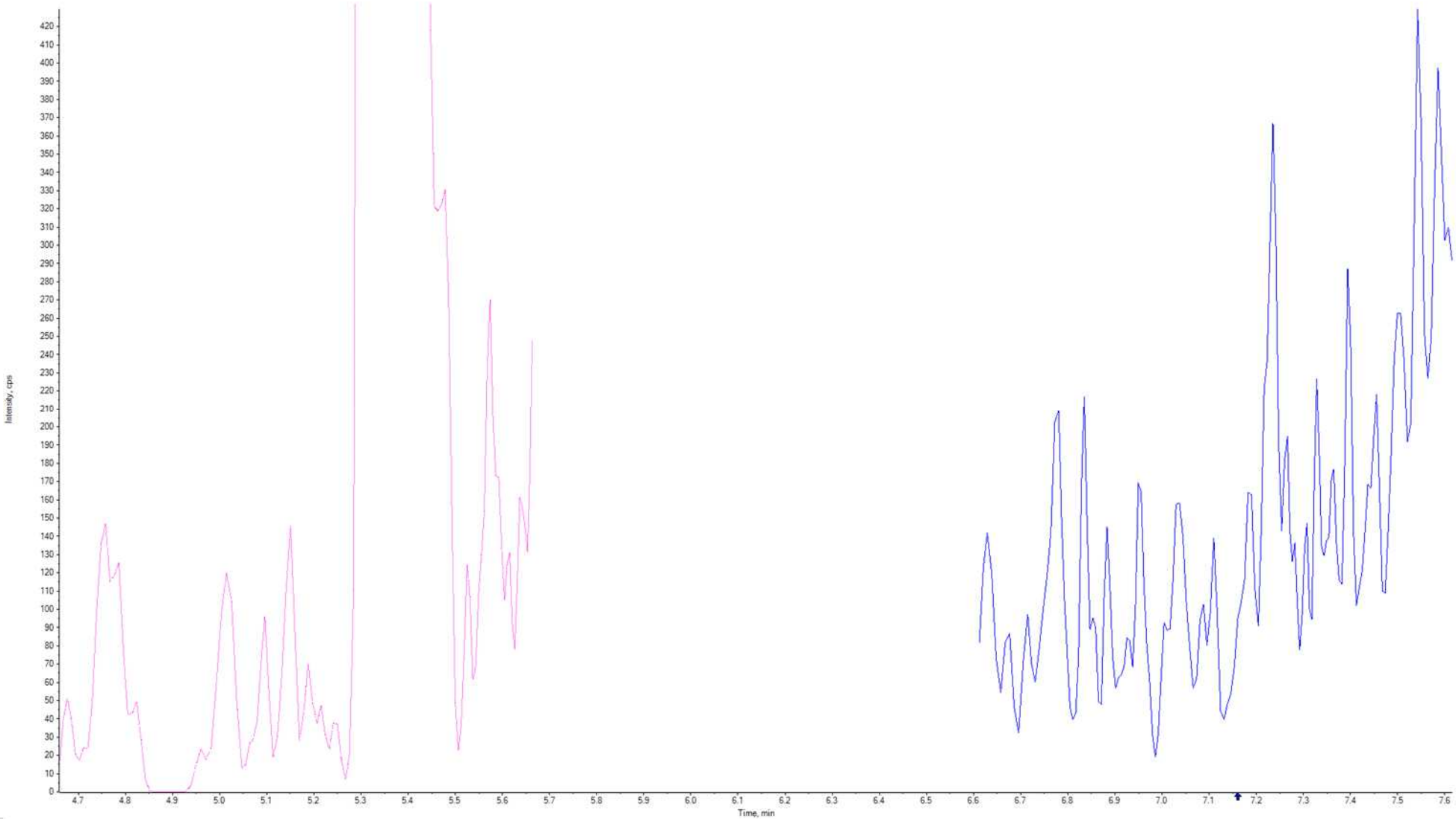

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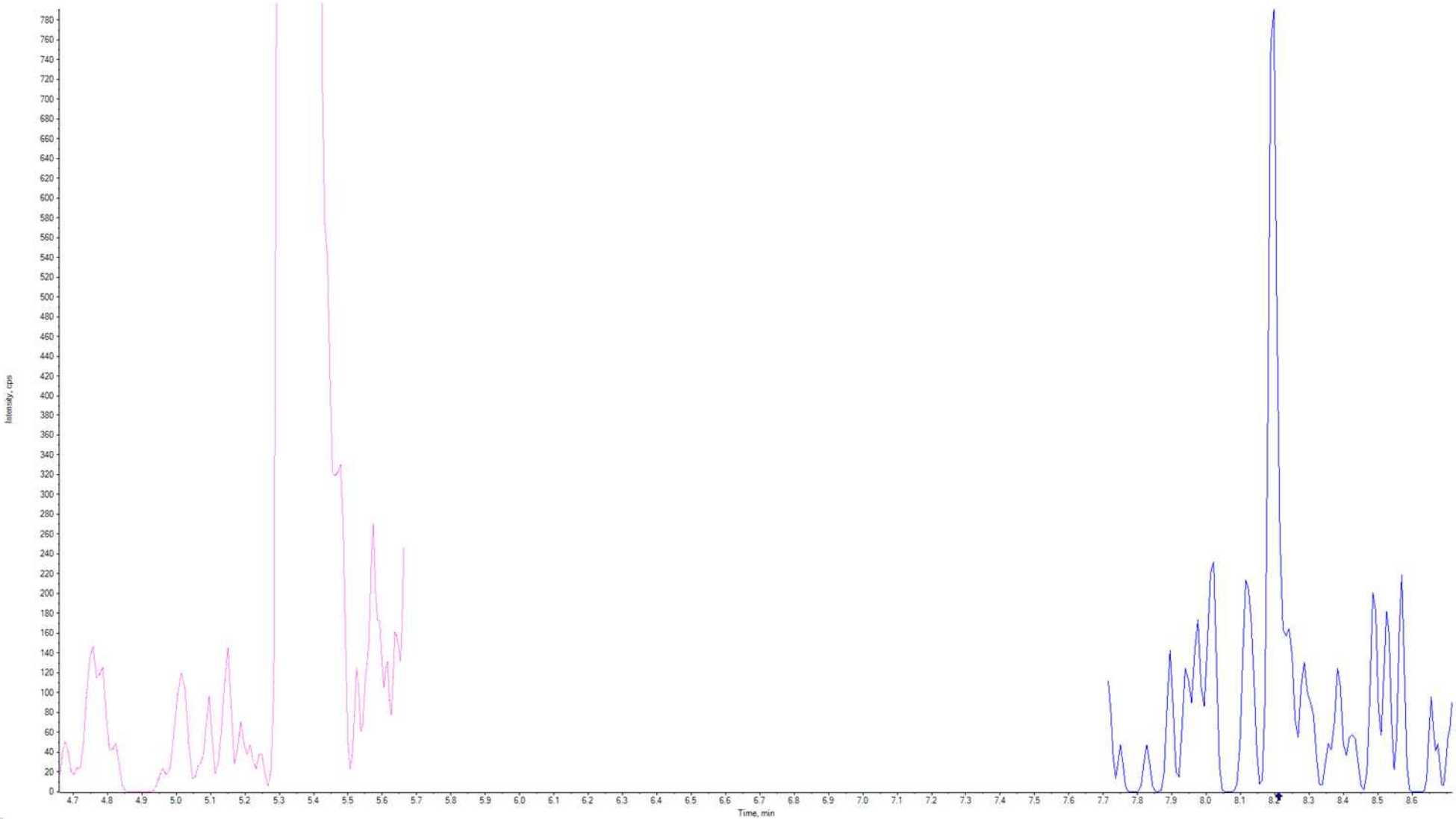

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7:3FTCA_2
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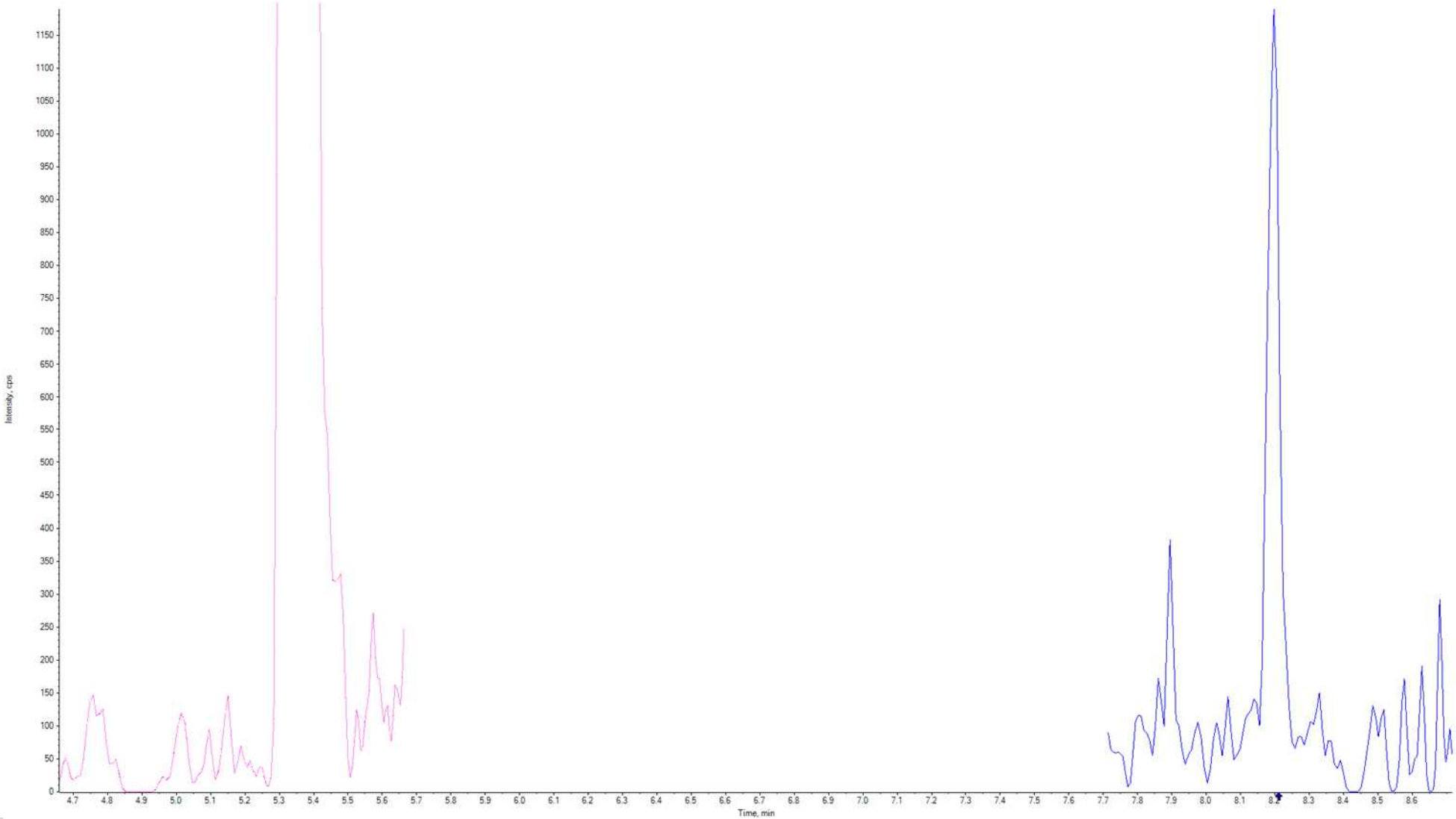

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFEESA
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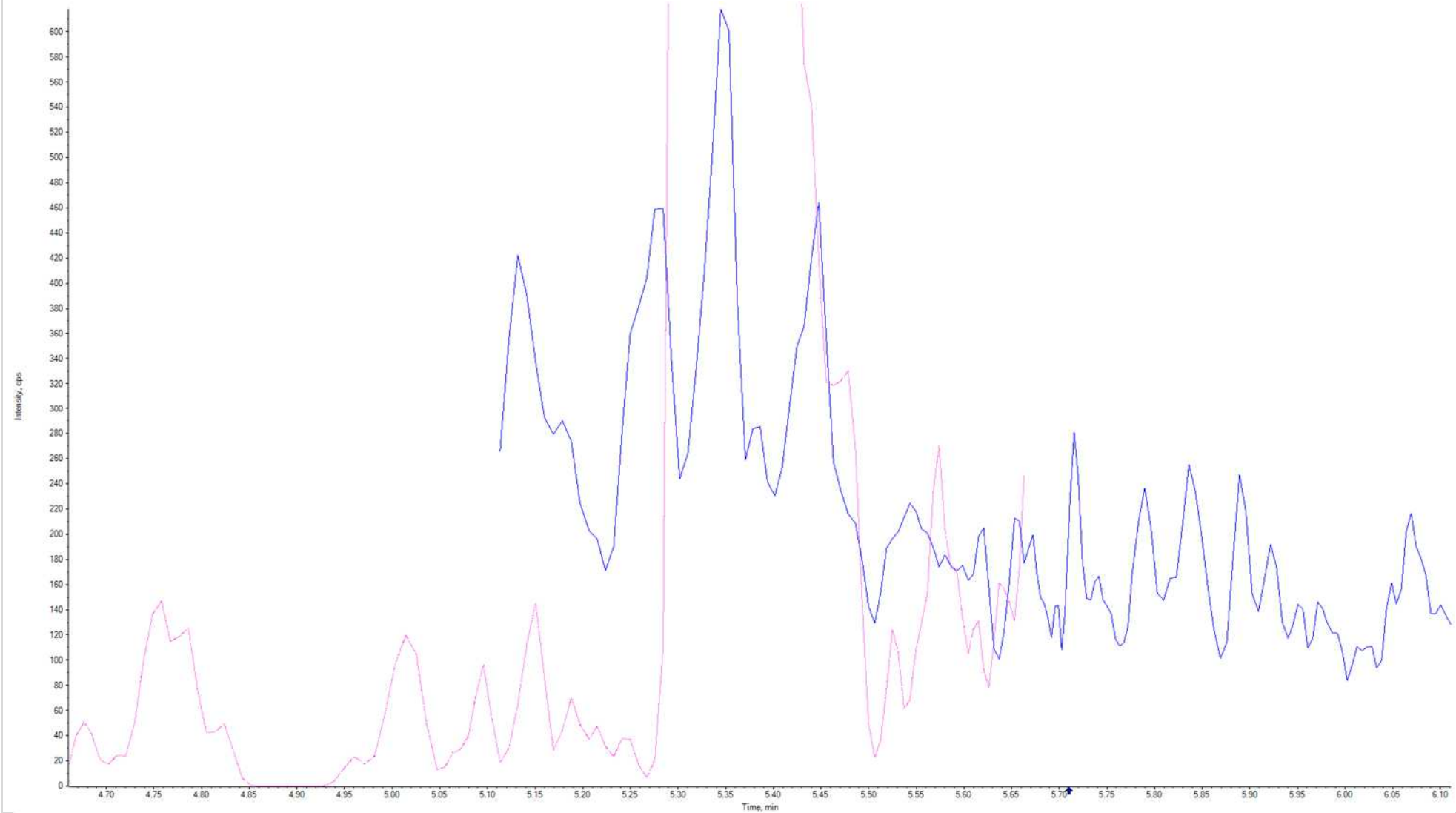

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFEESA_2
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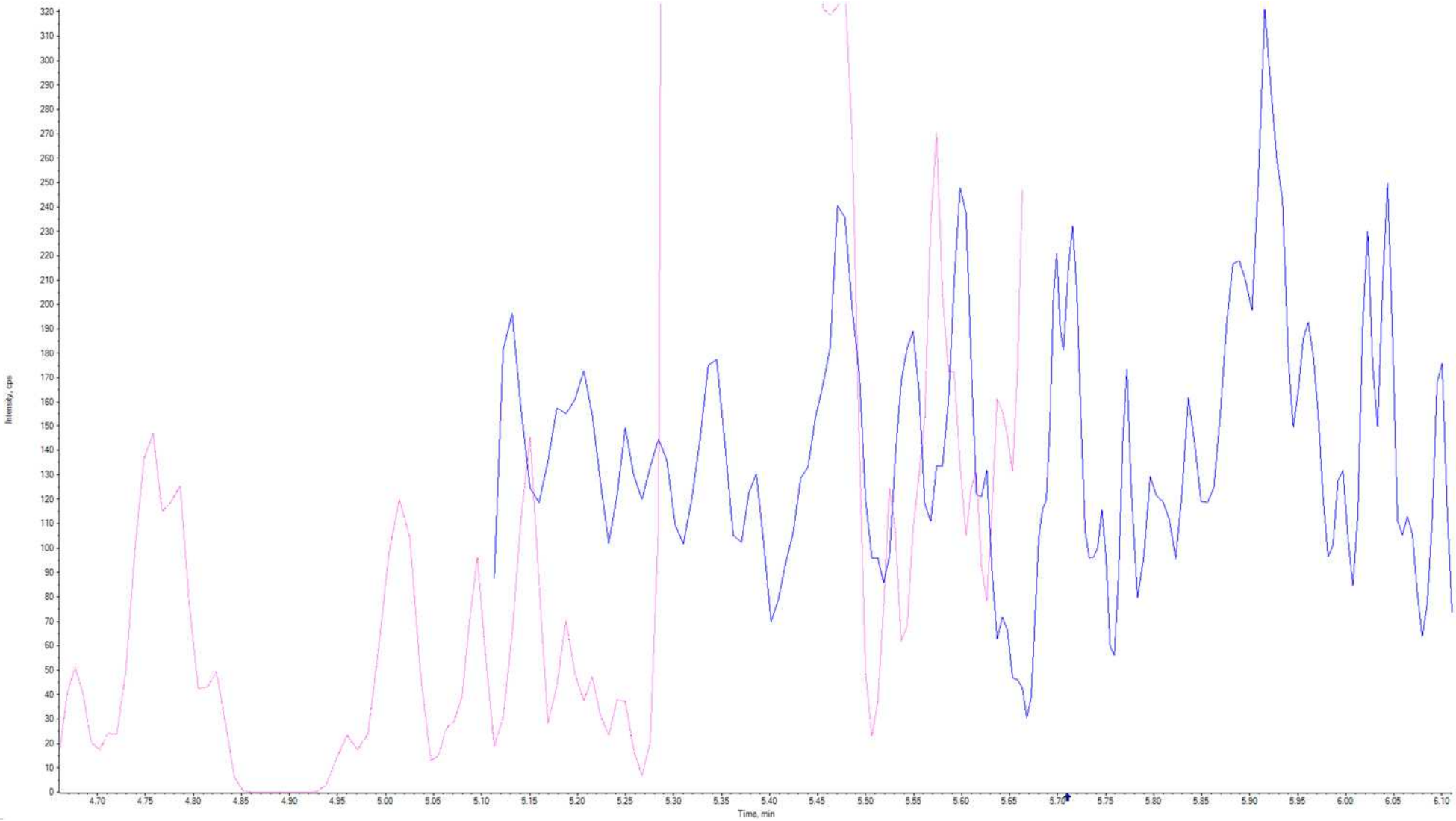

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFMPA
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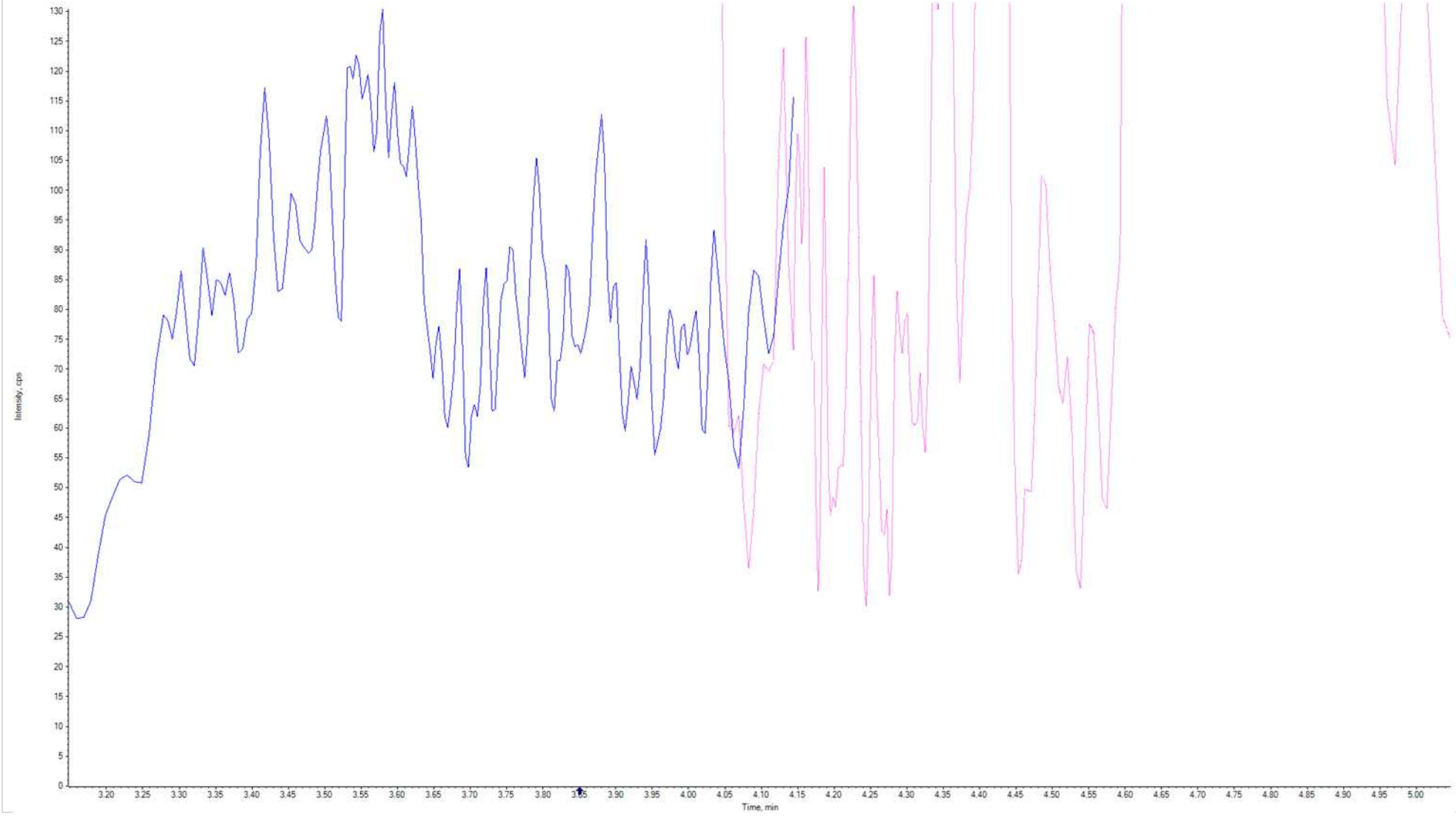

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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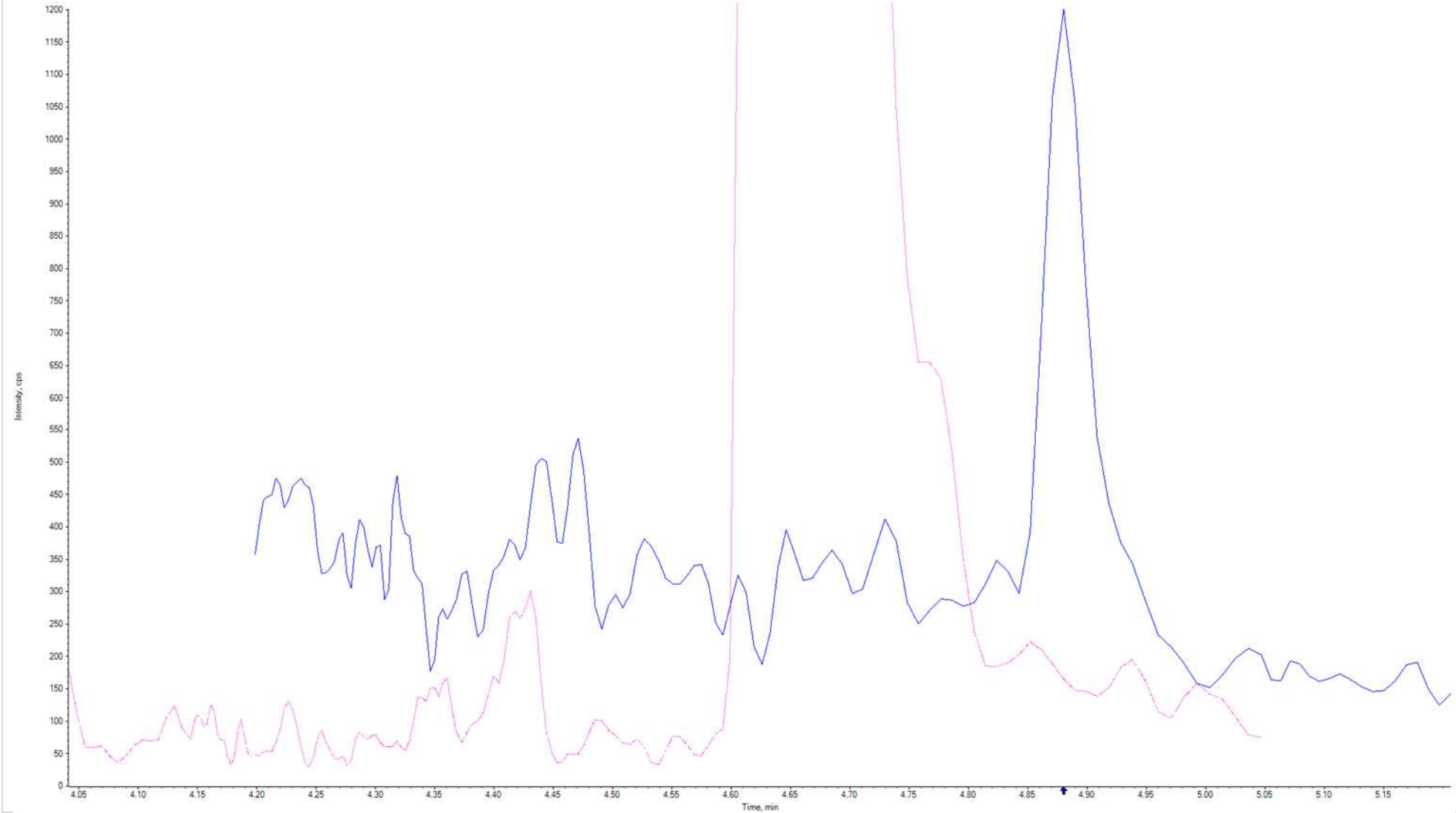

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NFDHA
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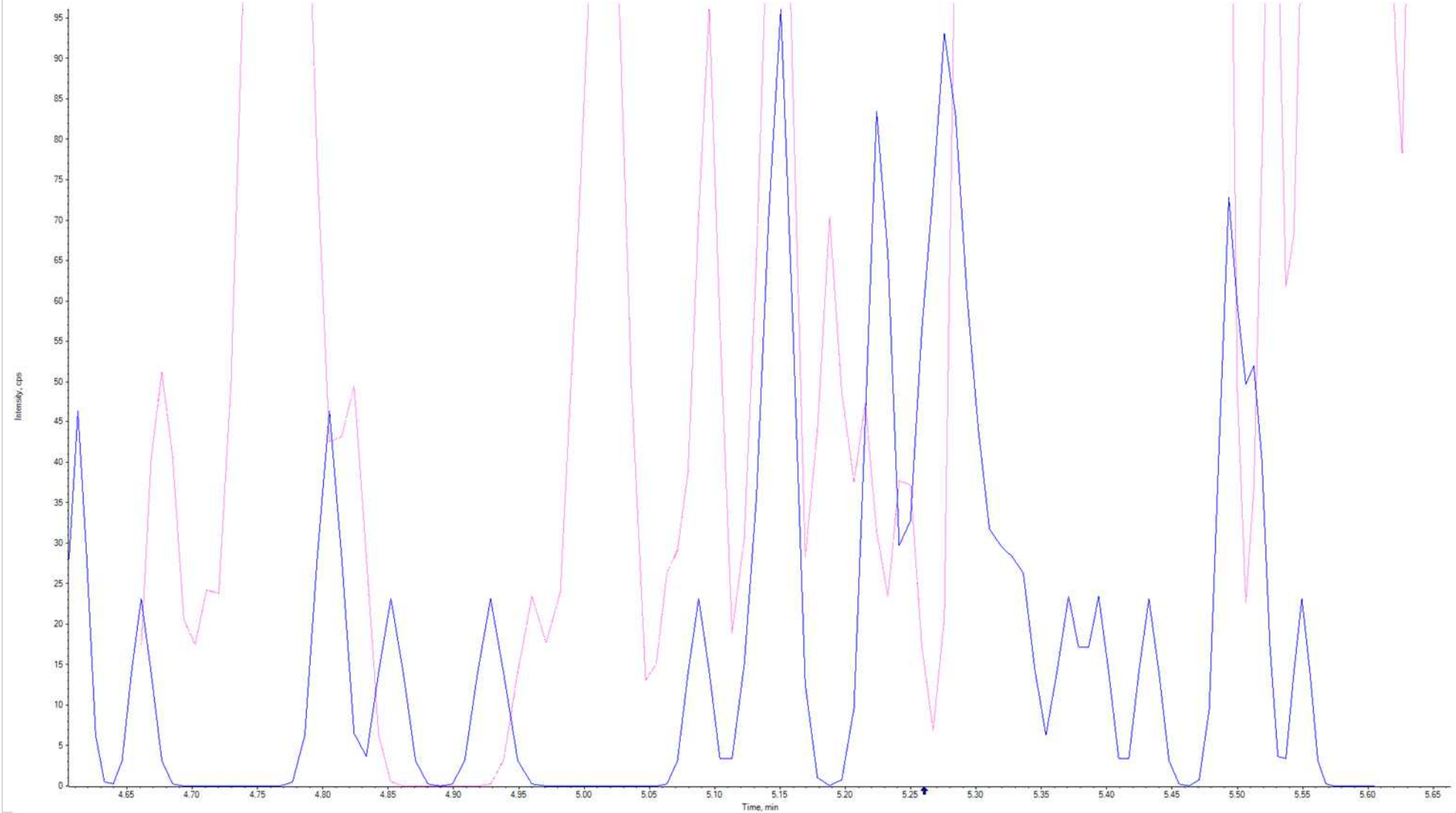

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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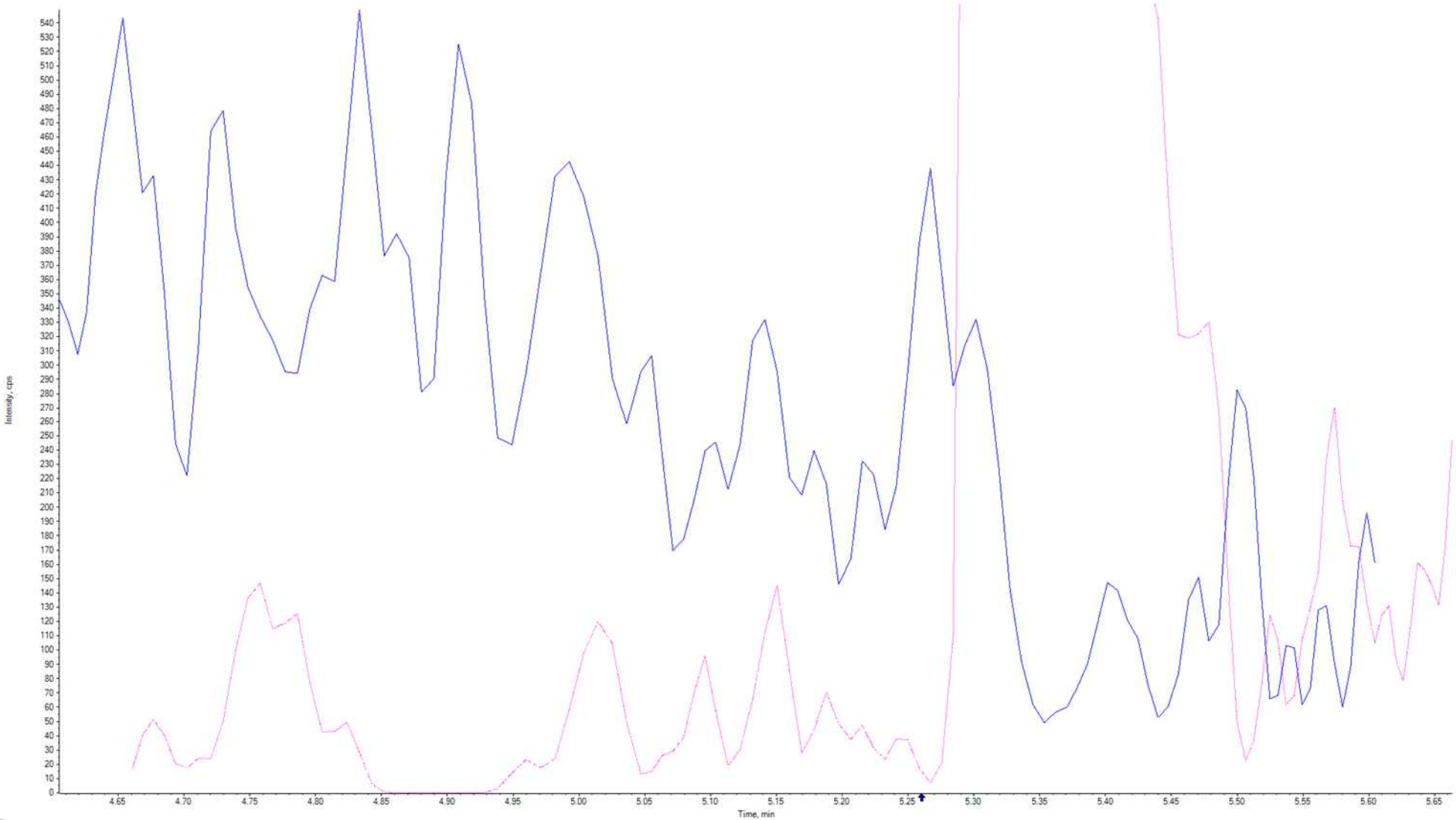
NFDHA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



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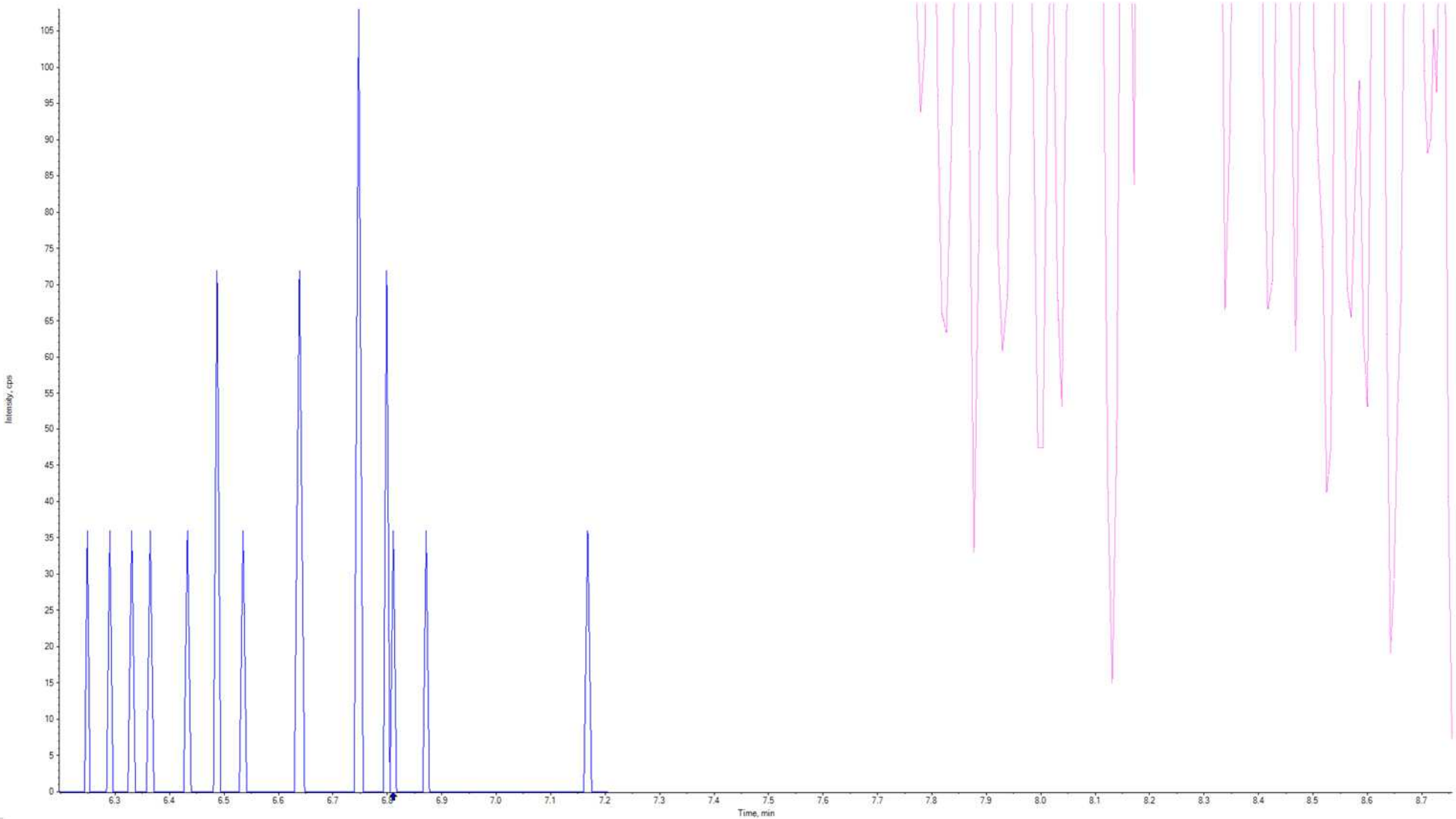
TDCA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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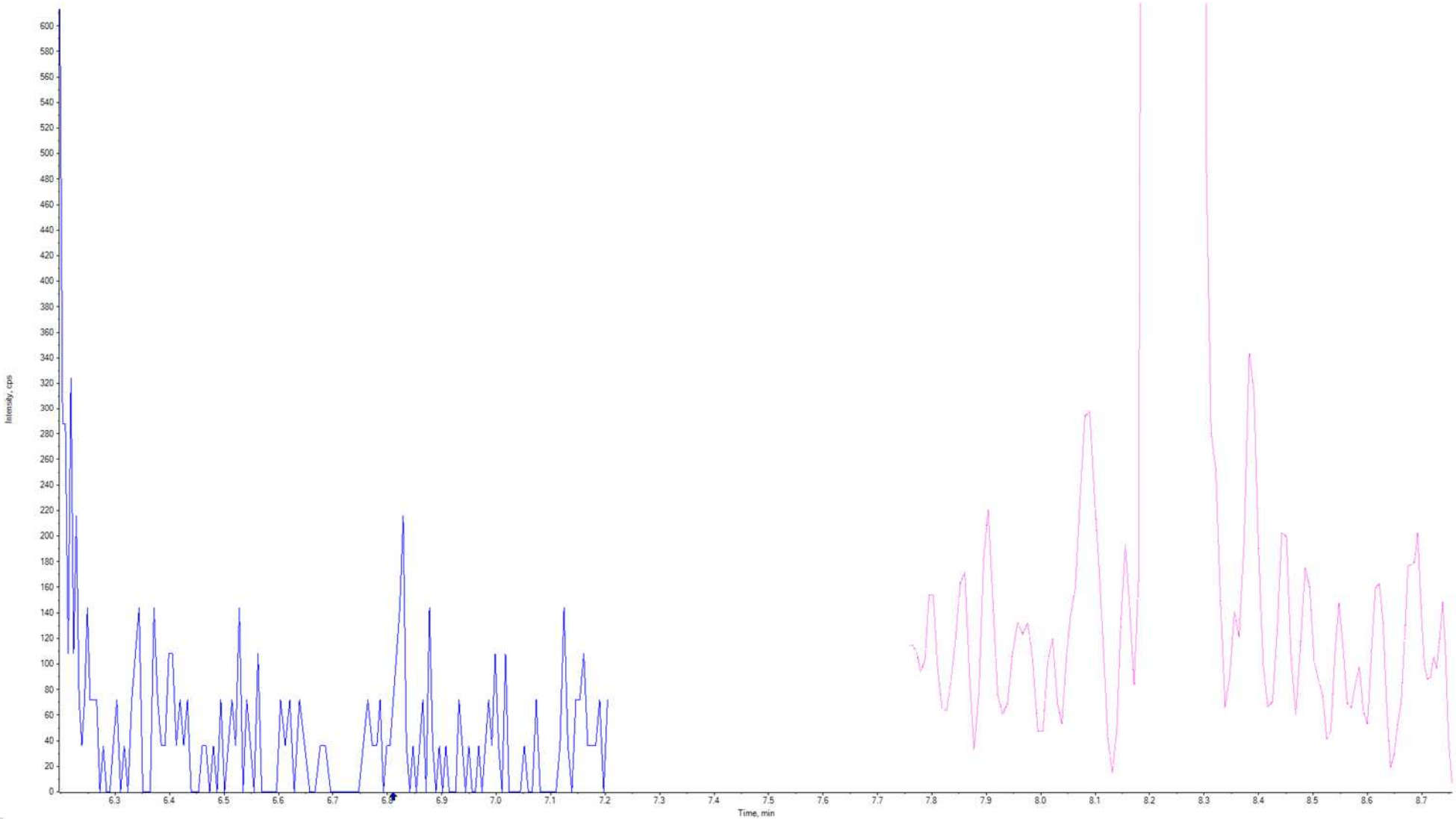
TDCA_2
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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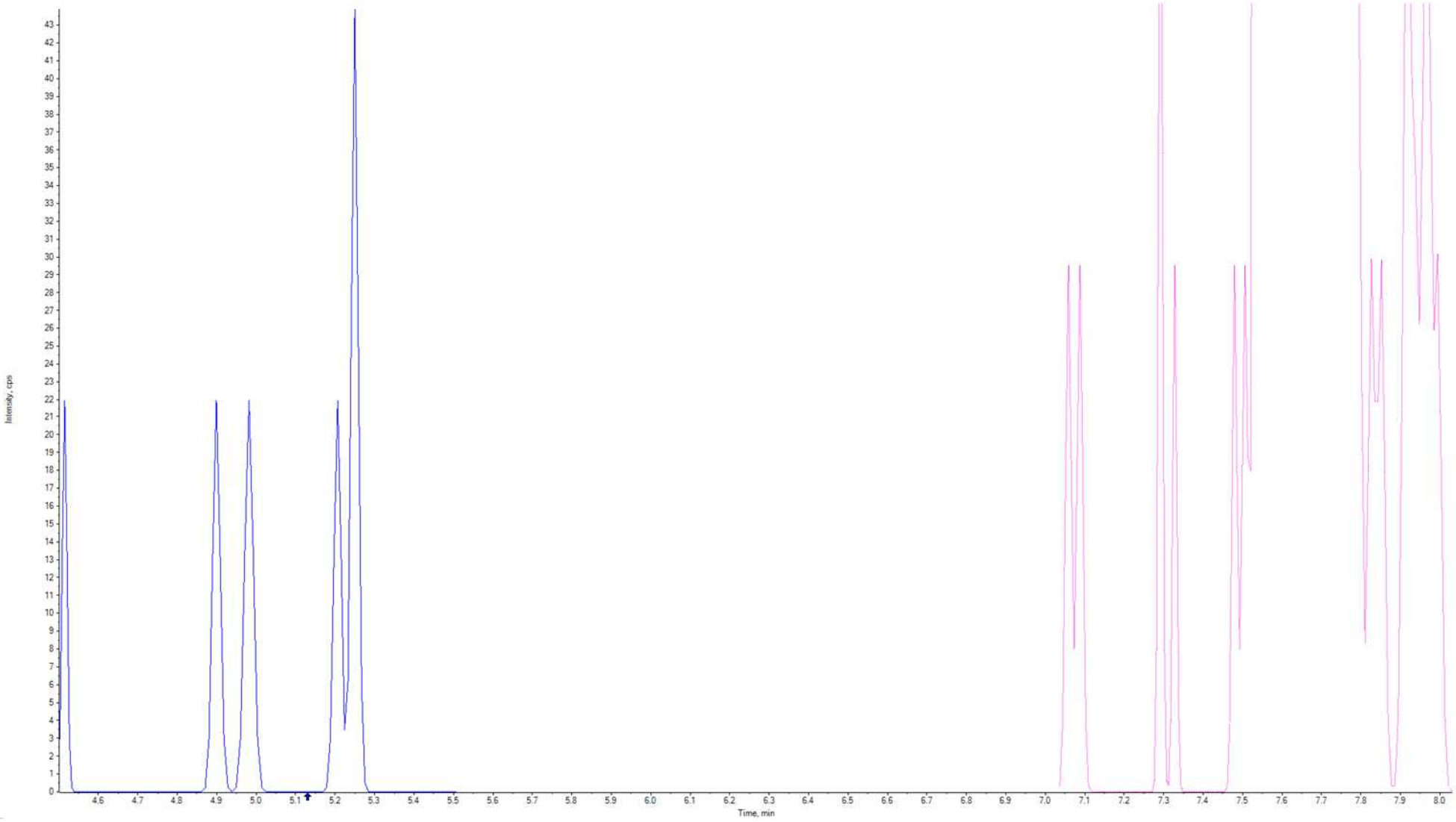
13C2D4-4:2FTS
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



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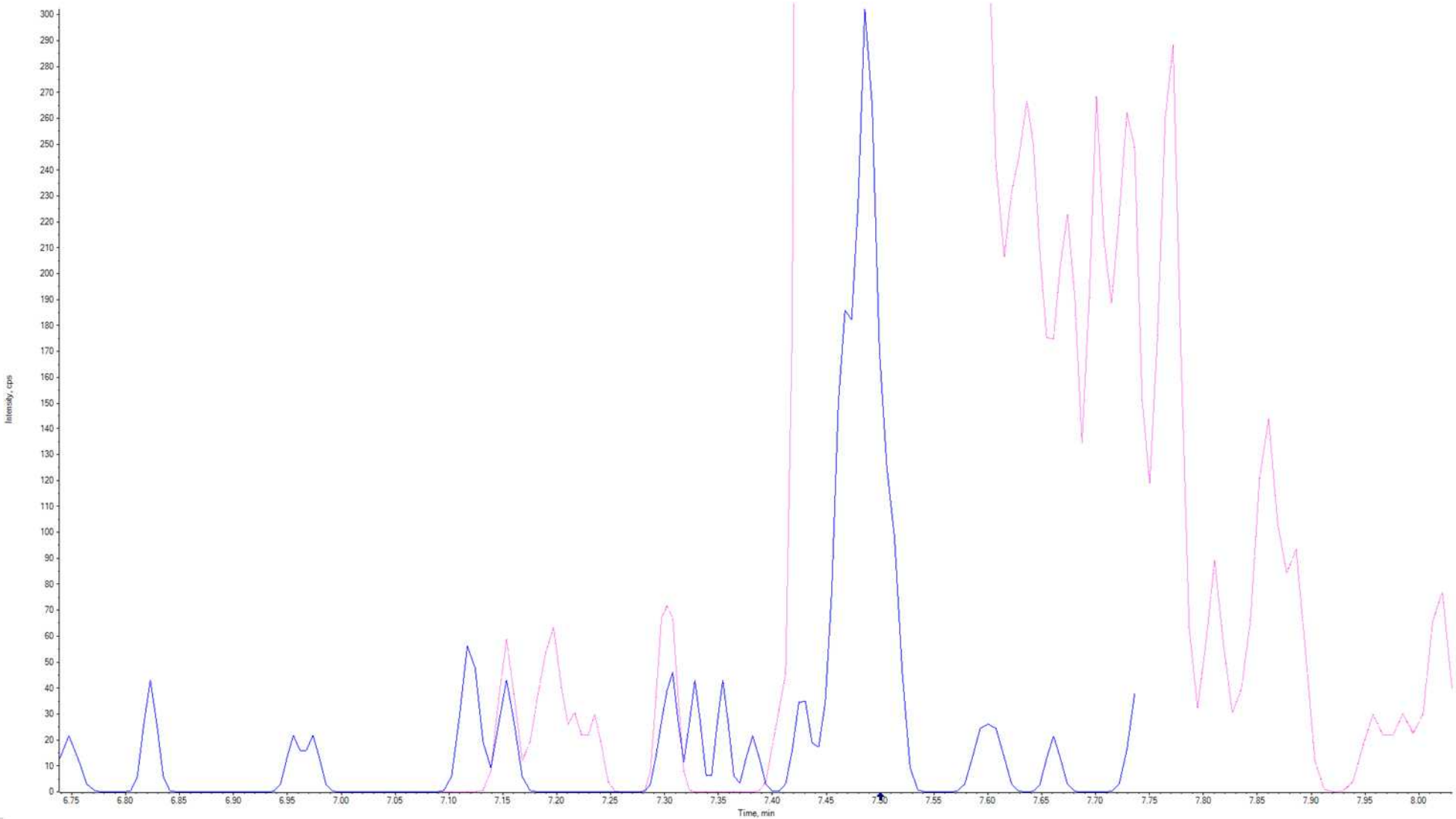
13C2-PFOA
Sample: L2447890-02 S/N:N/A Points Across peak:N/A



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13C4-PFBA
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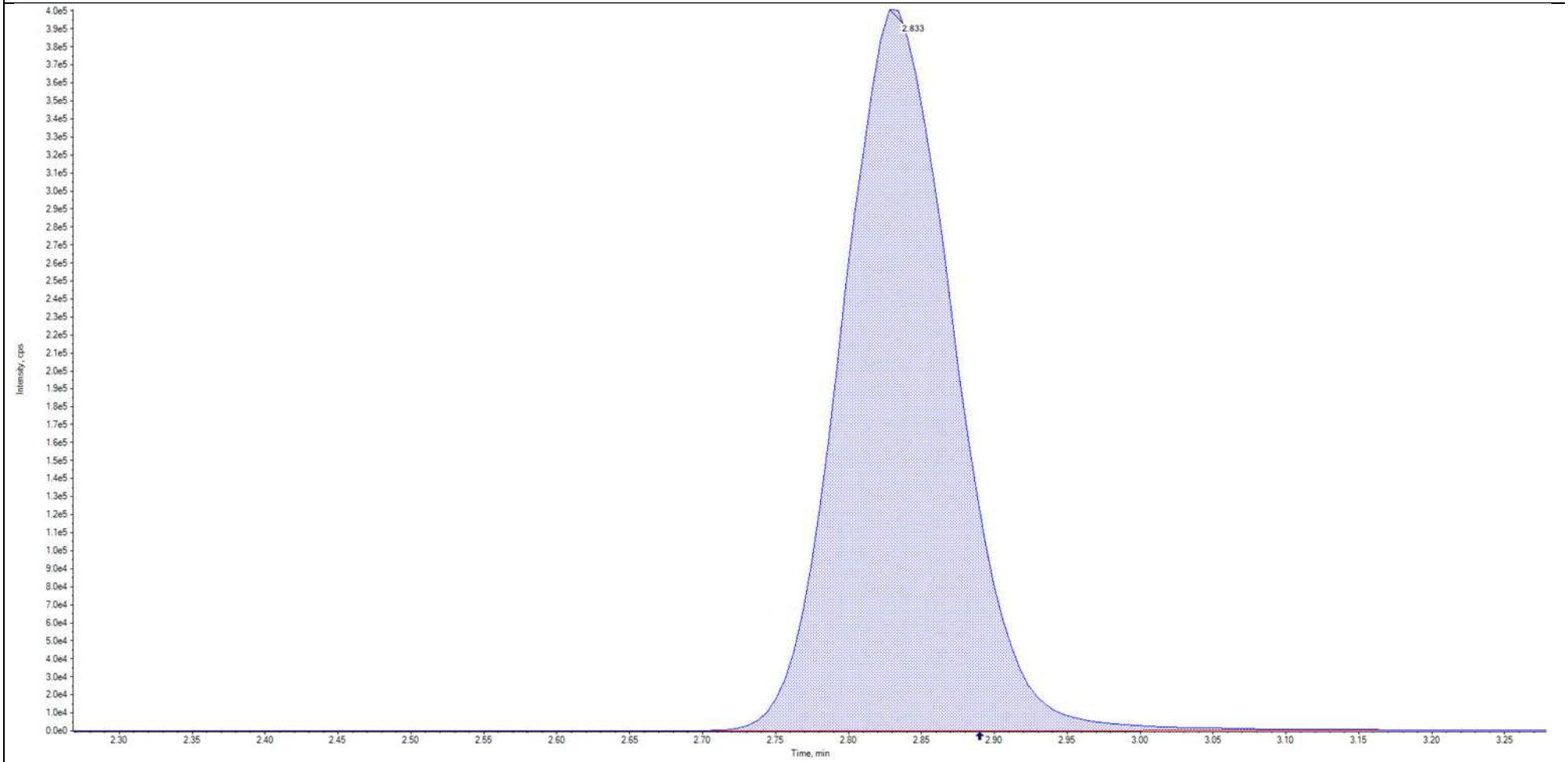

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13C5-PFPeA
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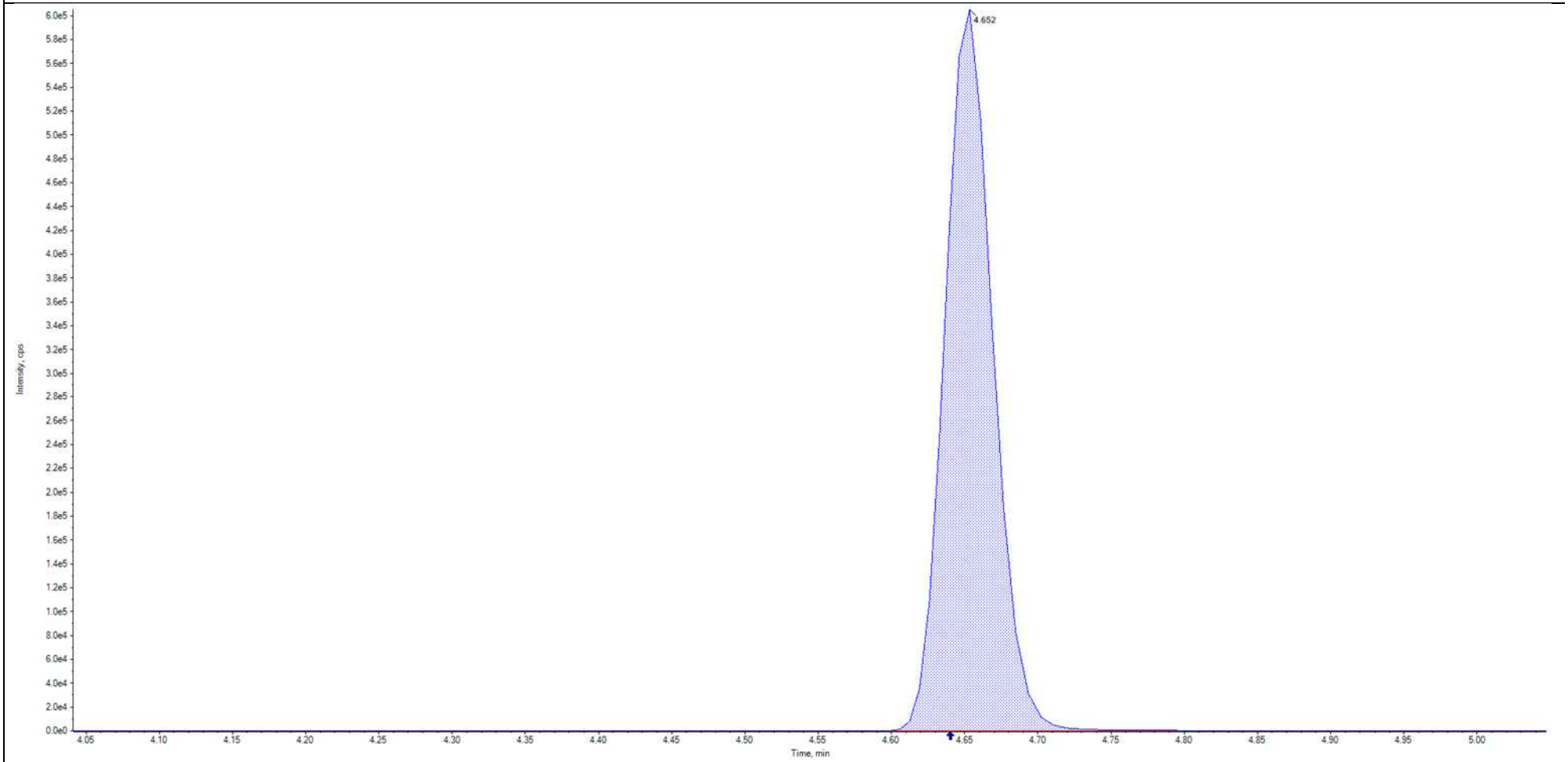

13C5-PFHxA
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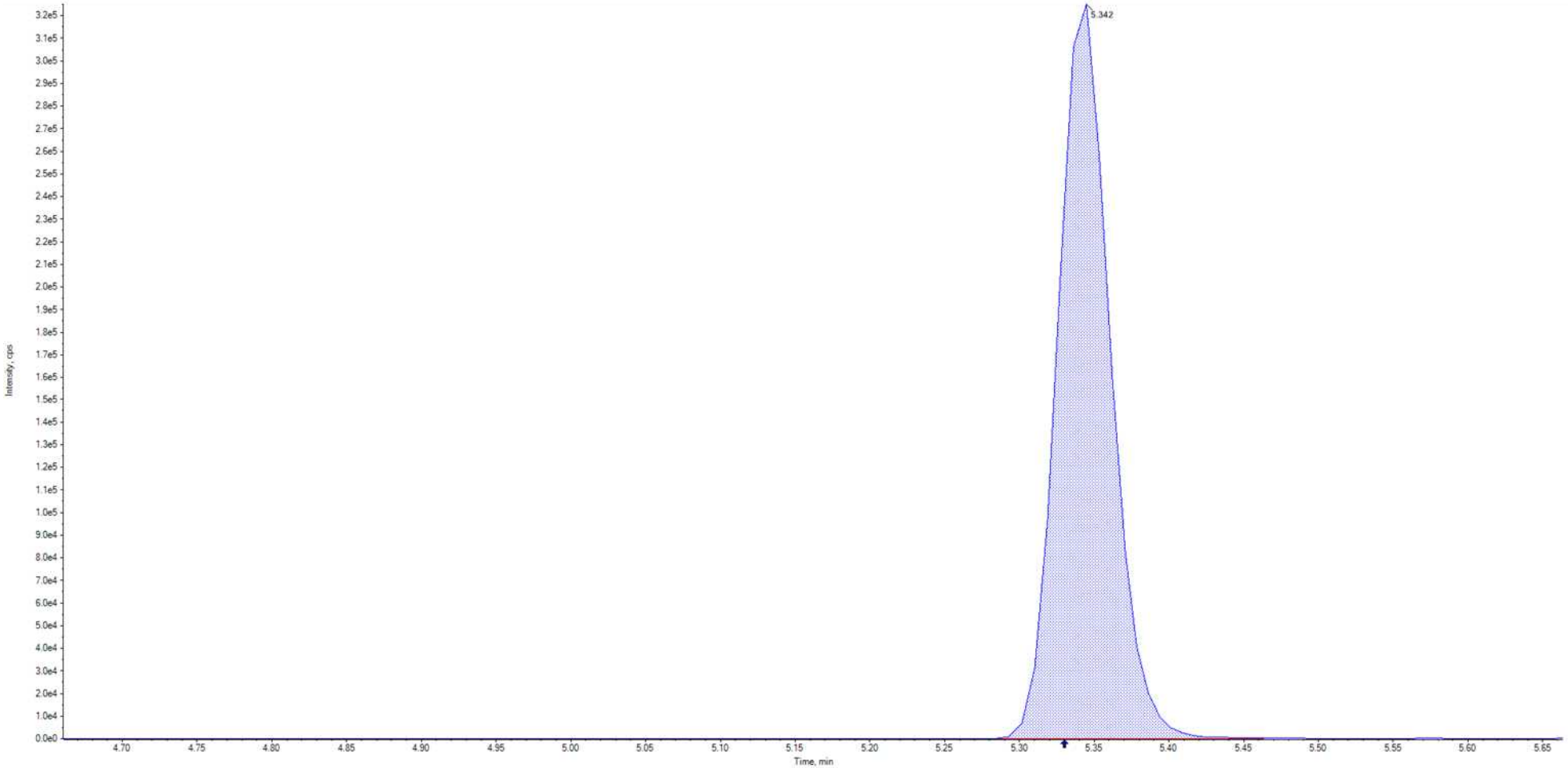

13C4-PFHpA
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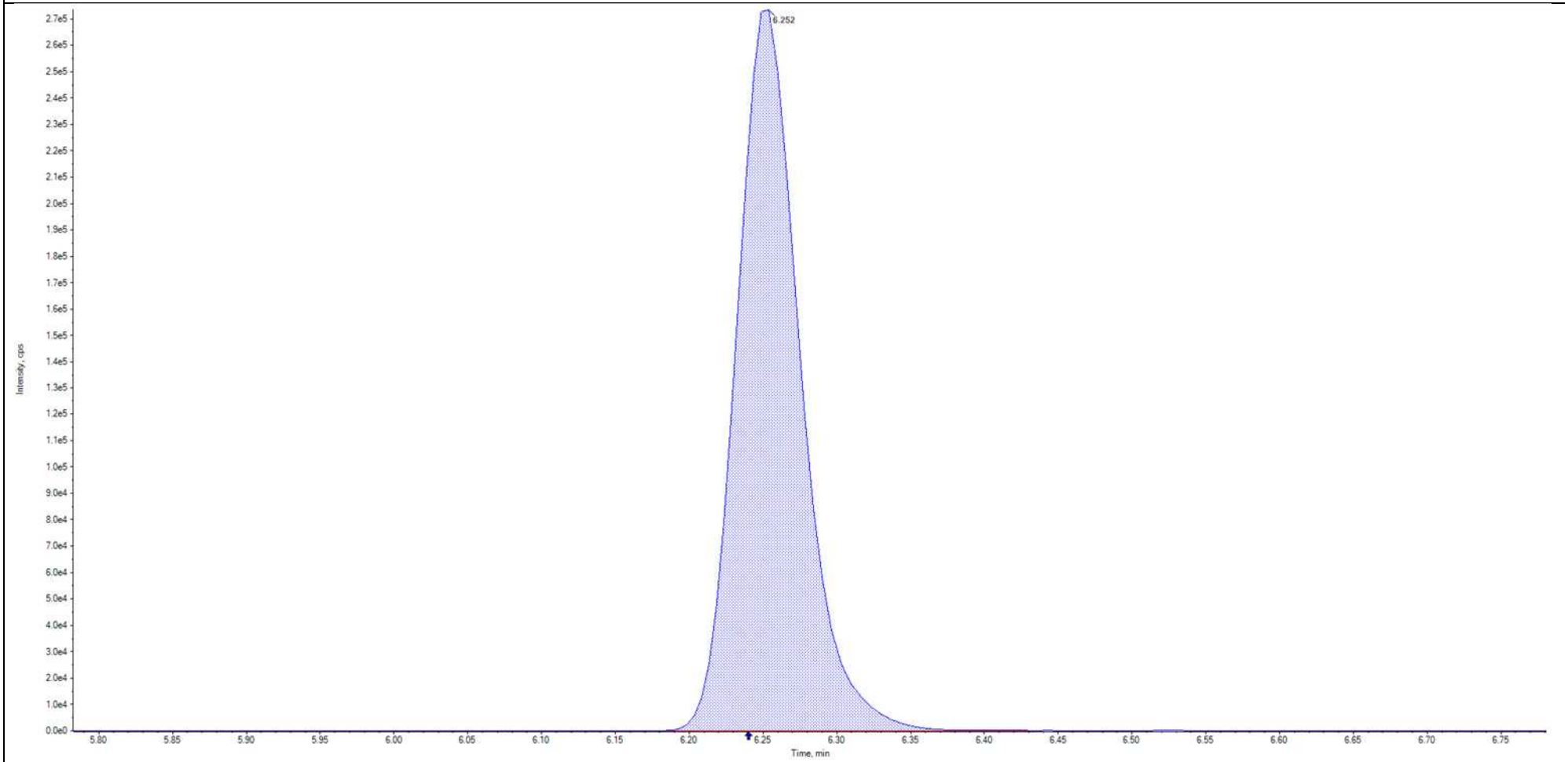
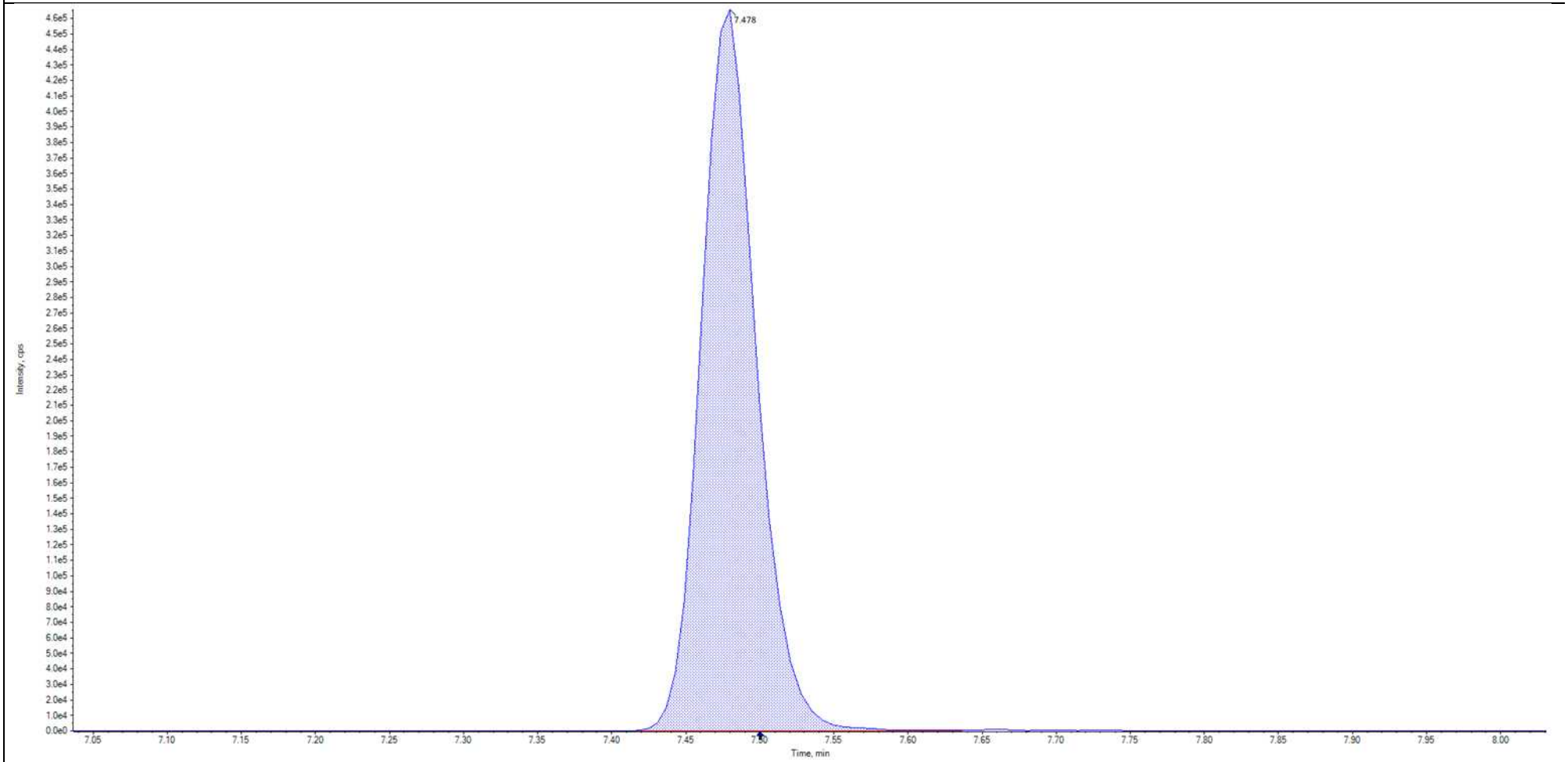


13C8-PFOA
Sample: L2447890-02



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C9-PFNA
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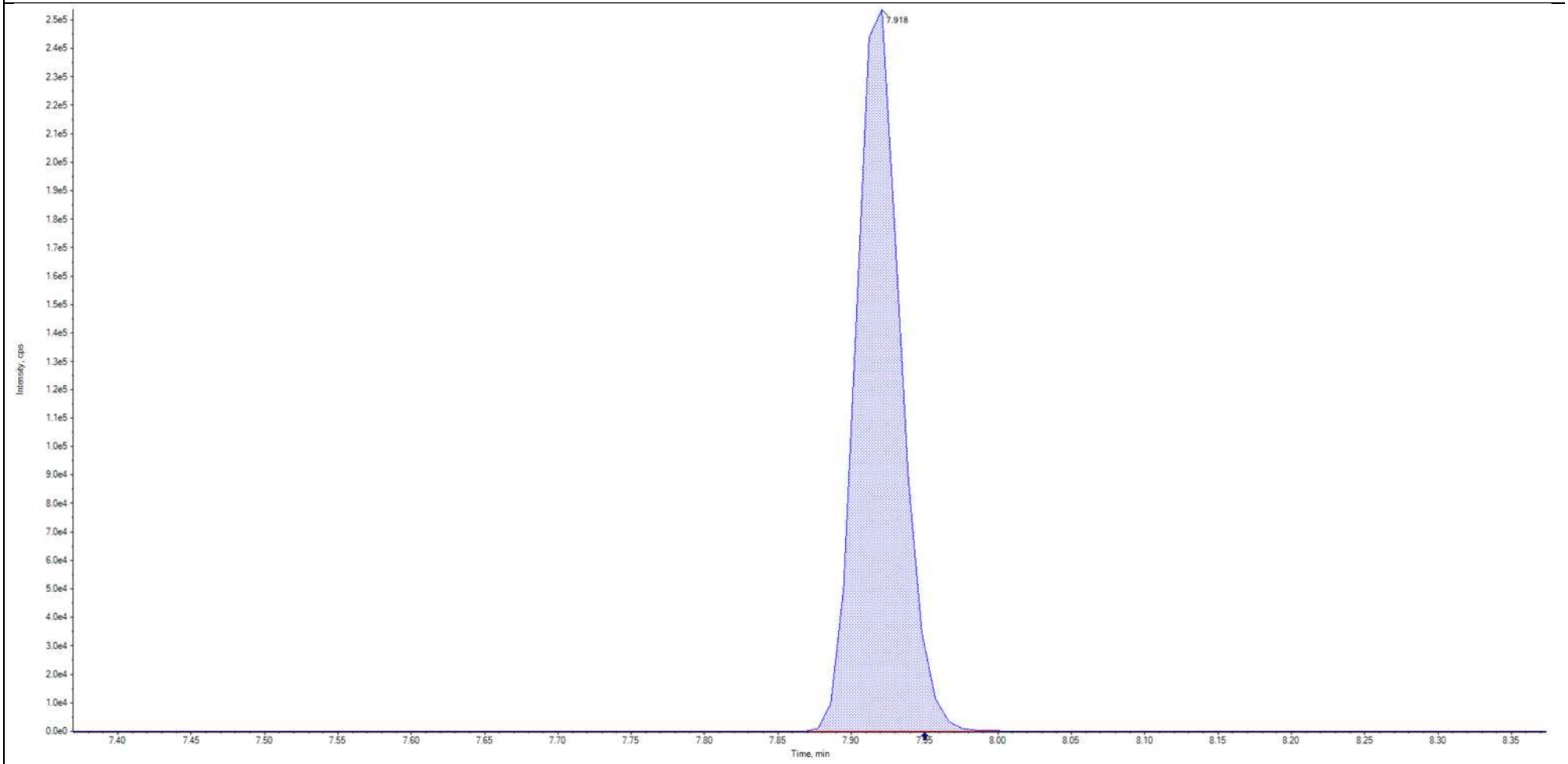

13C6-PFDA
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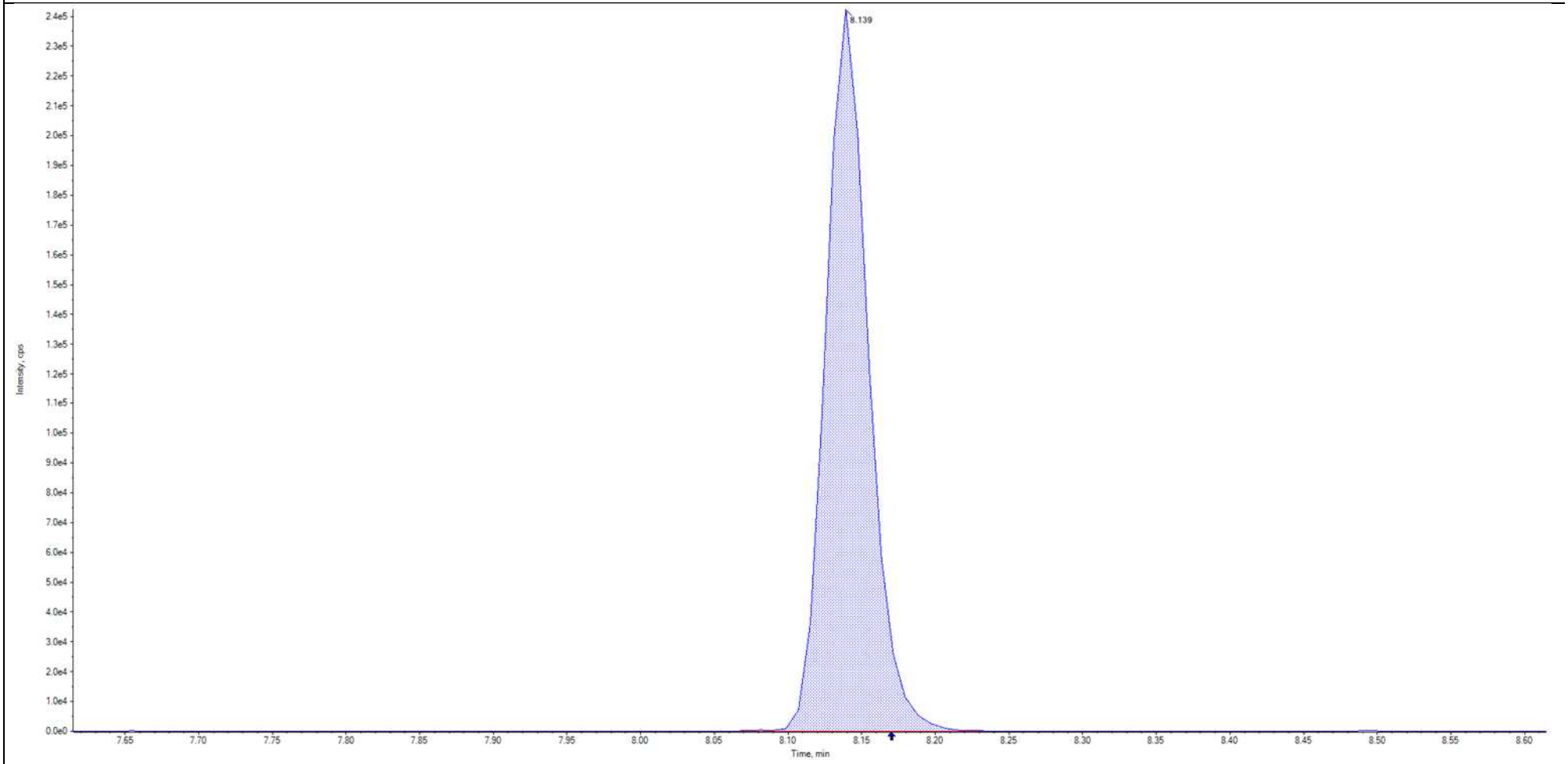
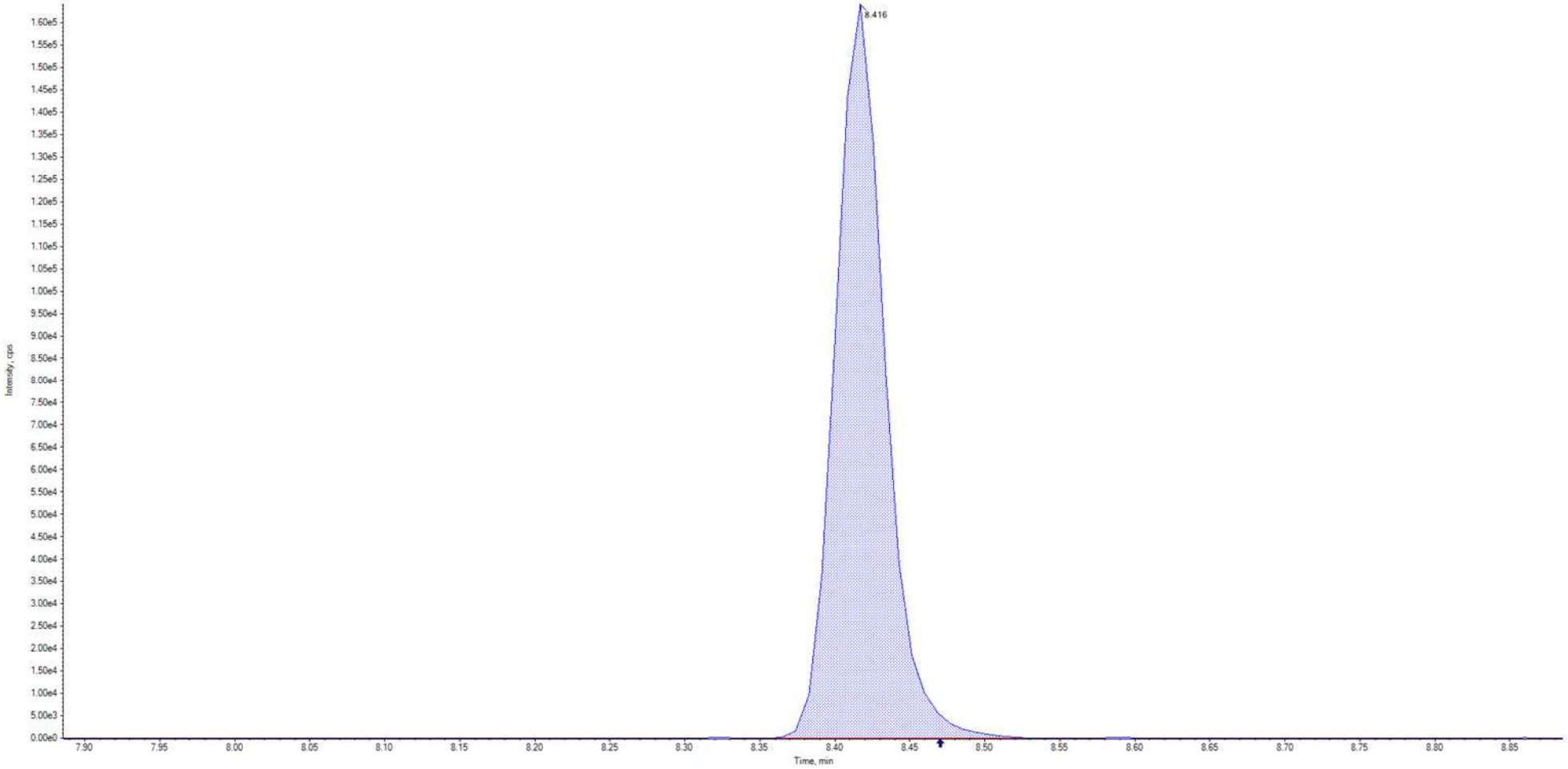


13C7-PFUnA
Sample: L2447890-02



13C2-PFDoA
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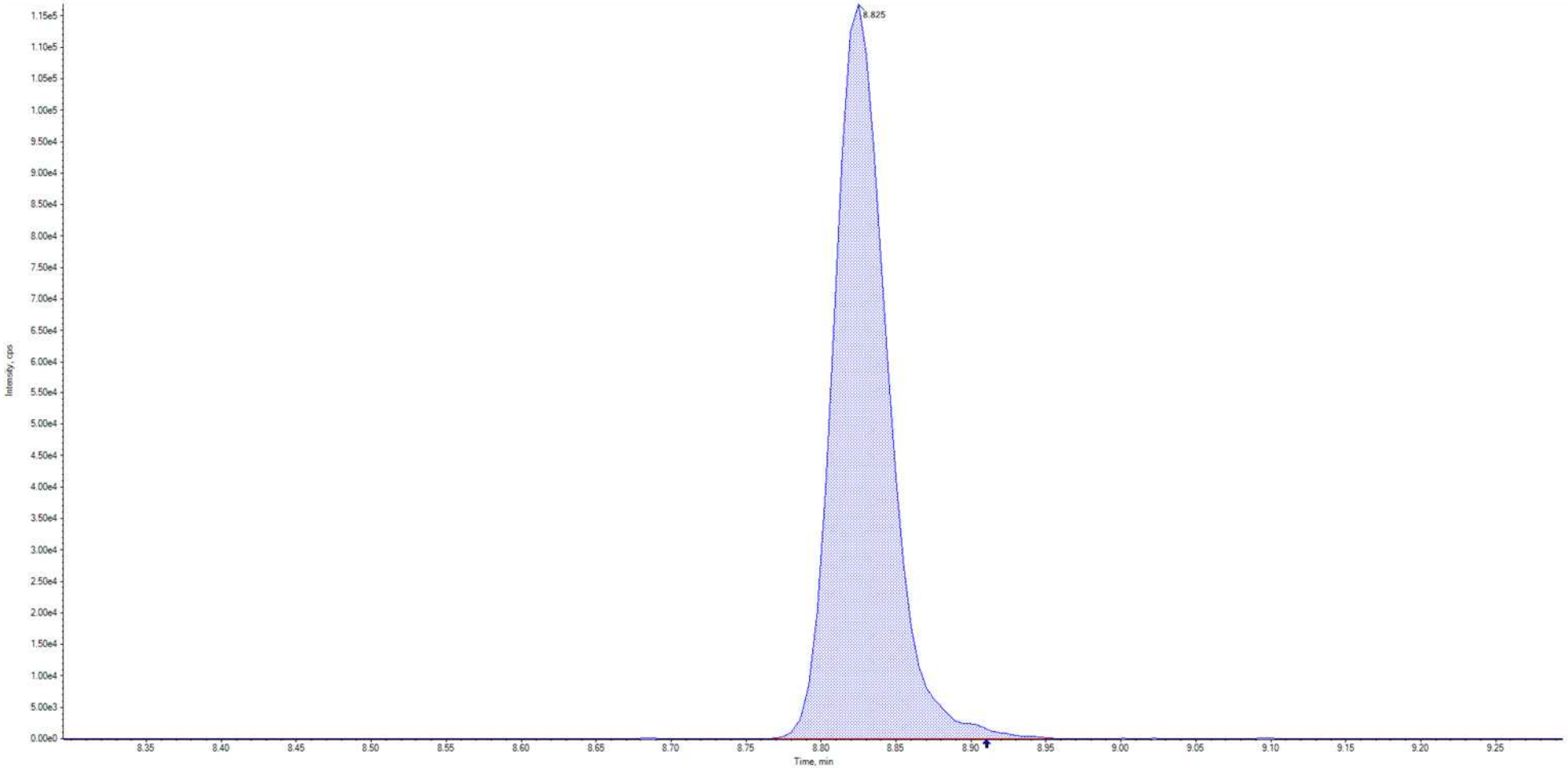

13C2-PFTeDA
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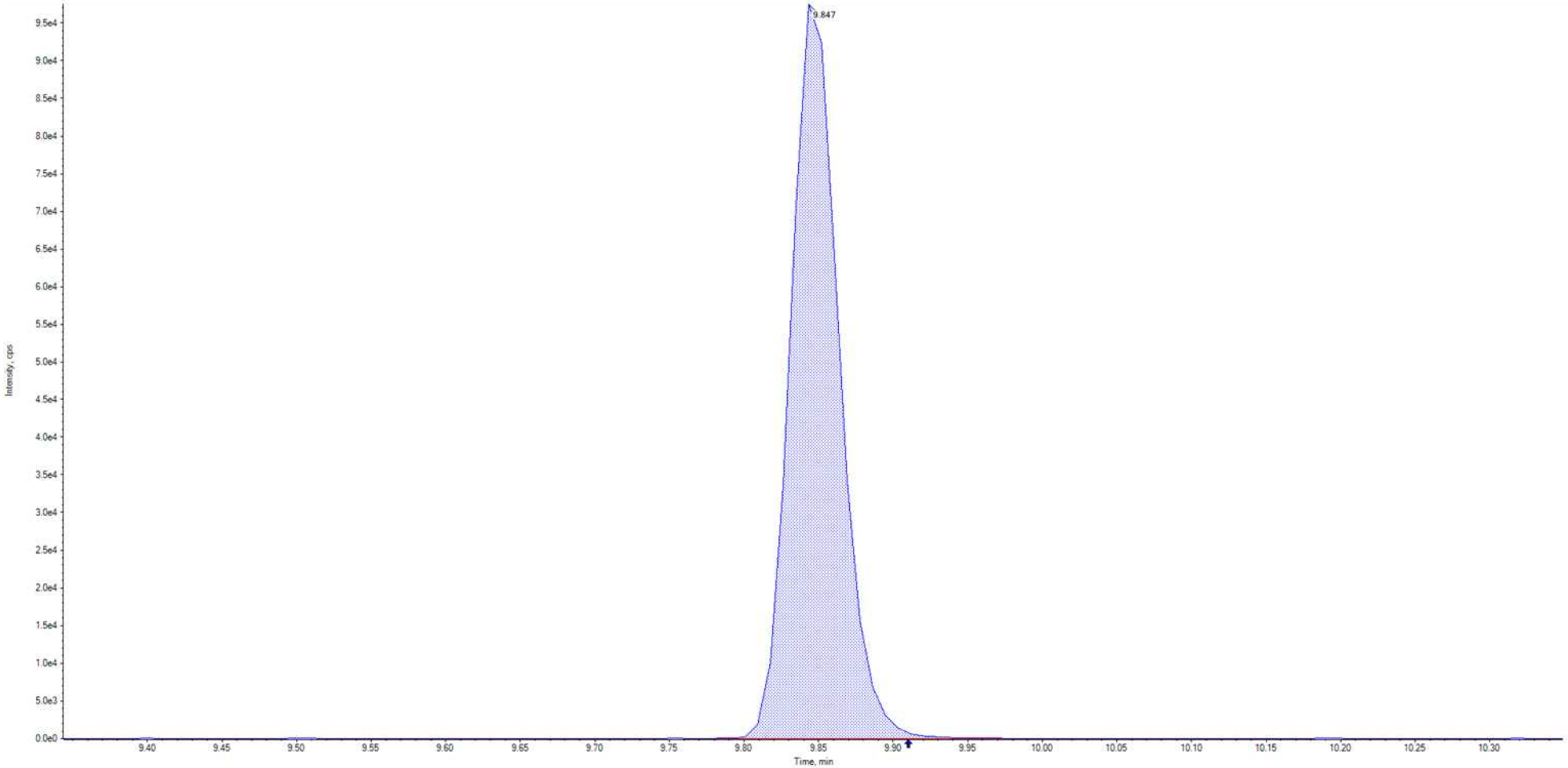
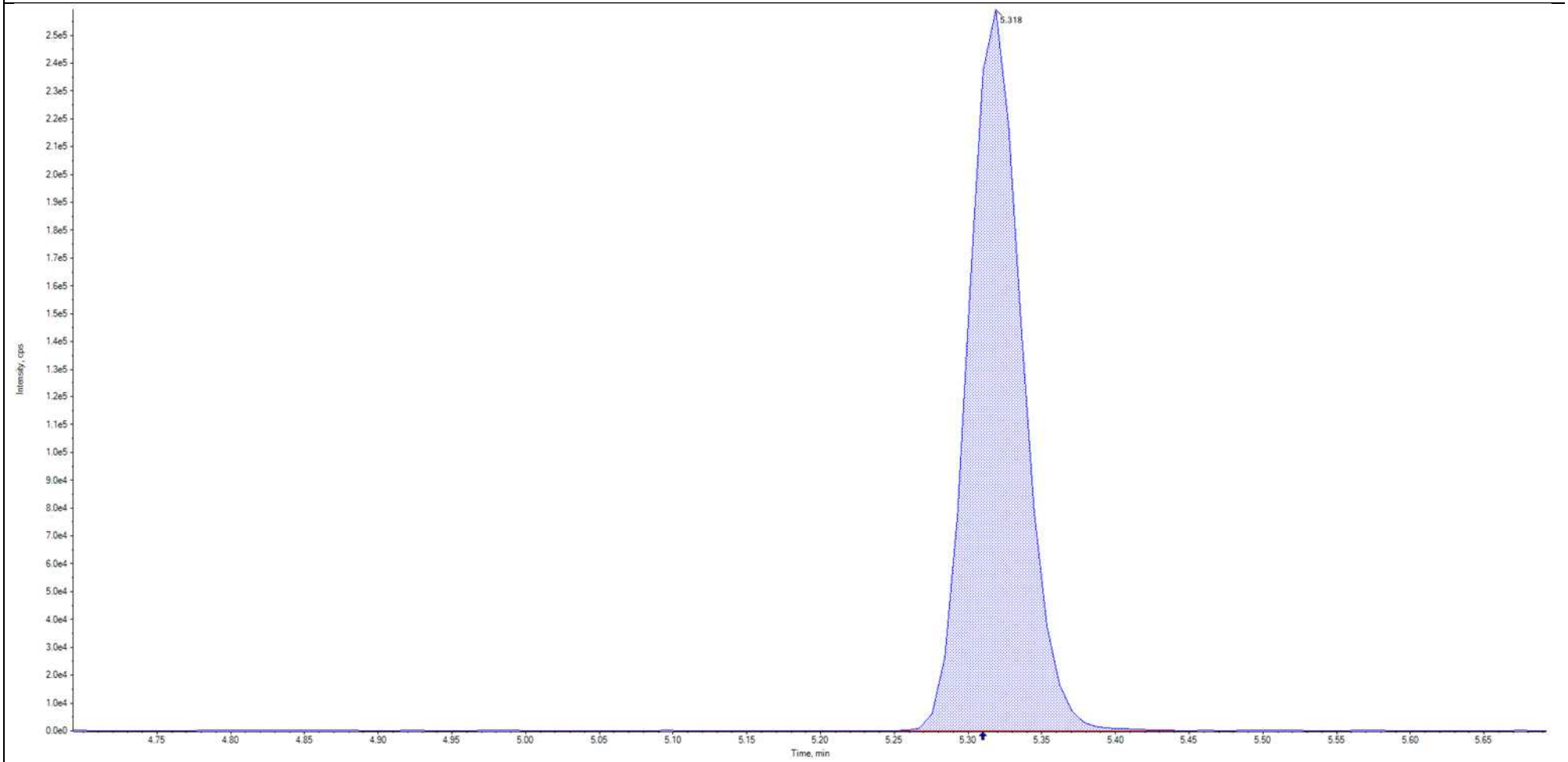
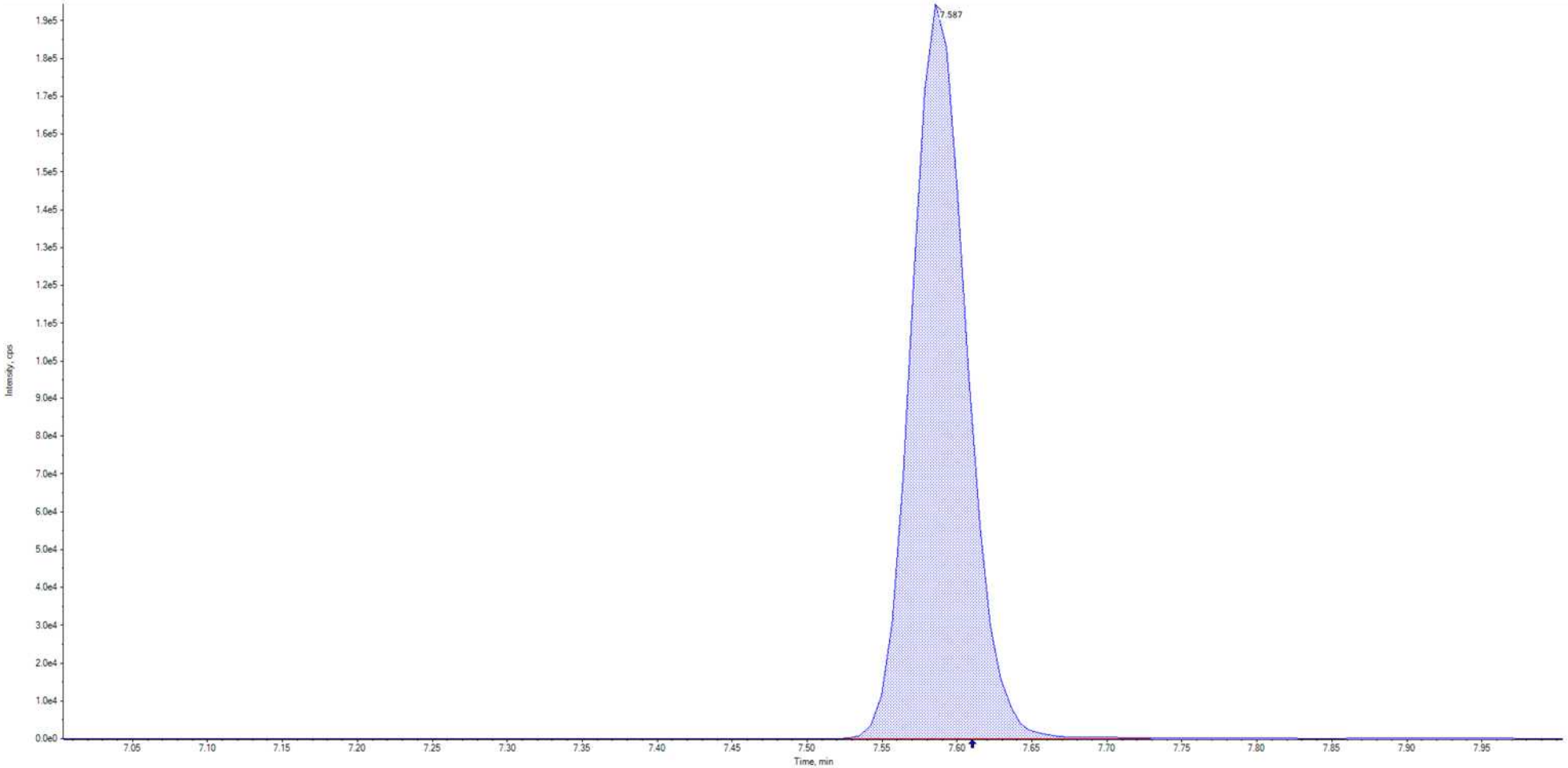


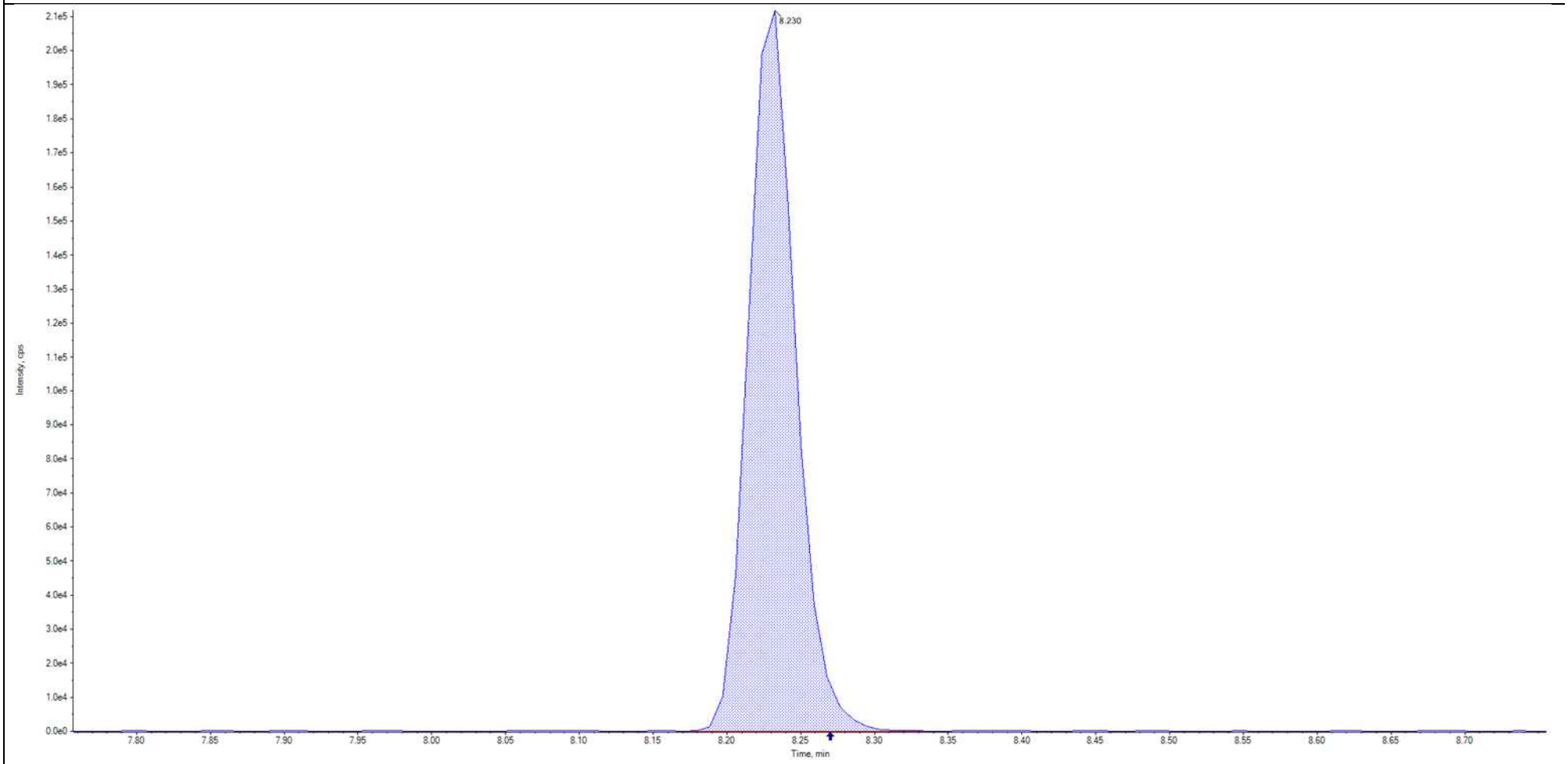
13C3-PFBS
Sample: L2447890-02



13C3-PFHxS
Sample: L2447890-02



13C8-PFOS
Sample: L2447890-02



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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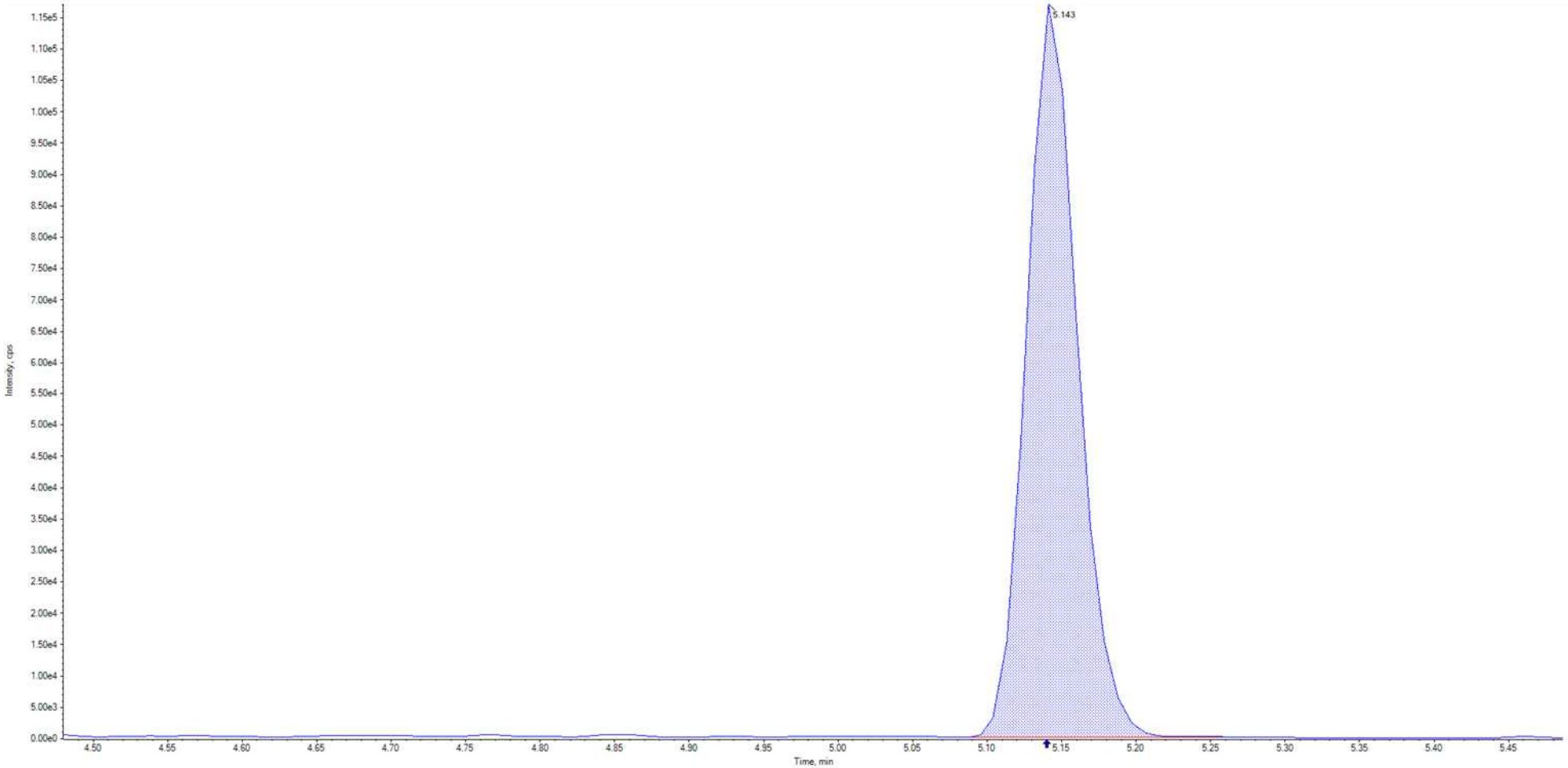
13C2-4:2FTS
Sample: L2447890-02



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13C2-6:2FTS
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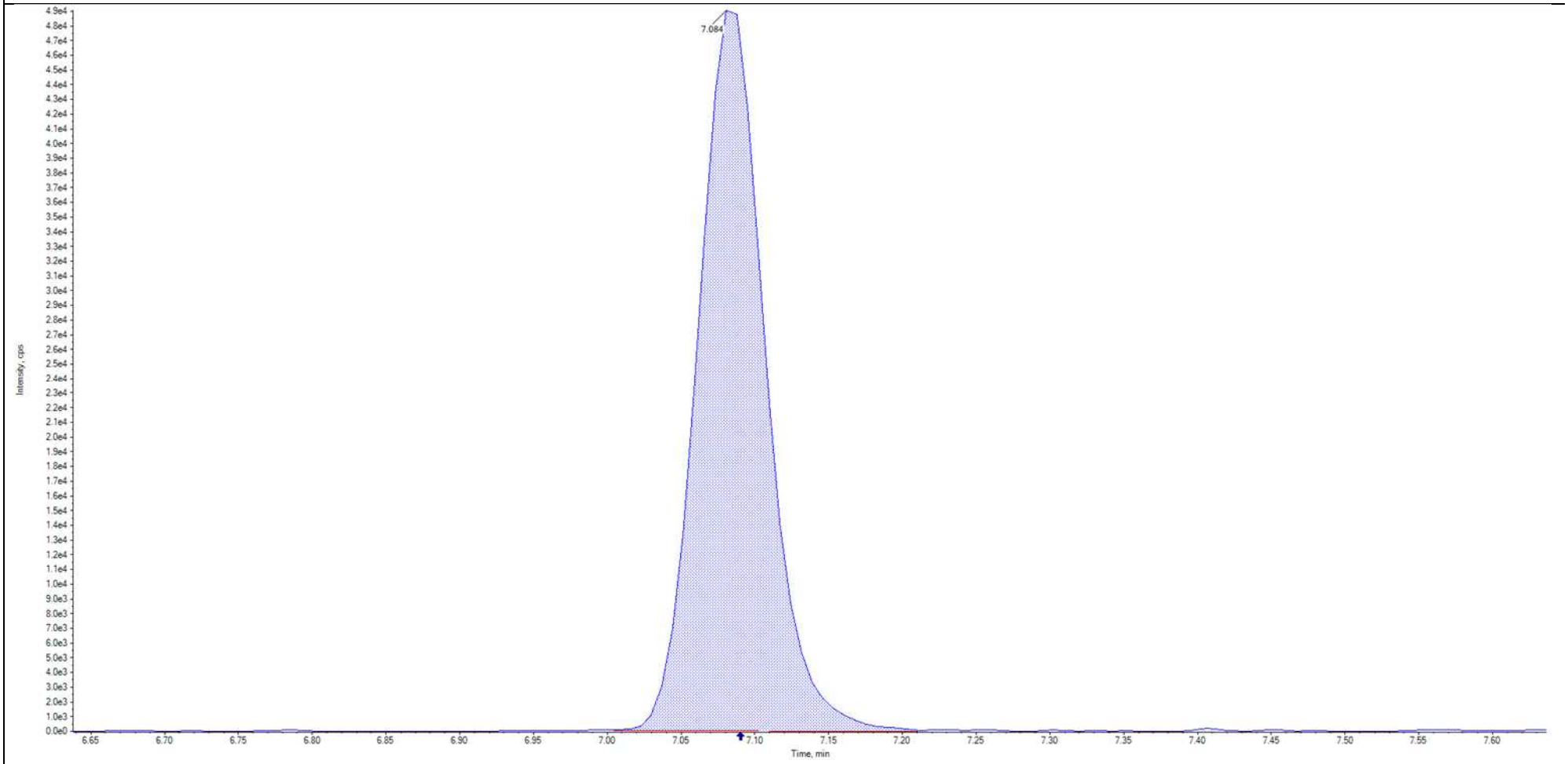
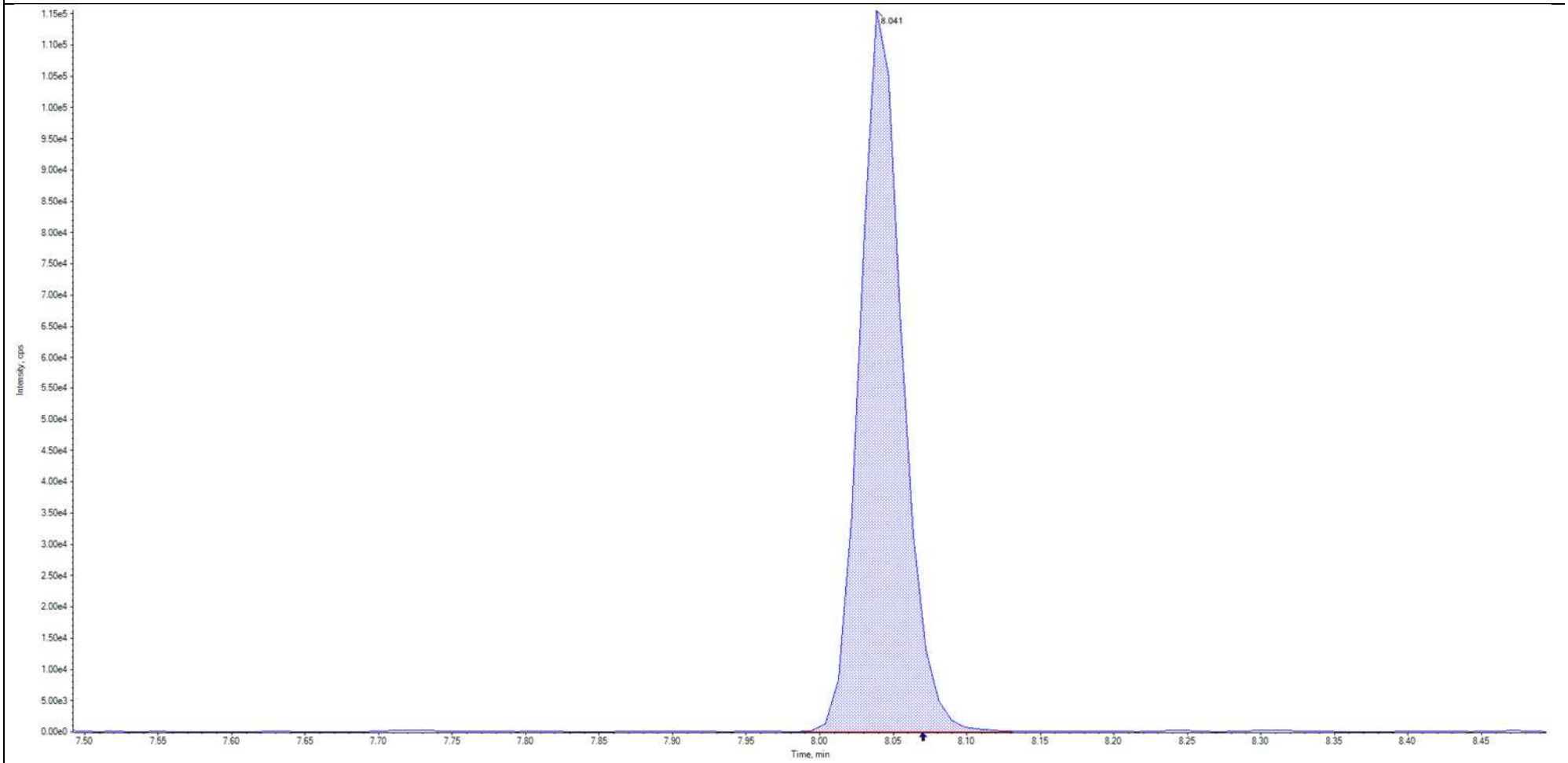


13C2-8:2FTS
Sample: L2447890-02



13C8-PFOSA
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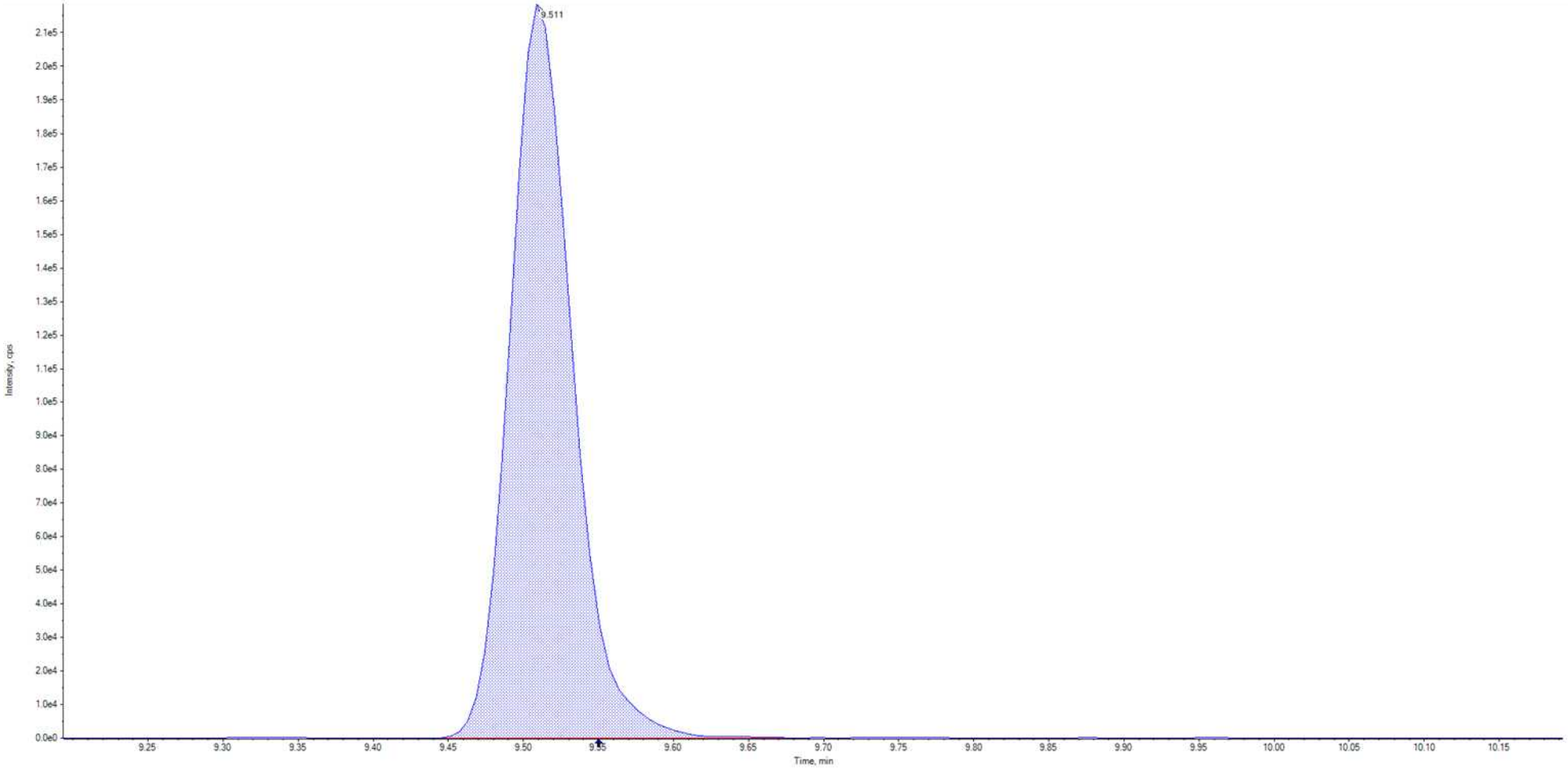

d3-NMeFOSA
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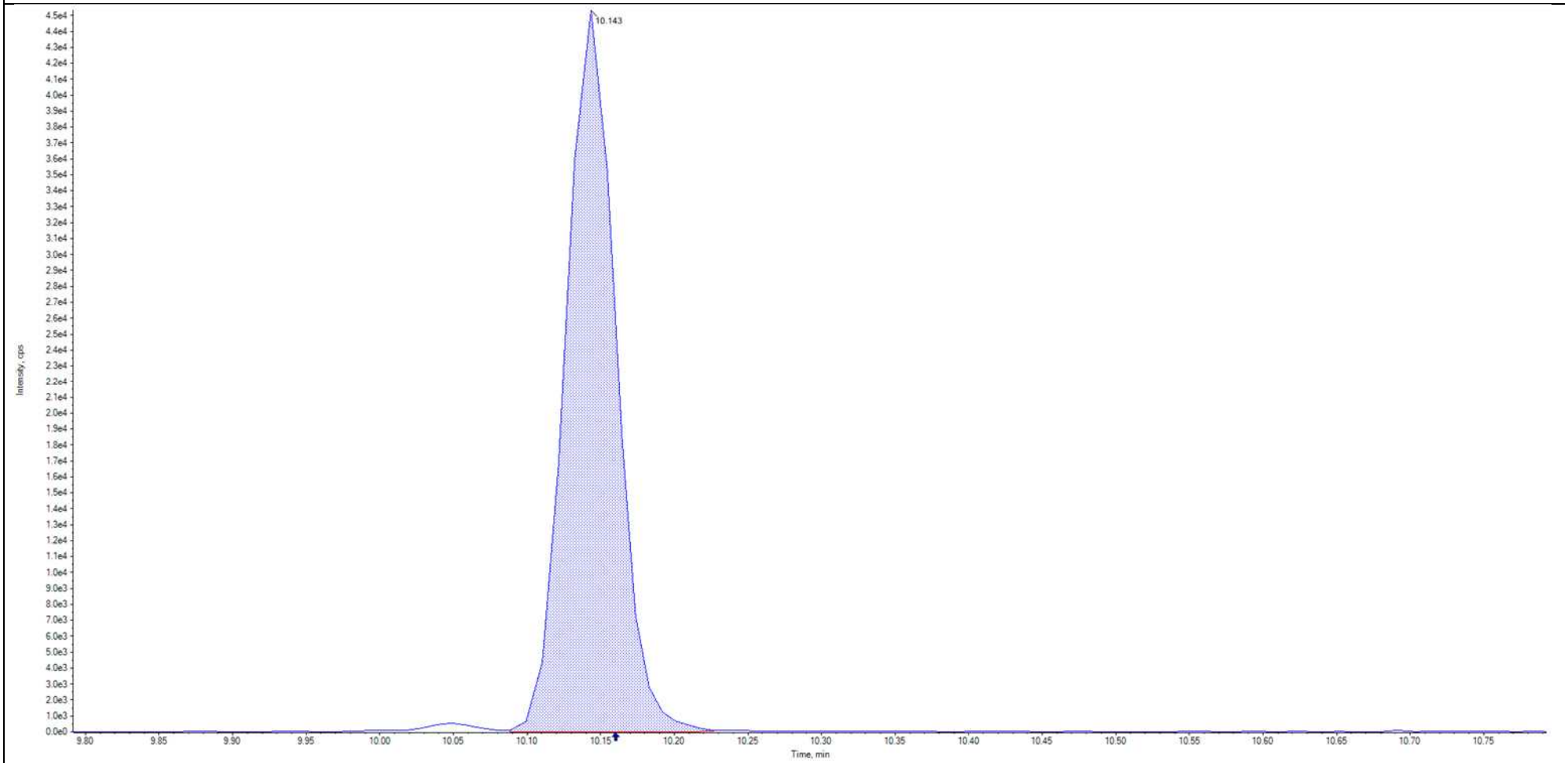
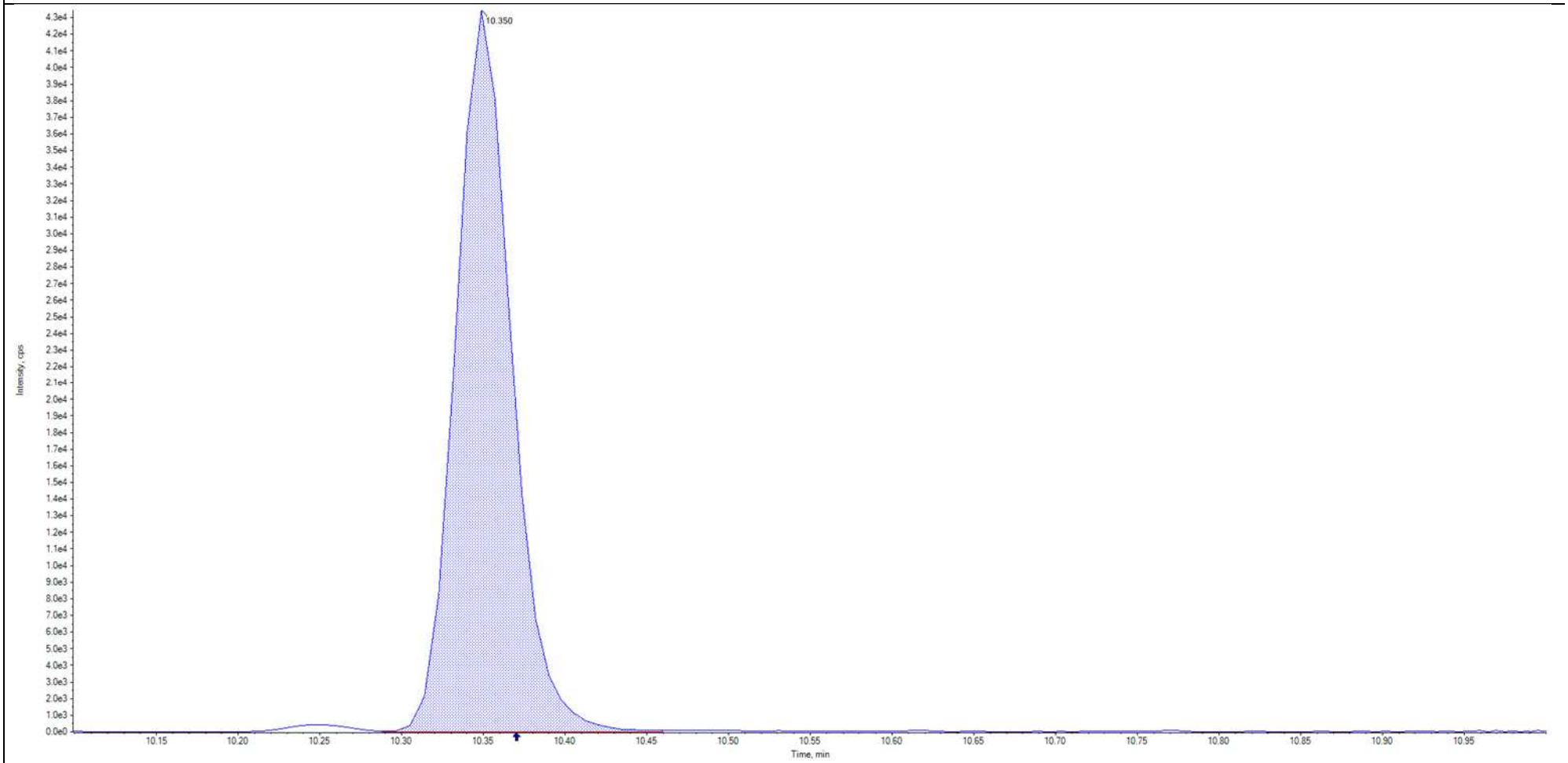
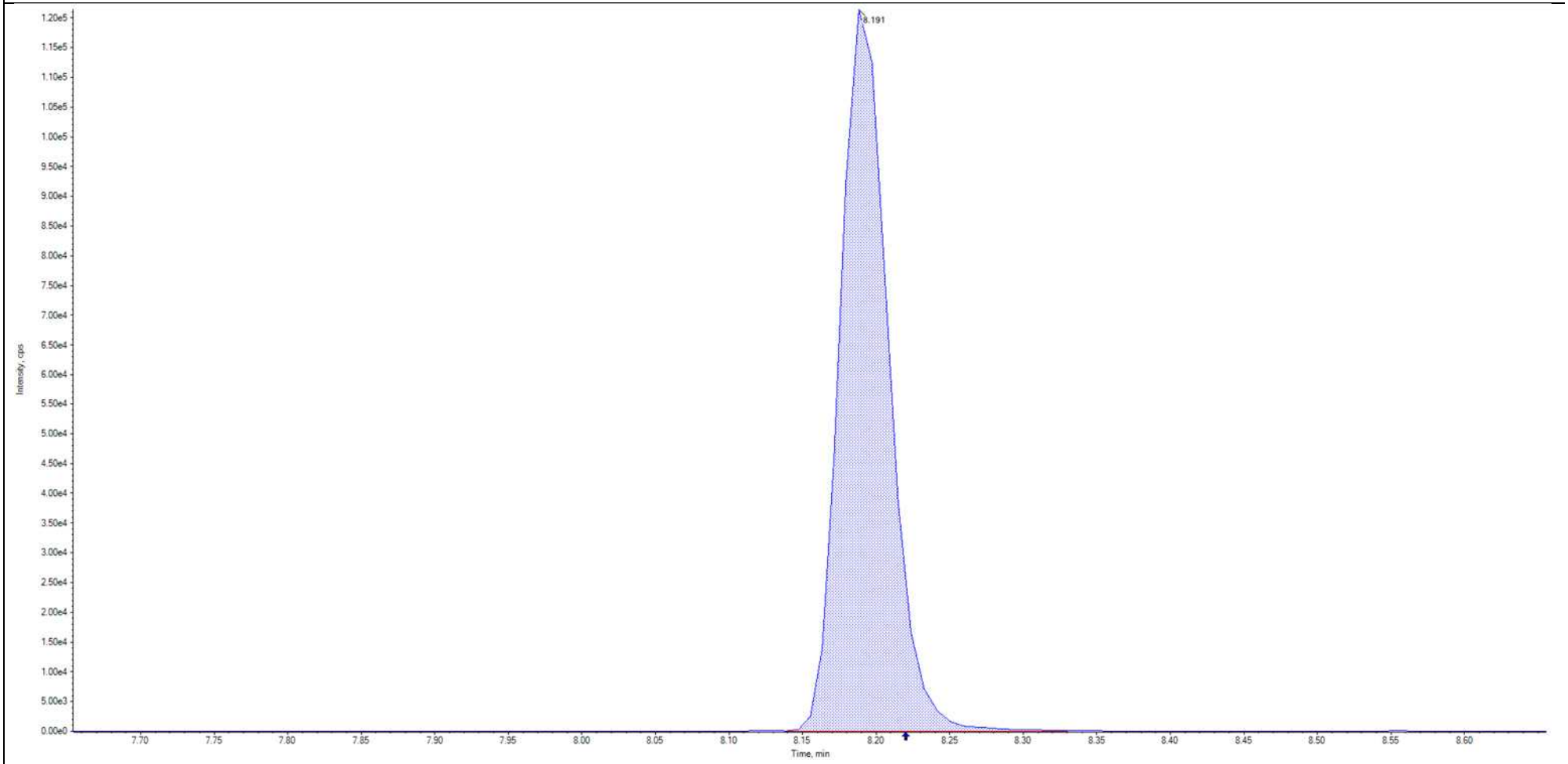


d5-NEtFOSA
Sample: L2447890-02



d3-NMeFOSAA
Sample: L2447890-02



d5-NEtFOSAA
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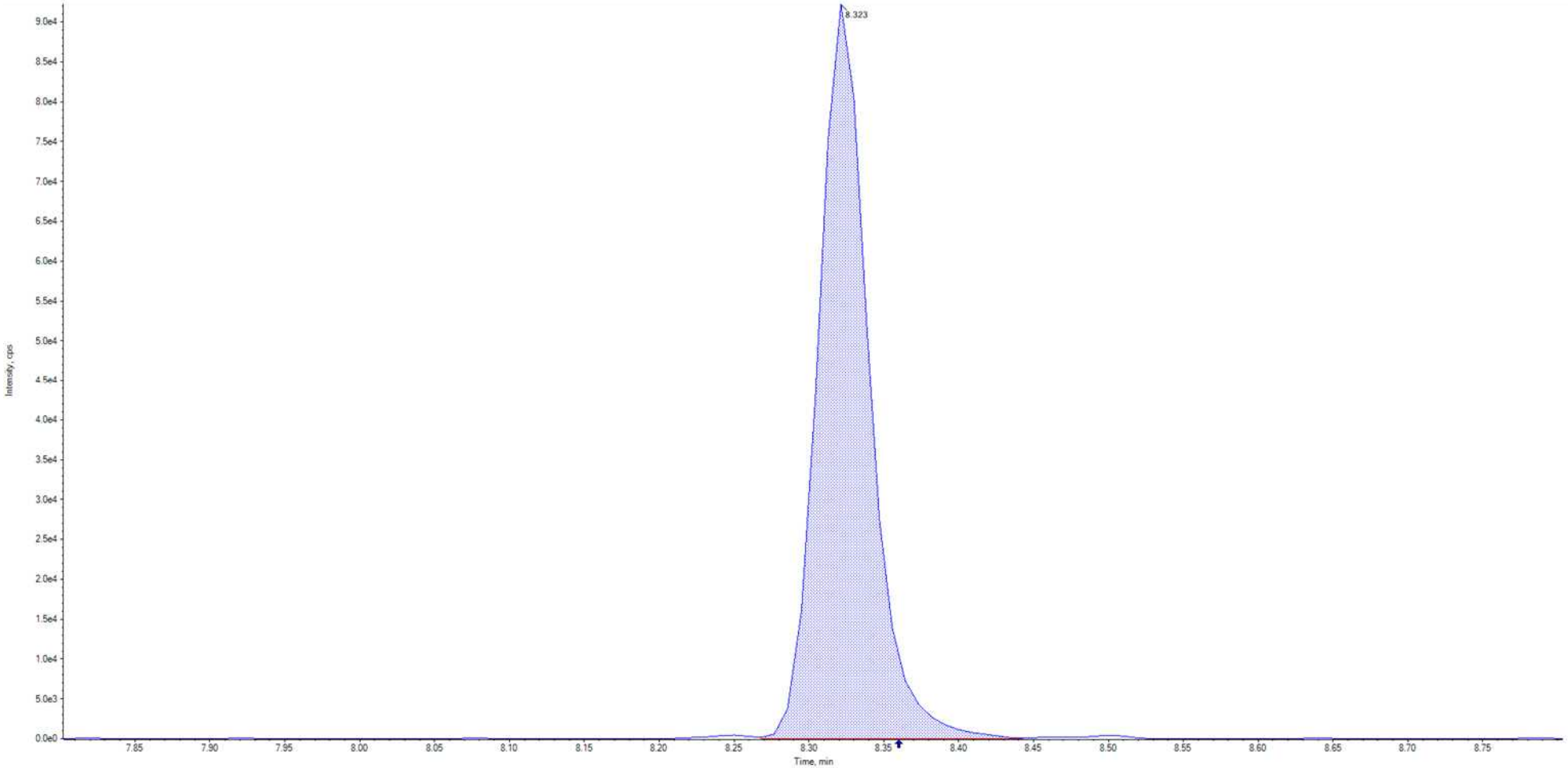
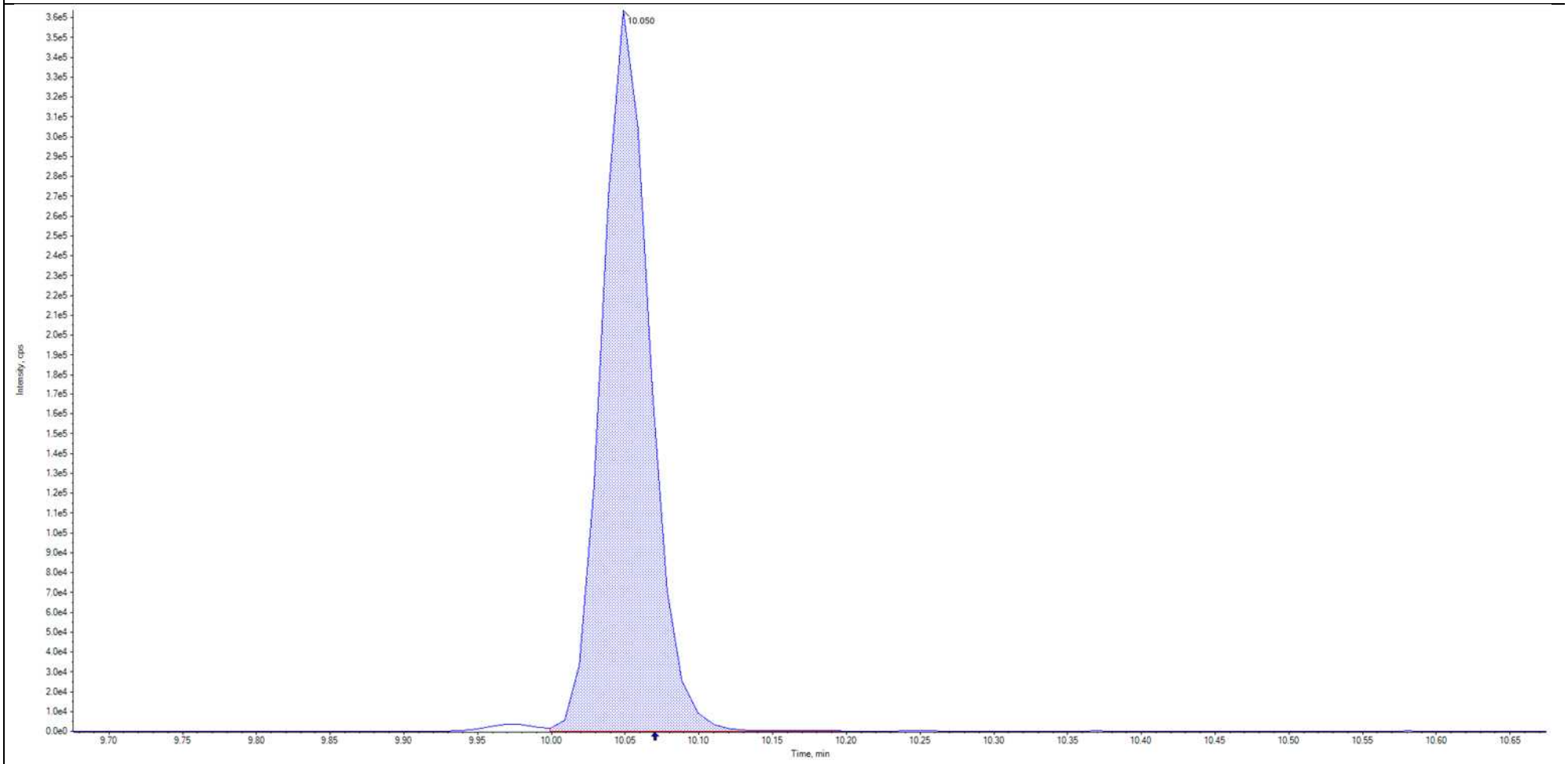


d7-NMeFOSE
Sample: L2447890-02



d9-NEtFOSE
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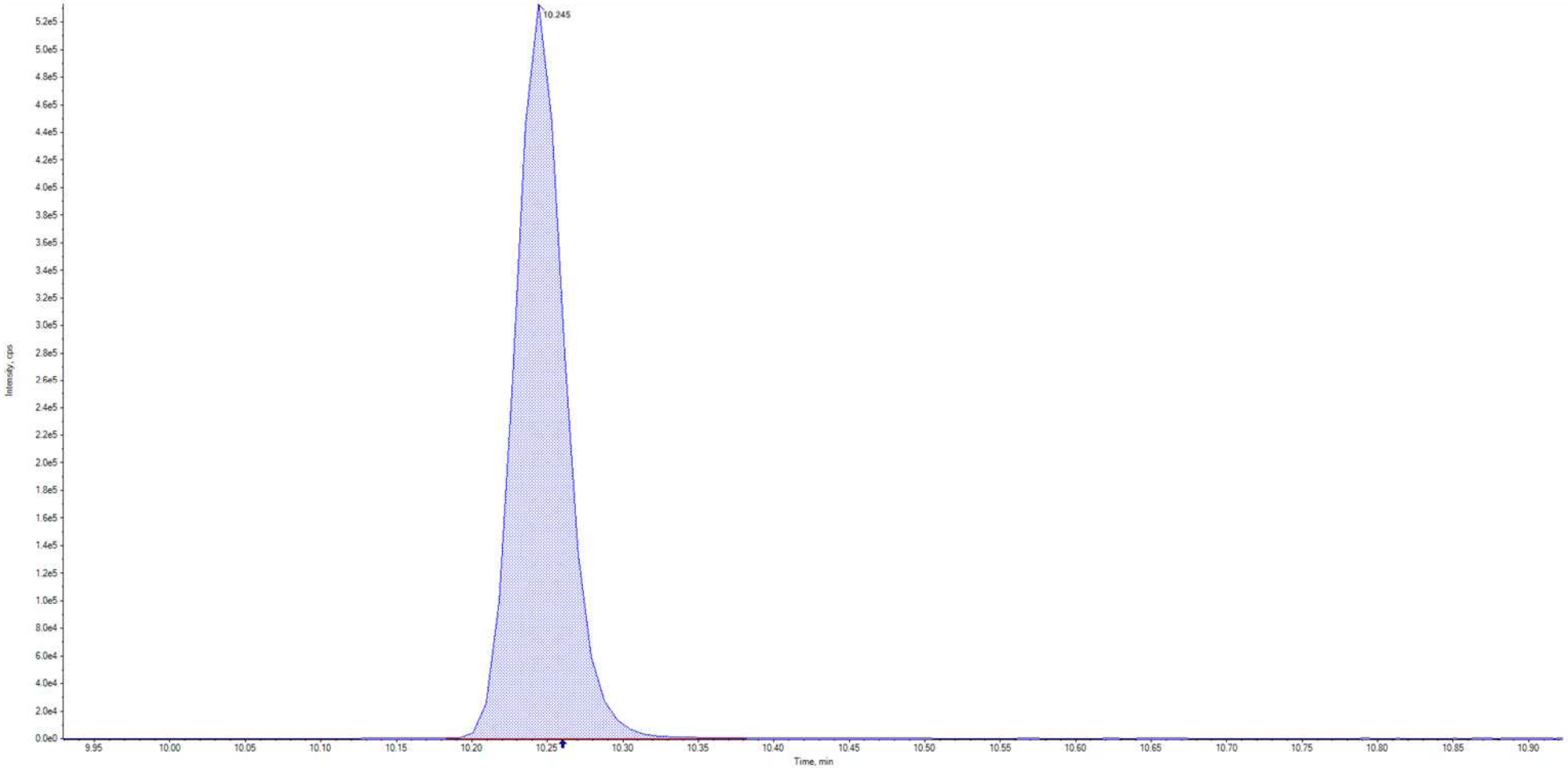

13C3-HFPO-DA
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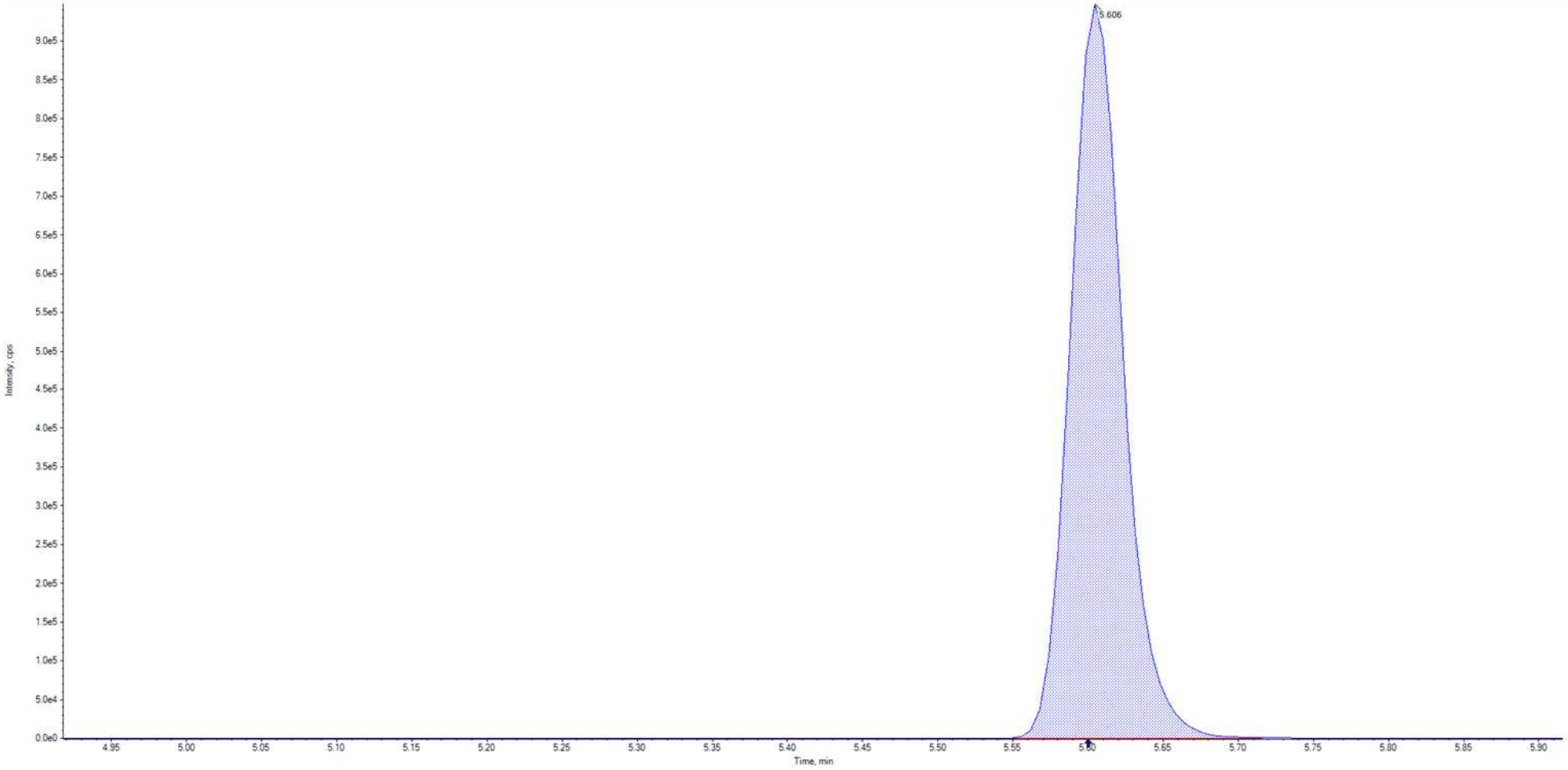
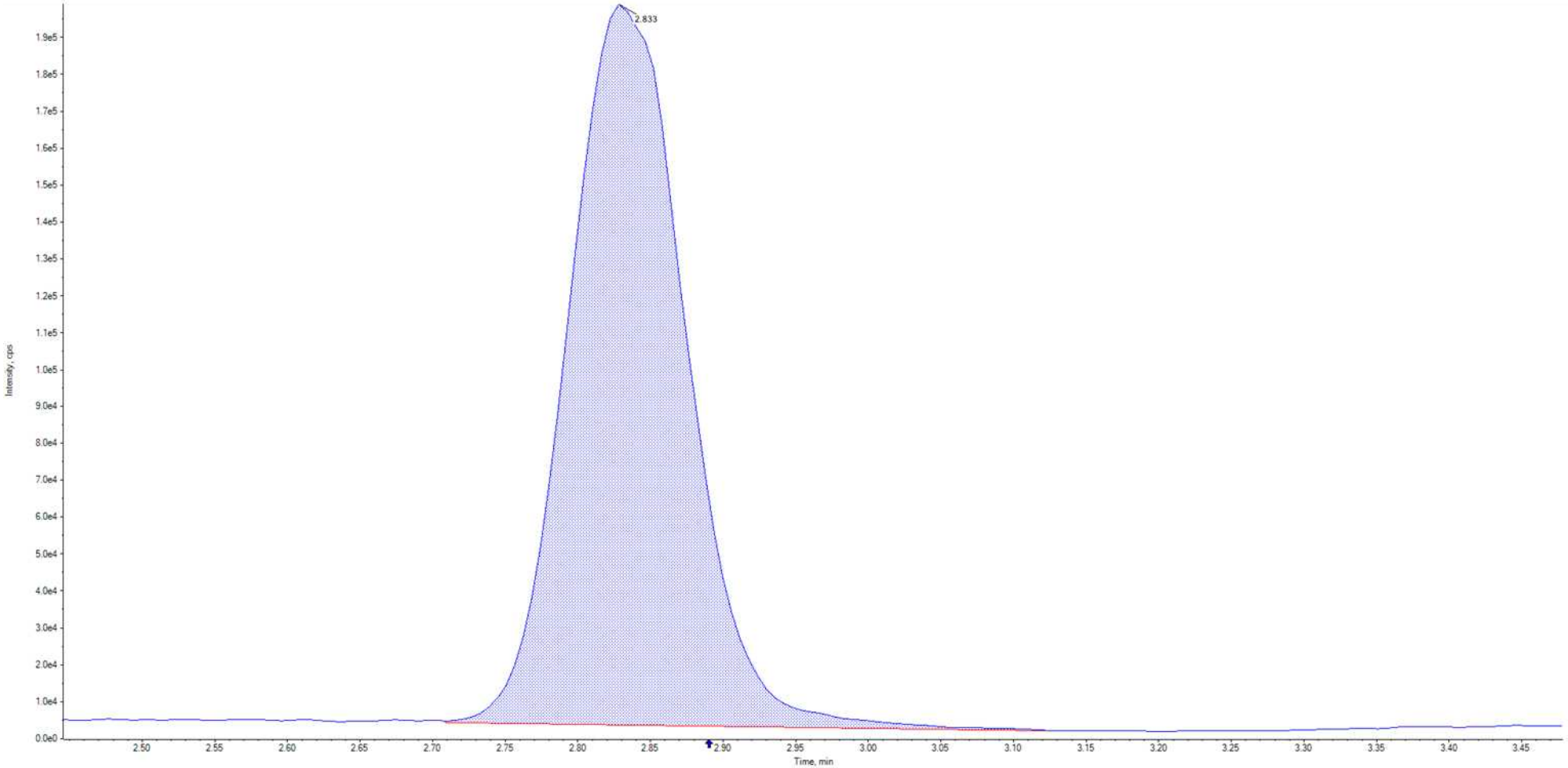
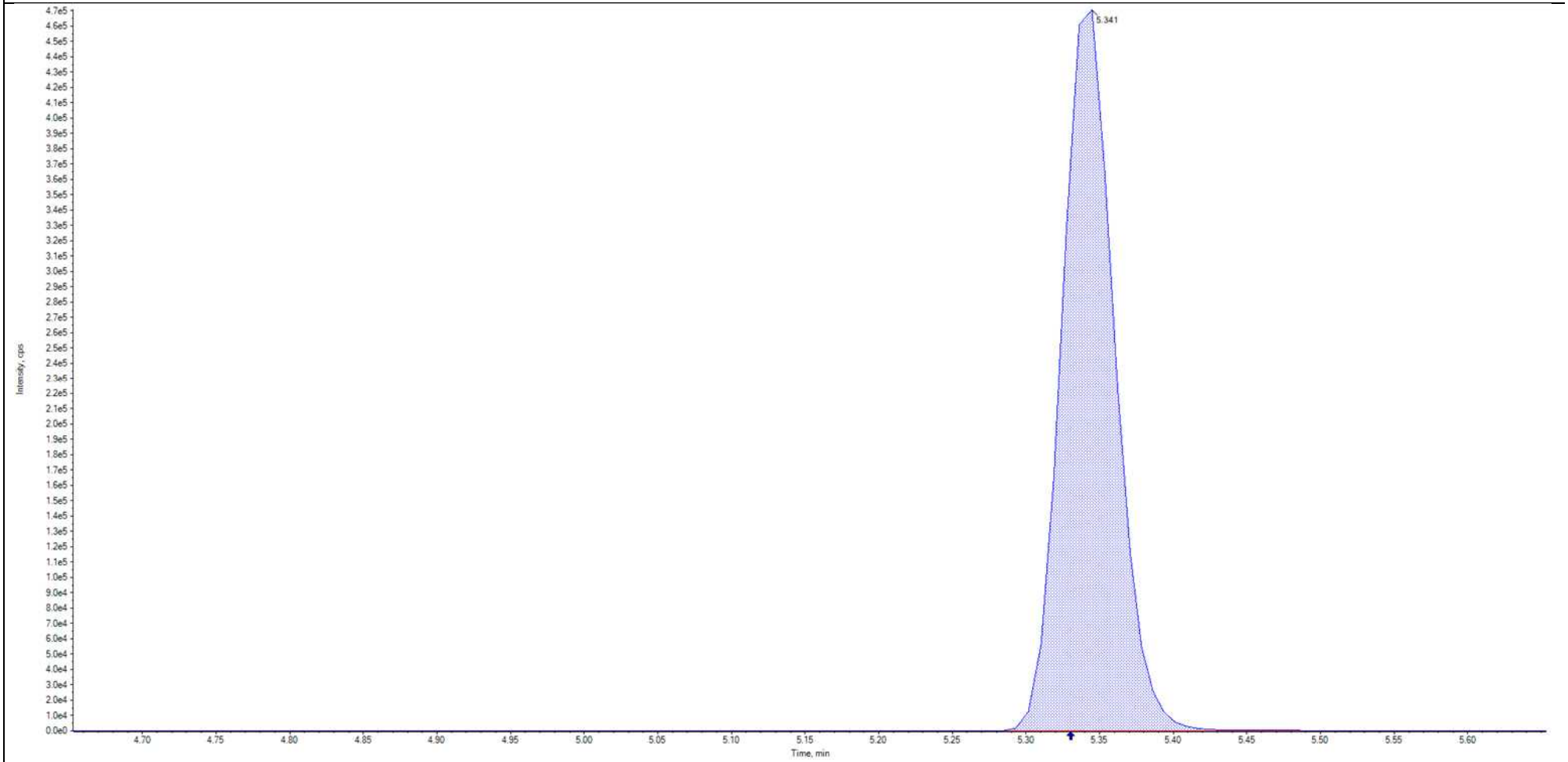


13C3-PFBA
Sample: L2447890-02



13C2-PFHxA
Sample: L2447890-02



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C4-PFOA
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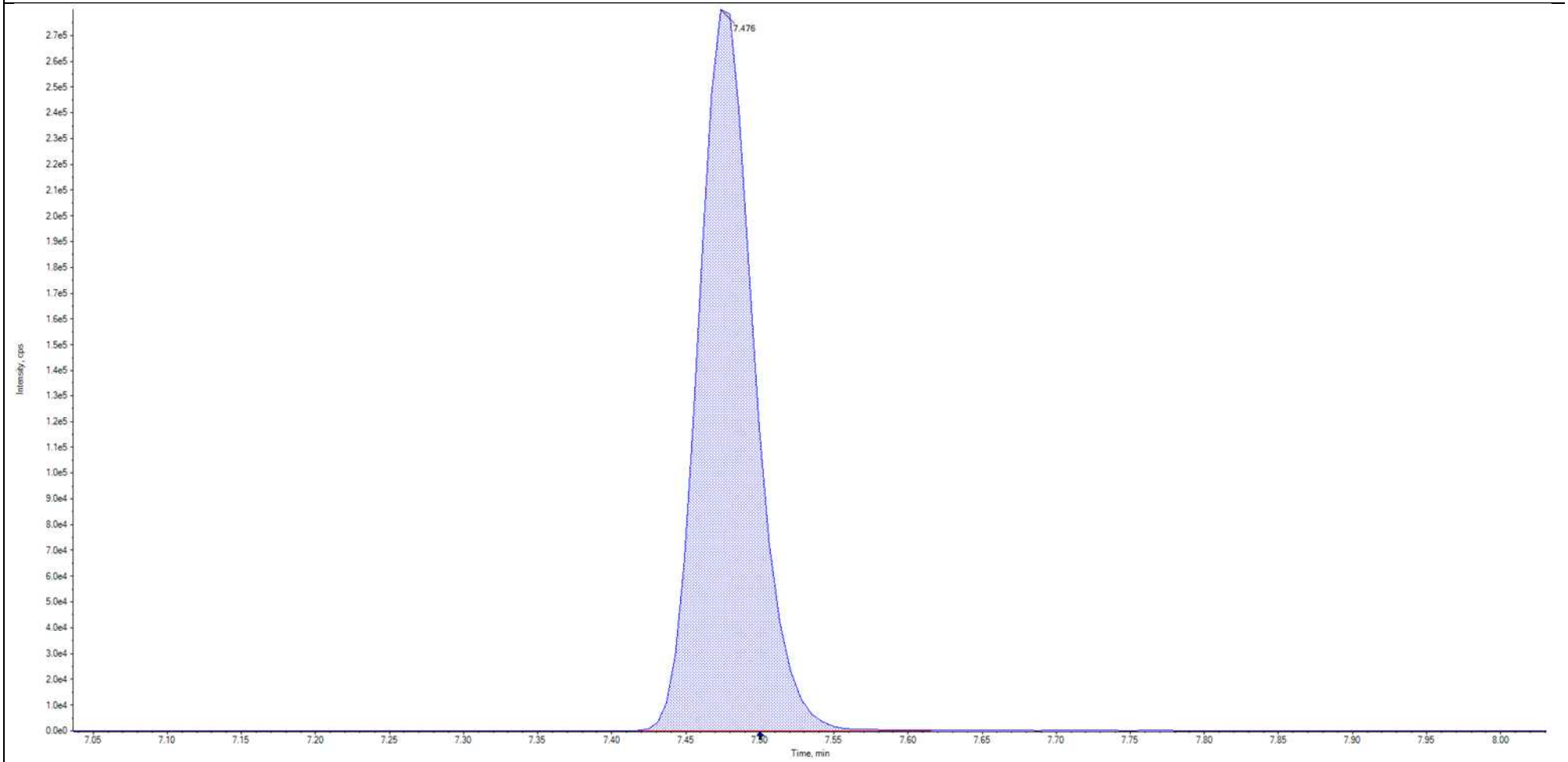
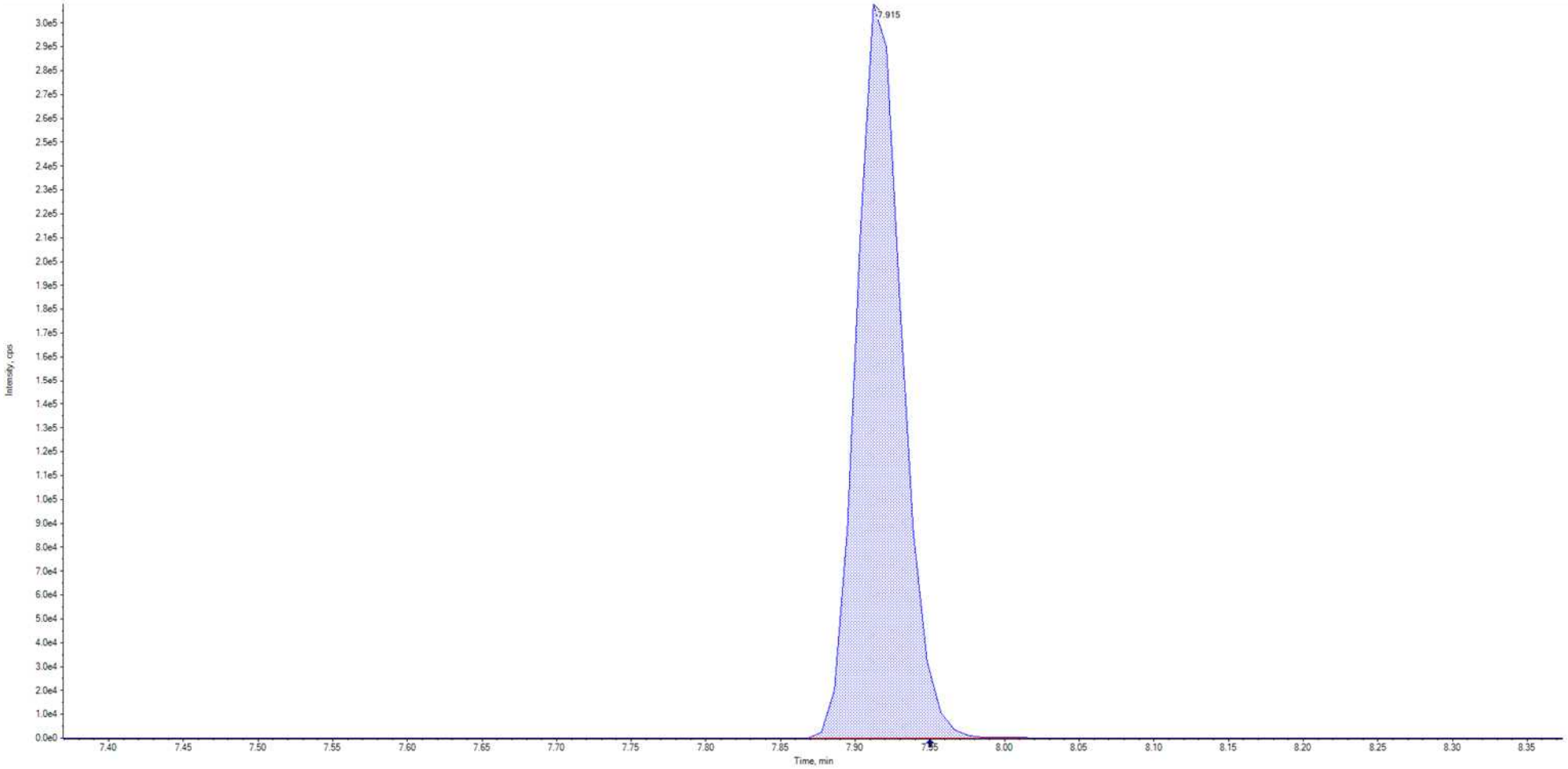


13C5-PFNA
Sample: L2447890-02



13C2-PFDA
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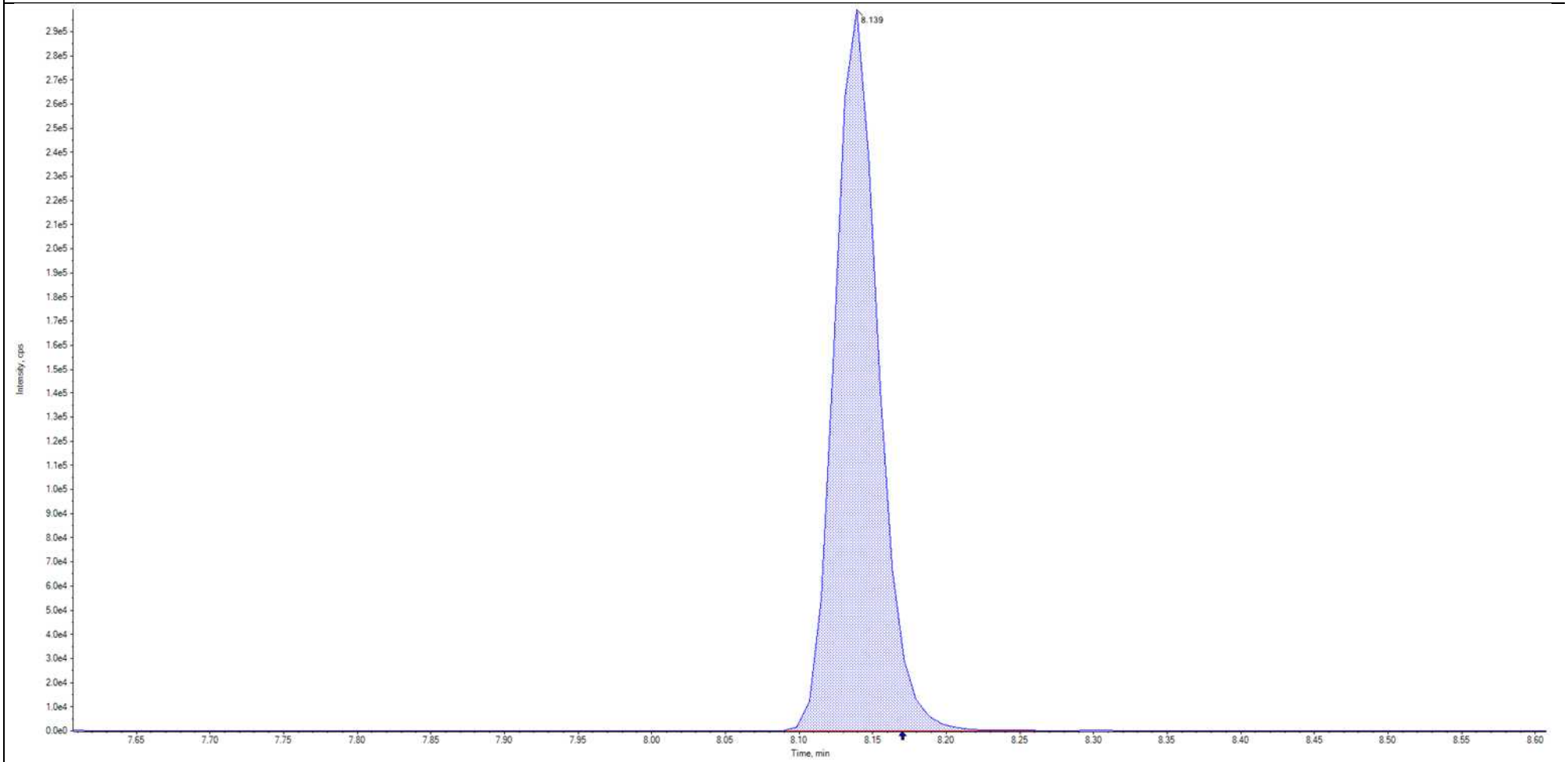

18O2-PFHxS
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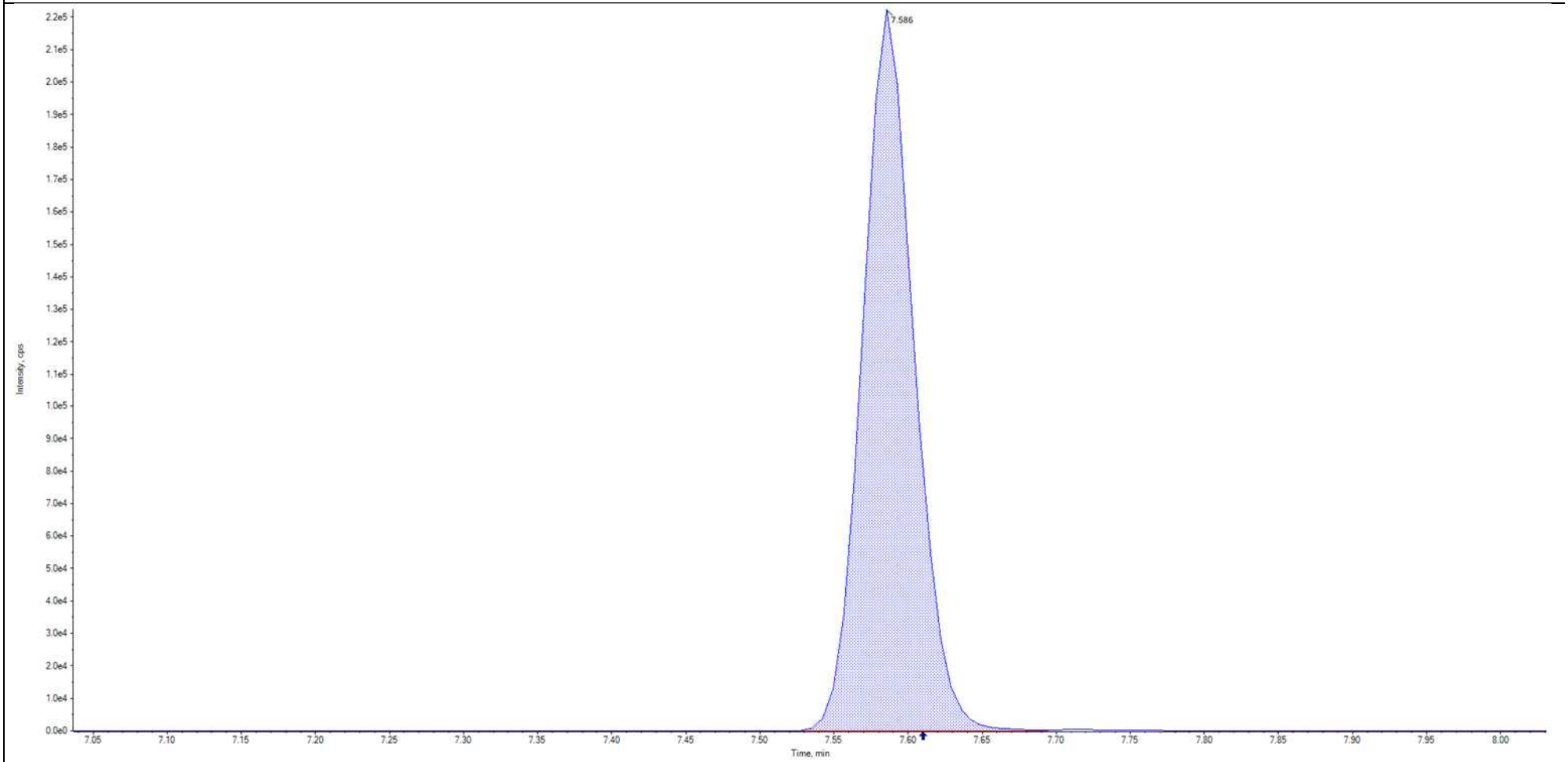
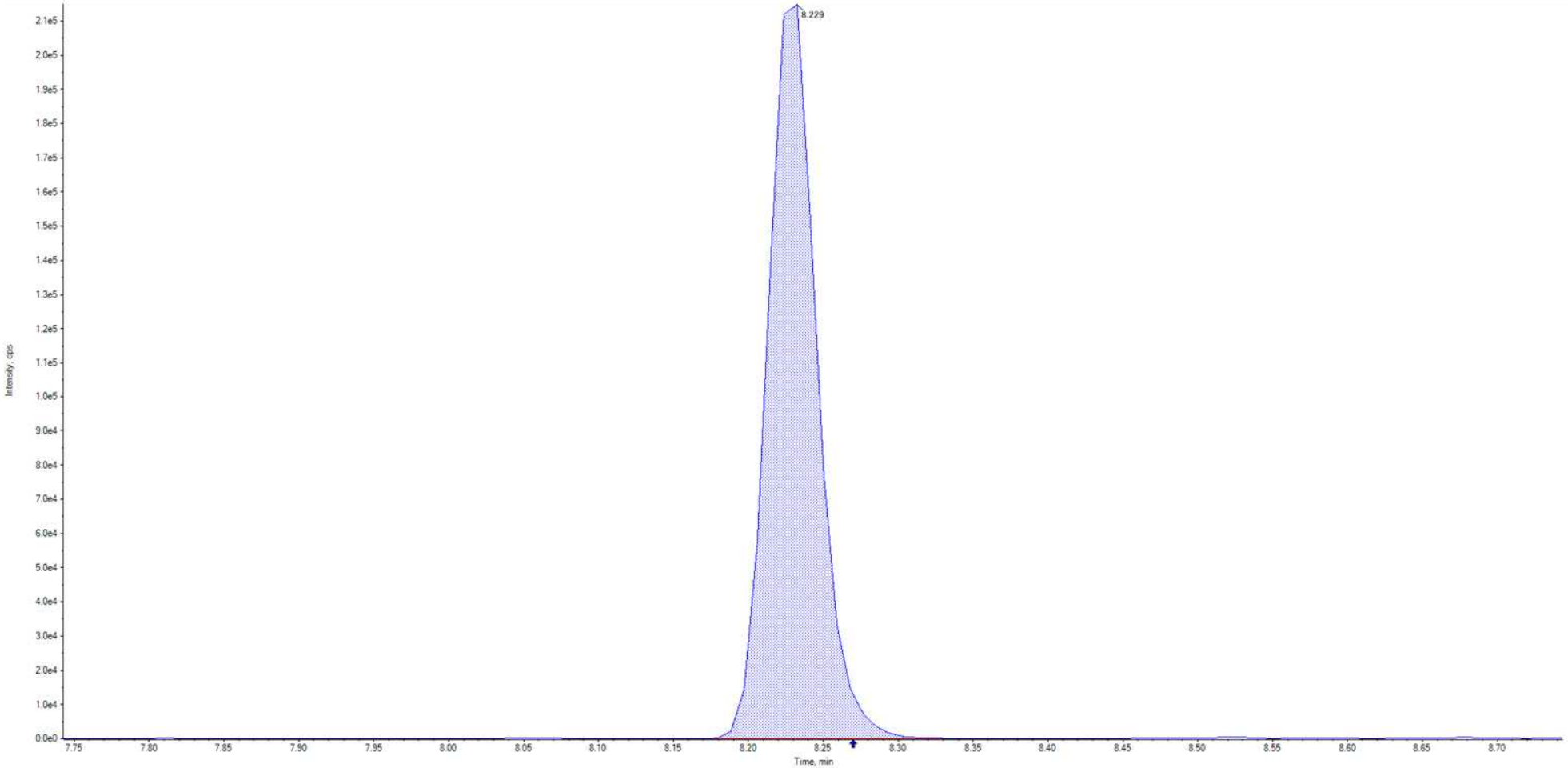


13C4-PFOS
Sample: L2447890-02



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-03
Name: SCI05_240918_21.wiff
Date & Time: 2024-09-18T09:46:52
Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	61154	M4	0.390	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.67	263.0 / 219.0	36512		0.165	N/A	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	5.36	313.0 / 269.0	35982		0.100	0.097	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.37	313.0 / 119.0	3478		0.131	0.097	0.072	Pass	N/A
6	PFHpA	375-85-9	6.27	363.1 / 319.0	33398		0.102	0.292	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.27	363.1 / 169.0	9745		0.097	0.292	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.49	413.1 / 369.1	142835	M5	0.690	0.529	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.49	413.1 / 169.0	75621	M7	0.666	0.529	0.586	Pass	N/A
10	PFNA	375-95-1	7.93	462.8 / 418.9	46365		0.174	0.234	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	10855		0.134	0.234	0.313	Pass	N/A
12	PFDA	335-76-2	8.15	513.1 / 469.1	22575		0.074	0.100	0.142	Pass	N/A
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	2262		0.049	0.100	0.142	Pass	N/A
14	PFUnA	2058-94-8	8.42	563.1 / 519.1	6462	M4	0.029	0.198	0.194	Pass	N/A
15	PFUnA_2	2058-94-8	8.43	563.1 / 269.0	1280		0.029	0.198	0.194	Pass	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.34	299.1 / 80.1	22334		0.097	0.330	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.33	299.1 / 99.1	7364		0.080	0.330	0.396	Pass	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	7.60	399.1 / 80.1	16492	M5	0.099	0.309	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.60	399.1 / 99.1	5099	M7	0.098	0.309	0.315	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	8.24	499.1 / 80.1	73299	M5	0.424	0.242	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	17749	M7	0.419	0.242	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.83	217.0 / 172.0	1932470		7.928	NA	NA	NA	79.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.66	268.0 / 223.0	1202297		4.067	NA	NA	NA	81.3
	13C5-PFHxA	EIS	5.35	318.0 / 273.0	735924		1.895	NA	NA	NA	75.8
	13C4-PFHpA	EIS	6.26	367.0 / 322.0	698040		1.796	NA	NA	NA	71.8
	13C8-PFOA	EIS	7.49	421.0 / 376.0	995340		1.838	NA	NA	NA	73.5
	13C9-PFNA	EIS	7.93	472.0 / 427.0	454176		0.874	NA	NA	NA	70.0
	13C6-PFDA	EIS	8.15	519.0 / 474.0	442221		0.814	NA	NA	NA	65.1
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	355236		0.808	NA	NA	NA	64.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	289164		1.011	NA	NA	NA	80.9
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	224664		0.724	NA	NA	NA	57.9
	13C3-PFBS	EIS	5.33	302.1 / 80.1	547994		1.711	NA	NA	NA	73.4
	13C3-PFHxS	EIS	7.60	402.1 / 80.1	418345		1.645	NA	NA	NA	69.4
	13C8-PFOS	EIS	8.23	507.1 / 80.1	420915		1.627	NA	NA	NA	67.9
	13C2-4:2FTS	EIS	5.16	329.1 / 81.1	252689		4.421	NA	NA	NA	94.3
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	135527		3.236	NA	NA	NA	68.0
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	203105		3.313	NA	NA	NA	69.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.52	506.1 / 78.1	571671		1.662	NA	NA	NA	66.5
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	81178		1.402	NA	NA	NA	56.1
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	87502		1.547	NA	NA	NA	61.9
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	220365		1.683	NA	NA	NA	33.7
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	206302		2.998	NA	NA	NA	60.0
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	766724		17.144	NA	NA	NA	68.6
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1165979		17.683	NA	NA	NA	70.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.62	287.0 / 169.0	1960478		7.619	NA	NA	NA	76.2
	13C3-PFBA	NIS	2.83	216.0 / 172.0	1066301		4.987	NA	NA	NA	99.7
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1152853		2.355	NA	NA	NA	94.2
	13C4-PFOA	NIS	7.49	417.0 / 372.0	708626		2.264	NA	NA	NA	90.5
	13C5-PFNA	NIS	7.92	468.0 / 423.0	632812		1.155	NA	NA	NA	92.4
	13C2-PFDA	NIS	8.14	515.1 / 470.1	638142		1.245	NA	NA	NA	99.6
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	517045		2.207	NA	NA	NA	93.1
	13C4-PFOS	NIS	8.23	503.1 / 80.1	457744		2.174	NA	NA	NA	90.8

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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 3.0.0.3339
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PFBA
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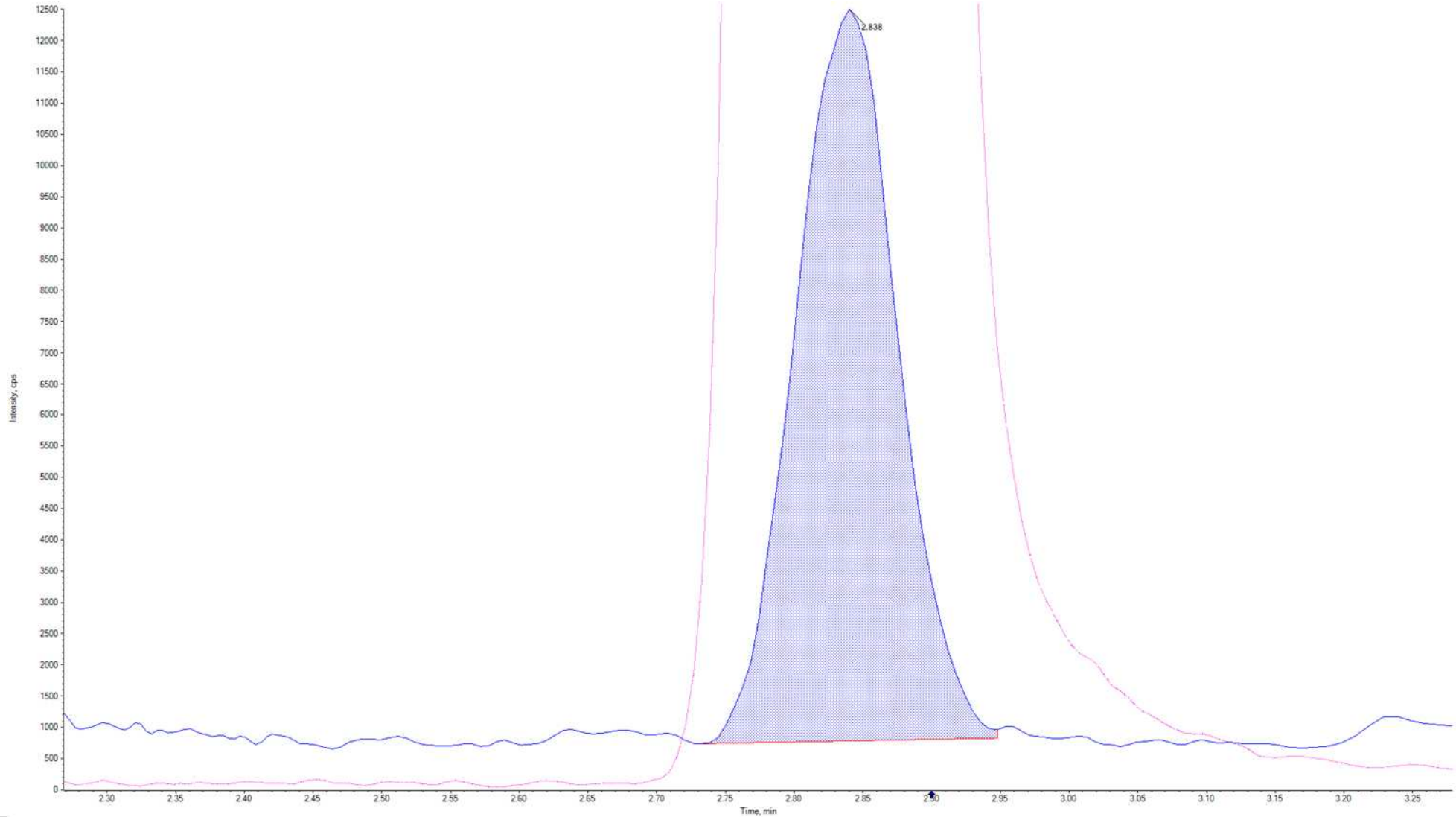

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PFPeA
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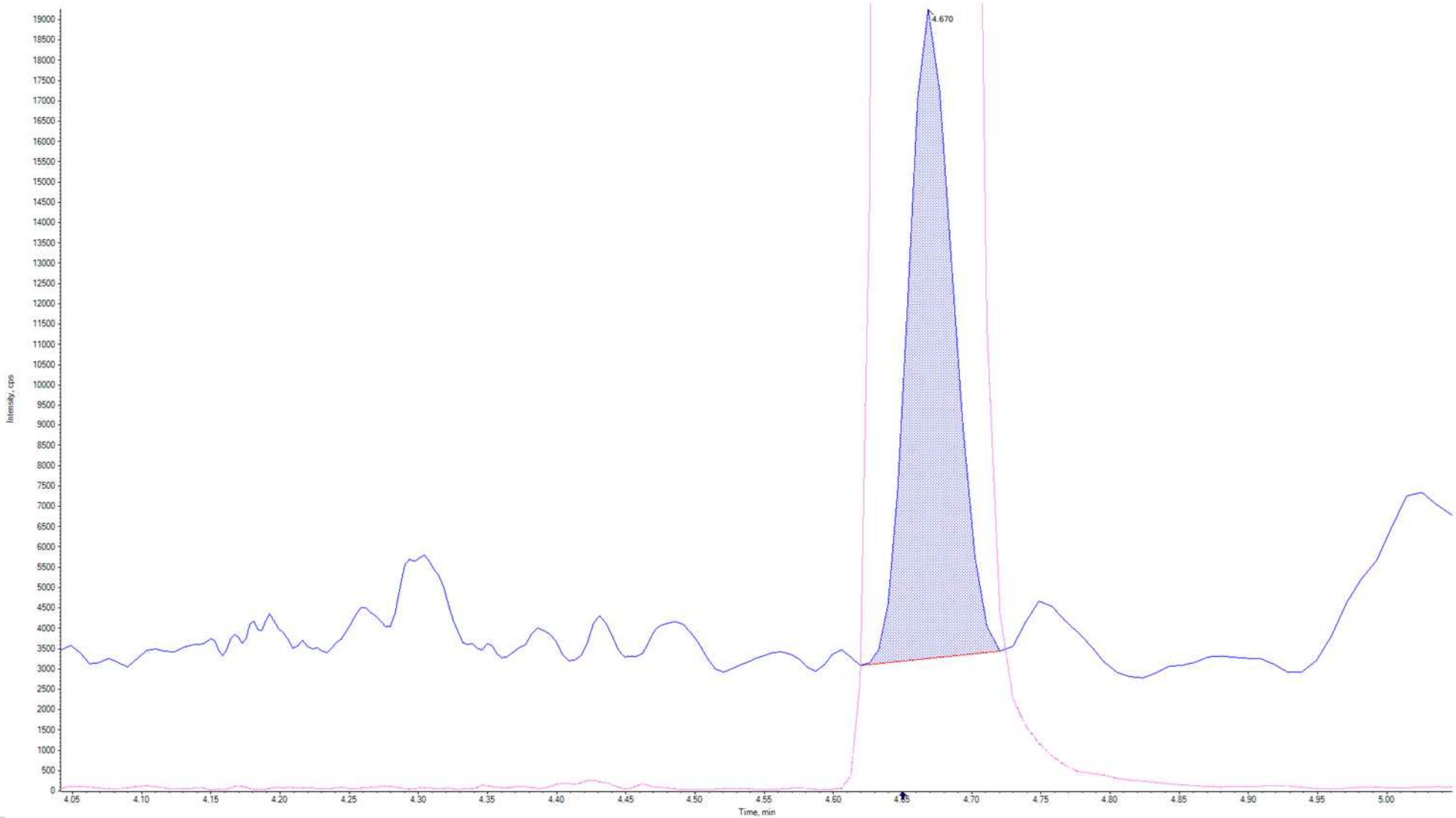

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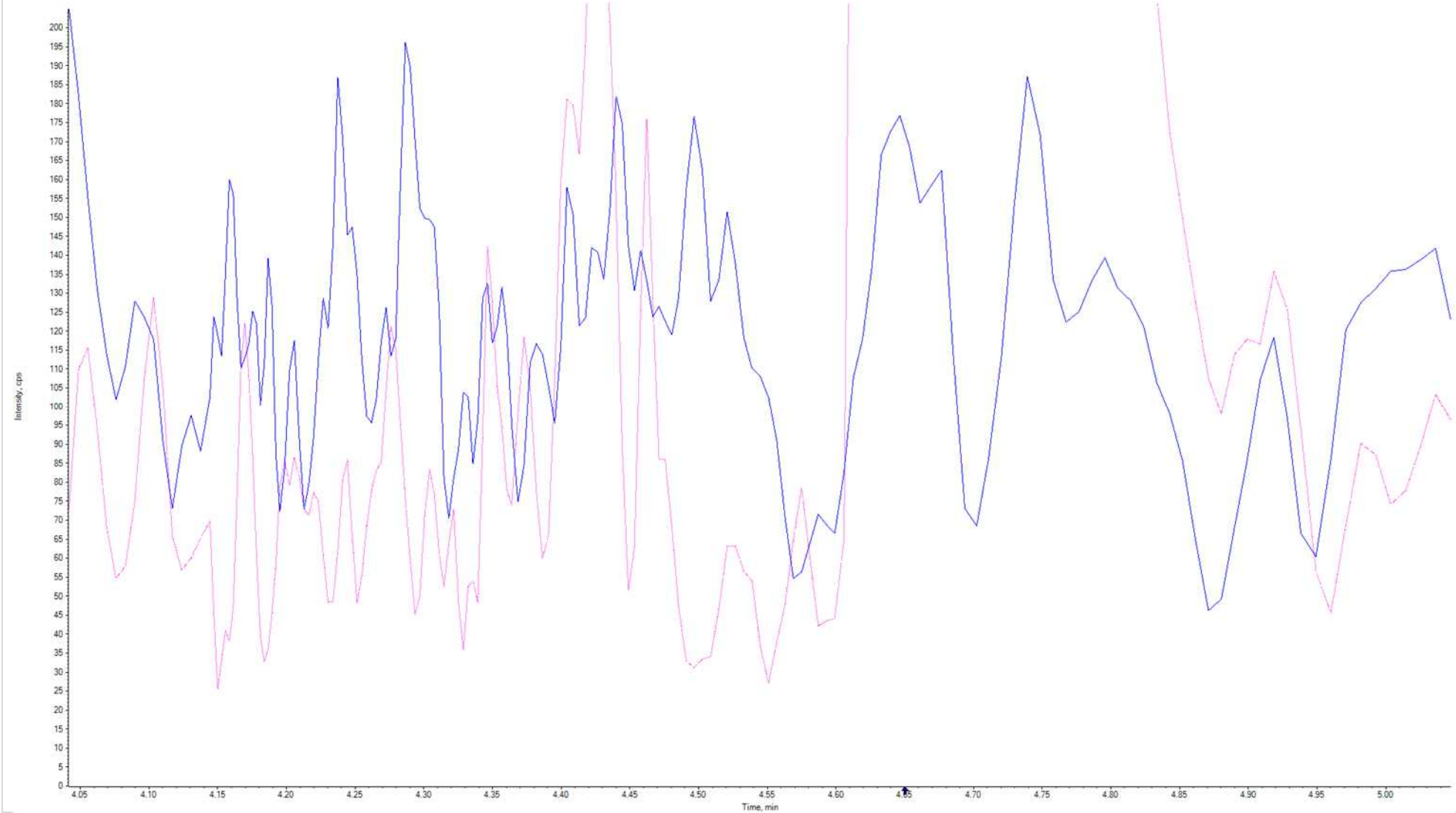
PFPeA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



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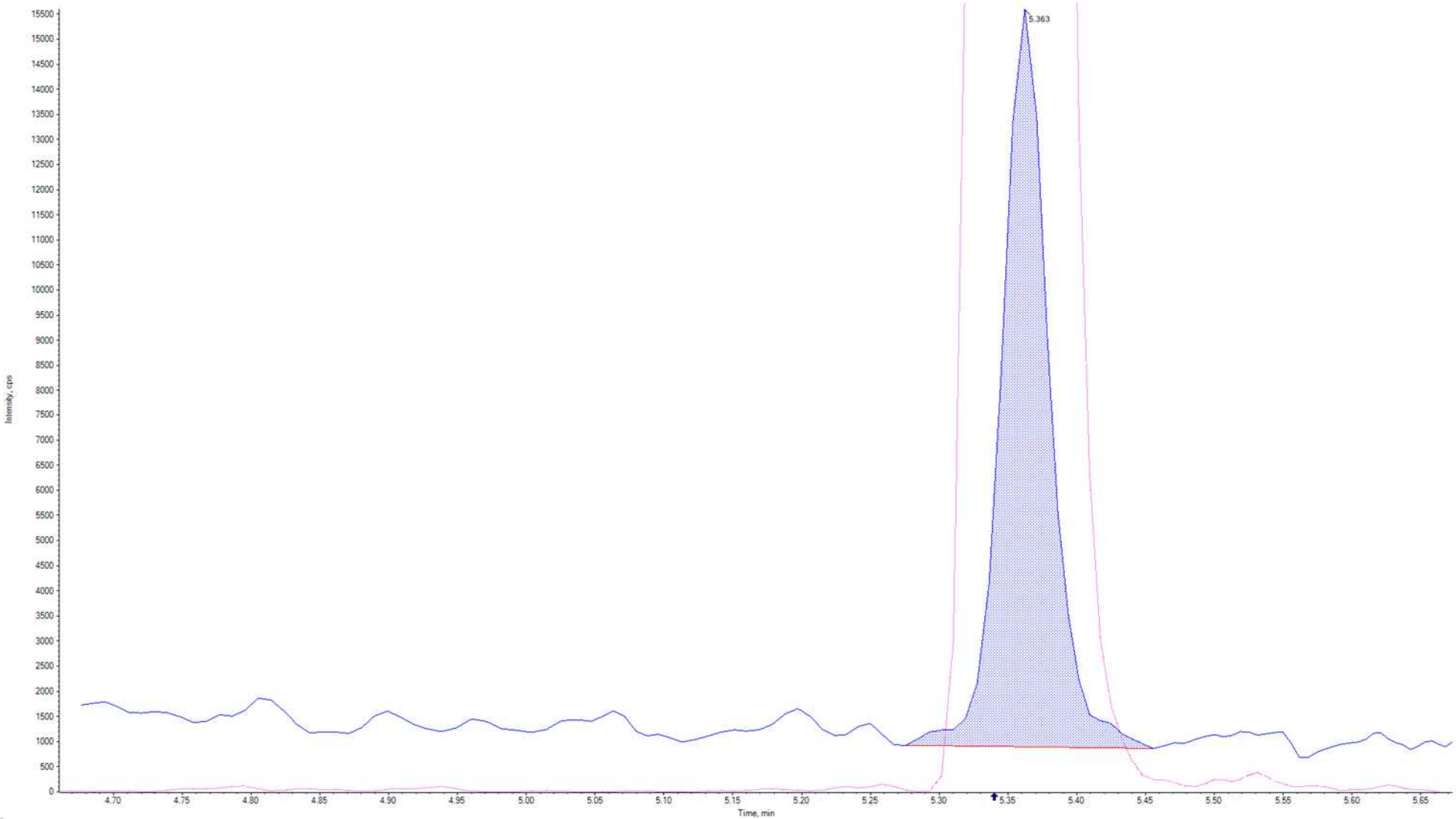
PFHxA
Sample: L2447890-03 S/N:170.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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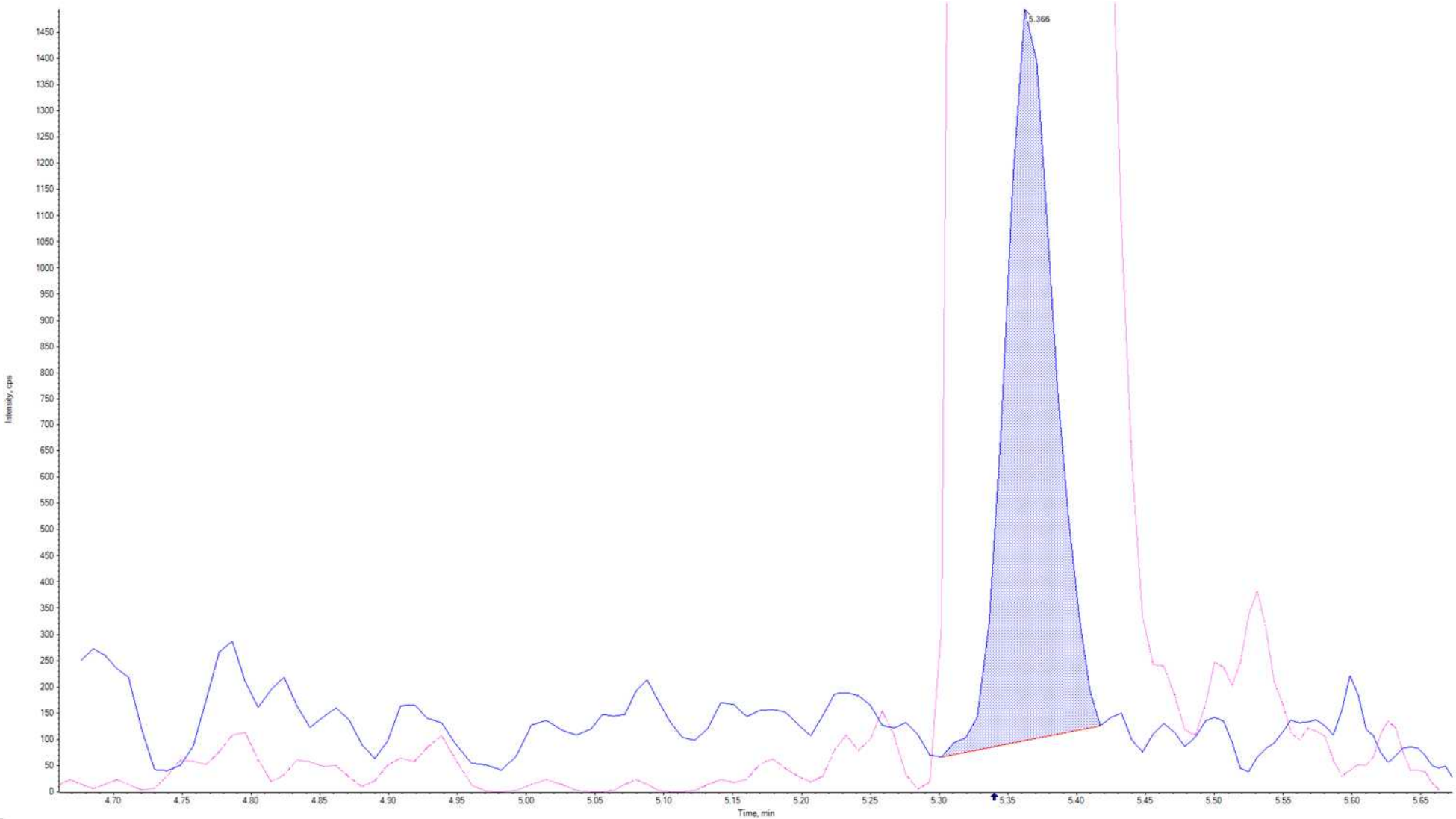
PFHxA_2
Sample: L2447890-03 S/N:90.2 Points Across peak:15



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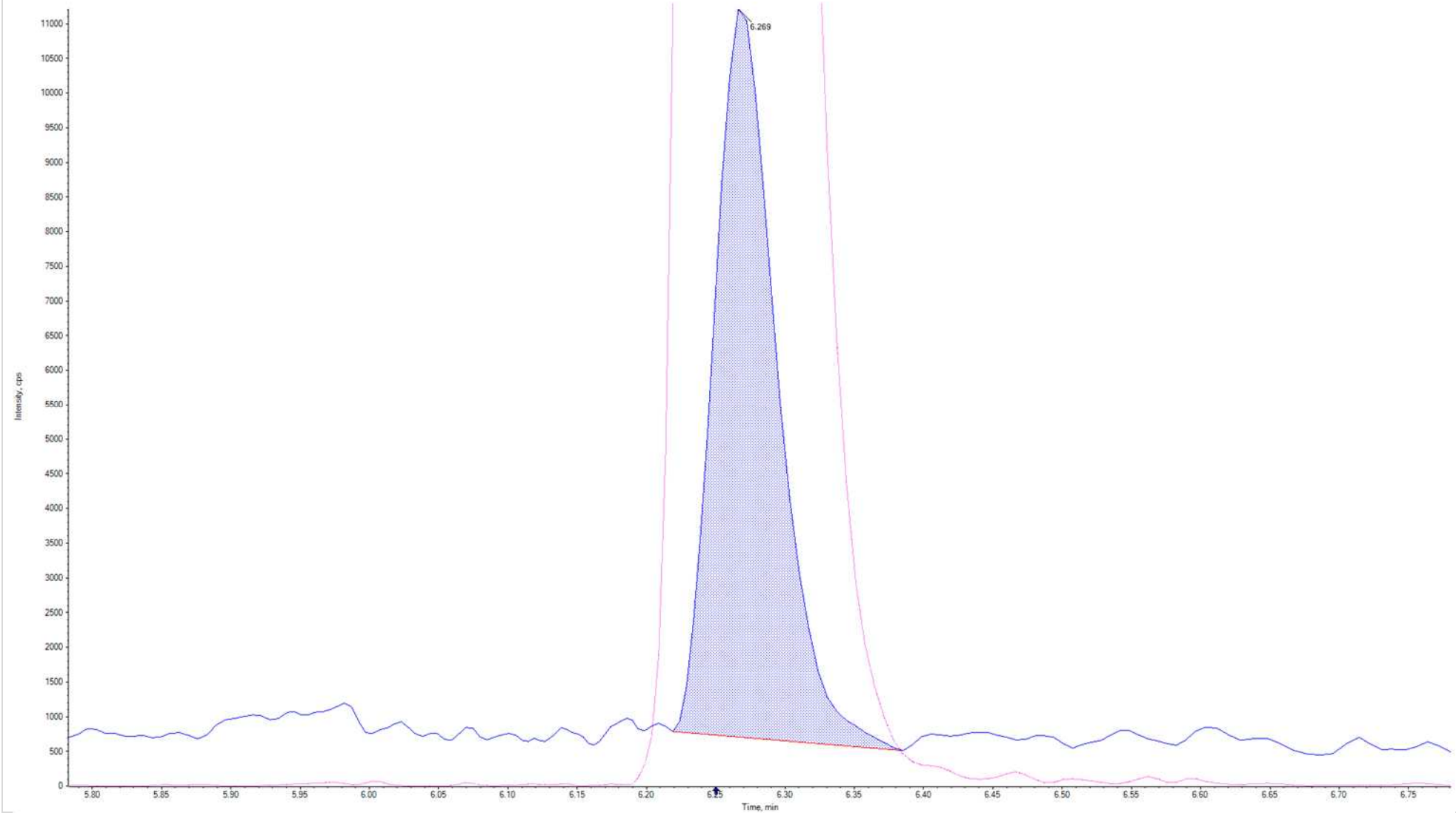
PFHpA
Sample: L2447890-03 S/N:218.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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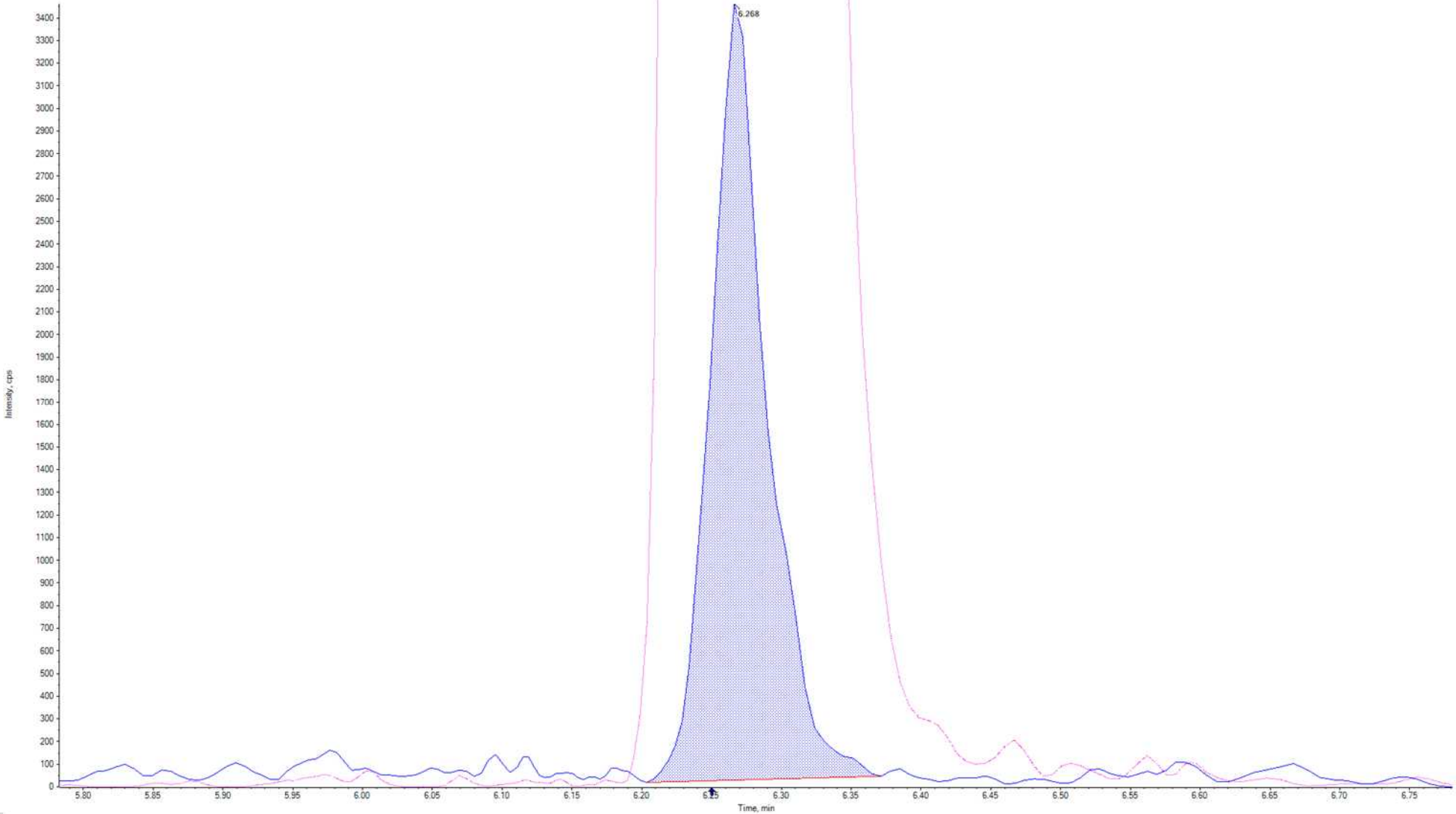
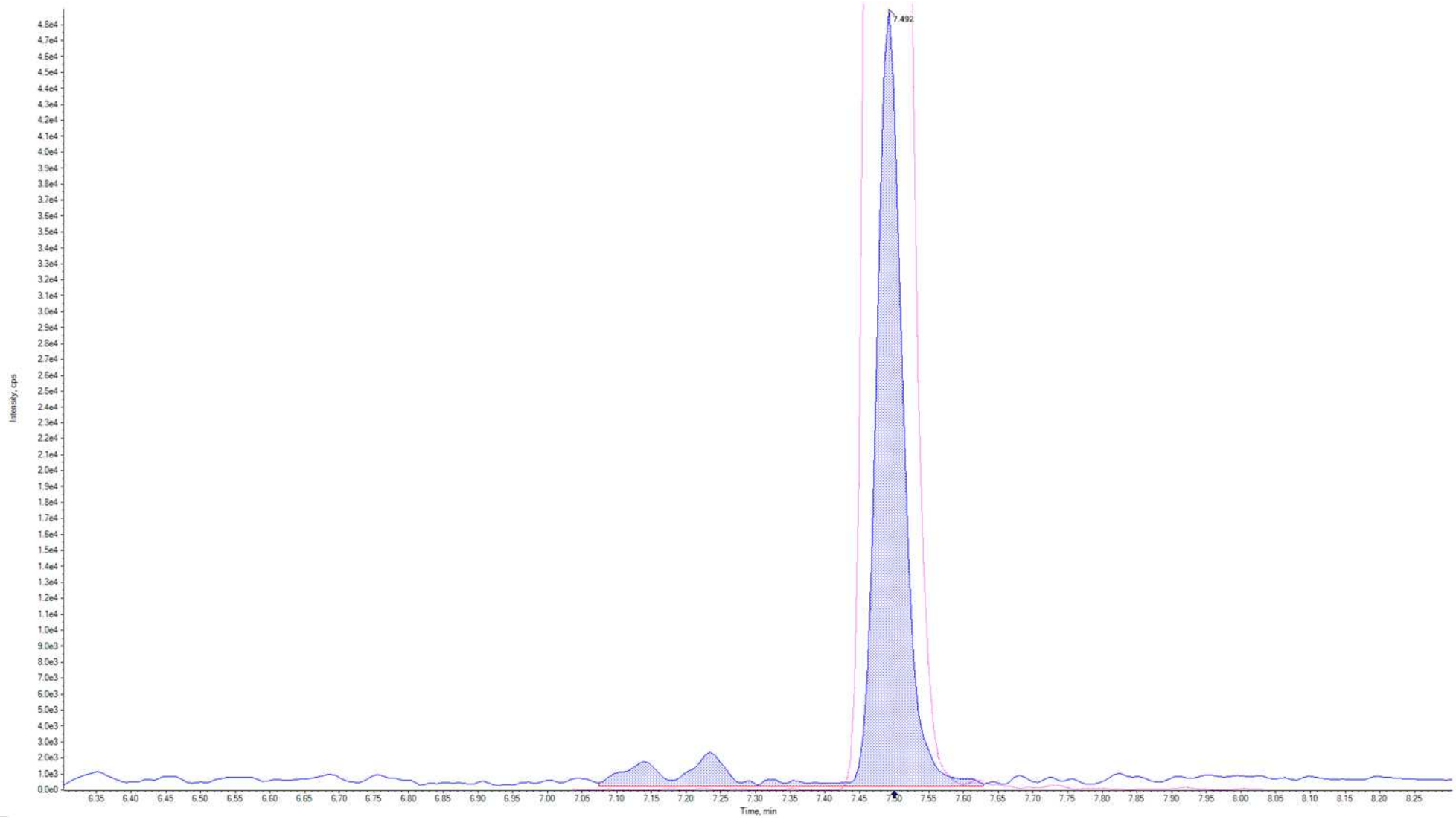
PFHpA_2
Sample: L2447890-03 S/N:956.2 Points Across peak:29



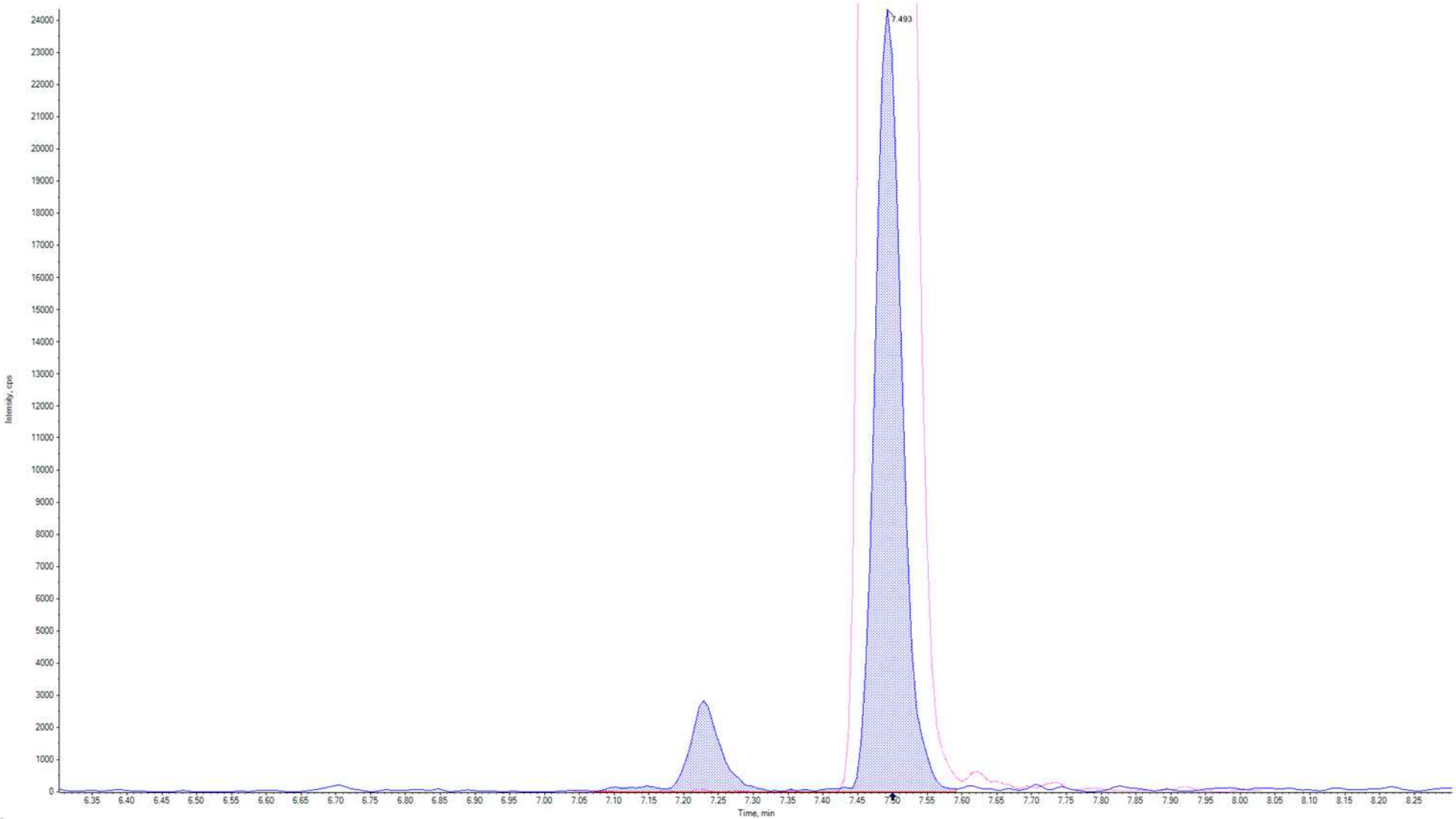
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOA
Sample: L2447890-03 S/N:775.0 Points Across peak:88



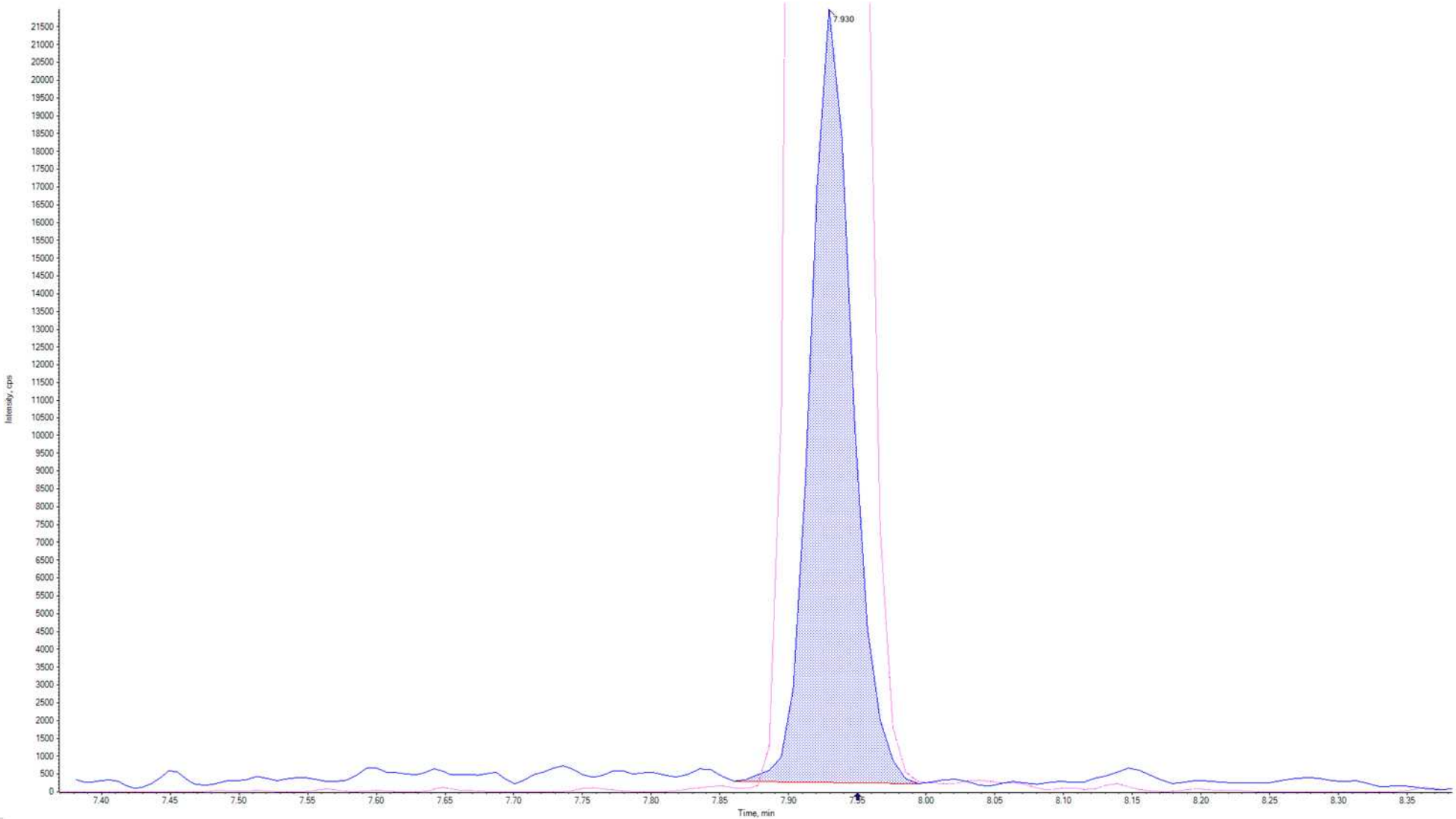
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOA_2
Sample: L2447890-03 S/N:822804.8 Points Across peak:84



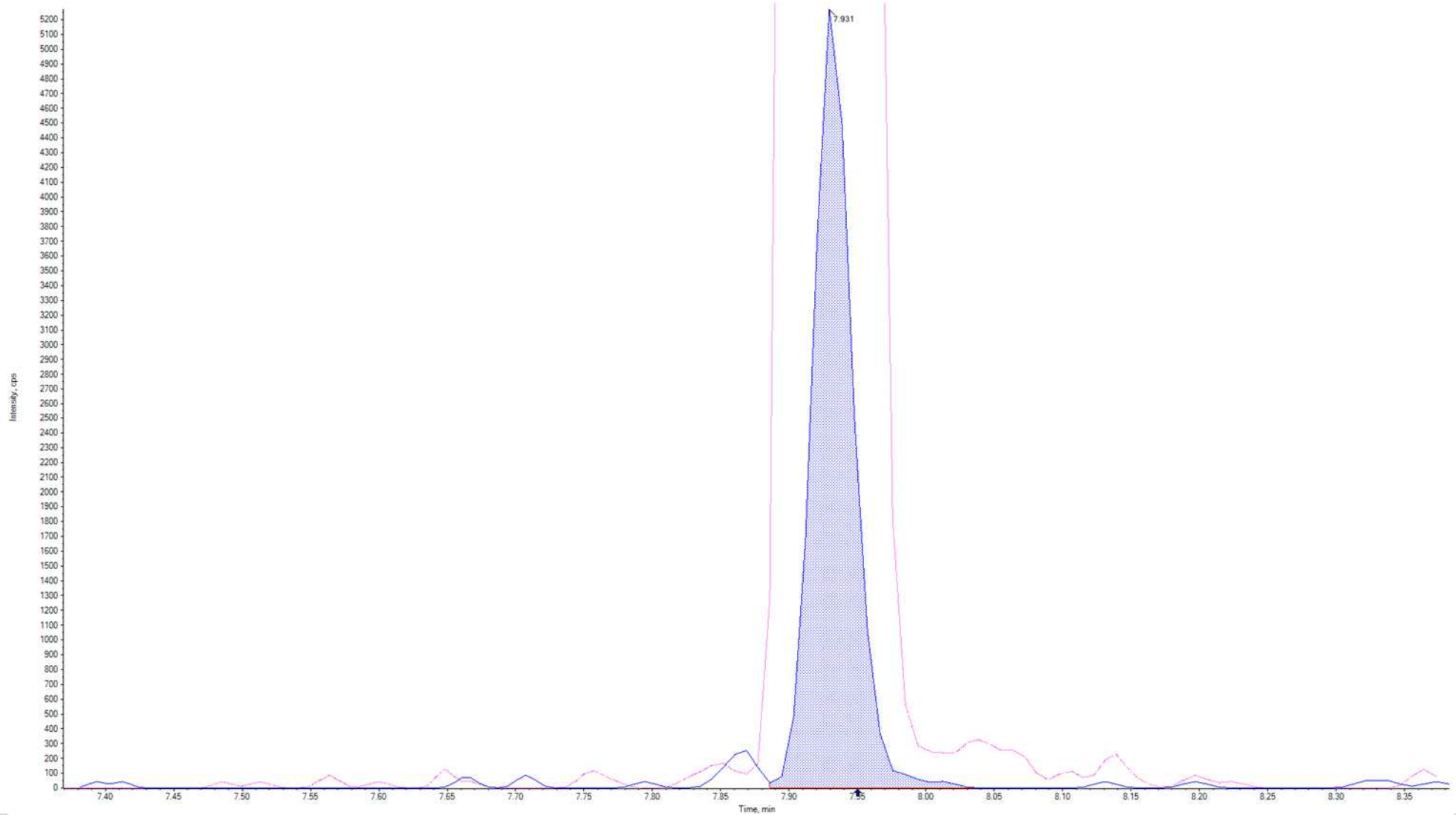
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: L2447890-03 S/N:551.1 Points Across peak:16



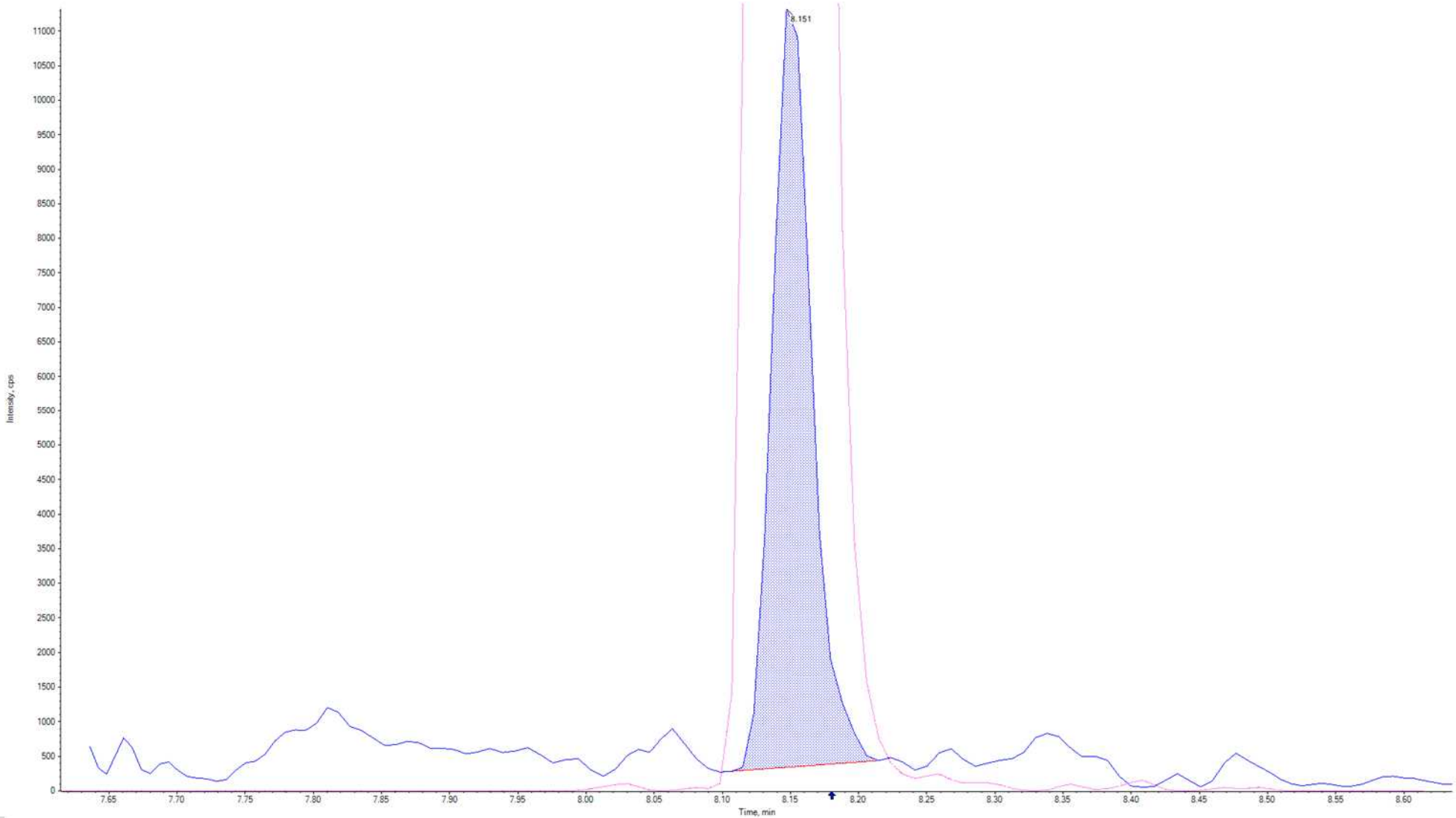
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA_2
Sample: L2447890-03 S/N:756.0 Points Across peak:19



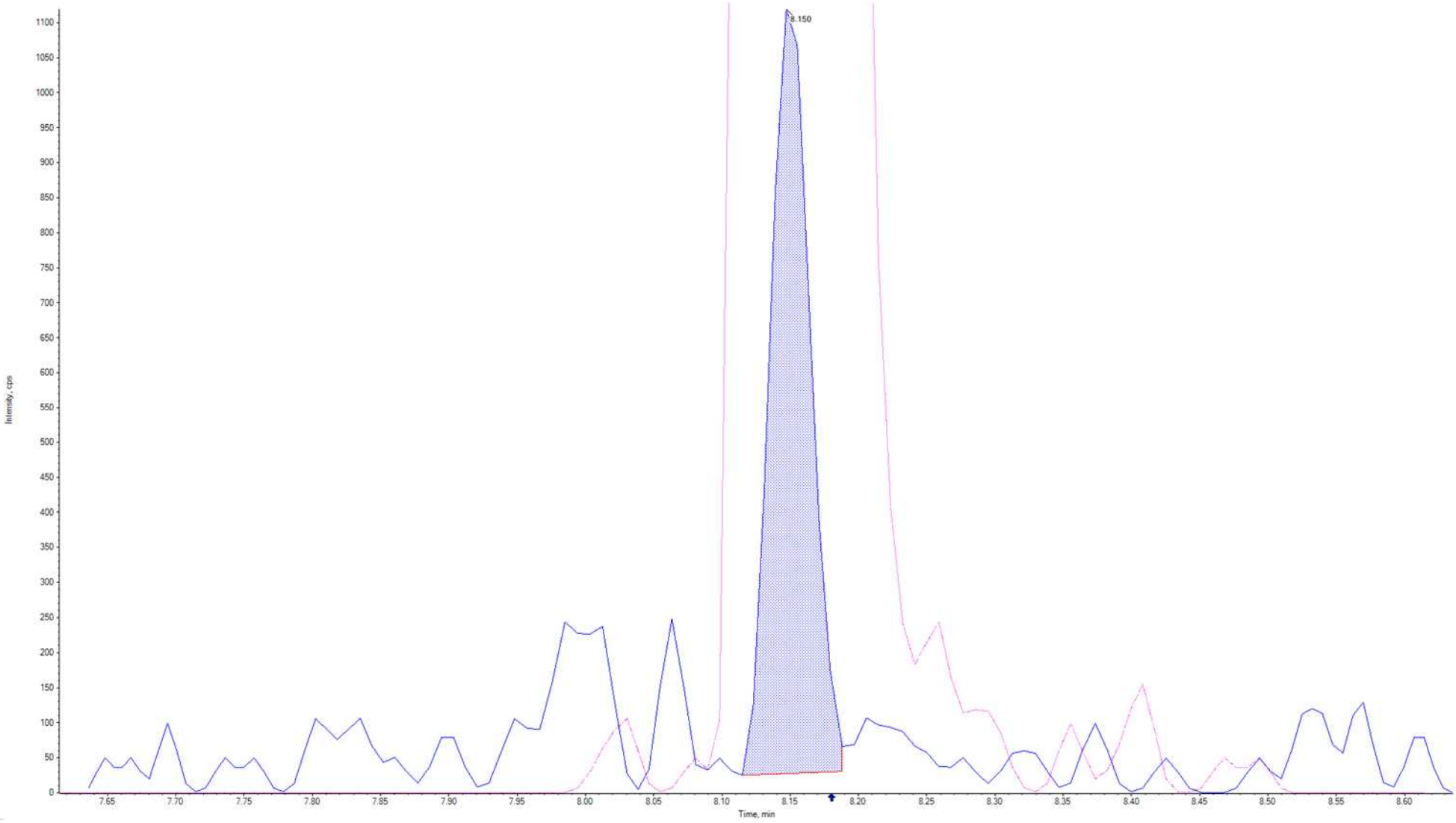
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDA
Sample: L2447890-03 S/N:261.1 Points Across peak:15



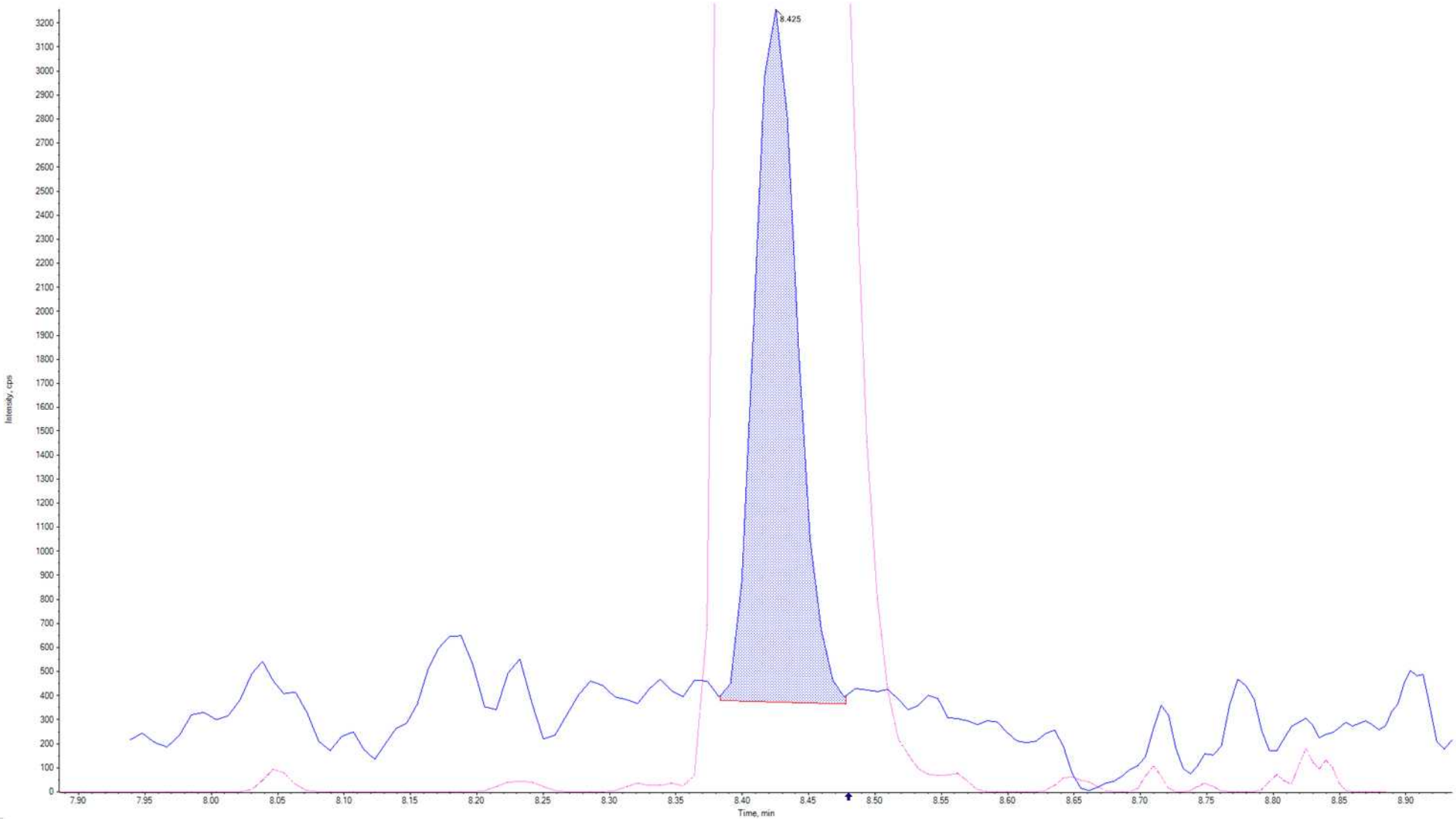
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDA_2
Sample: L2447890-03 S/N:404.2 Points Across peak:10



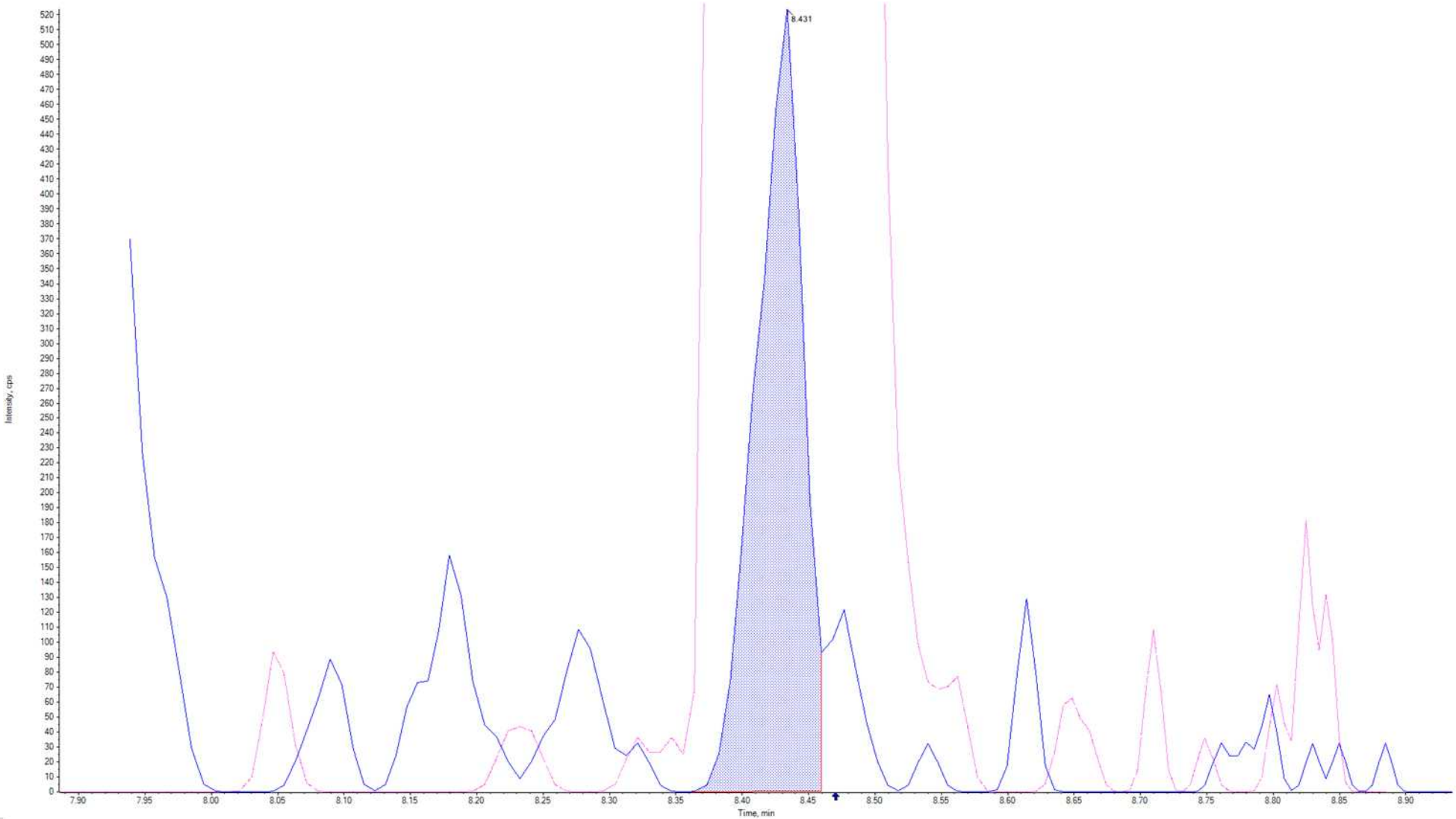
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA
Sample: L2447890-03 S/N:220.3 Points Across peak:13



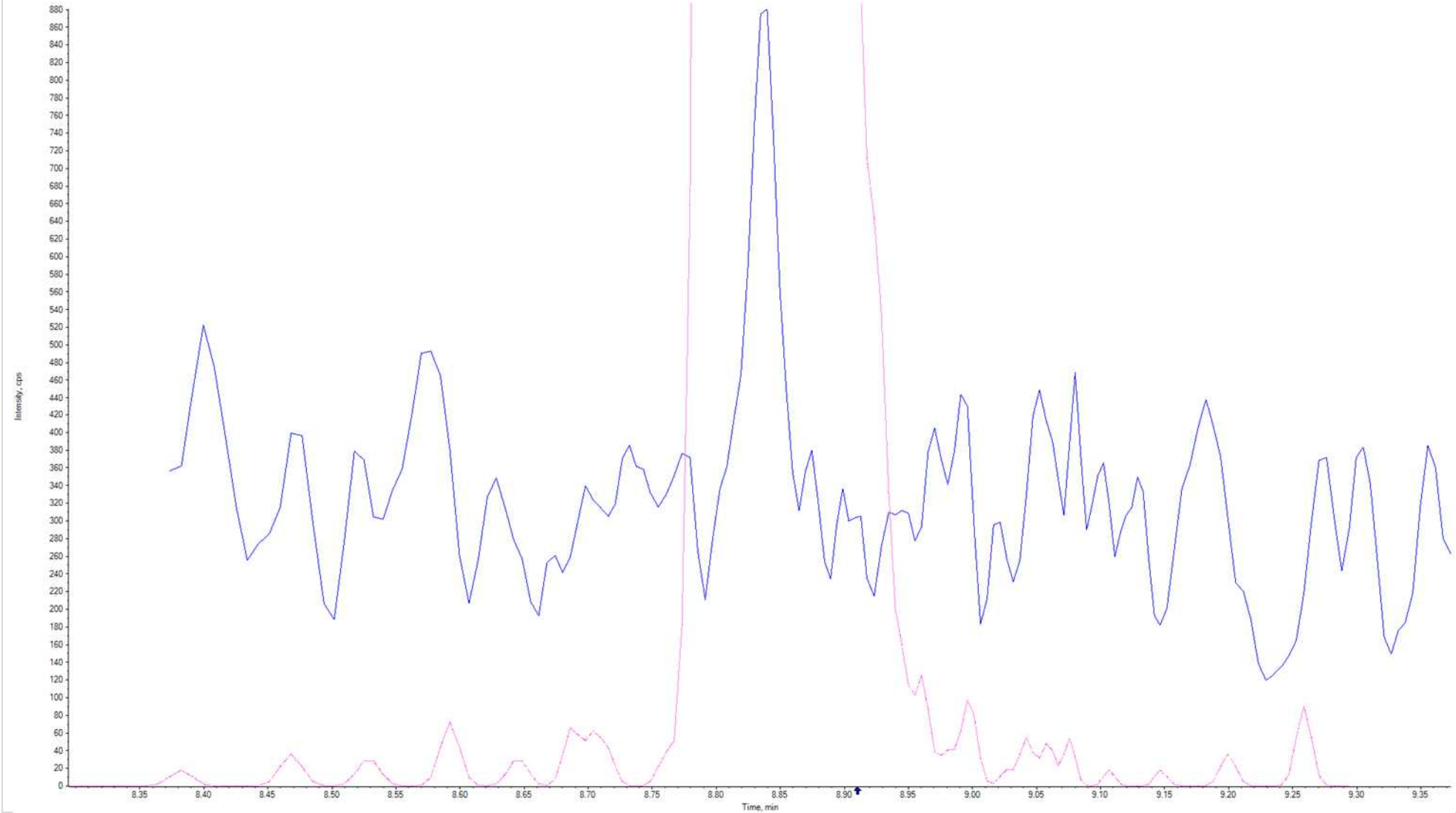
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA_2
Sample: L2447890-03 S/N:47.8 Points Across peak:13



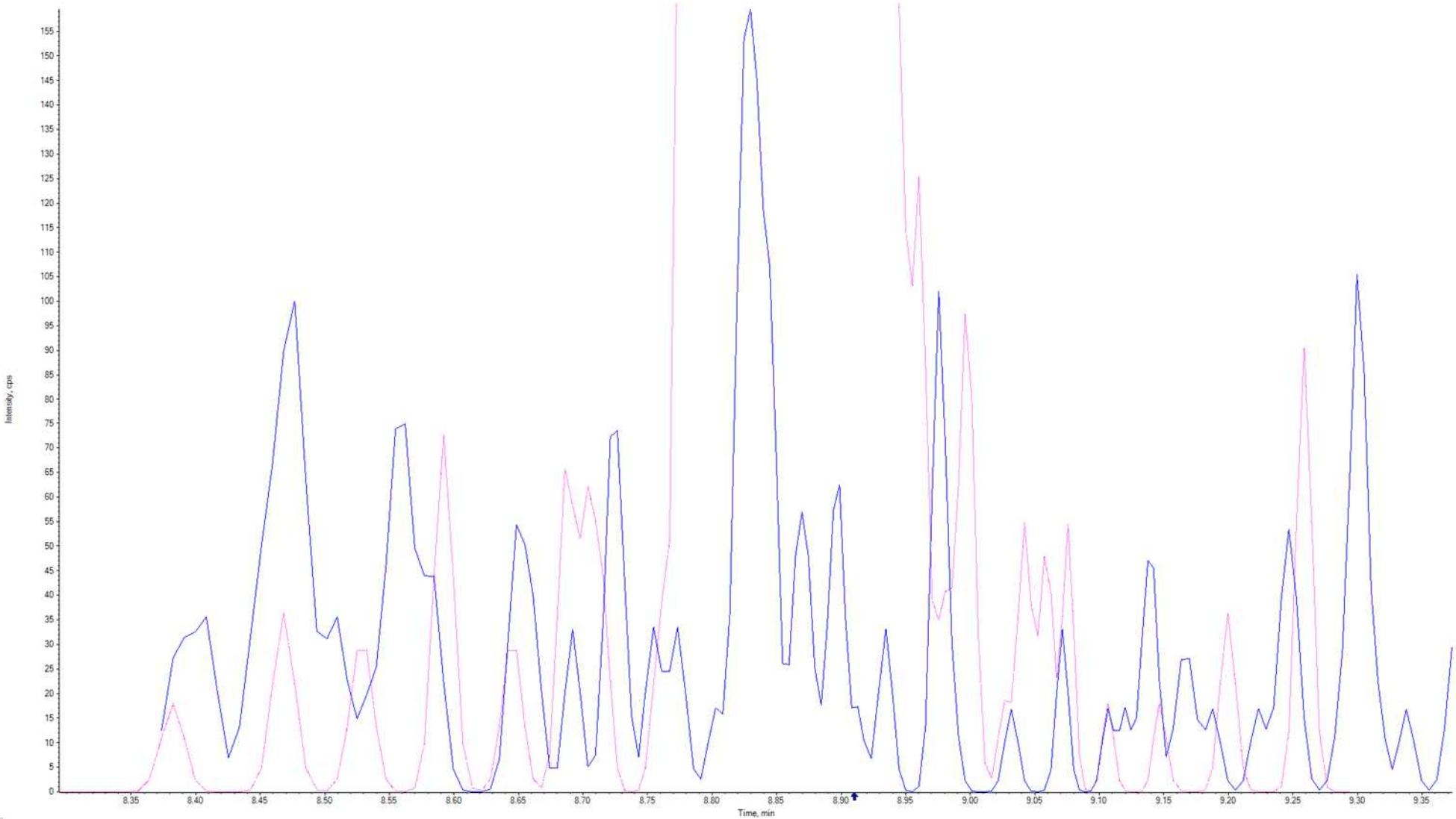
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



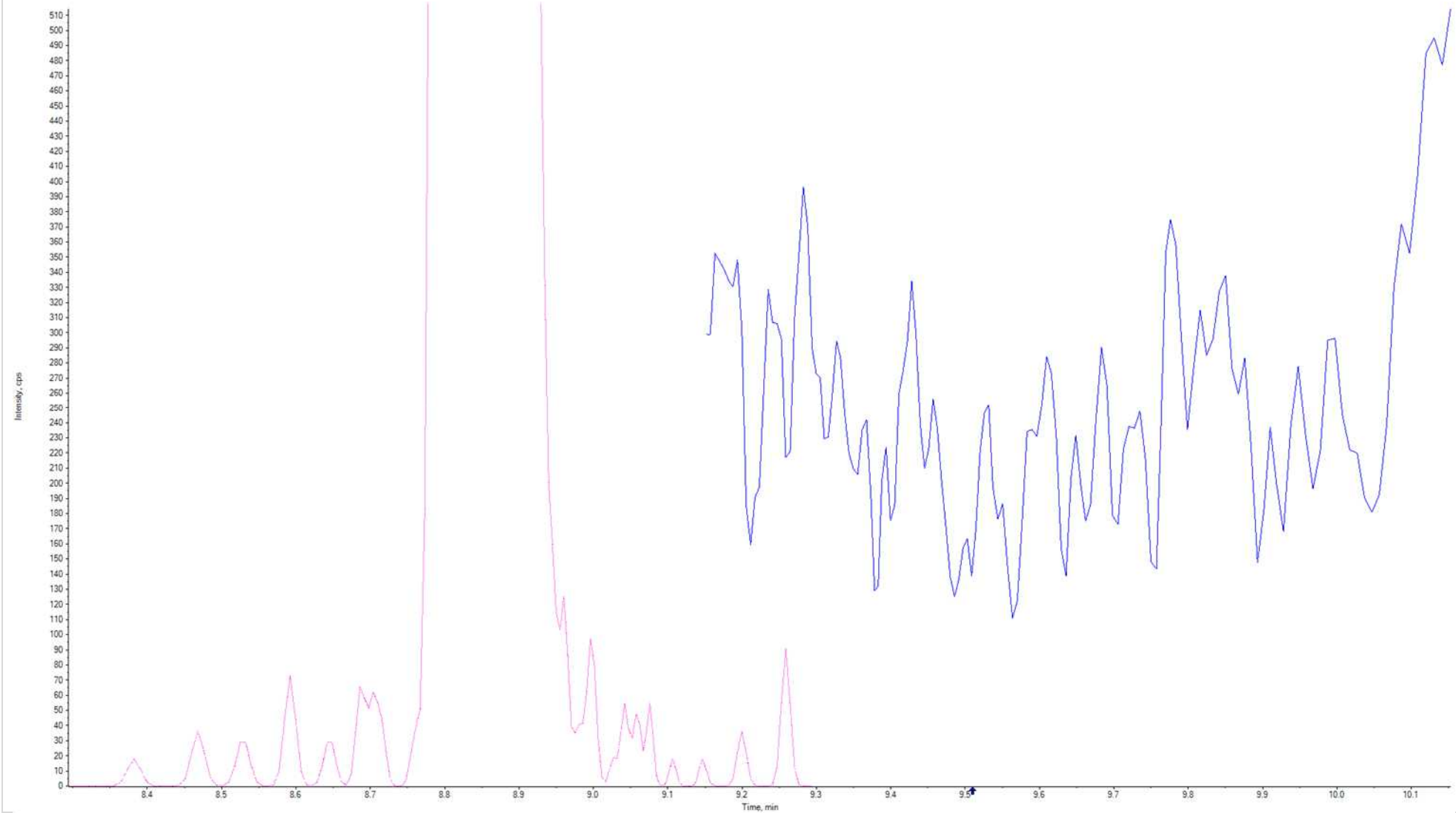
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



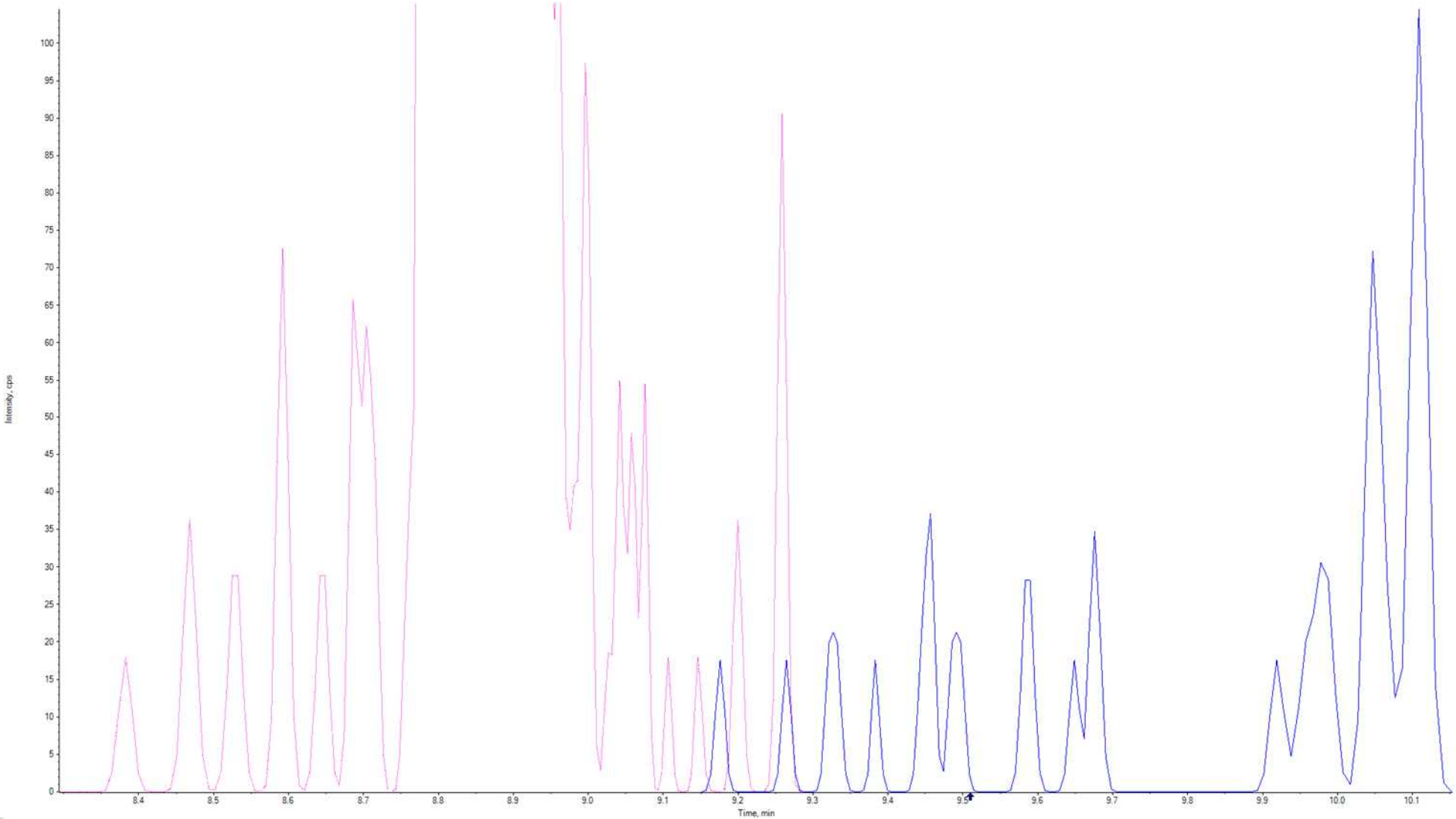
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



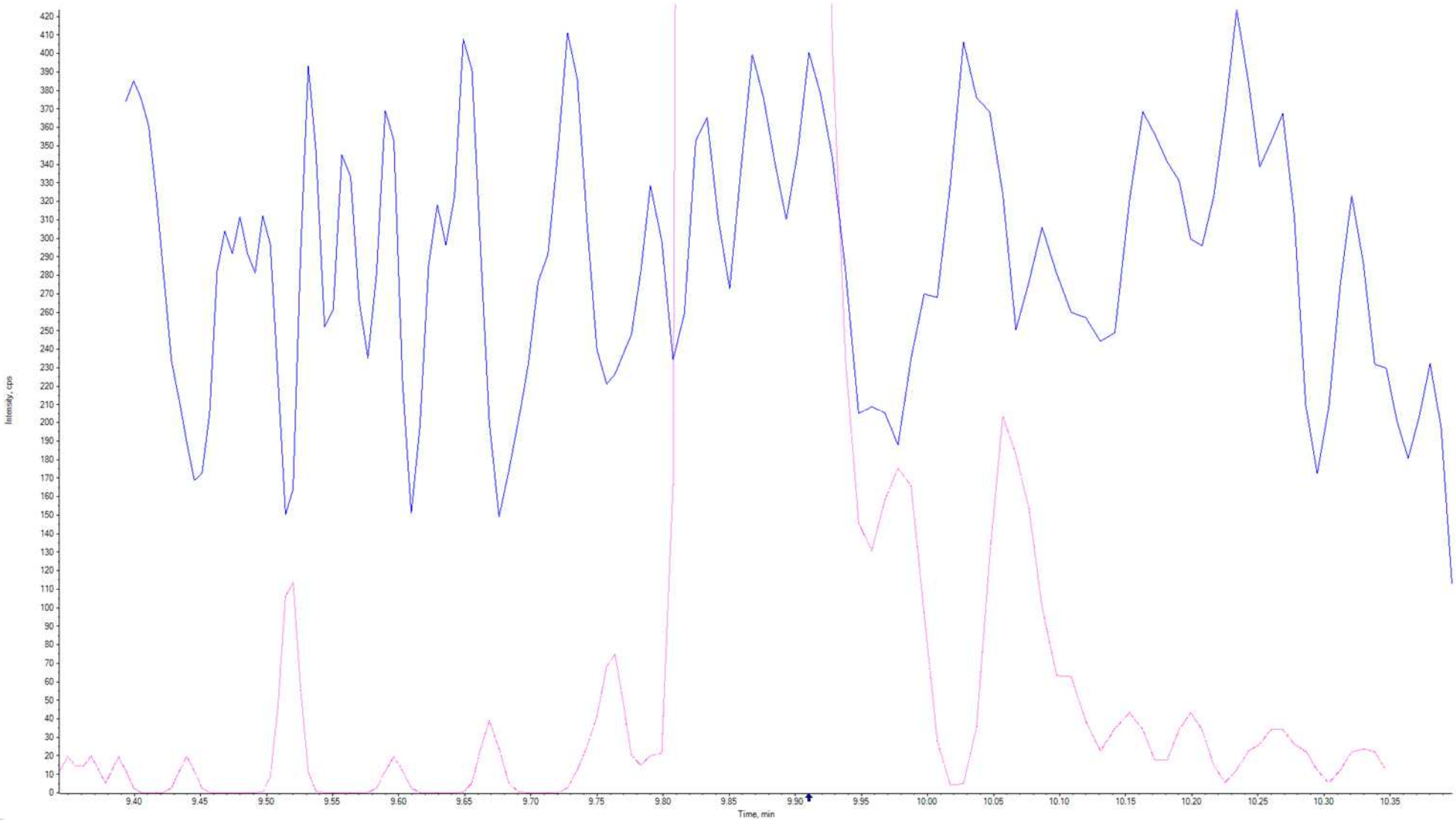
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



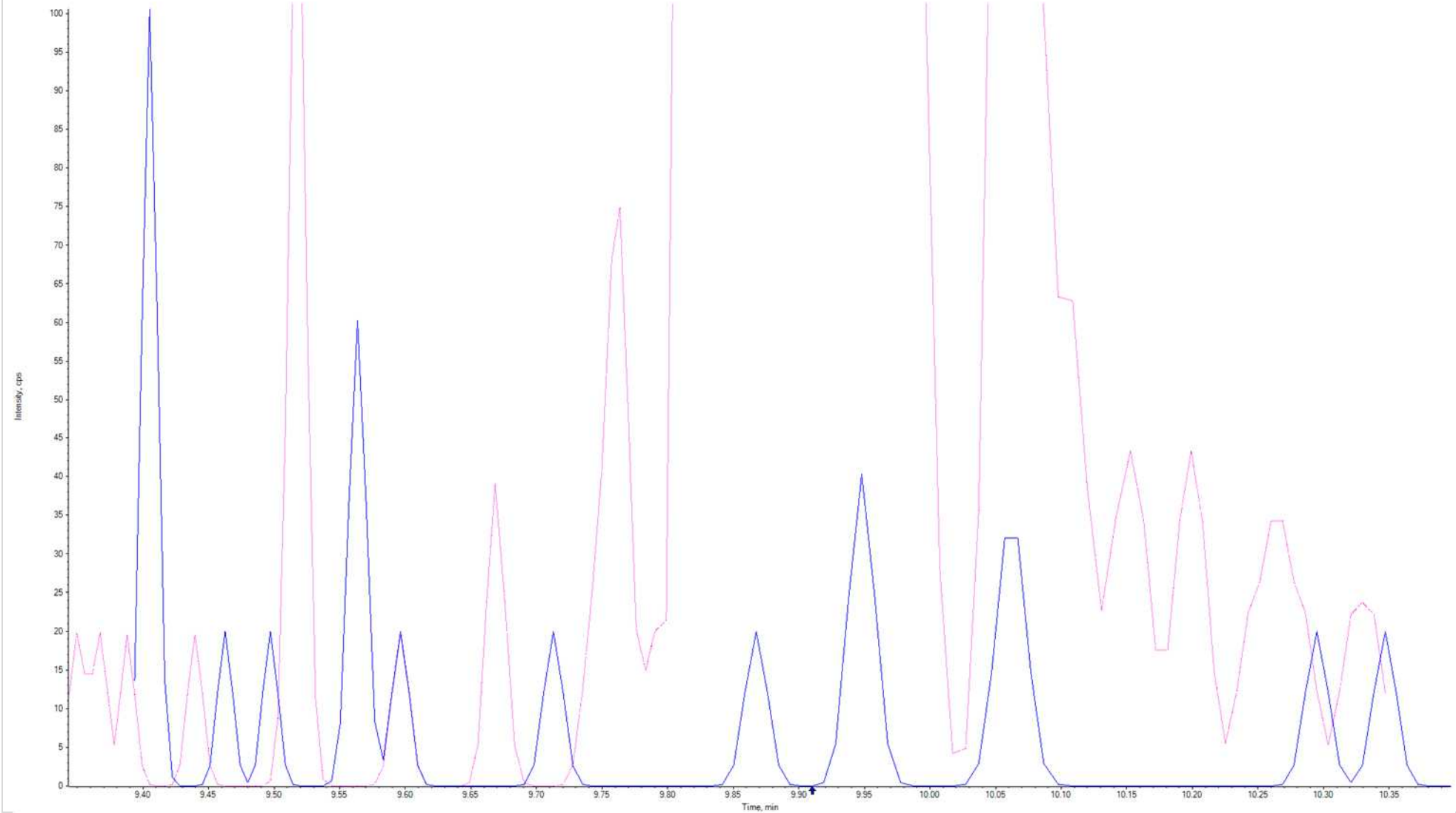
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



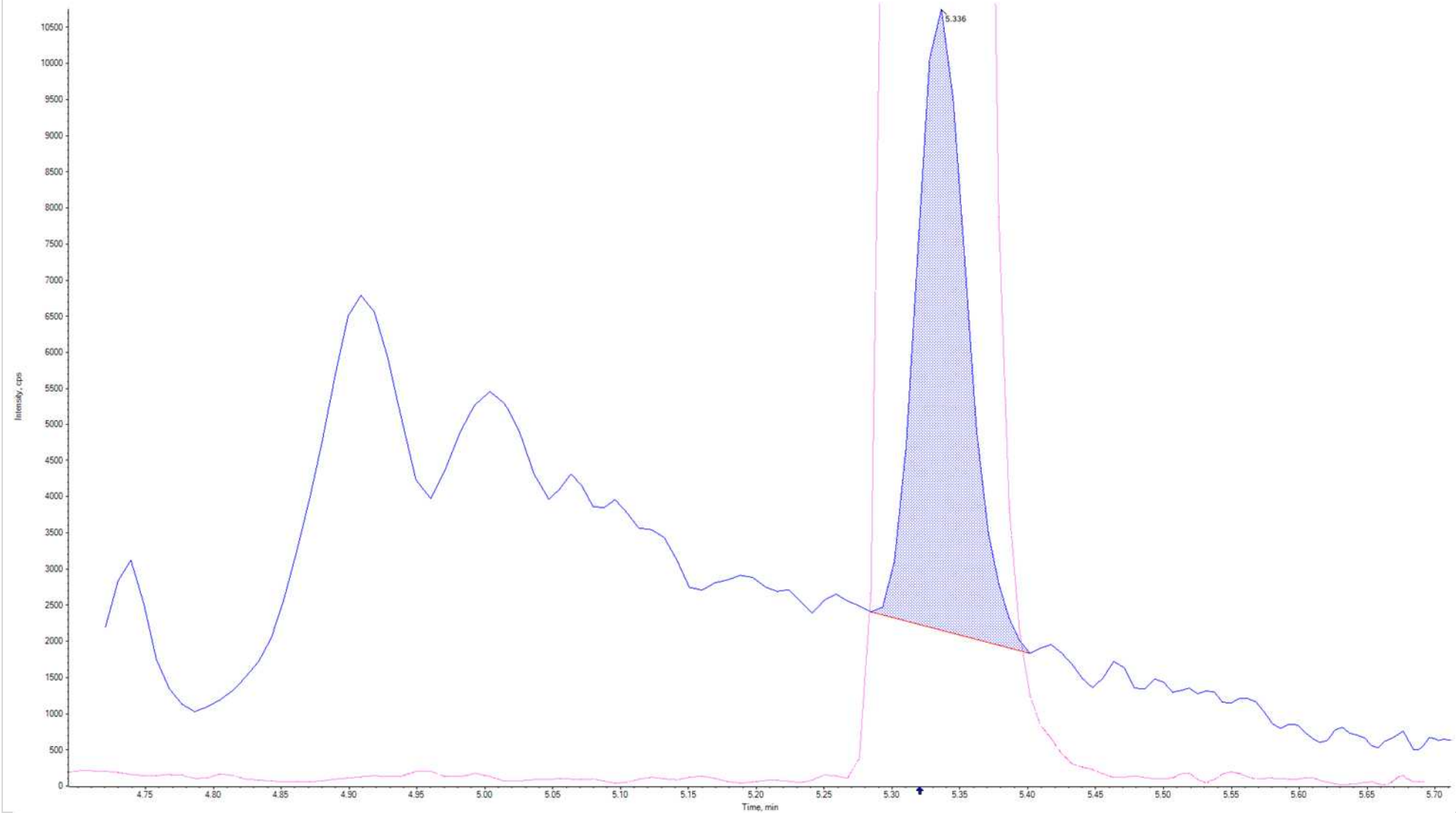
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



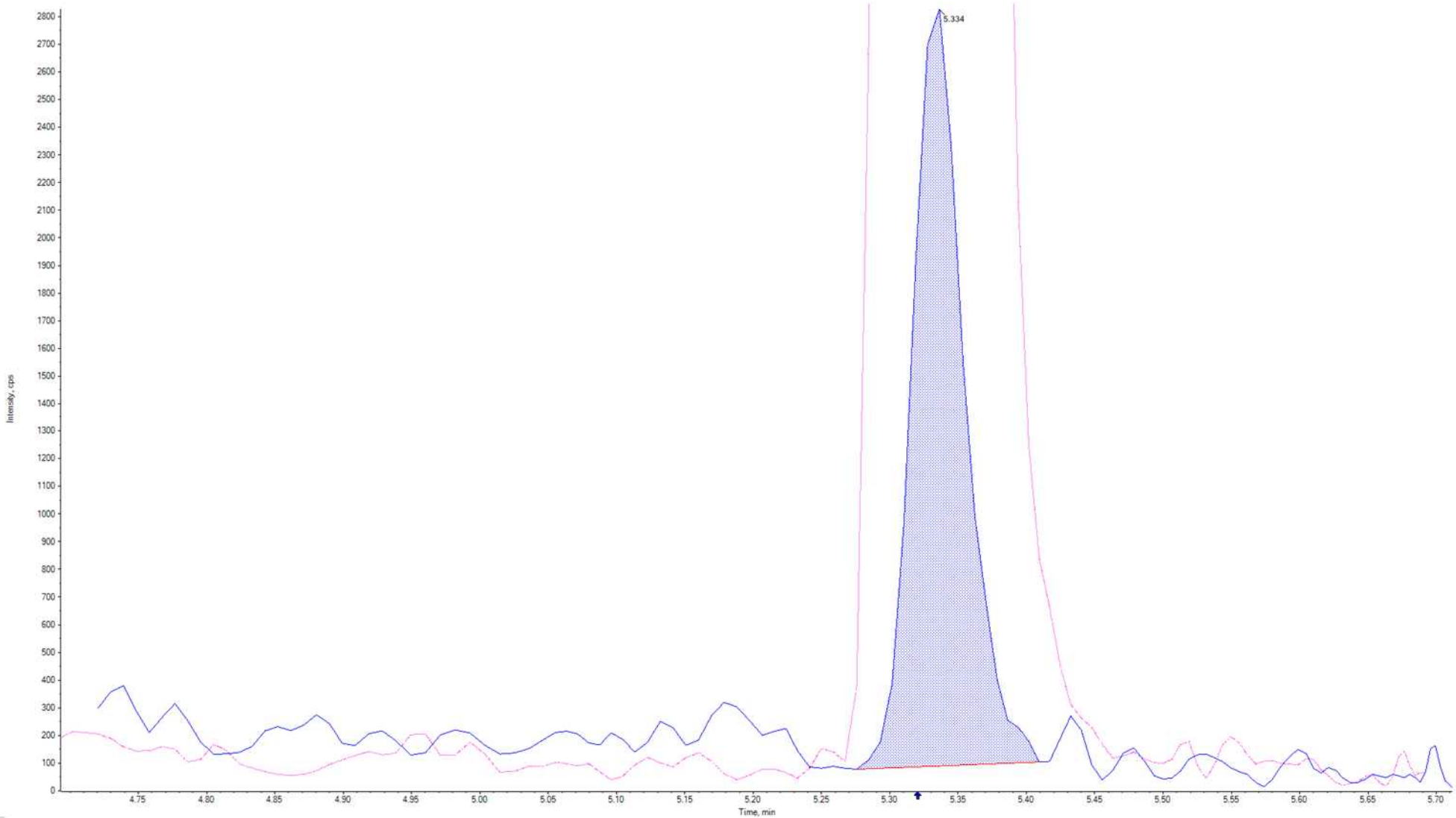
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBS
Sample: L2447890-03 S/N:25.6 Points Across peak:15



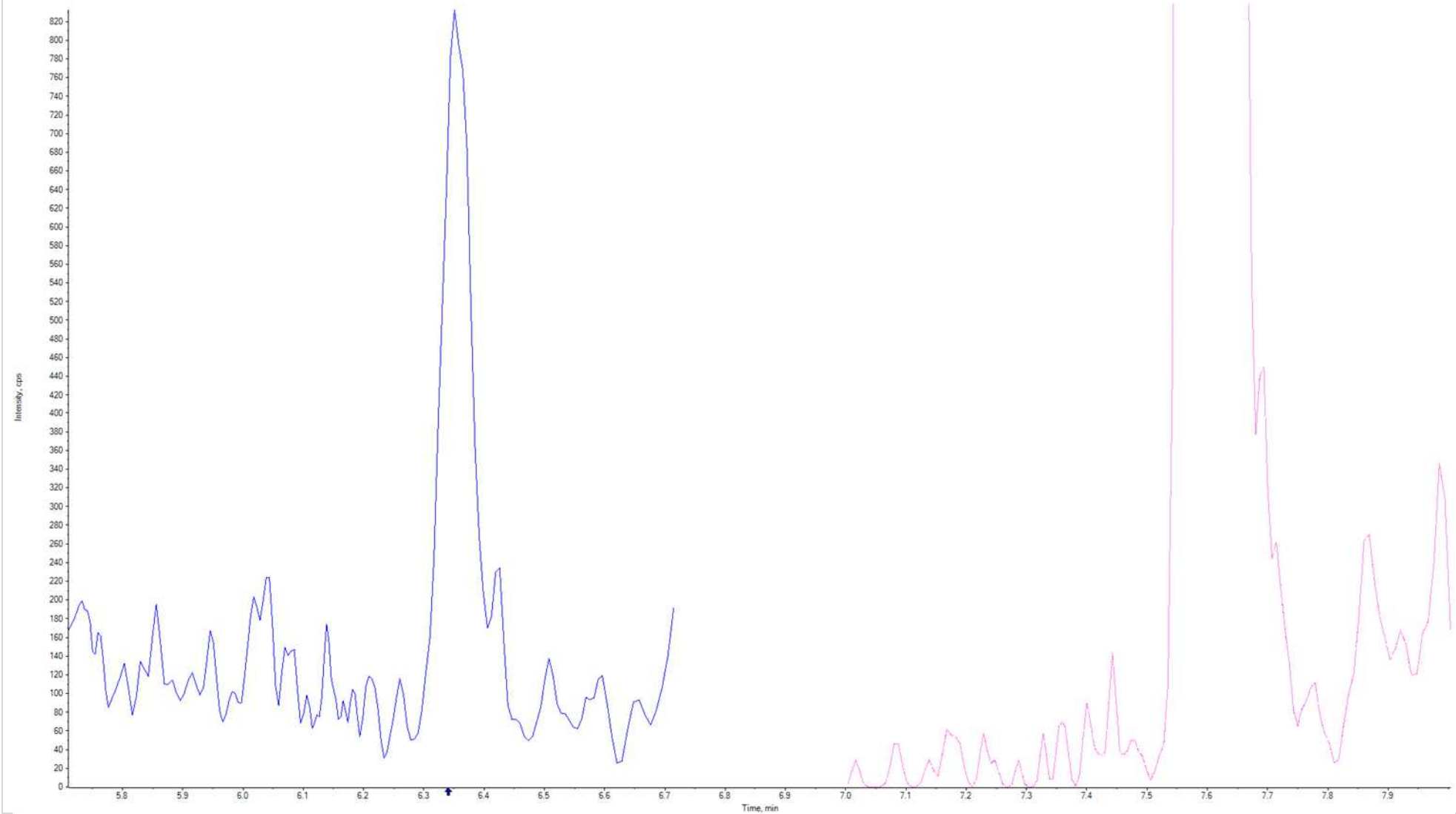
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBS_2
Sample: L2447890-03 S/N:222.2 Points Across peak:17



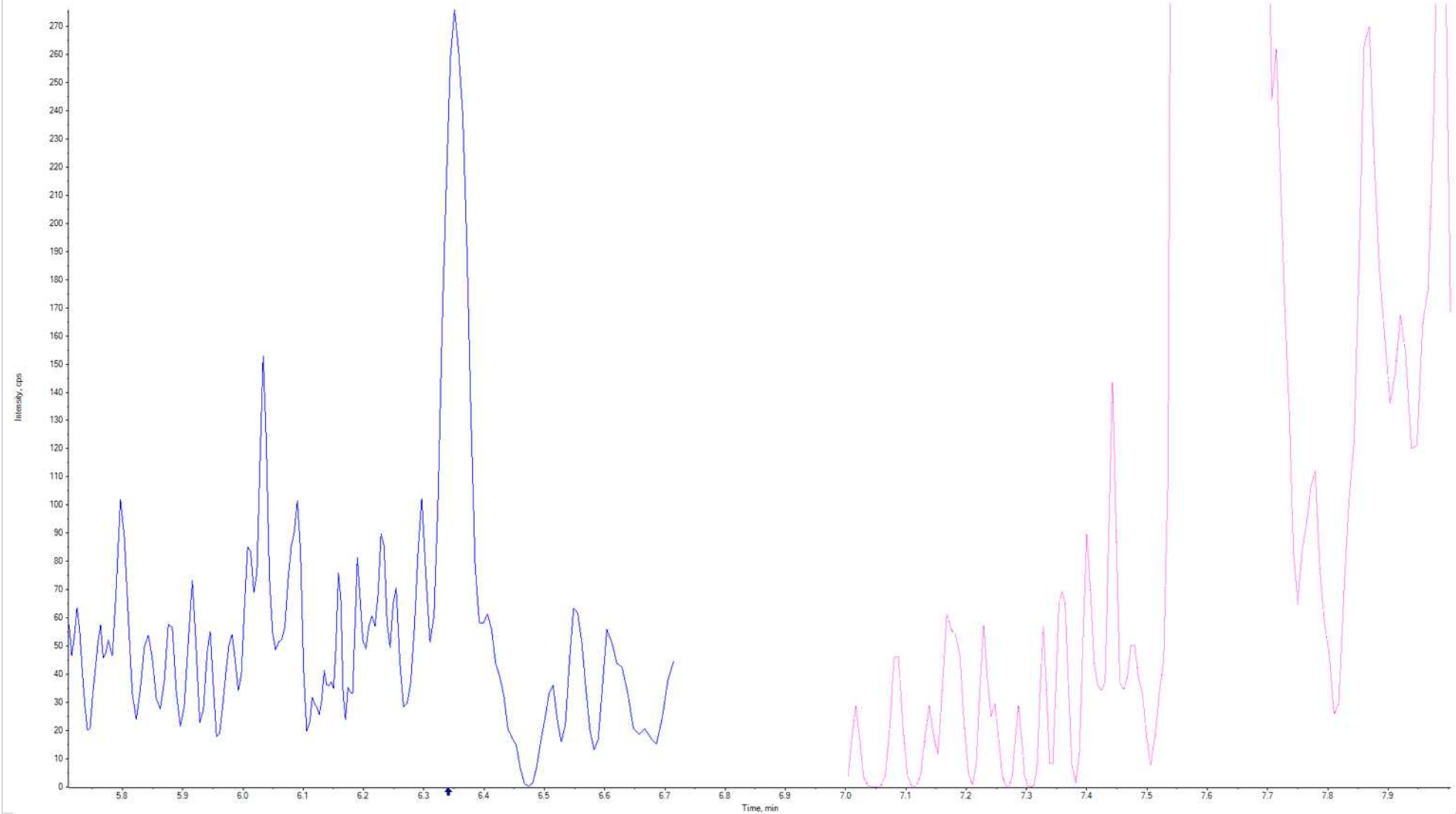
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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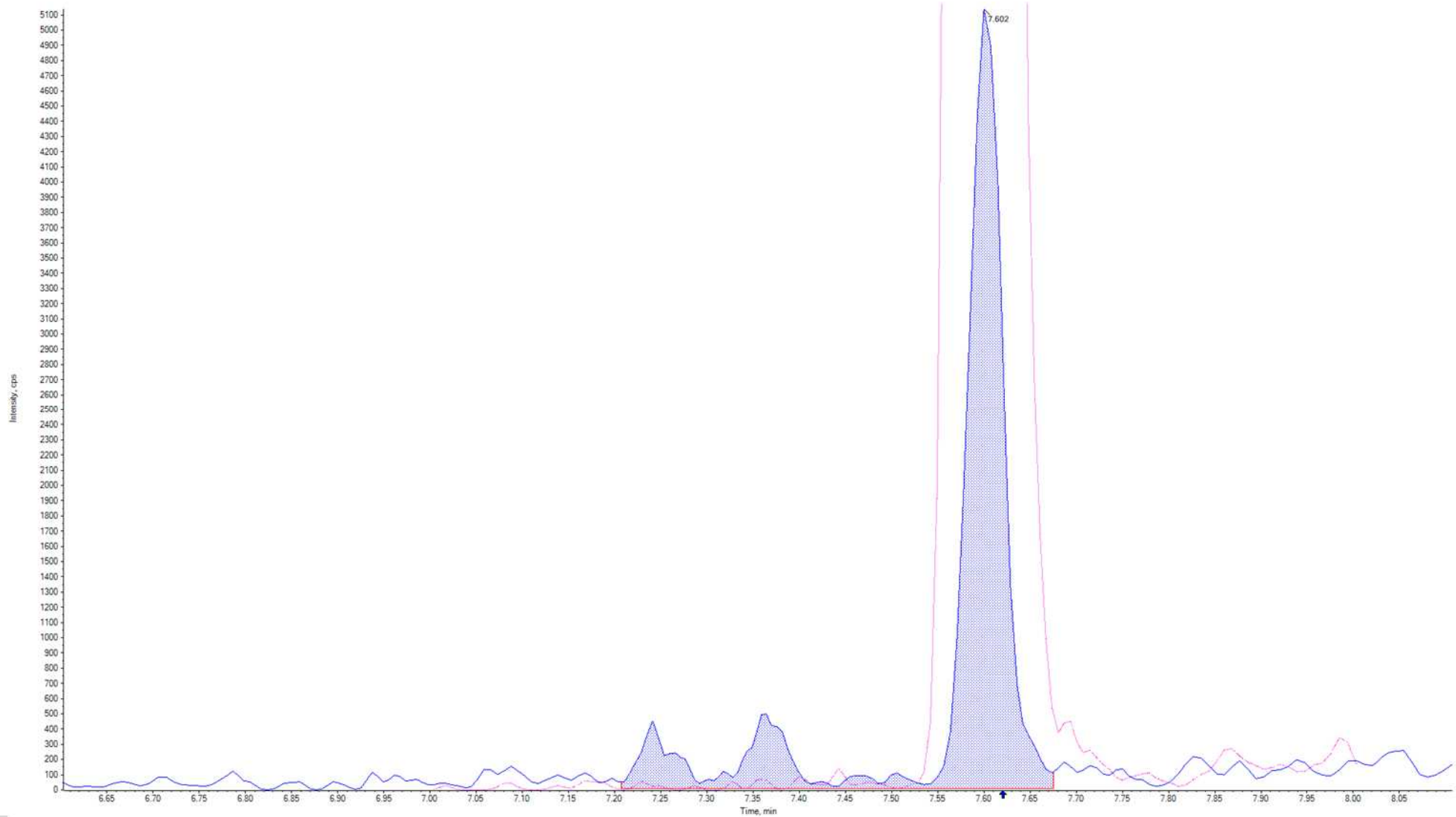
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: L2447890-03 S/N:1006.5 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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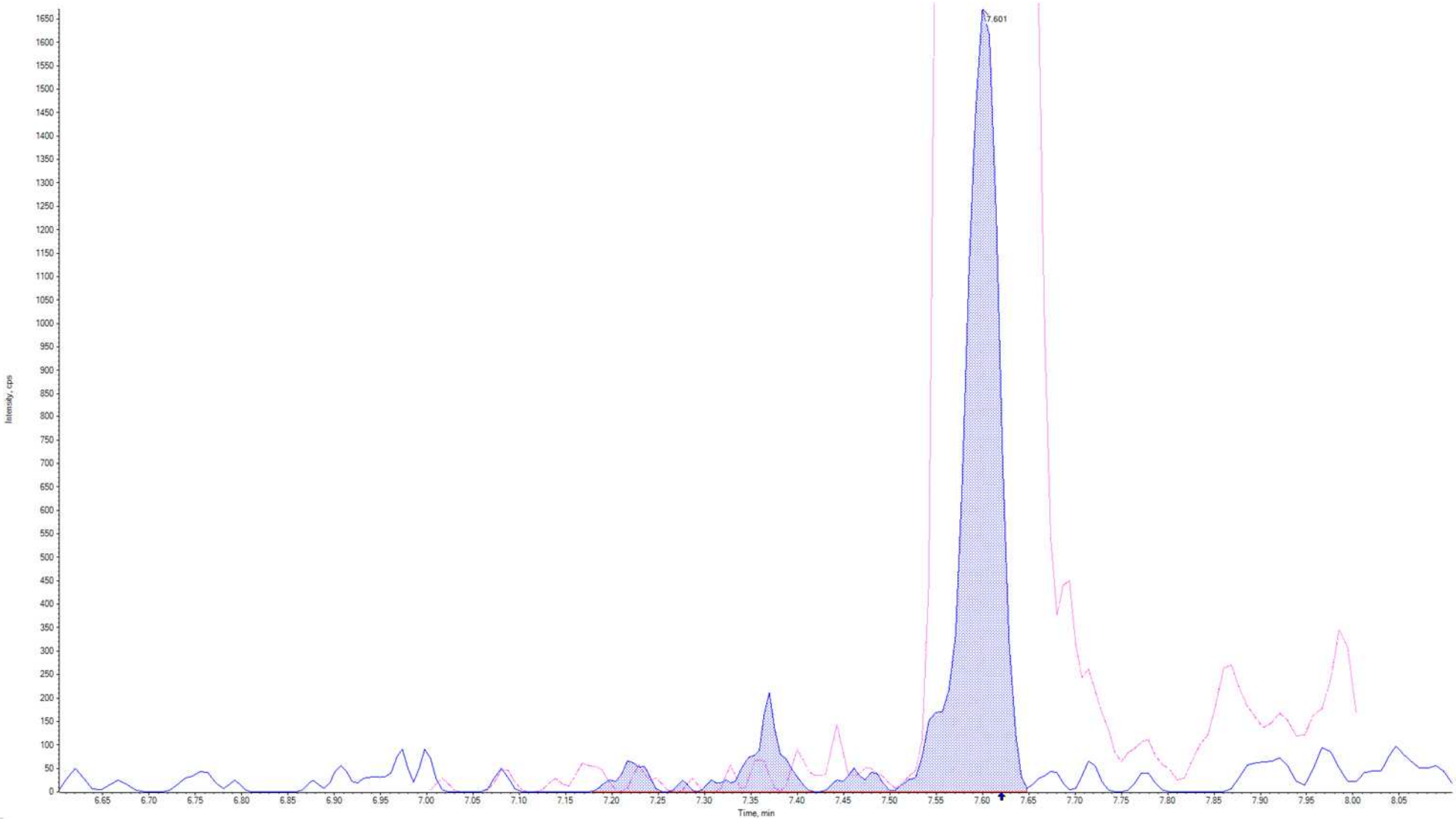
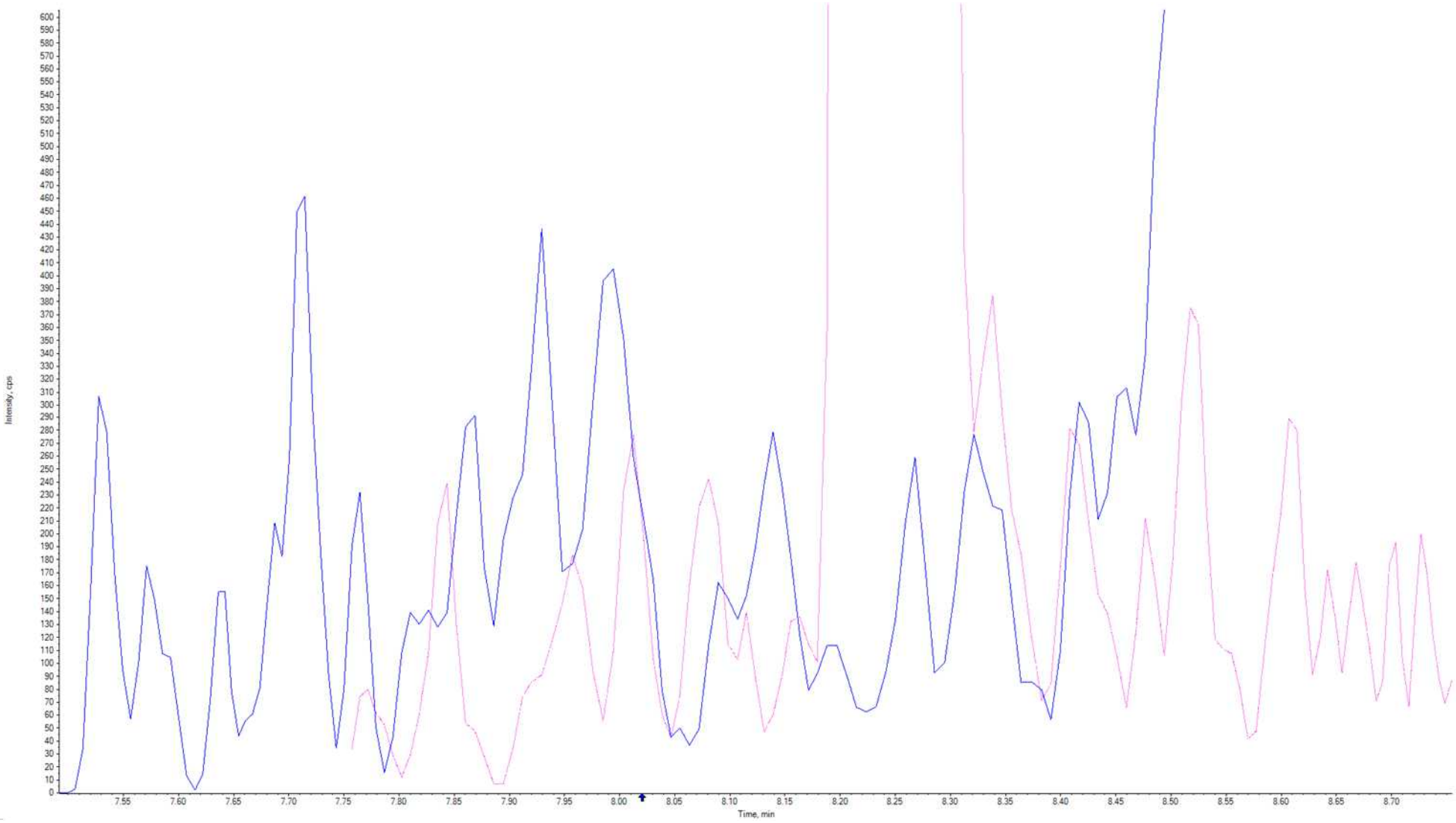
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: L2447890-03 S/N:148.1 Points Across peak:77



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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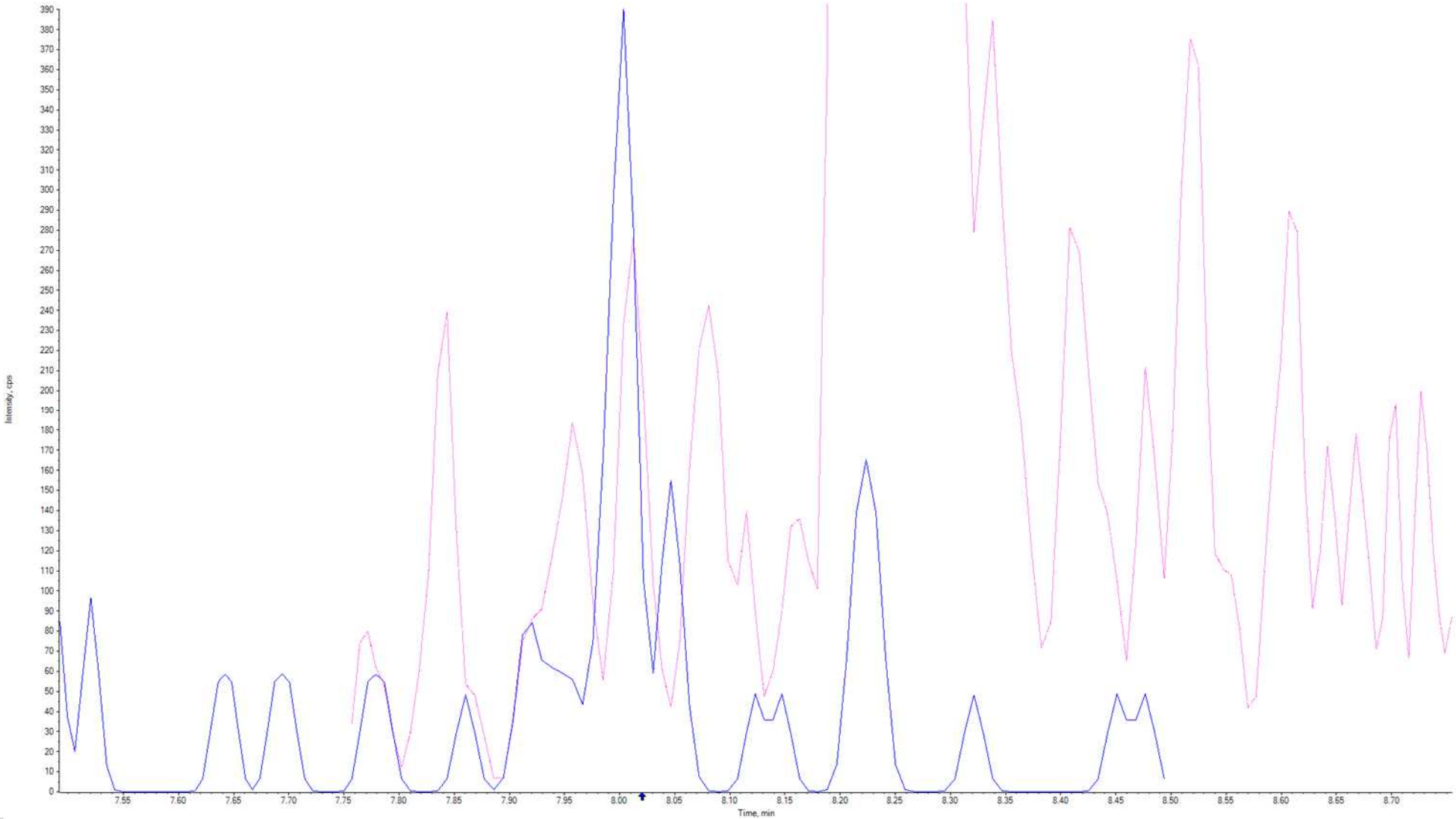
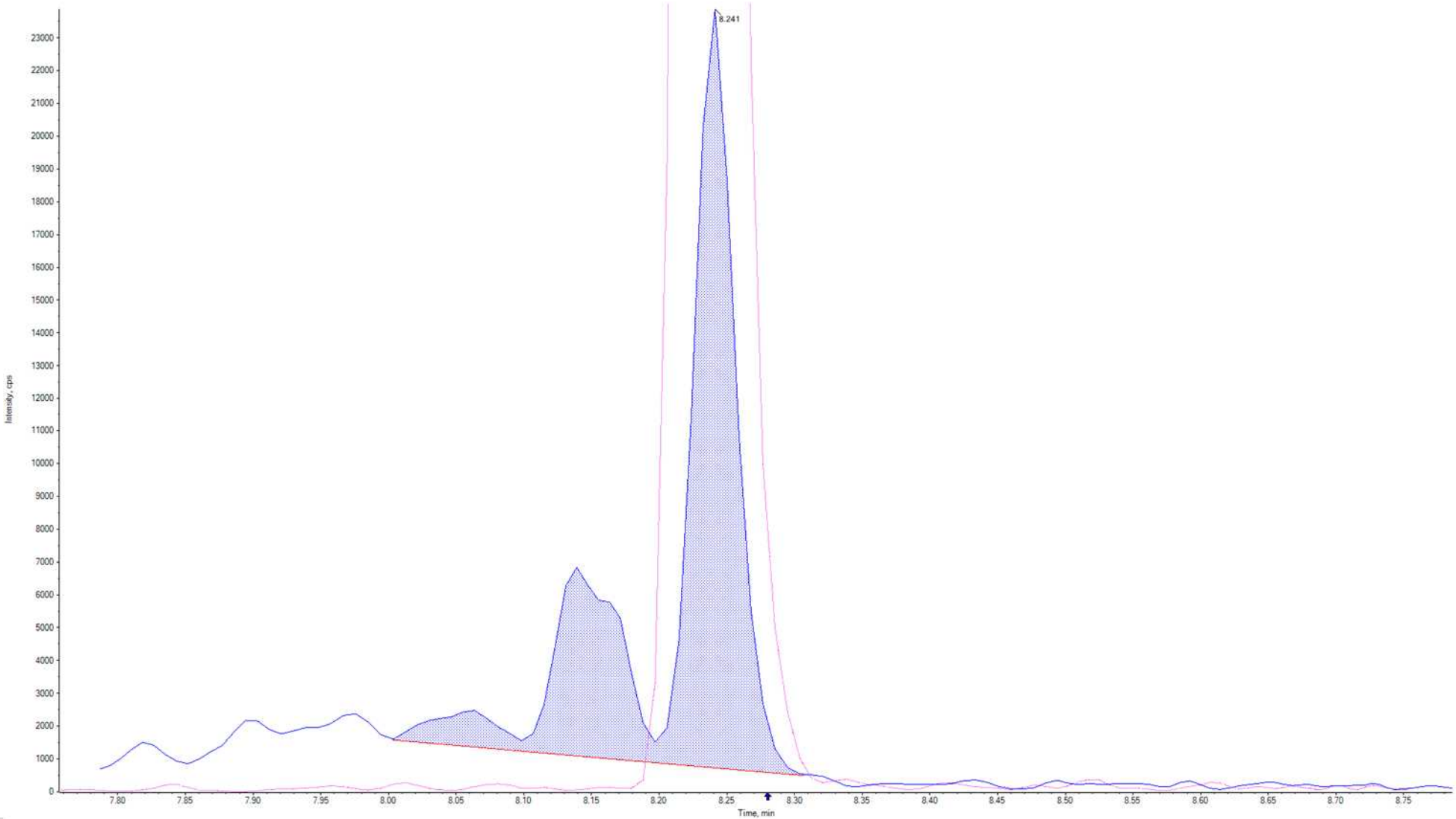
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



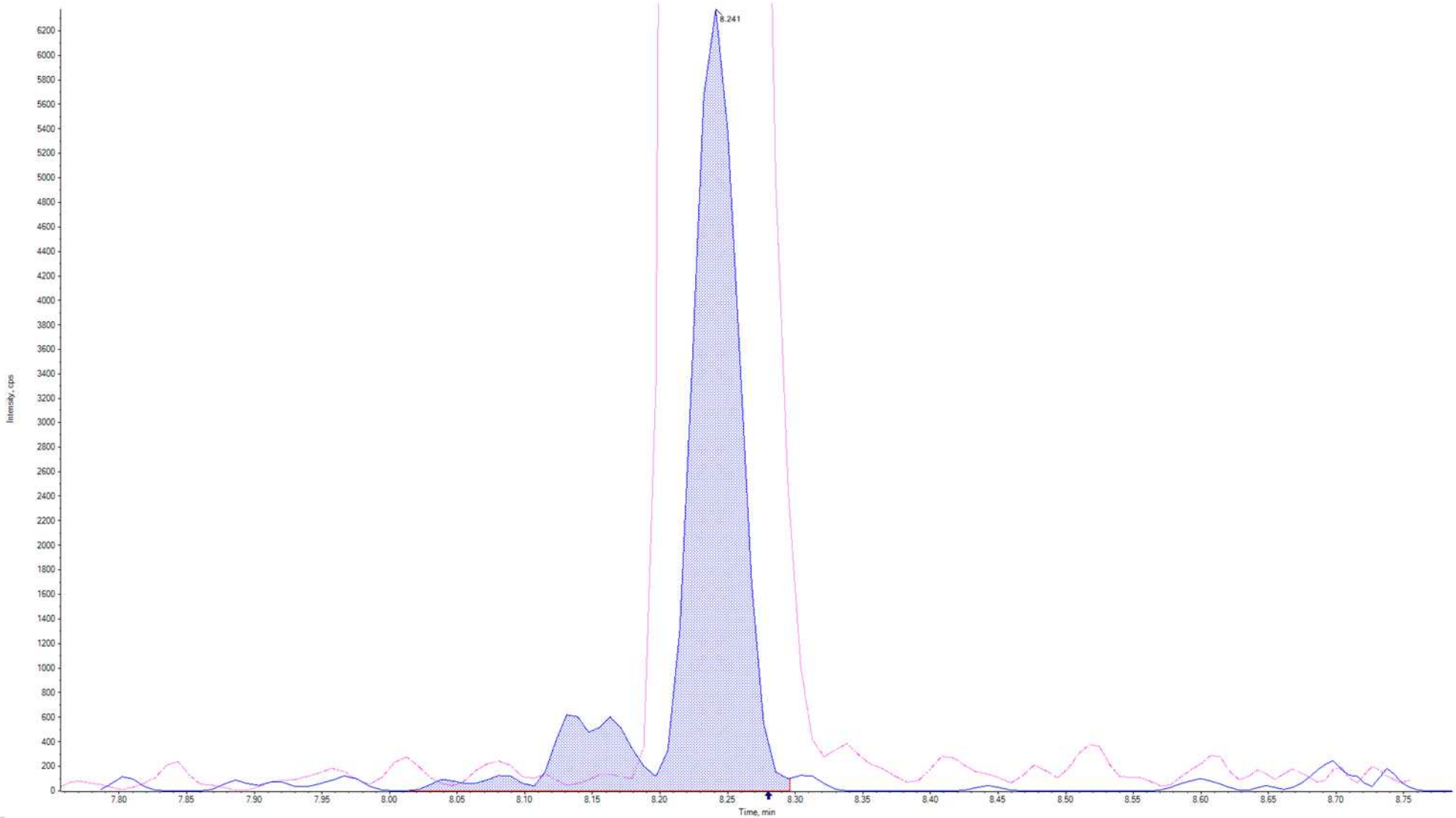
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: L2447890-03 S/N:437.9 Points Across peak:38



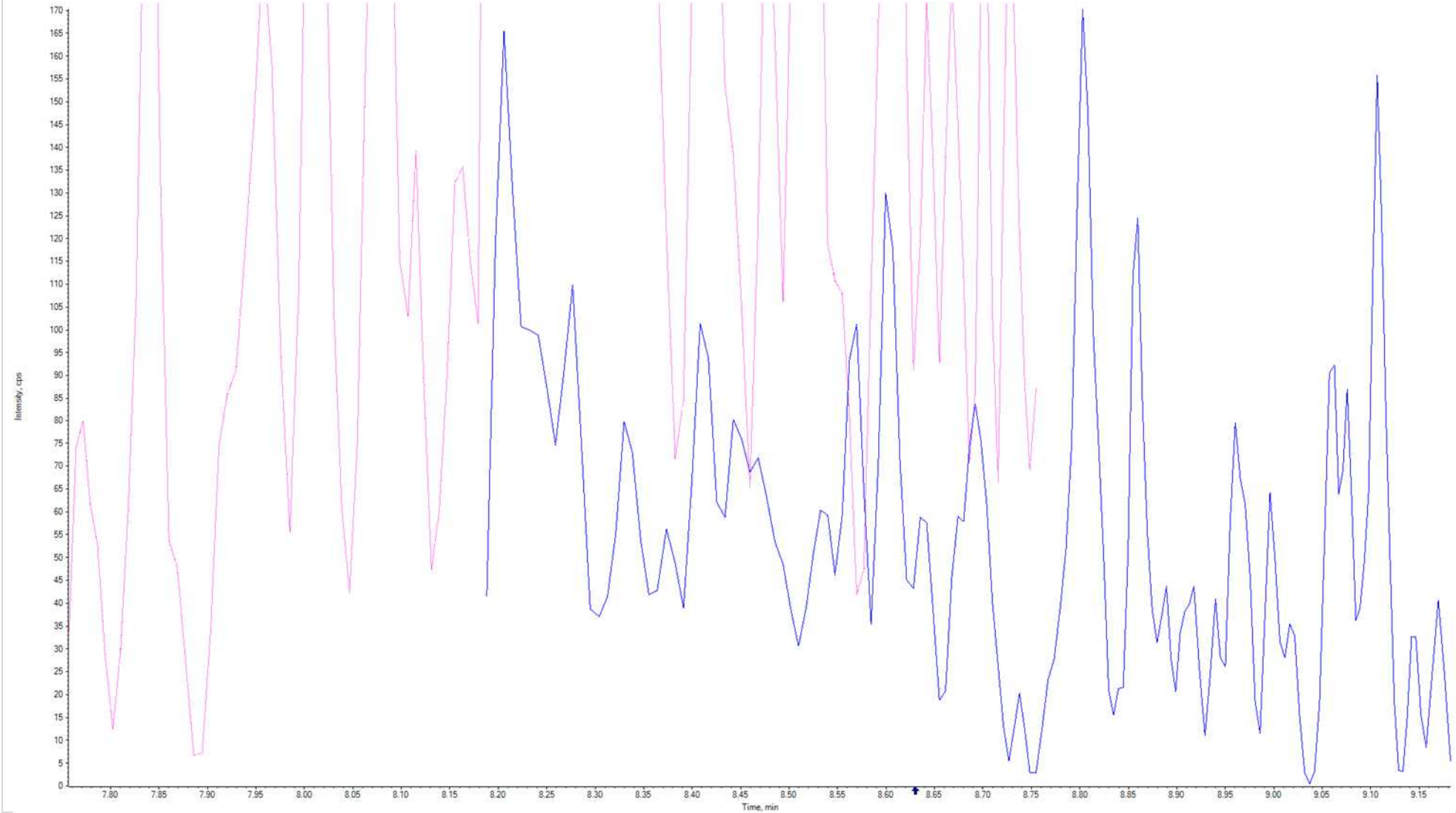
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: L2447890-03 S/N:214.6 Points Across peak:35



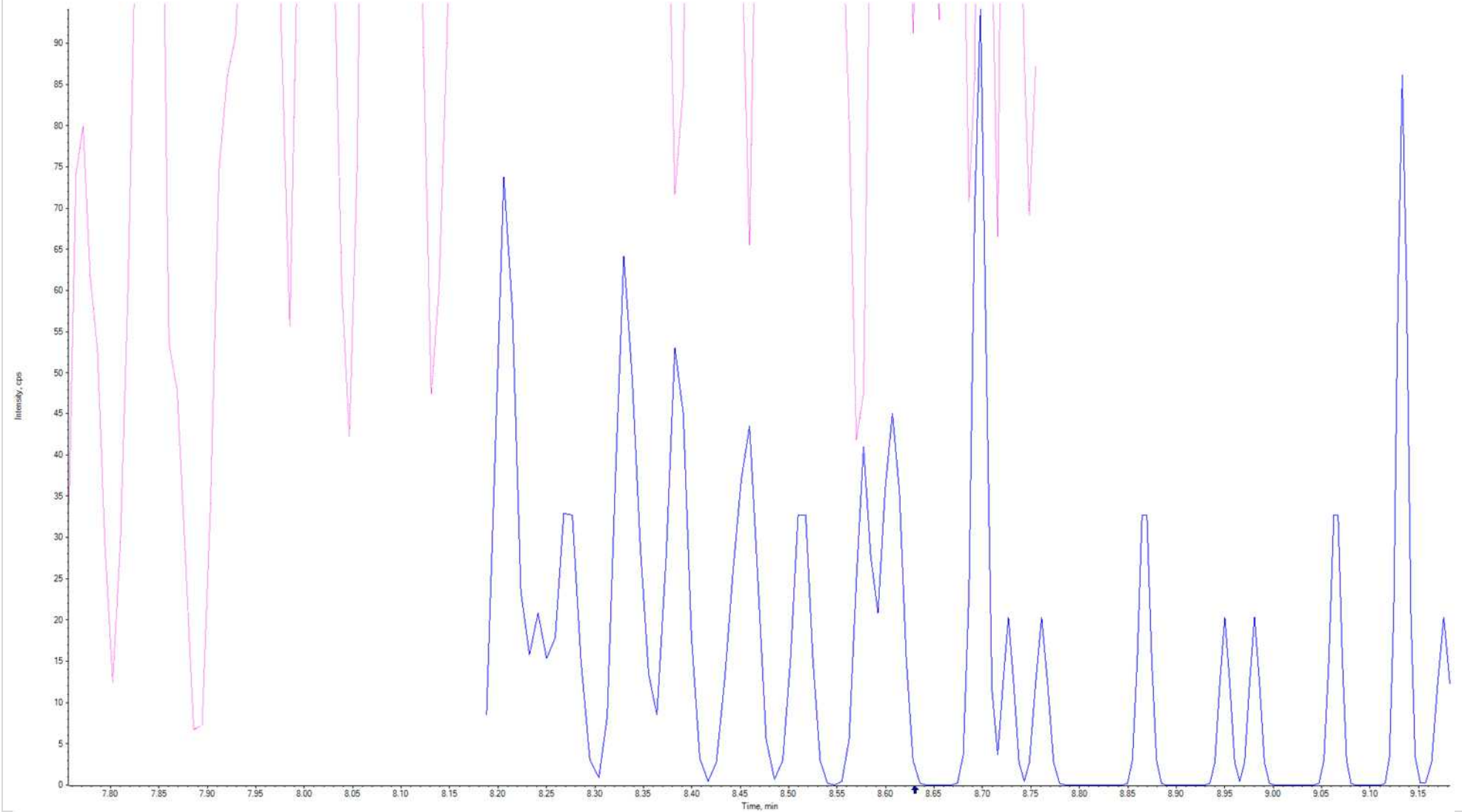
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



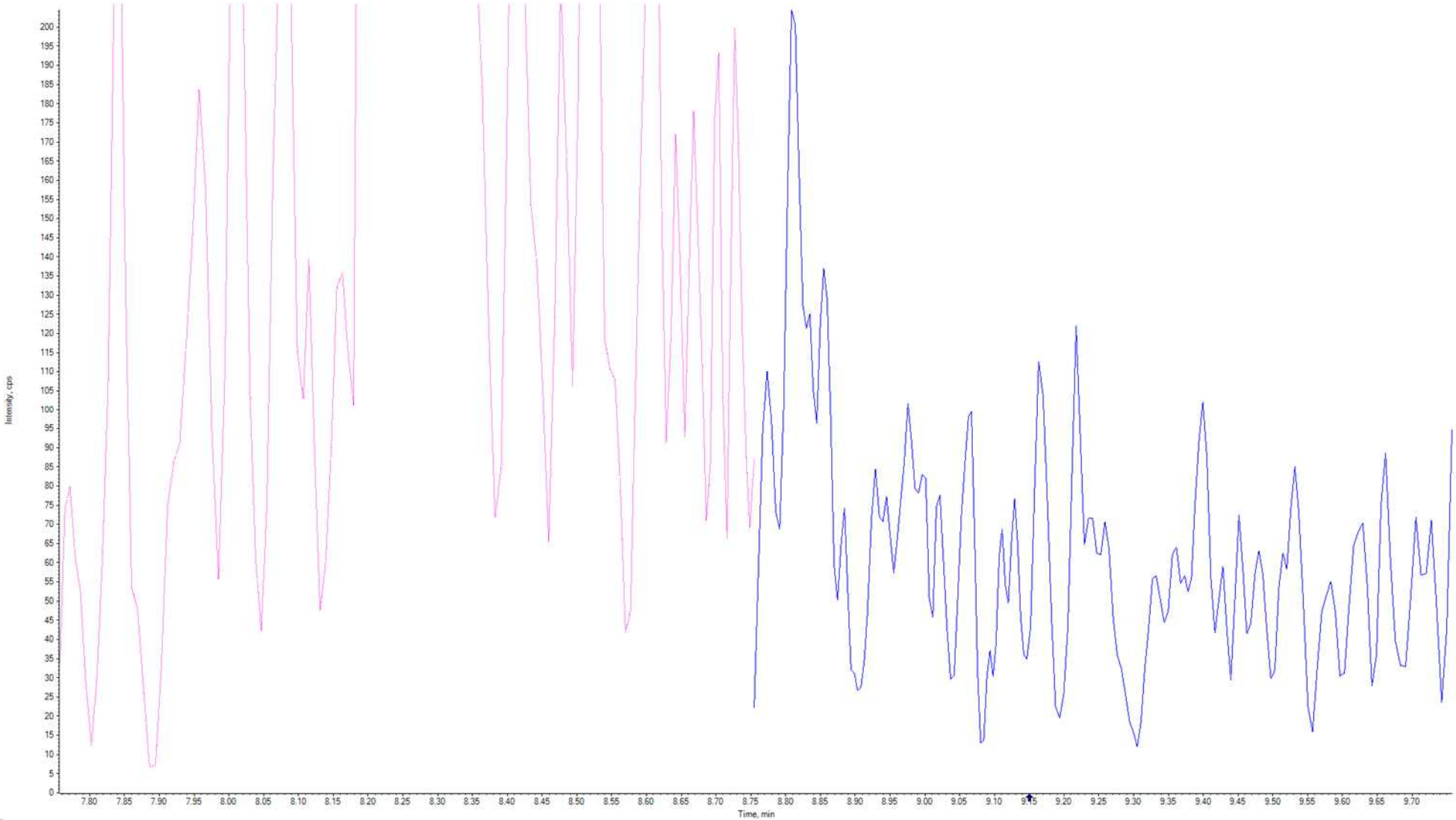
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



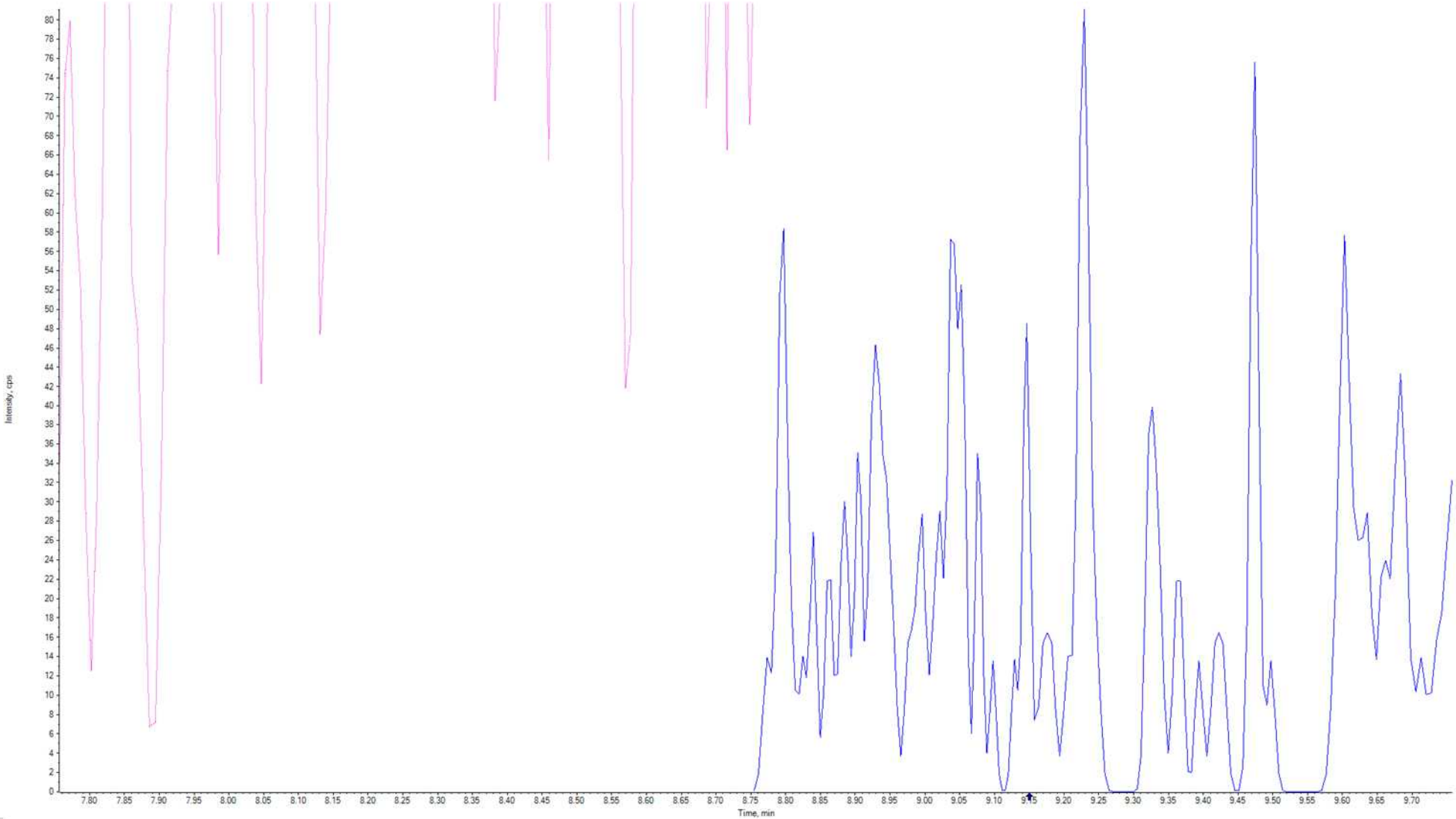
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



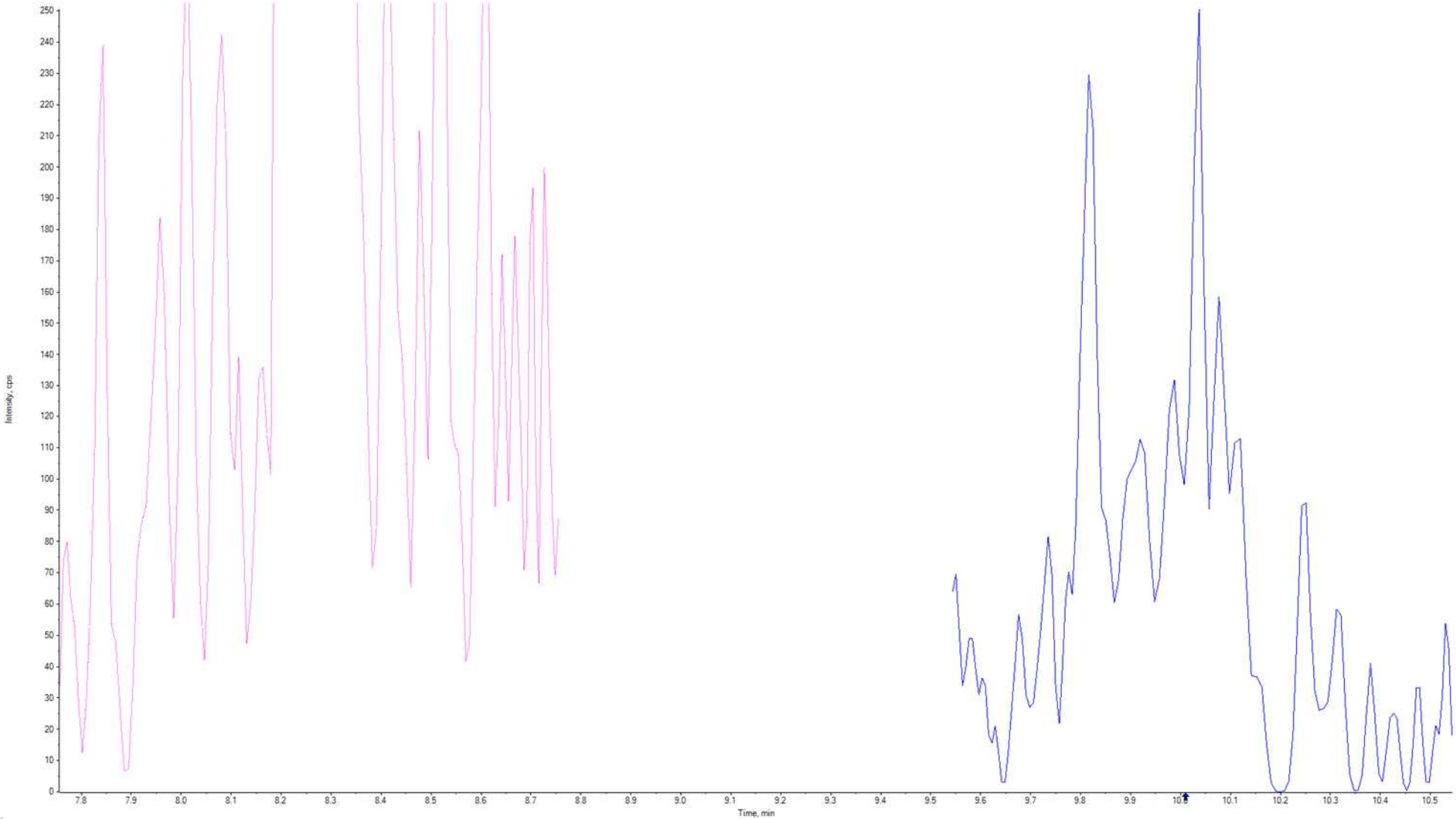
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



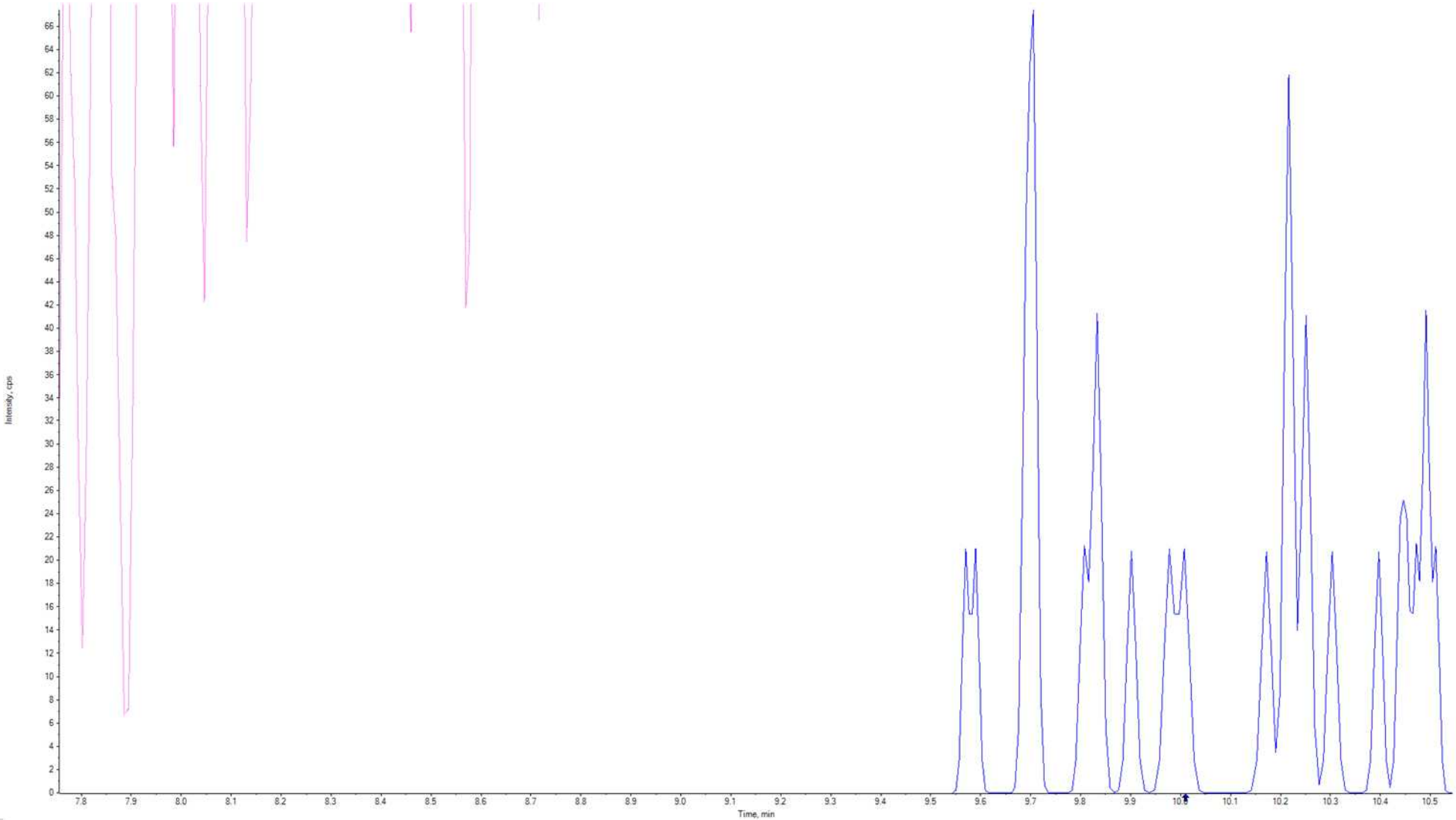
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



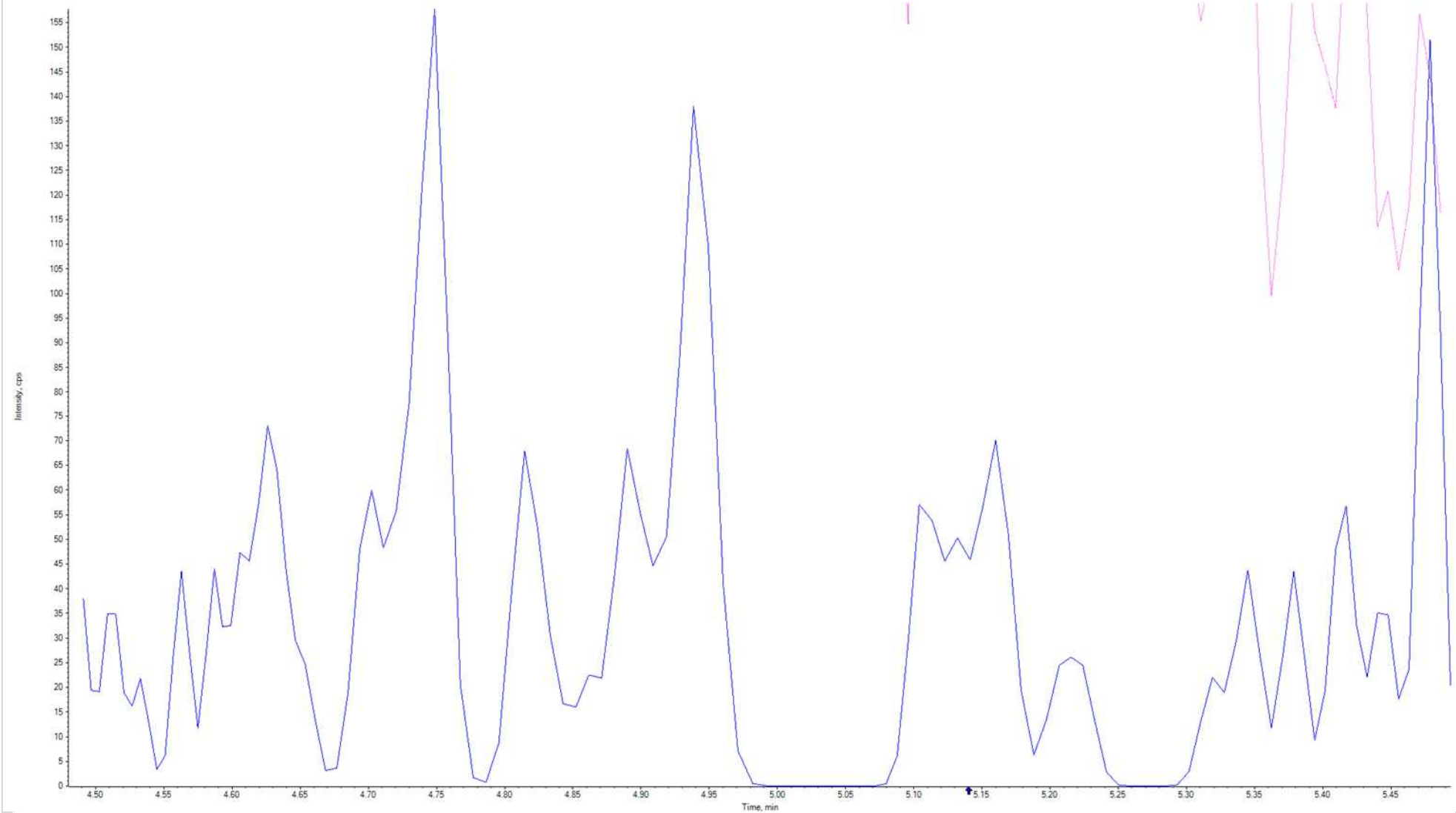
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_21.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS_2
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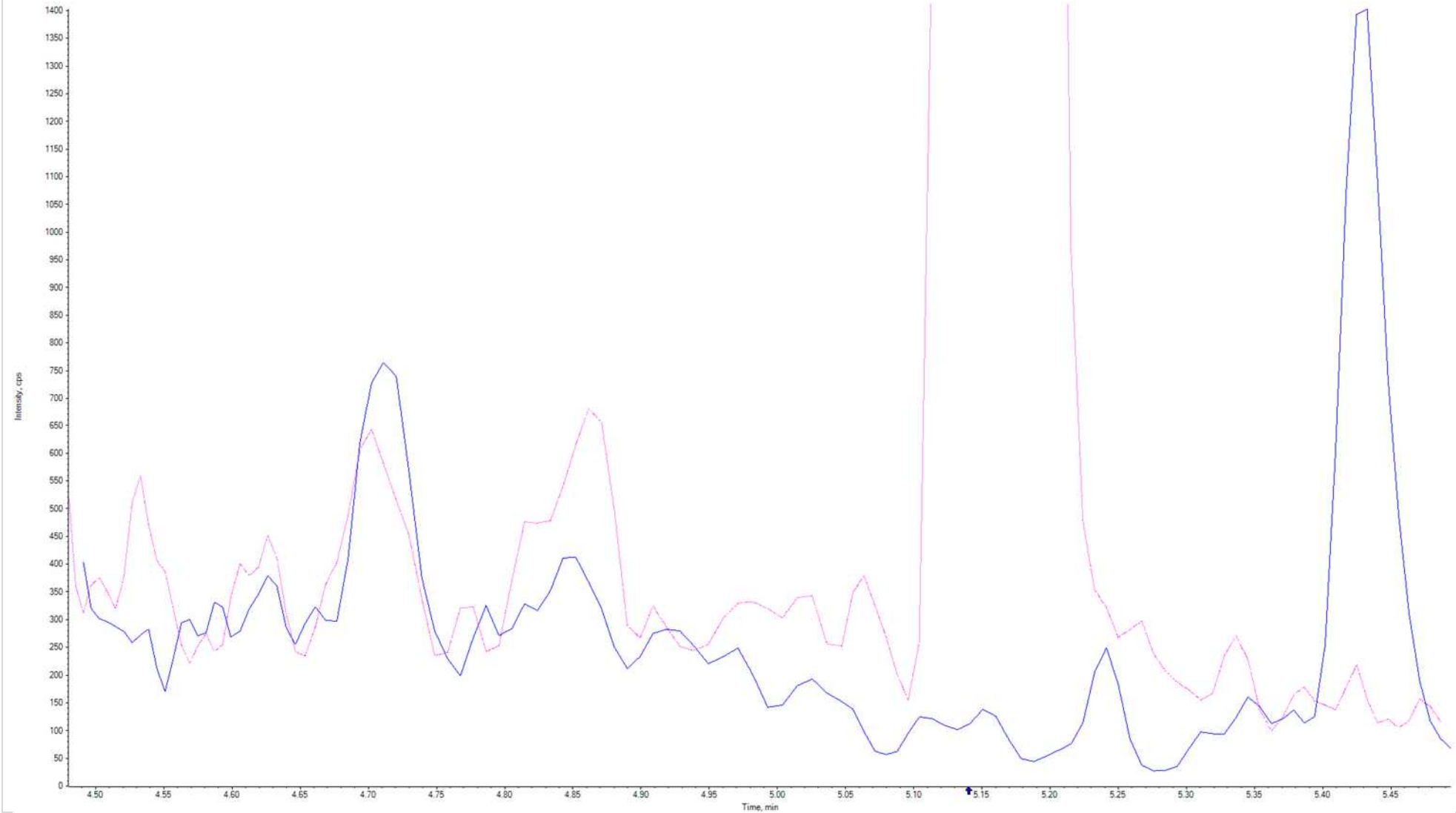

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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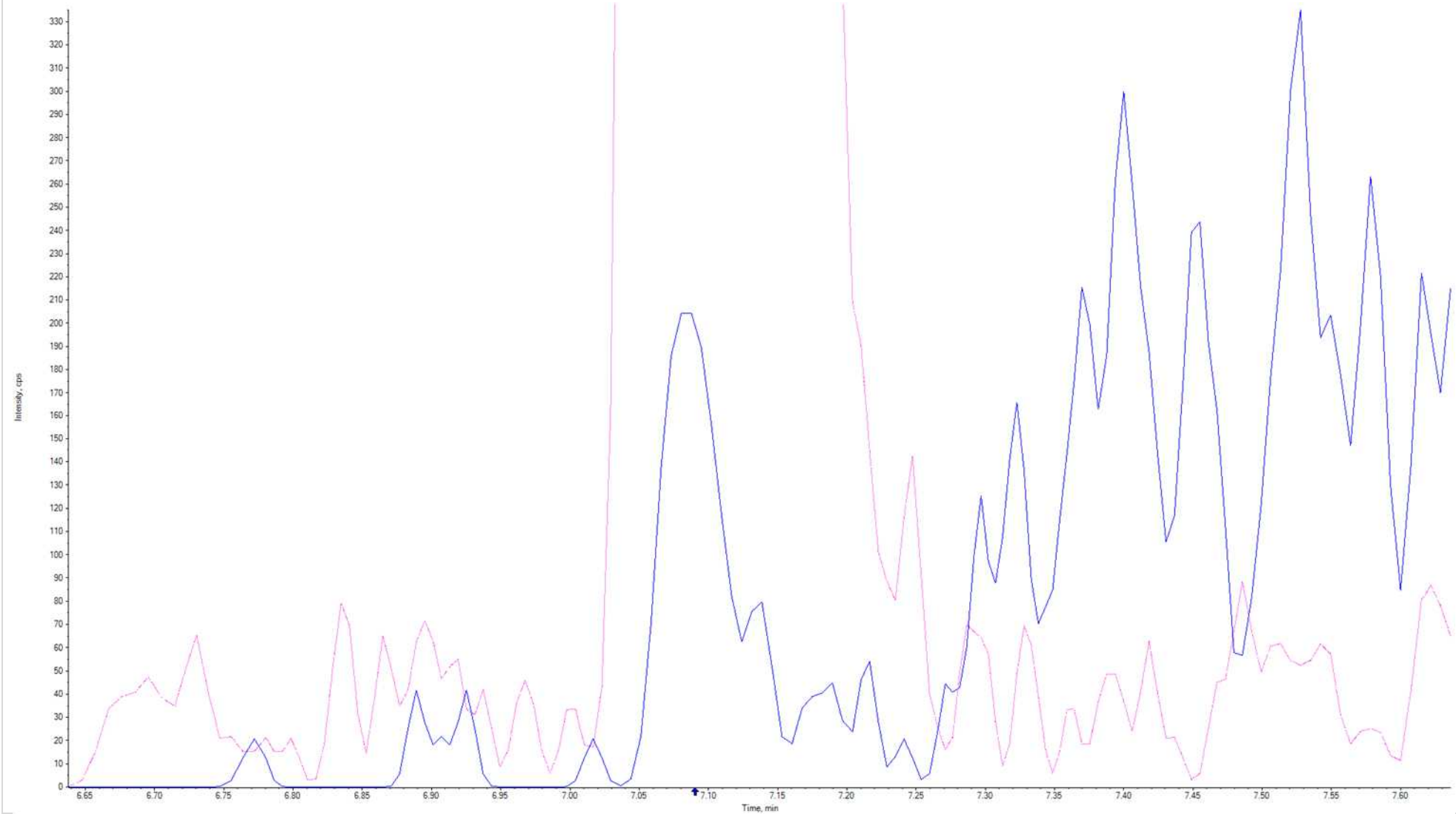

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Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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6:2FTS_2
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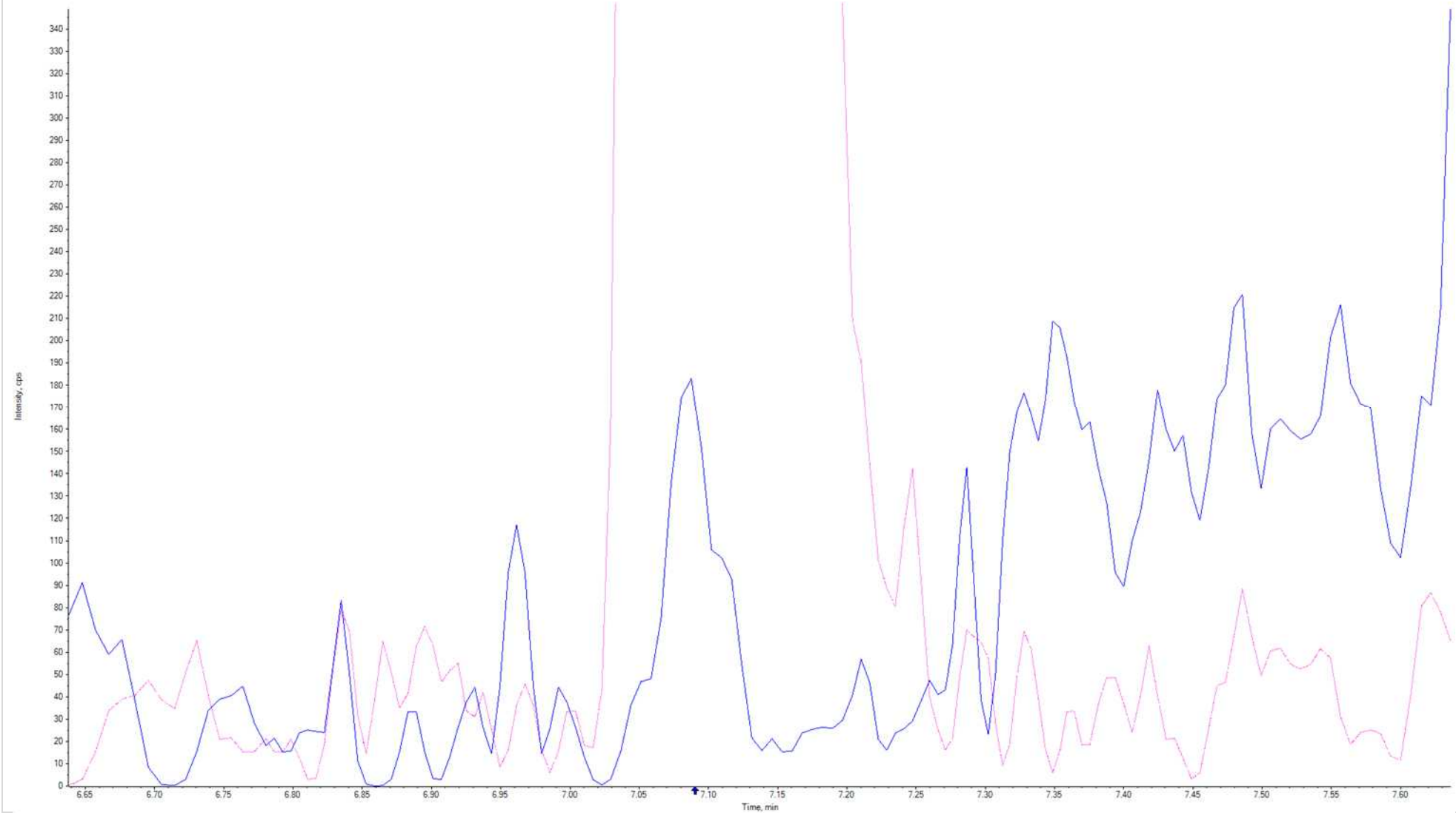

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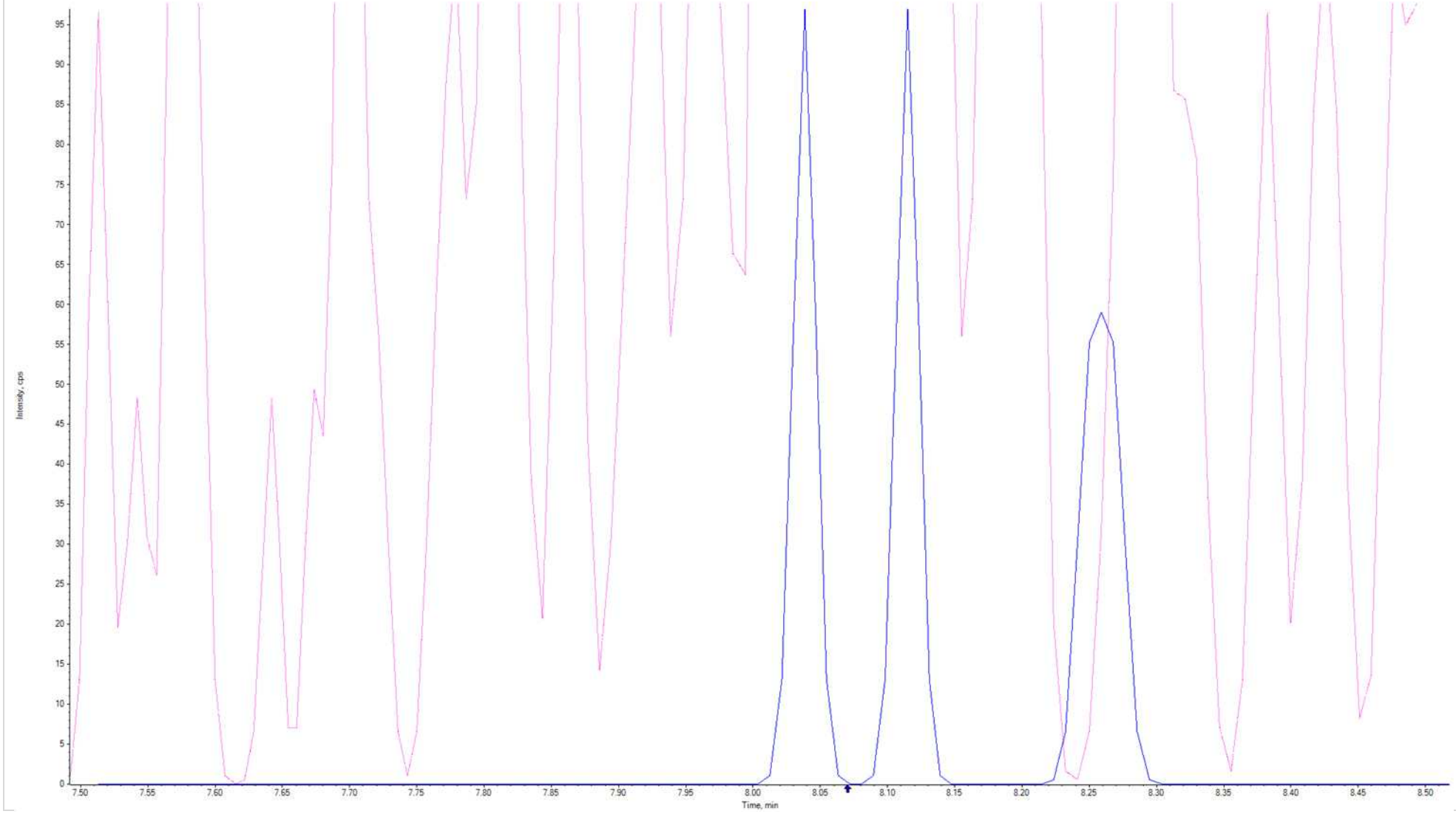

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8:2FTS_2
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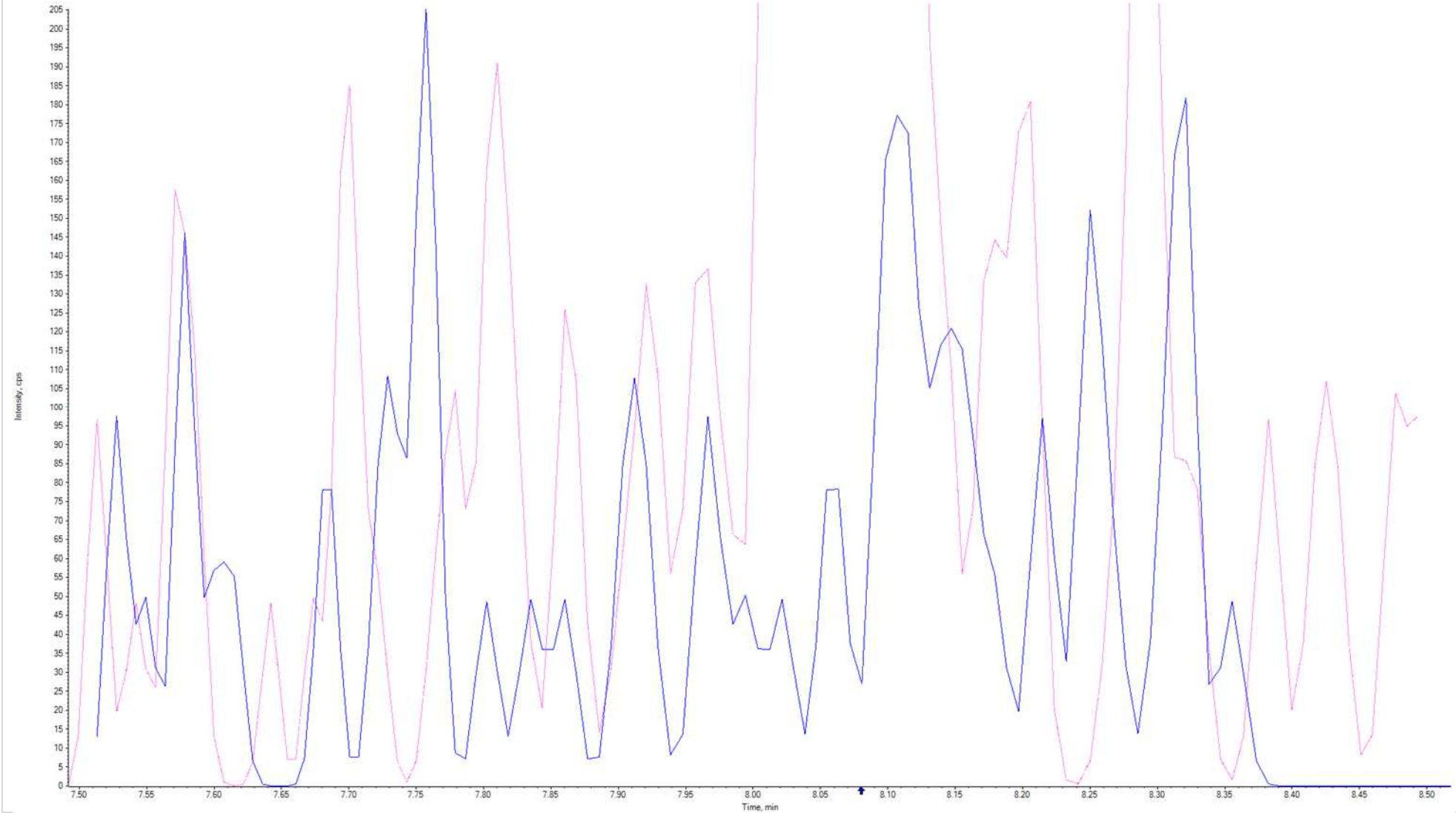

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Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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PFOSA
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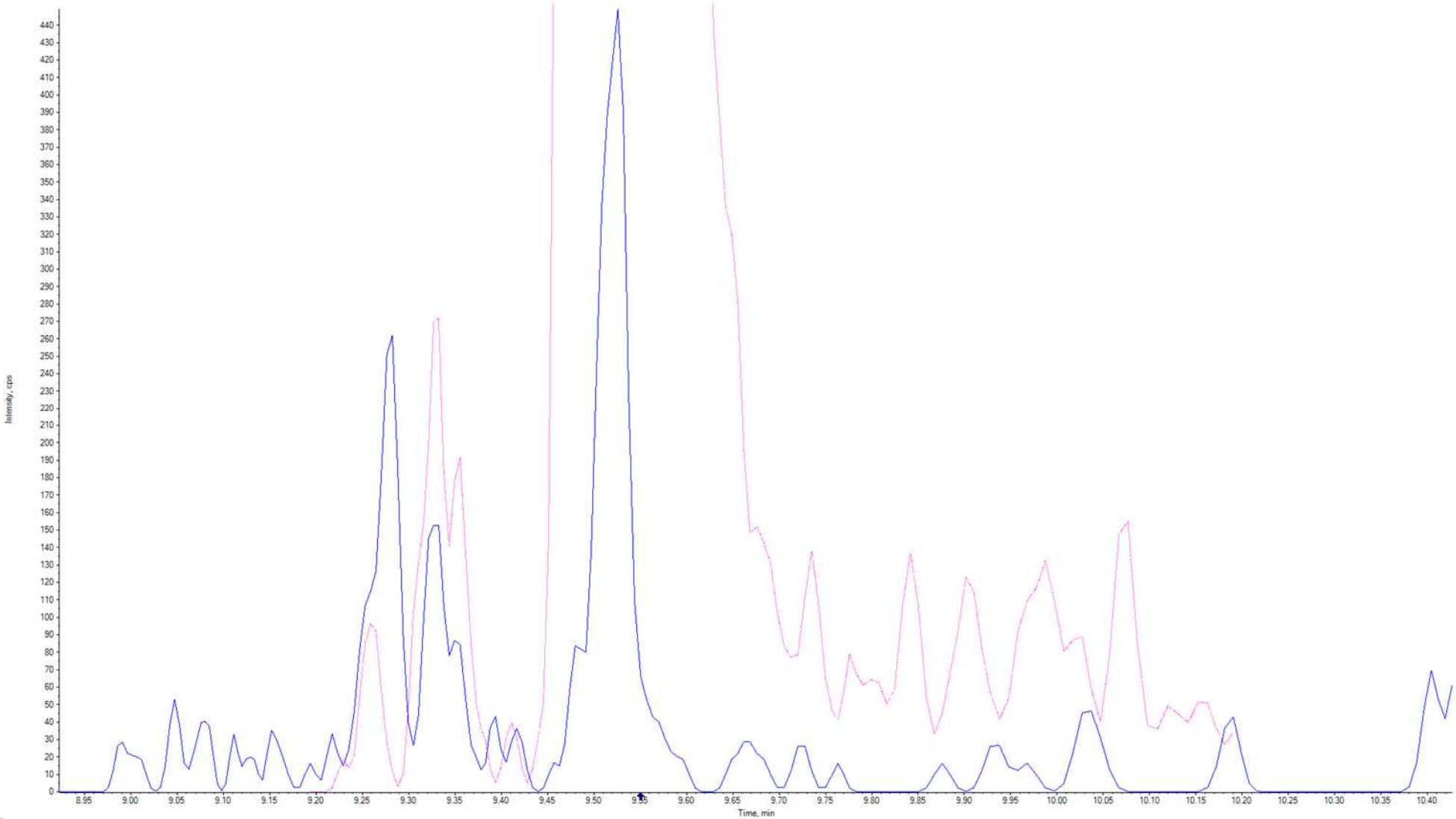

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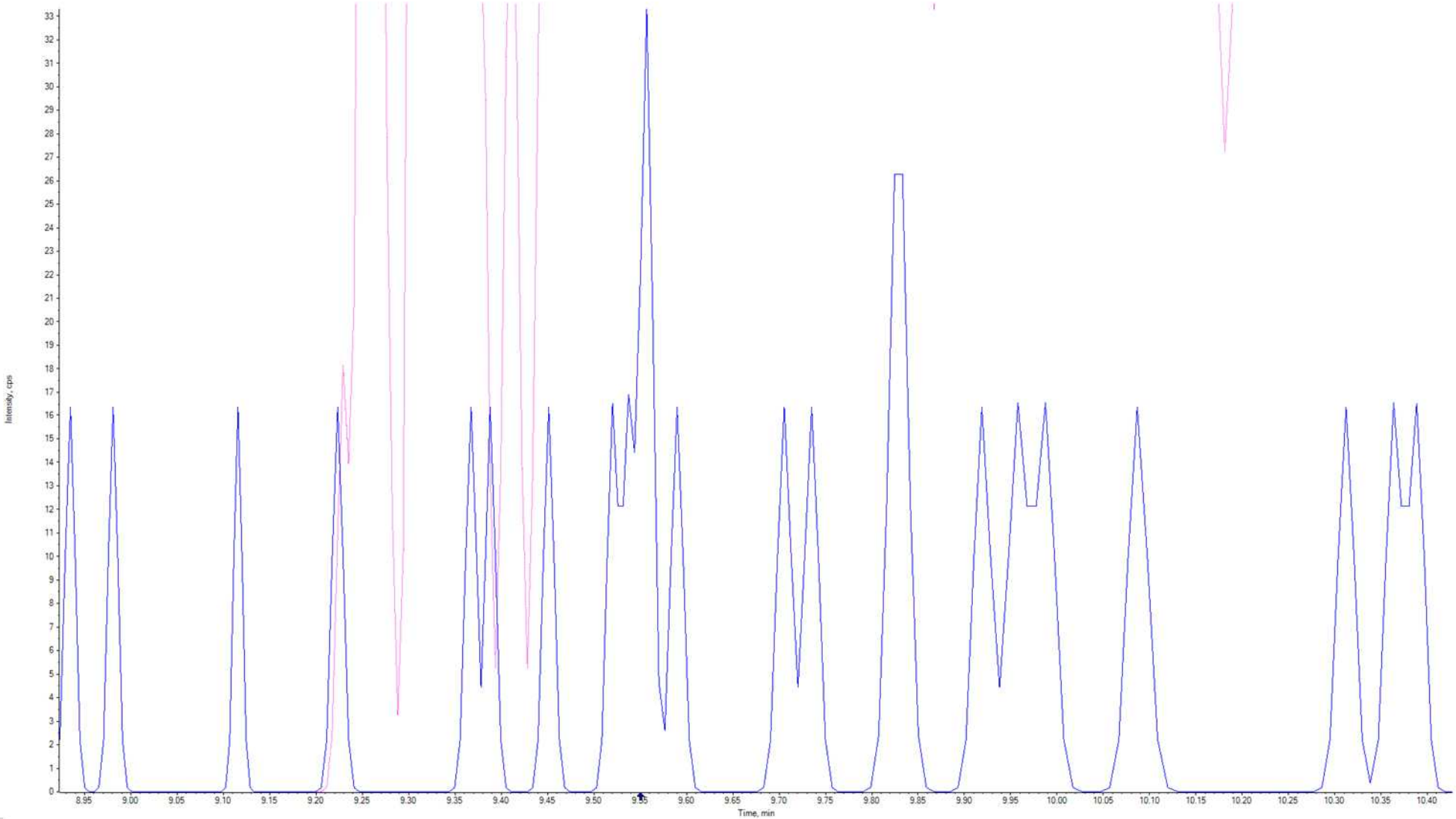

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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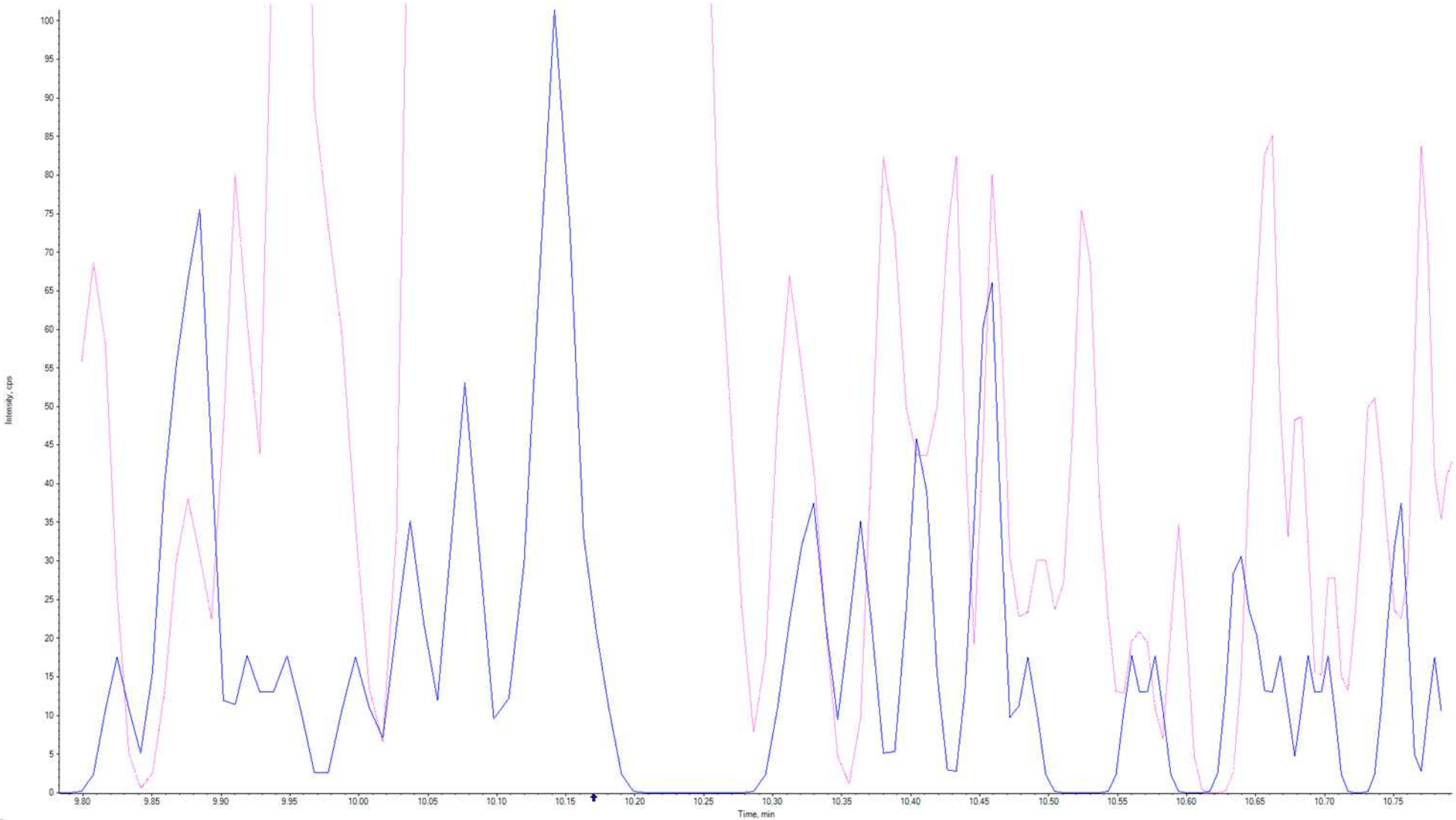

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Last Altered: 9/18/2024 12:41:54 PM
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NMeFOSA_2
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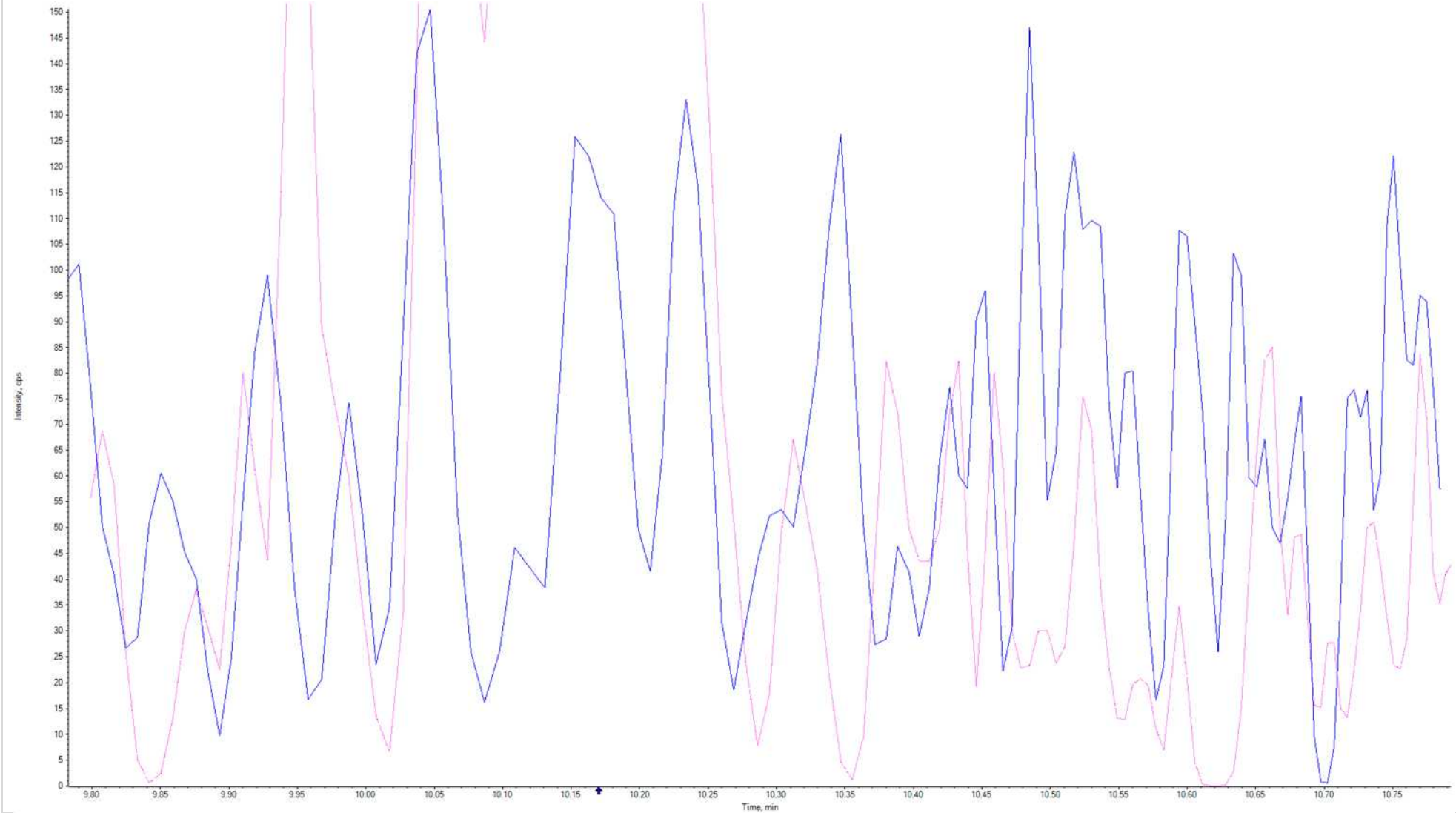

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Alpha Analytical Inc.
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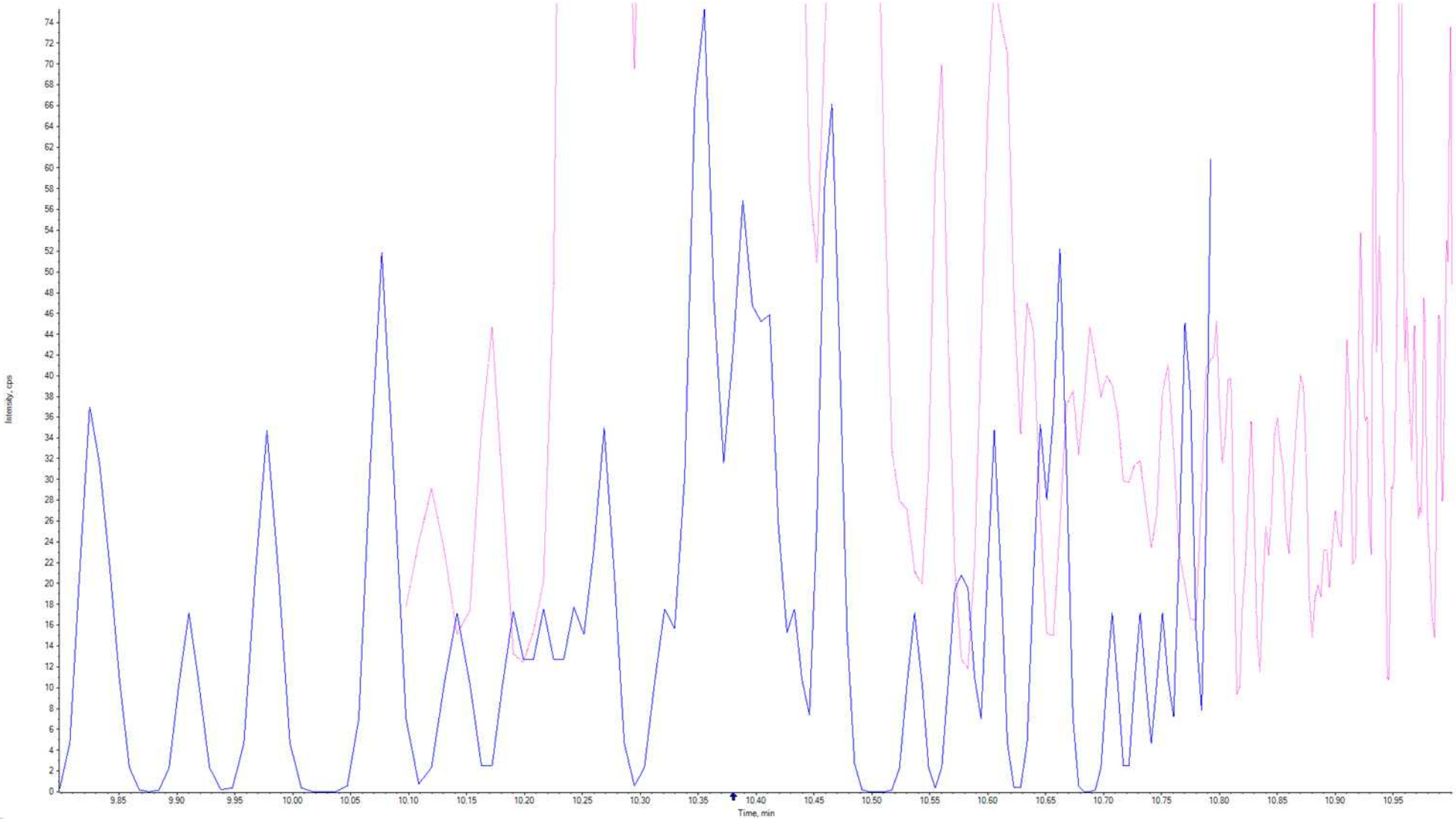

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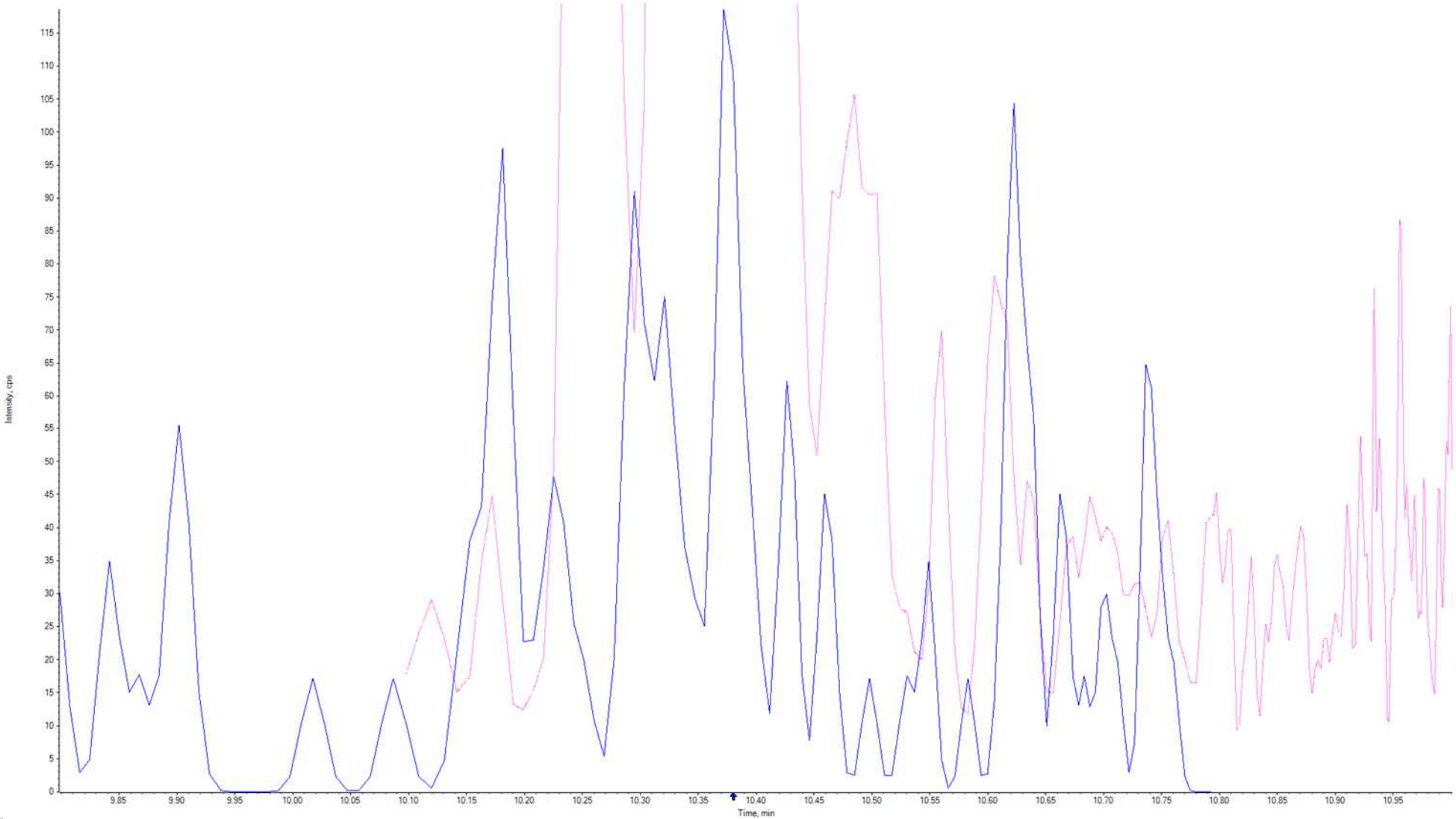

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NMeFOSAA
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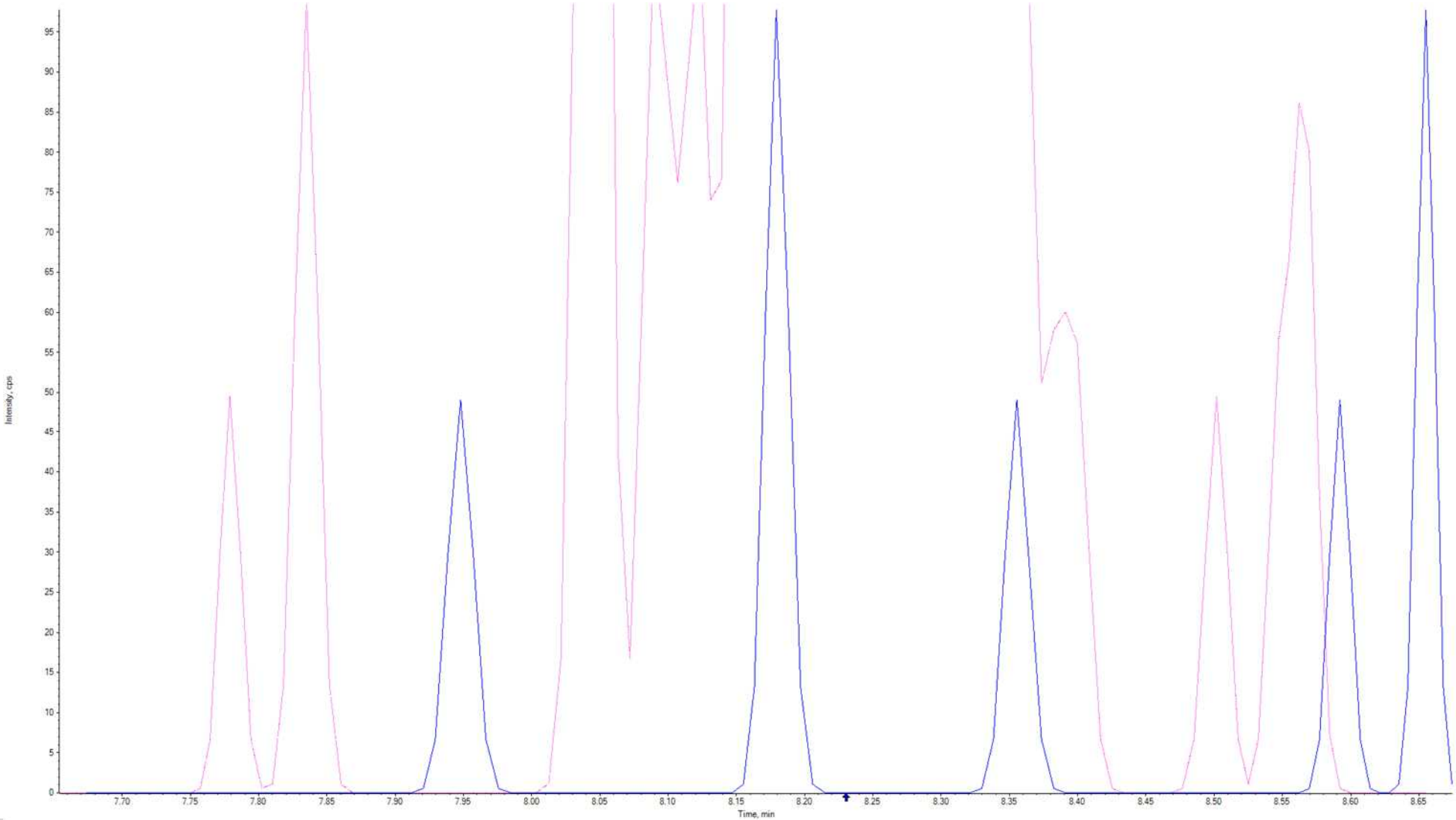

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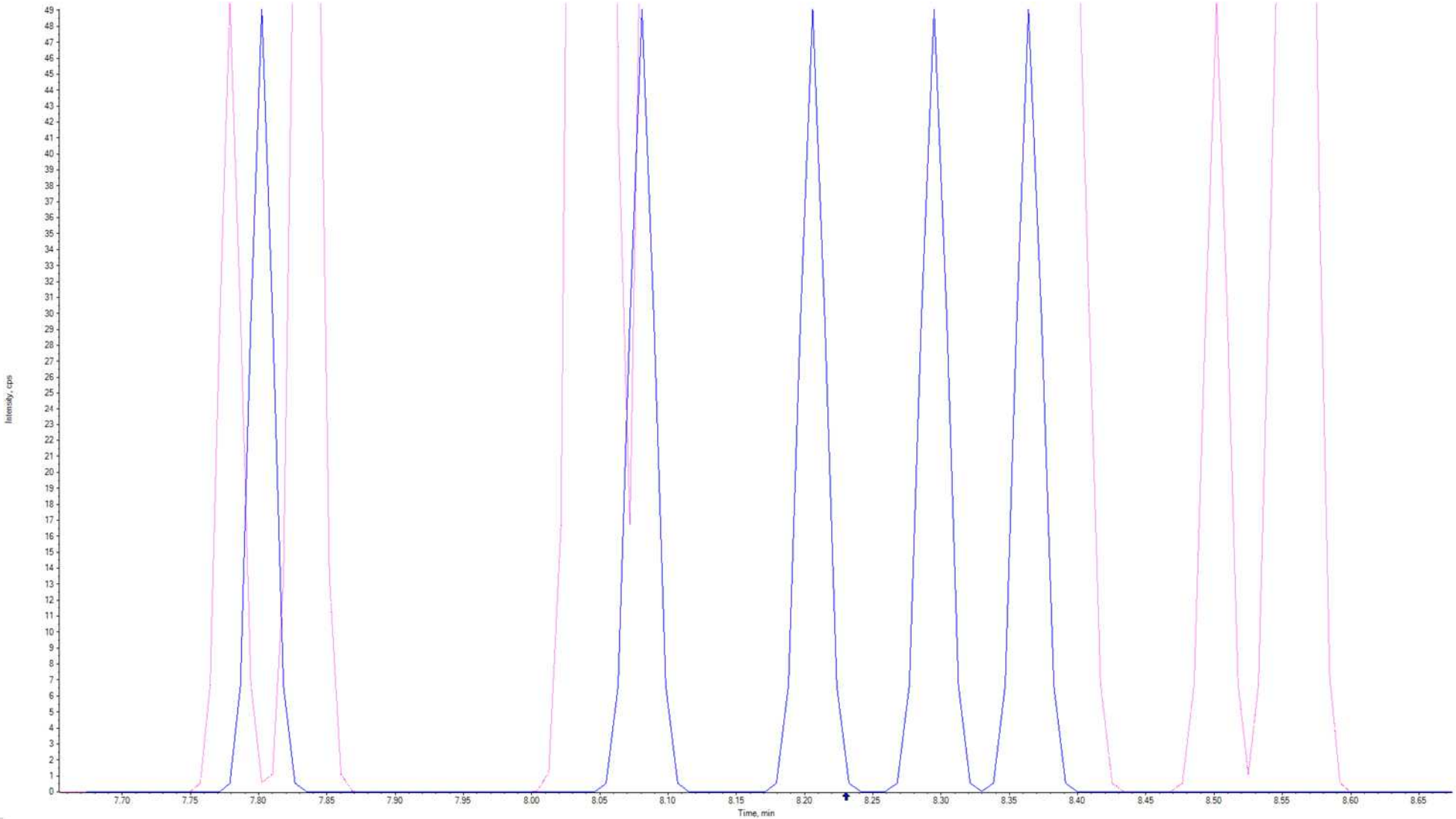

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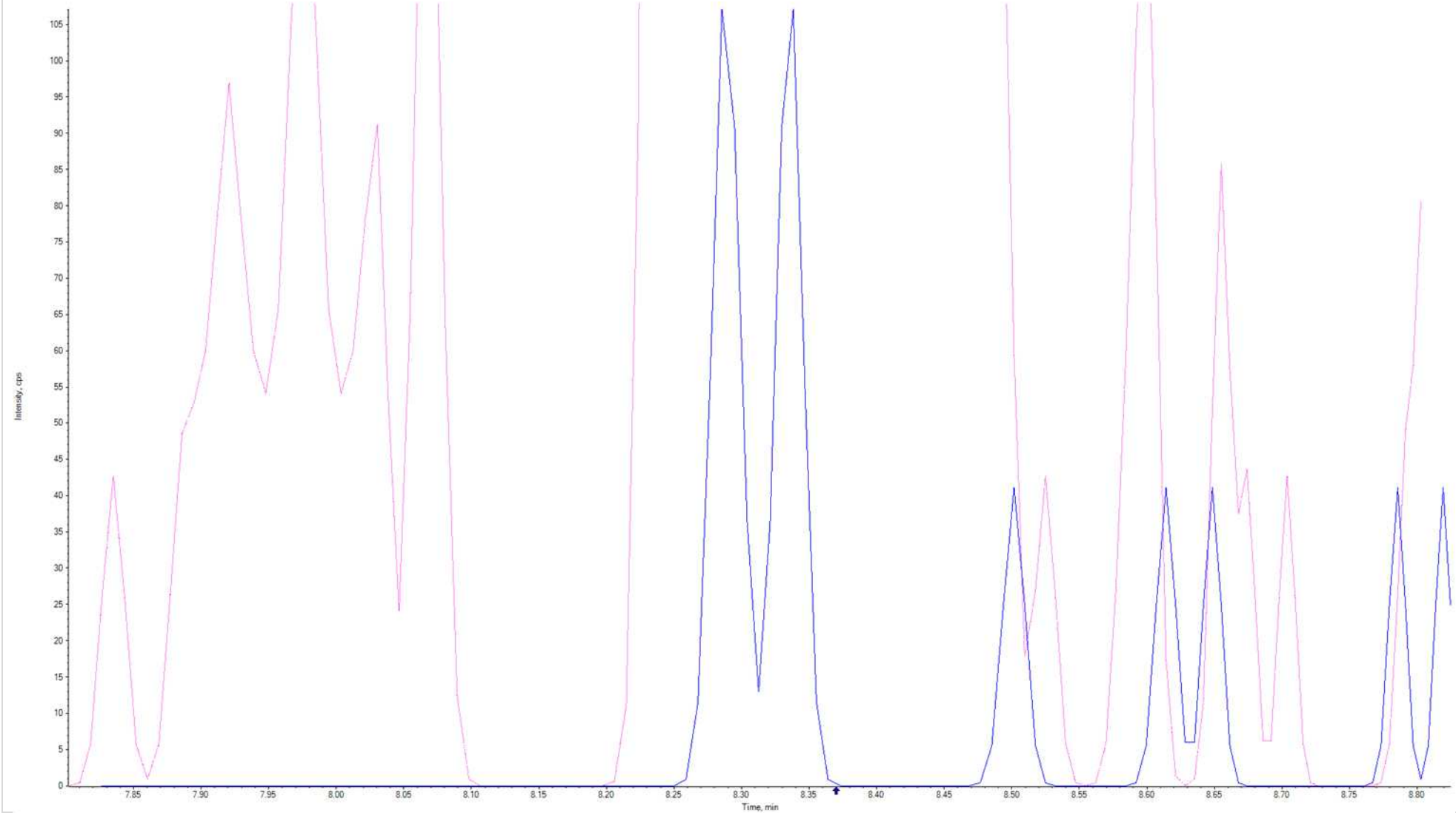

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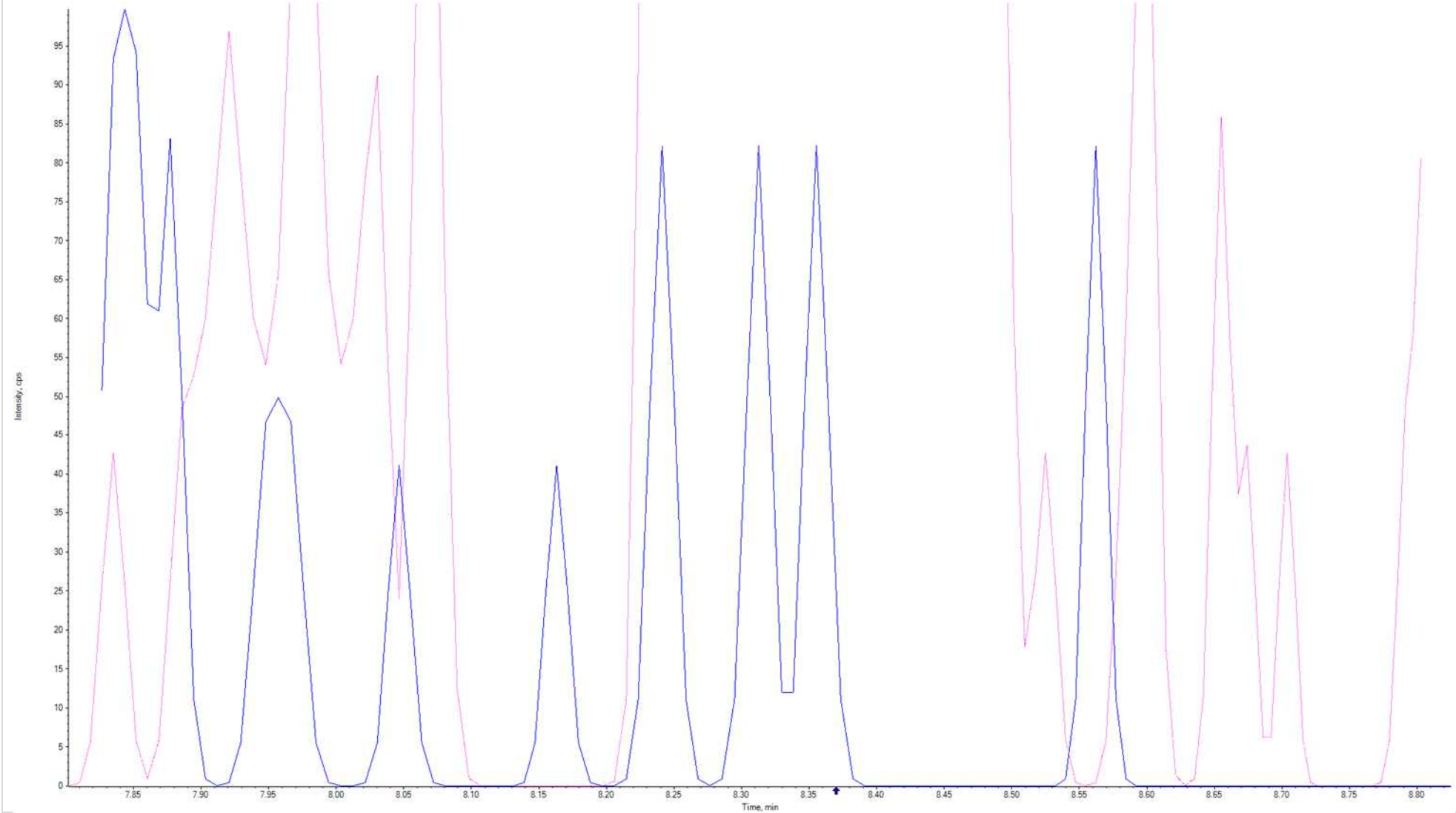

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NMeFOSE
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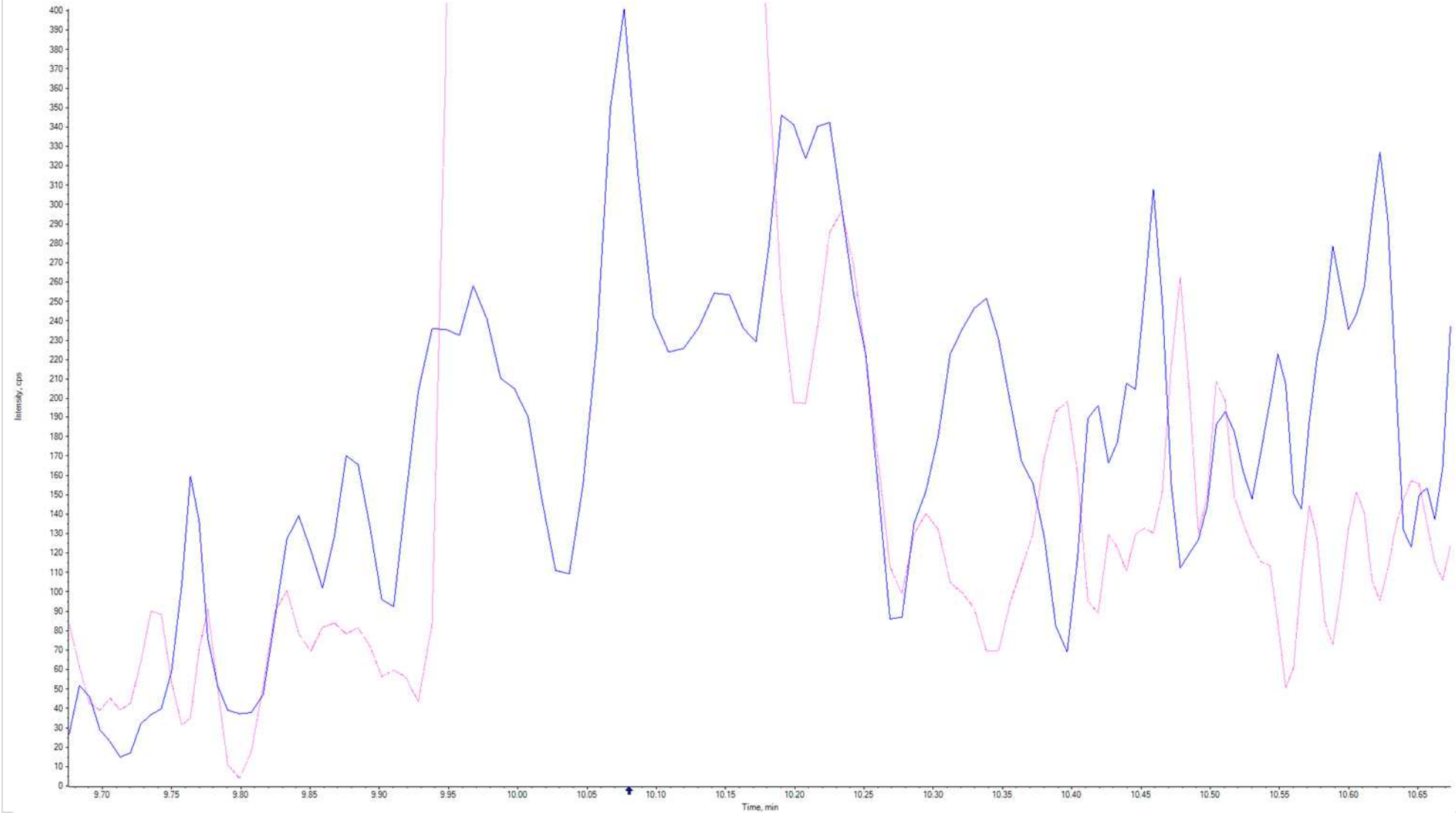

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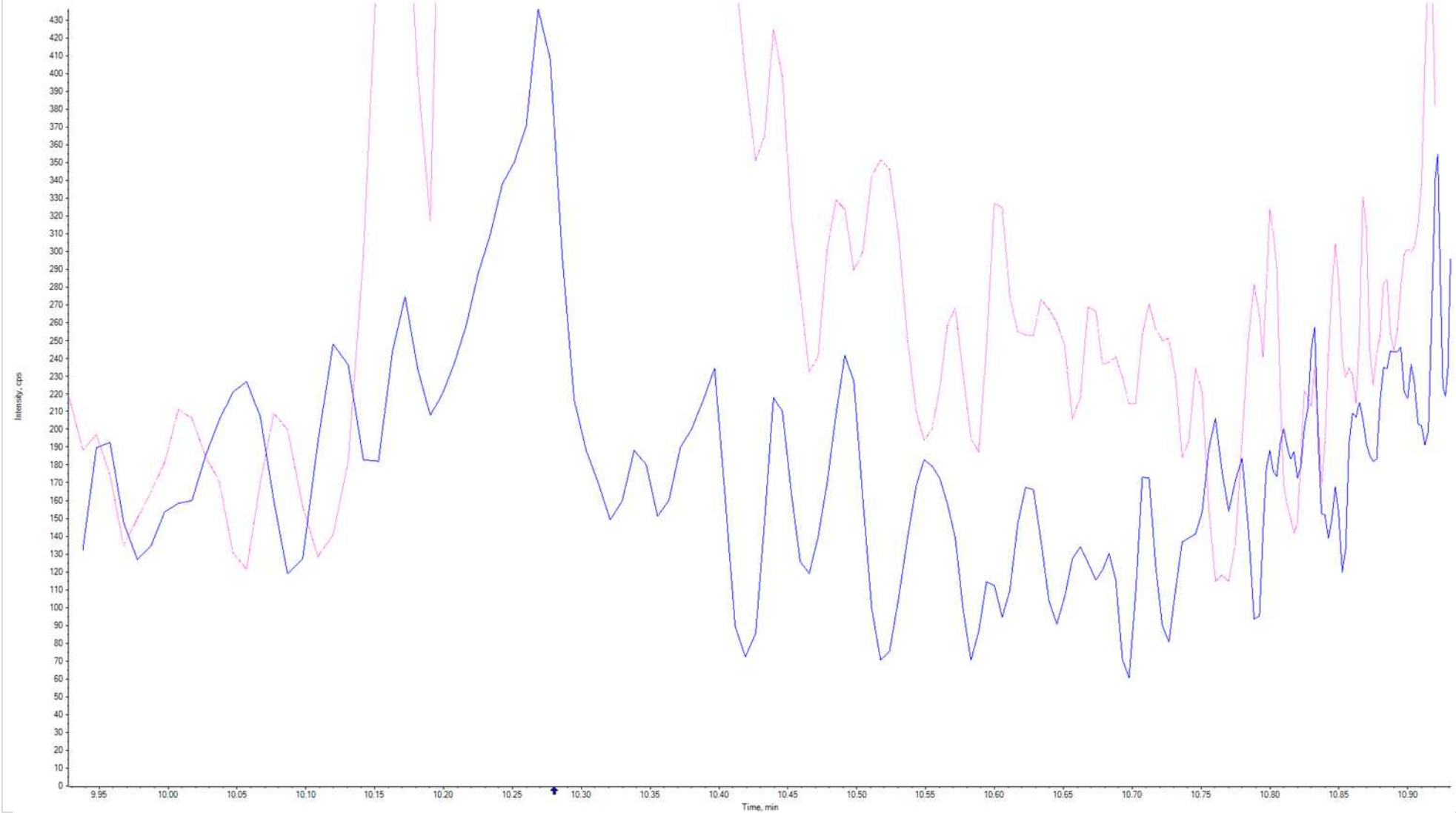

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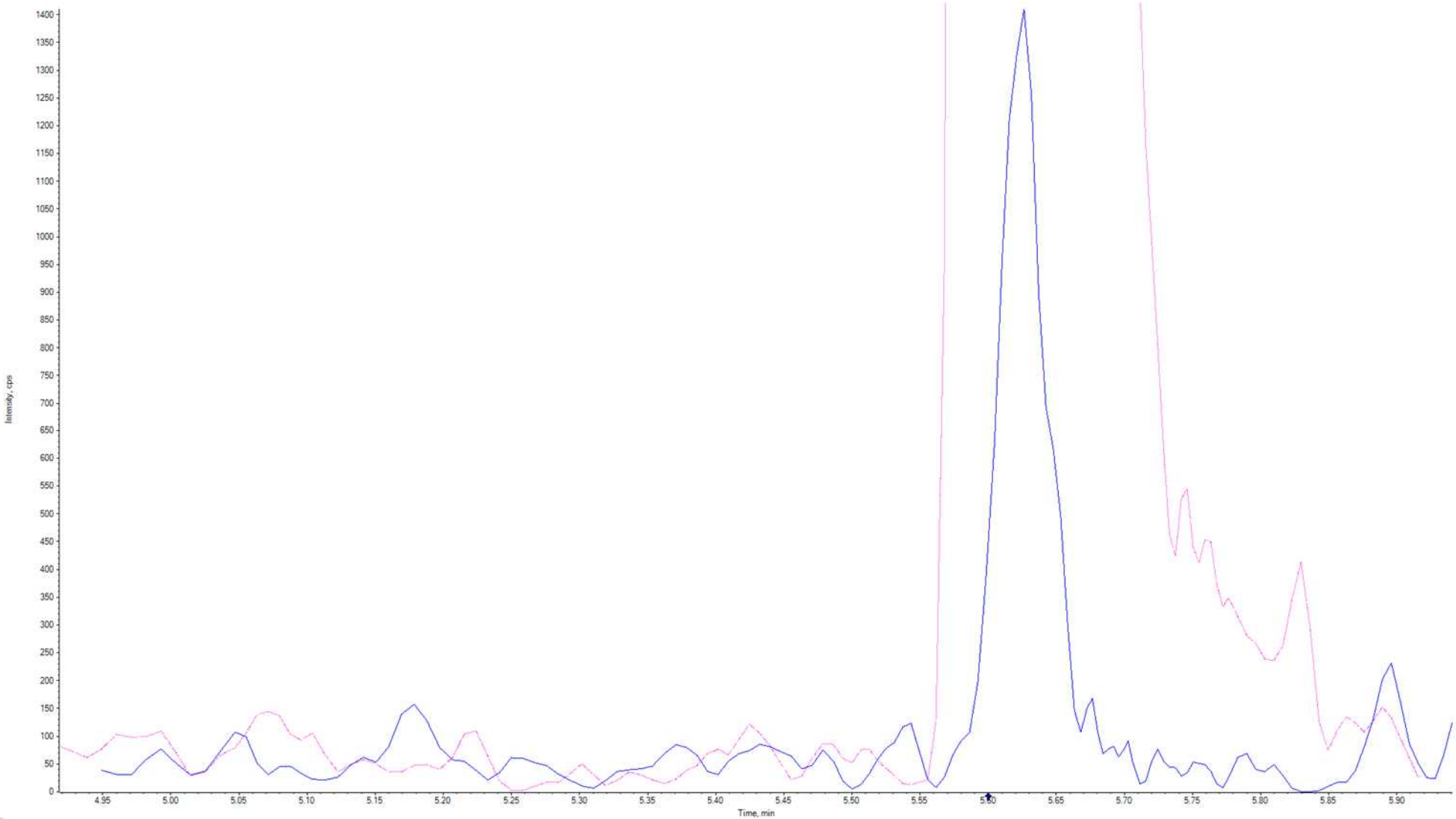

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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HFPO-DA_2
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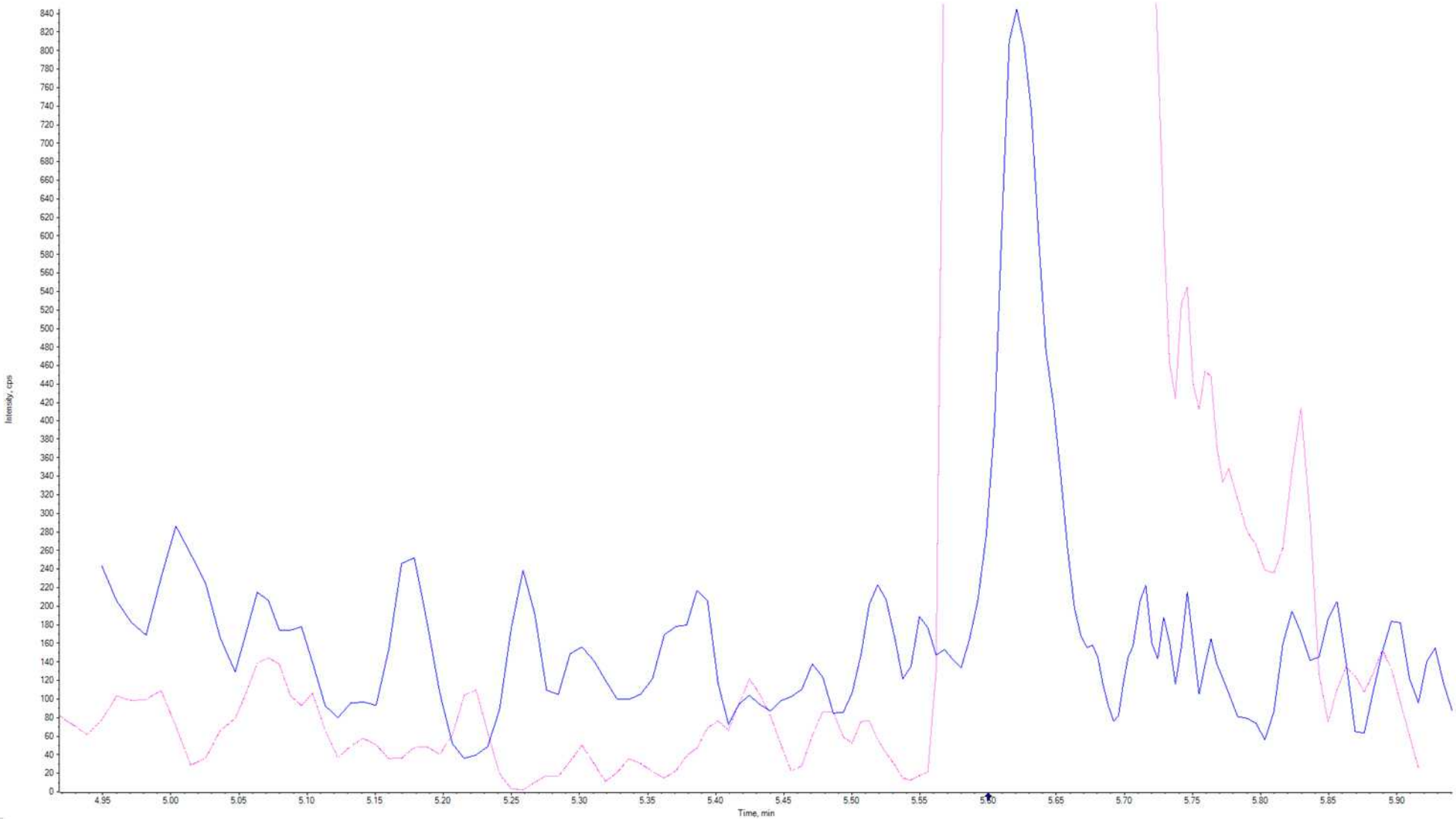

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ADONA
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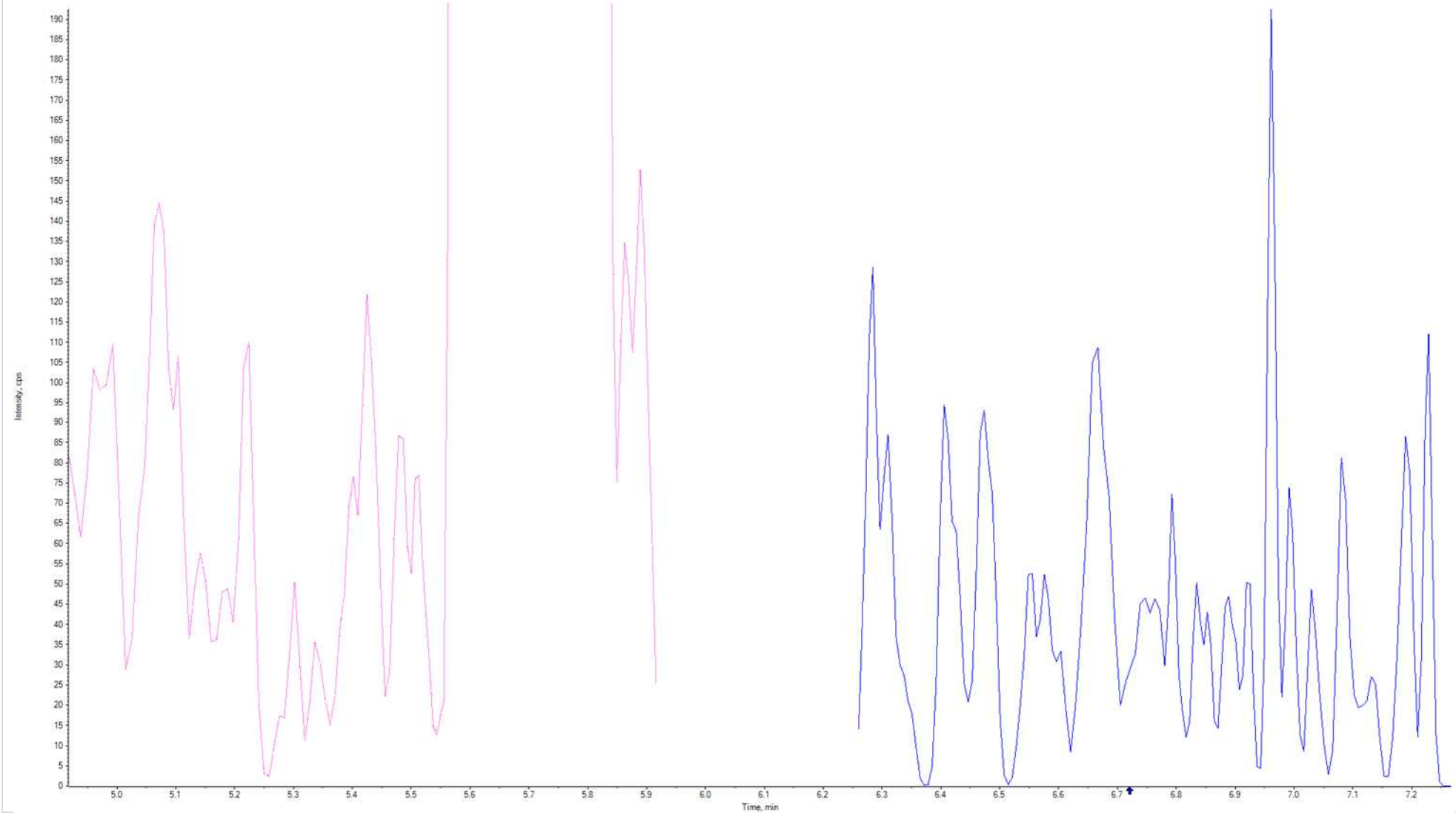

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ADONA_2
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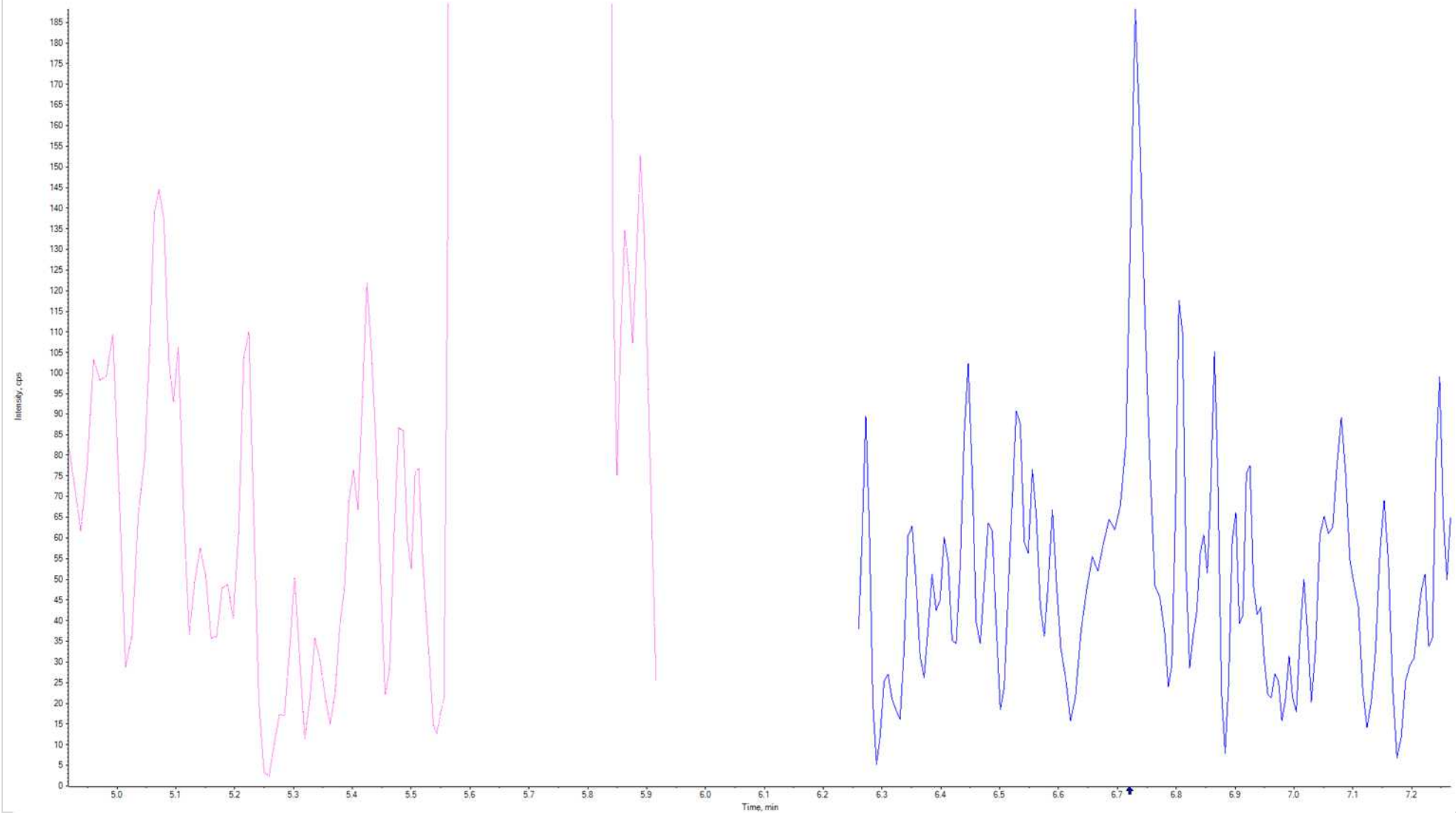

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9Cl-PF3ONS
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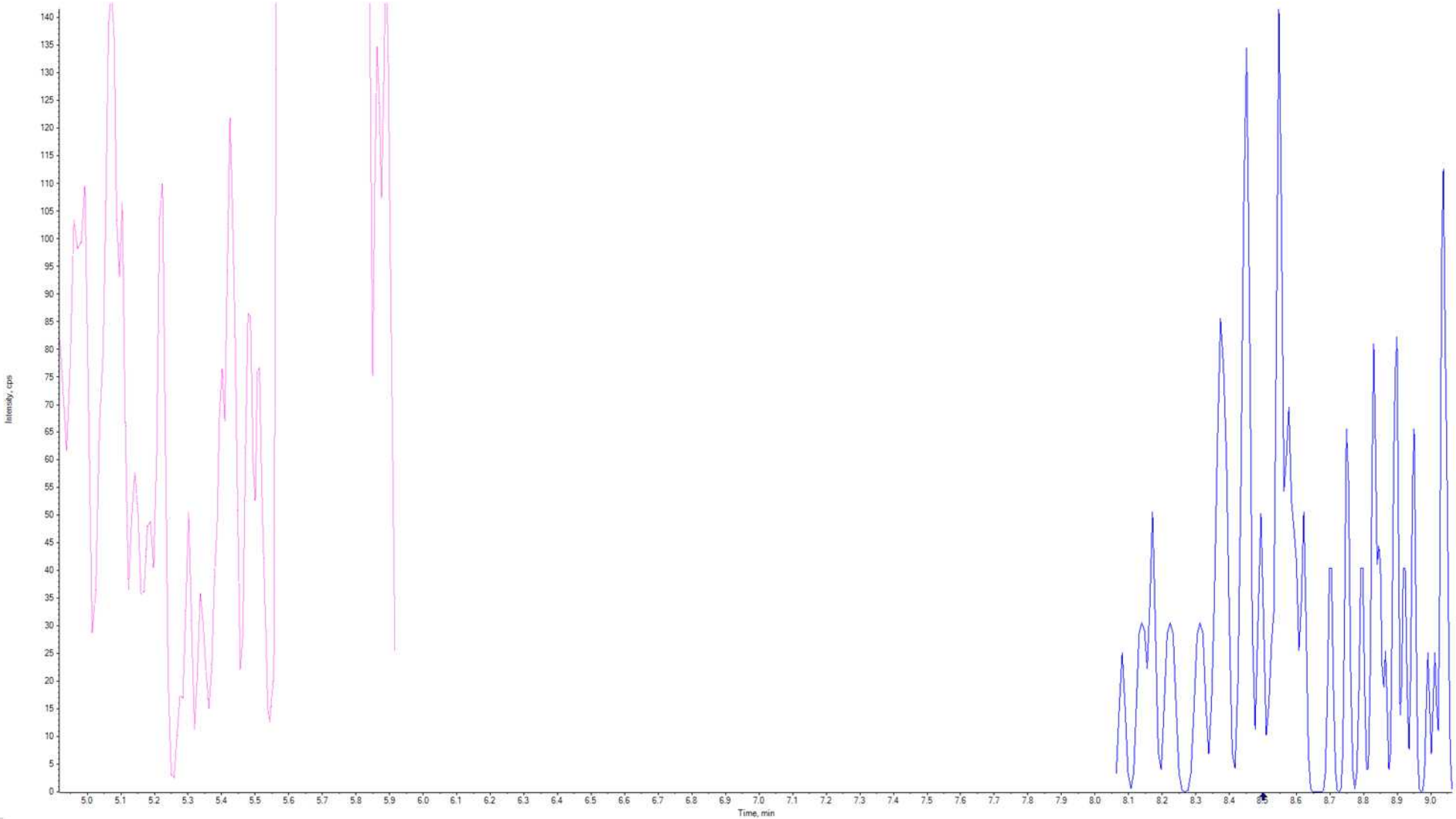

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9Cl-PF3ONS_2
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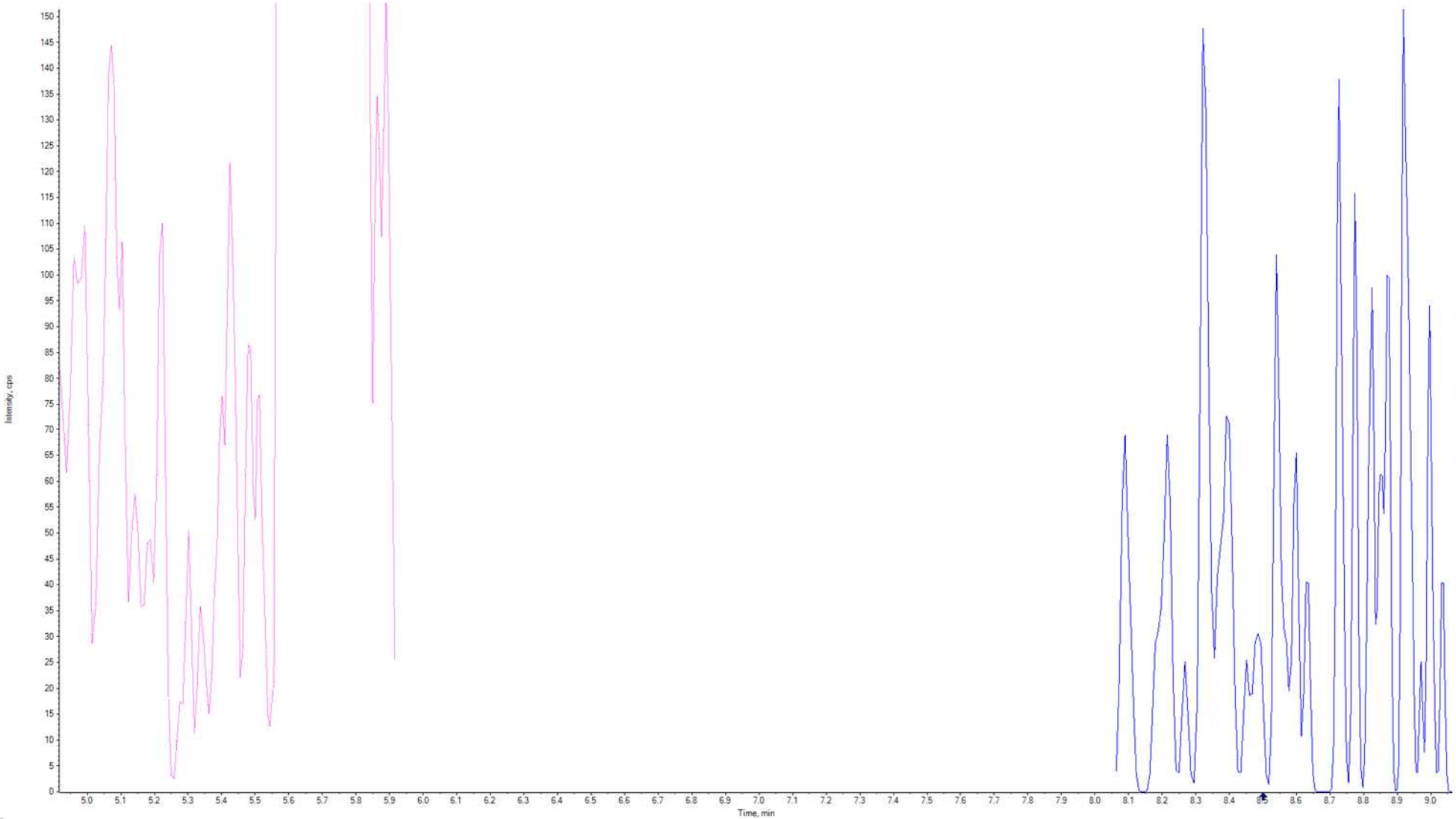

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Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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3:3FTCA
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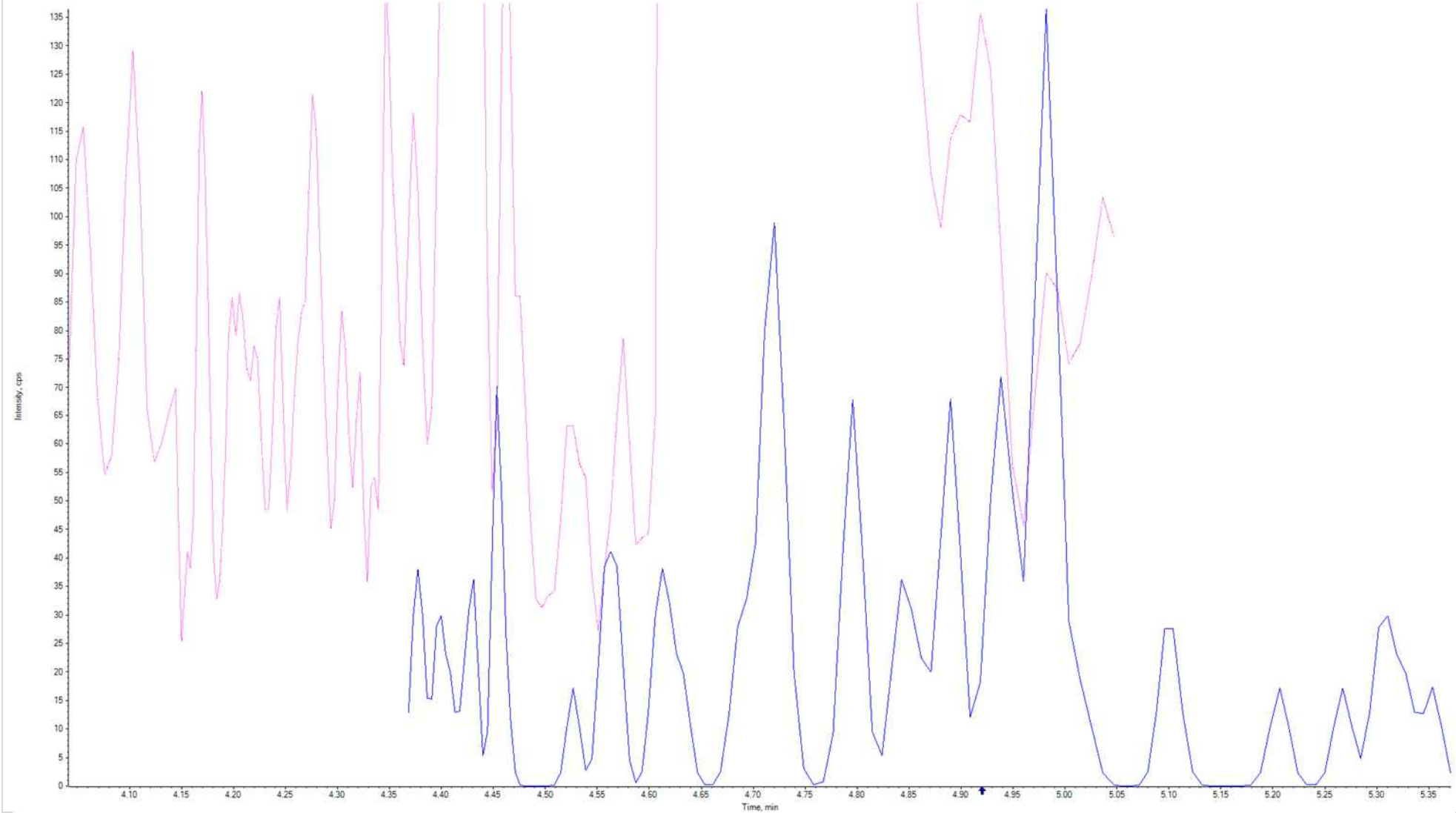

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3:3FTCA_2
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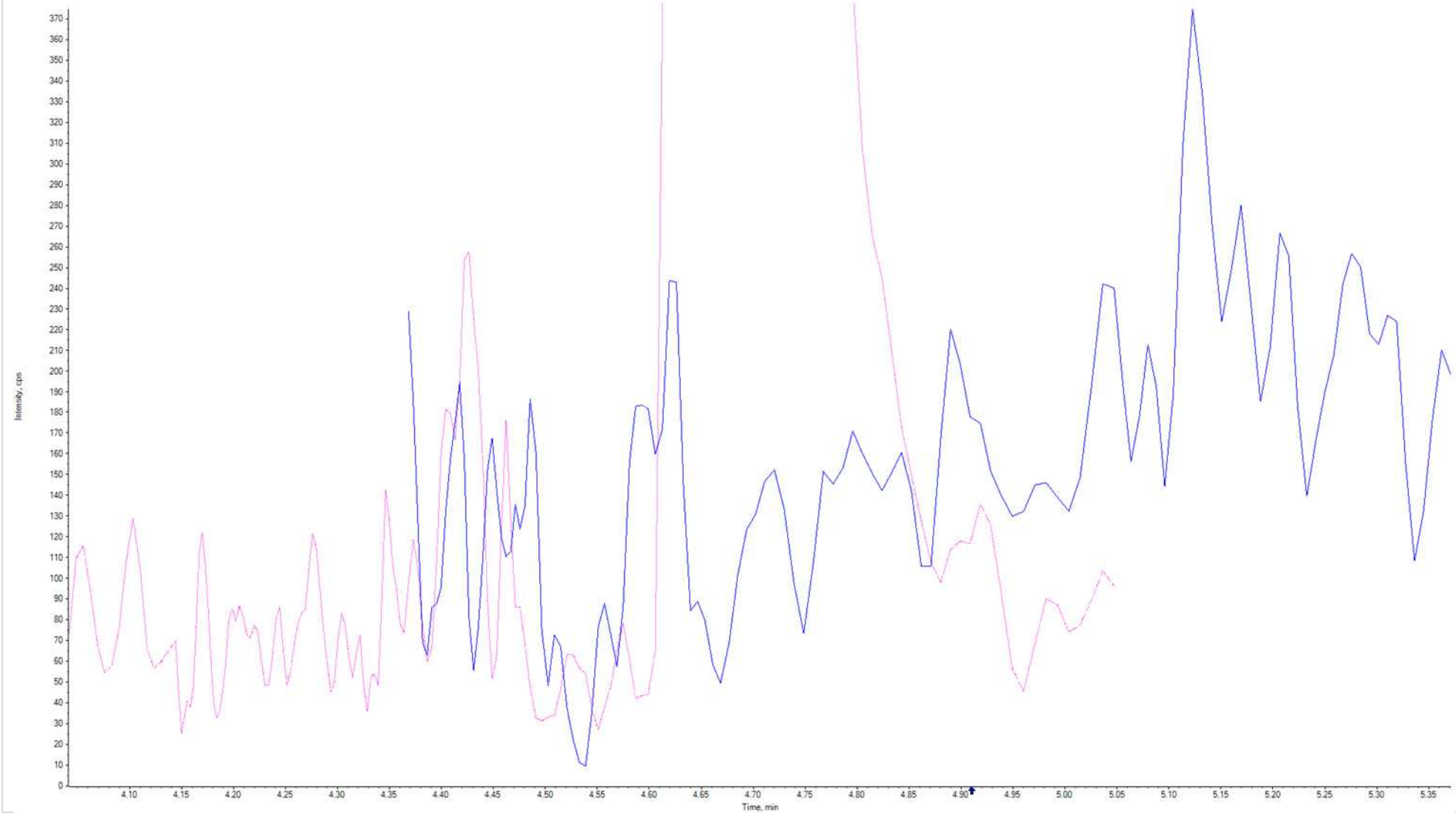

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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5:3FTCA
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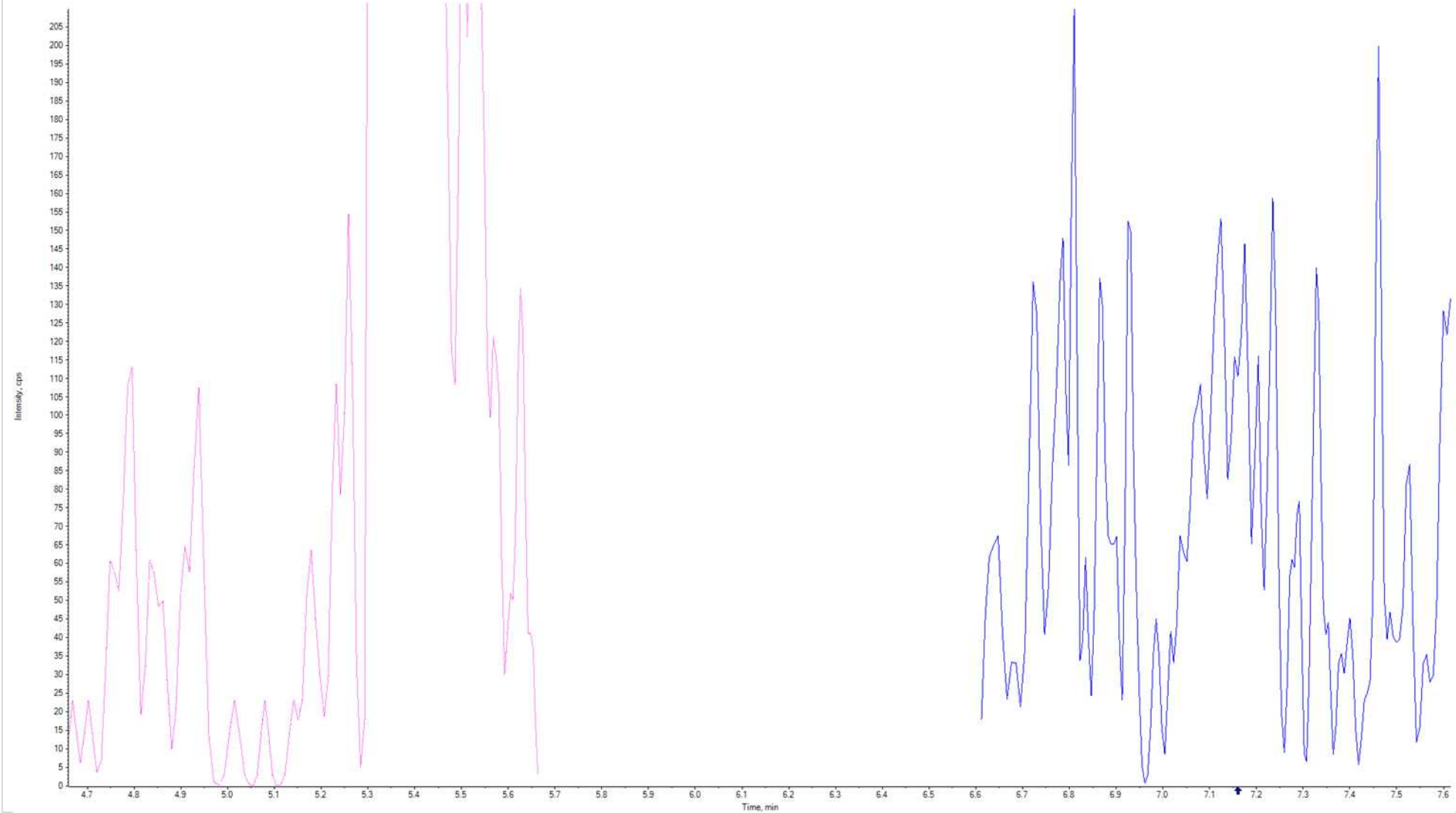

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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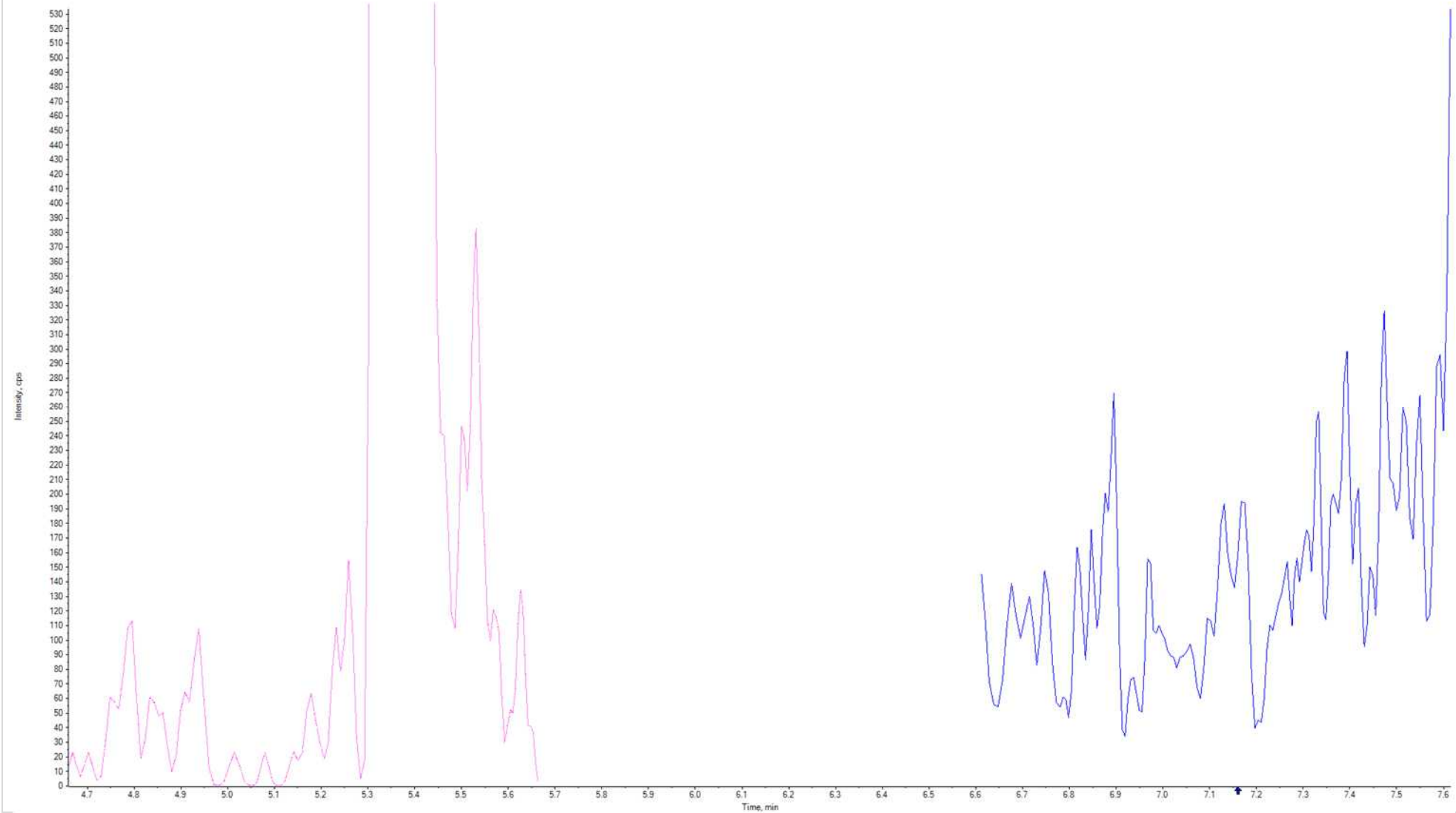

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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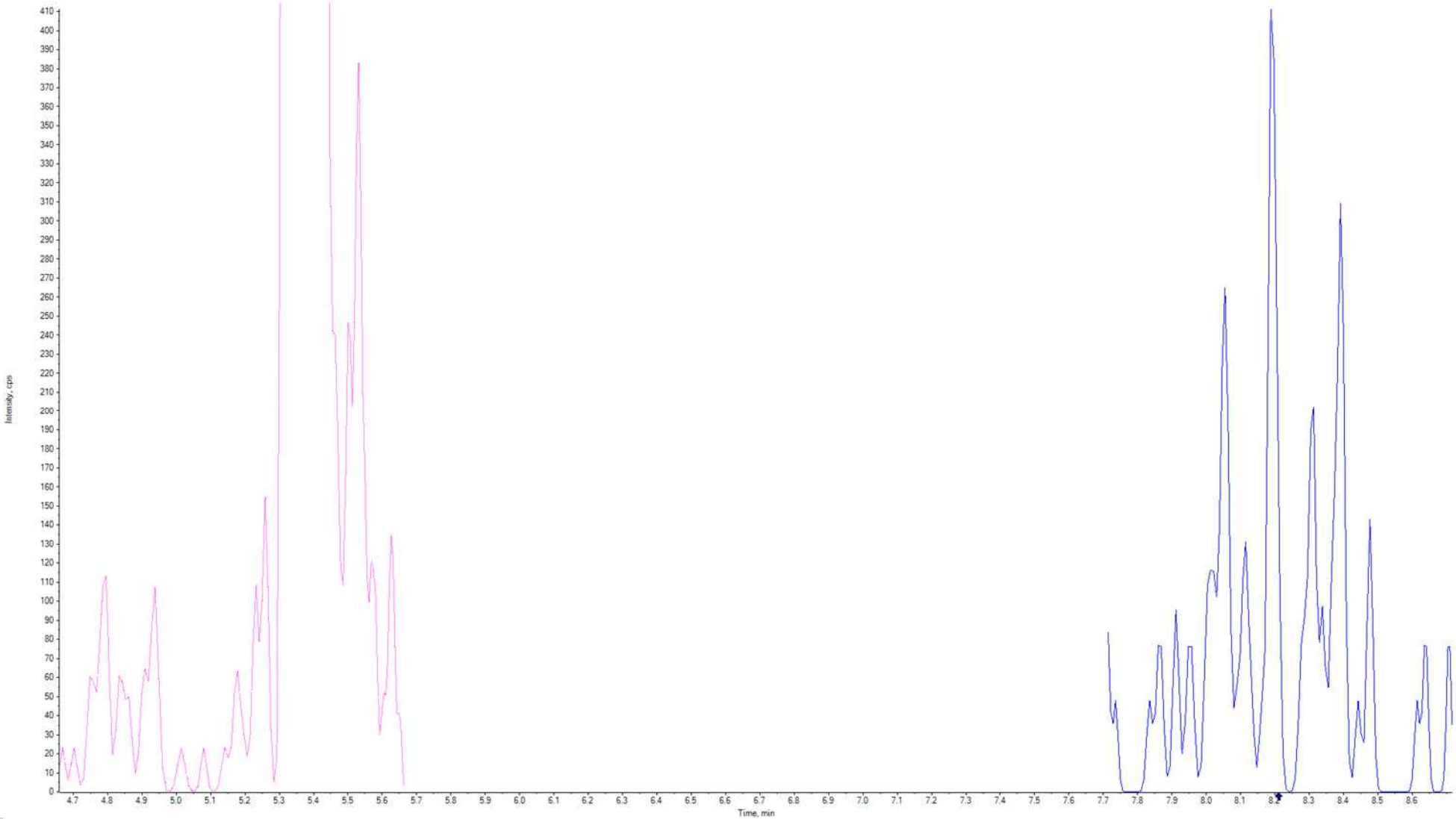

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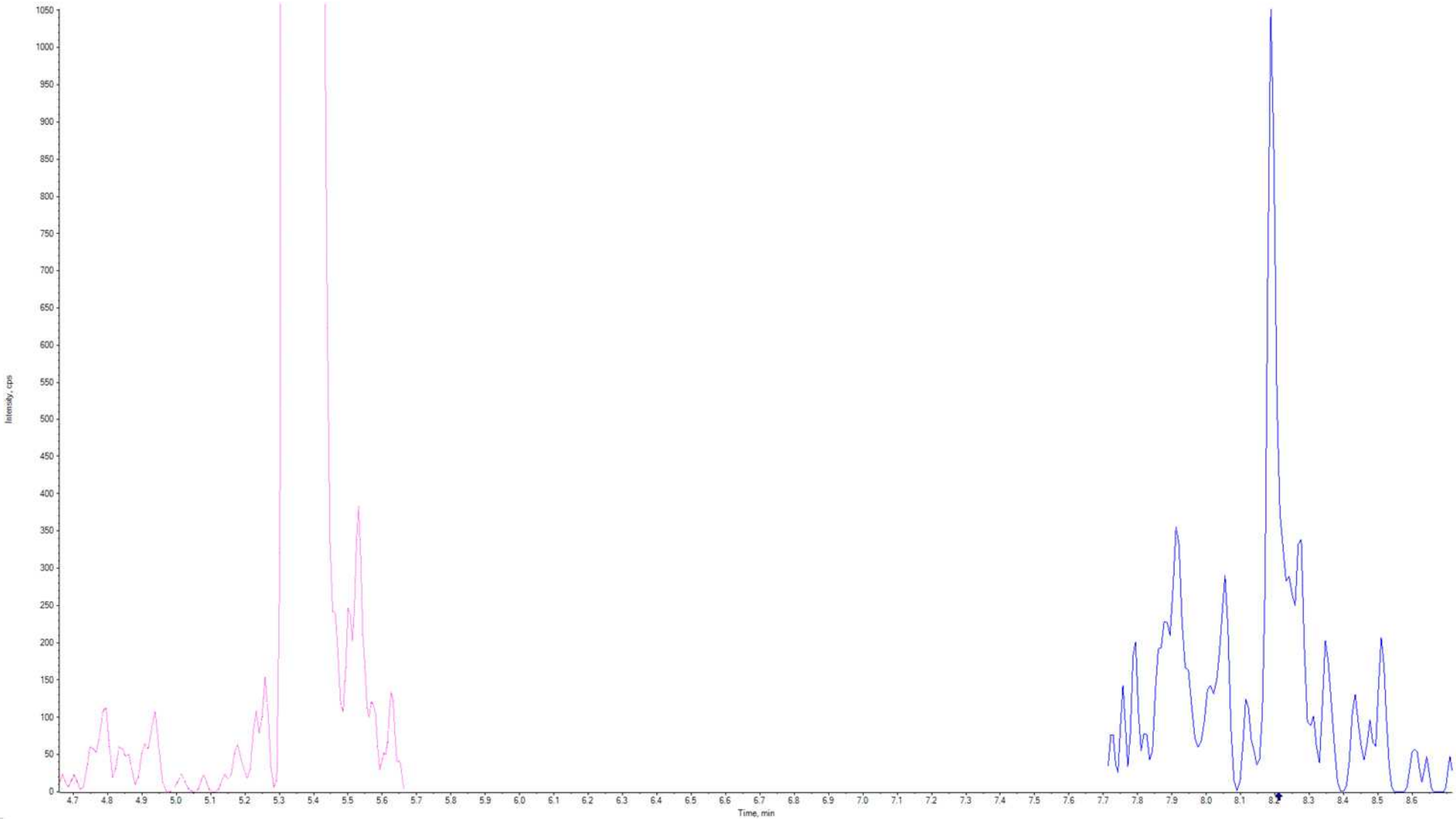
7:3FTCA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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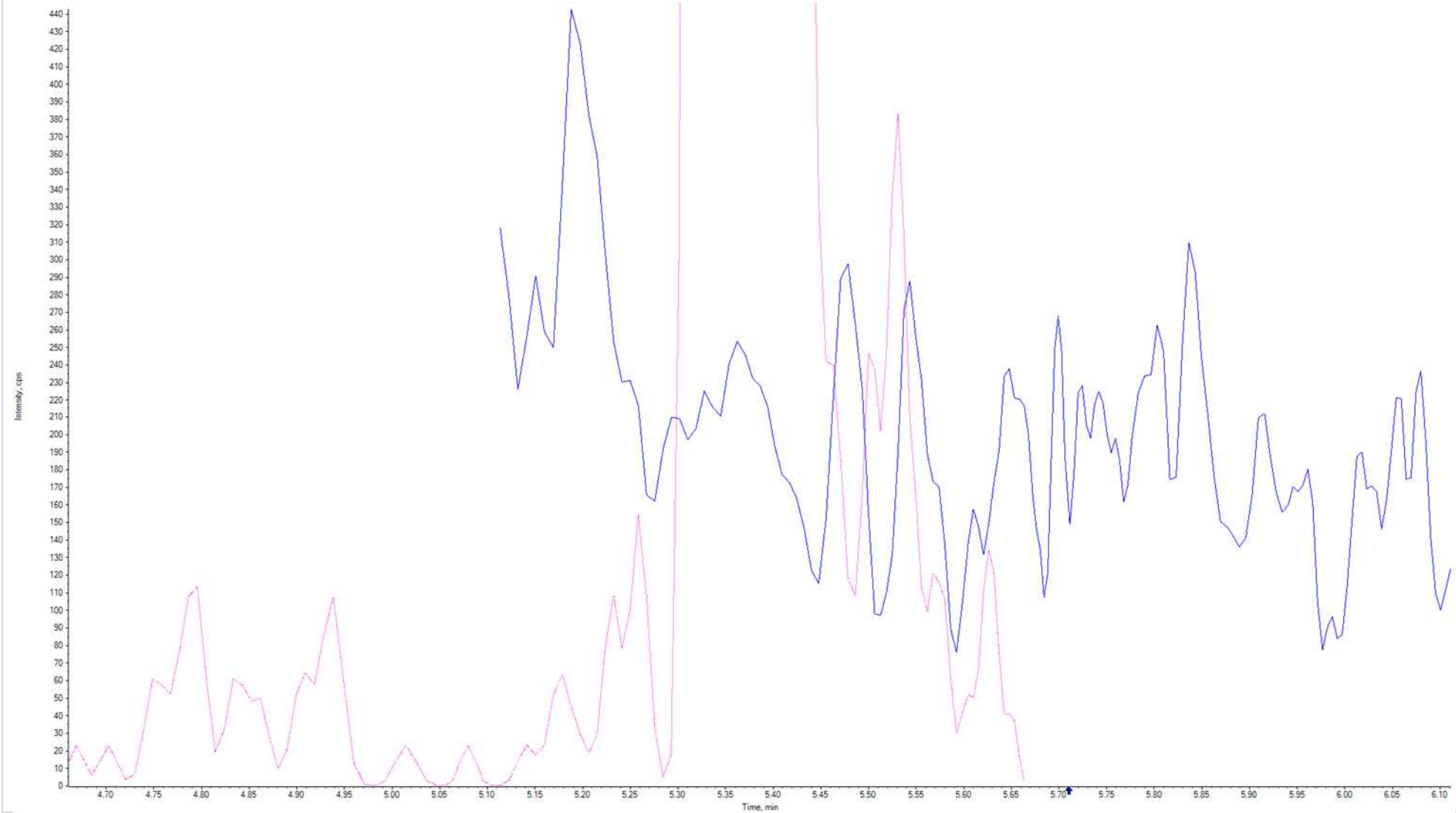
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFEESA_2
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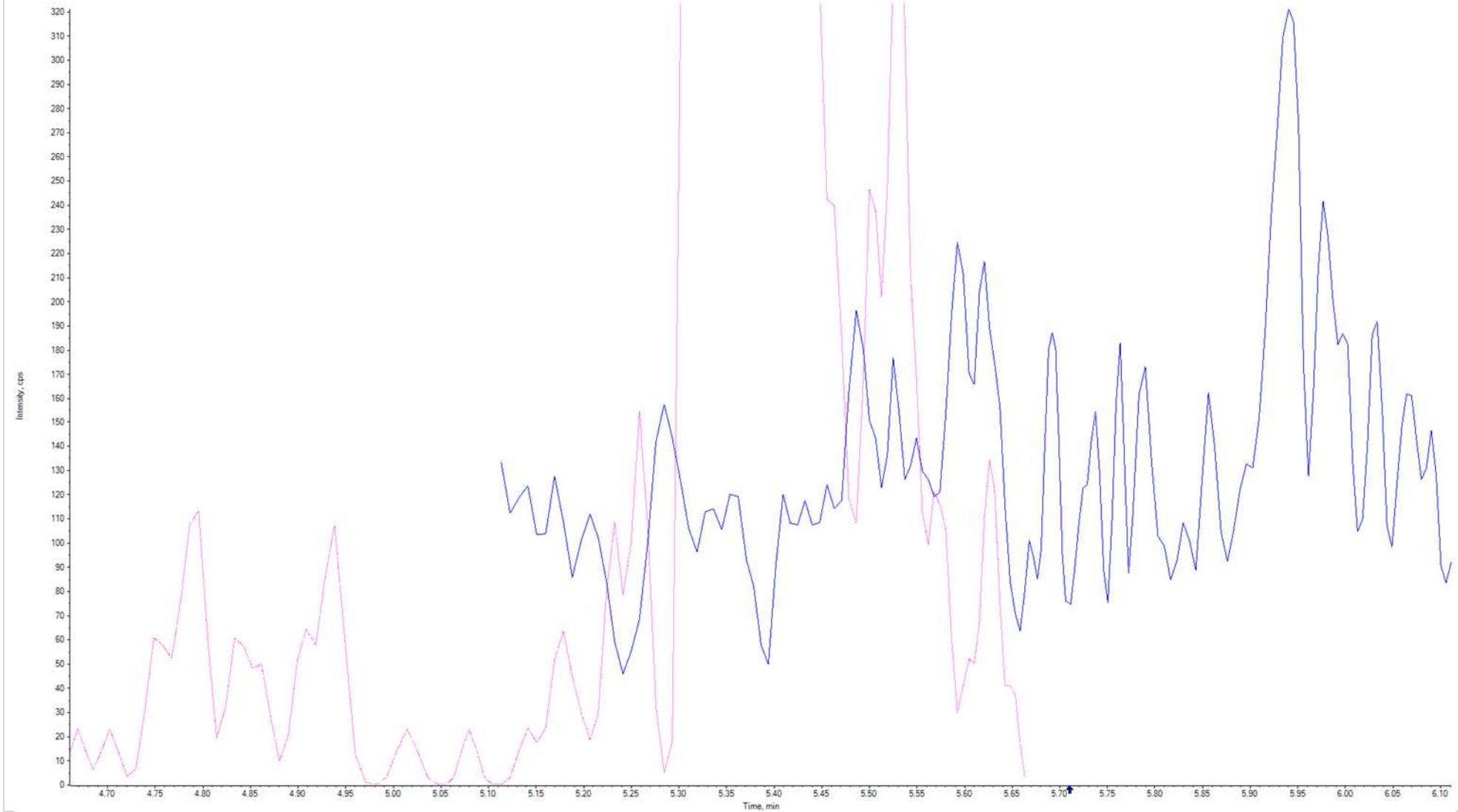

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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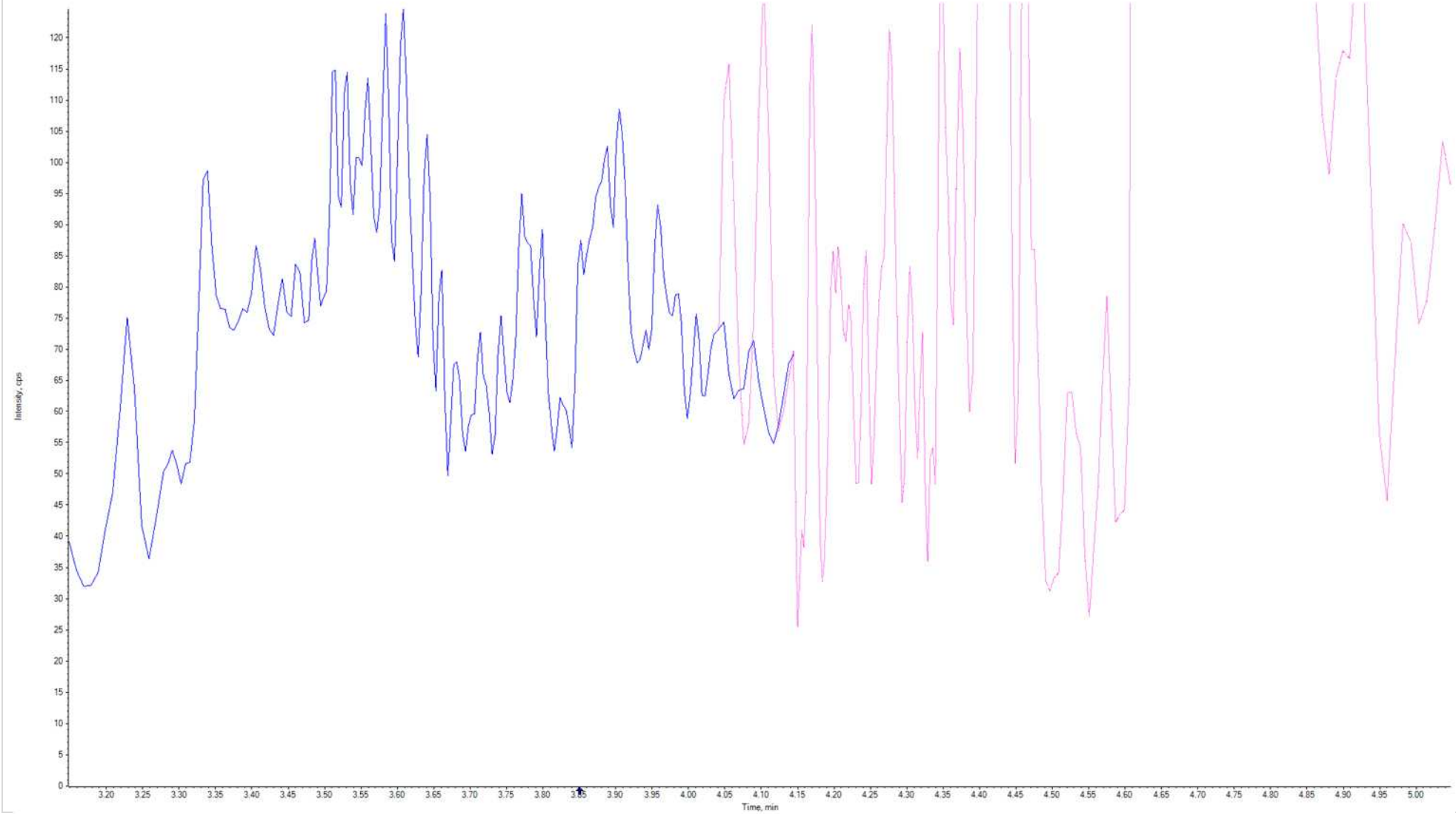
PFMPA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFMBA
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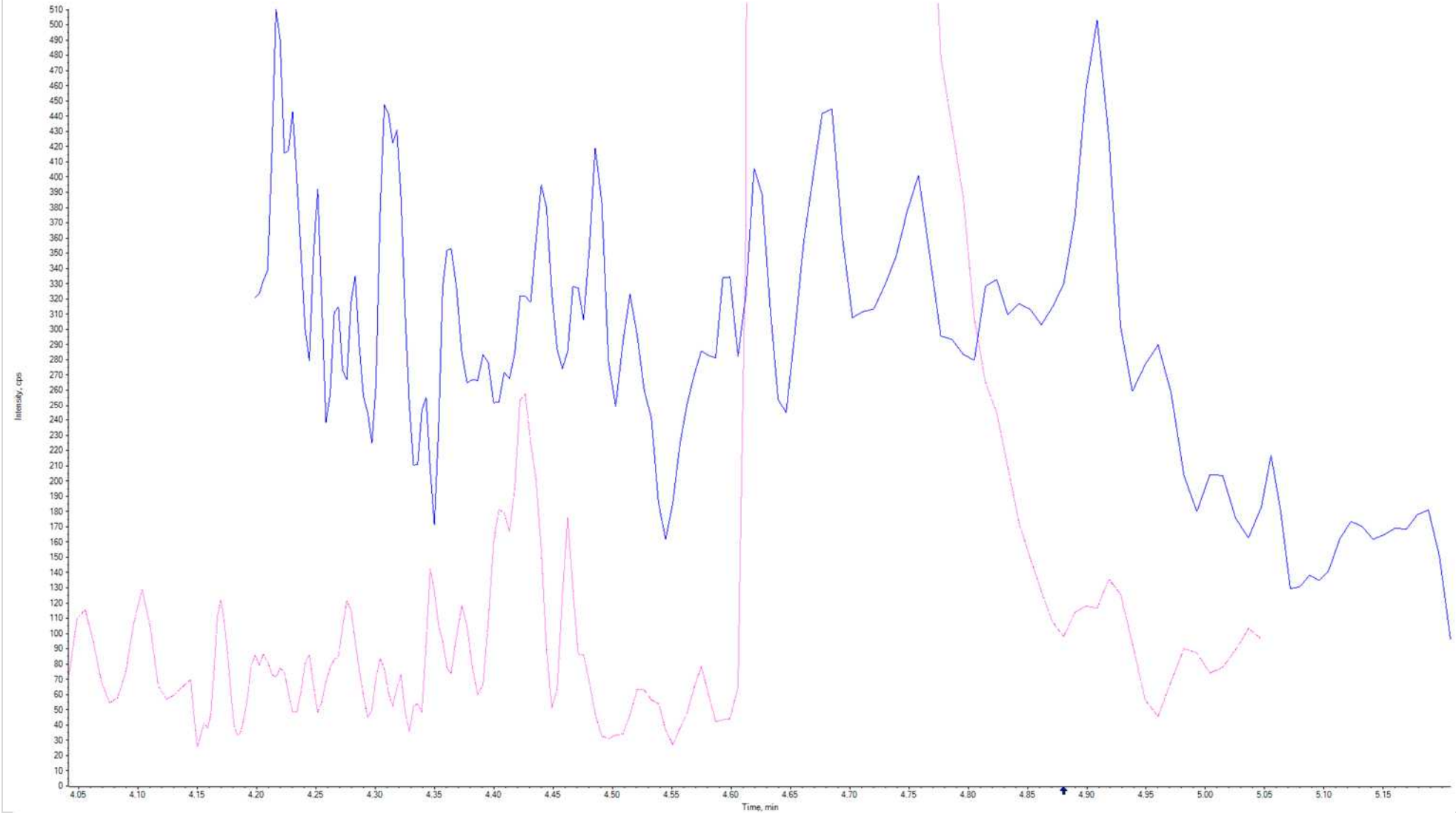

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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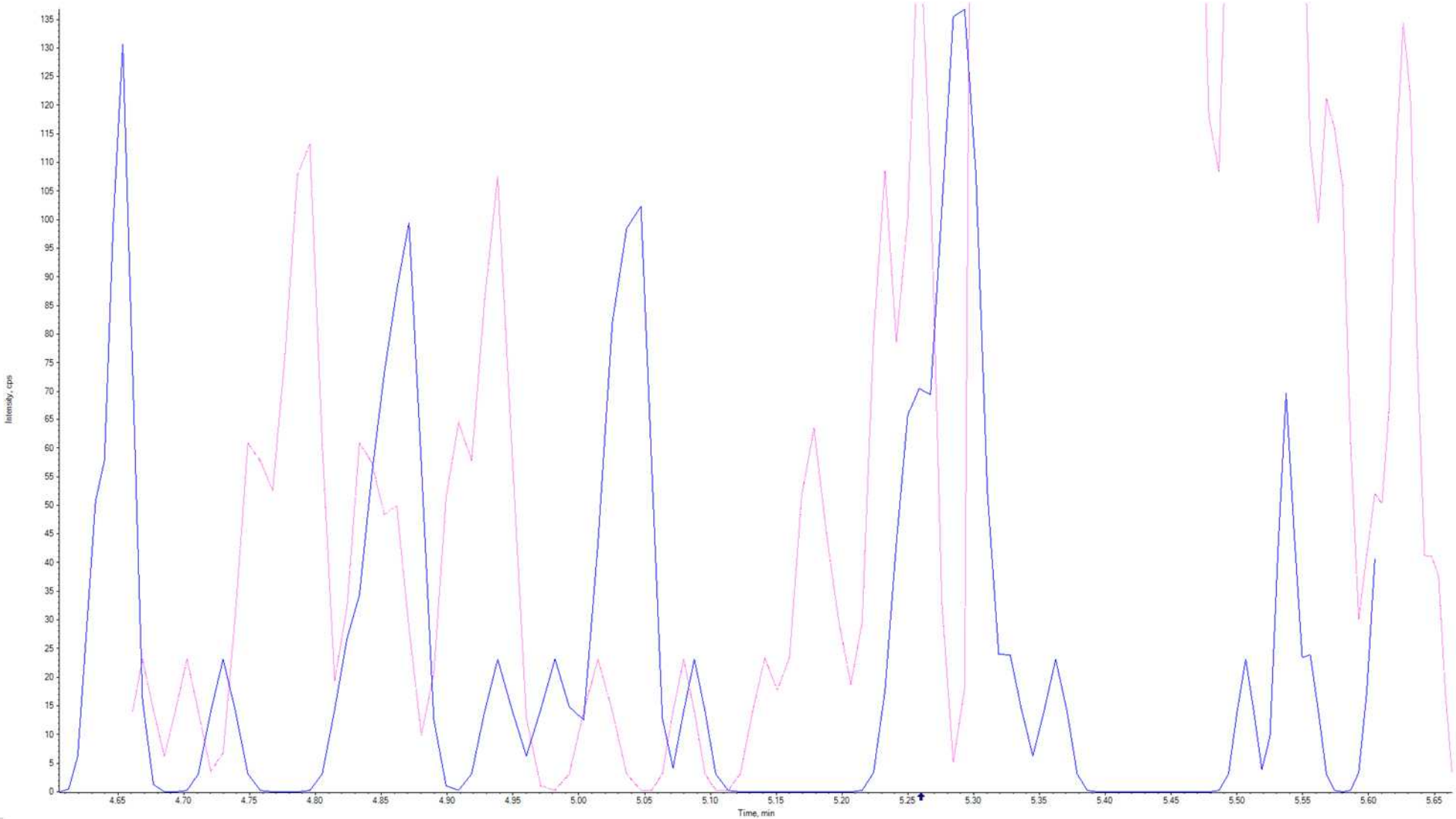
NFDHA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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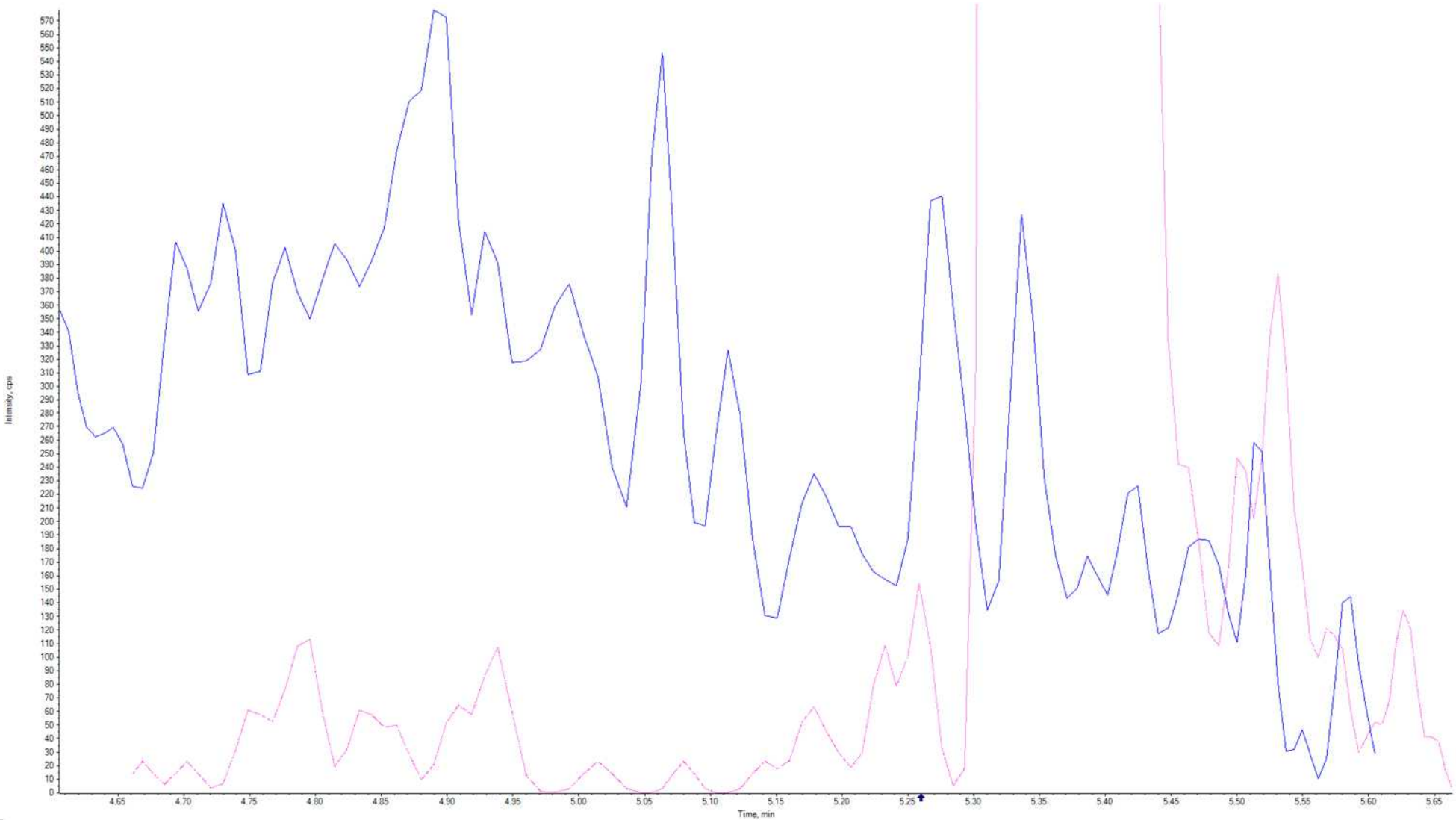
NFDHA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



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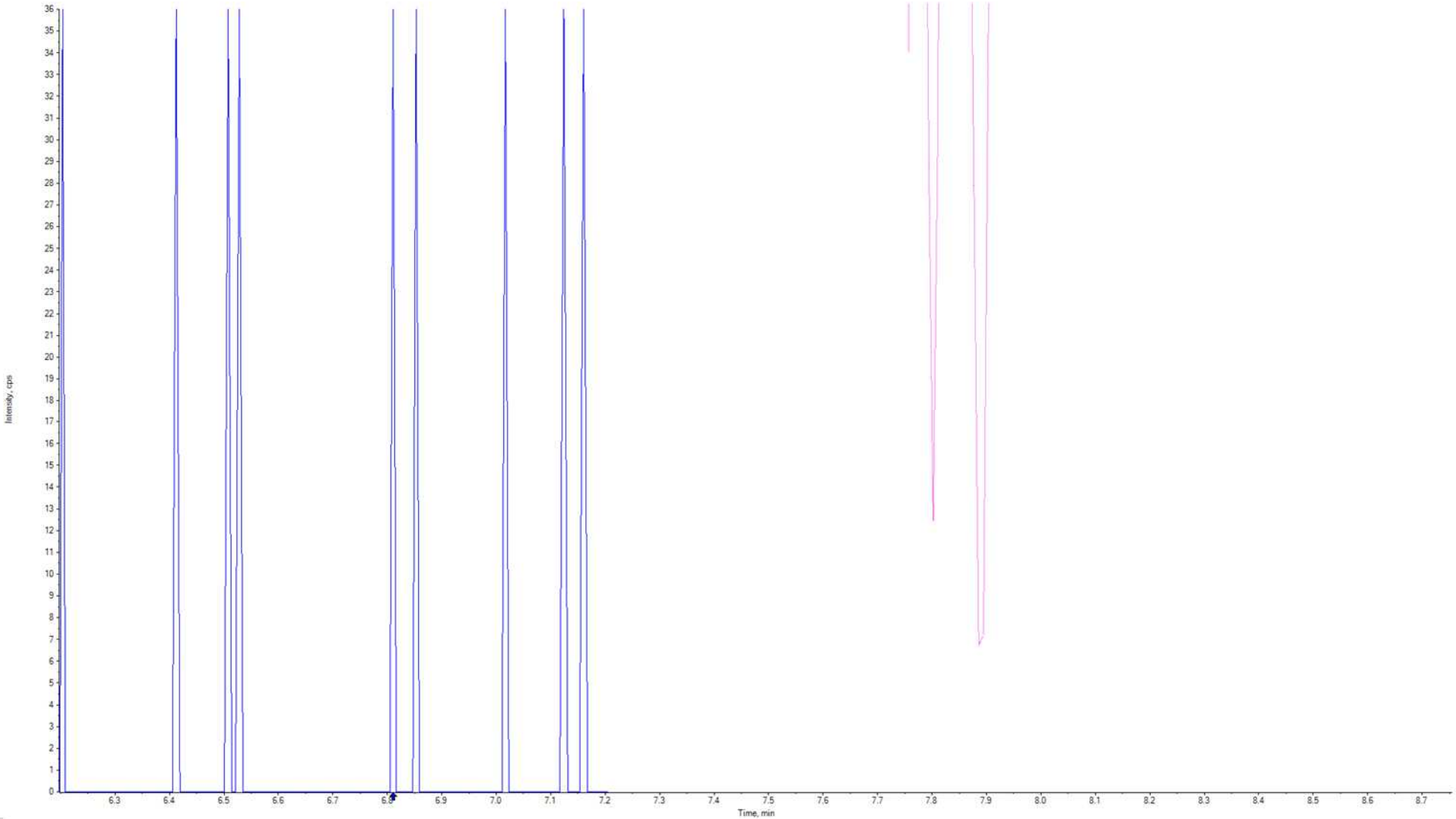
TDCA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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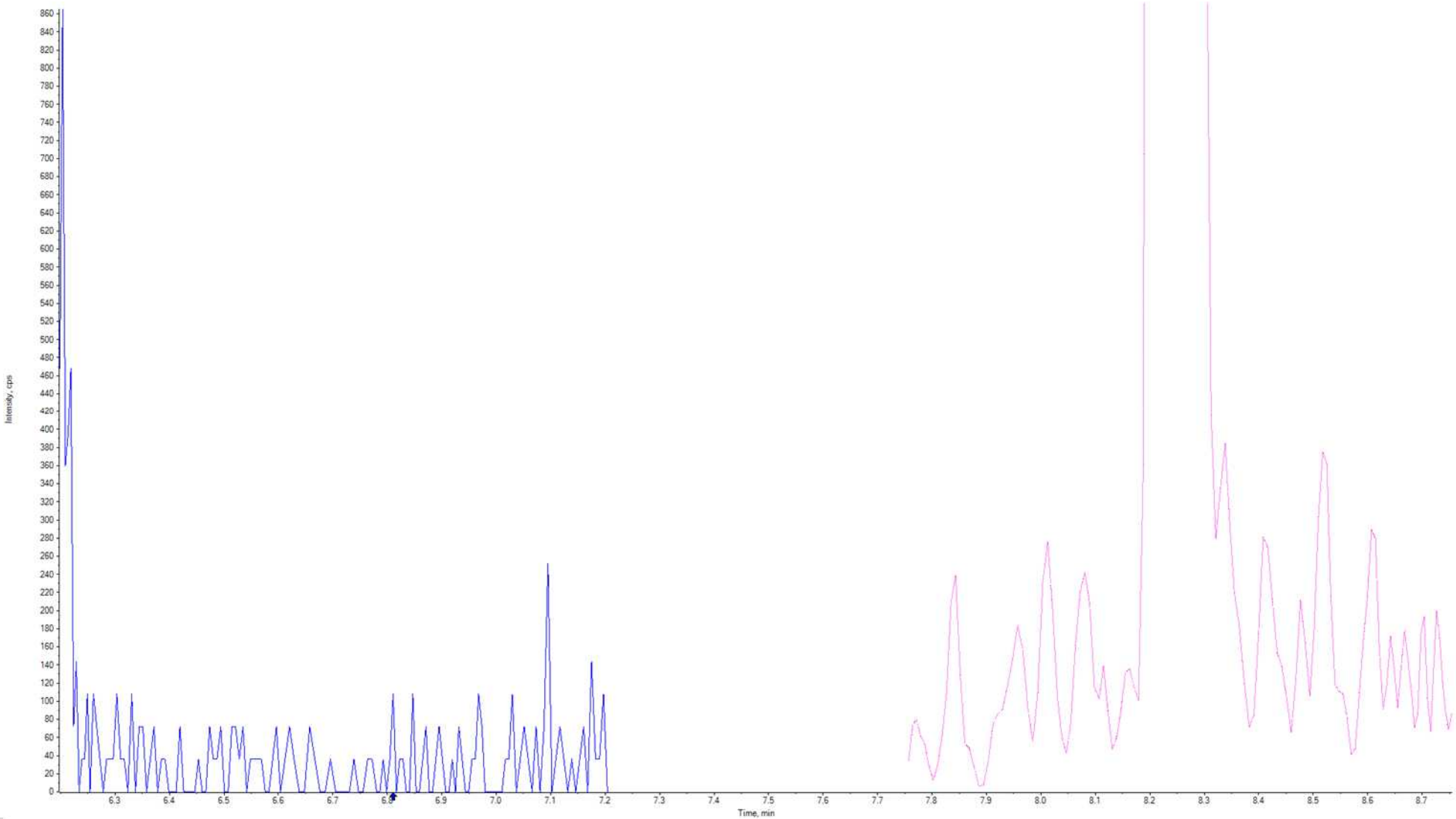
TDCA_2
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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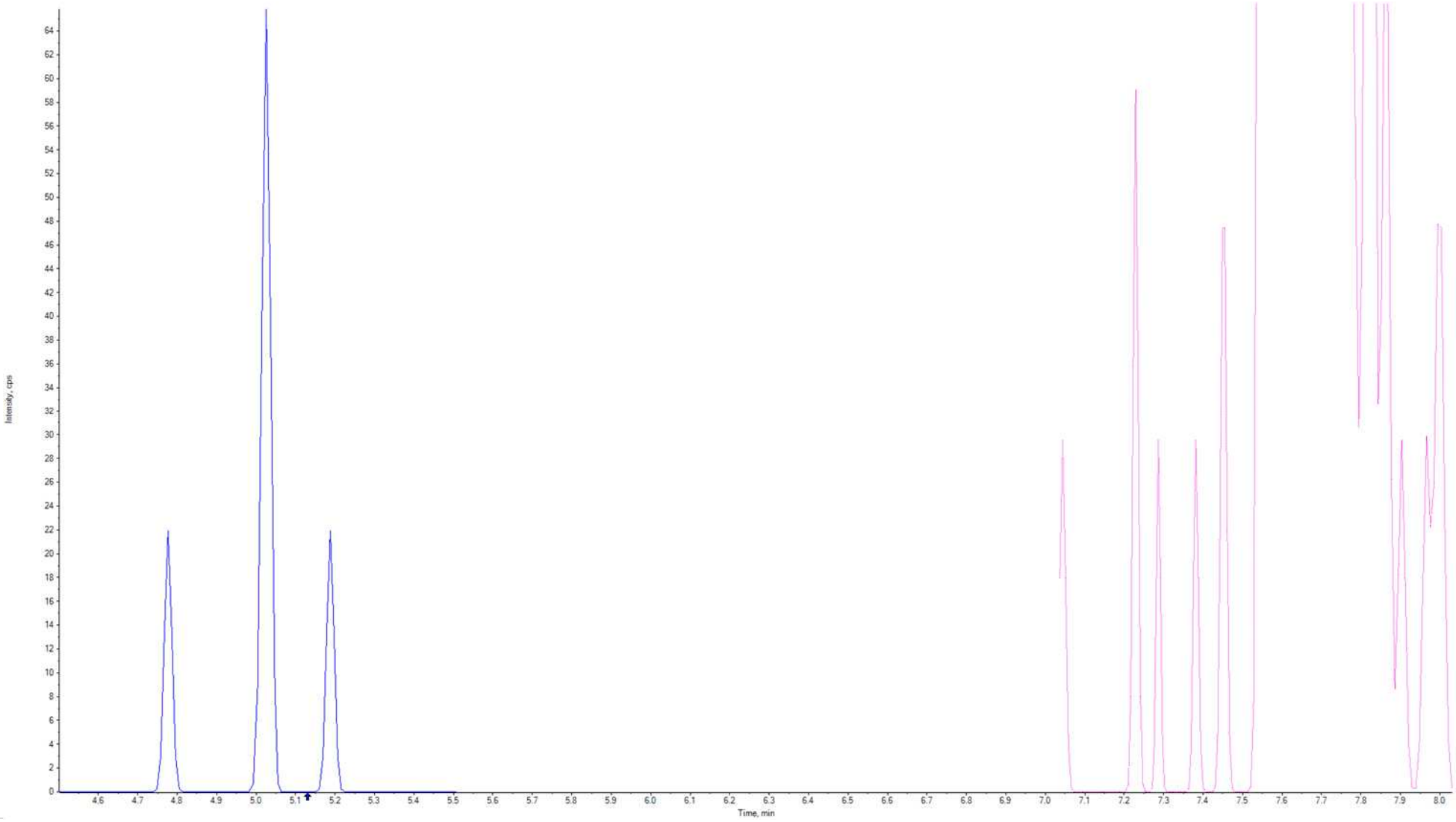
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C2D4-4:2FTS
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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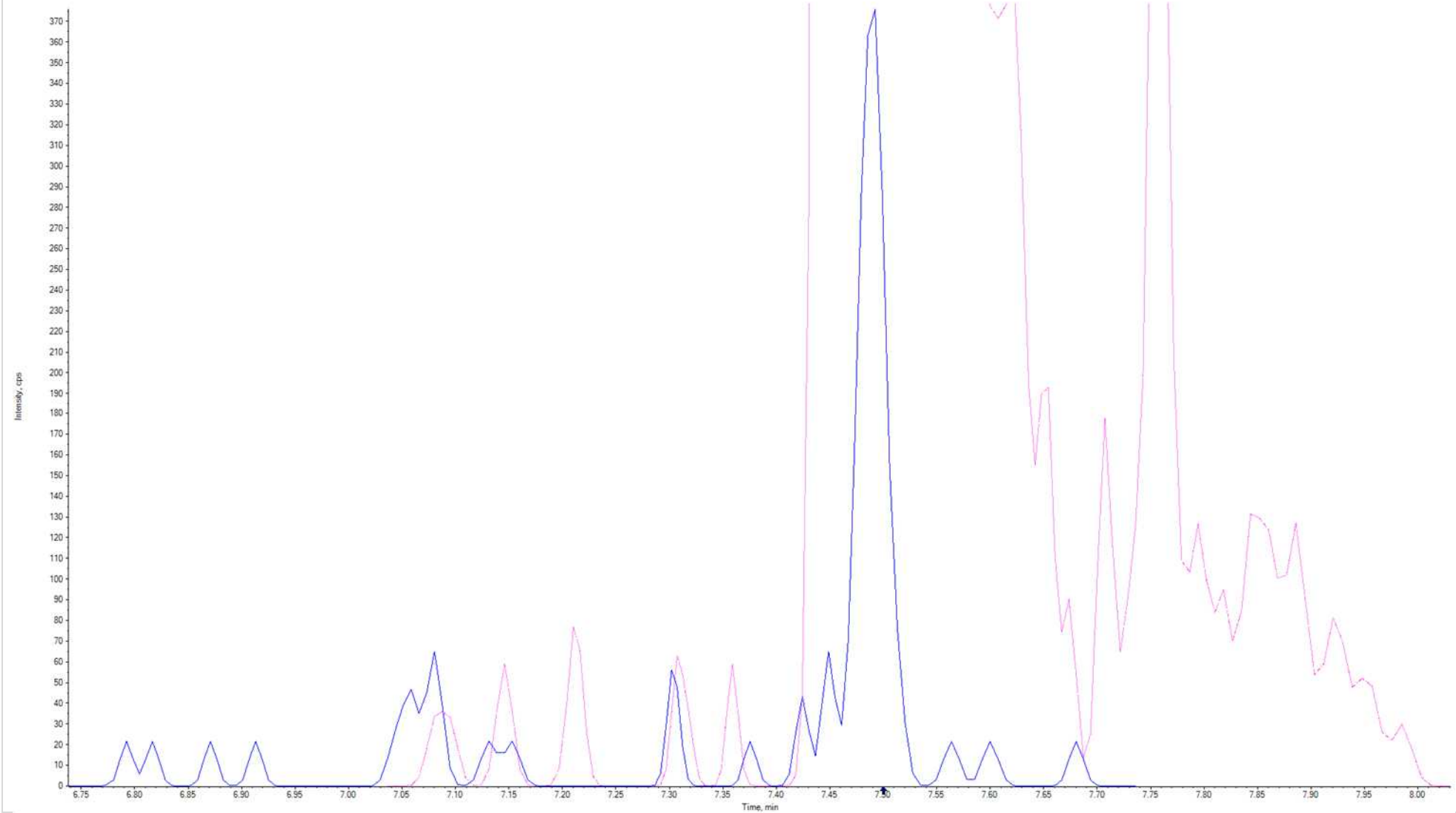
13C2-PFOA
Sample: L2447890-03 S/N:N/A Points Across peak:N/A



13C4-PFBA
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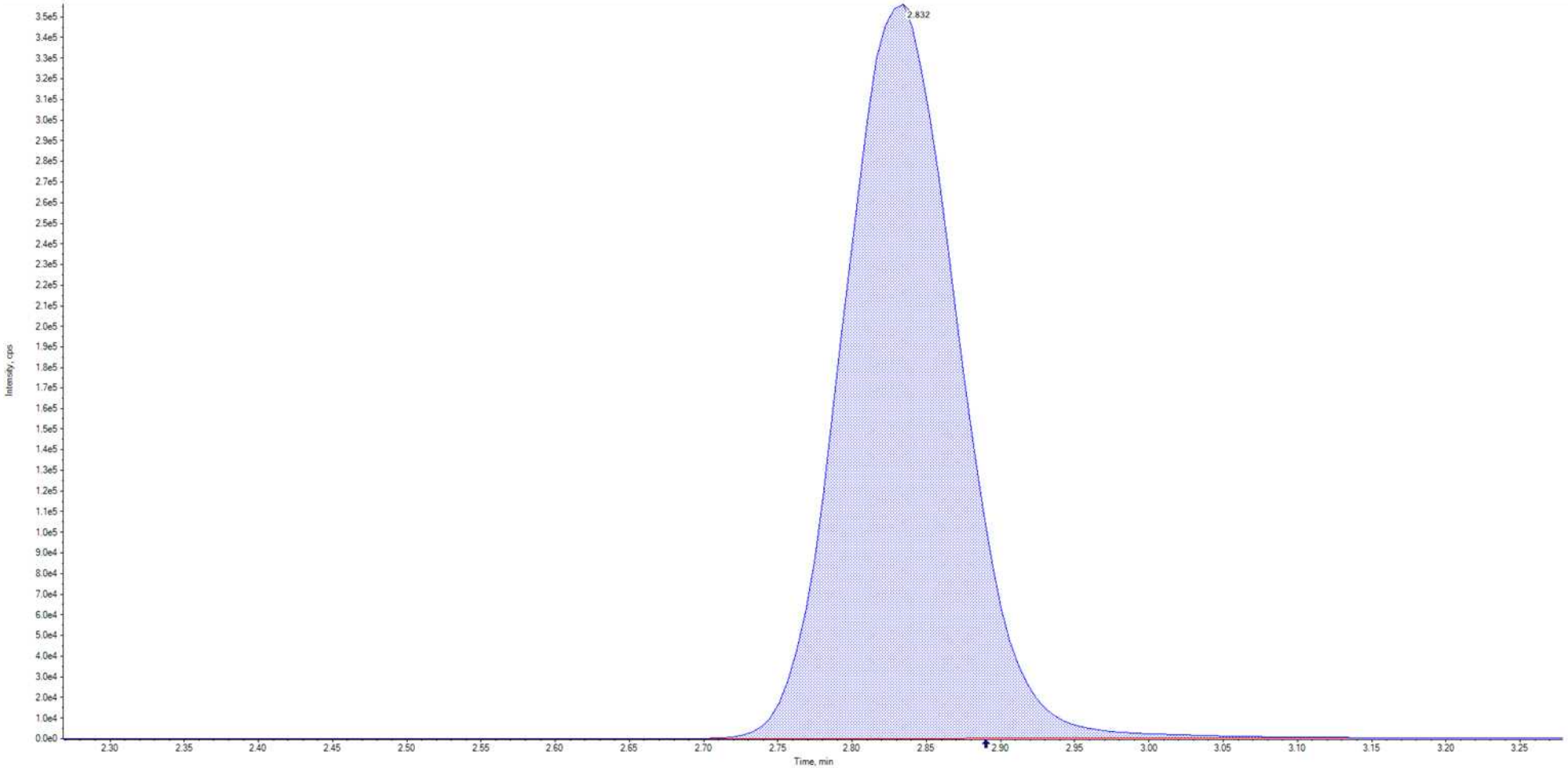

13C5-PFPeA
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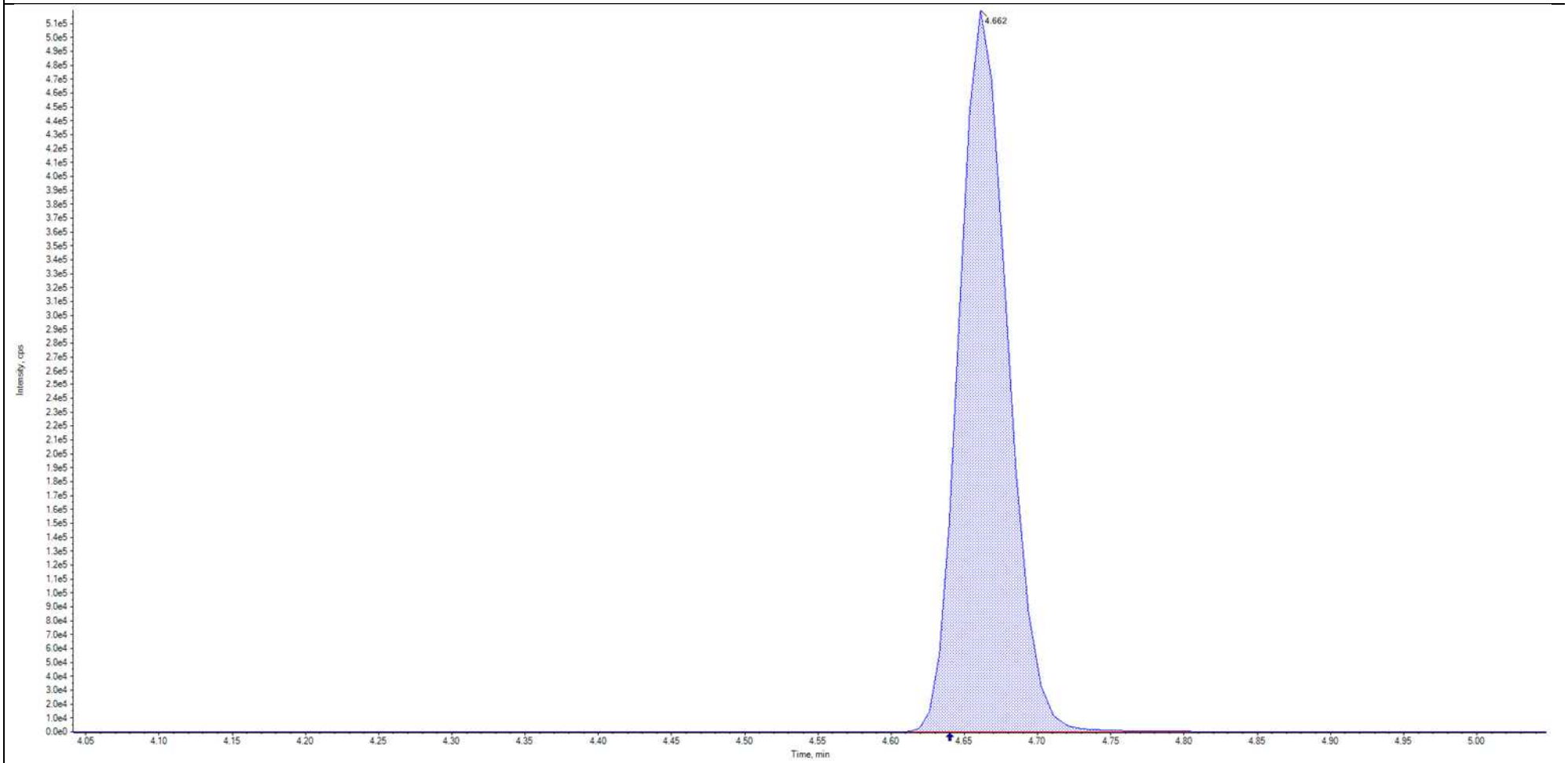
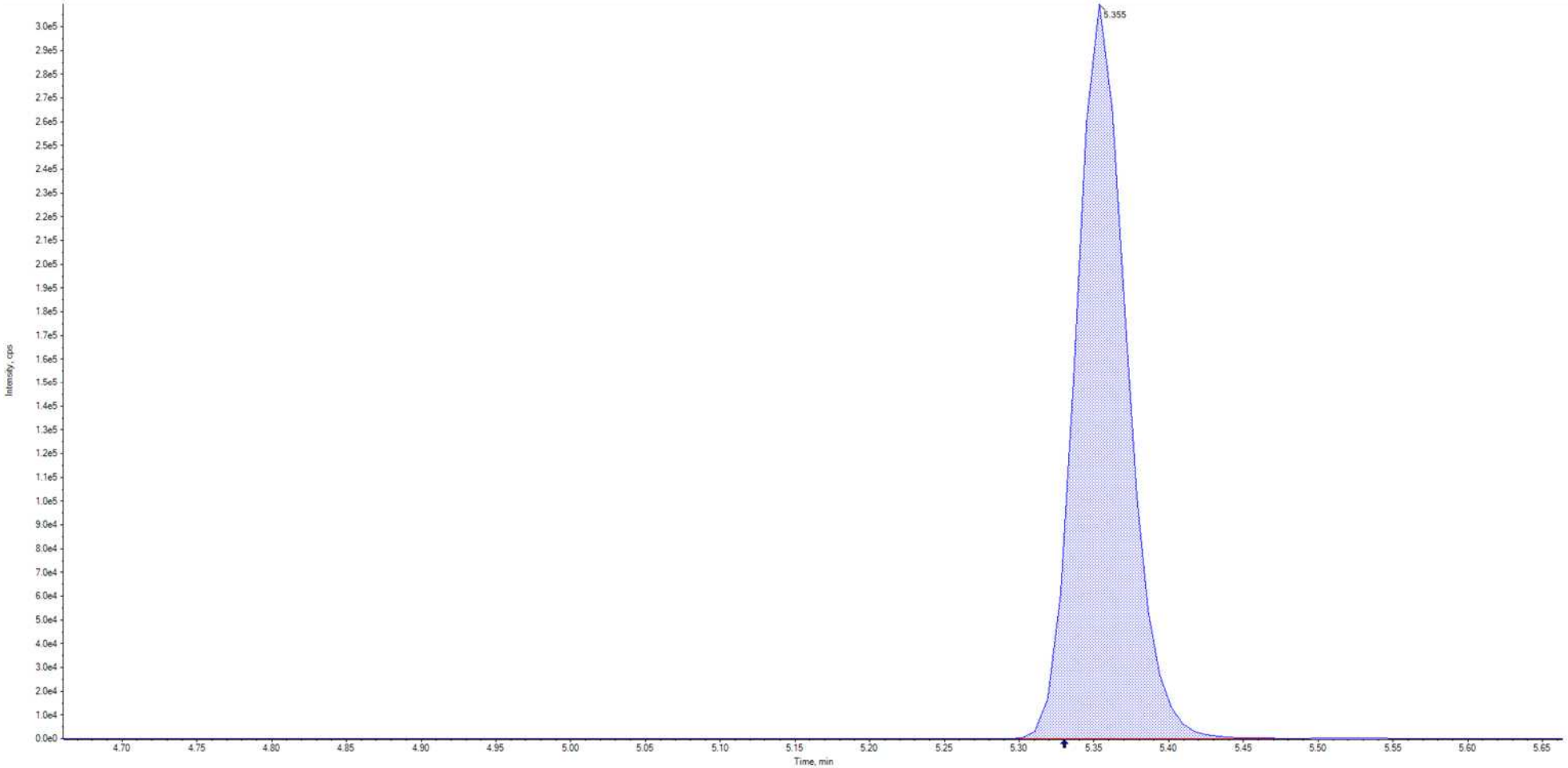


13C5-PFHxA
Sample: L2447890-03



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C4-PFHpA
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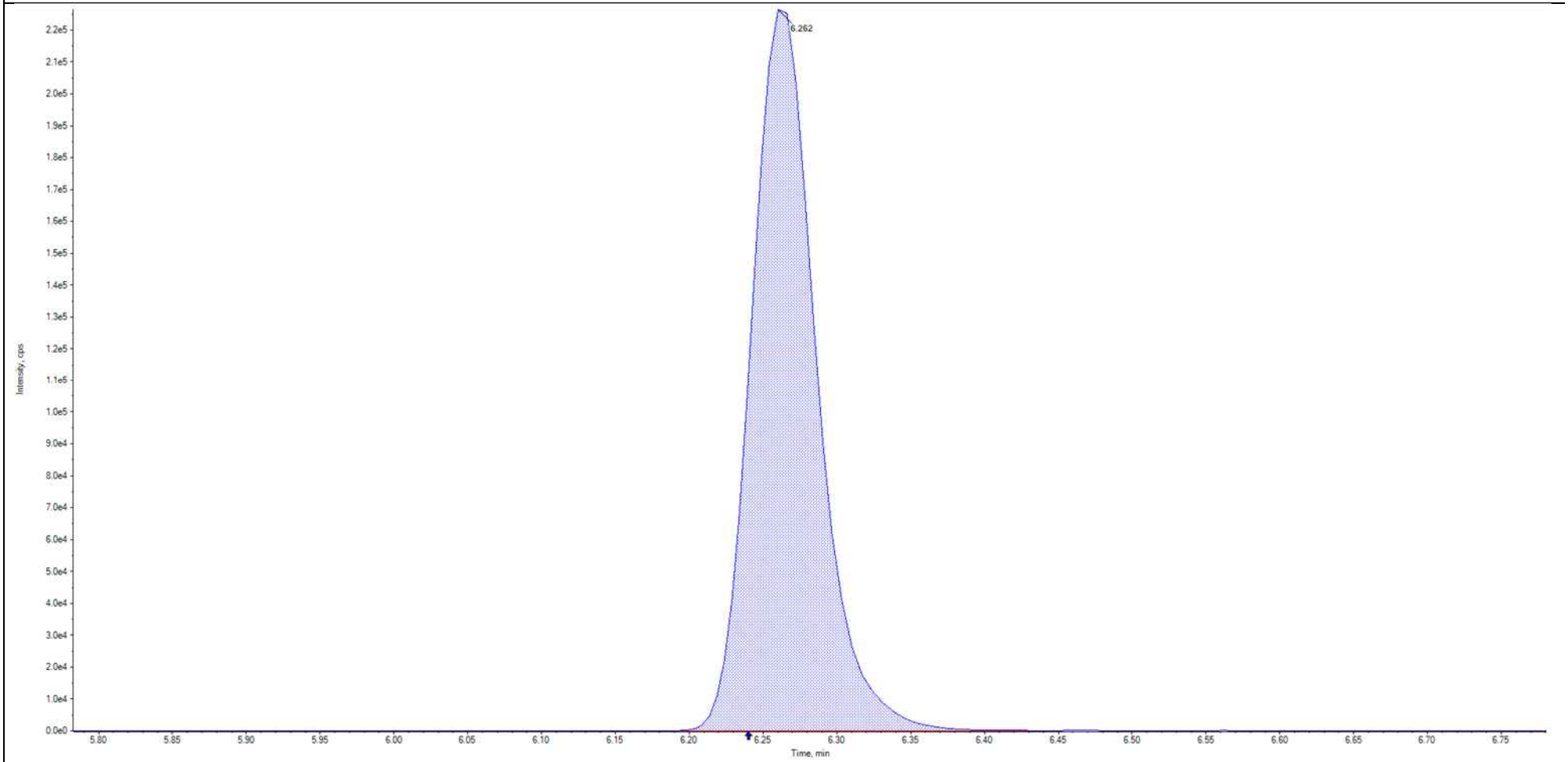
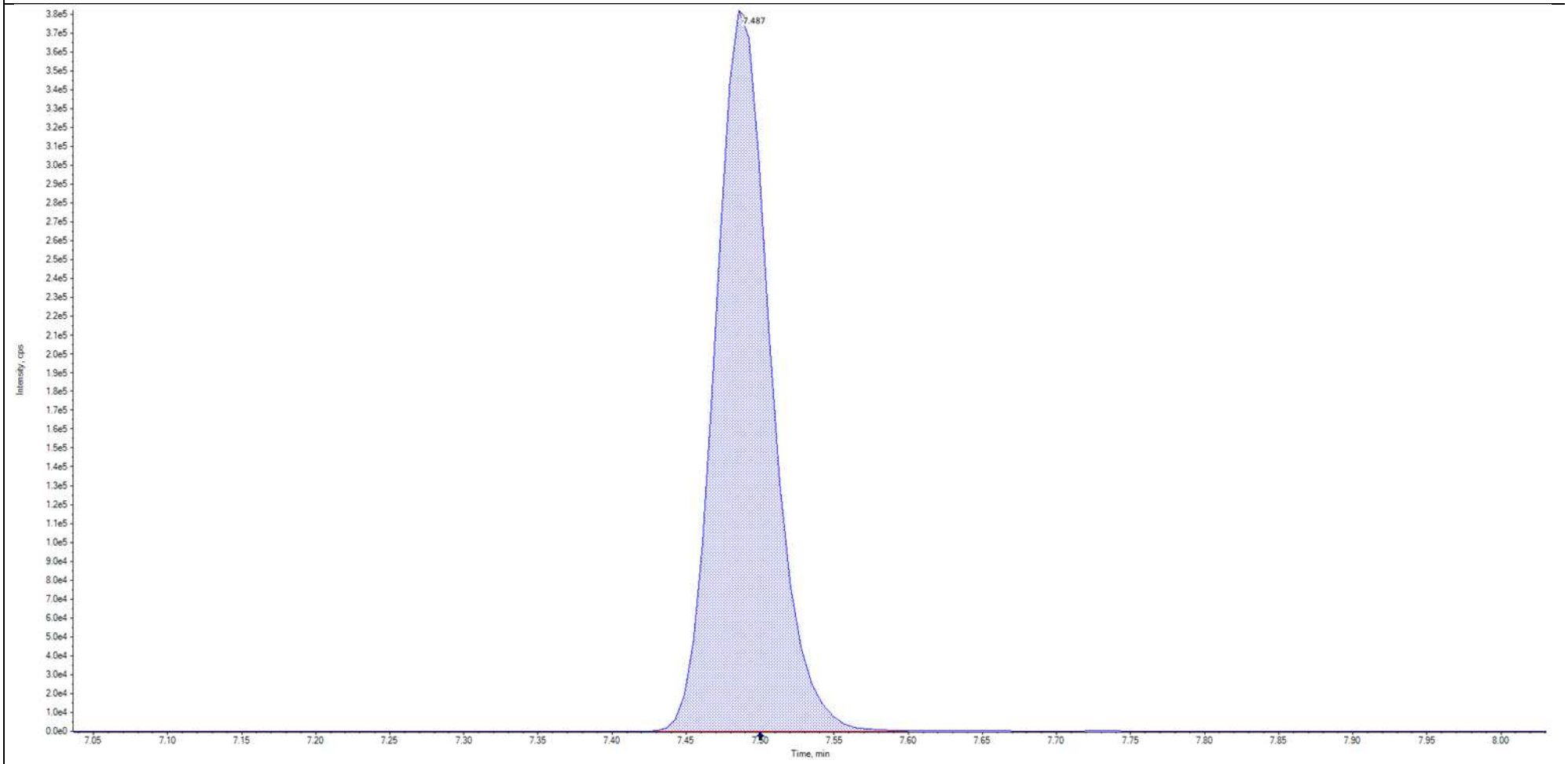


13C8-PFOA
Sample: L2447890-03



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C9-PFNA
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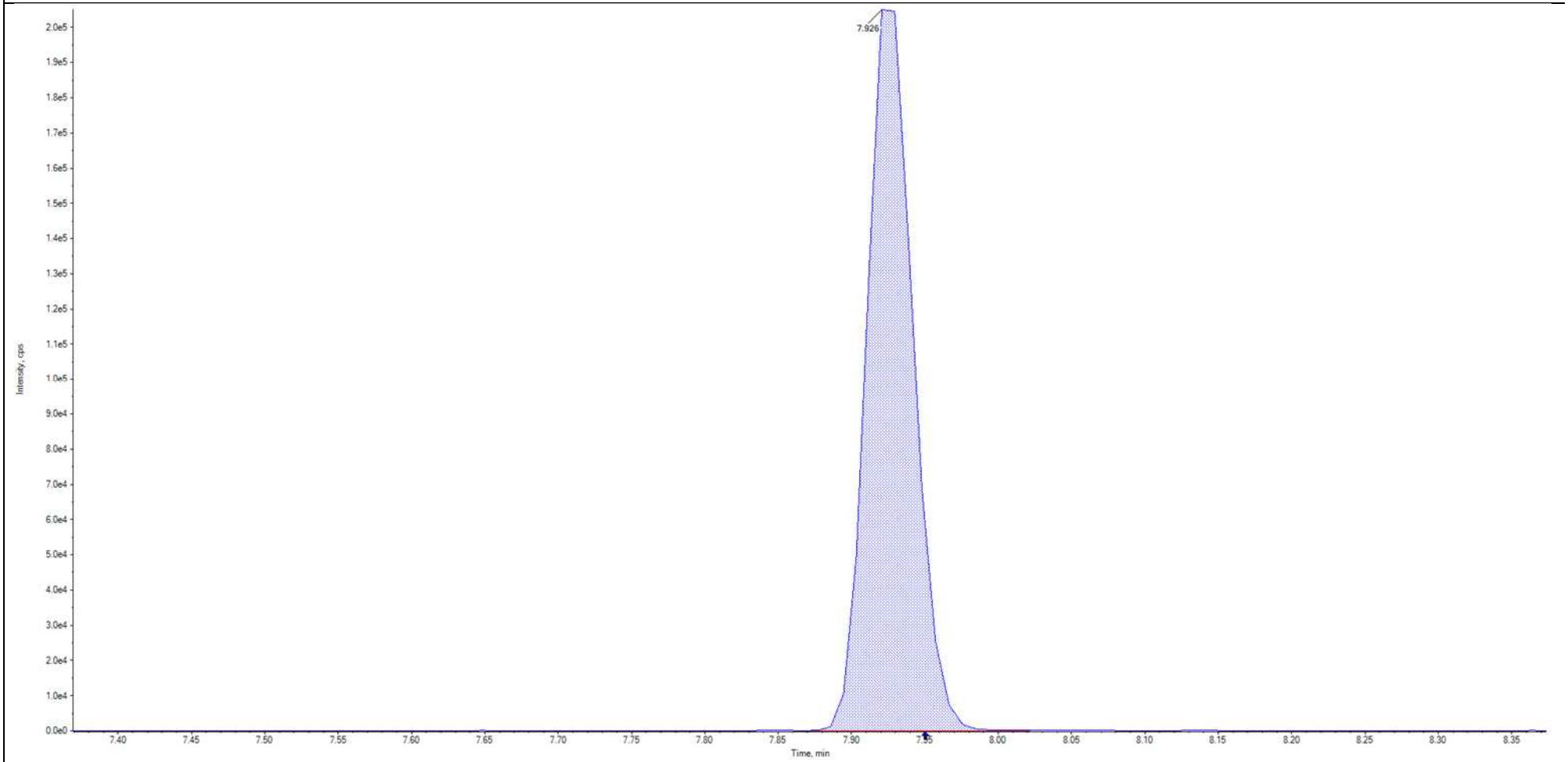

13C6-PFDA
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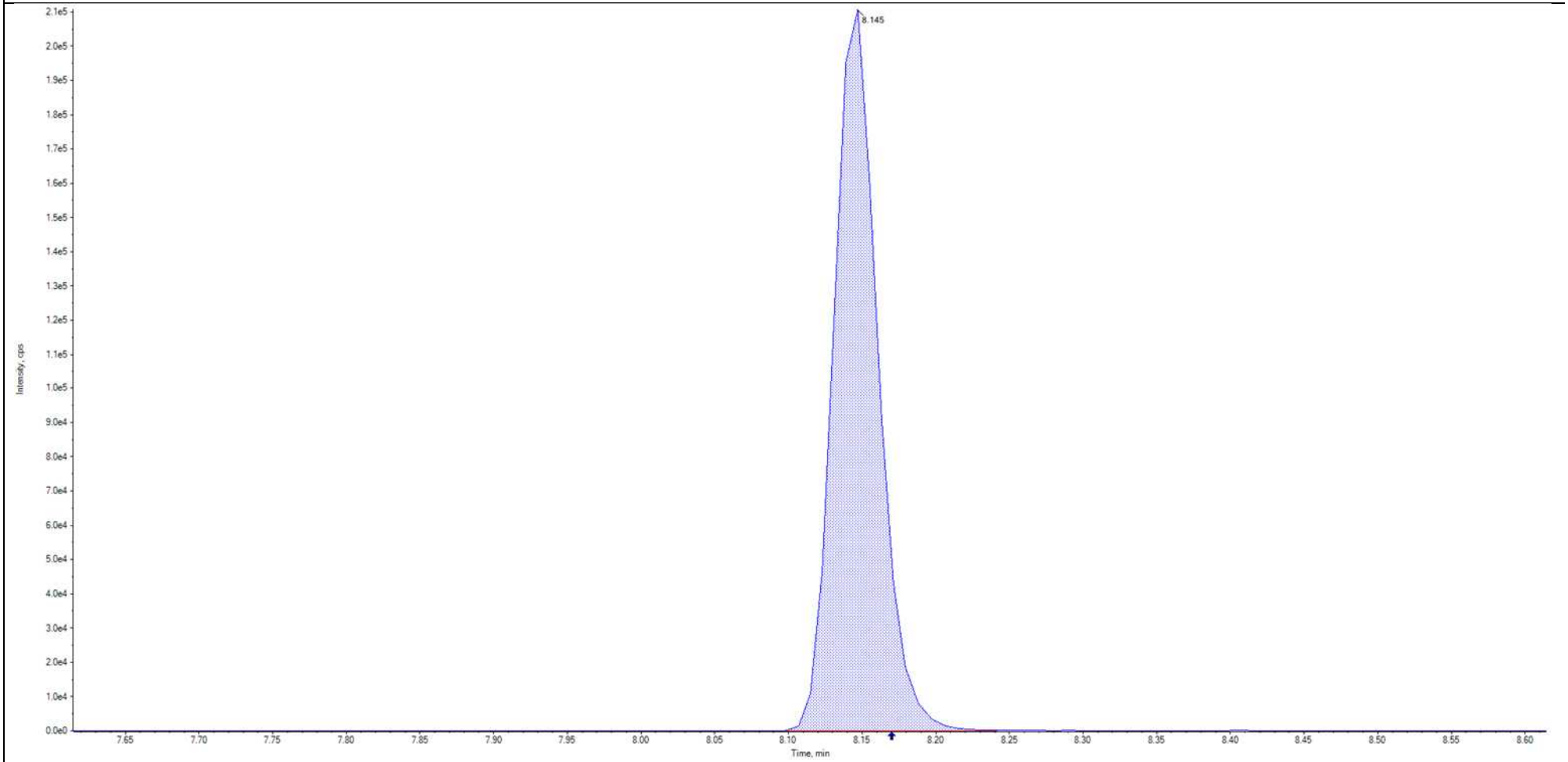

13C7-PFUnA
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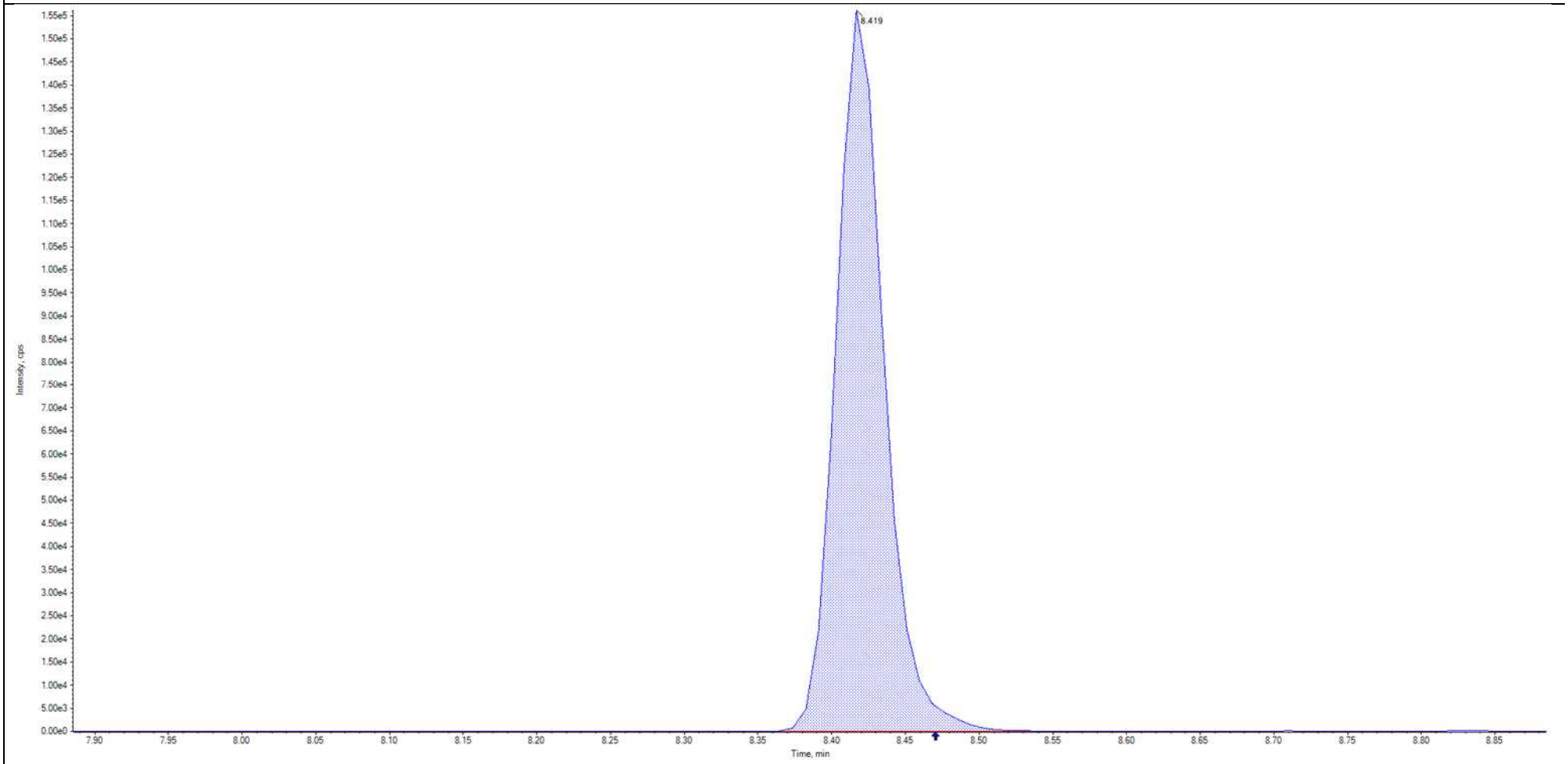

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C2-PFDoA
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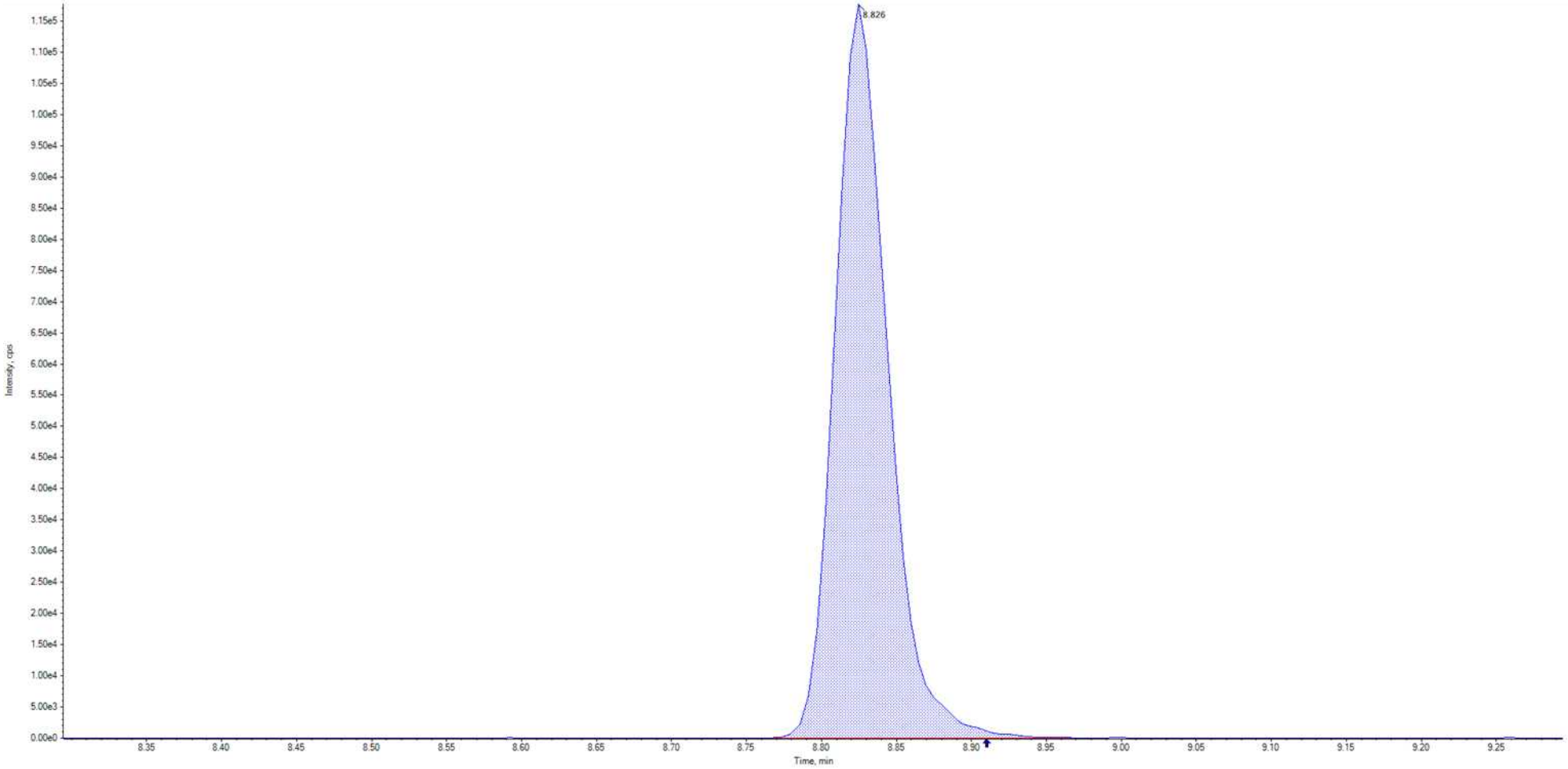

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C2-PFTeDA
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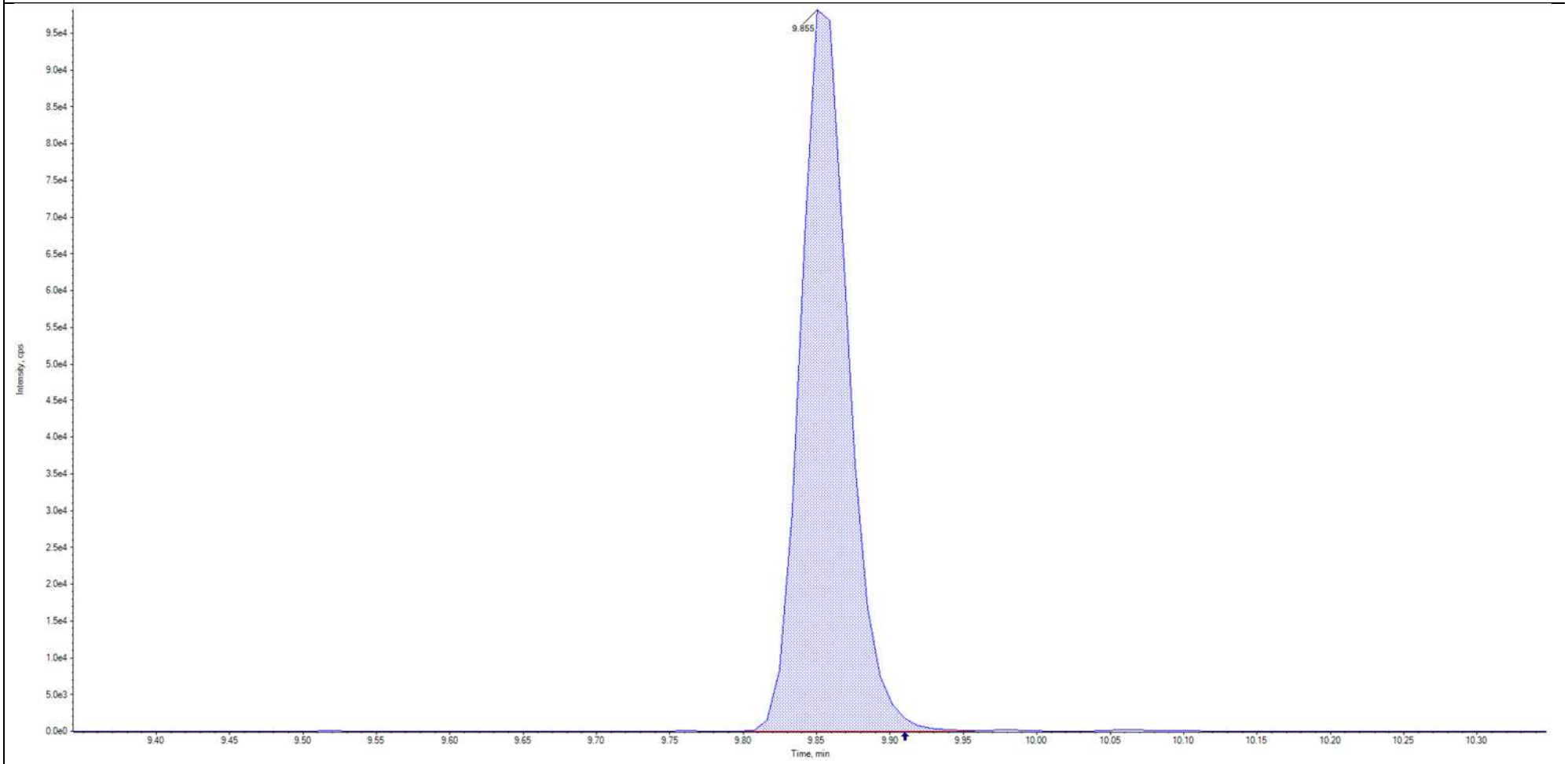

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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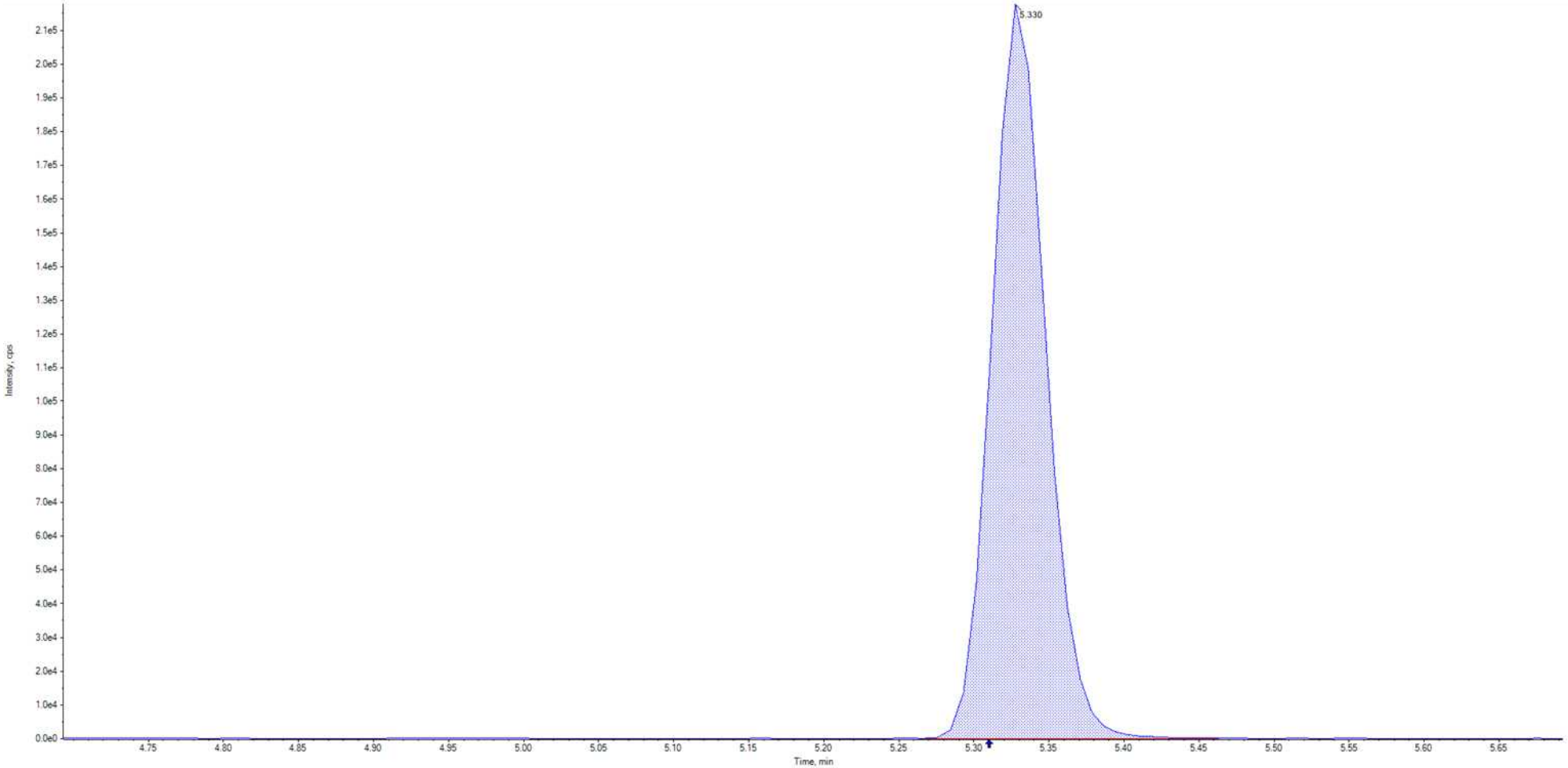
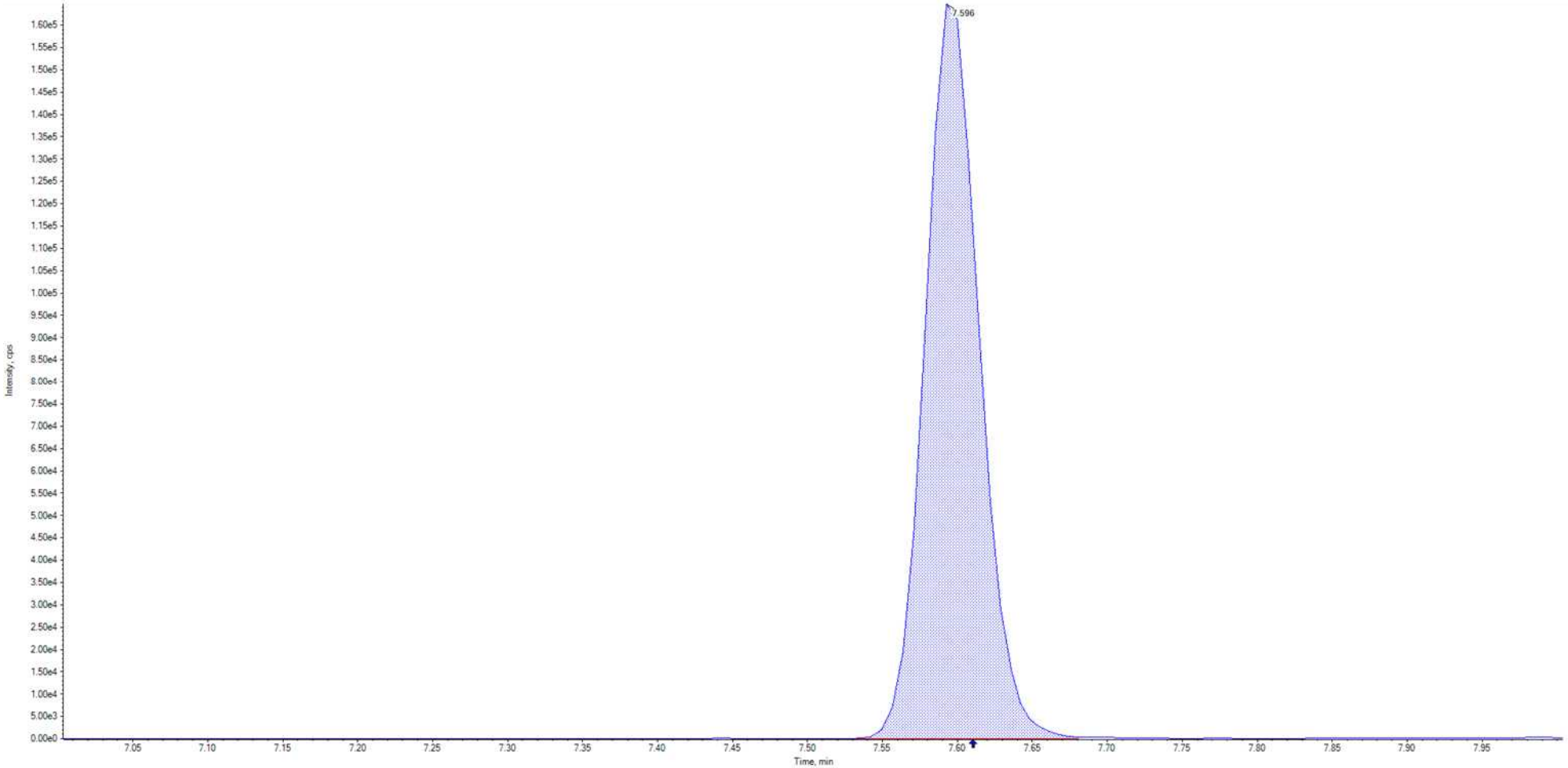
13C3-PFBS
Sample: L2447890-03



13C3-PFHxS
Sample: L2447890-03



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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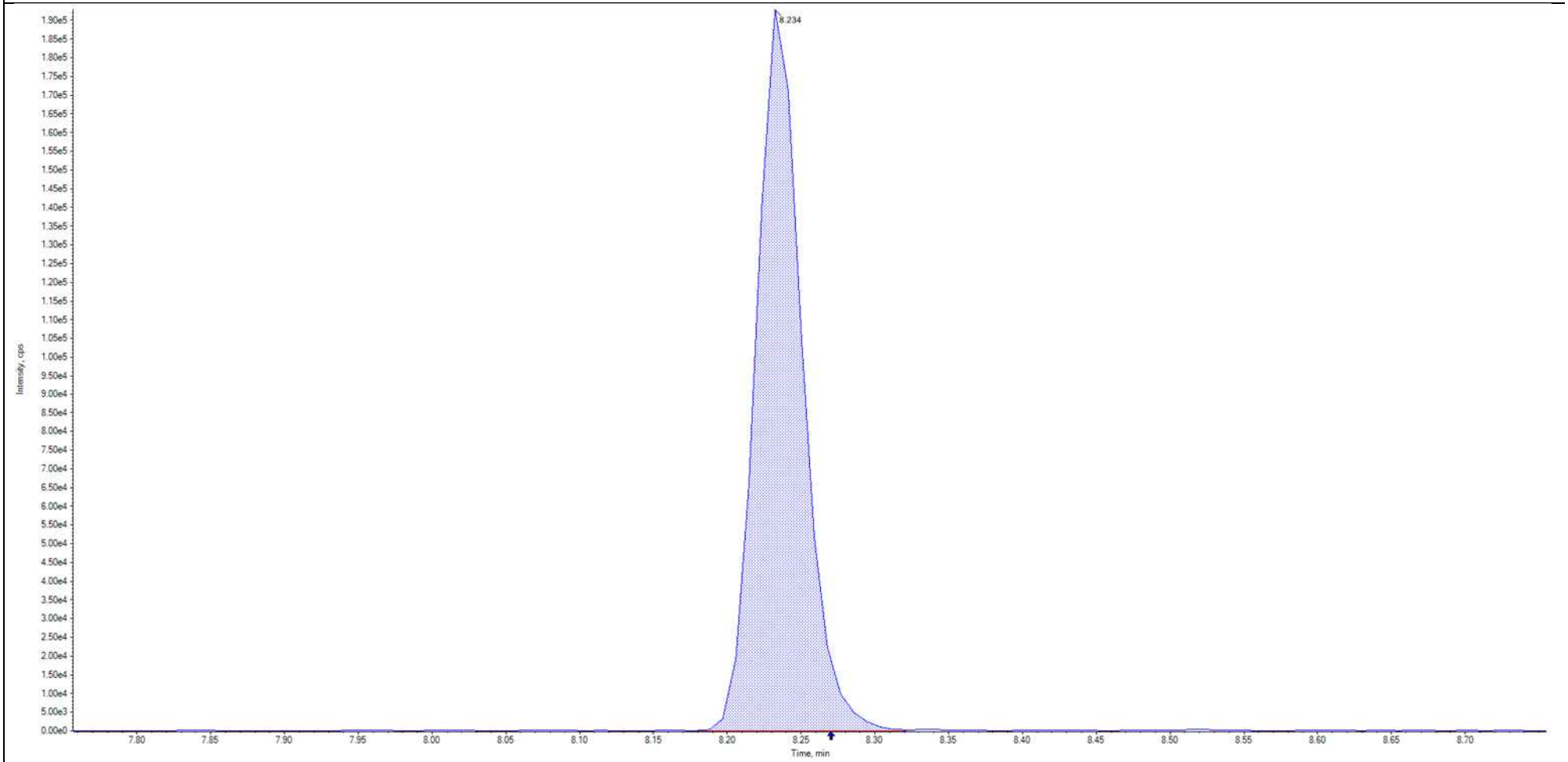
13C8-PFOS
Sample: L2447890-03



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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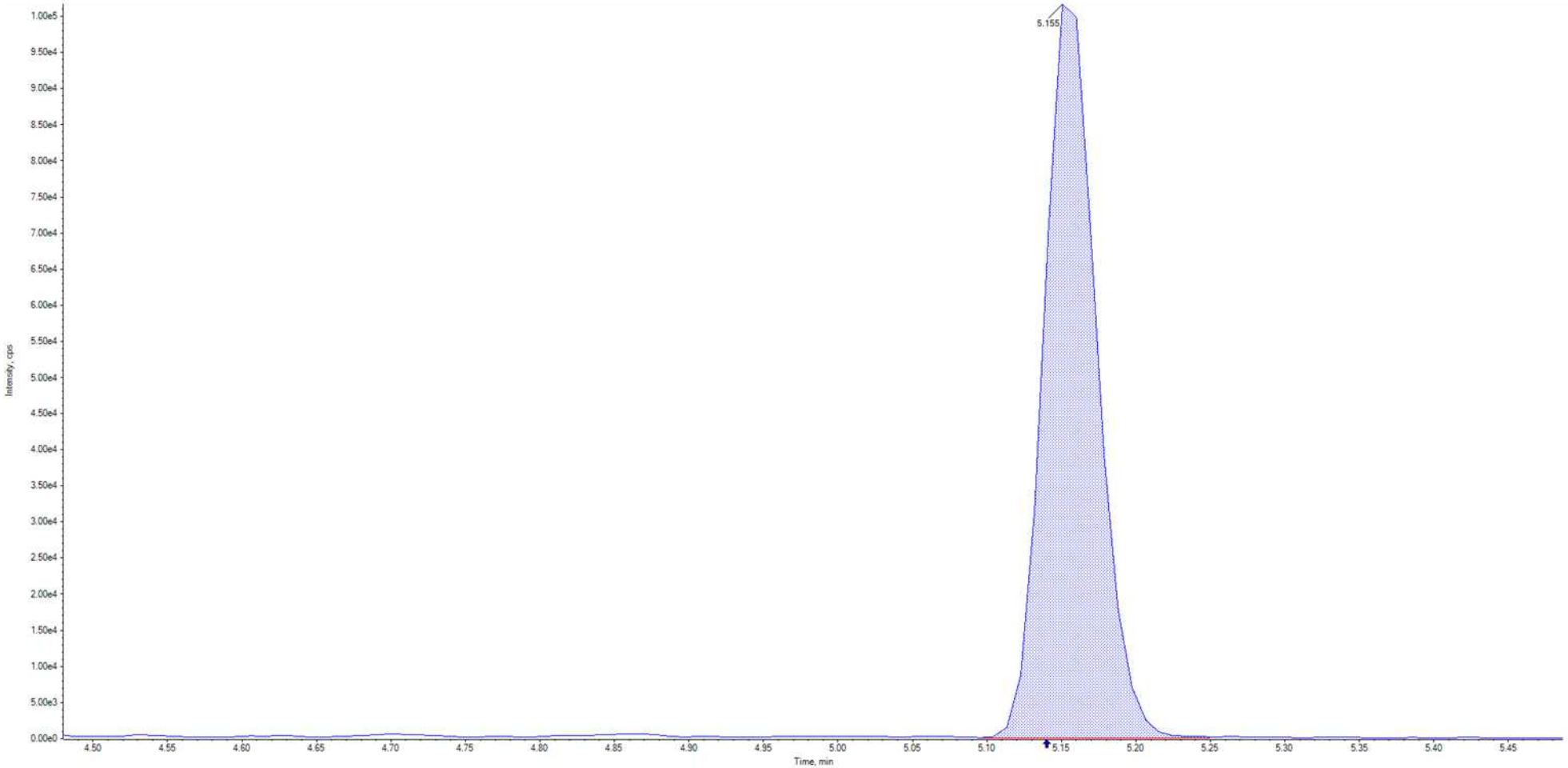
13C2-4:2FTS
Sample: L2447890-03



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13C2-6:2FTS
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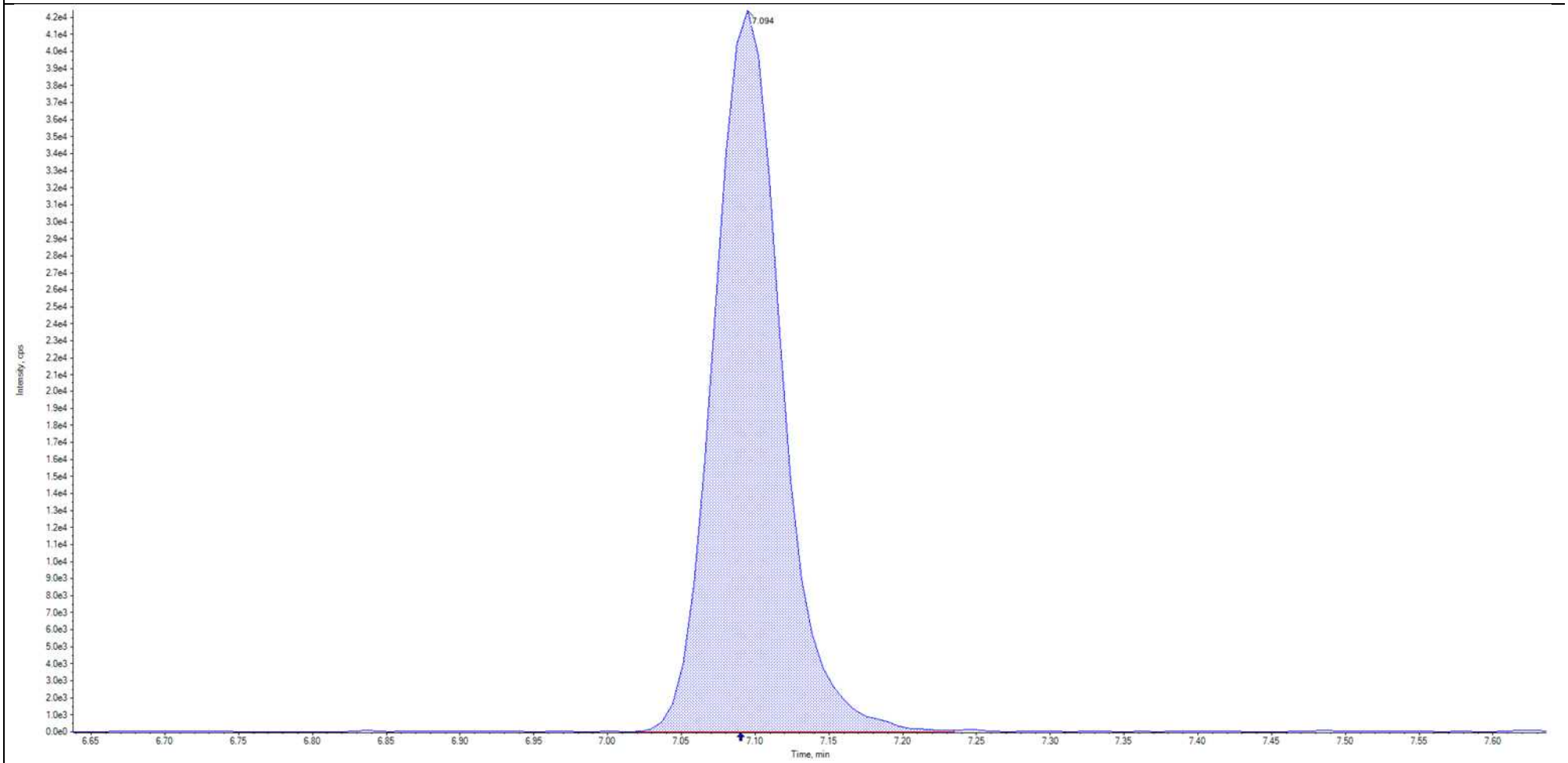
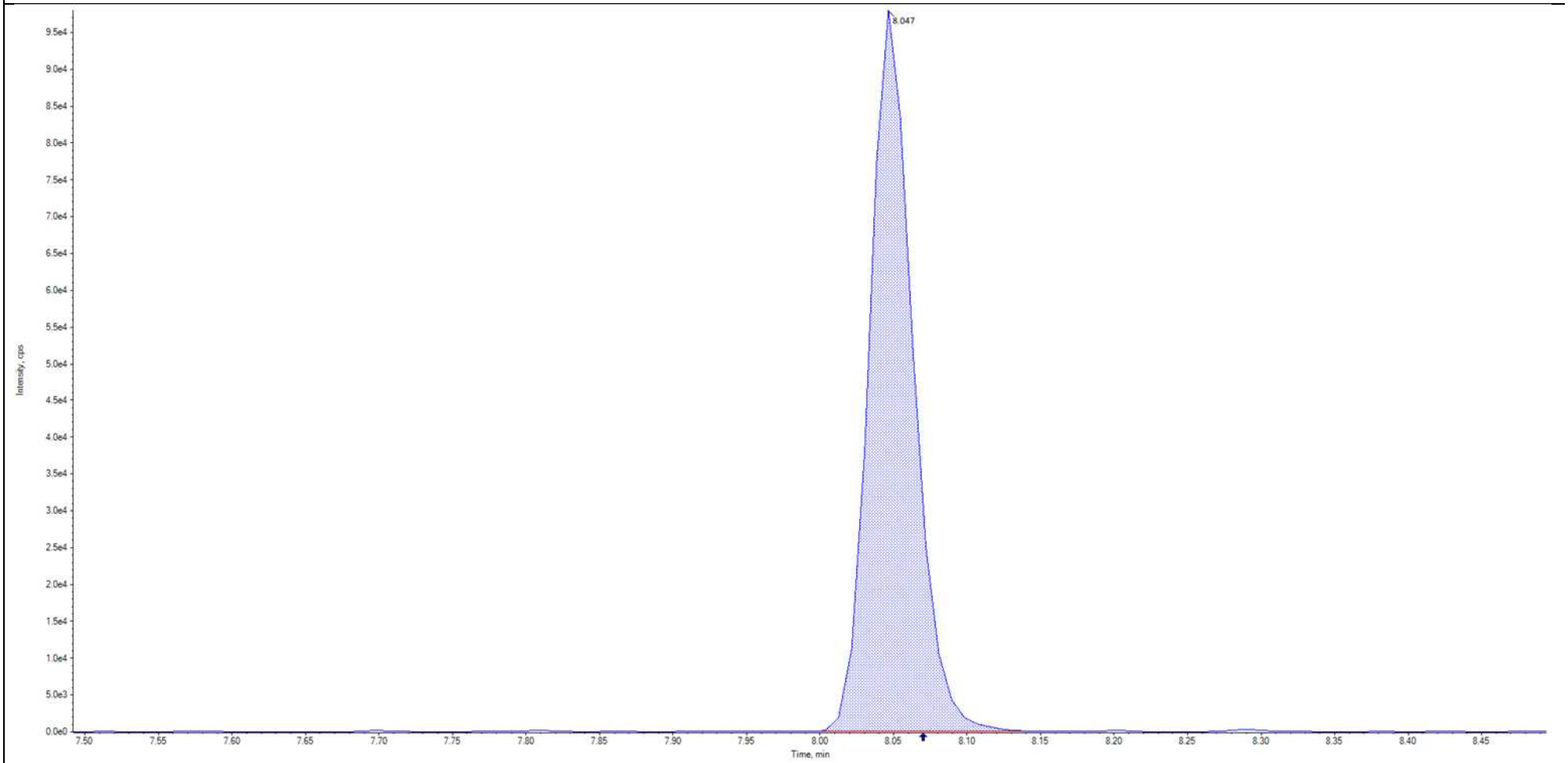


13C2-8:2FTS
Sample: L2447890-03



13C8-PFOSA
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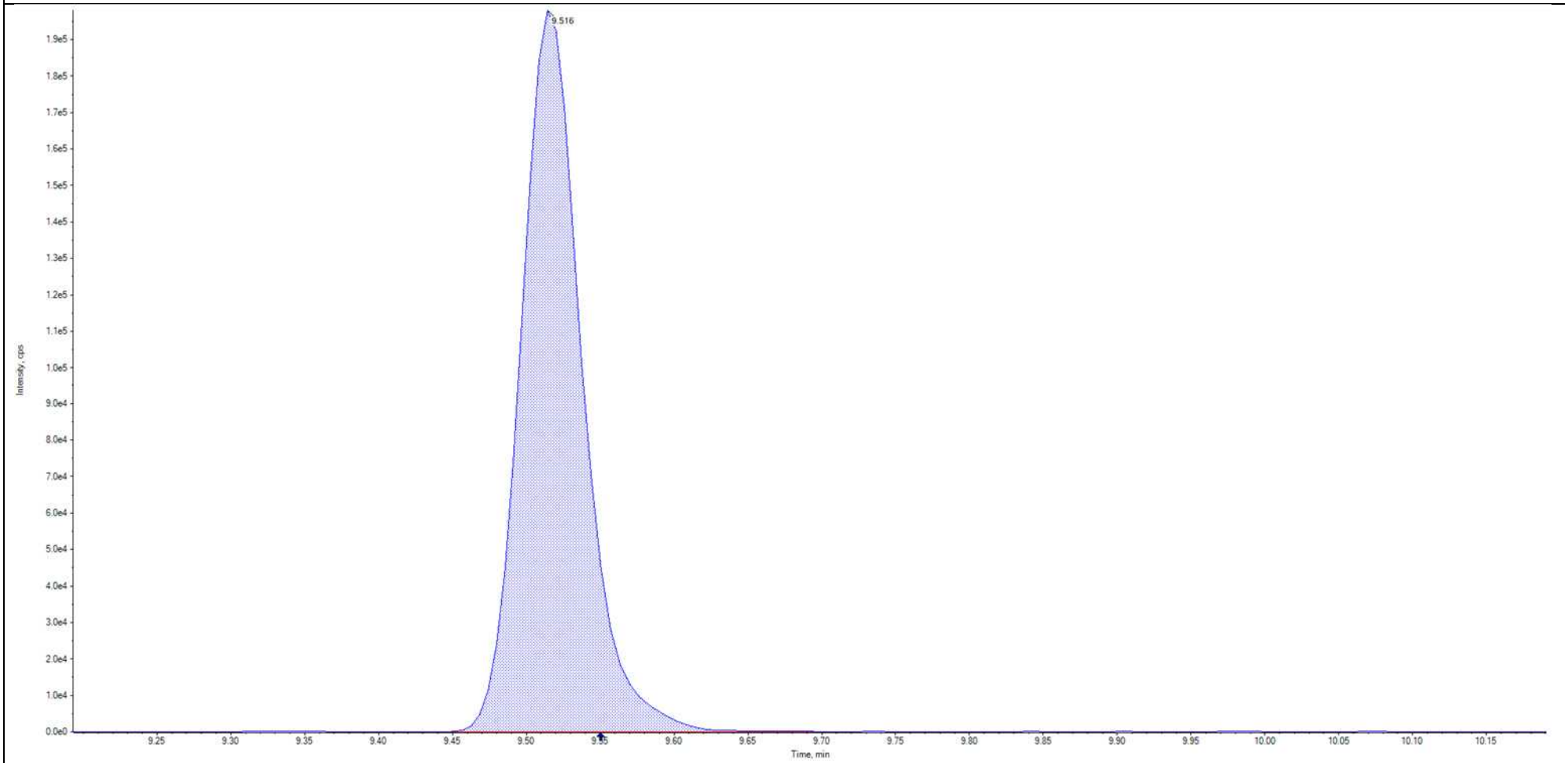

d3-NMeFOSA
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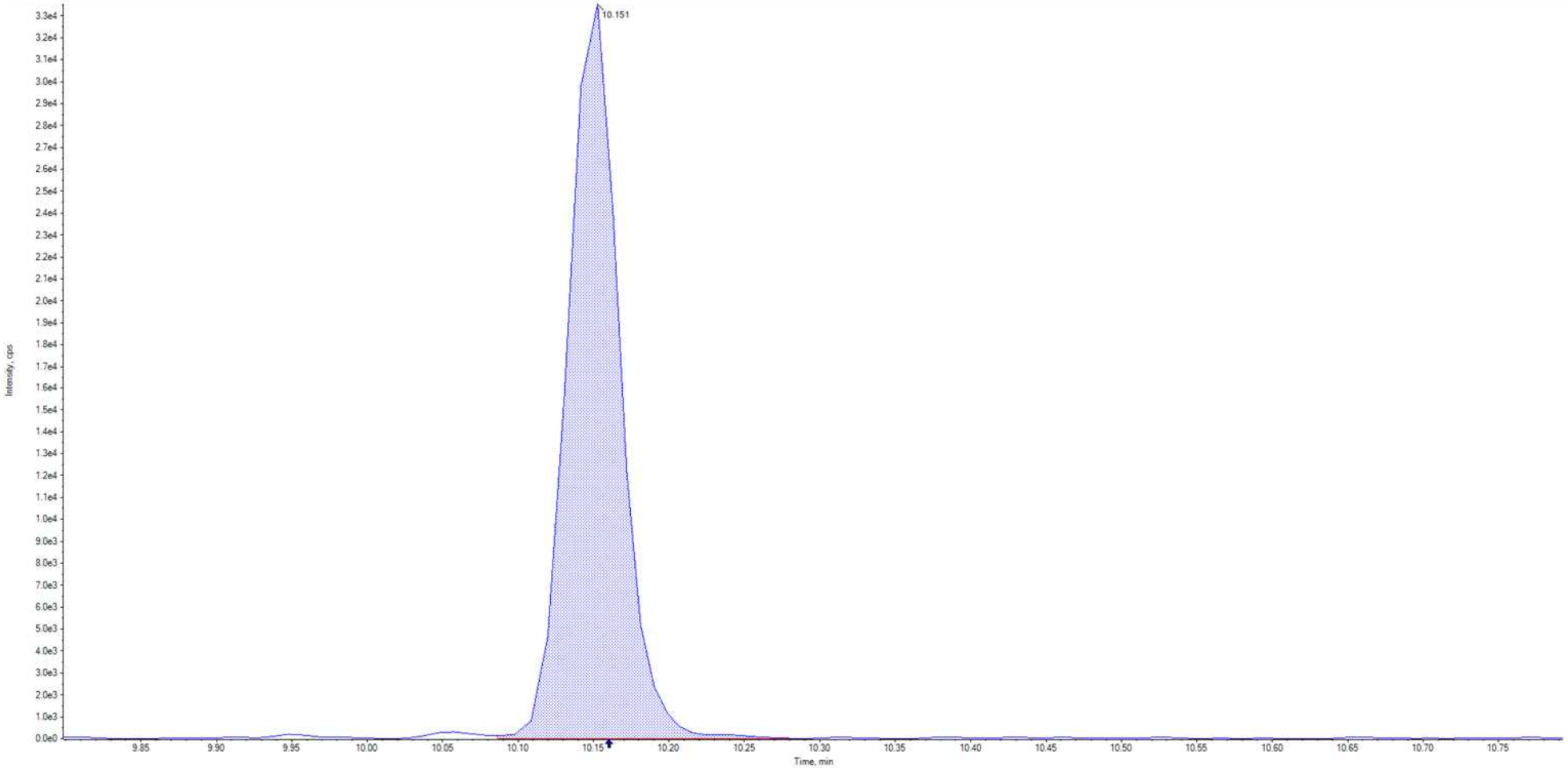
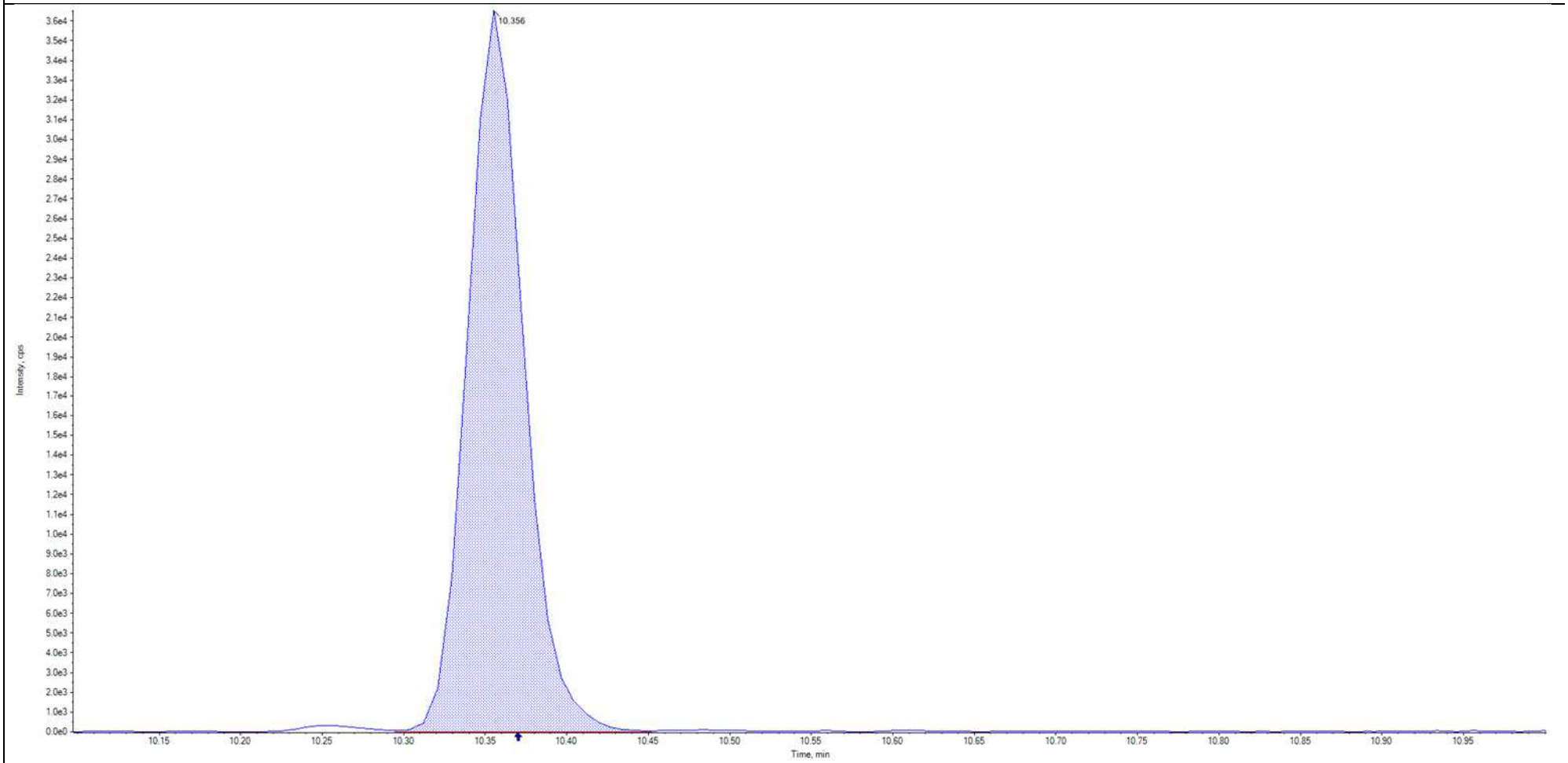
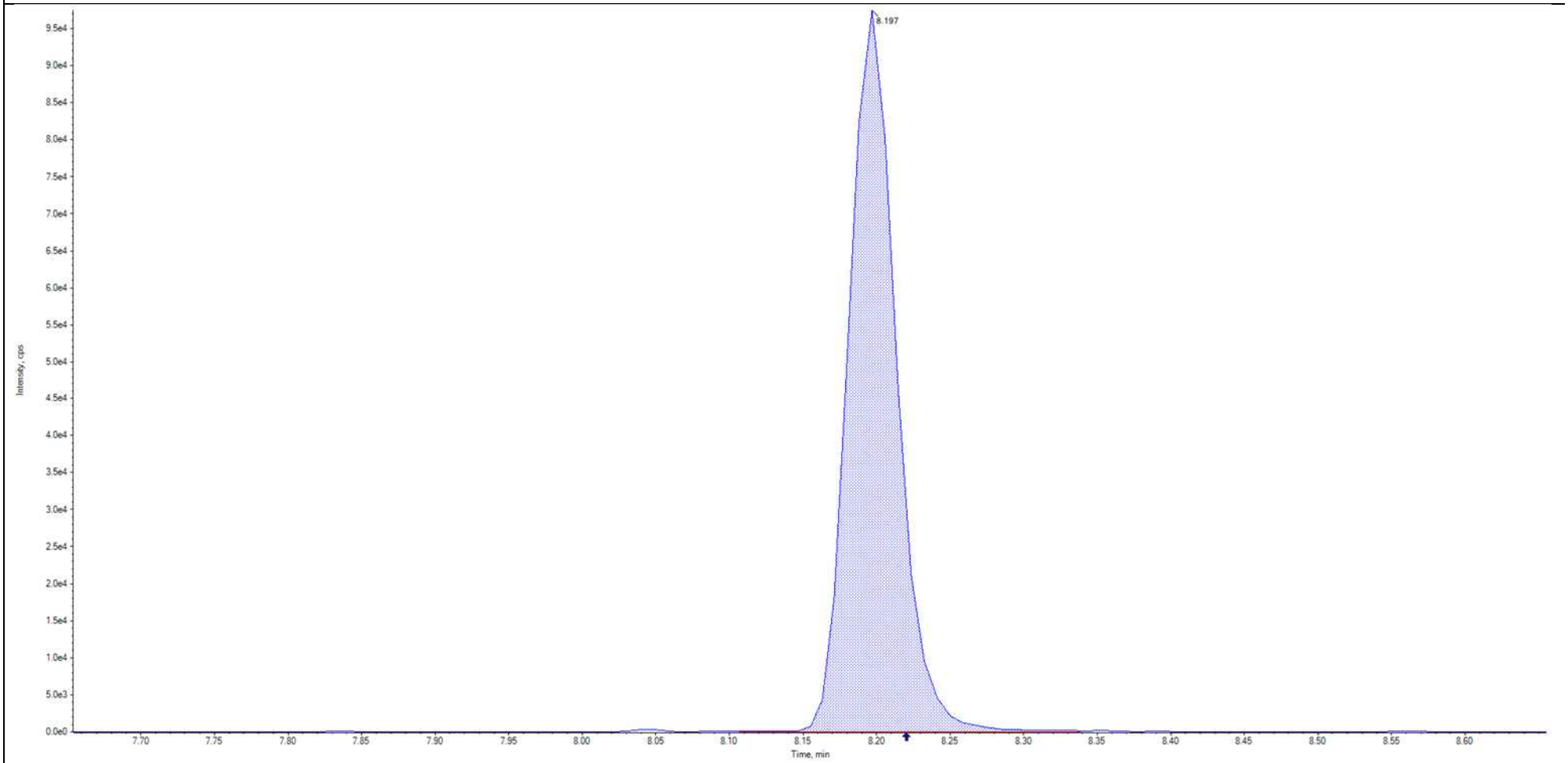


d5-NEtFOSA
Sample: L2447890-03



d3-NMeFOSAA
Sample: L2447890-03



d5-NEtFOSAA
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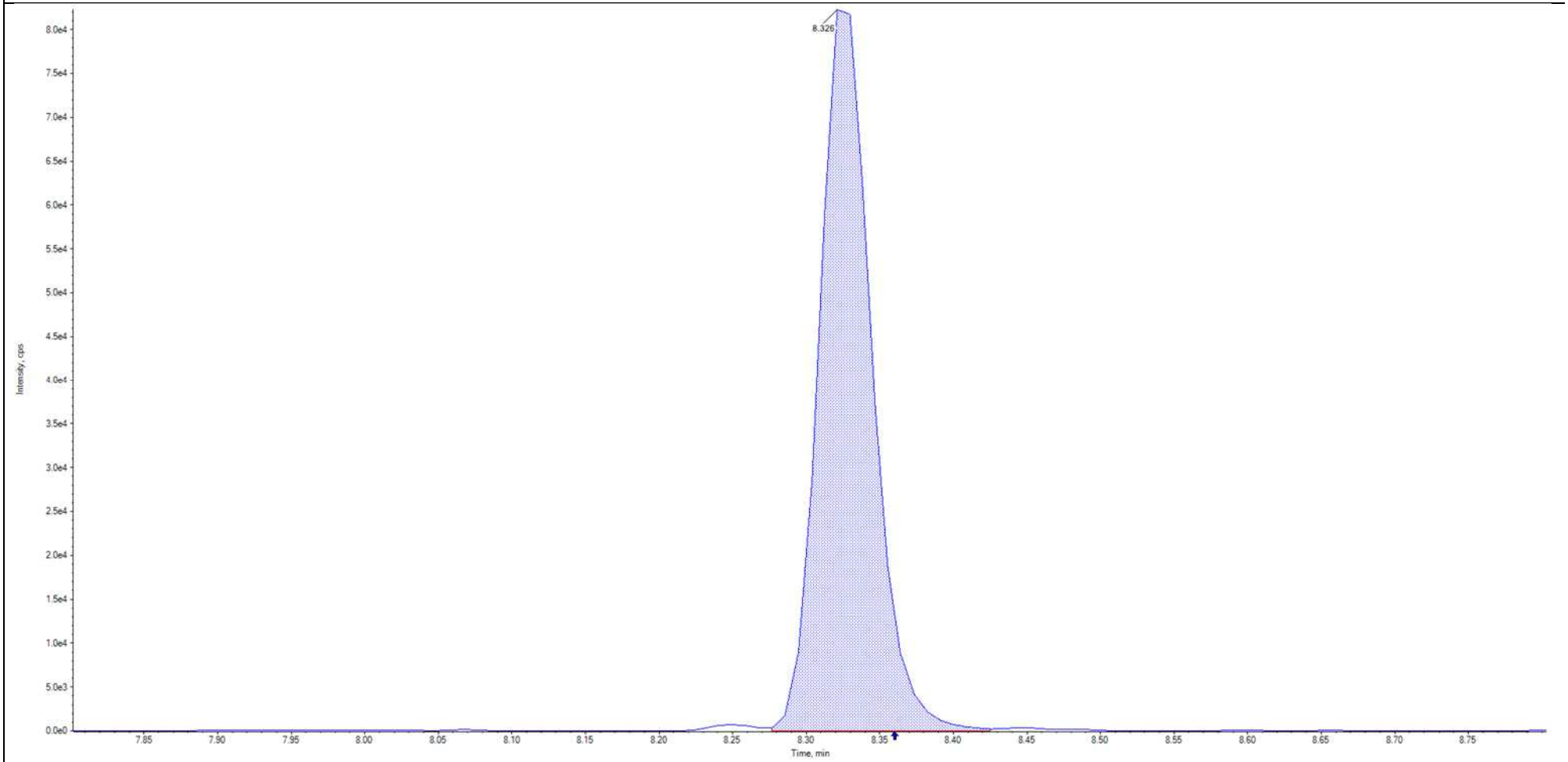
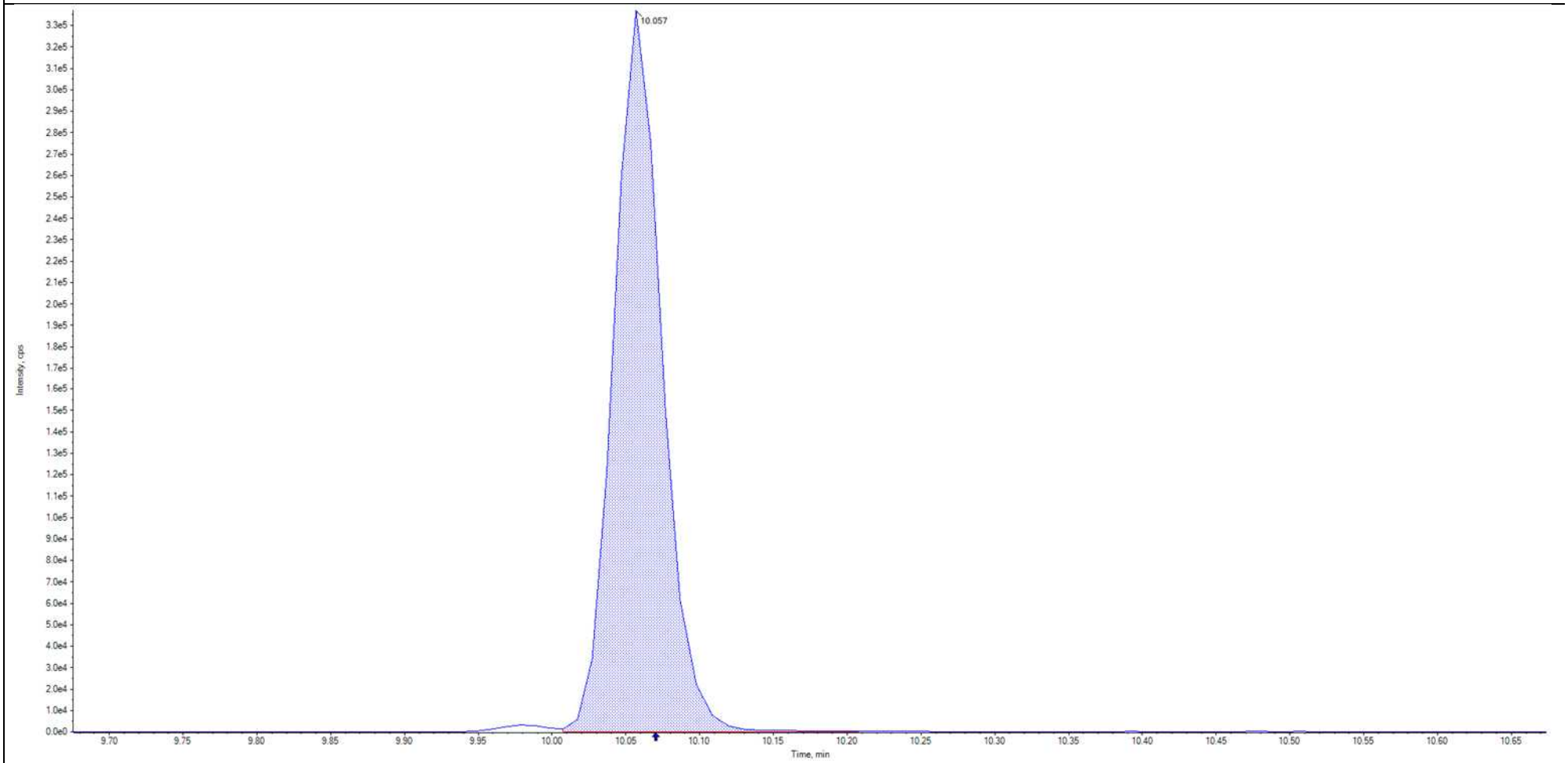
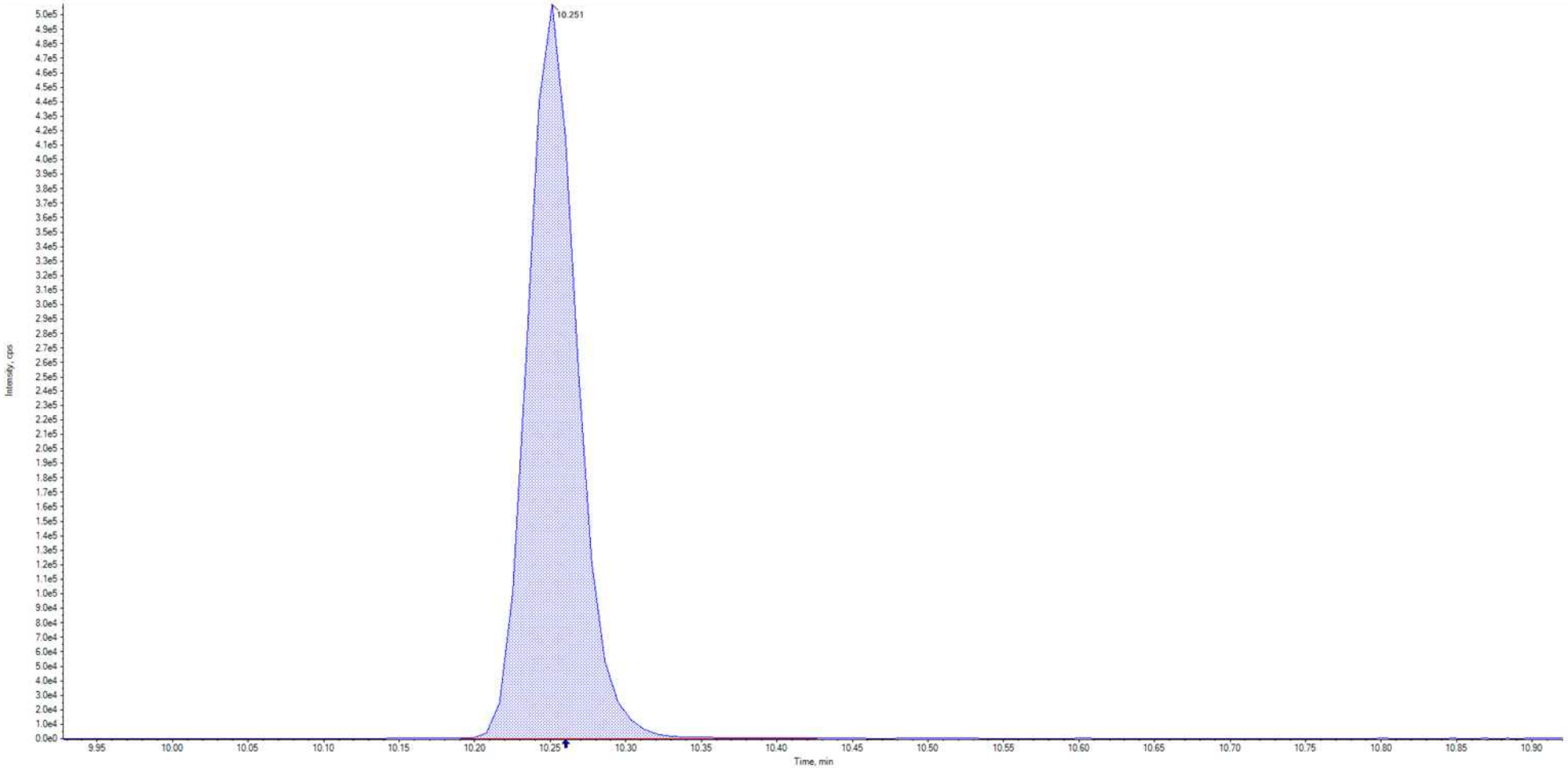


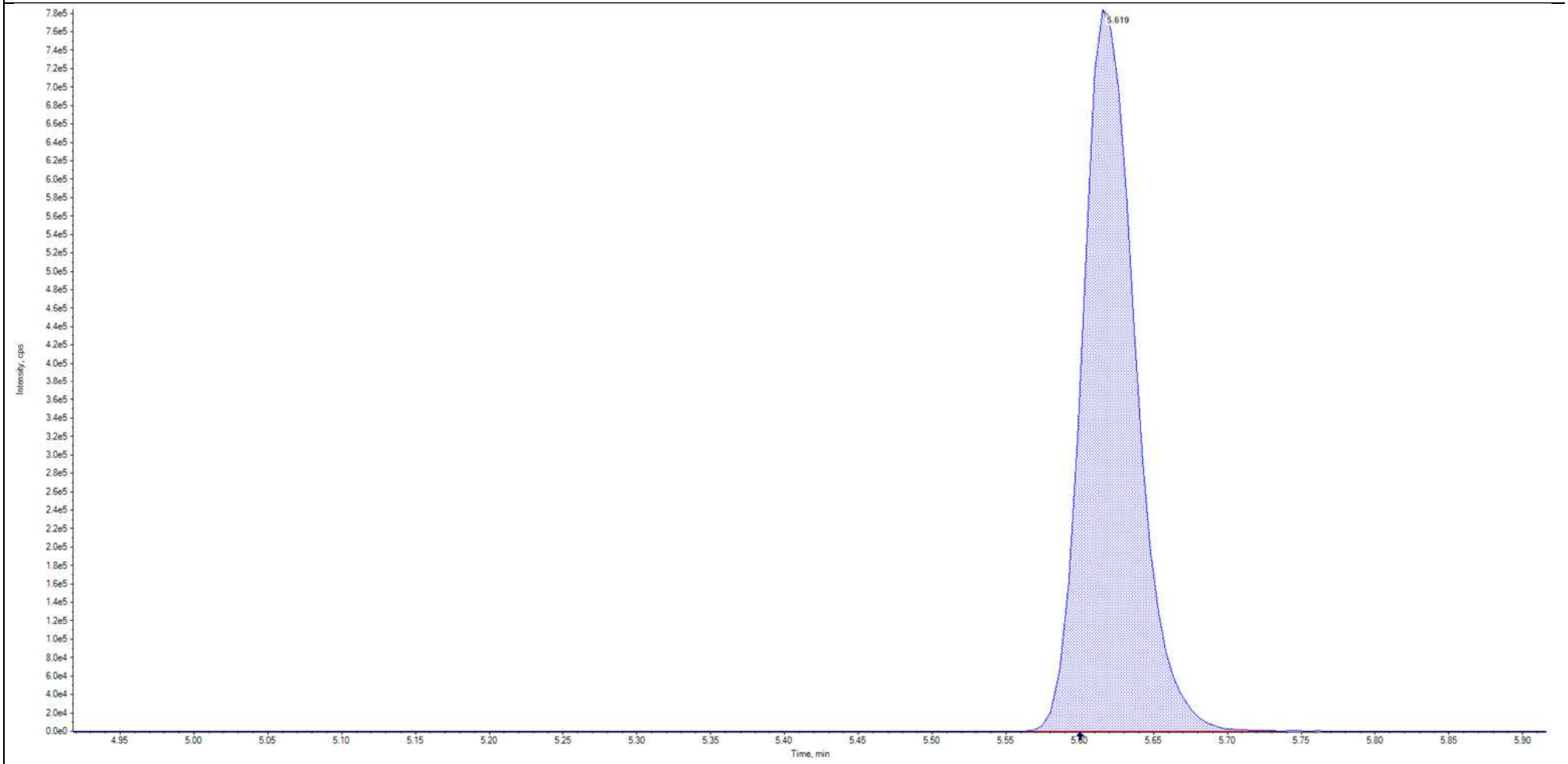
d7-NMeFOSE
Sample: L2447890-03



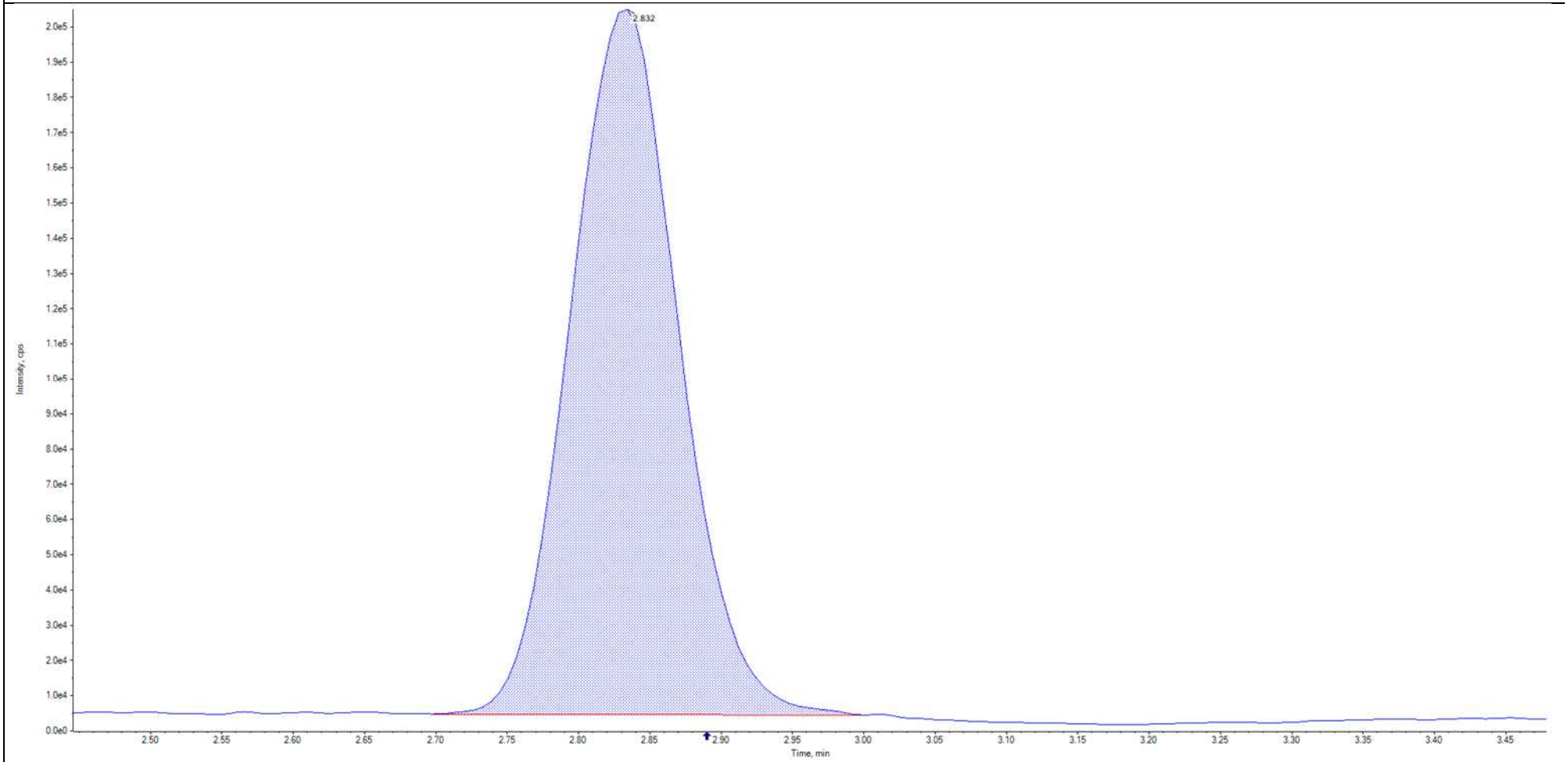
d9-NEtFOSE
Sample: L2447890-03



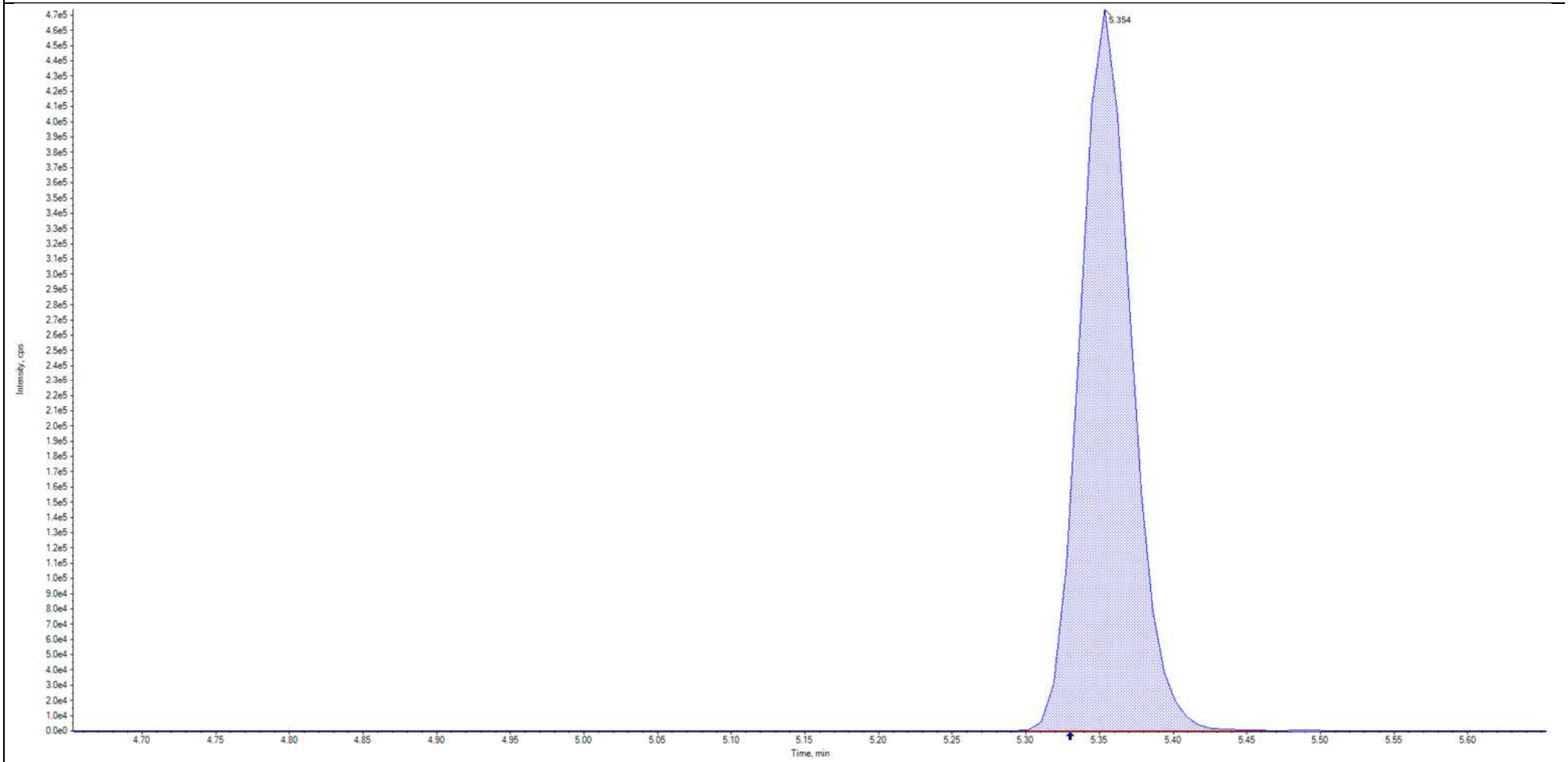
13C3-HFPO-DA
Sample: L2447890-03



13C3-PFBA
Sample: L2447890-03



13C2-PFHxA
Sample: L2447890-03



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C4-PFOA
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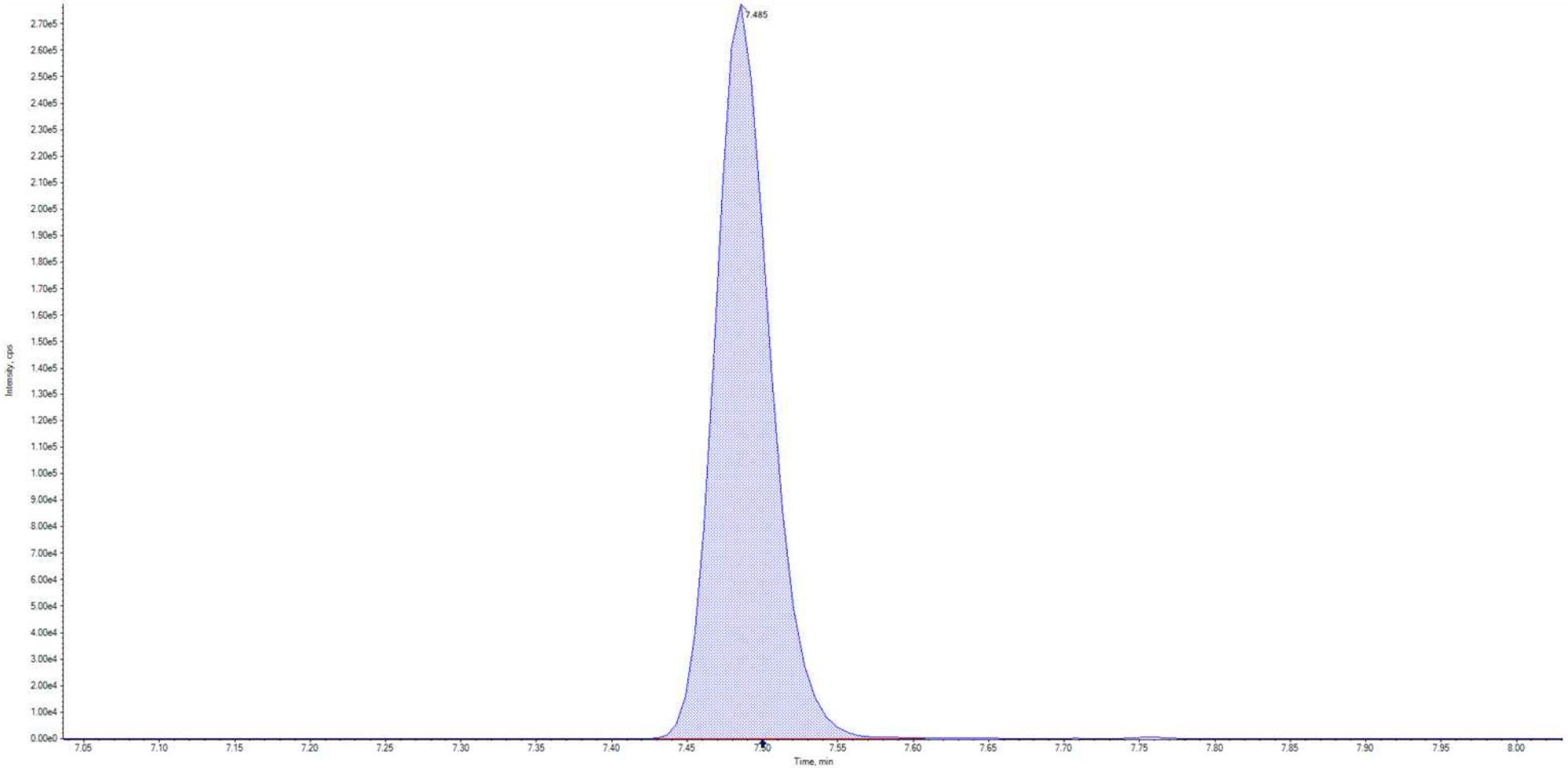

13C5-PFNA
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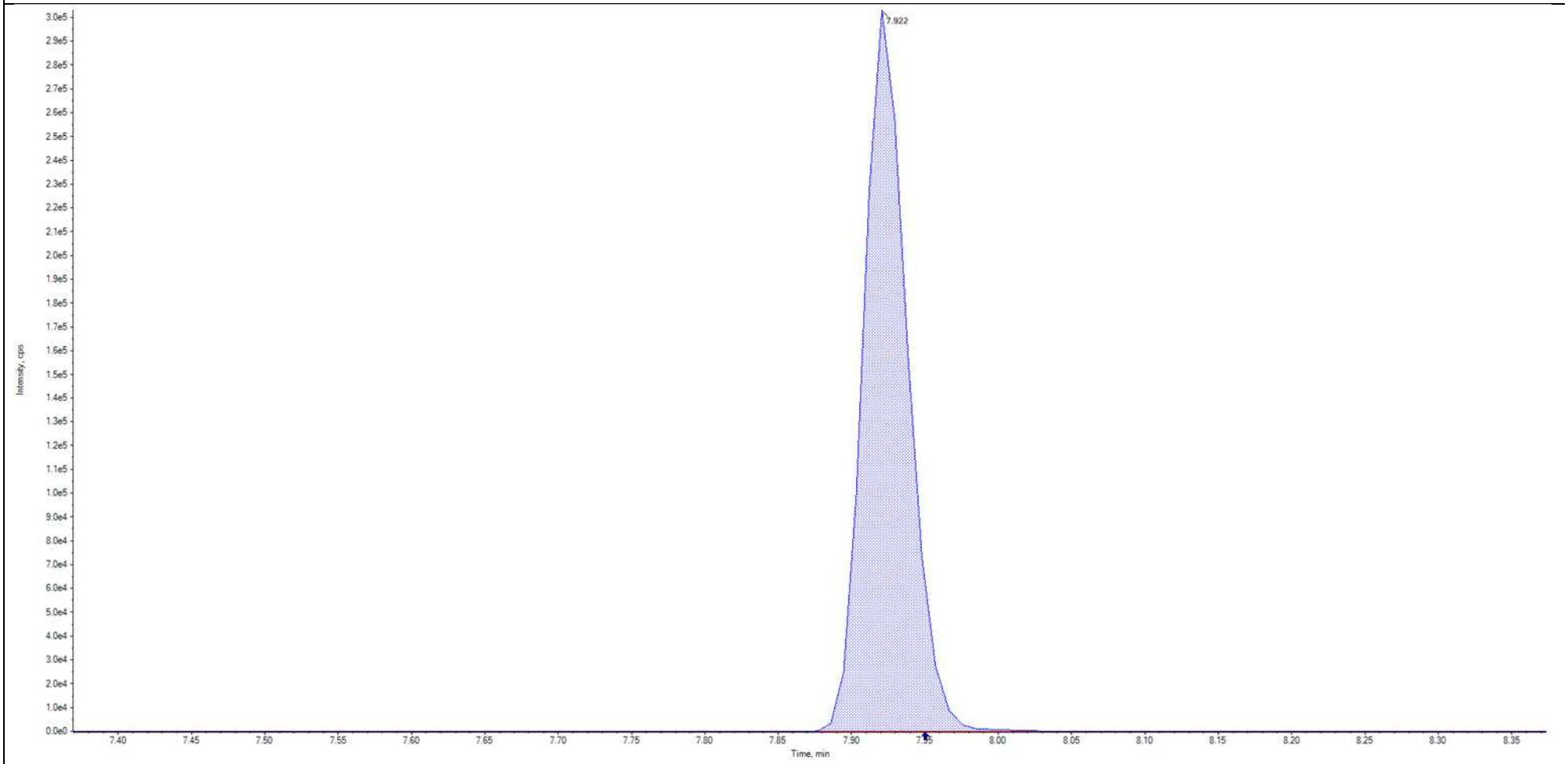
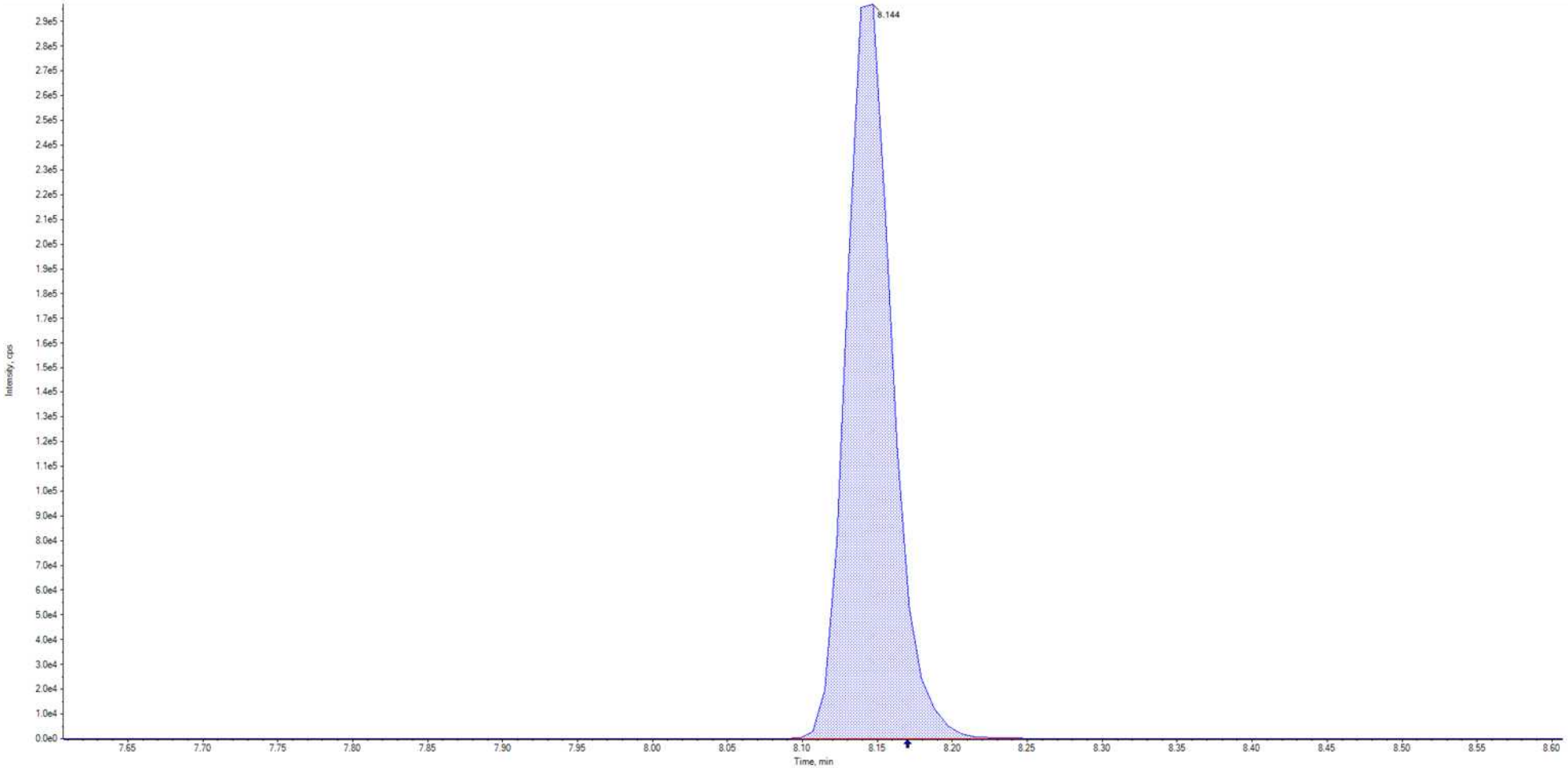


13C2-PFDA
Sample: L2447890-03



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18O2-PFHxS
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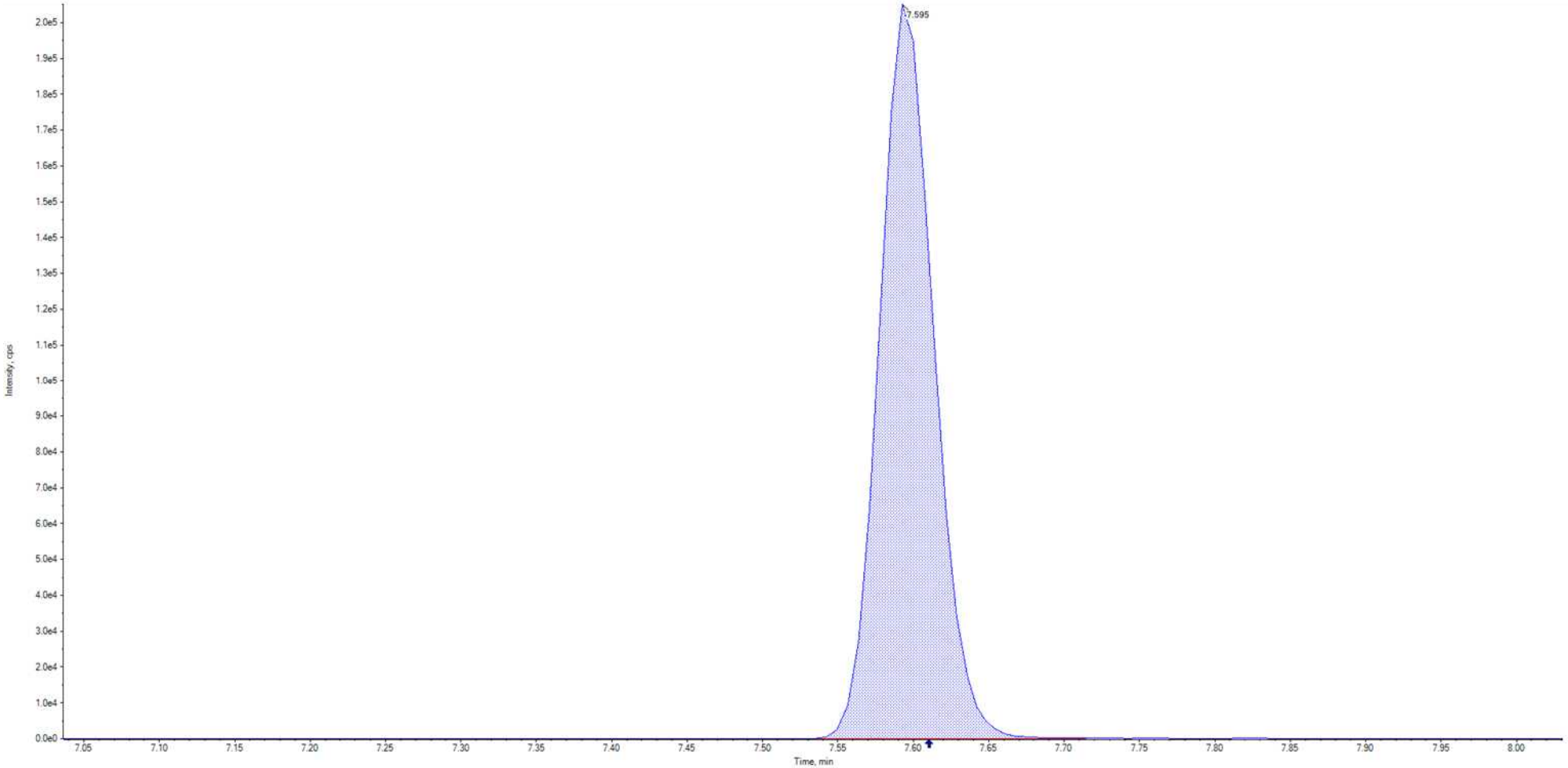

13C4-PFOS
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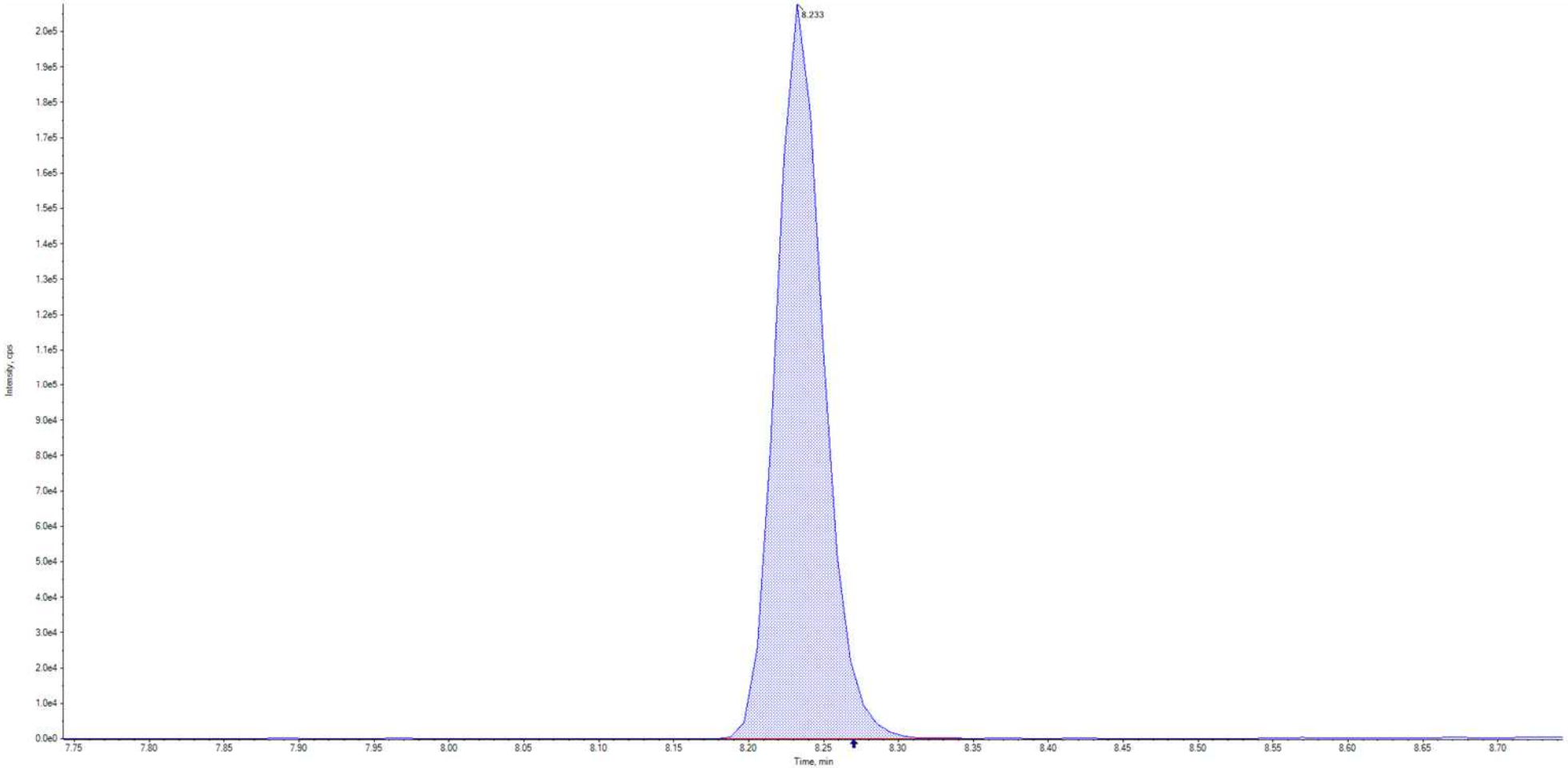

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Alpha Analytical Inc.
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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-11
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Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	172963		1.232	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	6.27	363.1 / 319.0	15913		0.051	0.242	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.26	363.1 / 169.0	3857	M7	0.041	0.242	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.49	413.1 / 369.1	87255	M5	0.414	0.512	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.49	413.1 / 169.0	44701	M7	0.388	0.512	0.586	Pass	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	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	8.20	441.1 / 316.9	6482	M2	0.095	1.603	1.558	Pass	N/A
69	7:3FTCA_2	812-70-4	8.20	441.1 / 337.1	10392		0.105	1.603	1.558	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.83	217.0 / 172.0	1730751		7.888	NA	NA	NA	78.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.66	268.0 / 223.0	1165528		4.539	NA	NA	NA	90.8
	13C5-PFHxA	EIS	5.34	318.0 / 273.0	695302		2.061	NA	NA	NA	82.5
	13C4-PFHpA	EIS	6.26	367.0 / 322.0	663526		1.965	NA	NA	NA	78.6
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1011574		2.070	NA	NA	NA	82.8
	13C9-PFNA	EIS	7.92	472.0 / 427.0	444439		0.895	NA	NA	NA	71.6
	13C6-PFDA	EIS	8.15	519.0 / 474.0	430820		0.943	NA	NA	NA	75.4
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	344128		0.931	NA	NA	NA	74.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	286469		1.191	NA	NA	NA	95.3
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	219780		0.842	NA	NA	NA	67.3
	13C3-PFBS	EIS	5.32	302.1 / 80.1	556551		1.956	NA	NA	NA	84.0
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	414874		1.836	NA	NA	NA	77.5
	13C8-PFOS	EIS	8.24	507.1 / 80.1	399346		1.682	NA	NA	NA	70.2
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	191736		3.777	NA	NA	NA	80.5
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	123165		3.310	NA	NA	NA	69.6
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	181915		3.341	NA	NA	NA	69.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.52	506.1 / 78.1	563160		1.784	NA	NA	NA	71.4
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	87131		1.640	NA	NA	NA	65.6
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	87390		1.684	NA	NA	NA	67.3
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	232577		1.936	NA	NA	NA	38.7
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	205260		3.251	NA	NA	NA	65.0
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	735276		17.919	NA	NA	NA	71.7
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1180343		19.510	NA	NA	NA	78.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	1870407		8.368	NA	NA	NA	83.7
	13C3-PFBA	NIS	2.83	216.0 / 172.0	959772		4.489	NA	NA	NA	89.8
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1001452		2.045	NA	NA	NA	81.8
	13C4-PFOA	NIS	7.48	417.0 / 372.0	639155		2.042	NA	NA	NA	81.7
	13C5-PFNA	NIS	7.92	468.0 / 423.0	605213		1.105	NA	NA	NA	88.4
	13C2-PFDA	NIS	8.14	515.1 / 470.1	536750		1.047	NA	NA	NA	83.8
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	459258		1.960	NA	NA	NA	82.7
	13C4-PFOS	NIS	8.23	503.1 / 80.1	419981		1.995	NA	NA	NA	83.3

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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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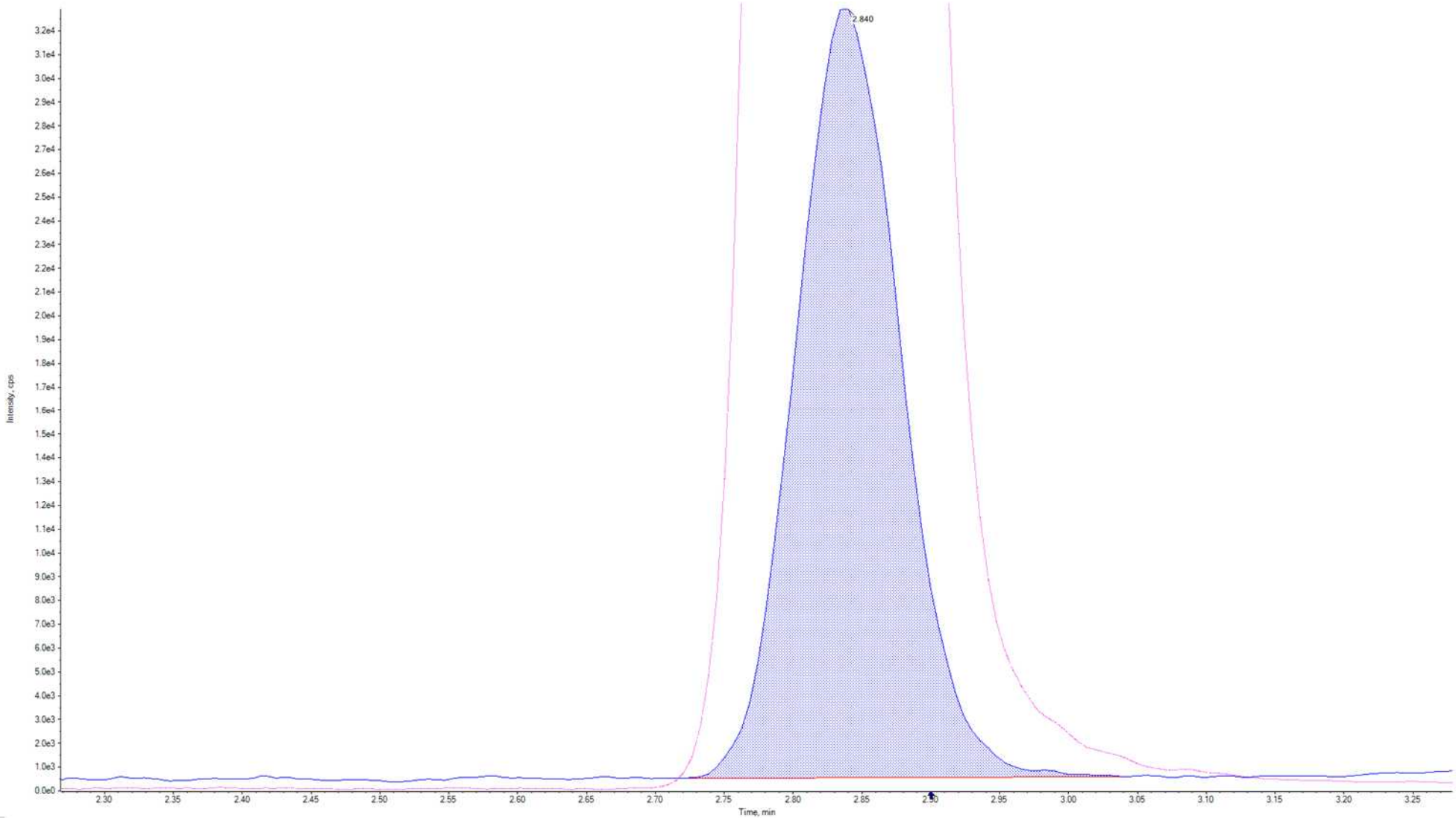

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PFPeA
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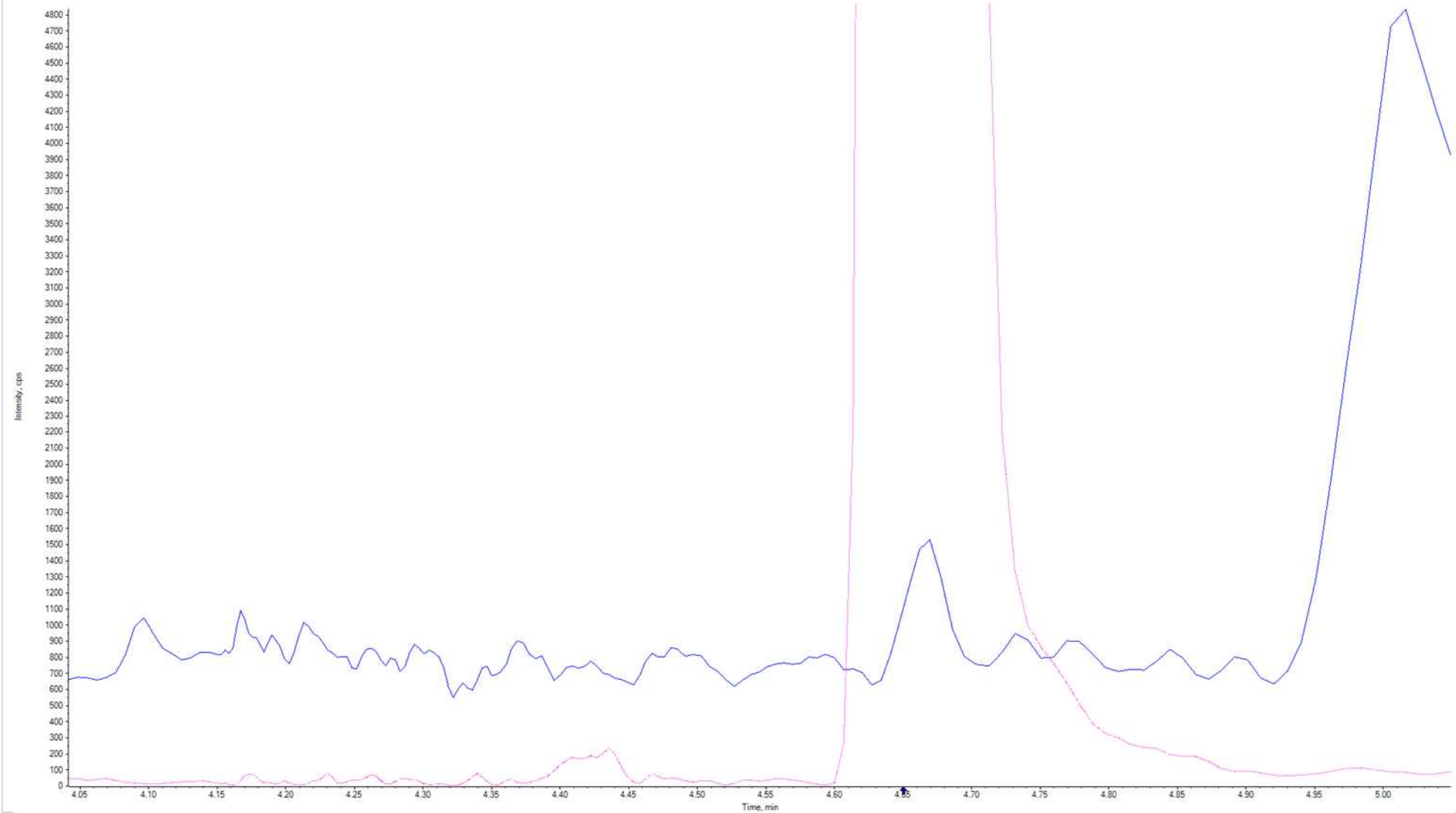

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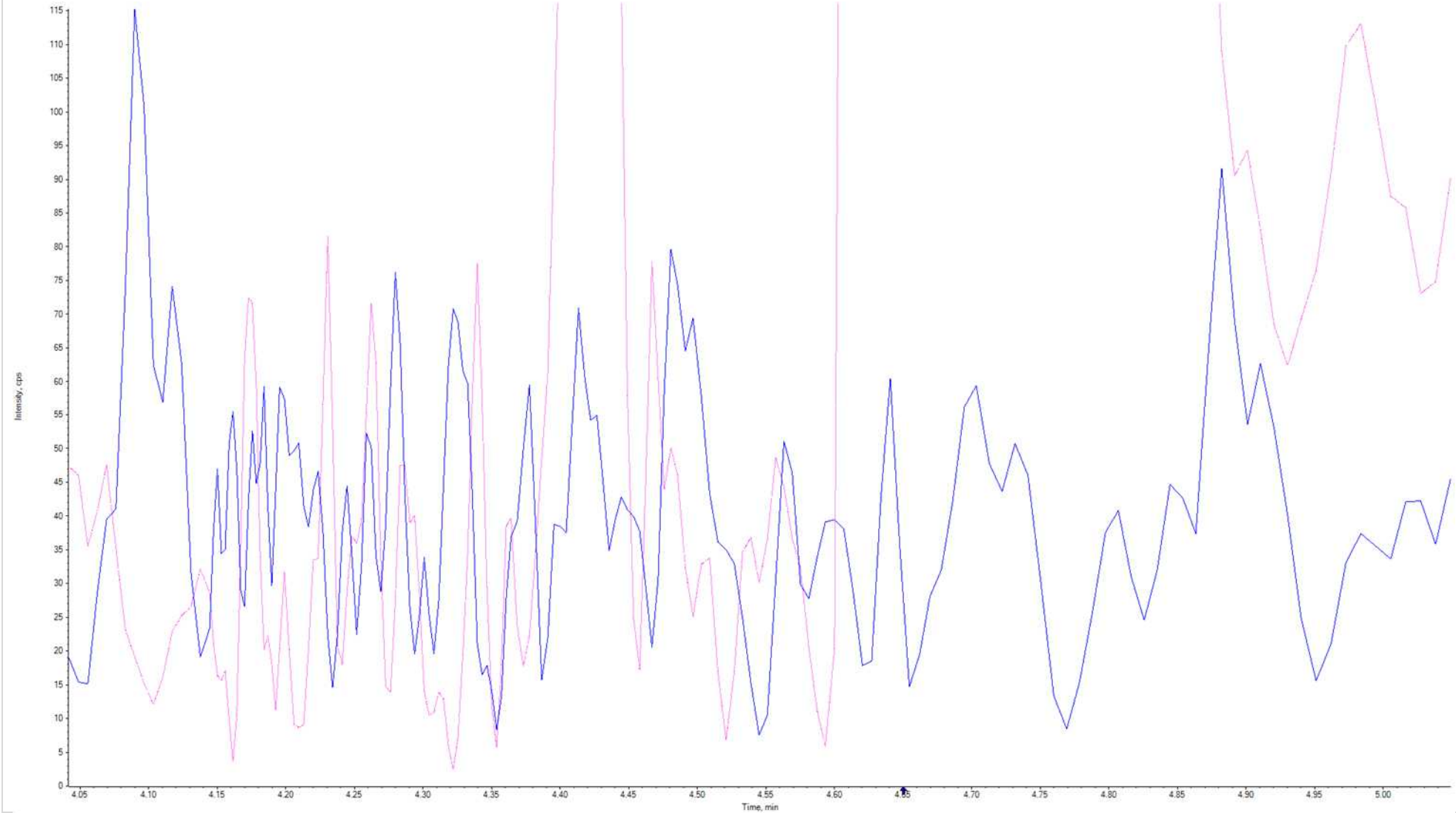
PFPeA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



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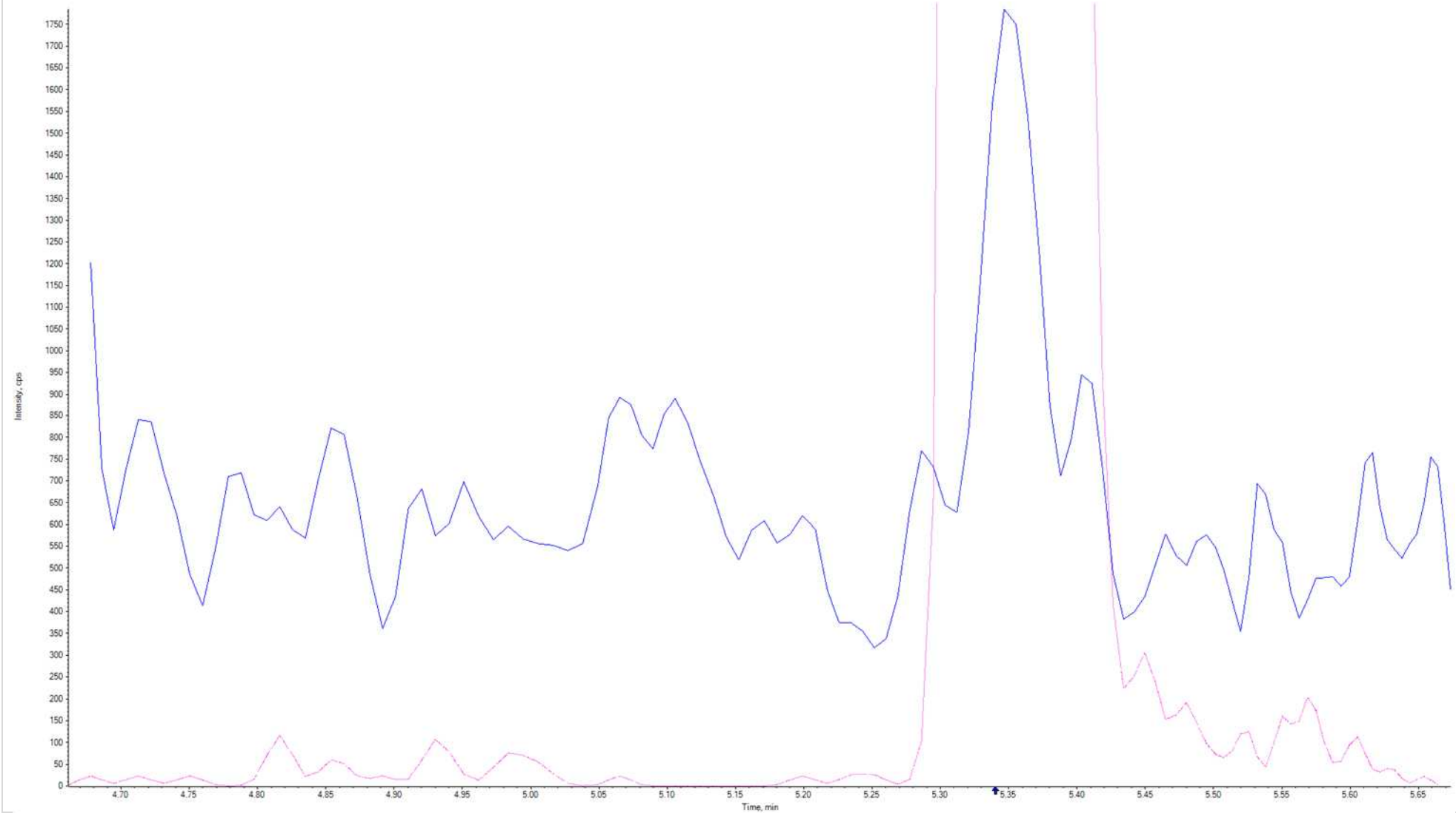
PFHxA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



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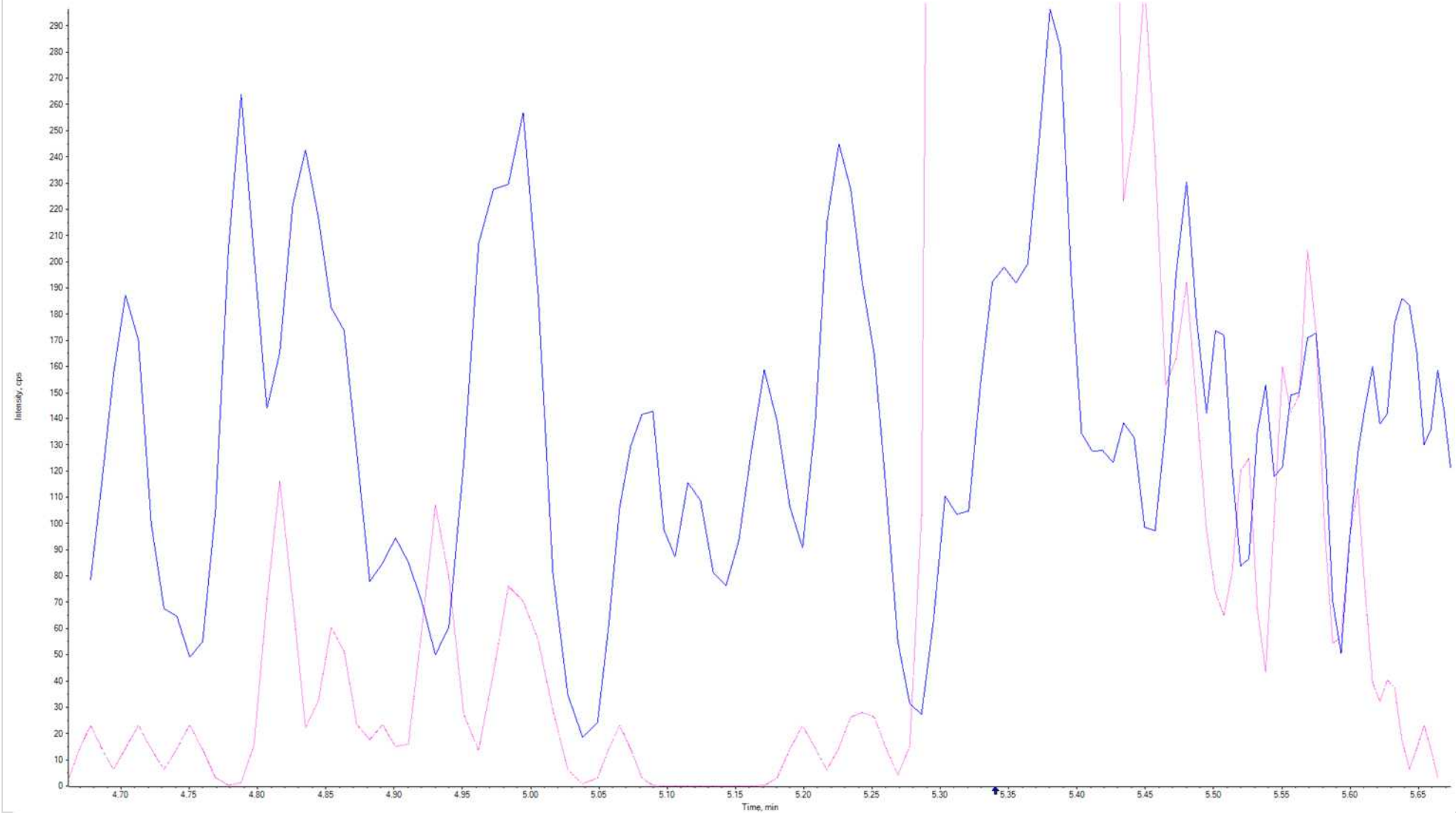
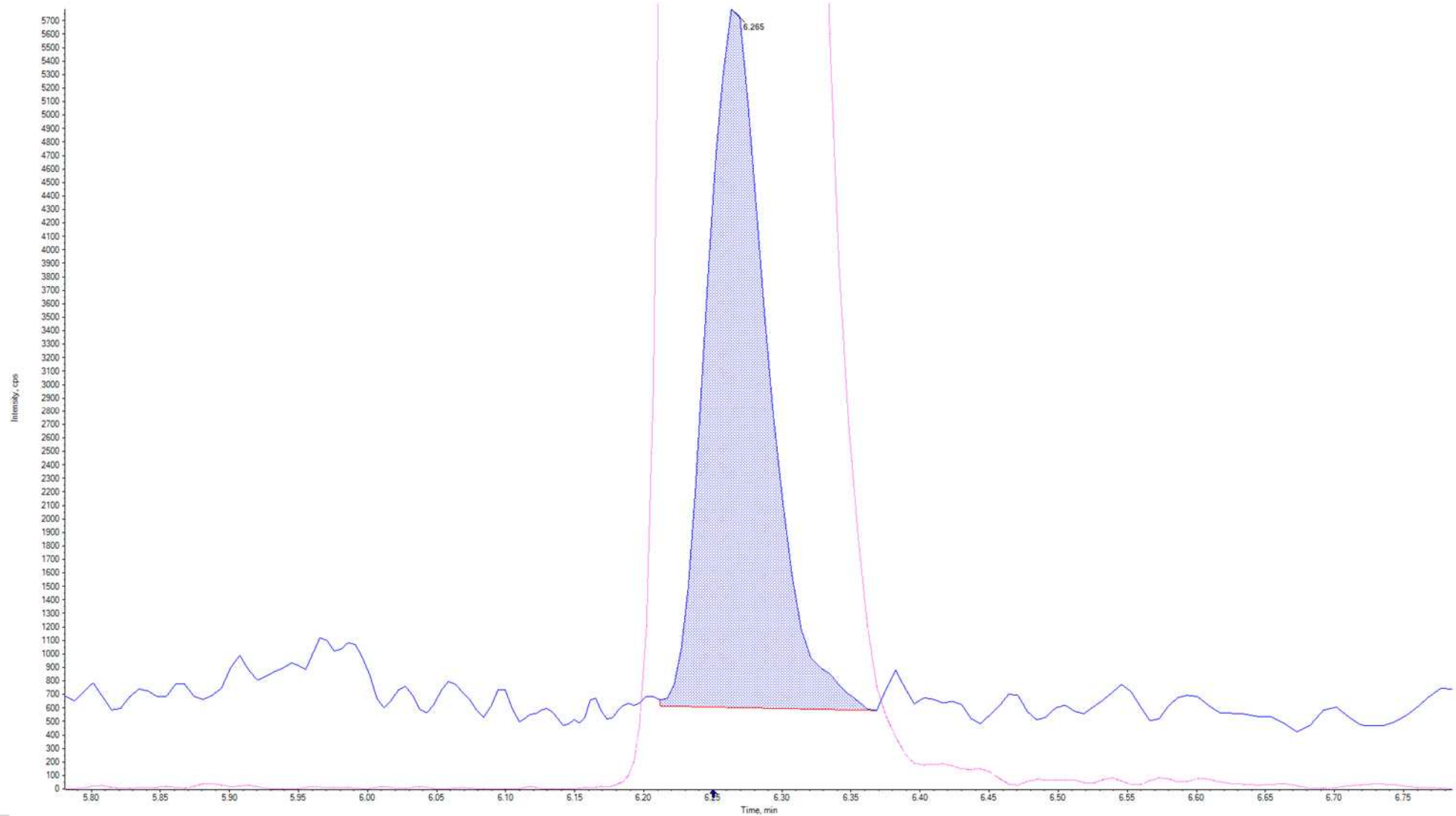
Generated: 9/18/2024 6:35:36 AM

PFHxA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



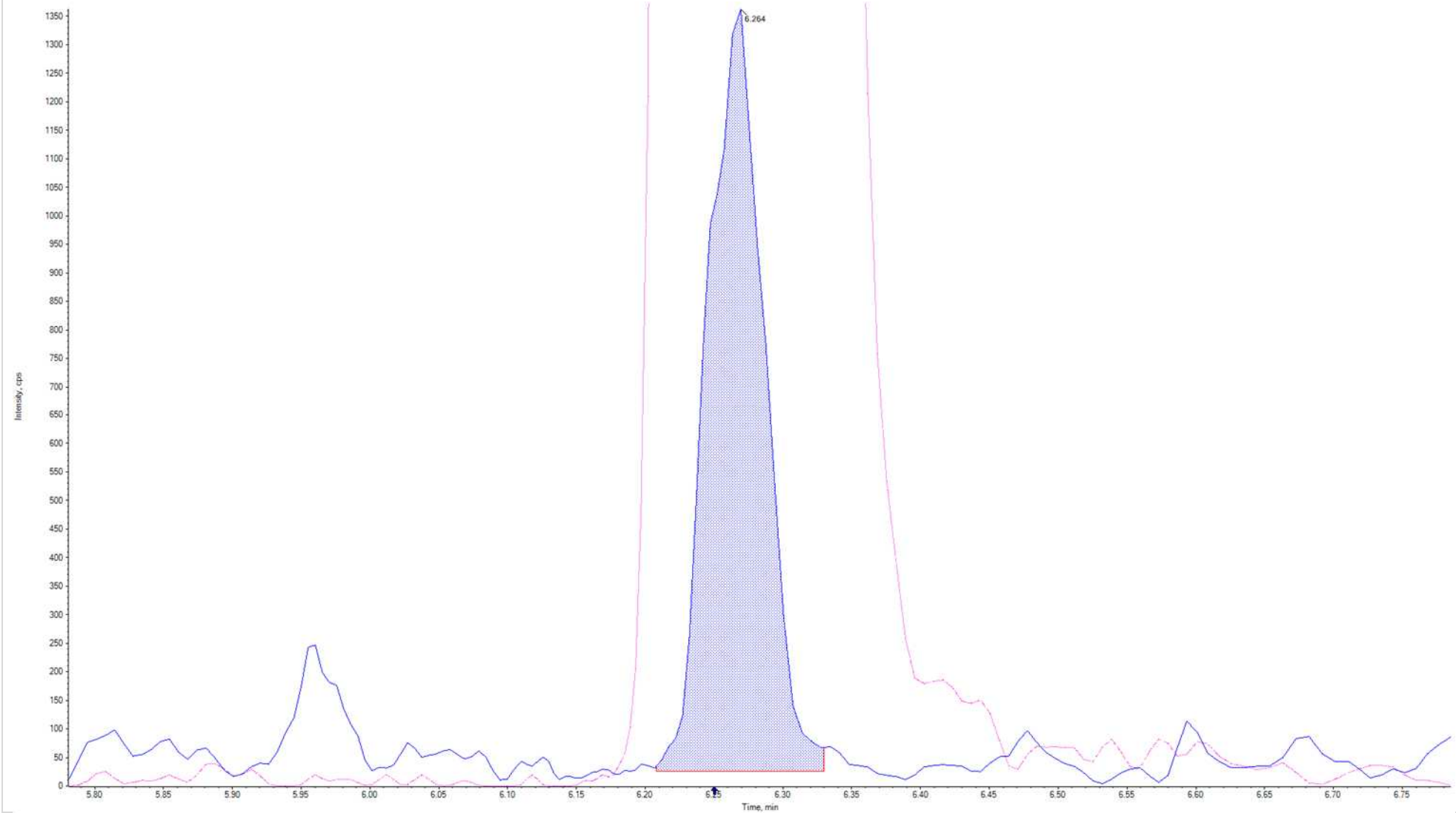
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA
Sample: L2447890-11 S/N:110.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA_2
Sample: L2447890-11 S/N:321.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
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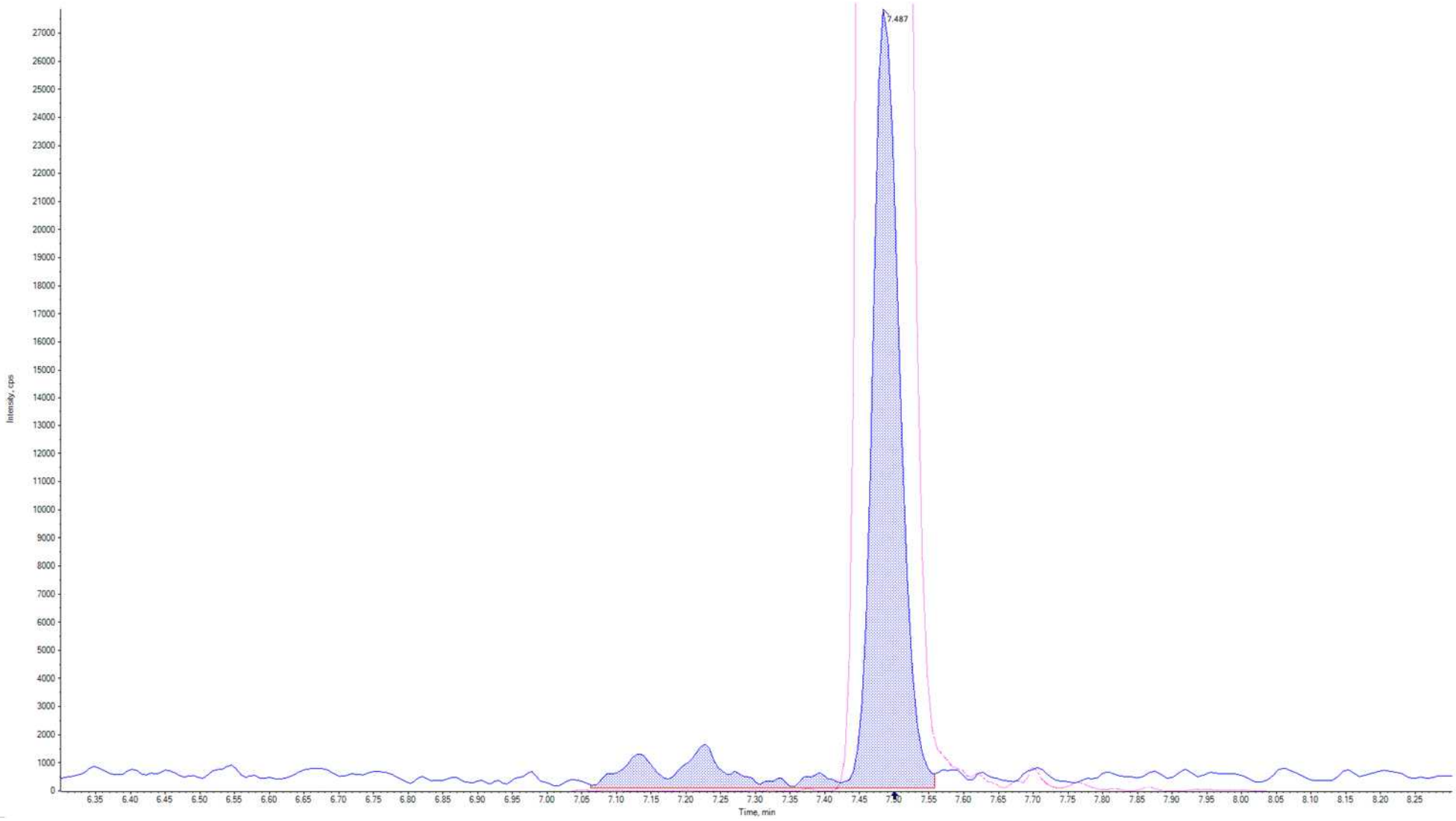
PFOA
Sample: L2447890-11 S/N:575.8 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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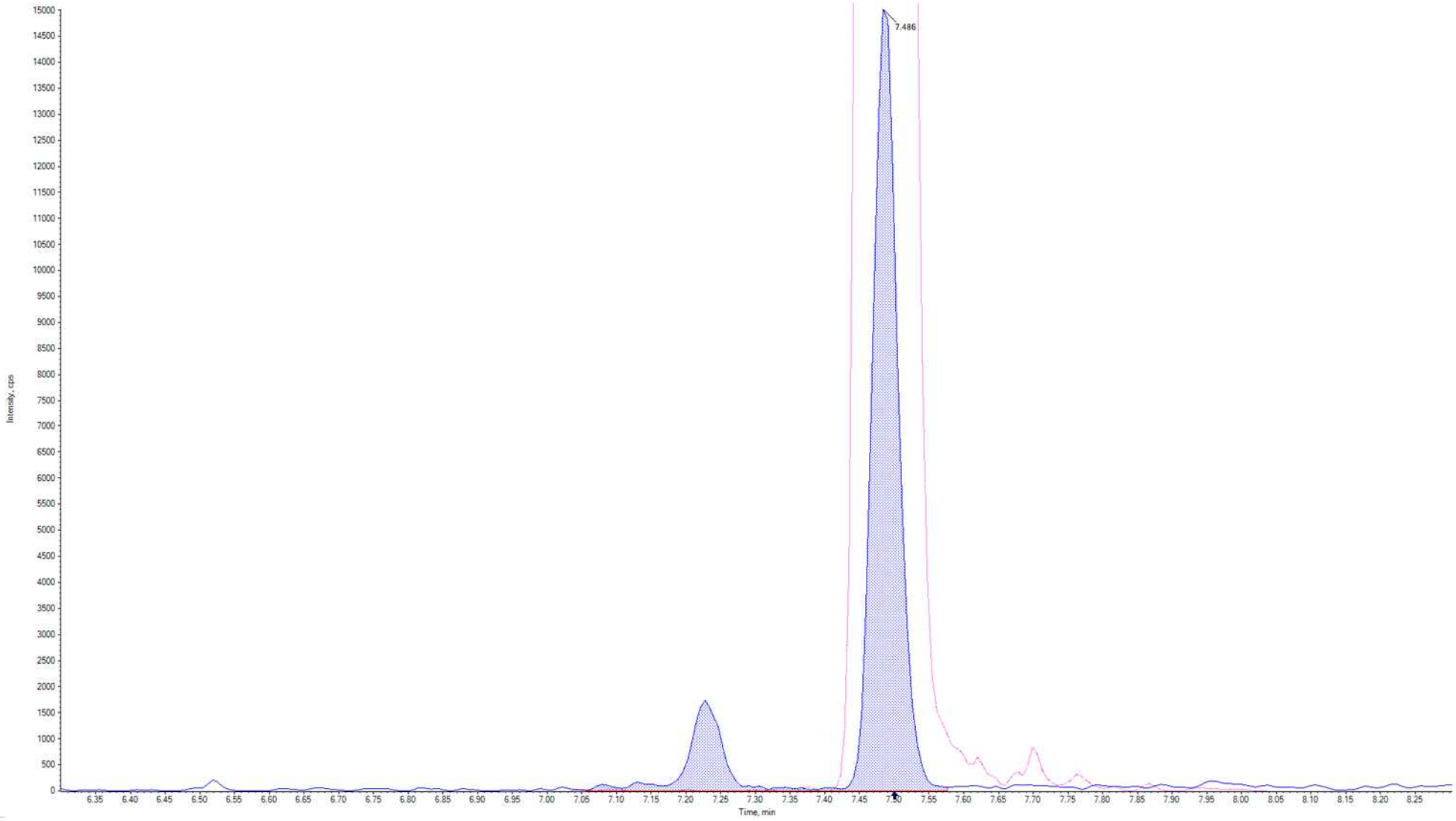
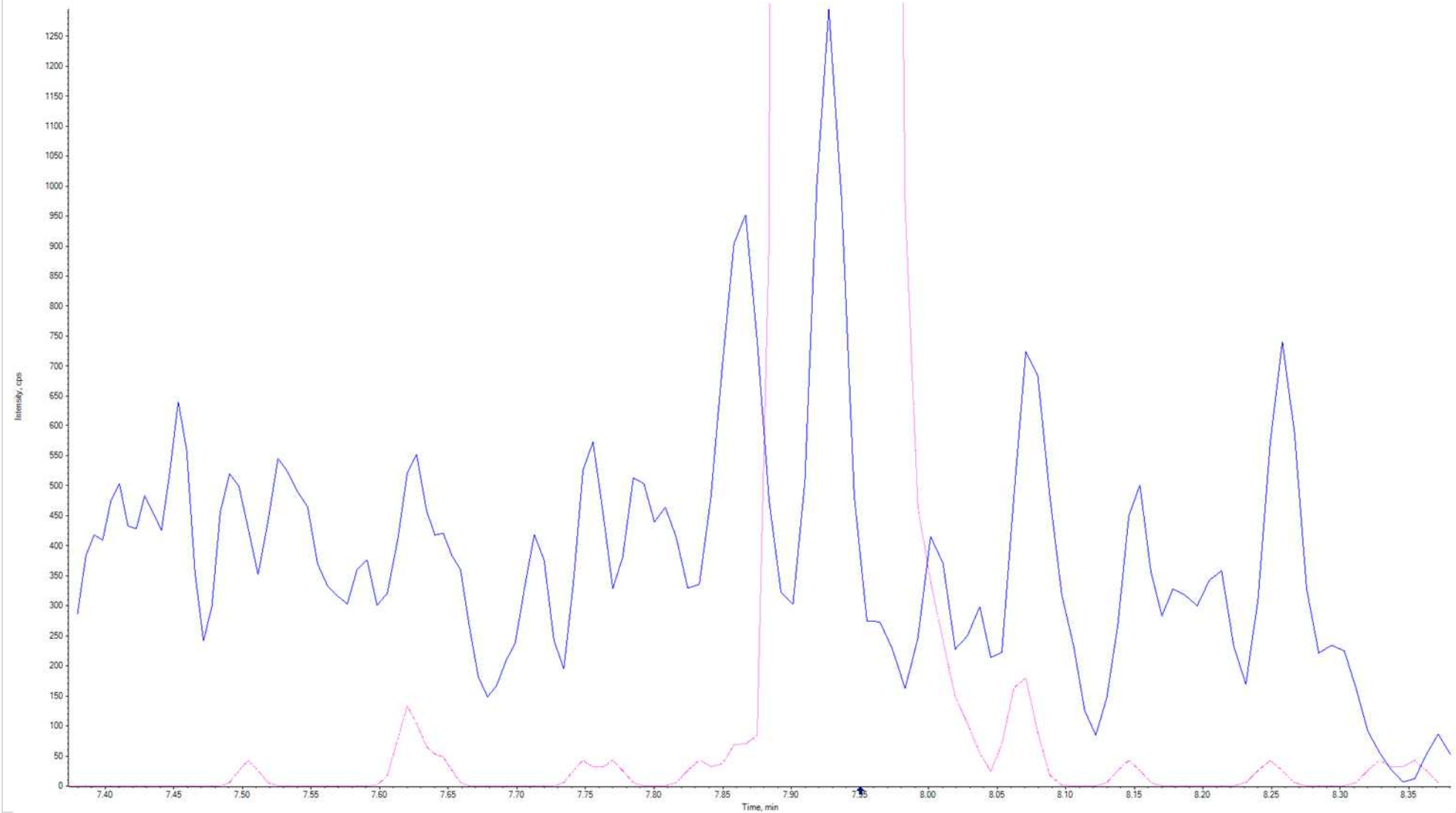
PFOA_2
Sample: L2447890-11 S/N:60015.5 Points Across peak:84



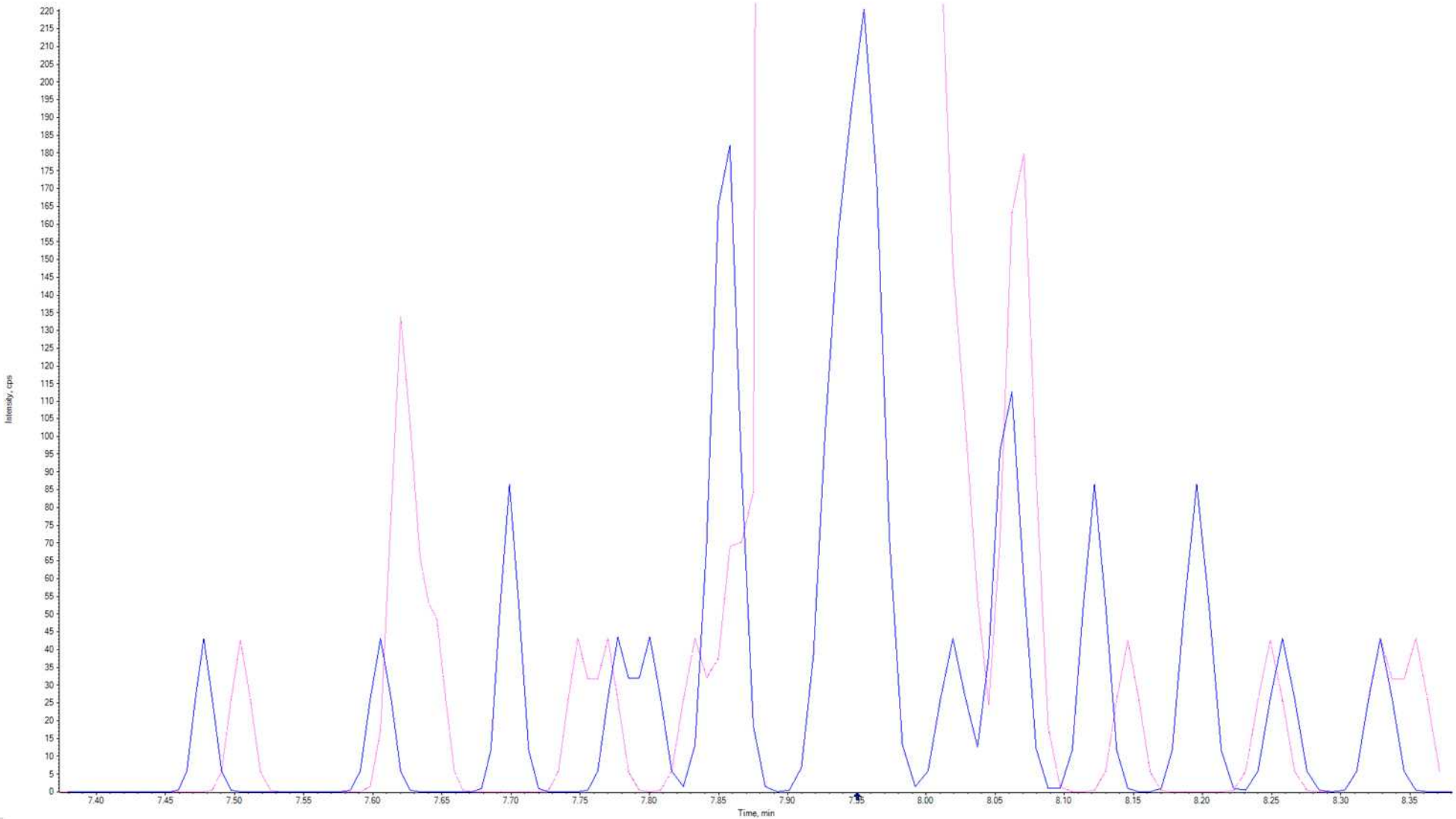
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



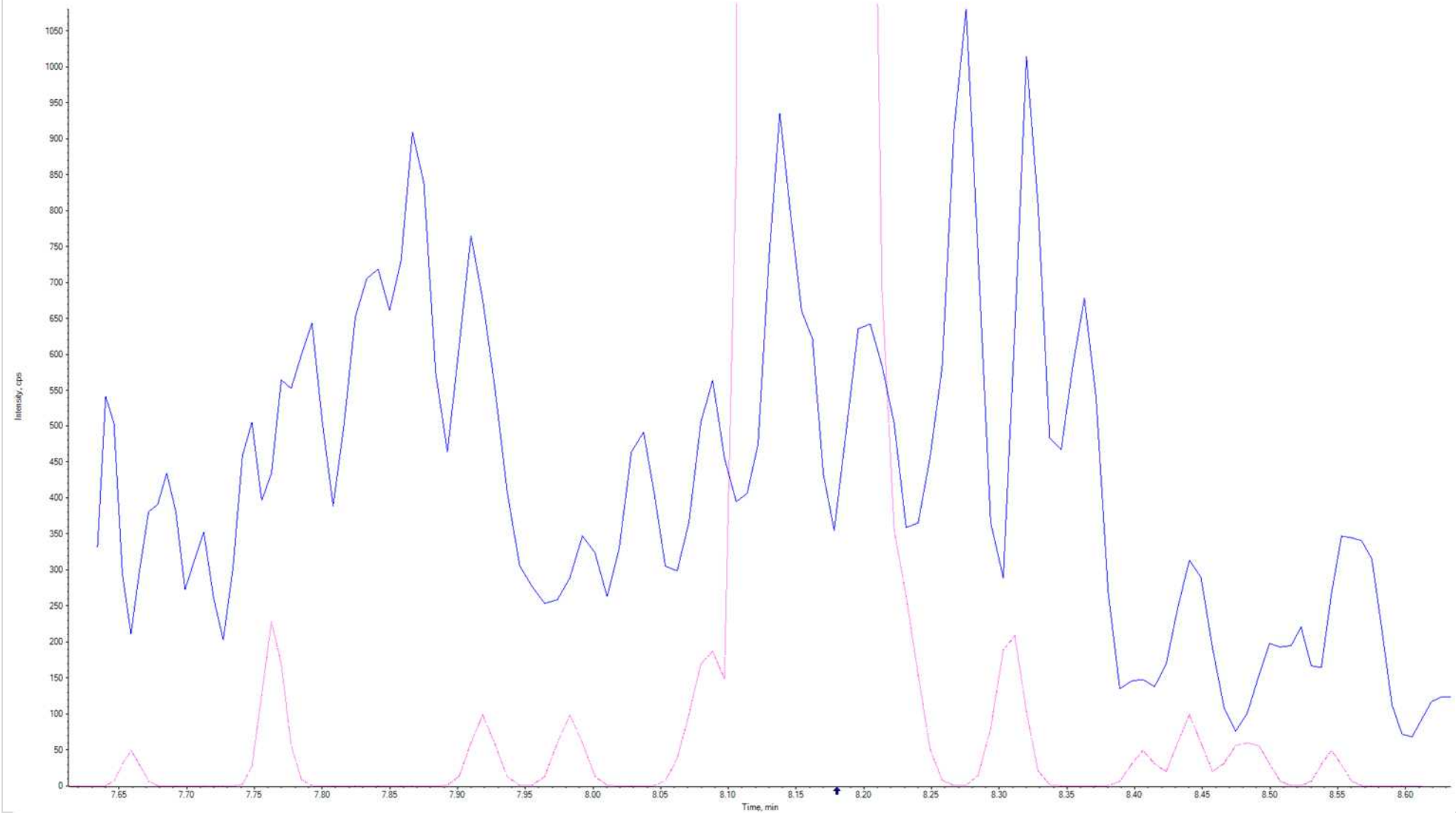
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



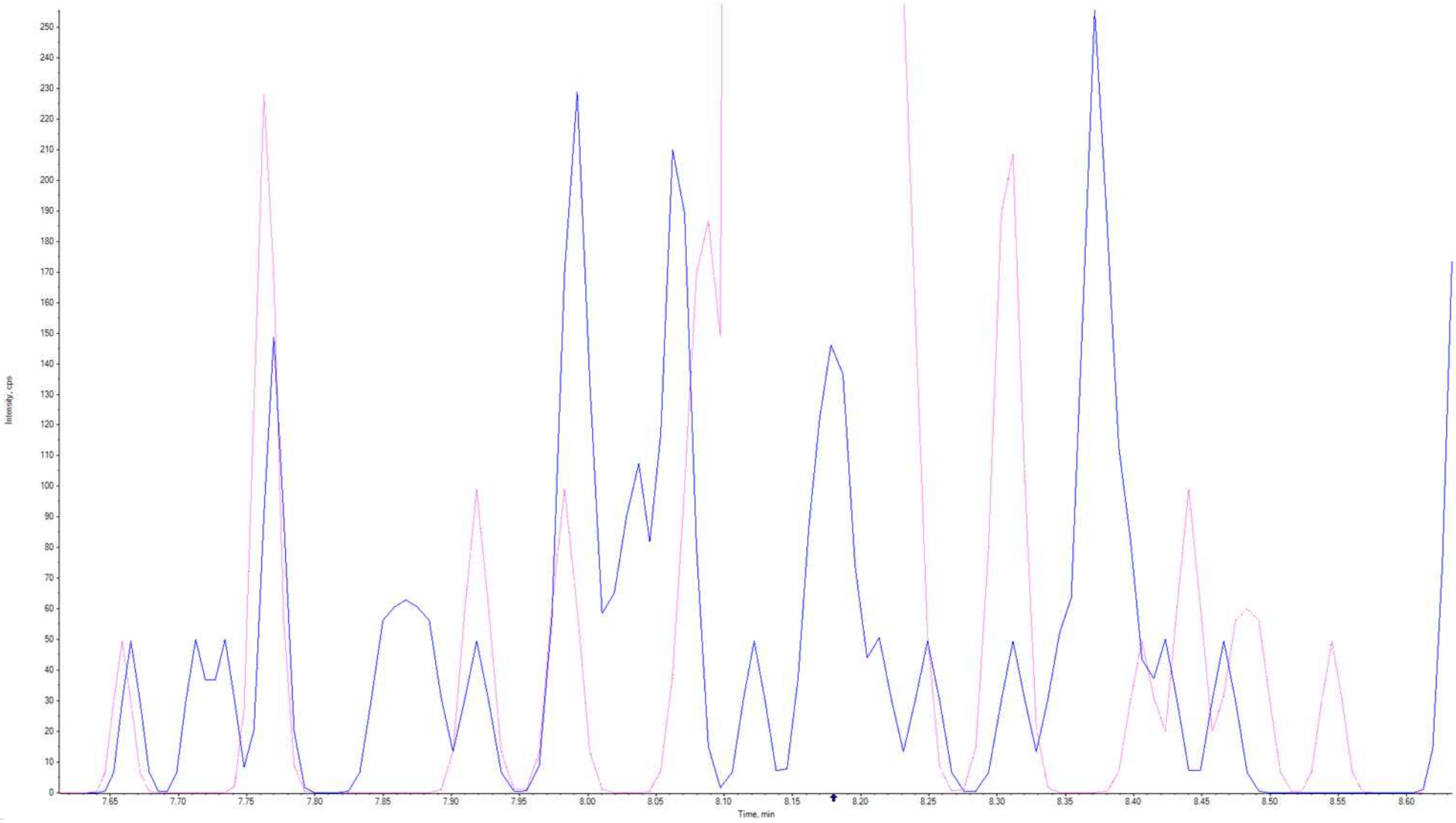
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



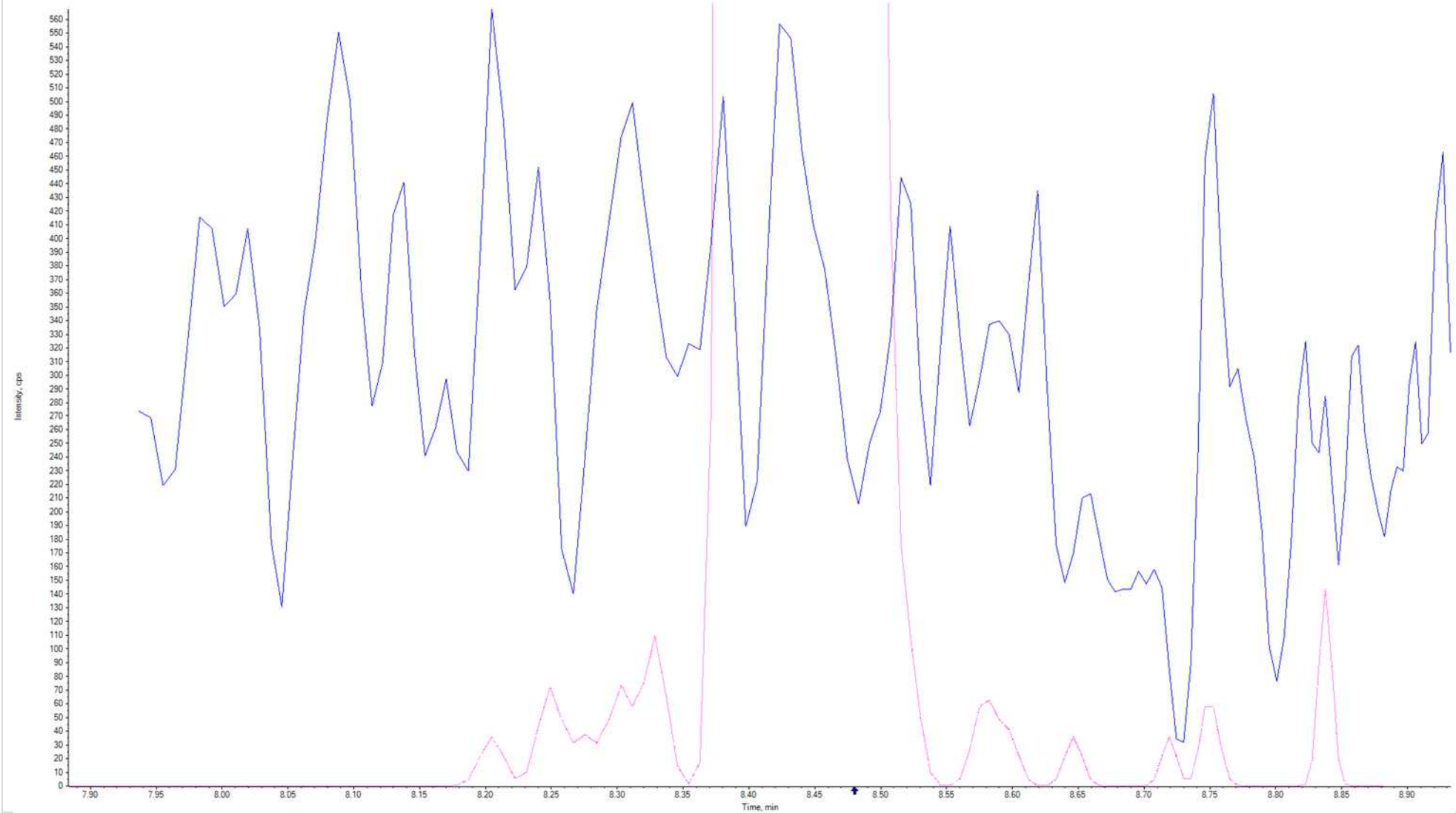
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



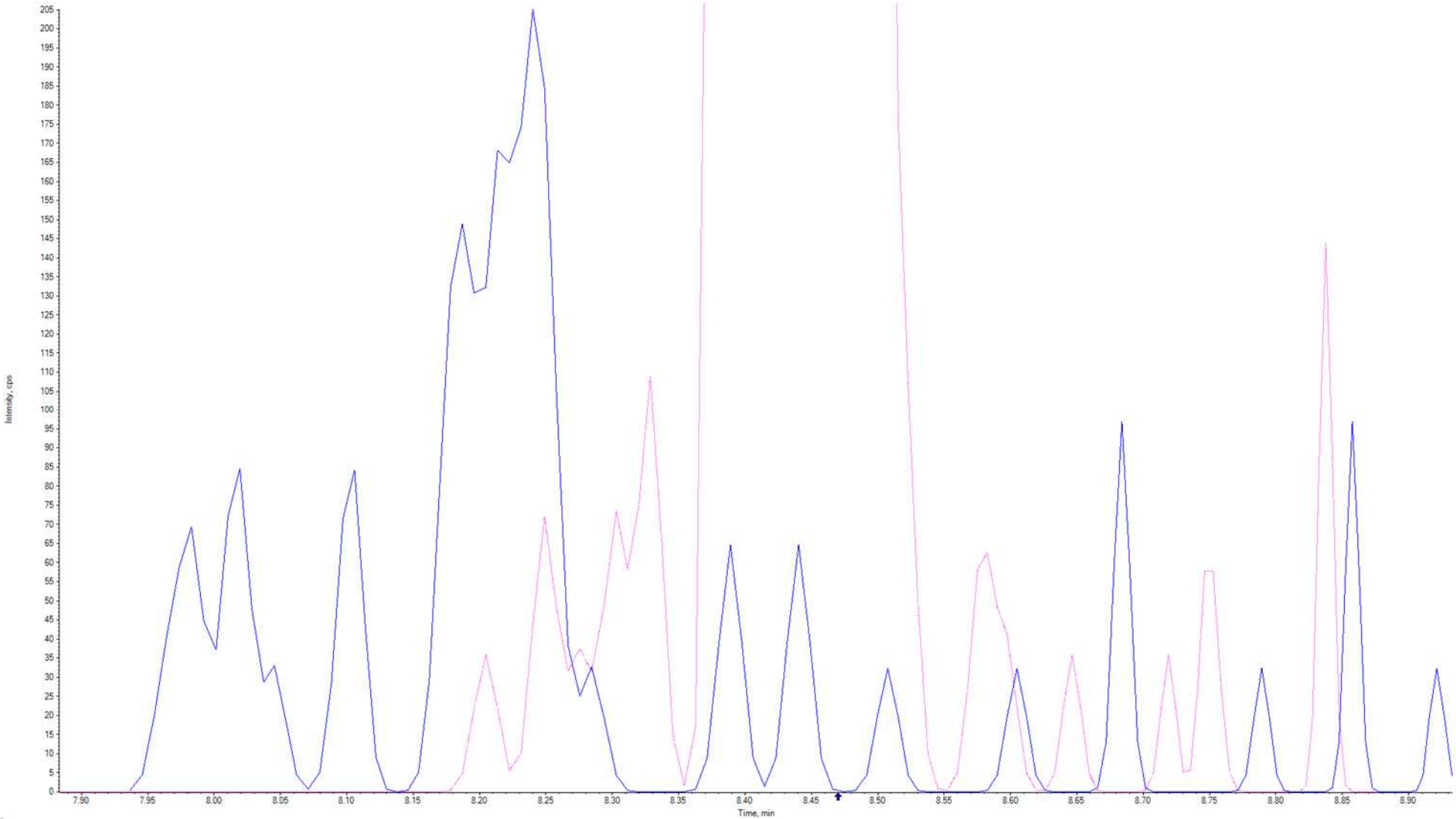
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



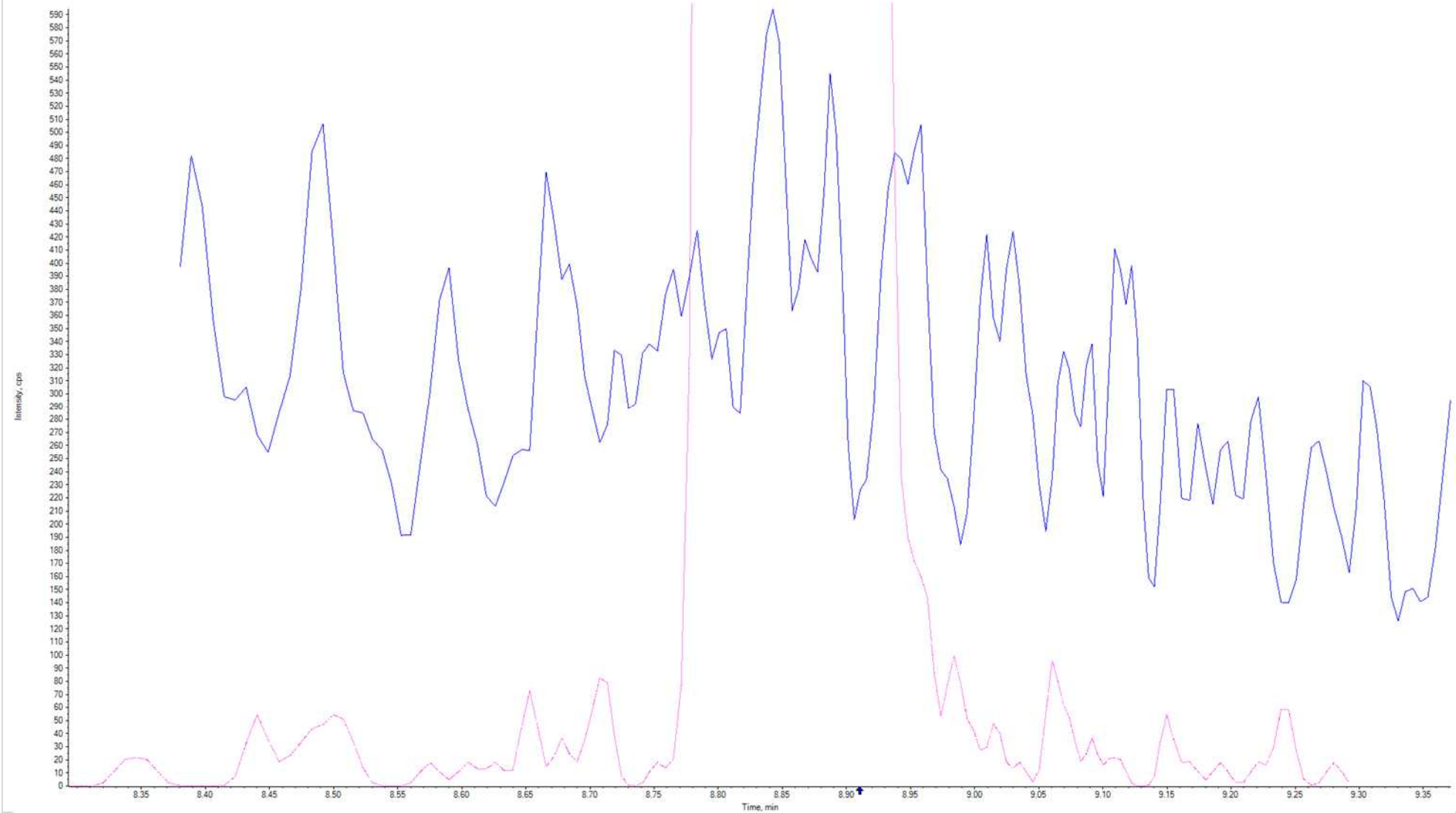
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA_2
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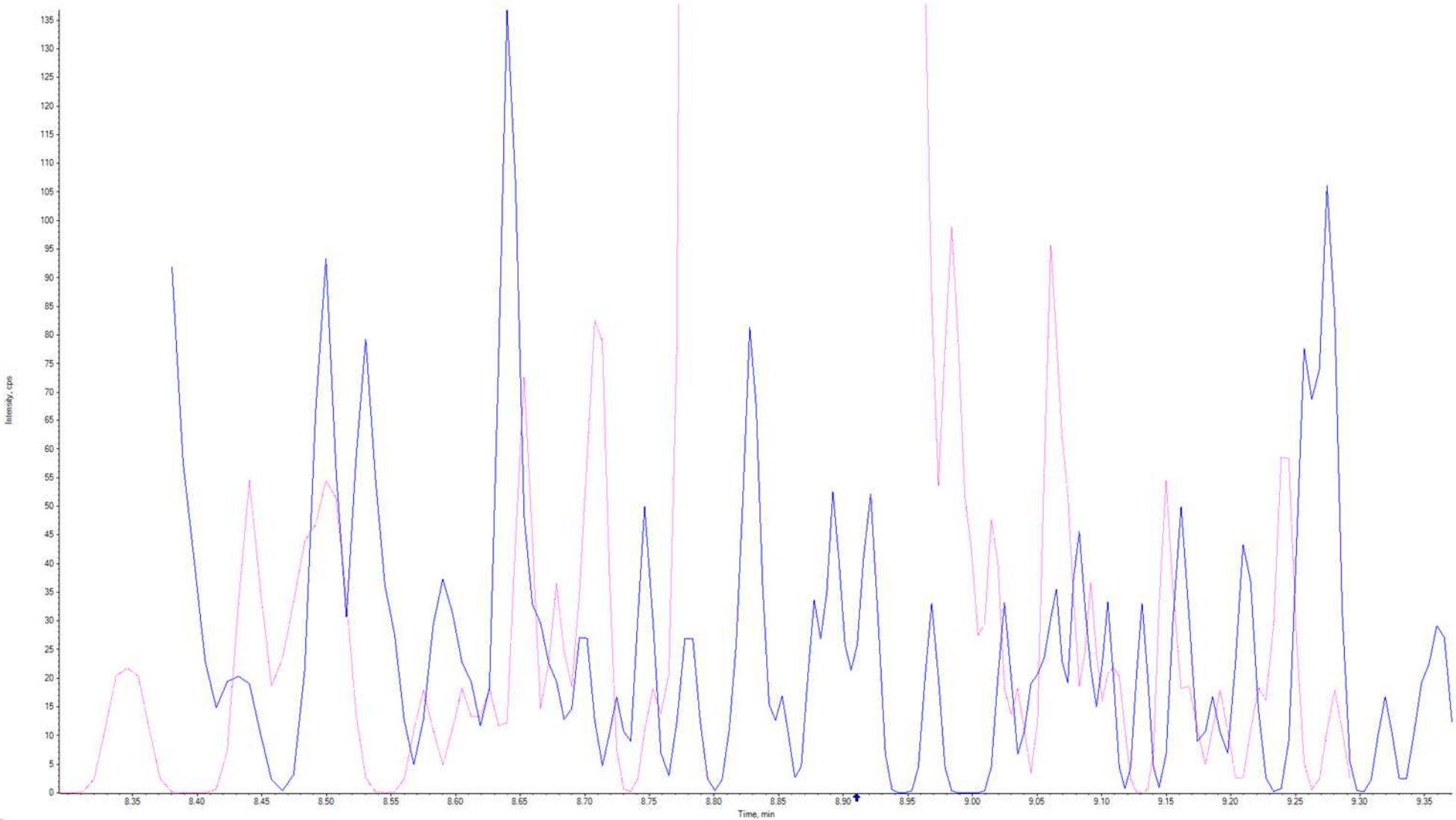
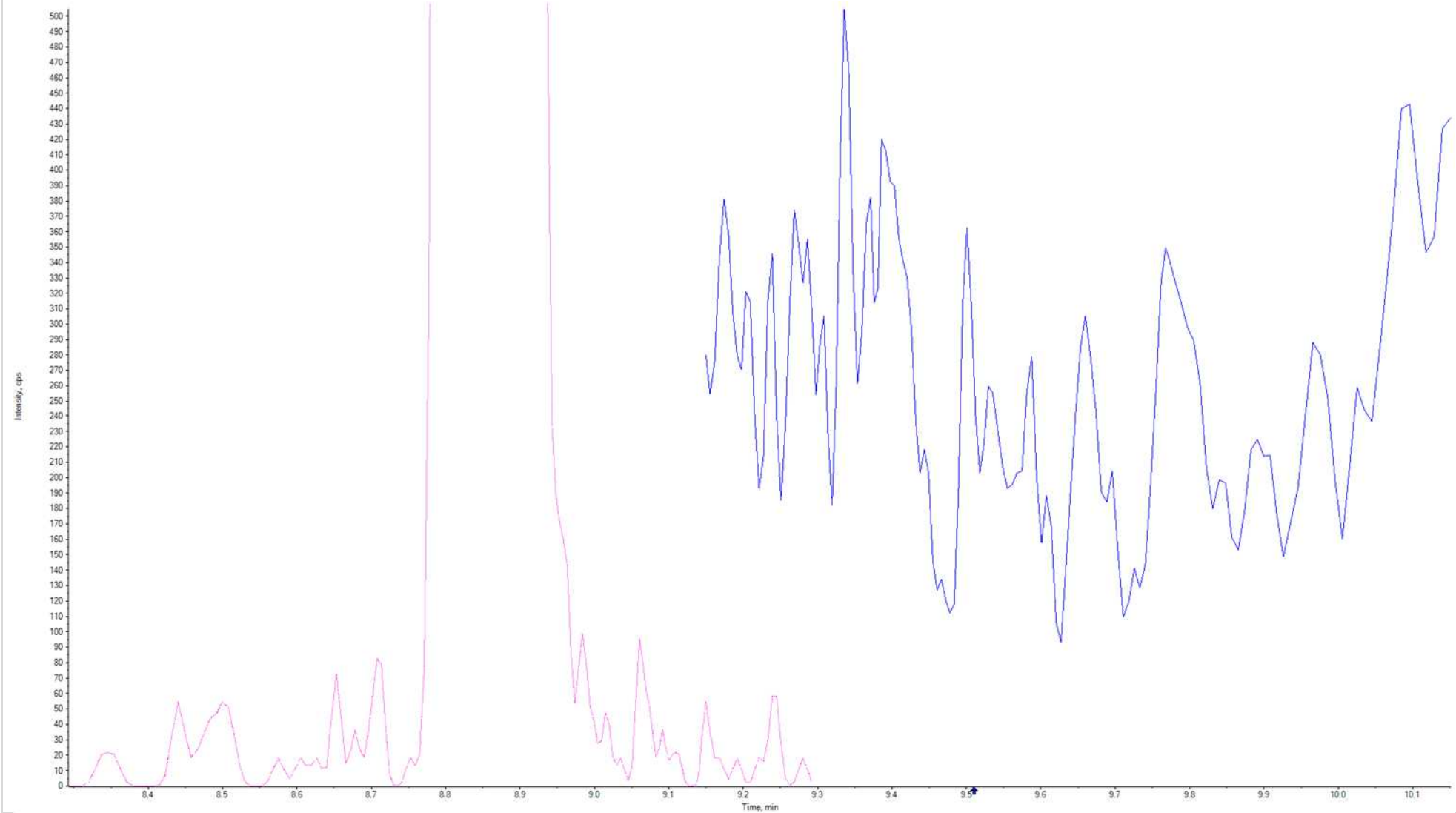


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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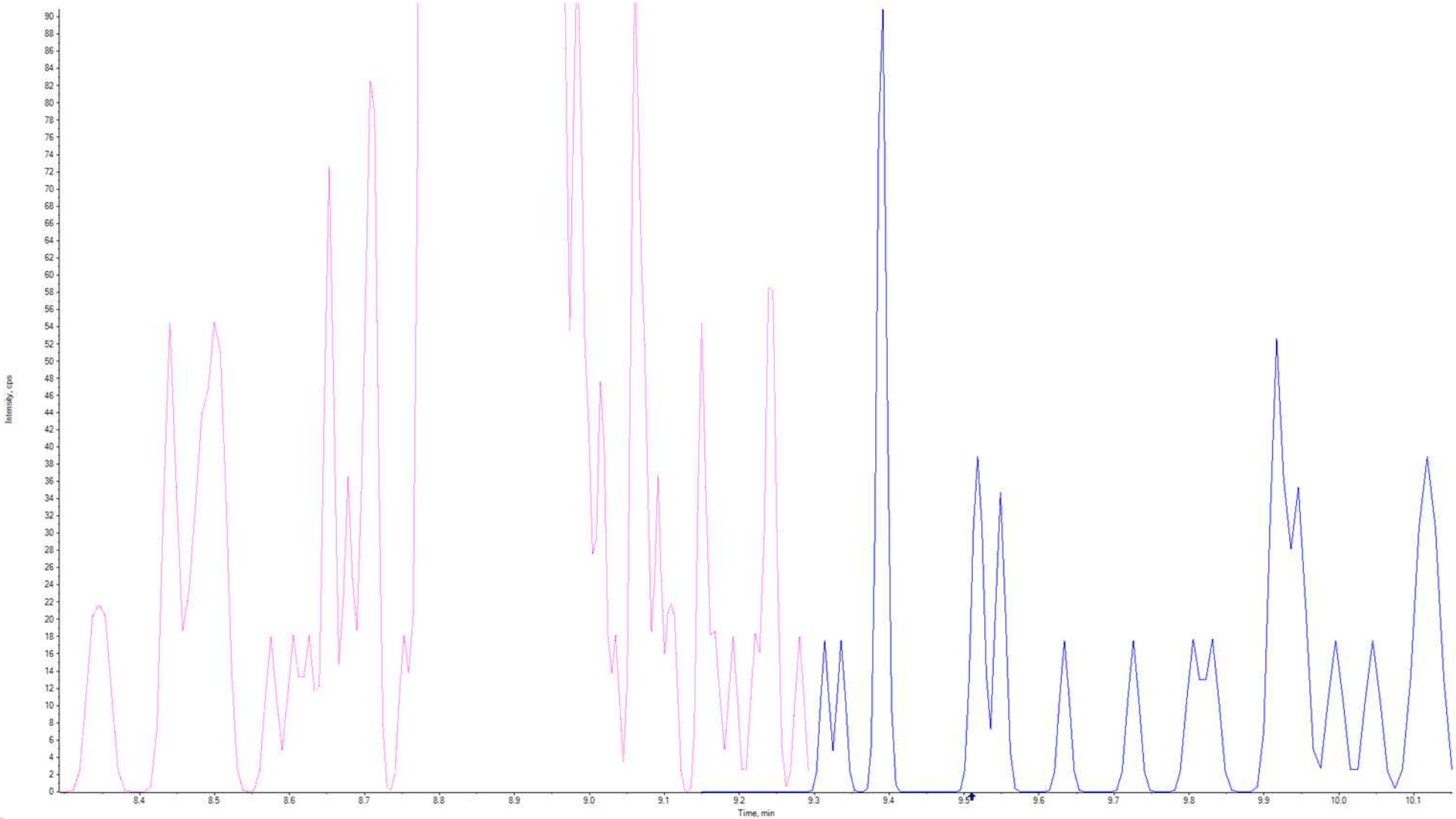
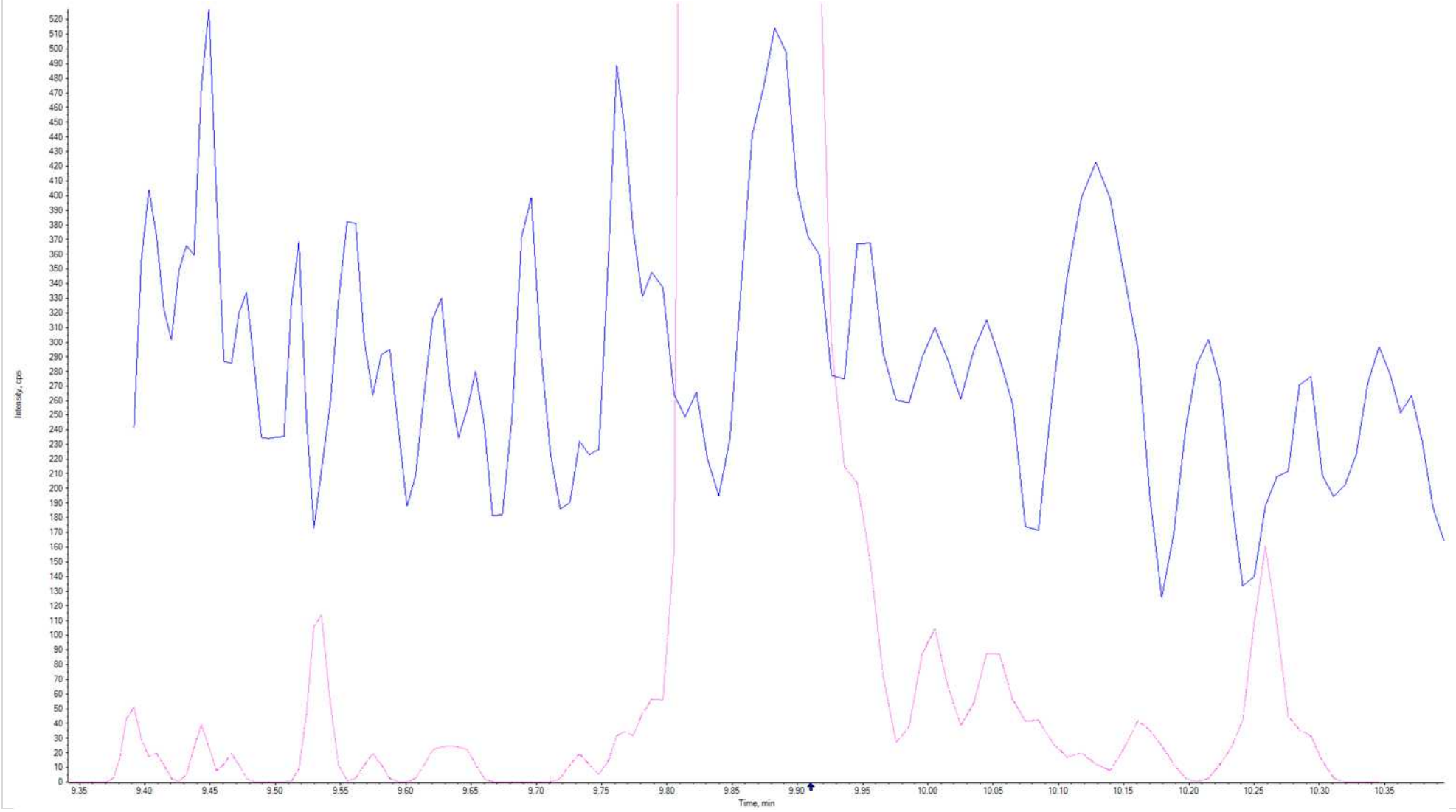
PFTrDA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFTeDA_2
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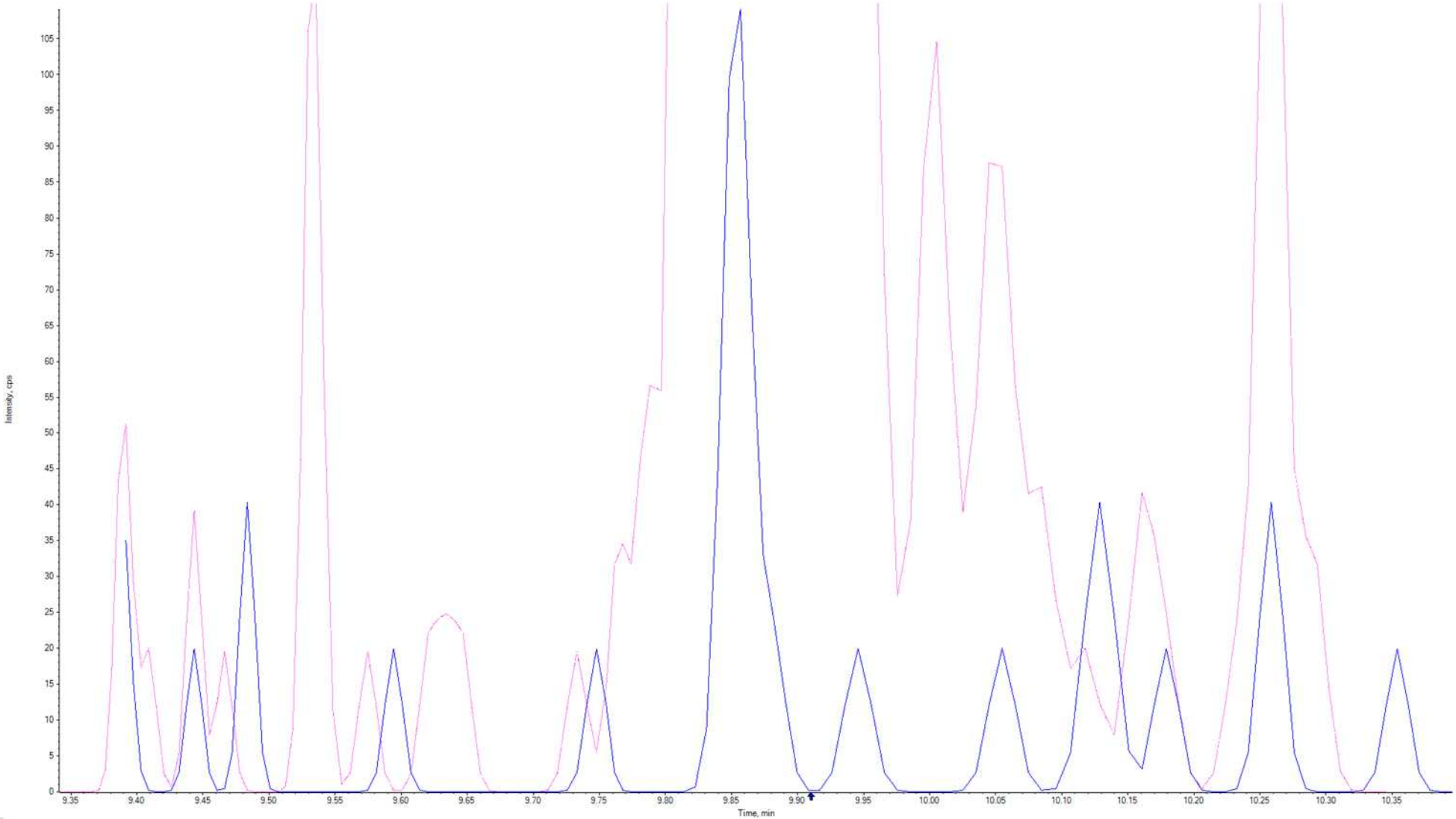

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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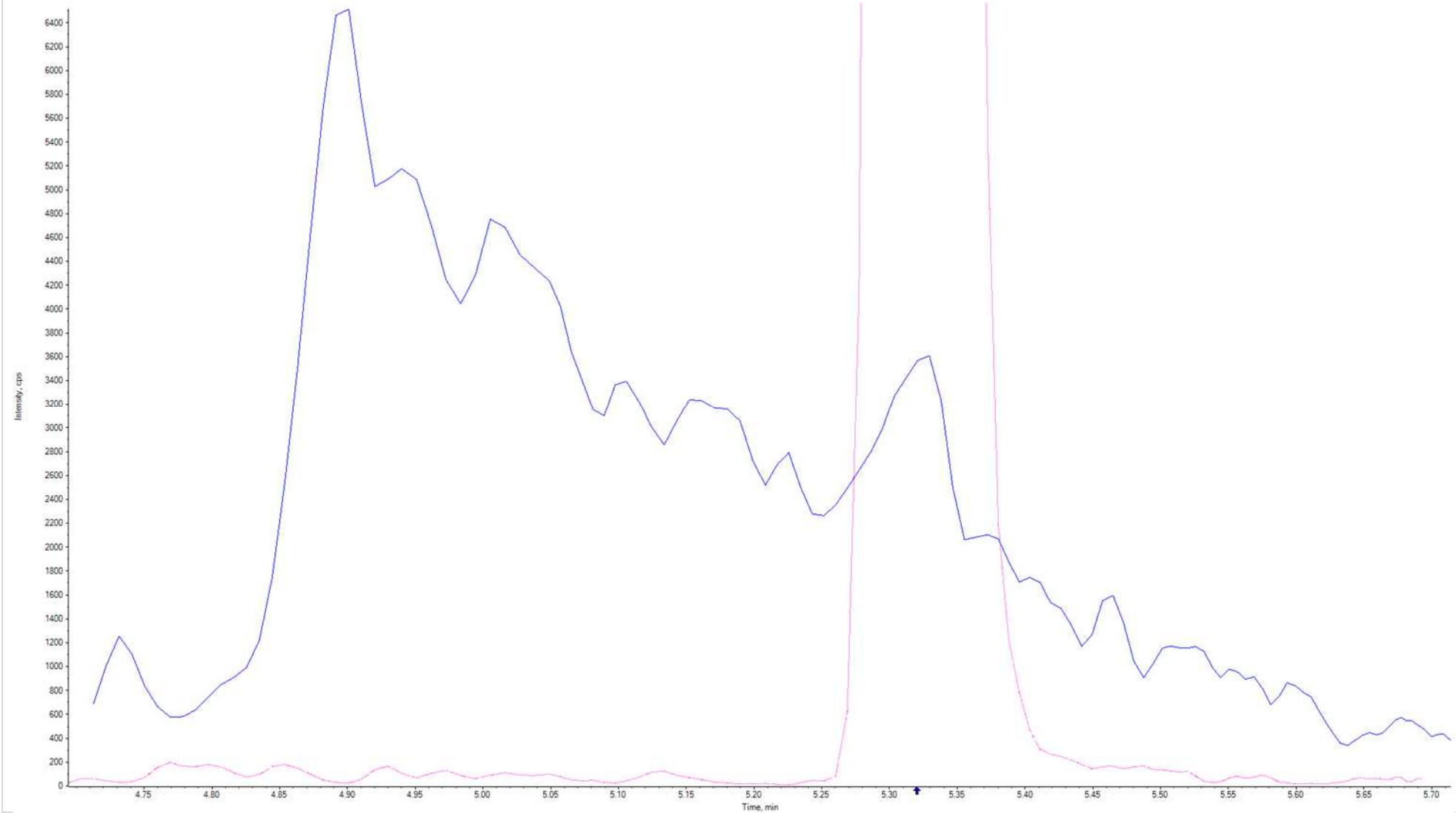
PFBS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFBS_2
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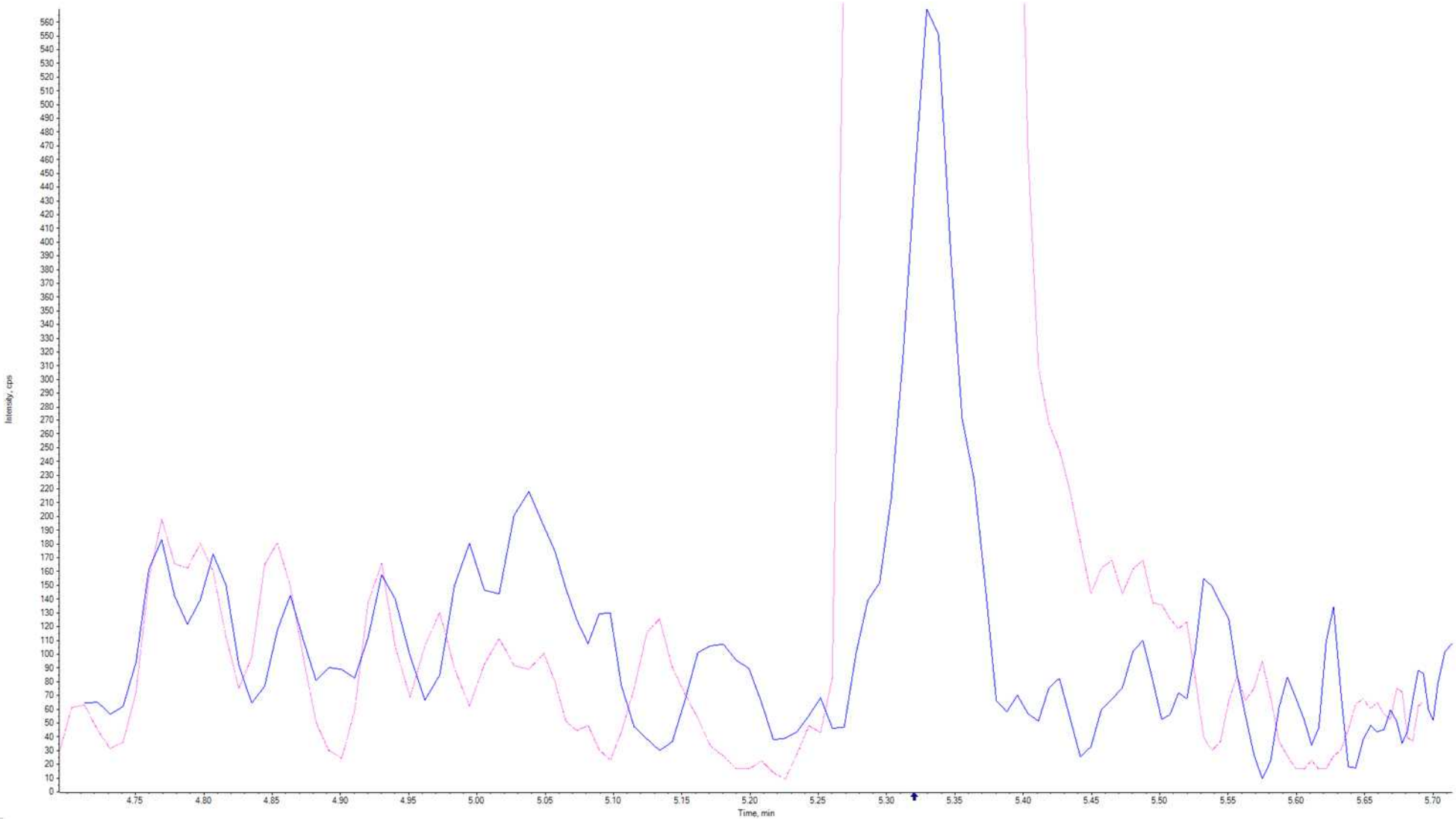

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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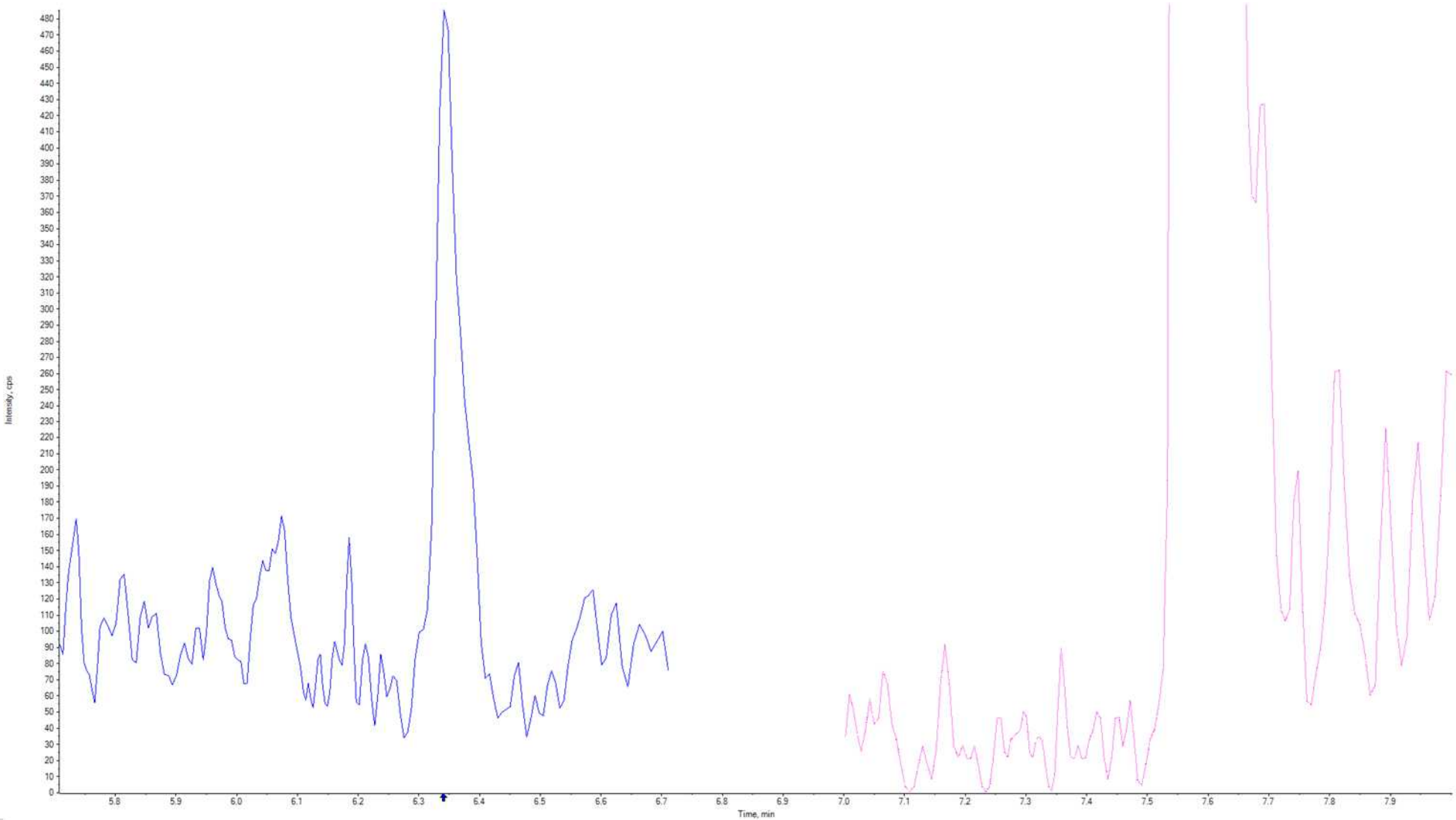
PFPeS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFPeS_2
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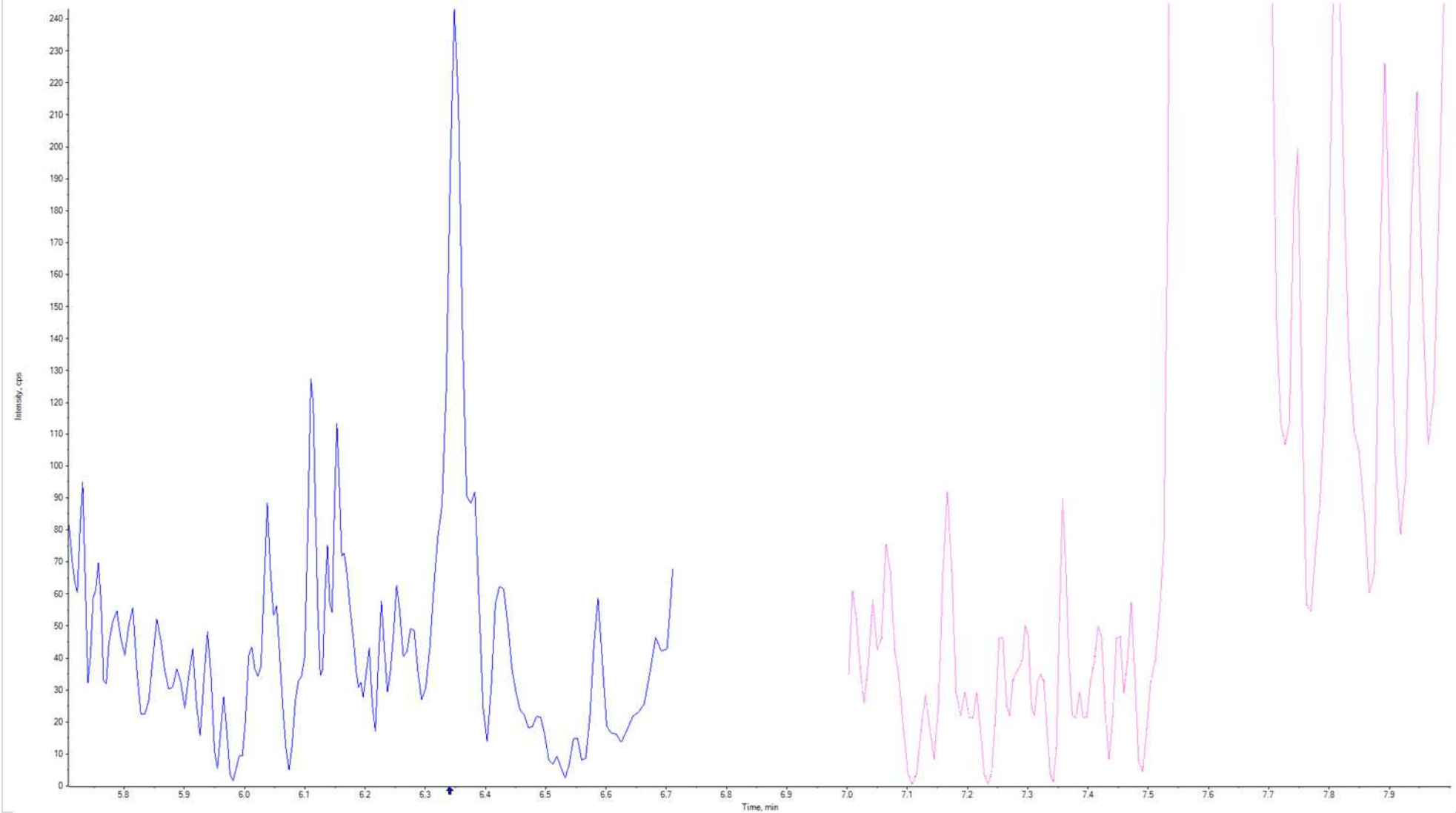

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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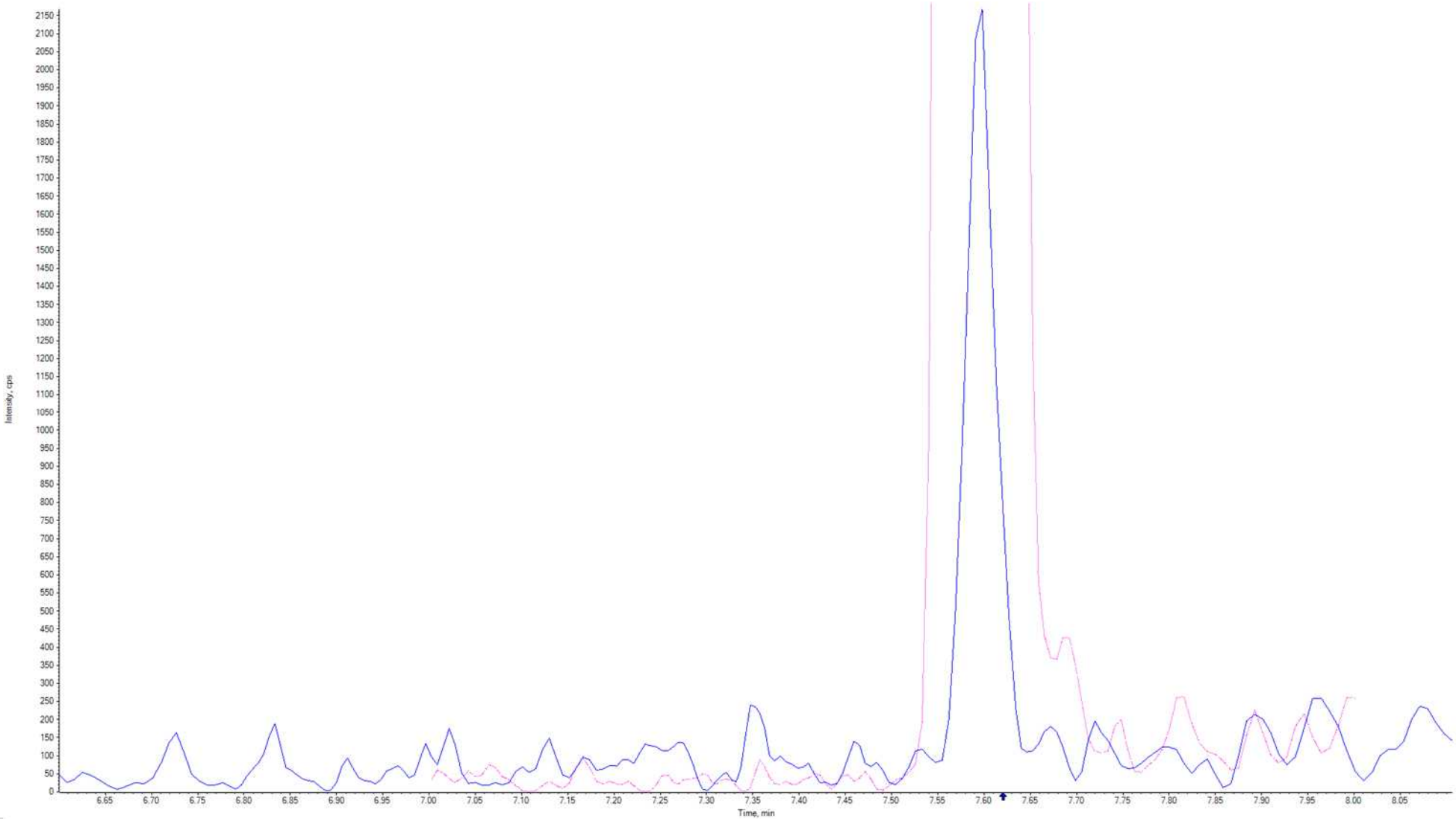
PFHxS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFHxS_2
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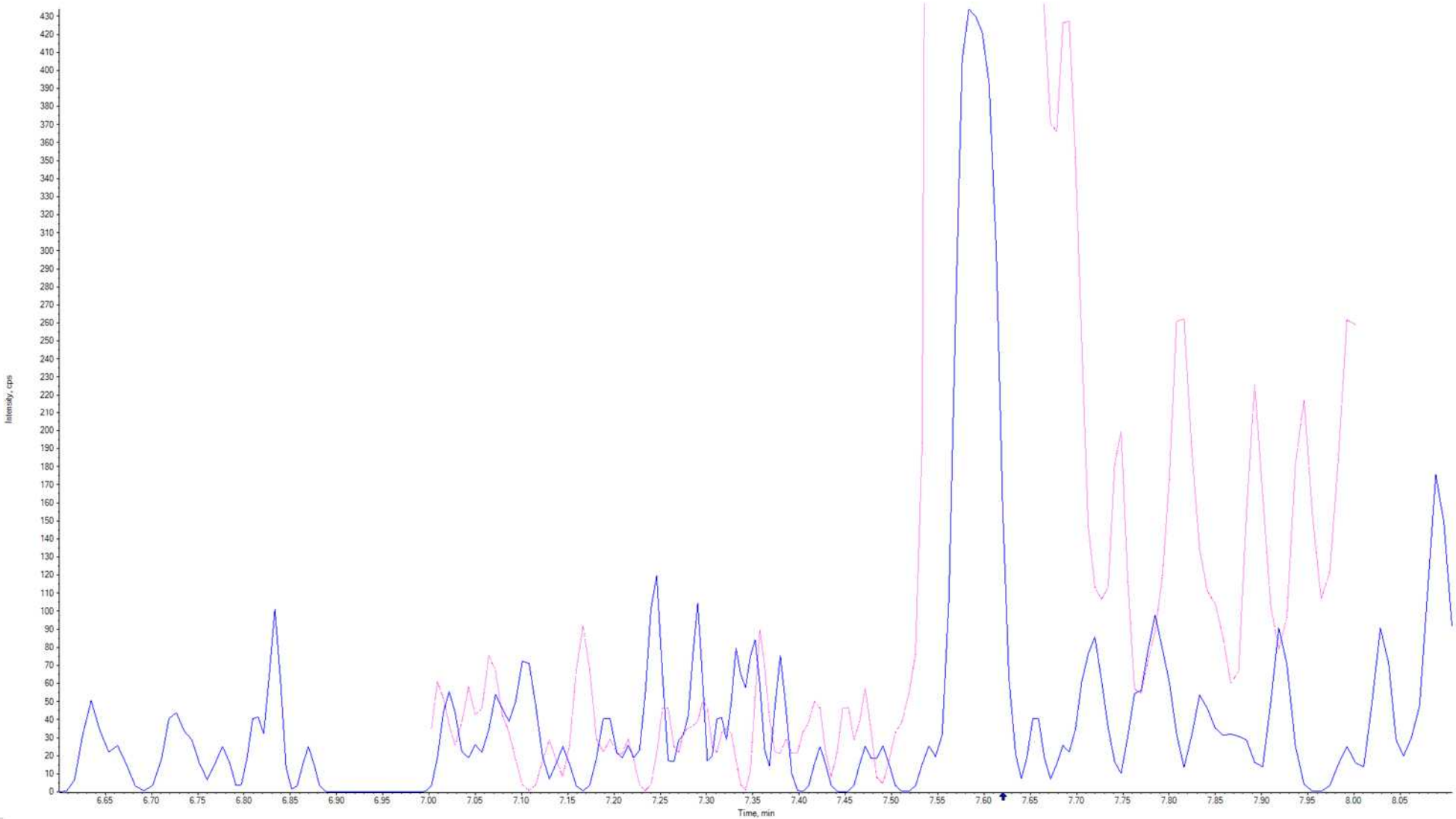

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFHpS
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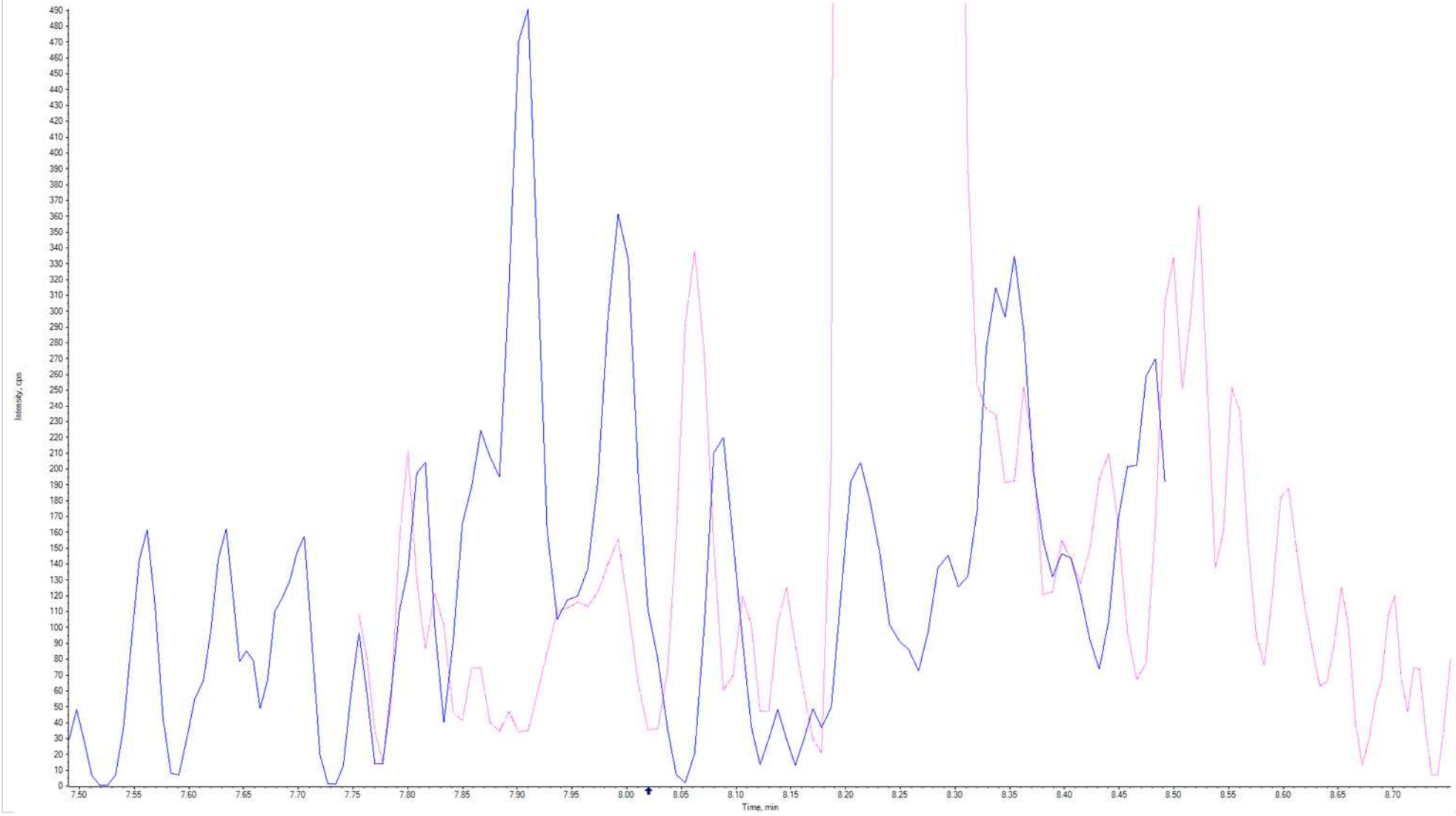

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFHpS_2
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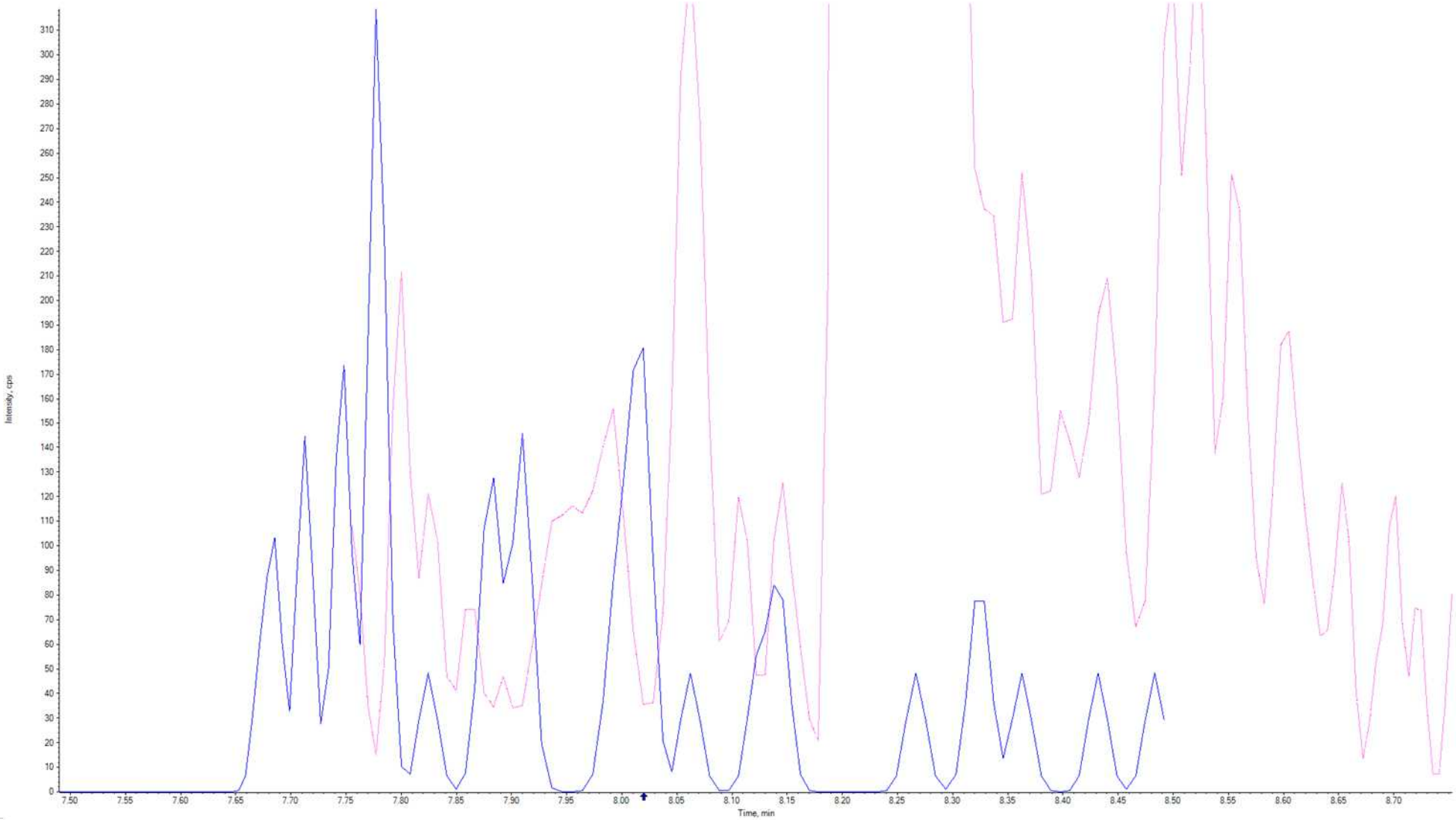

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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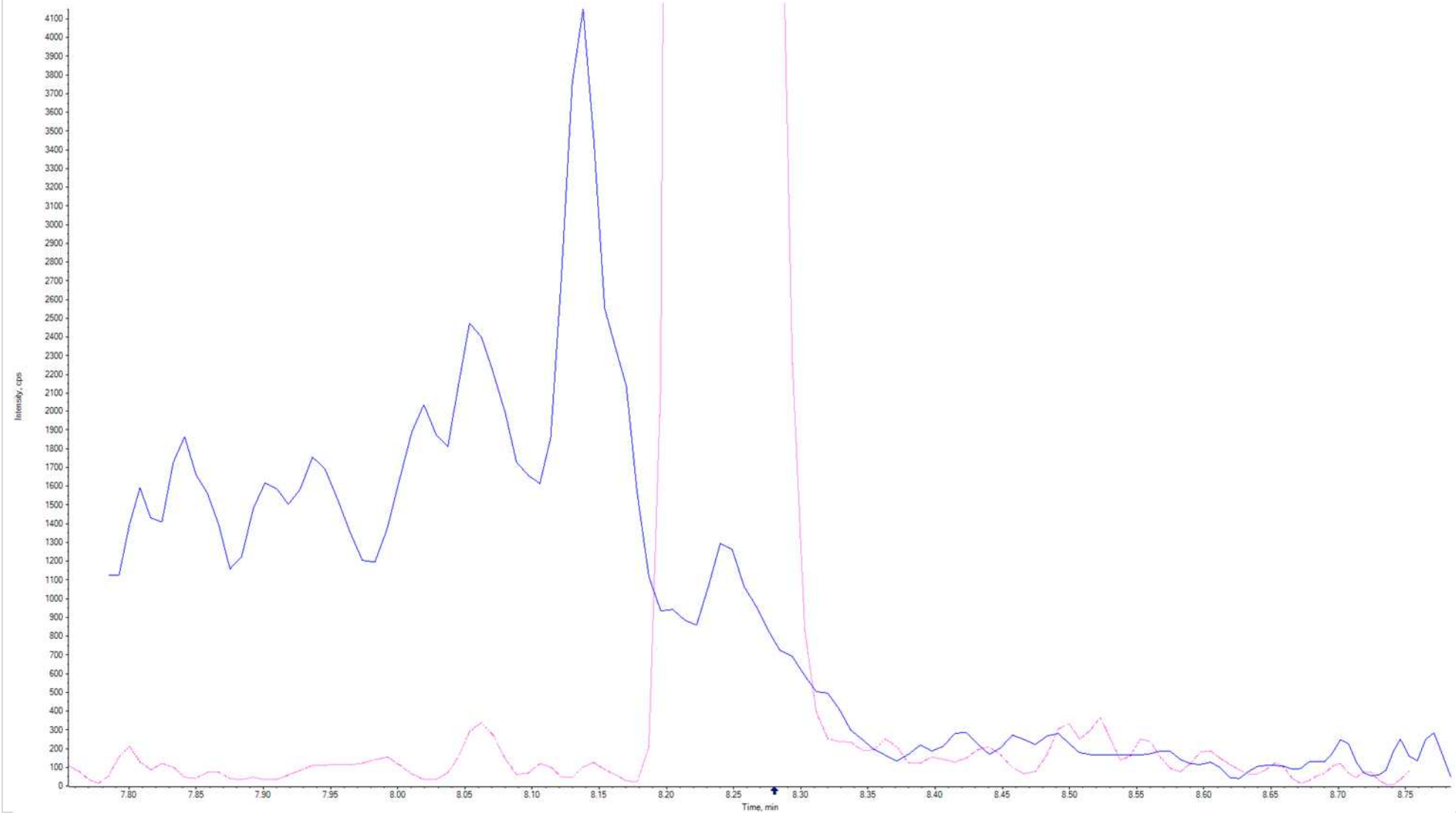
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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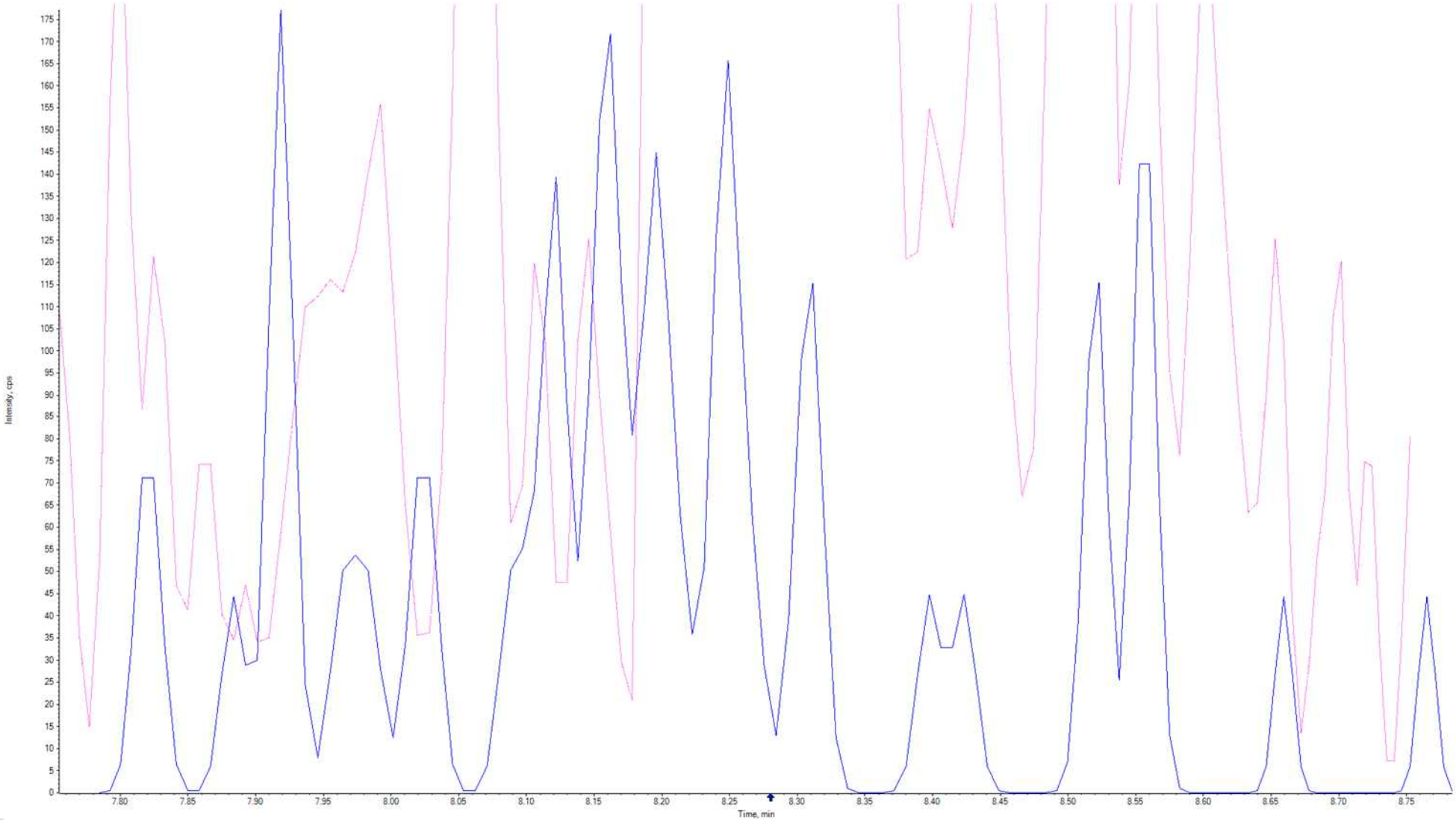
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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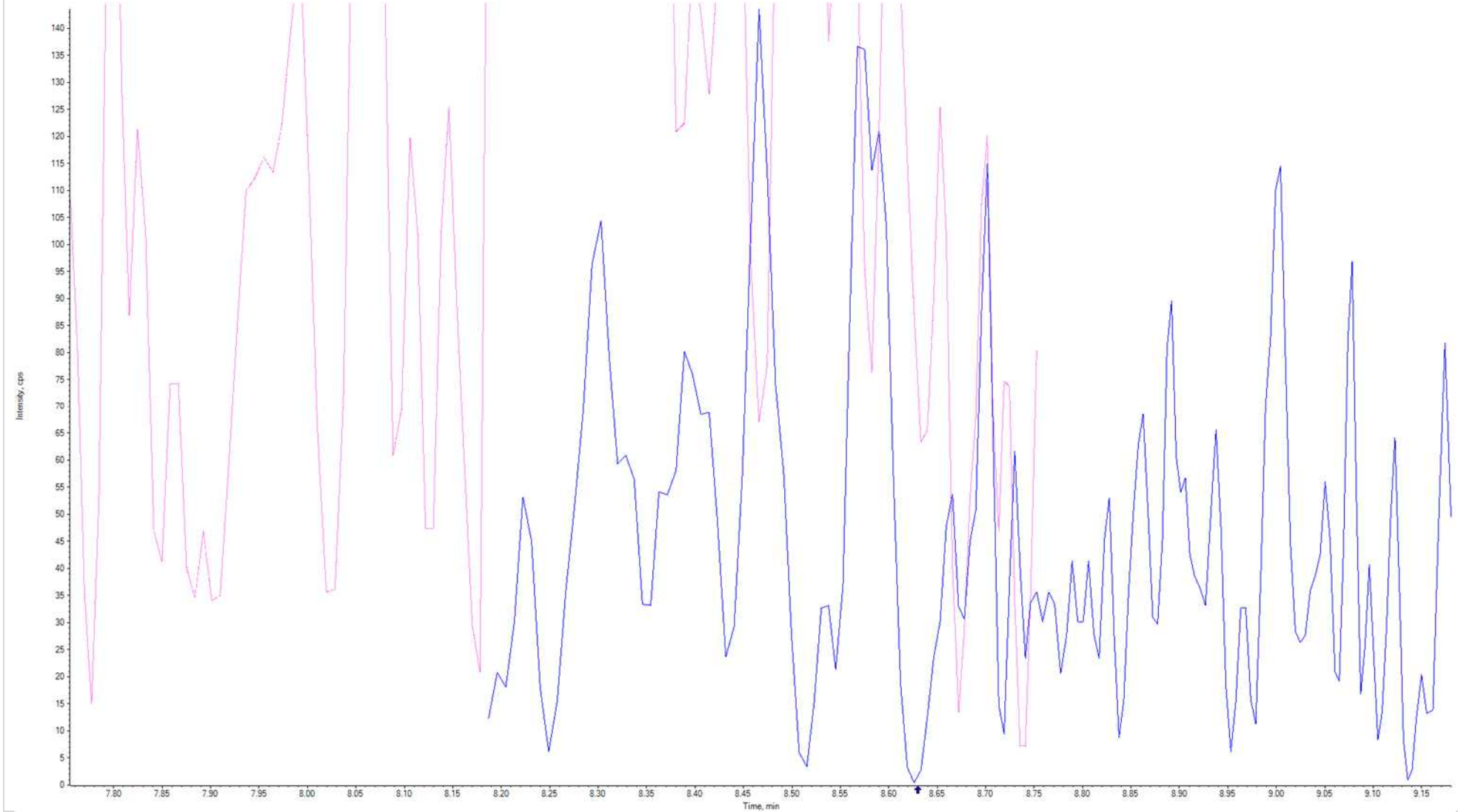
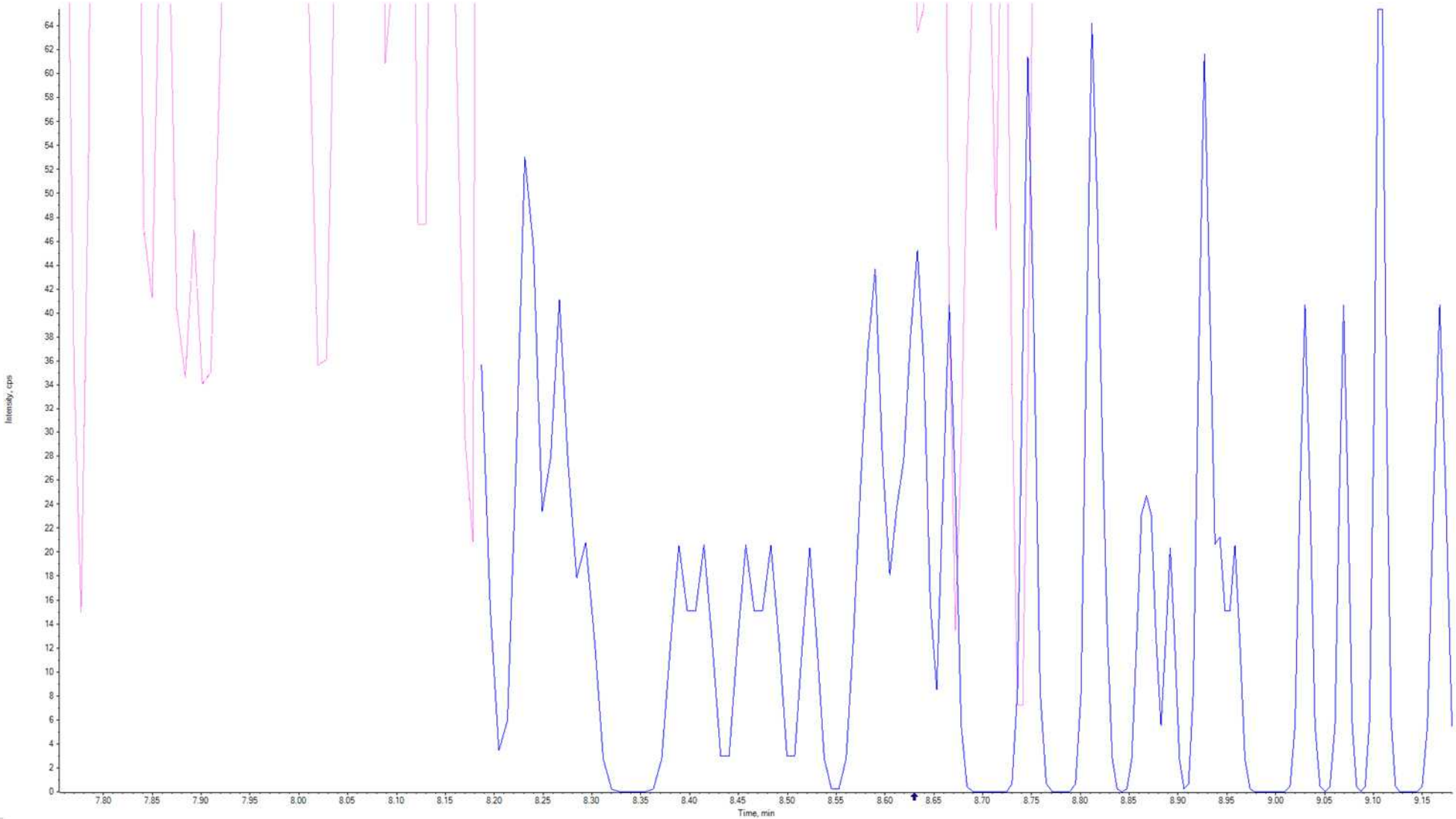
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A

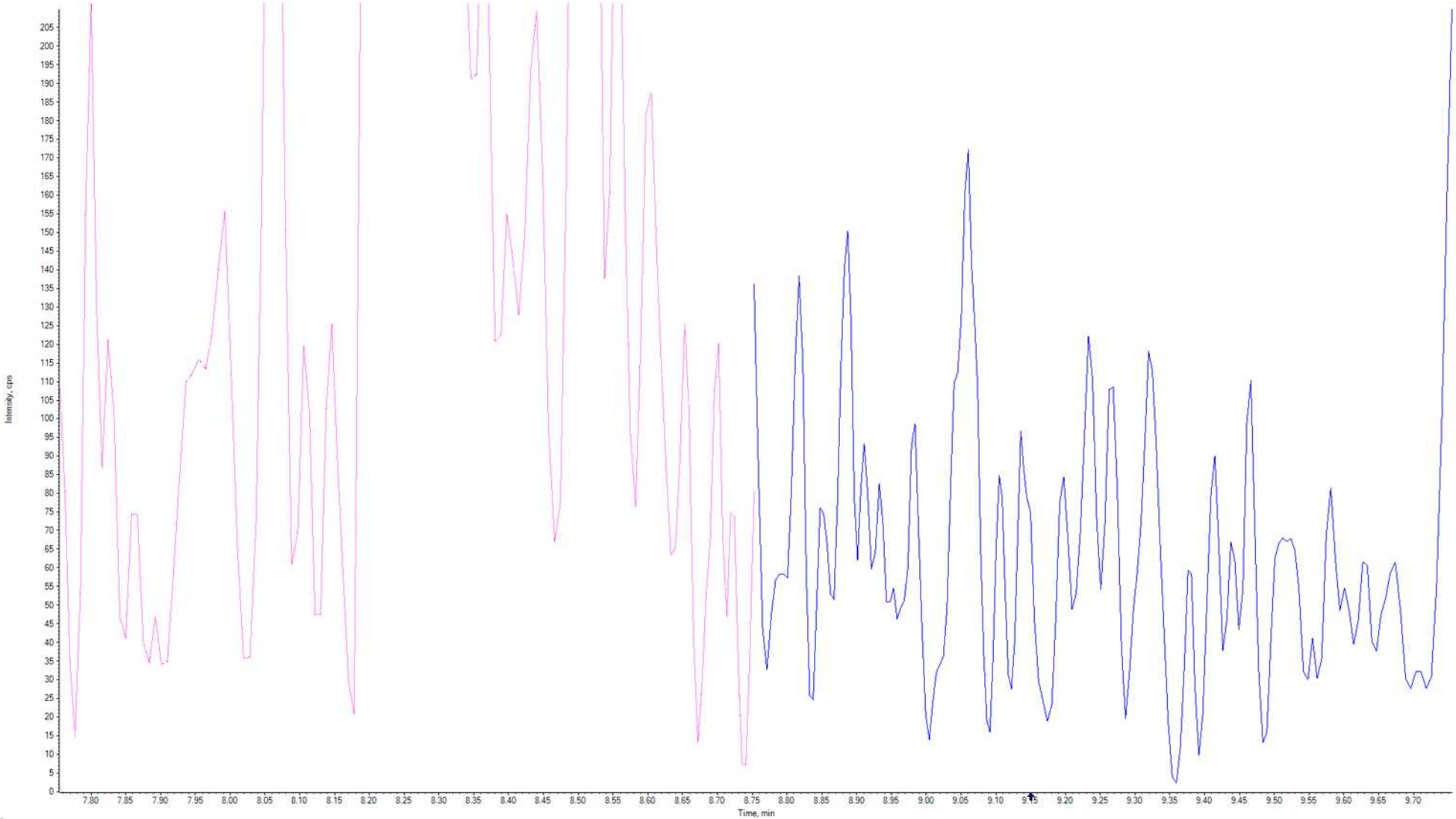


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



PFDS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDS_2
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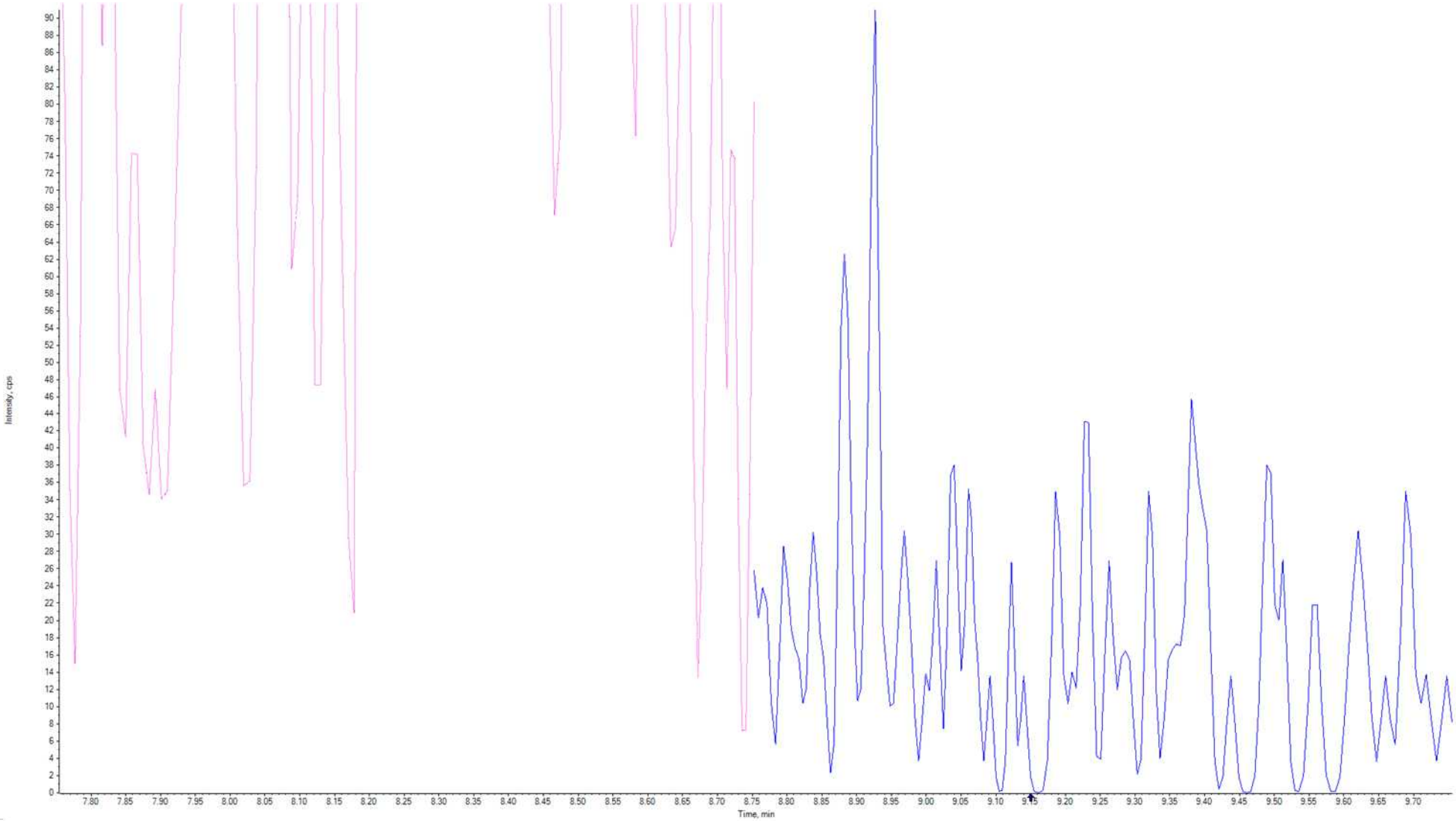
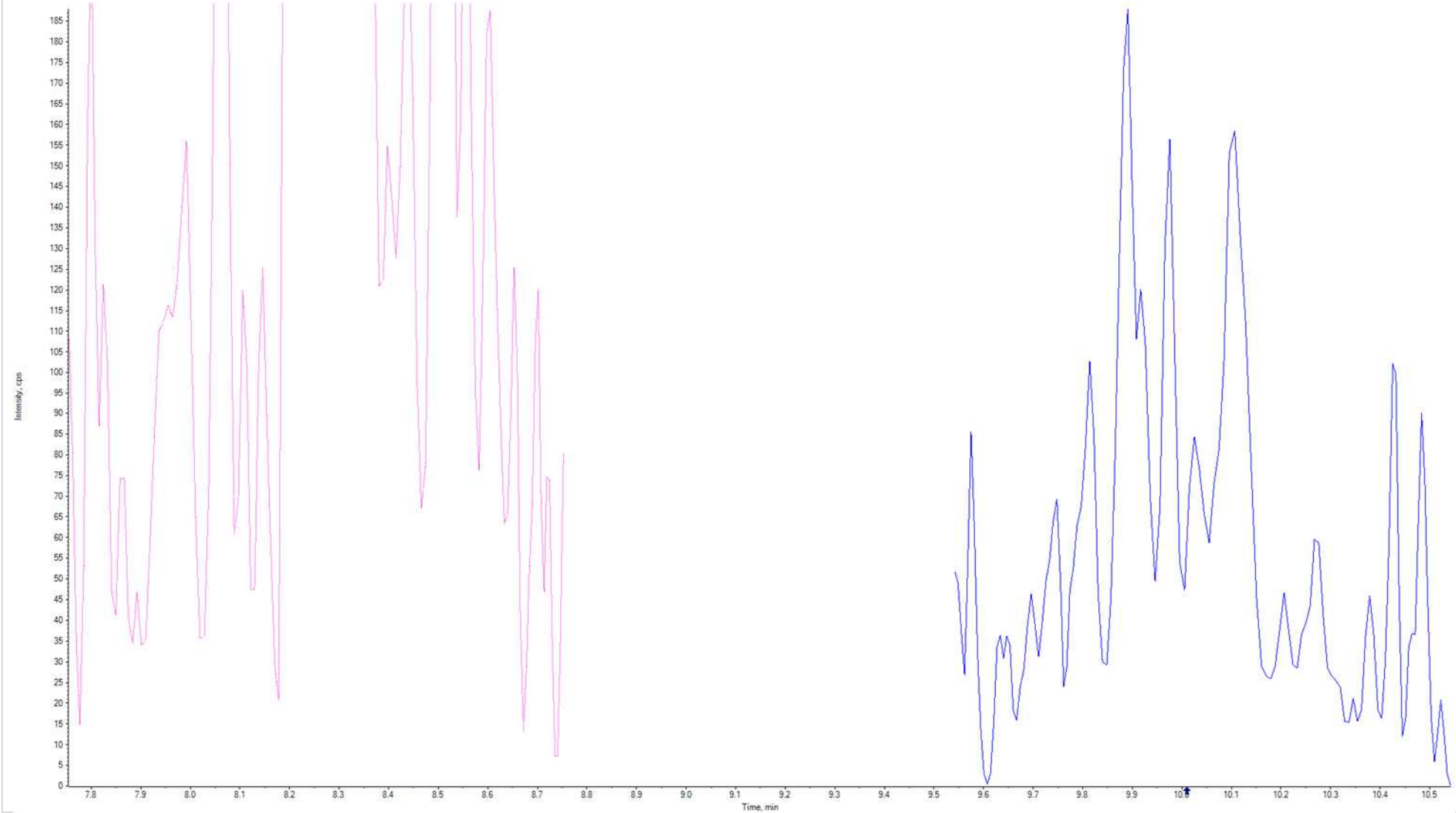
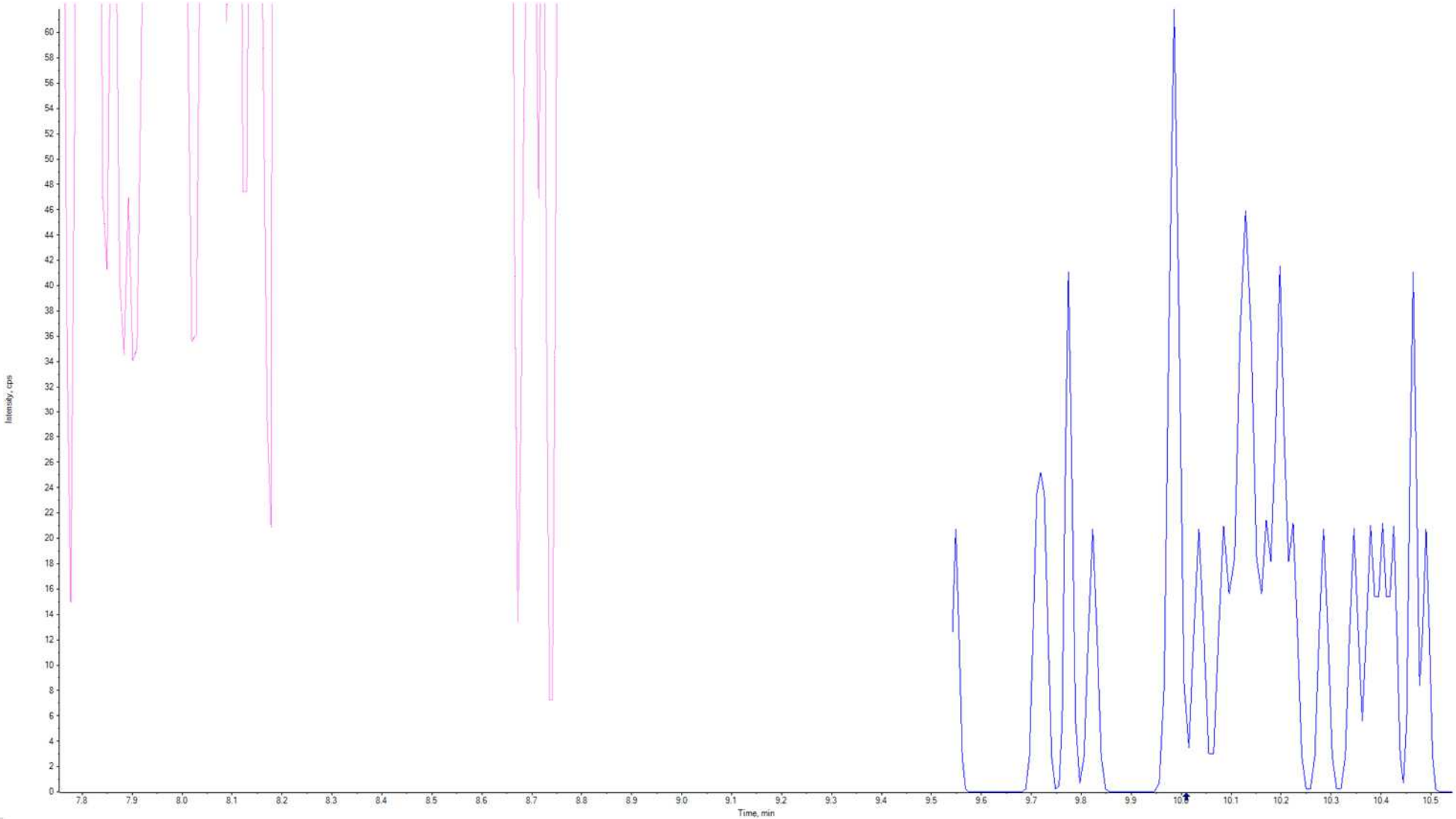


PFDoS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



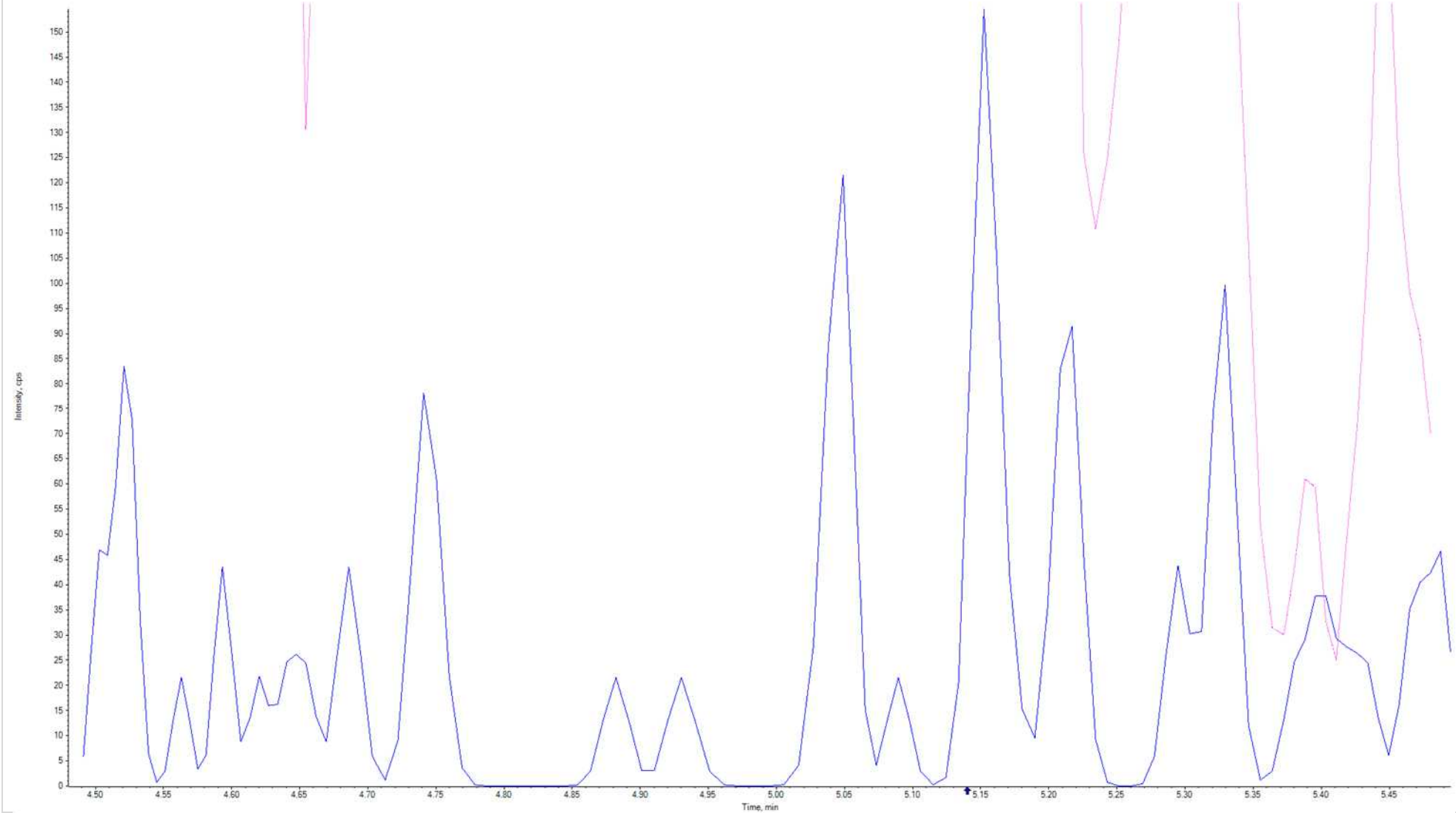
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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4:2FTS_2
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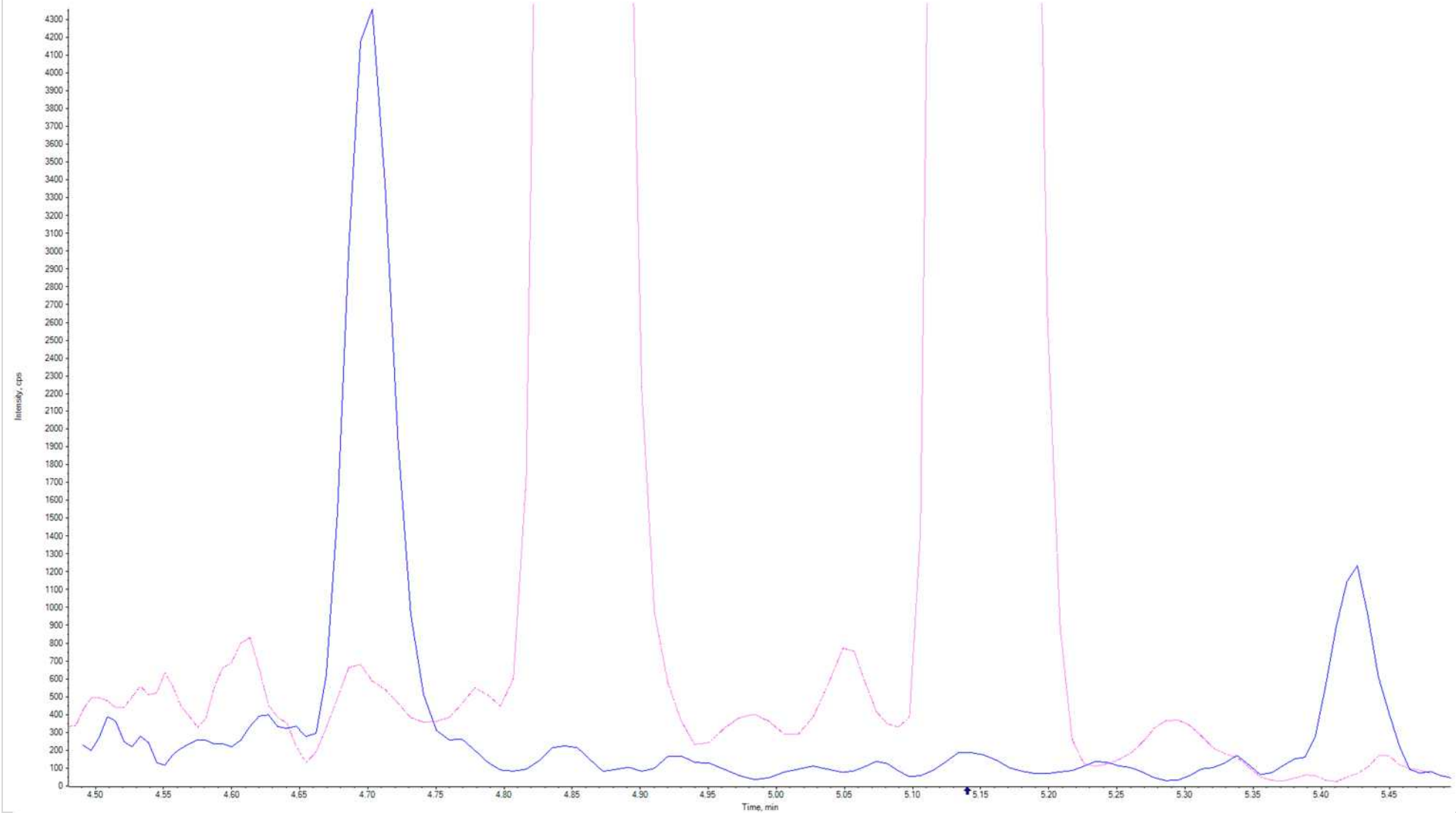

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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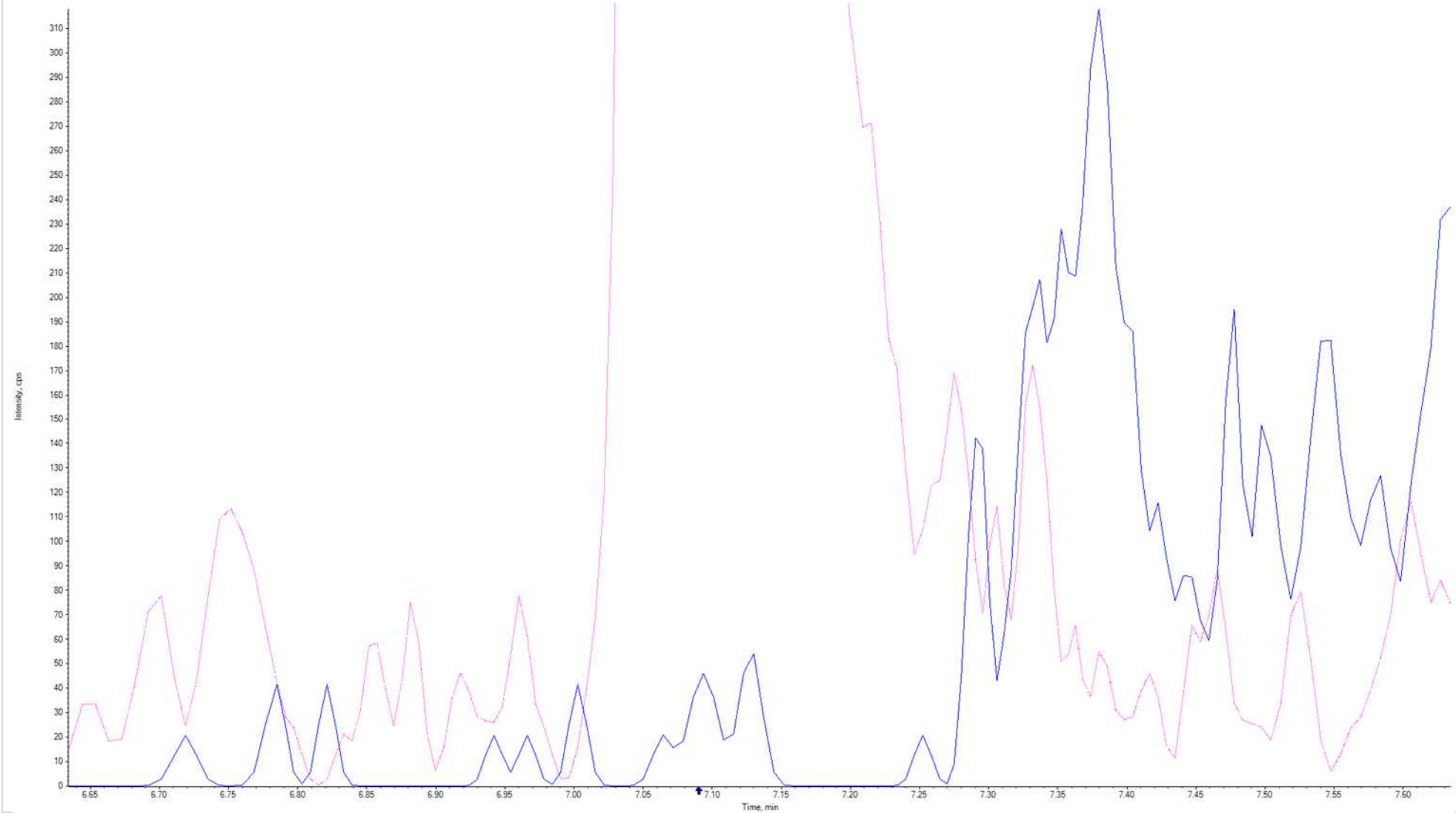
6:2FTS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



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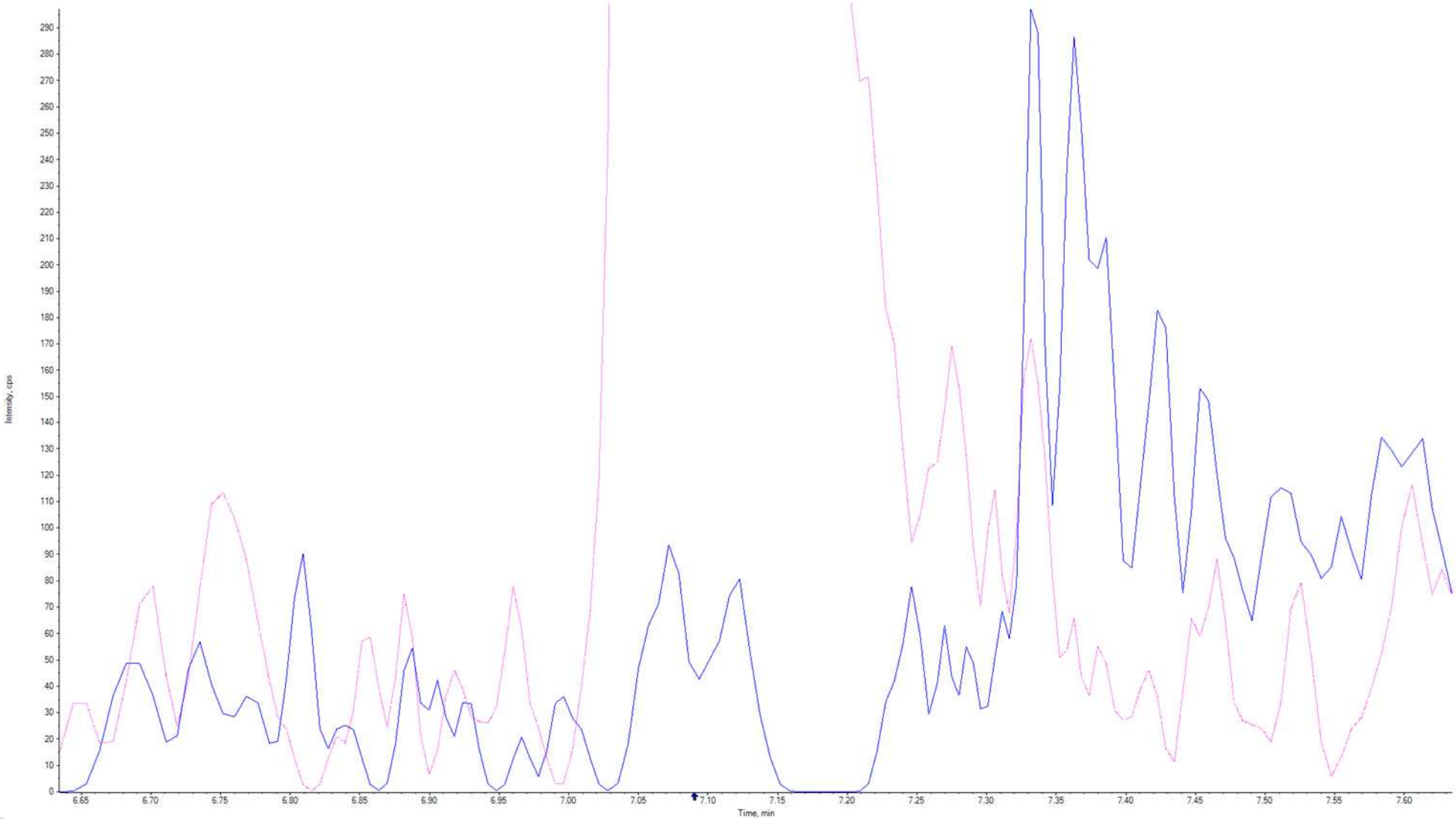

8:2FTS
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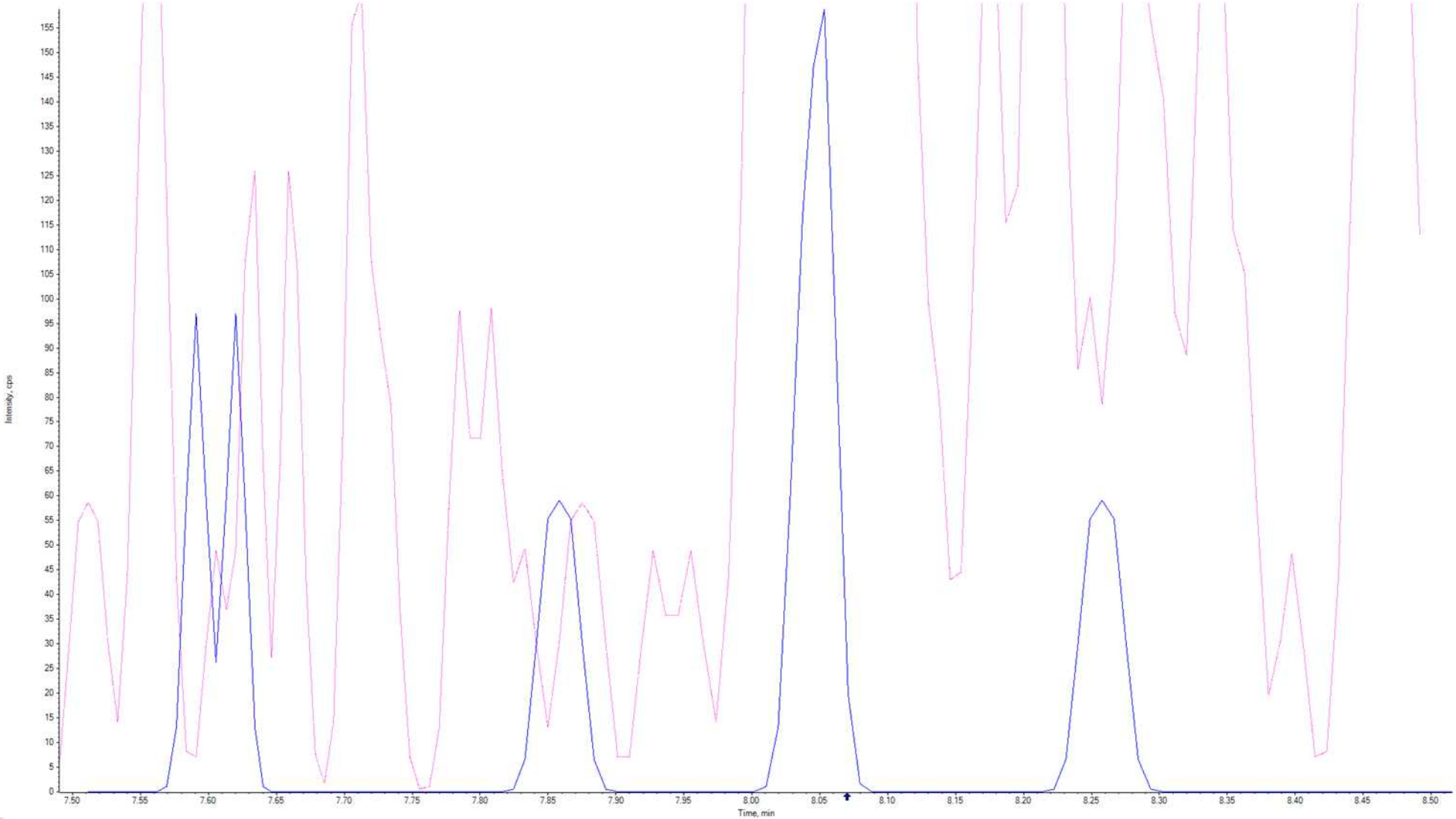

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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8:2FTS_2
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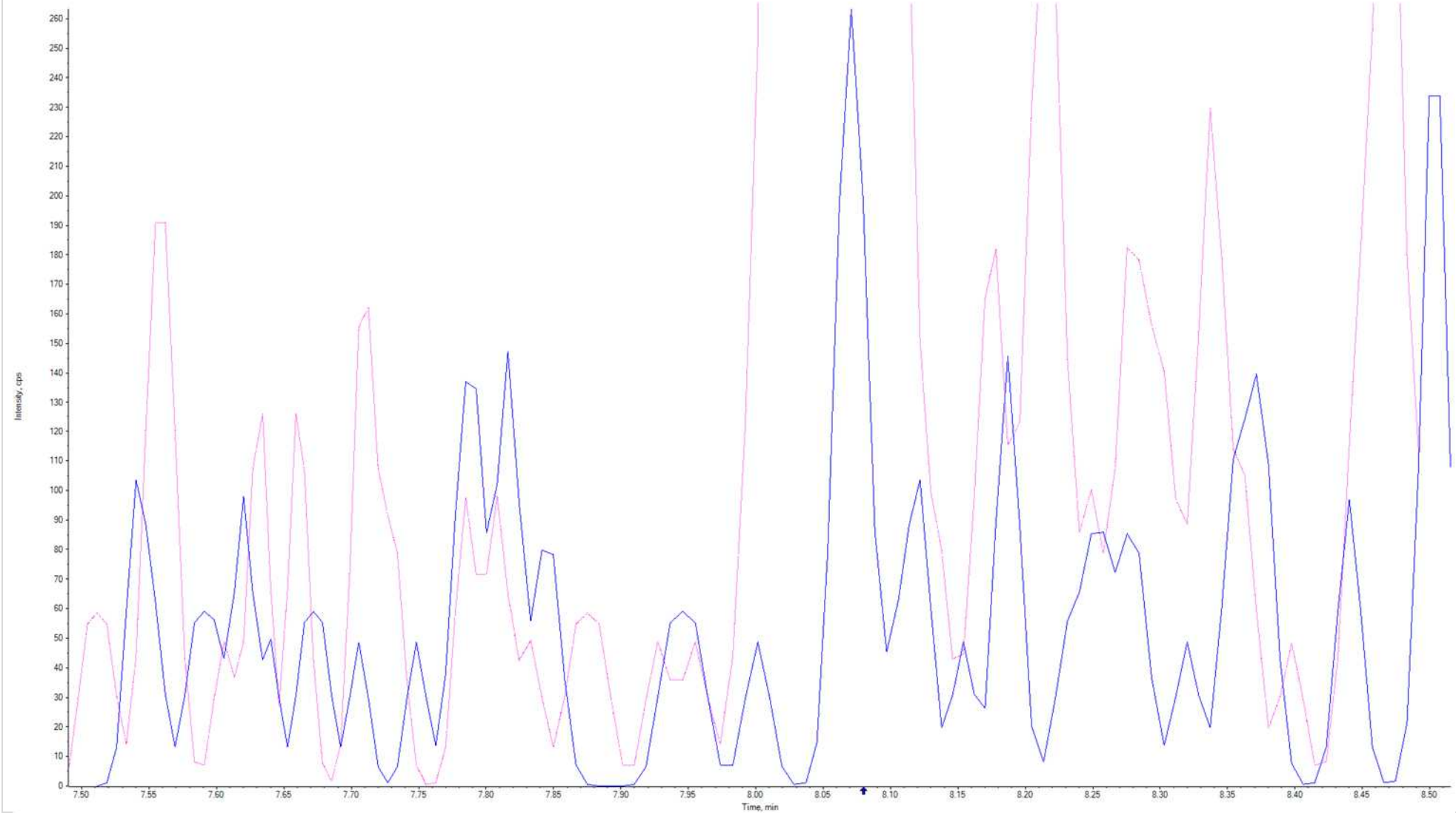

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Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFOSA
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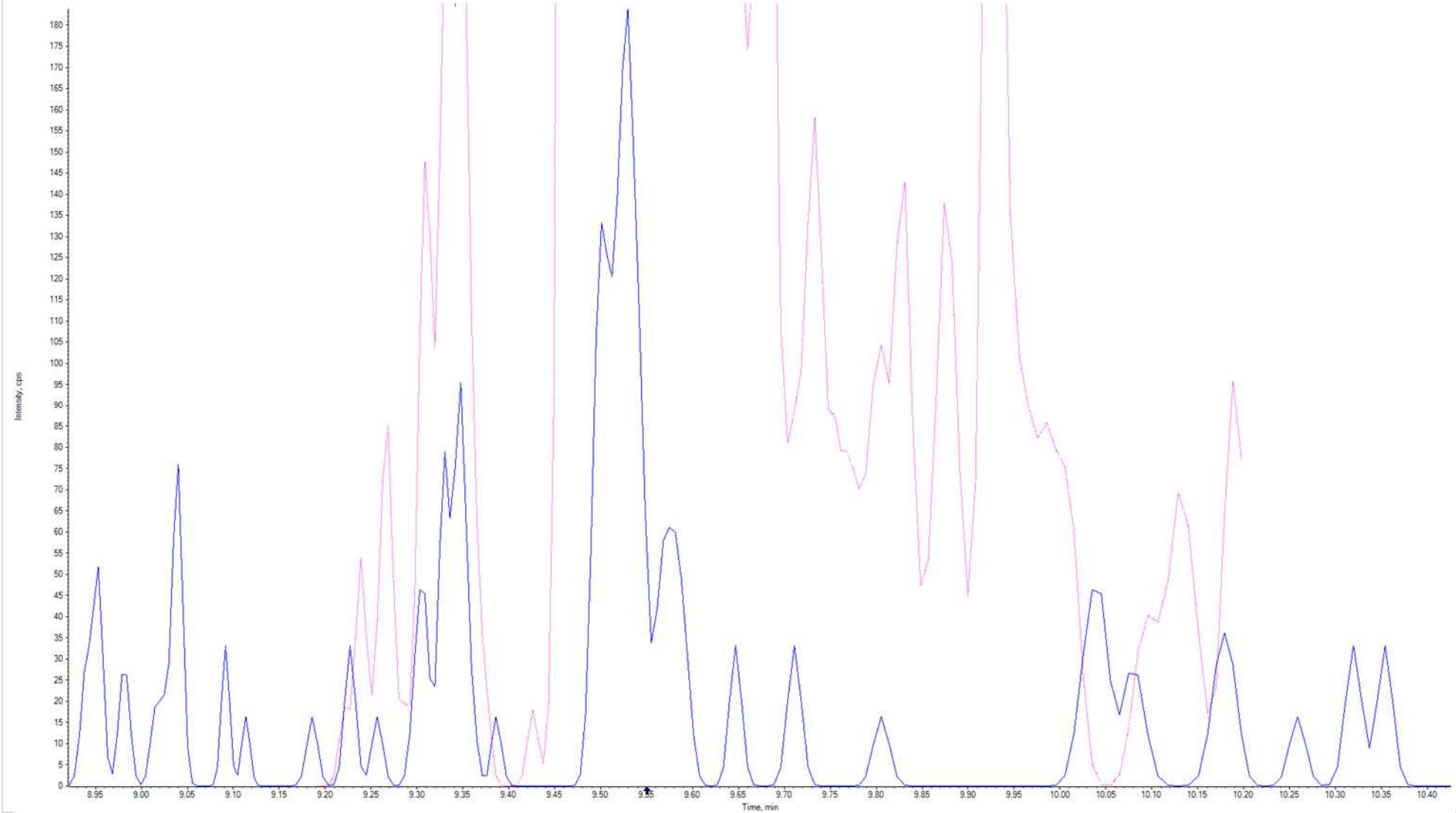

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFOSA_2
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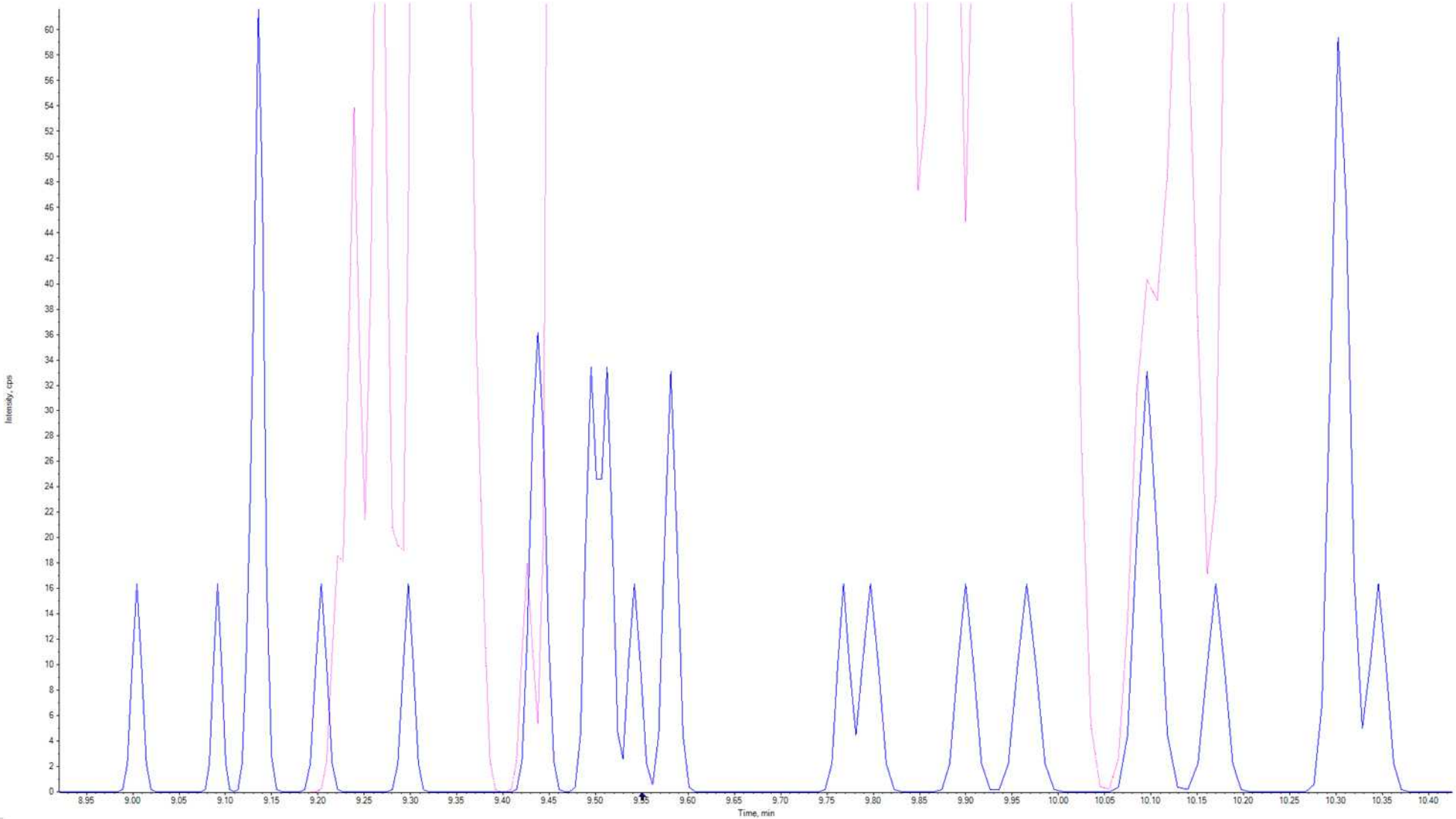

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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NMeFOSA
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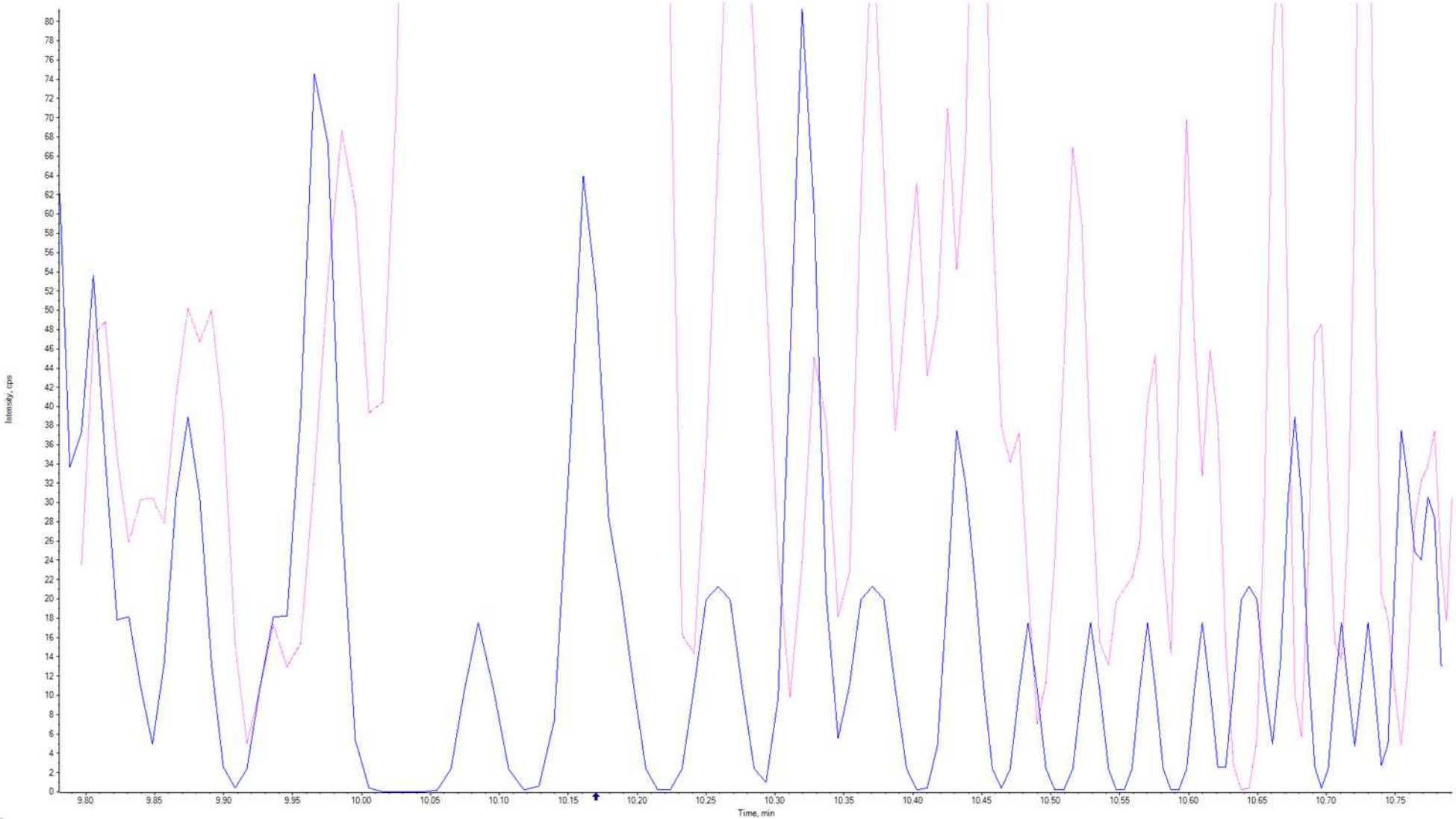

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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NMeFOSA_2
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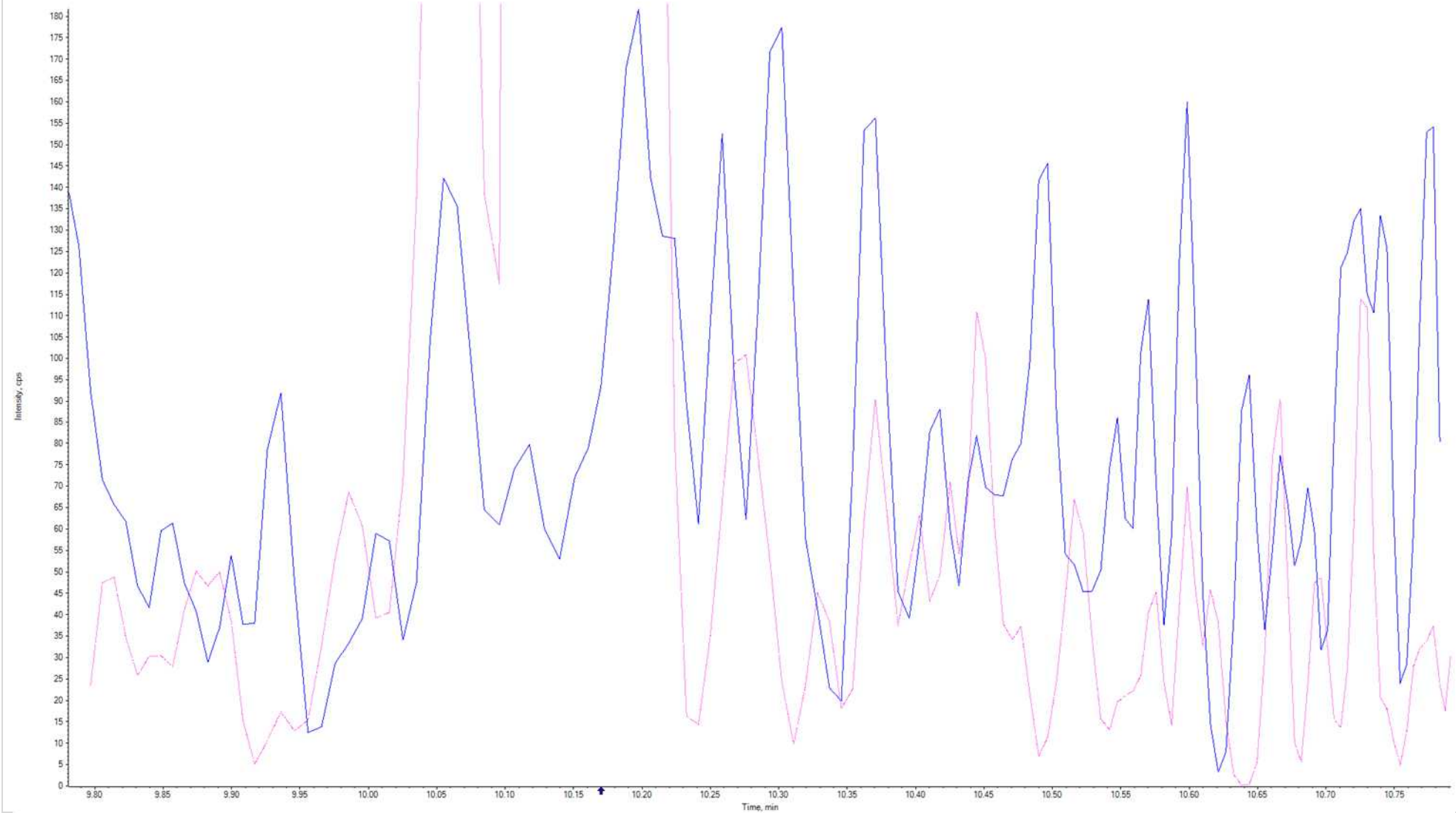

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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NEtFOSA
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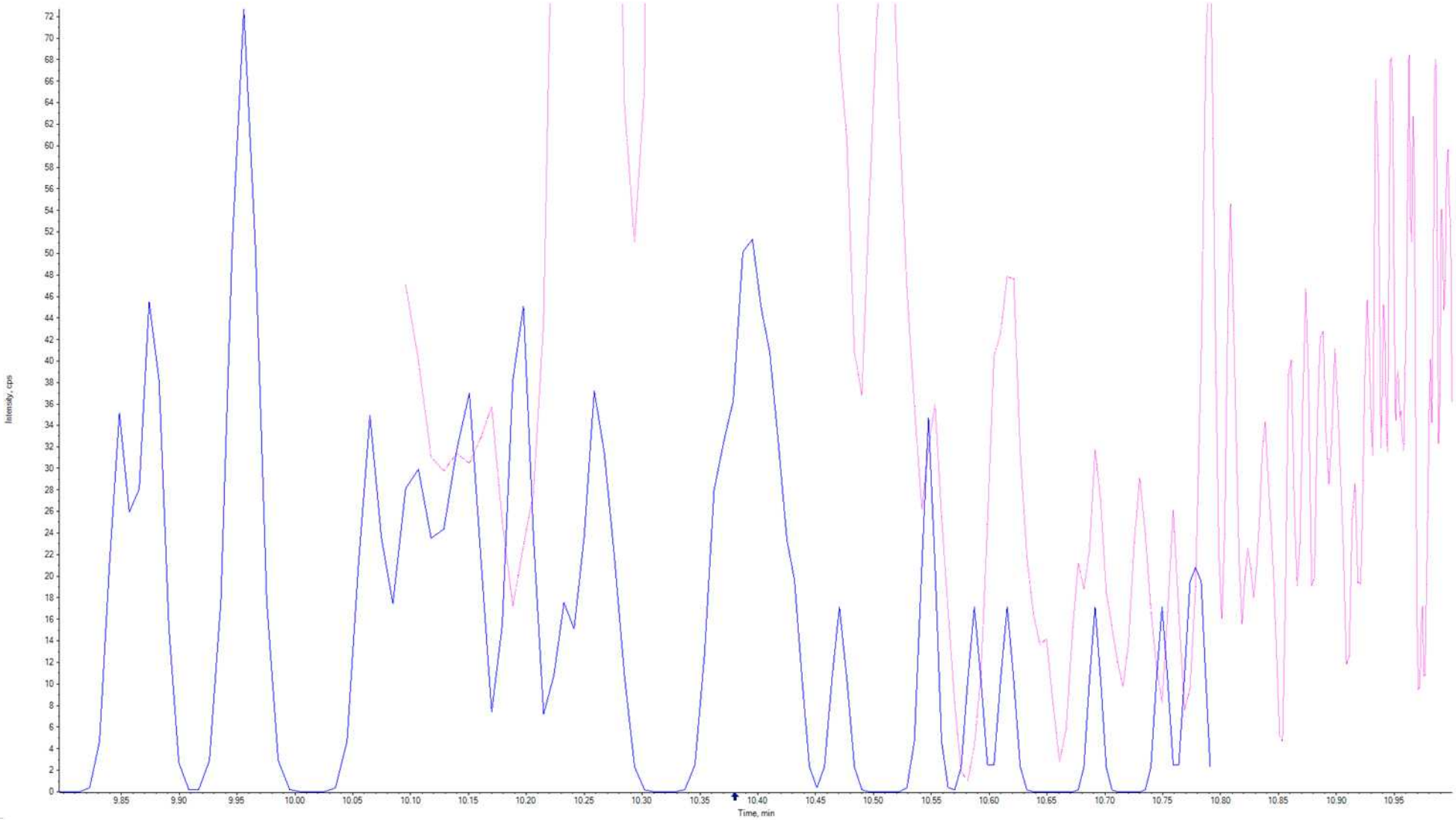

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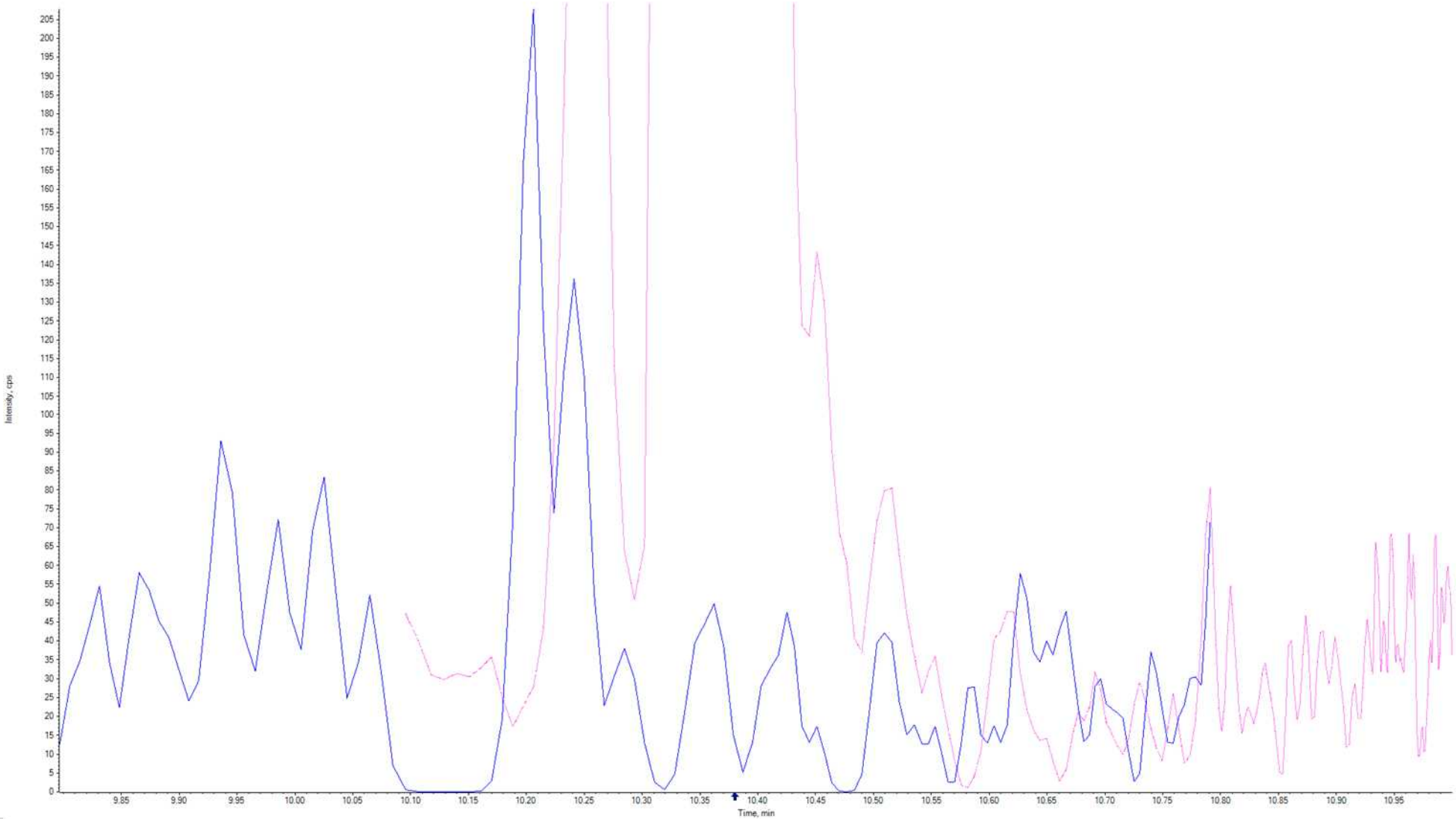

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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NMeFOSAA
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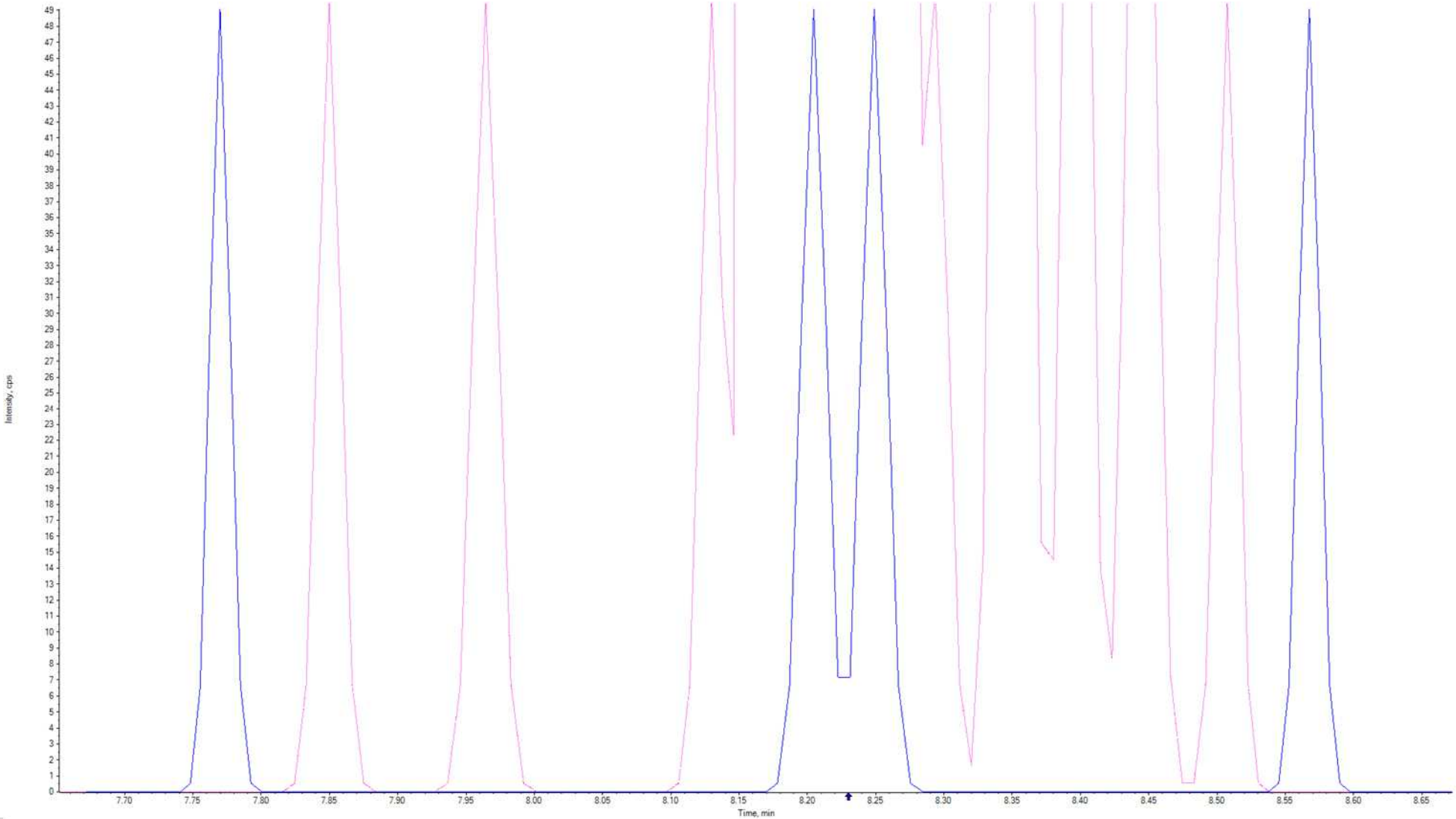

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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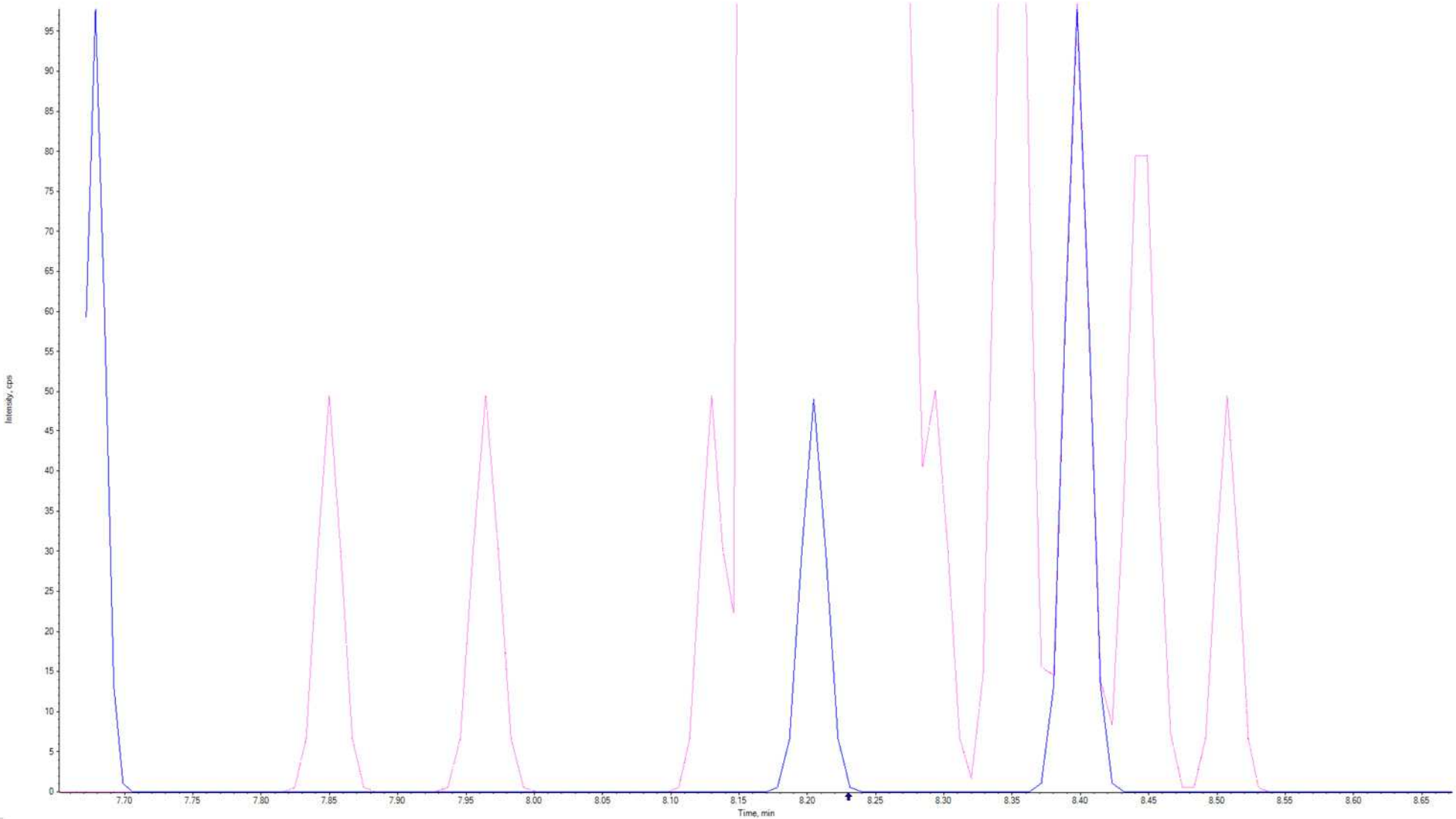
NMeFOSAA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



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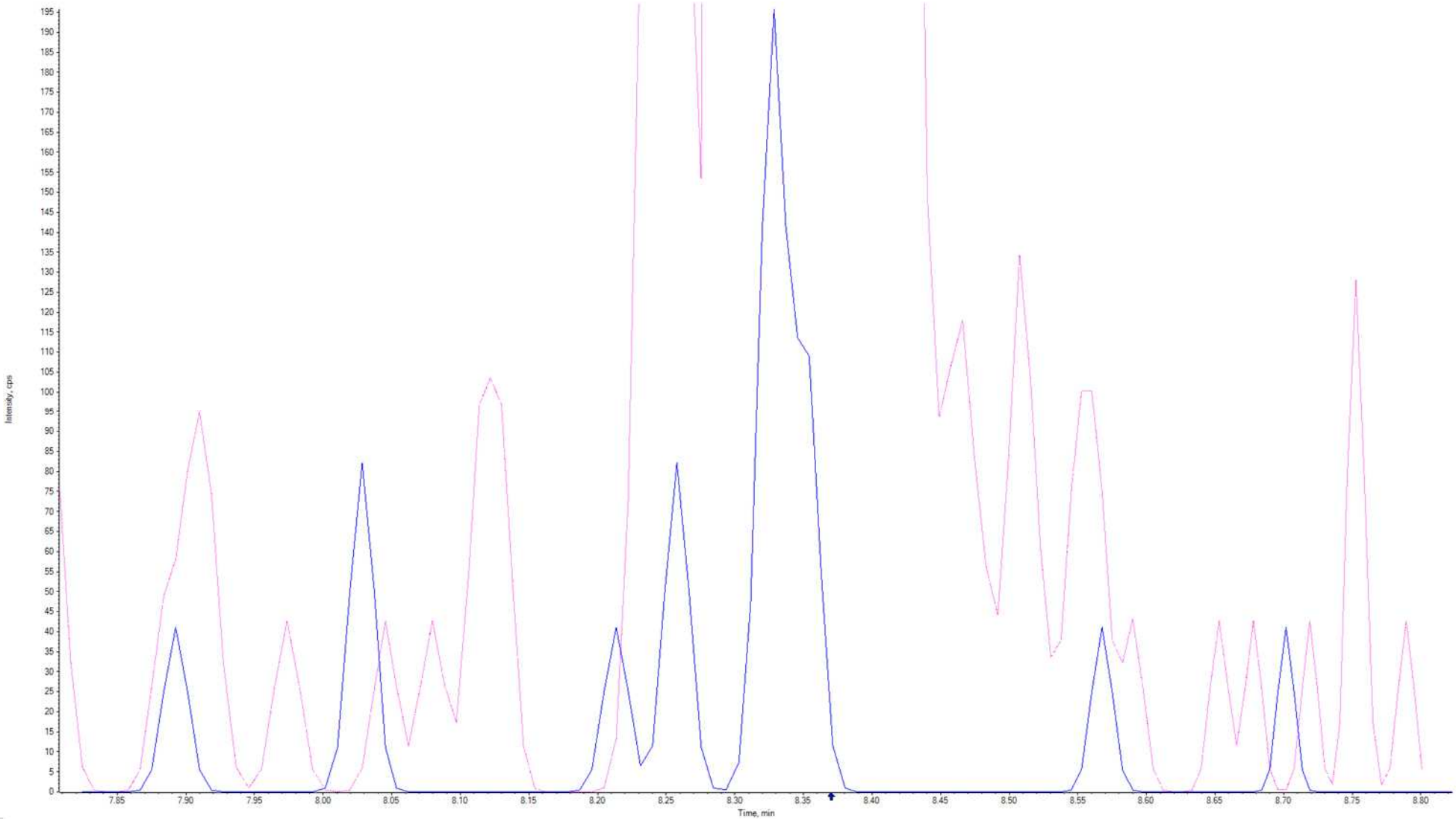

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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NEtFOSAA_2
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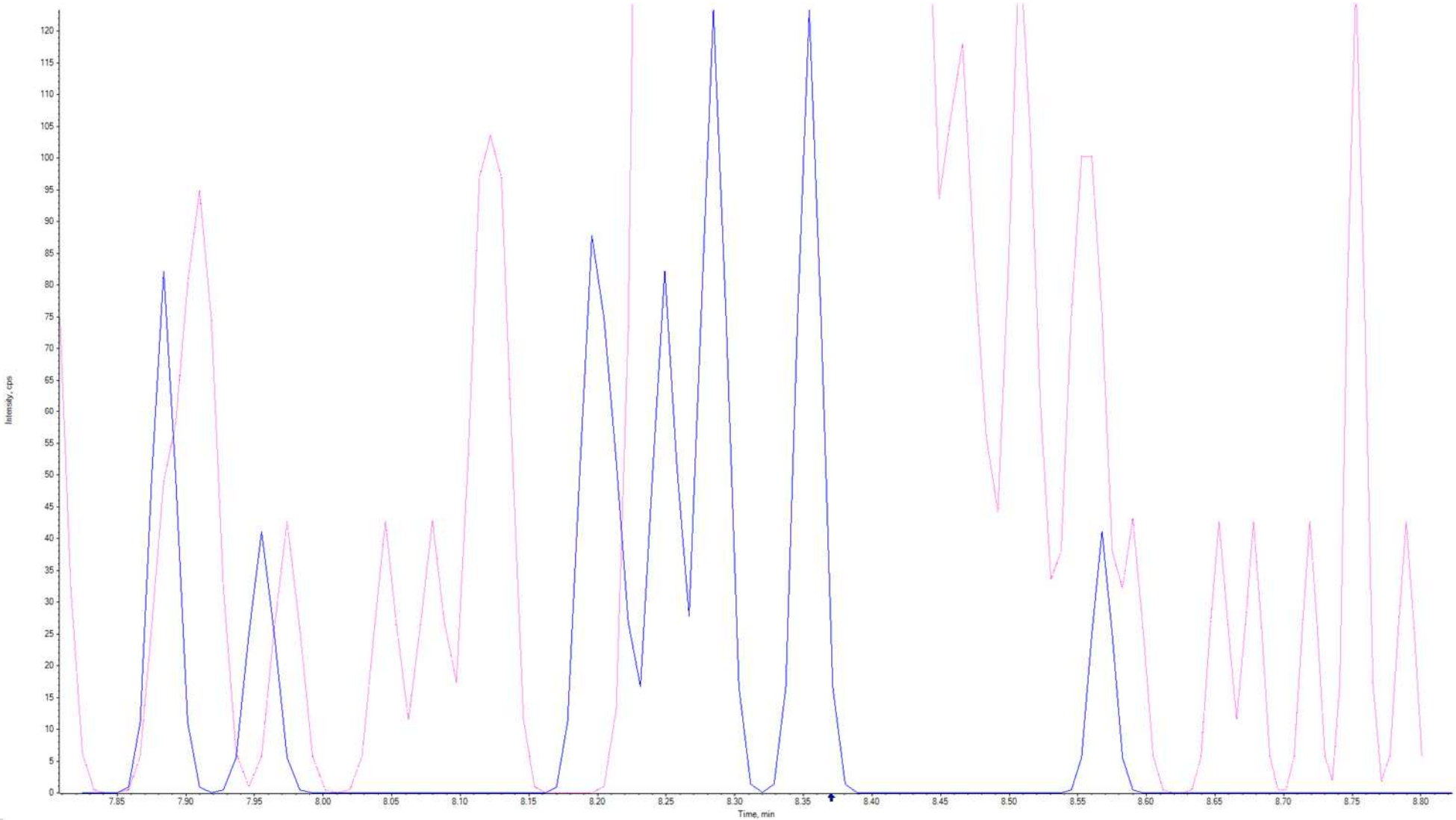

NMeFOSE
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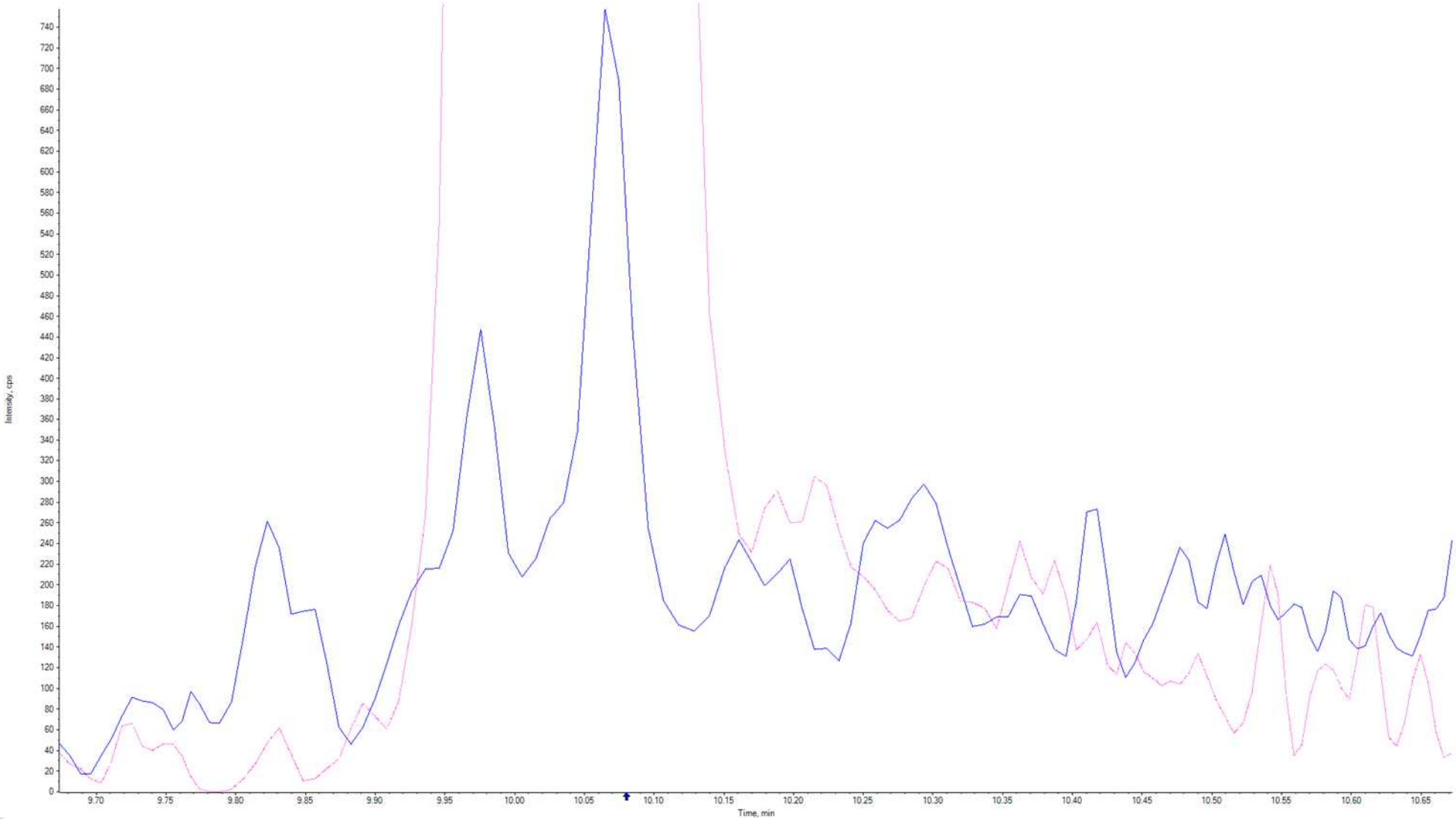

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
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NEtFOSE
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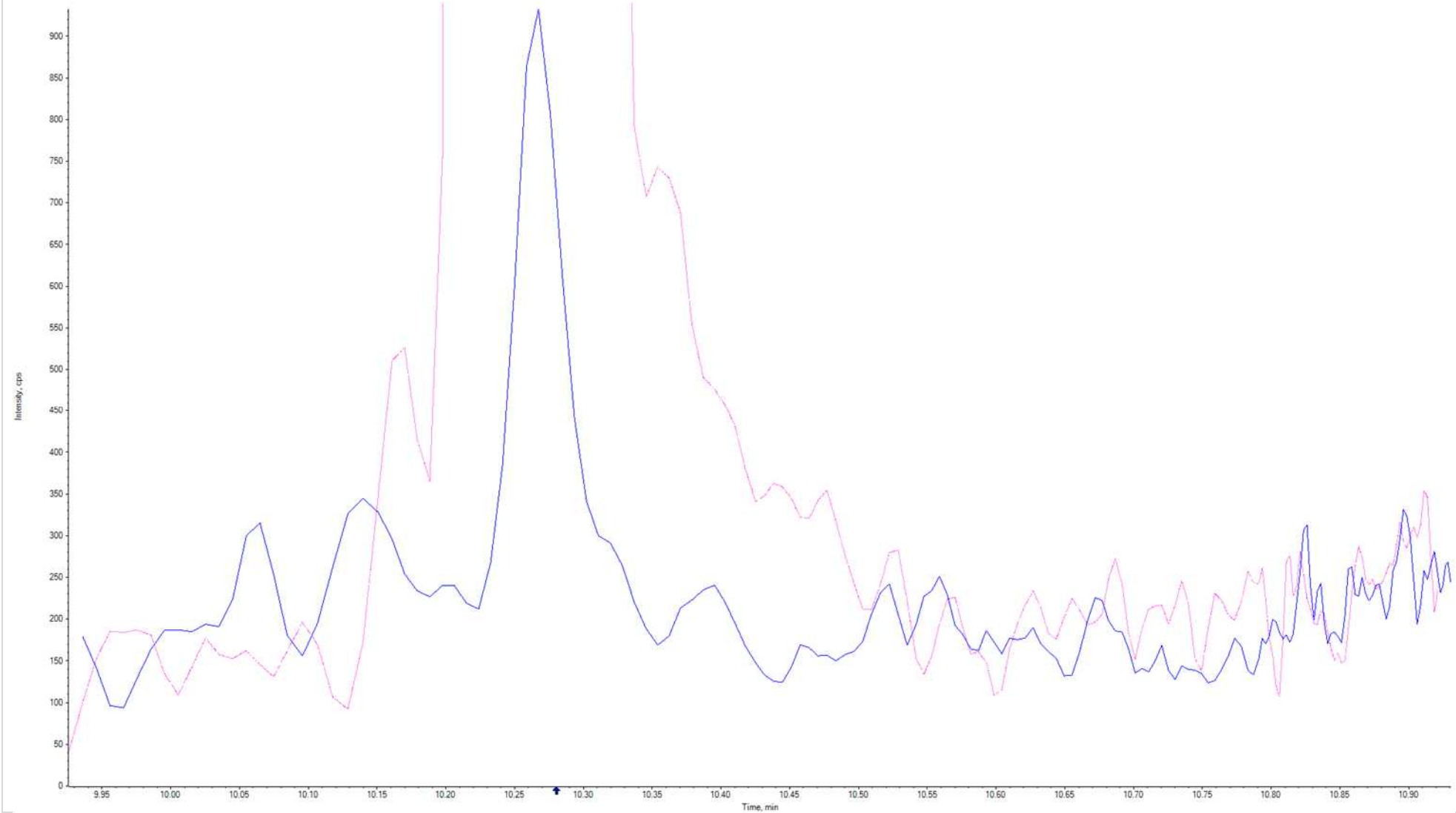

HFPO-DA
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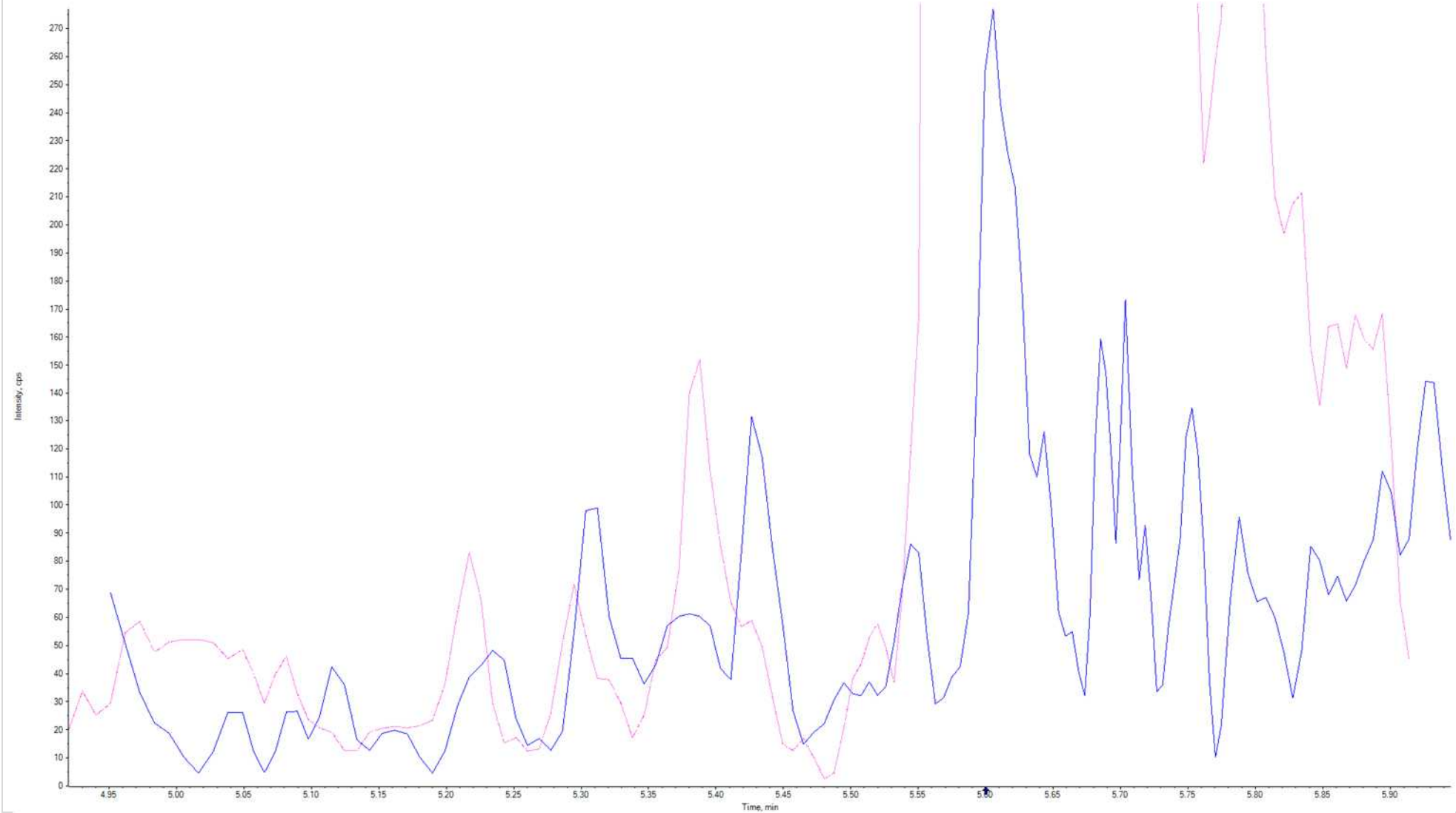

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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HFPO-DA_2
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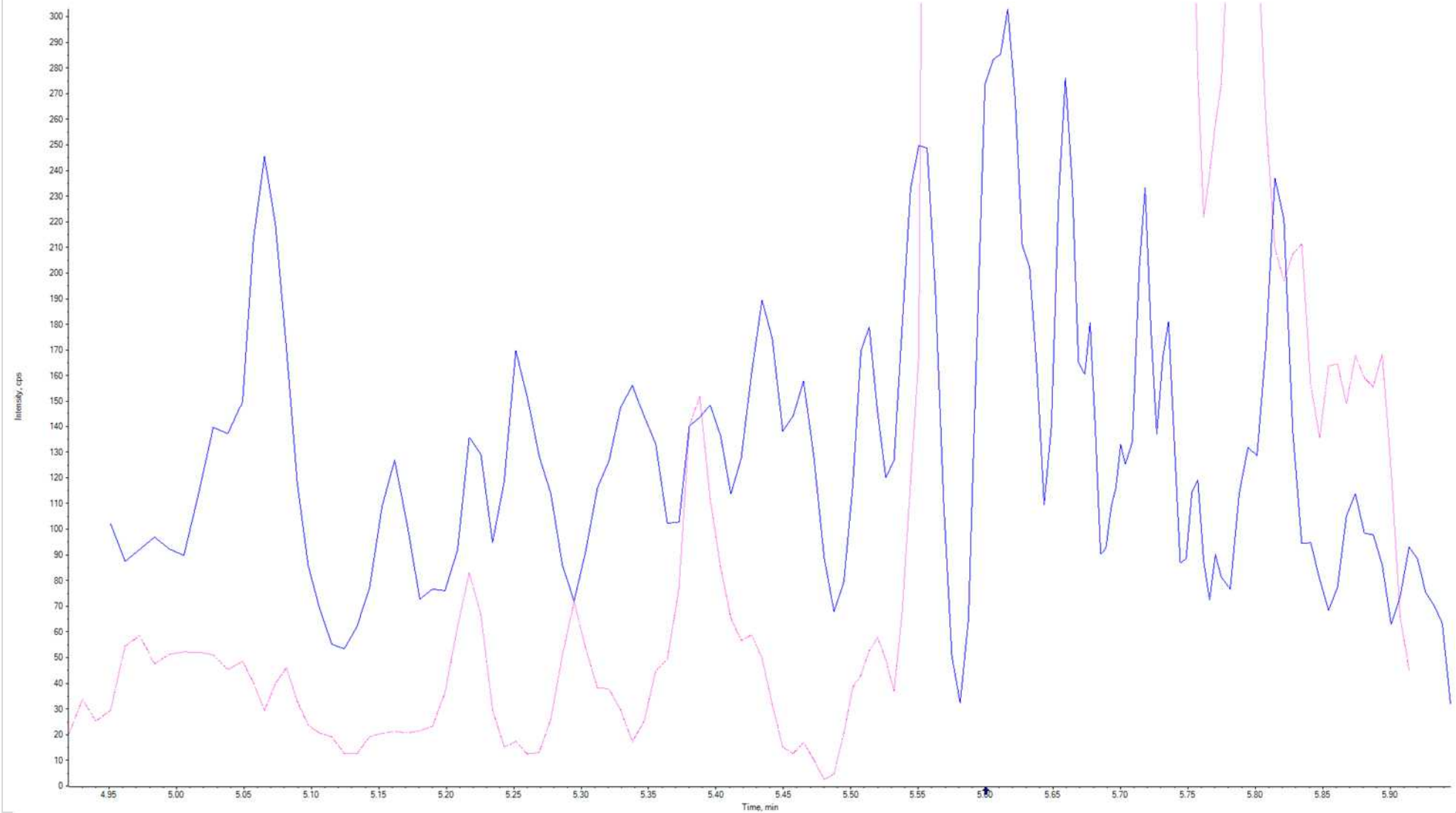

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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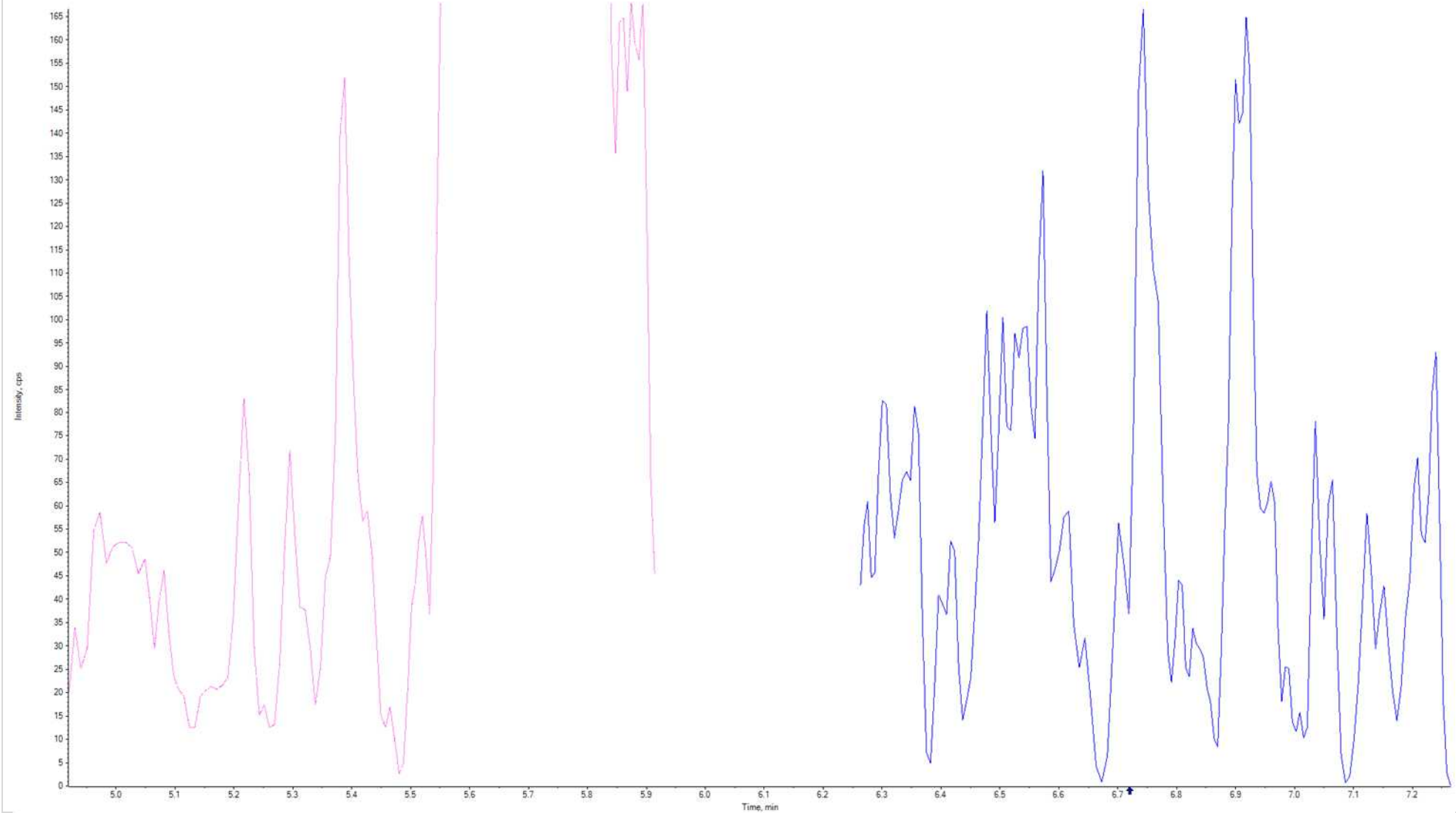
ADONA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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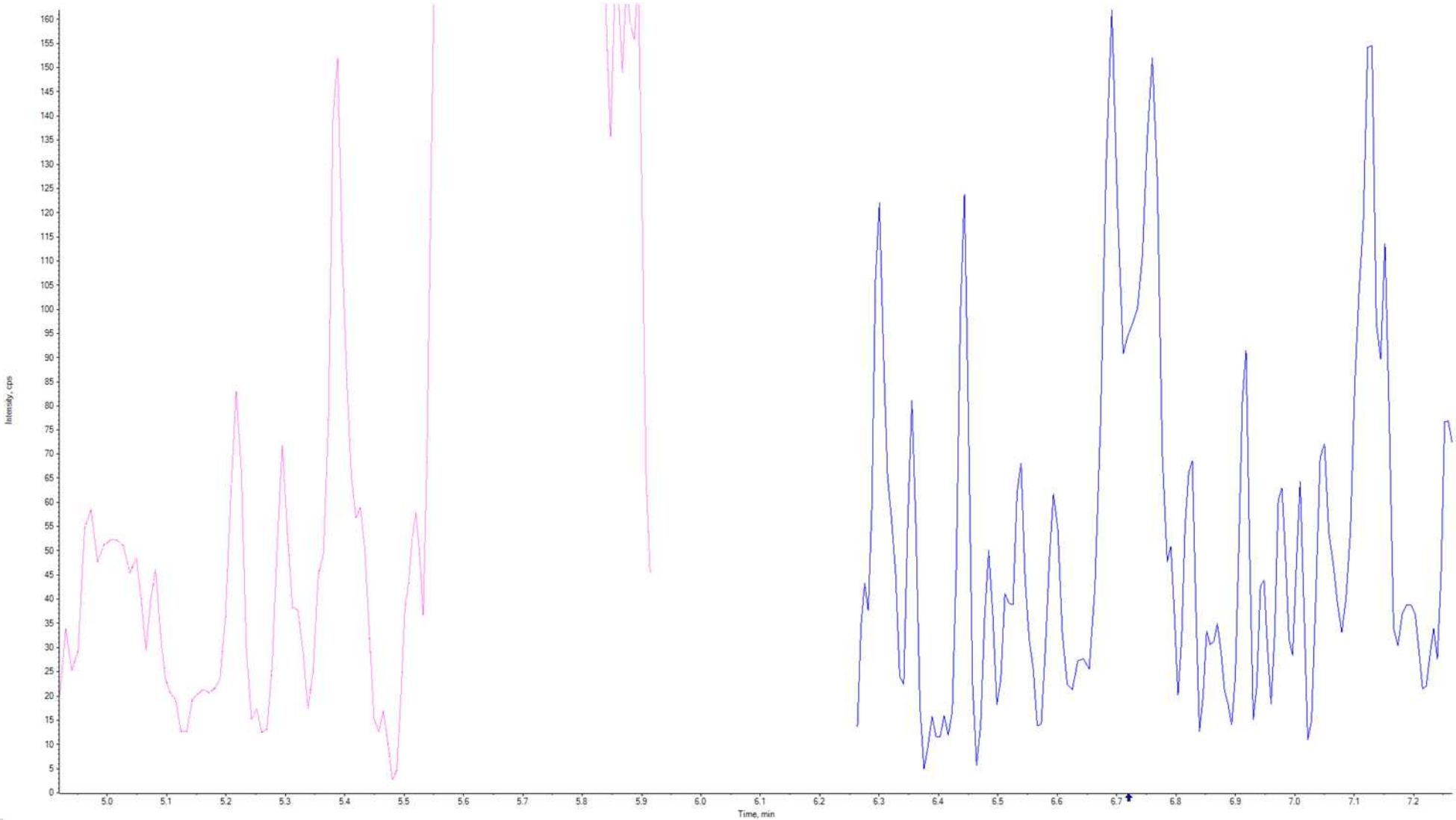
ADONA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS
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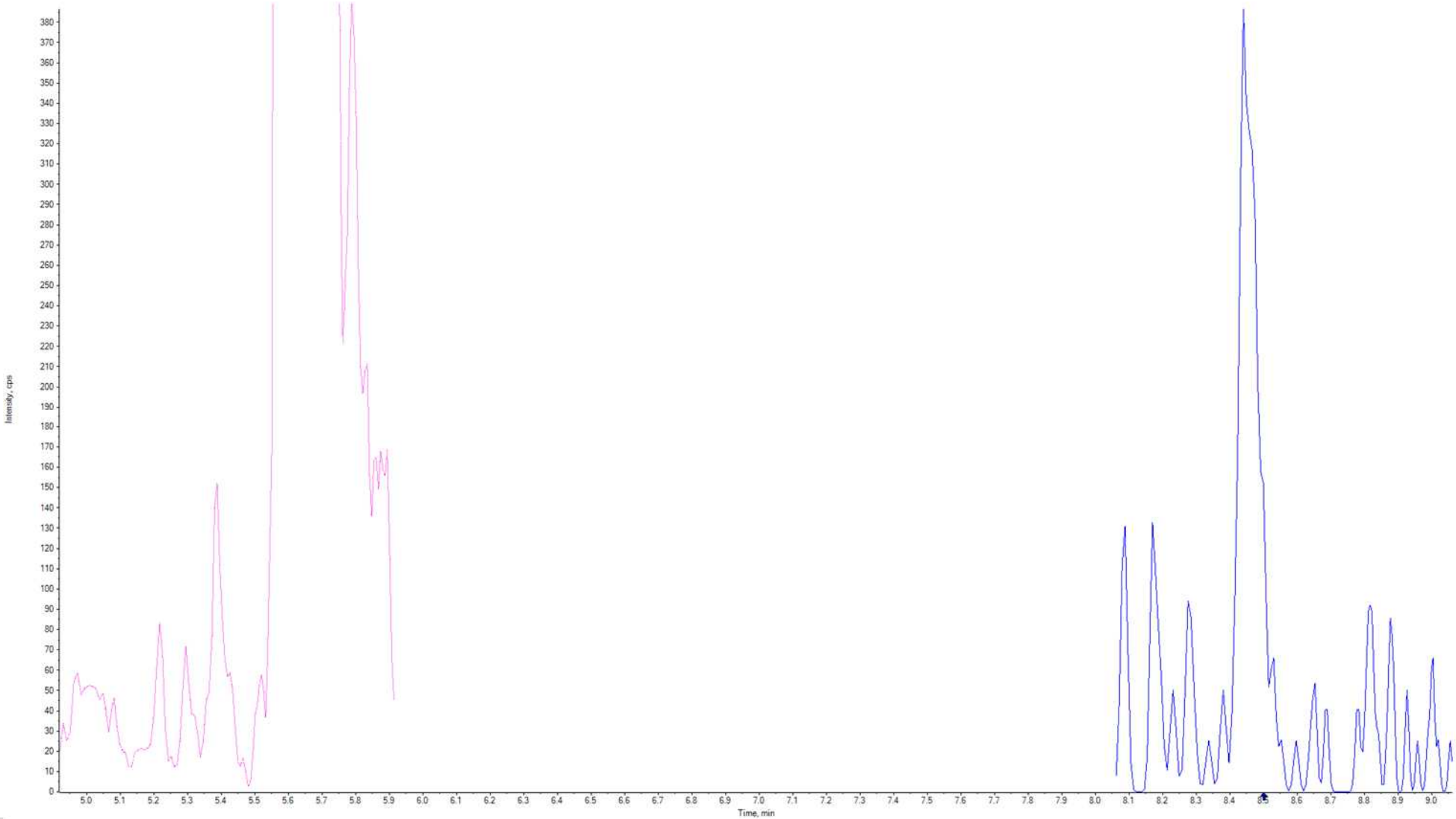

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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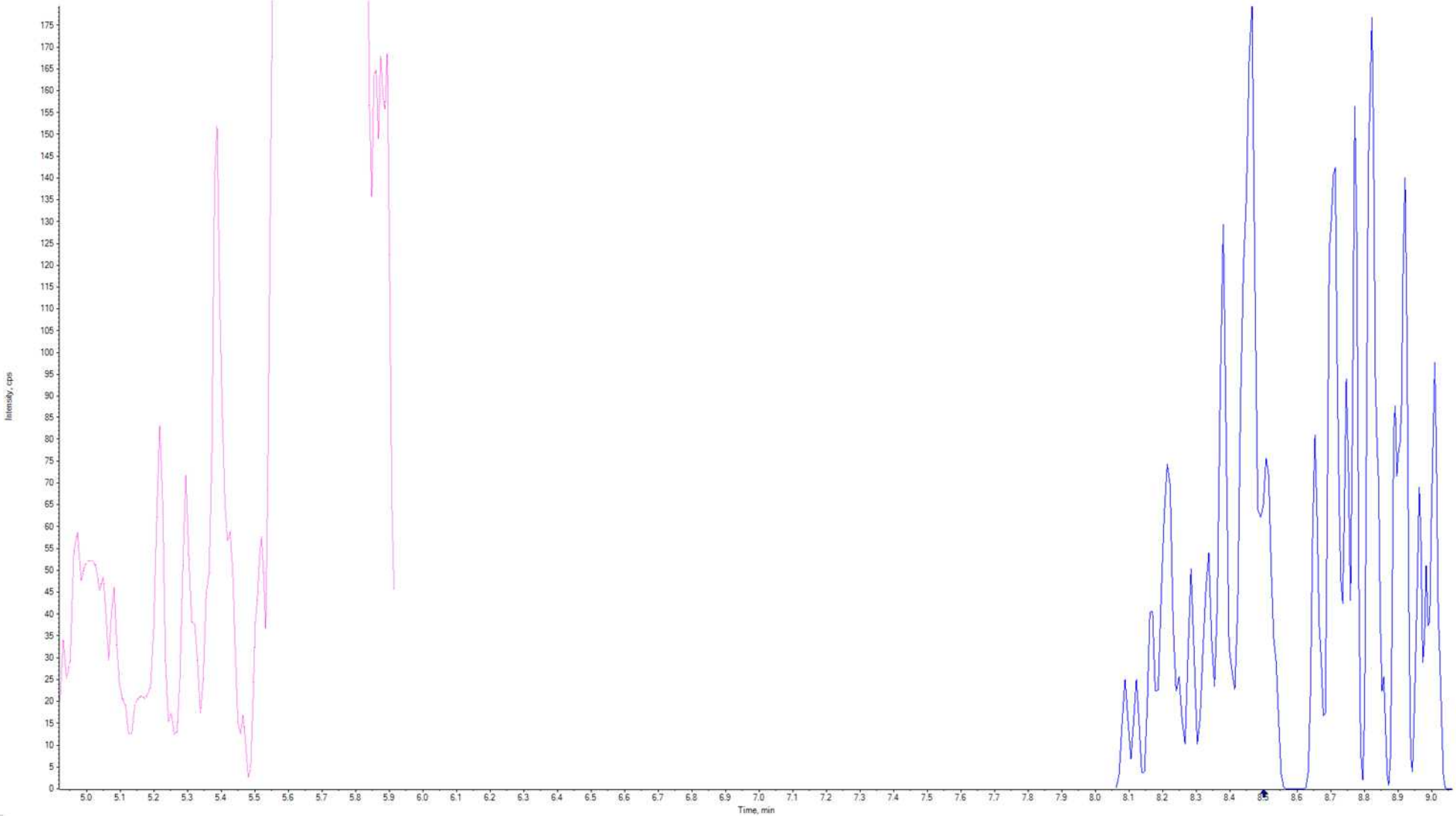
9Cl-PF3ONS_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
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11Cl-PF3OUdS_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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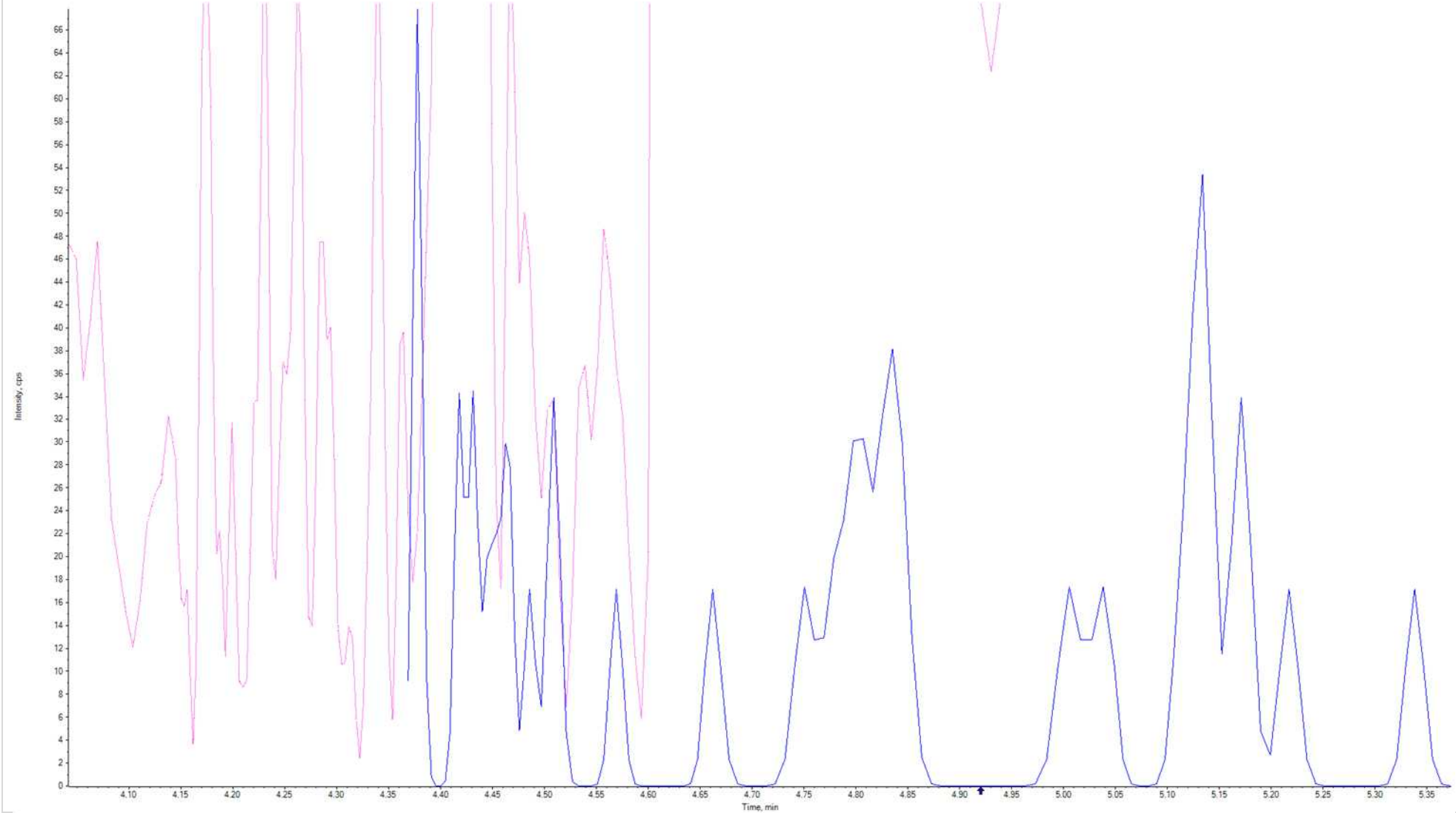
3:3FTCA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 1:57:23 PM
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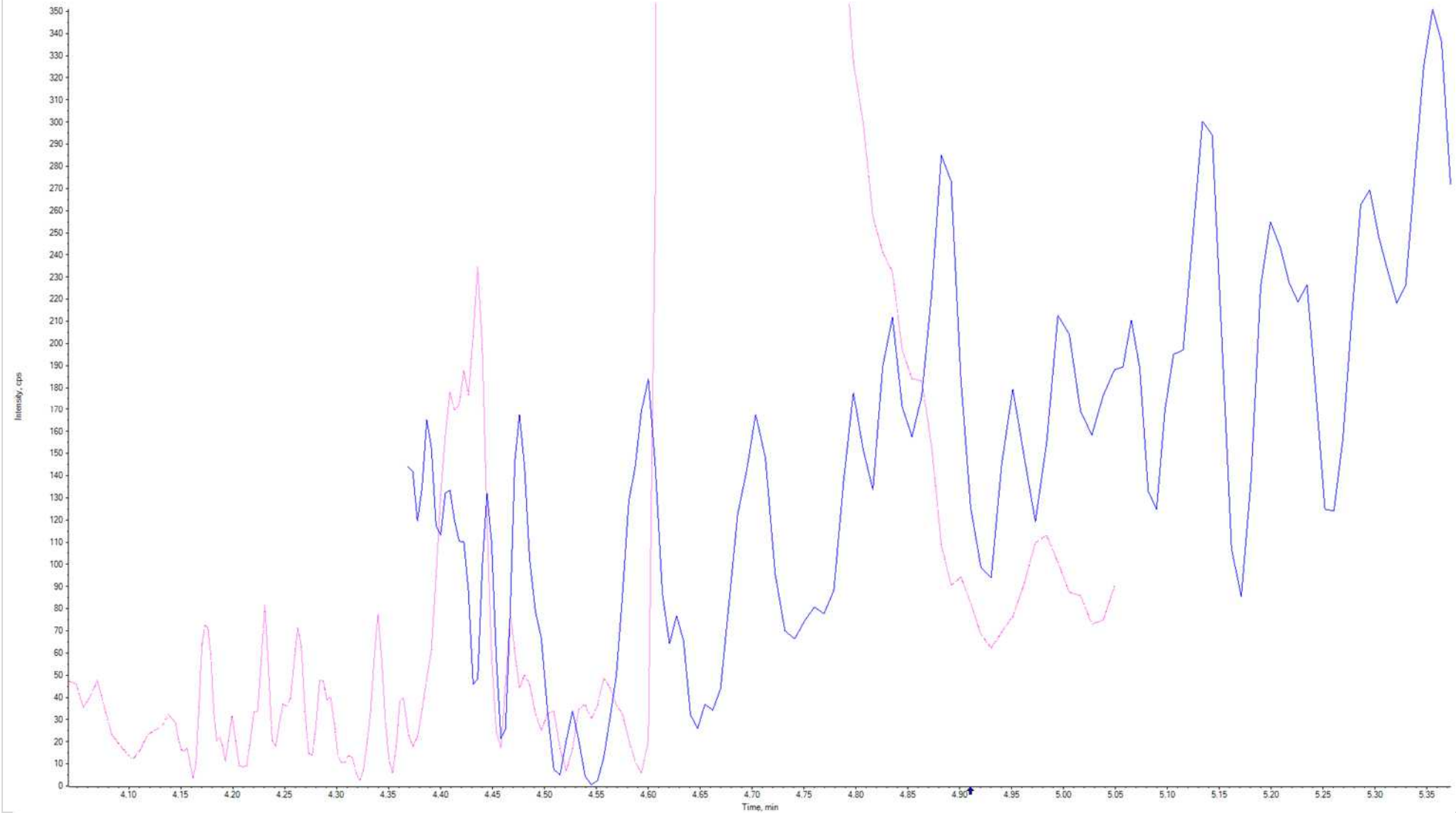
3:3FTCA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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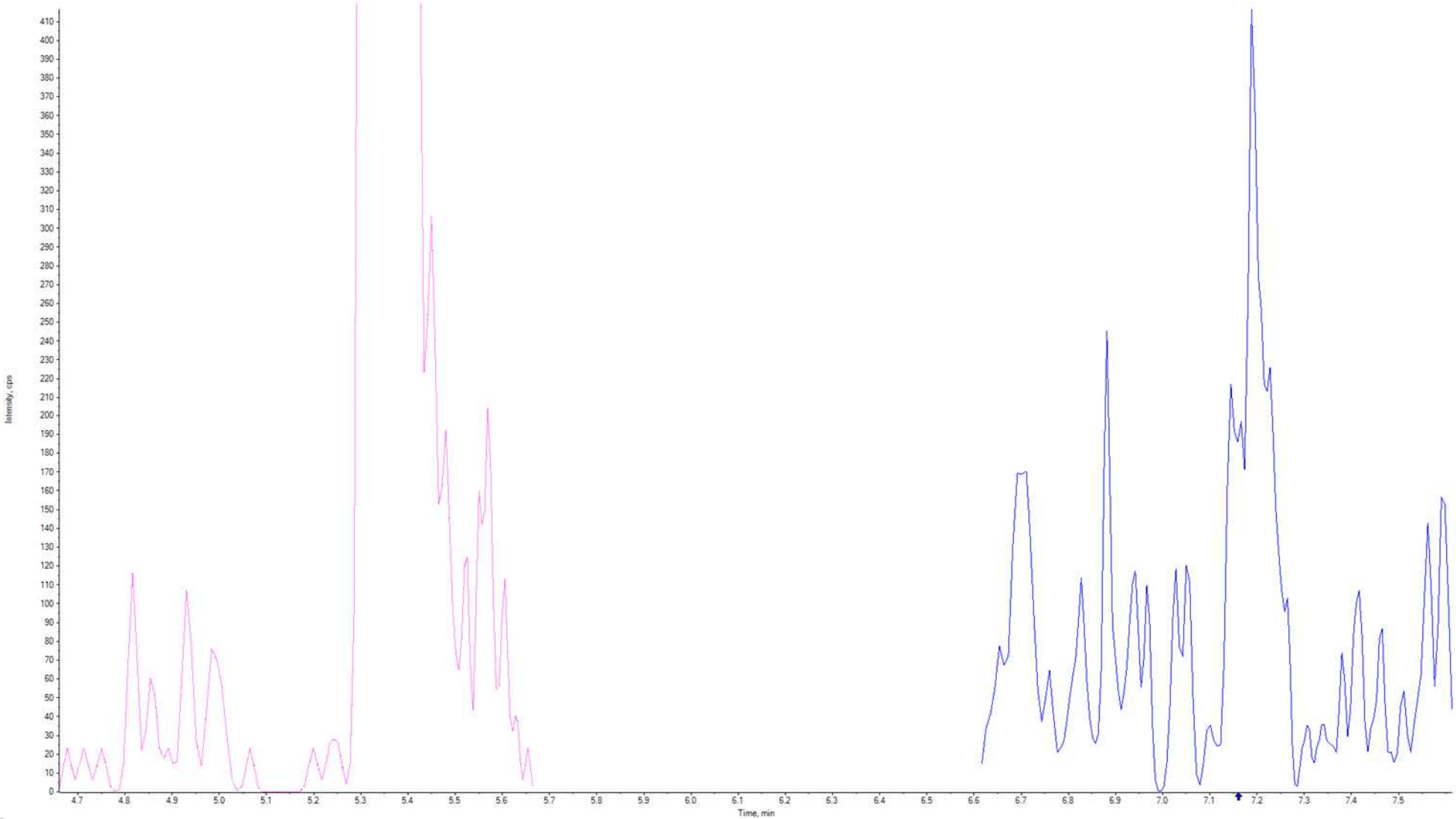
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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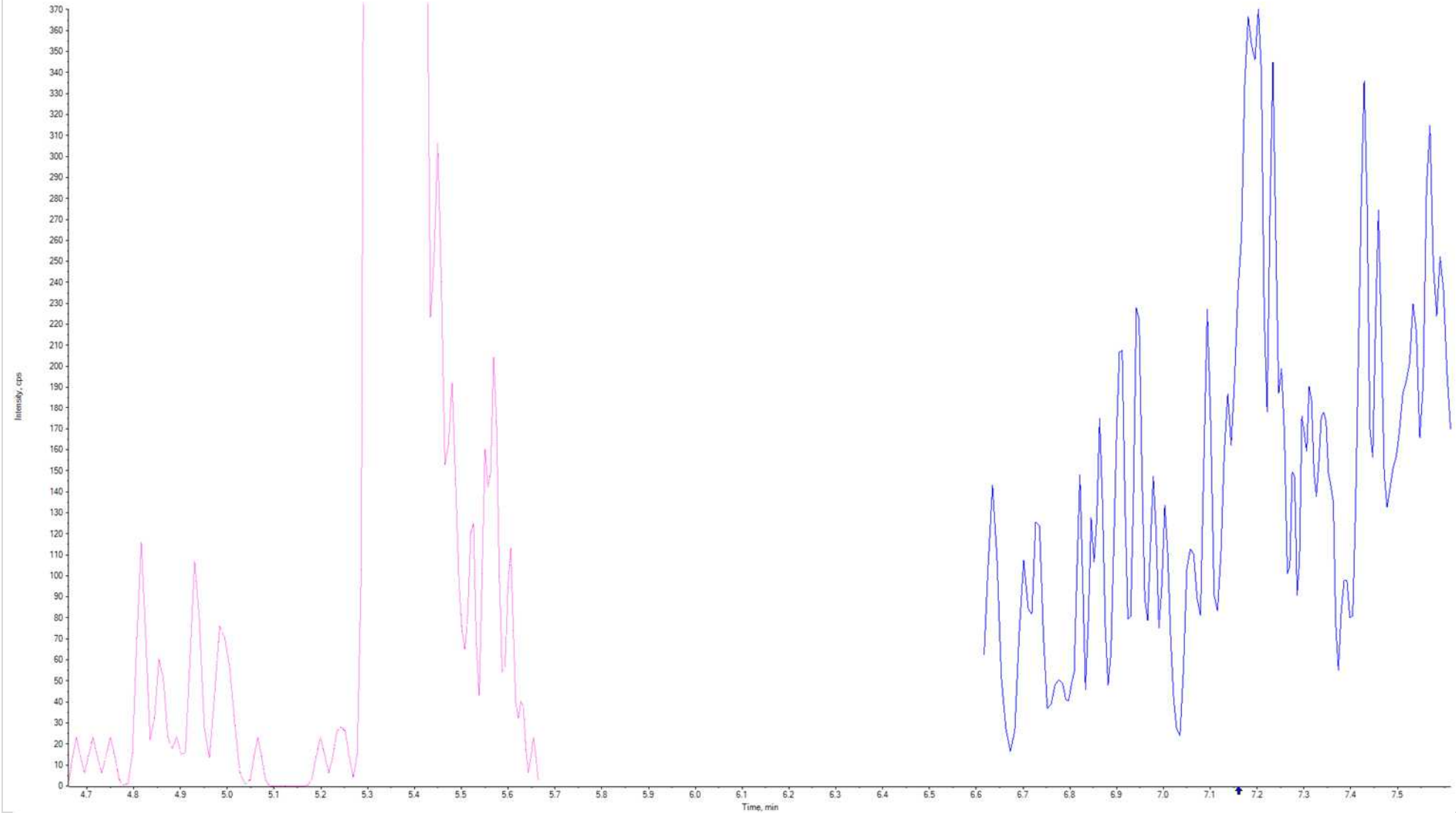
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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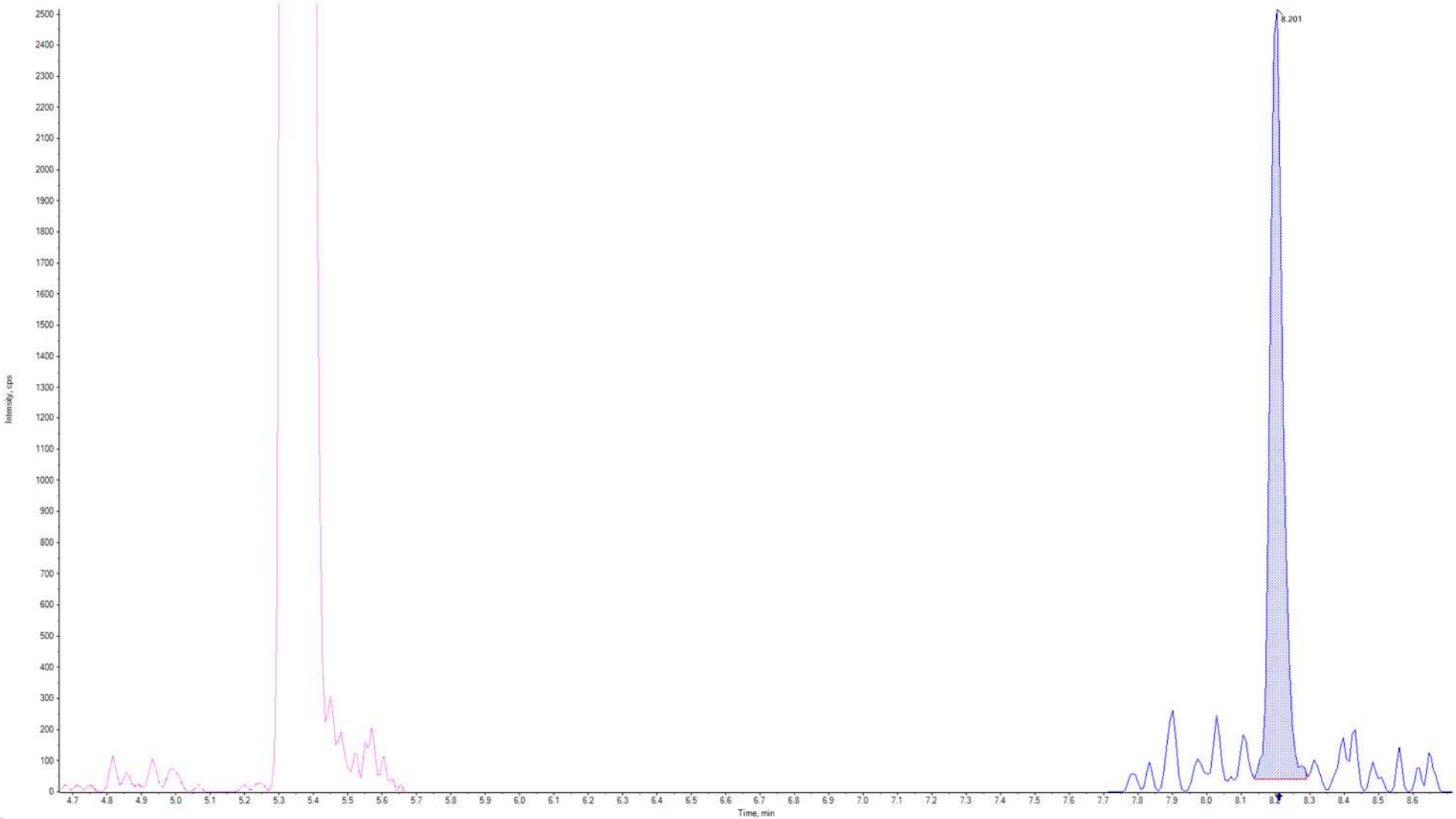
7:3FTCA
Sample: L2447890-11 S/N:79.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA_2
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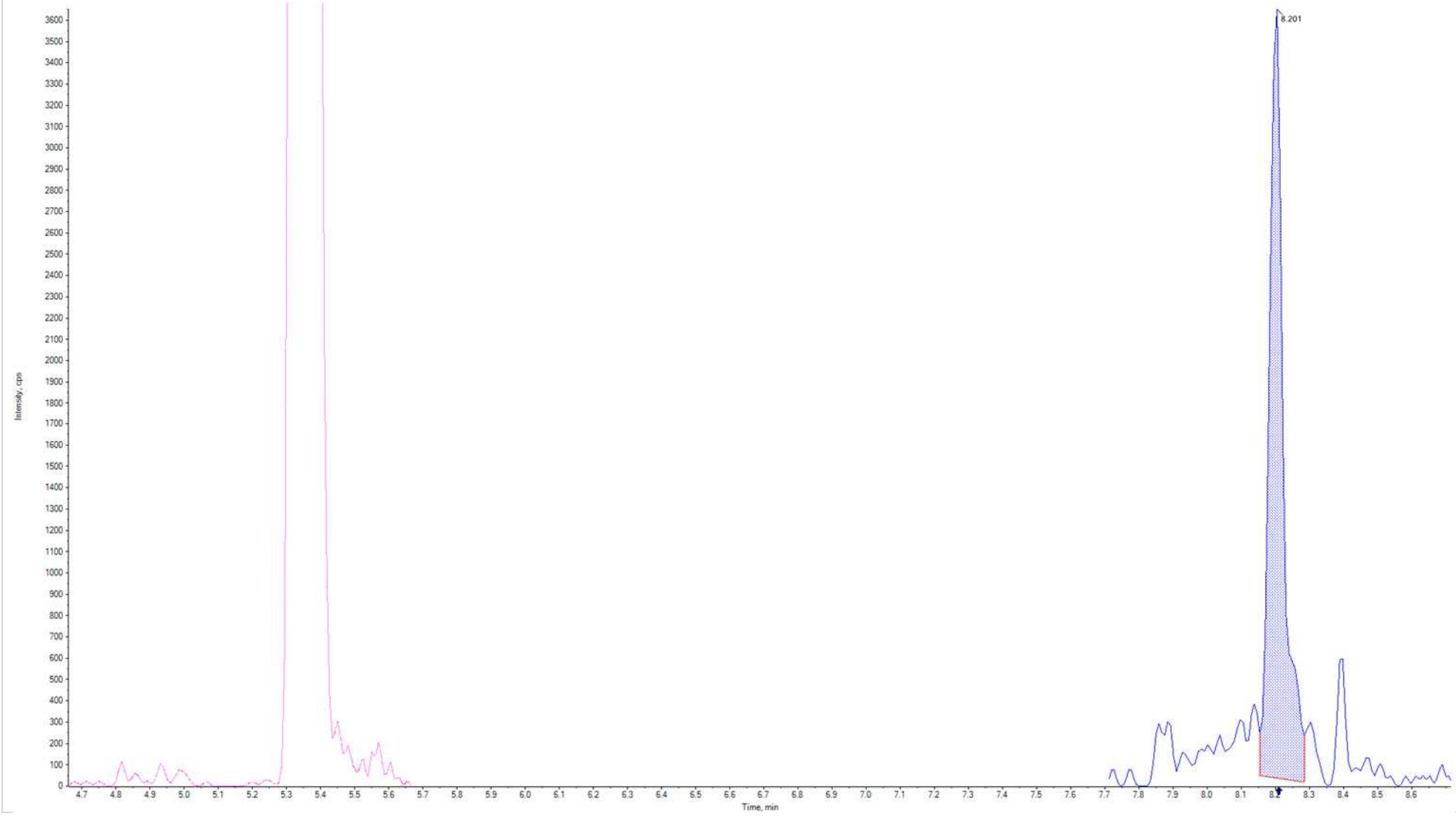
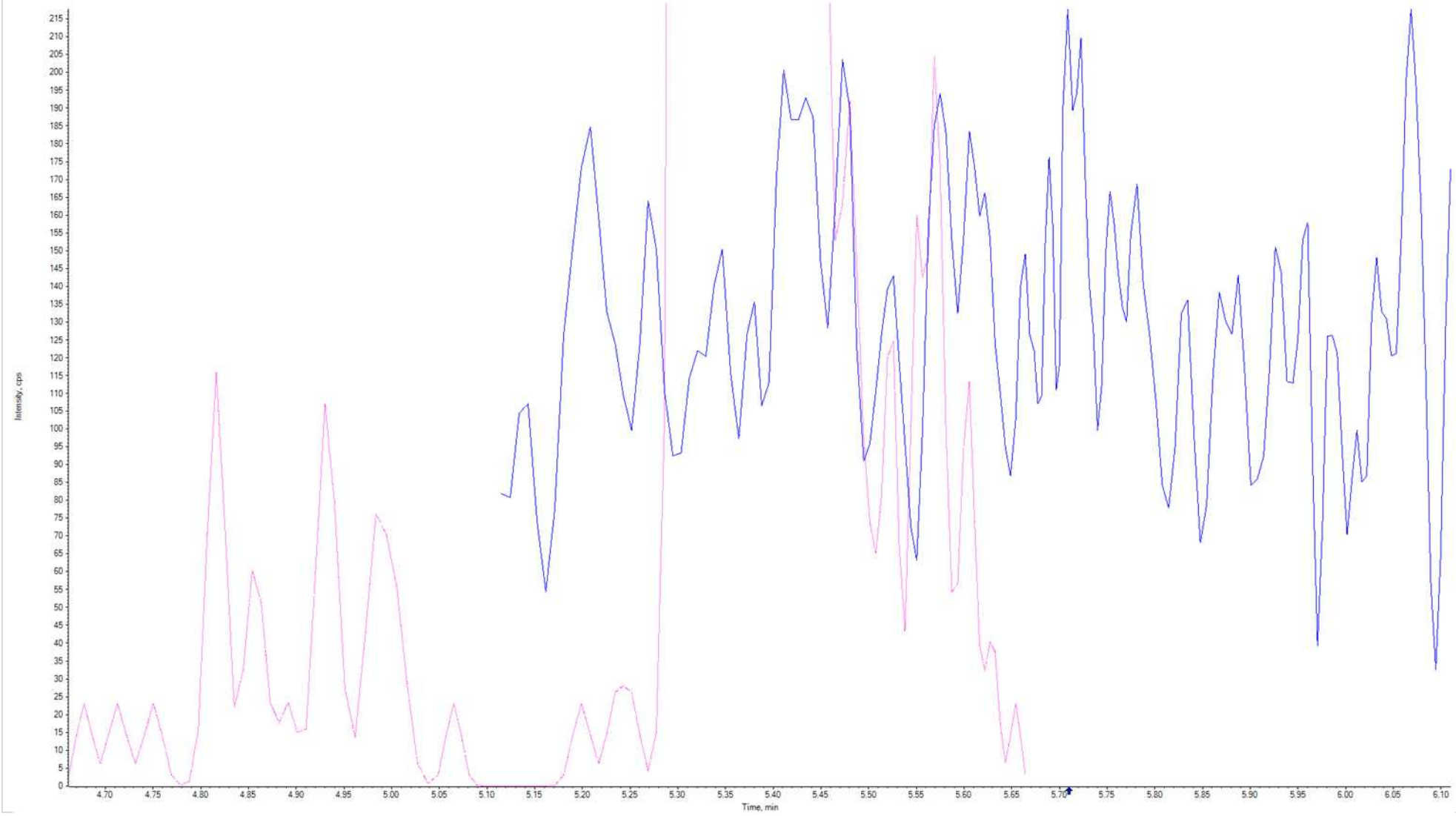


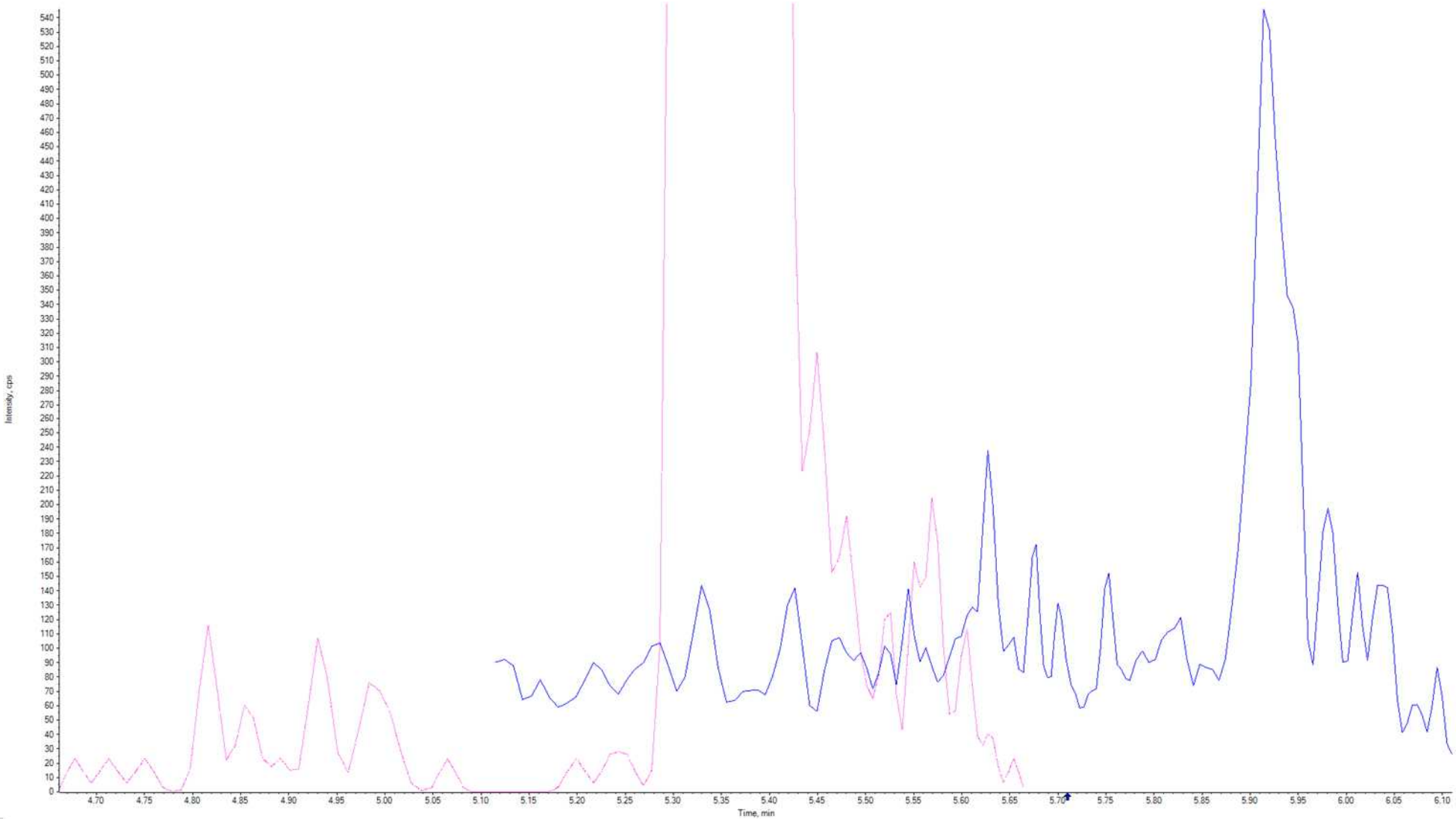
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
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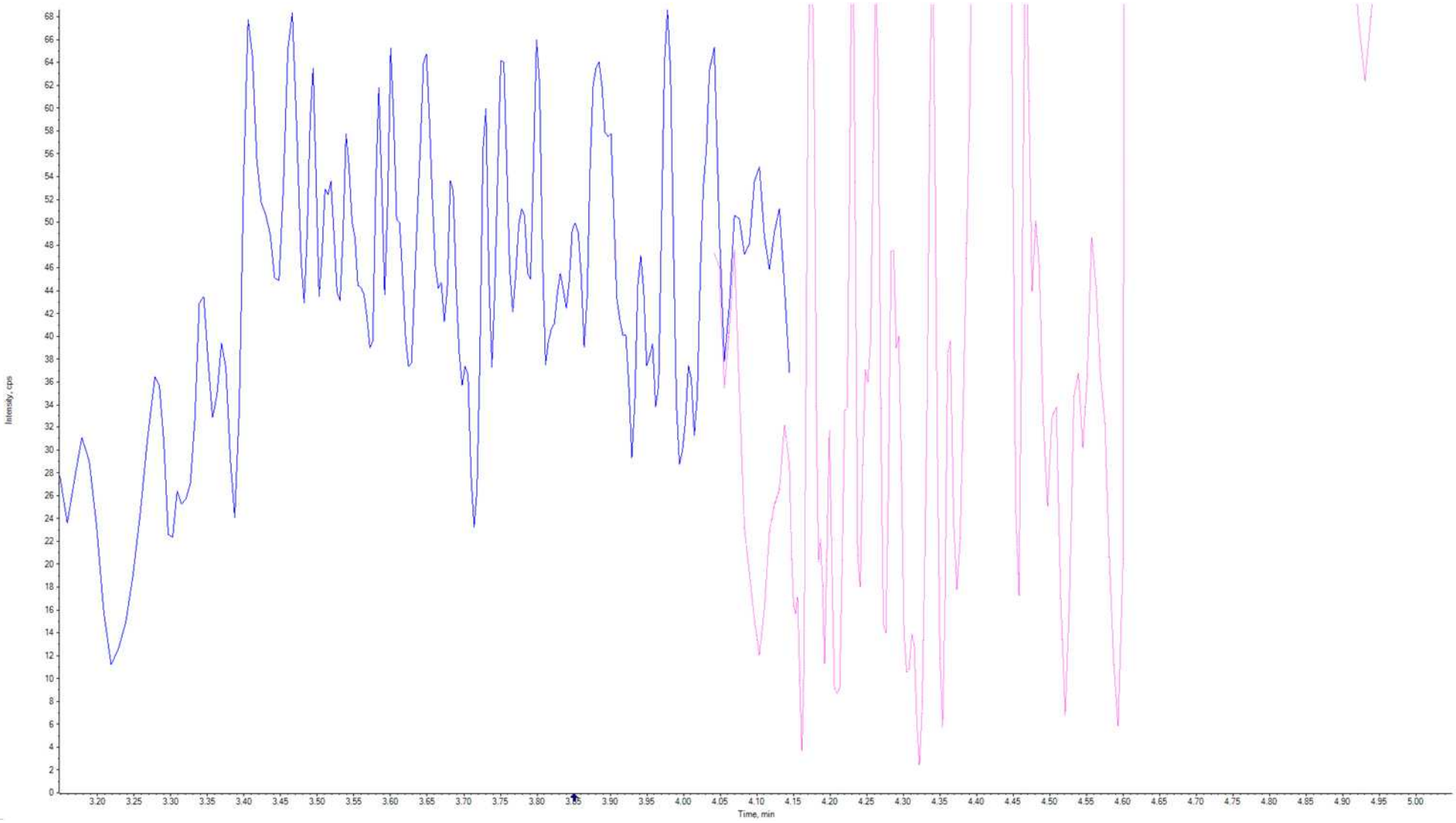
PFMPA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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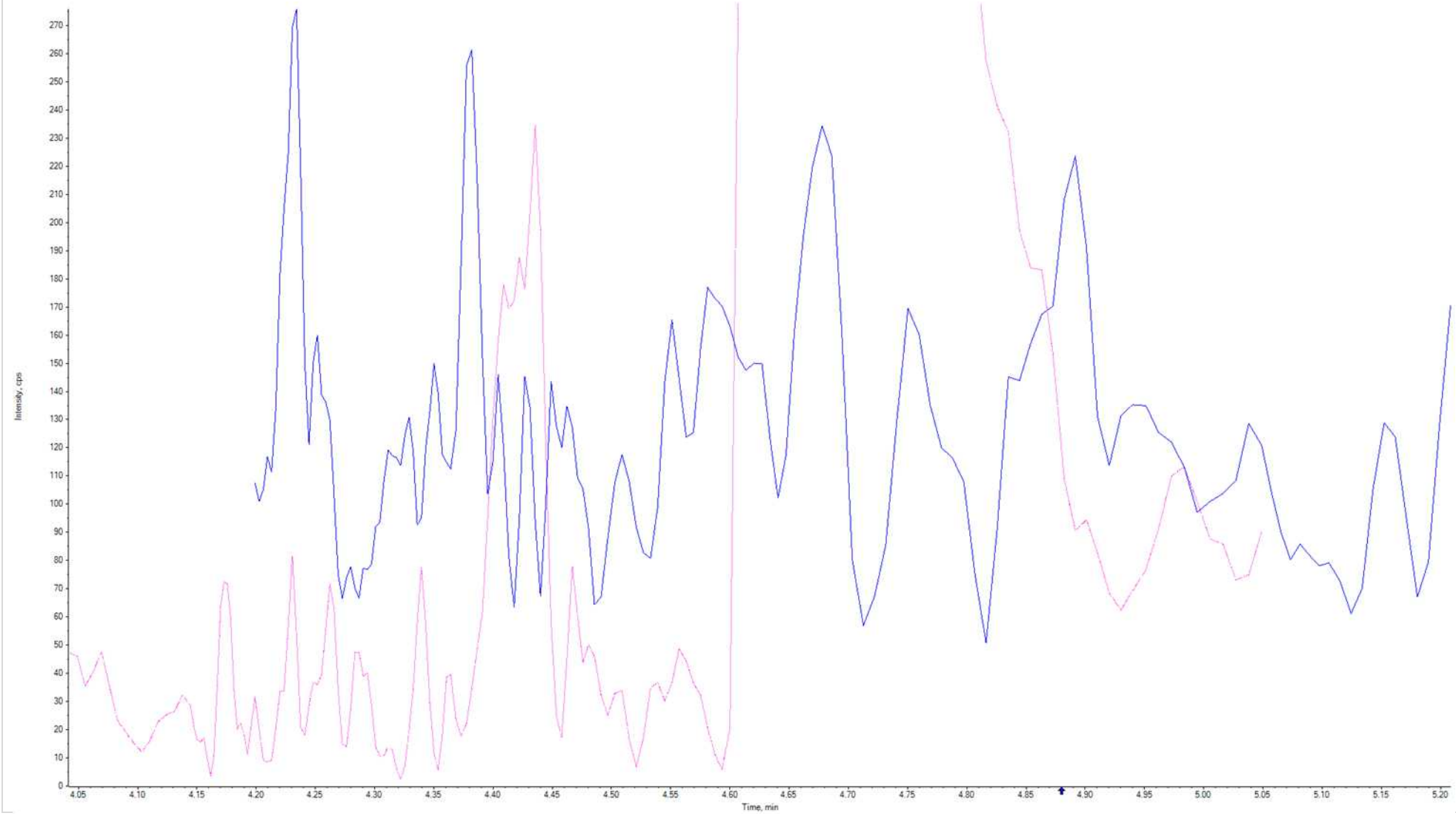
PFMBA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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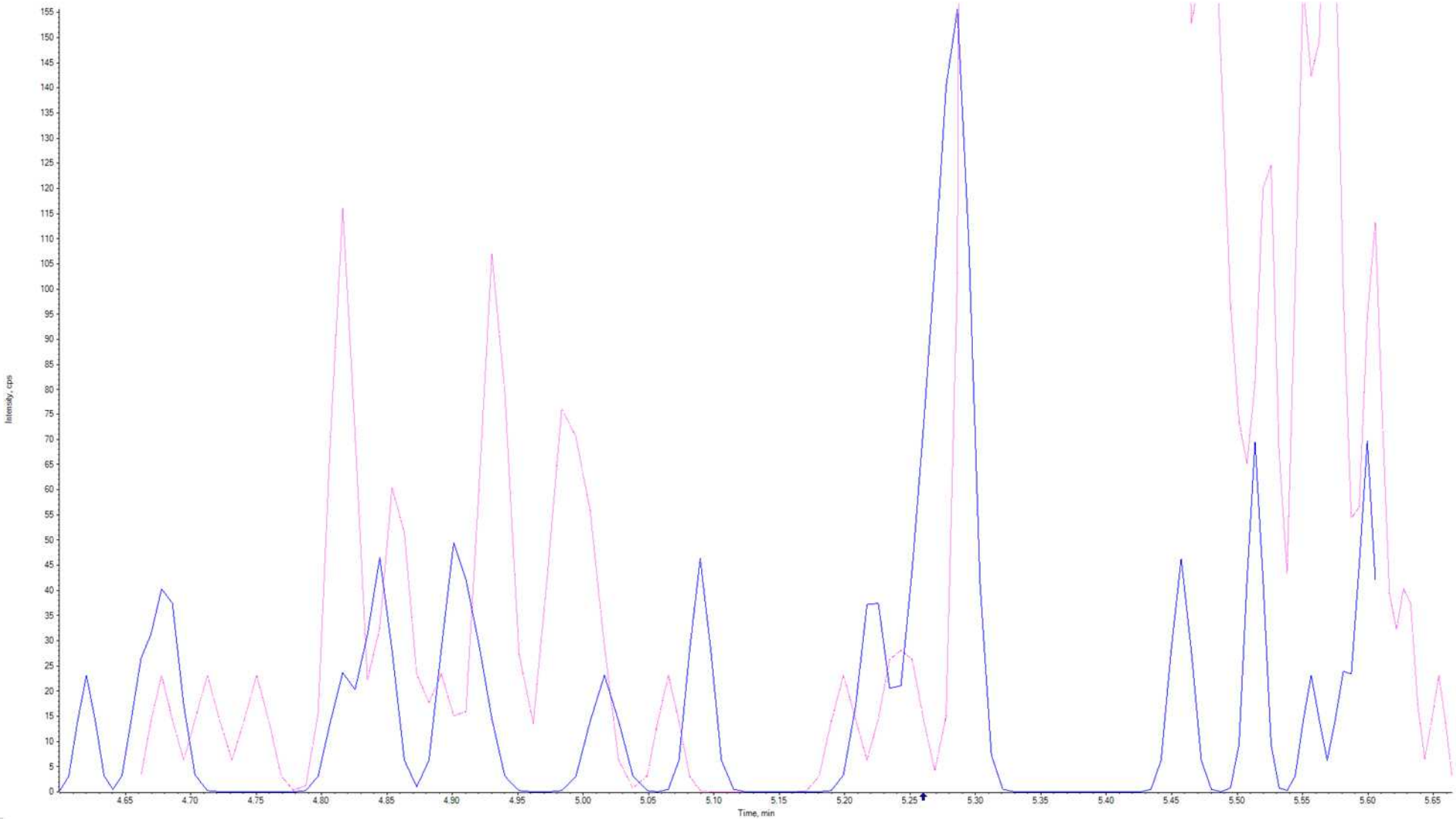
NFDHA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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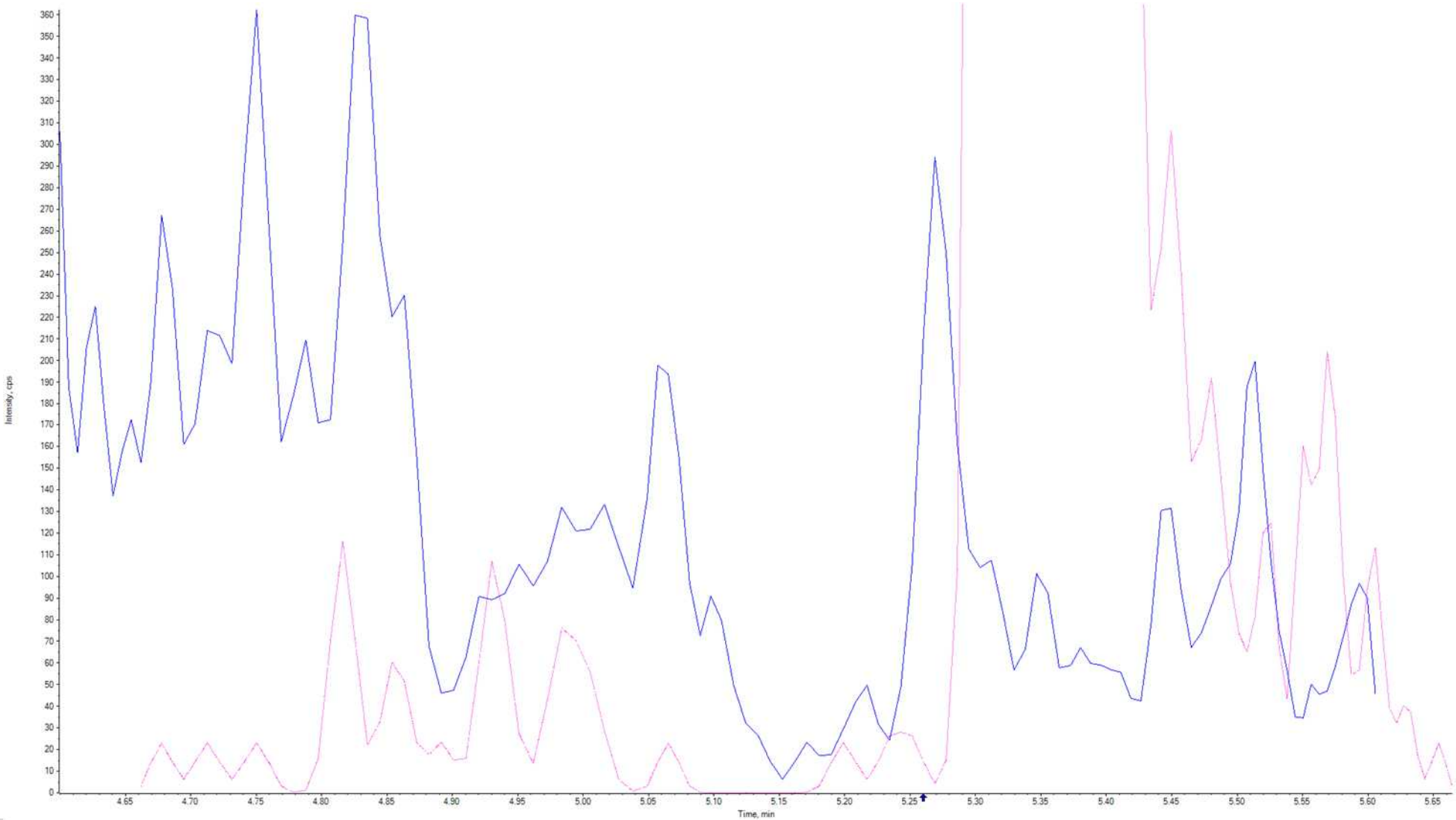
NFDHA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 1:57:23 PM
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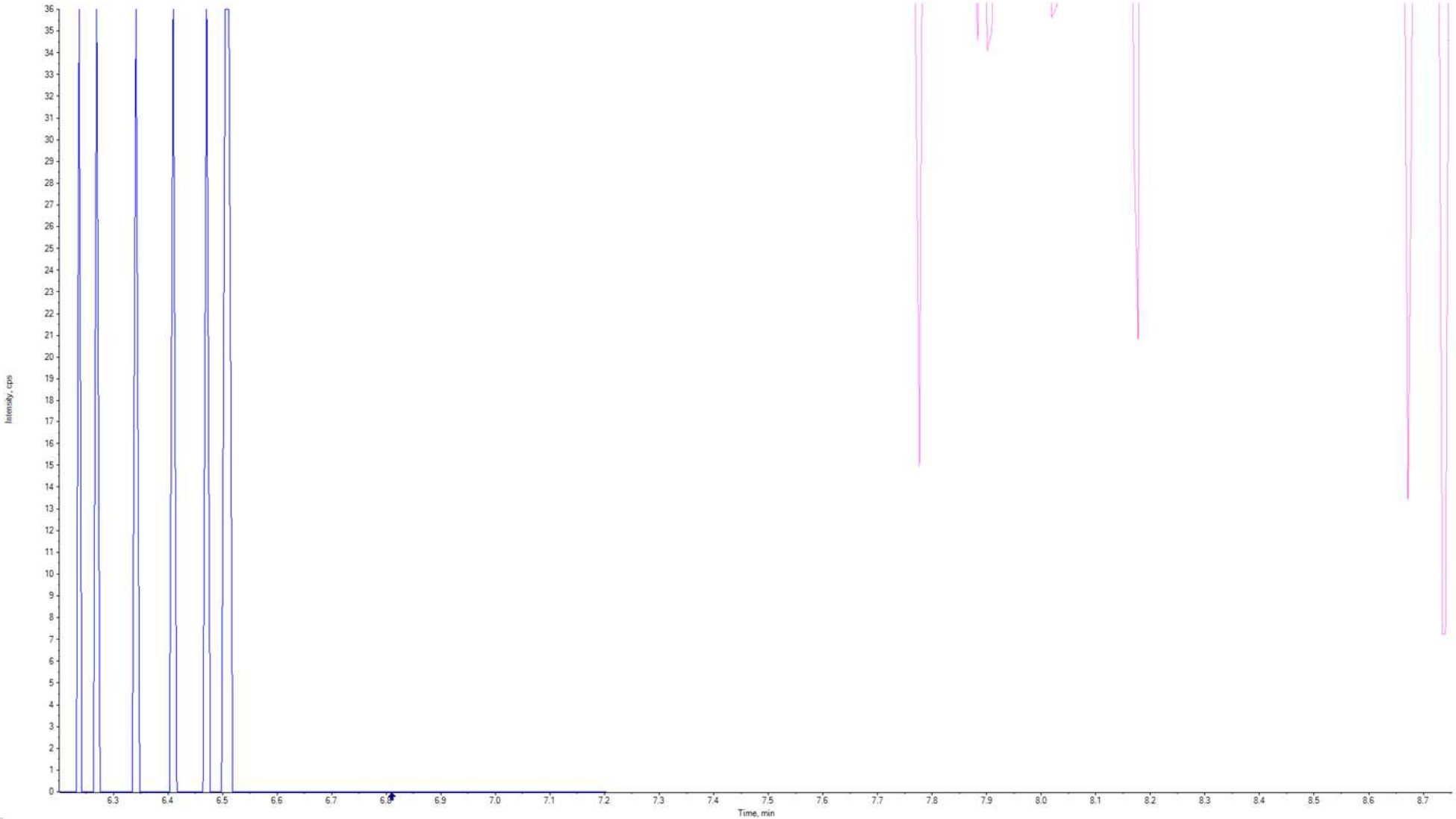
TDCA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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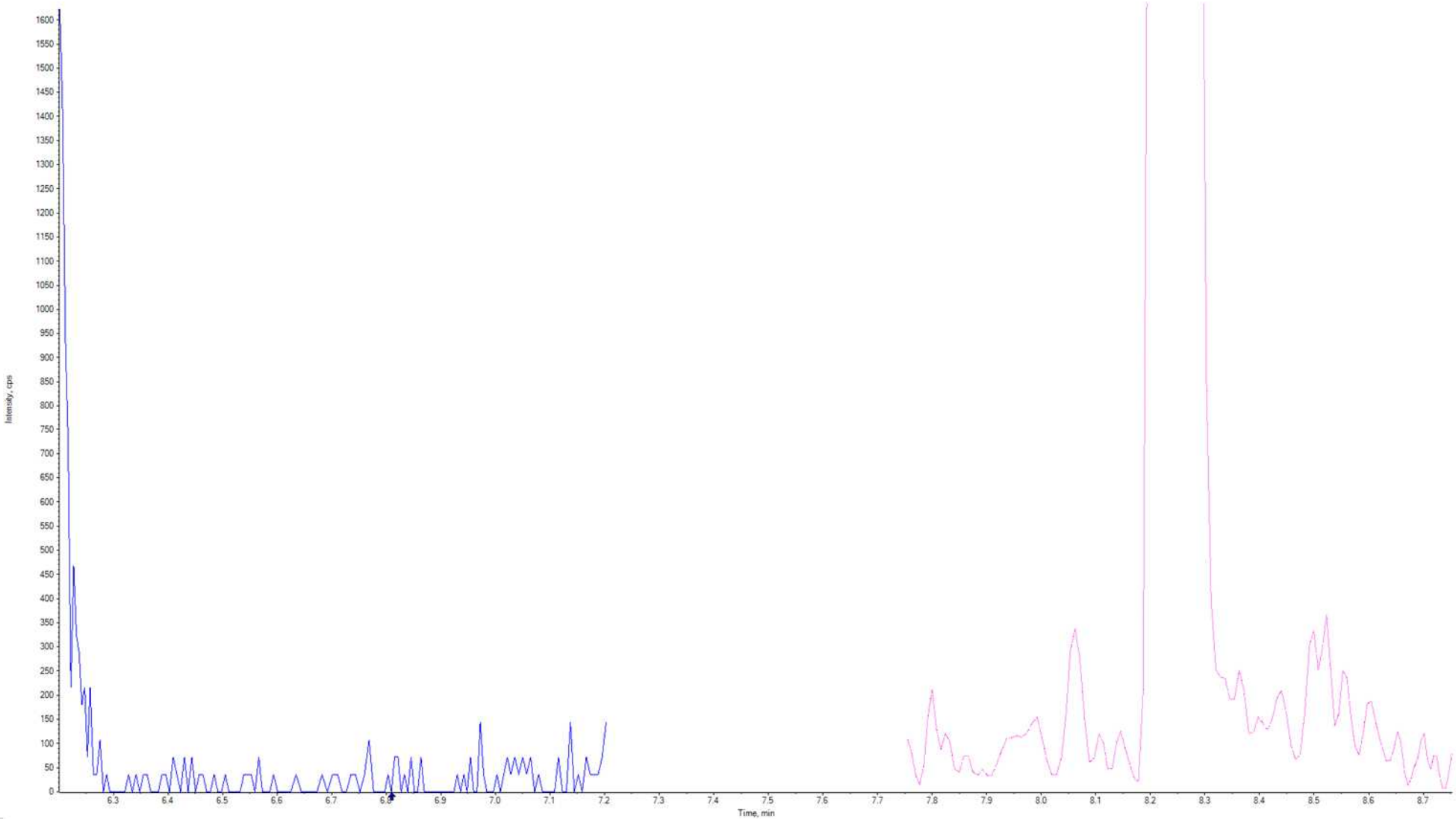
TDCA_2
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 1:57:23 PM
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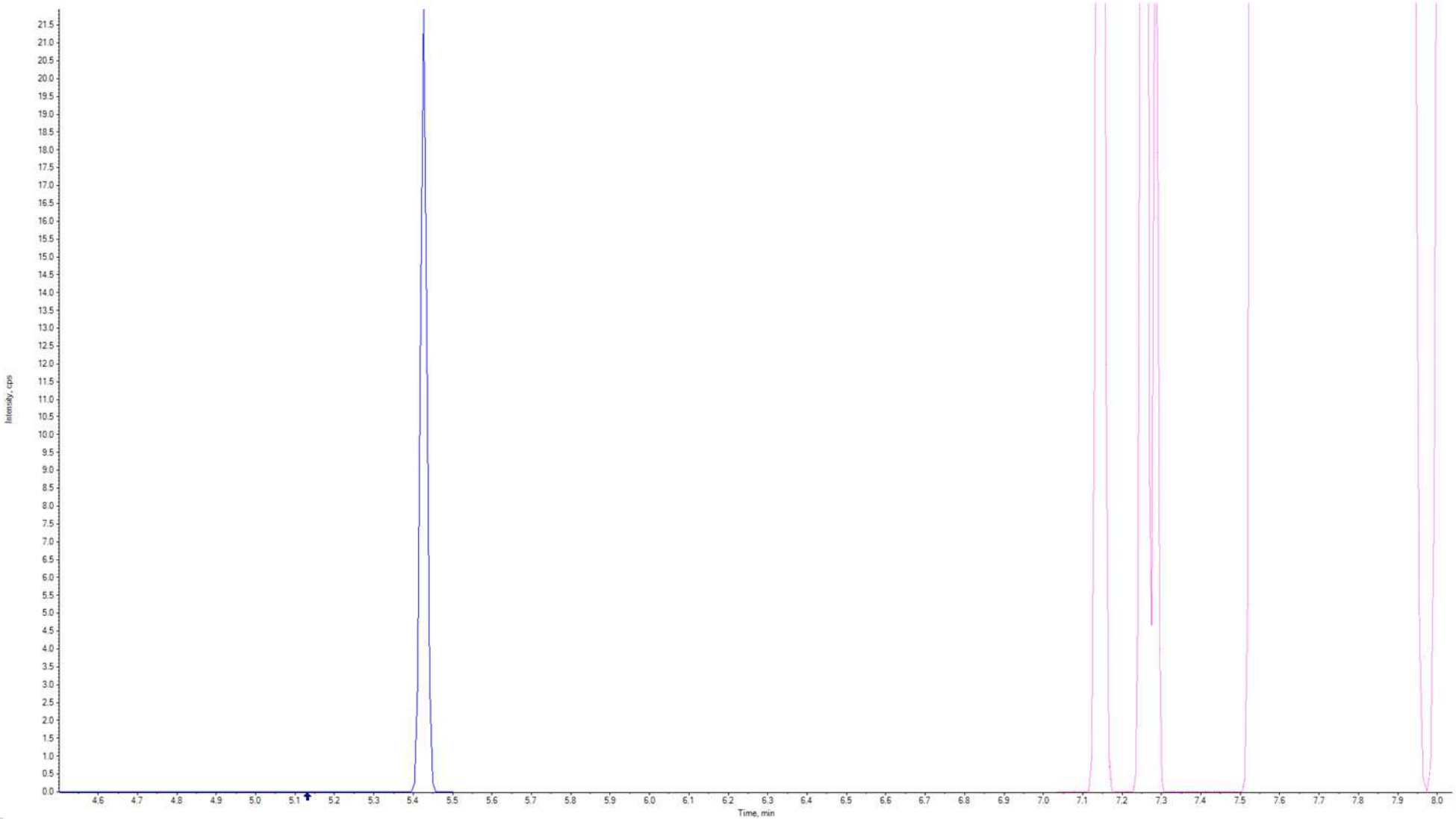
13C2D4-4:2FTS
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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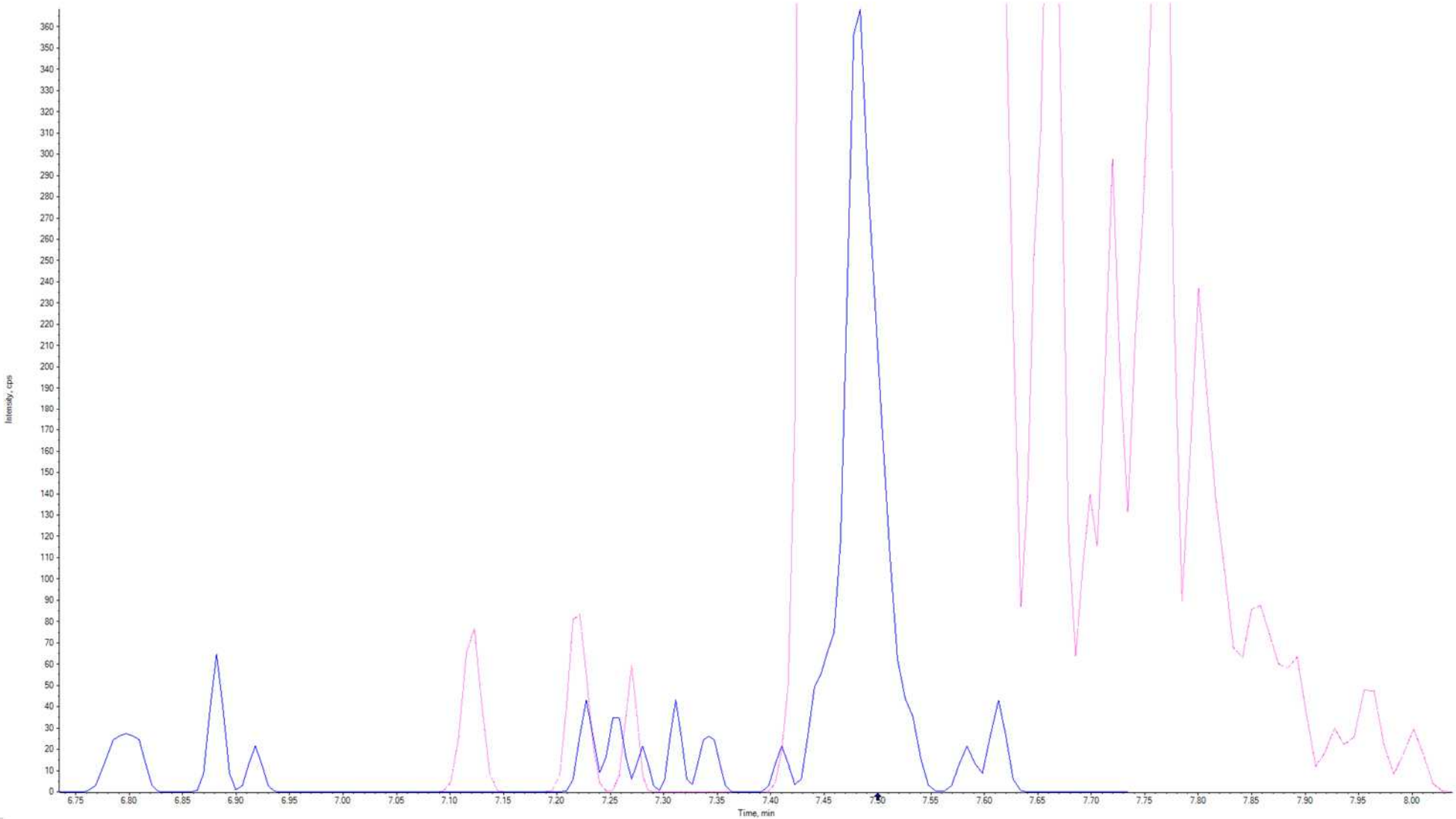
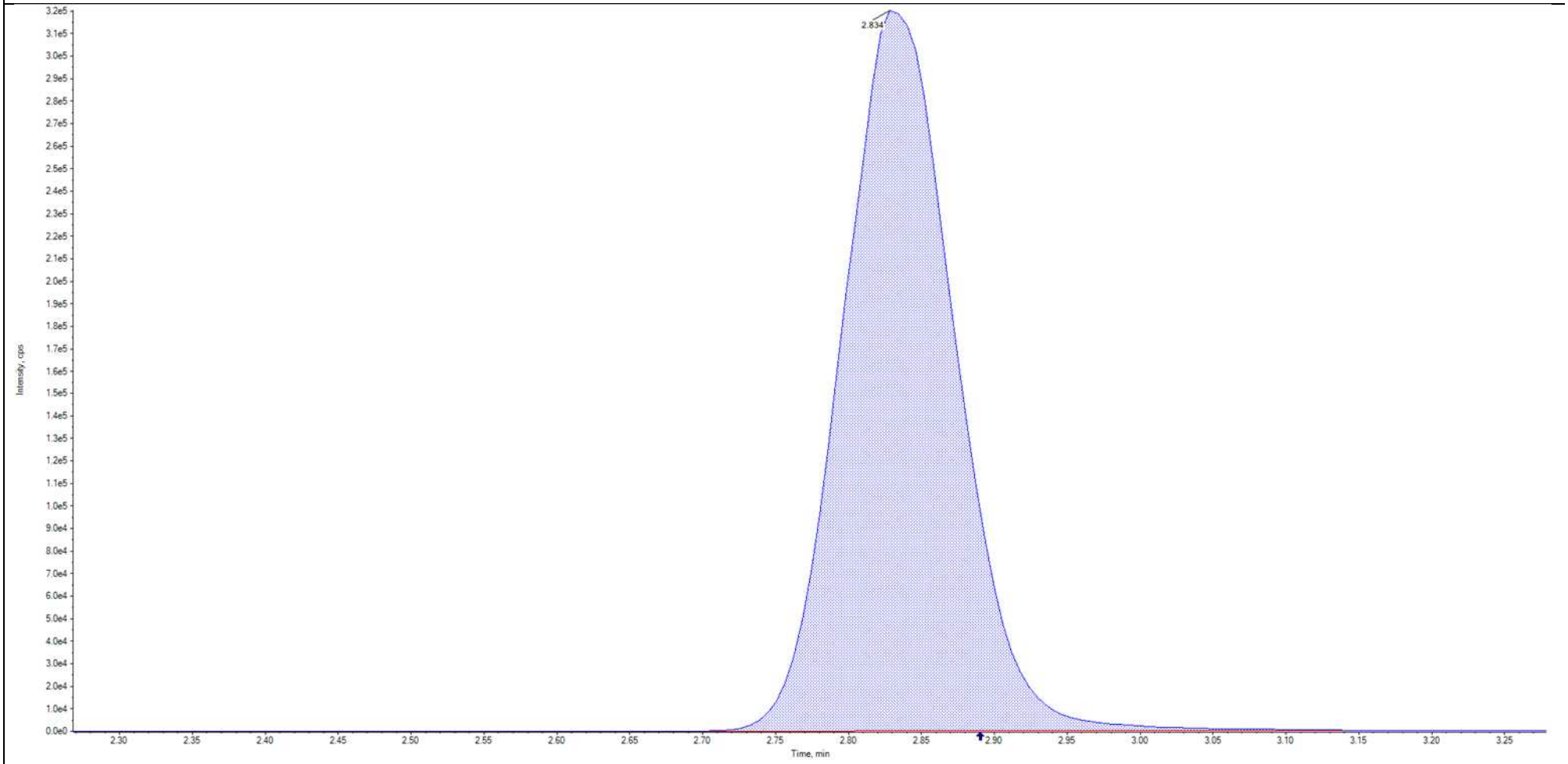
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

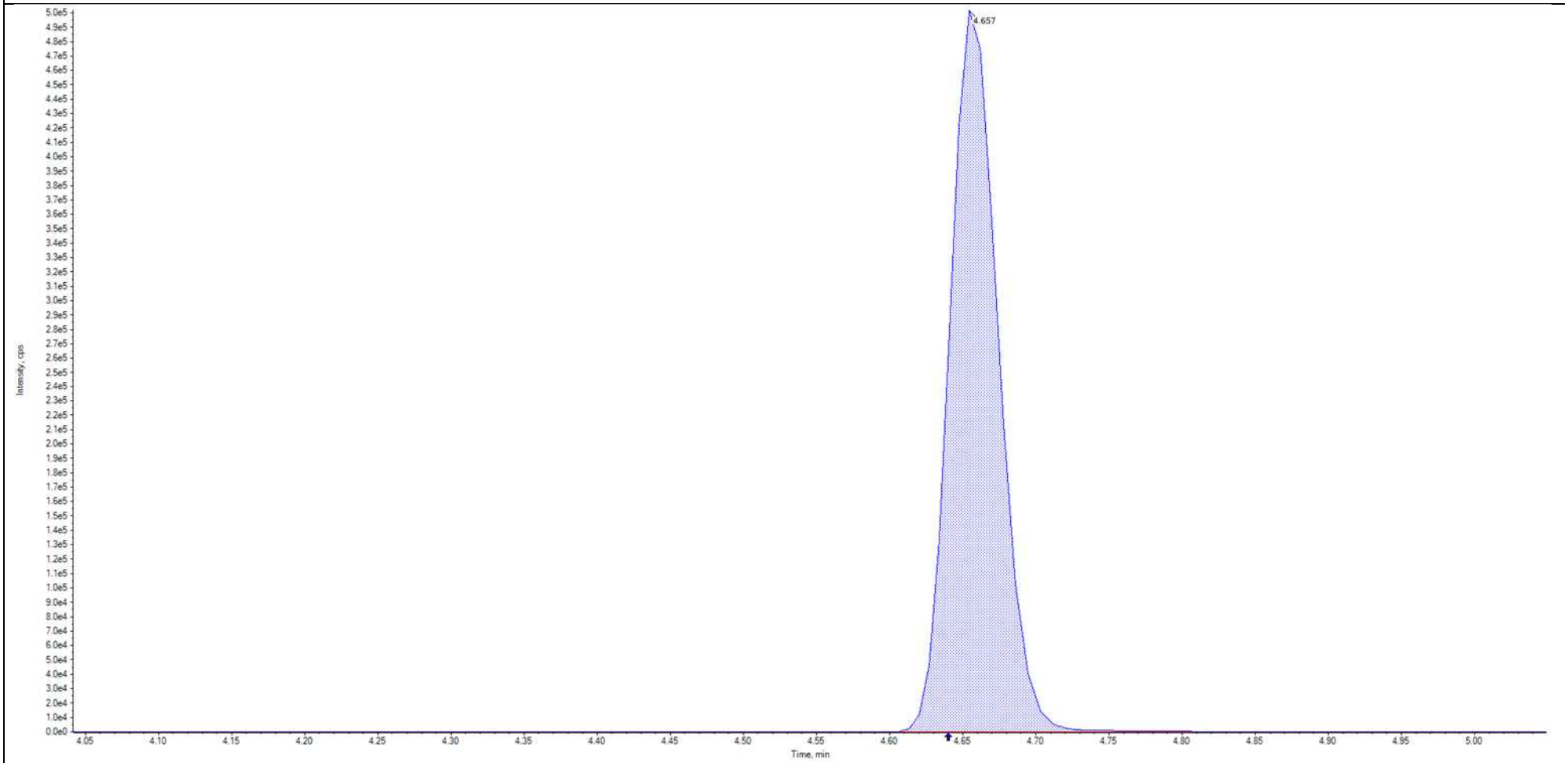
13C2-PFOA
Sample: L2447890-11 S/N:N/A Points Across peak:N/A



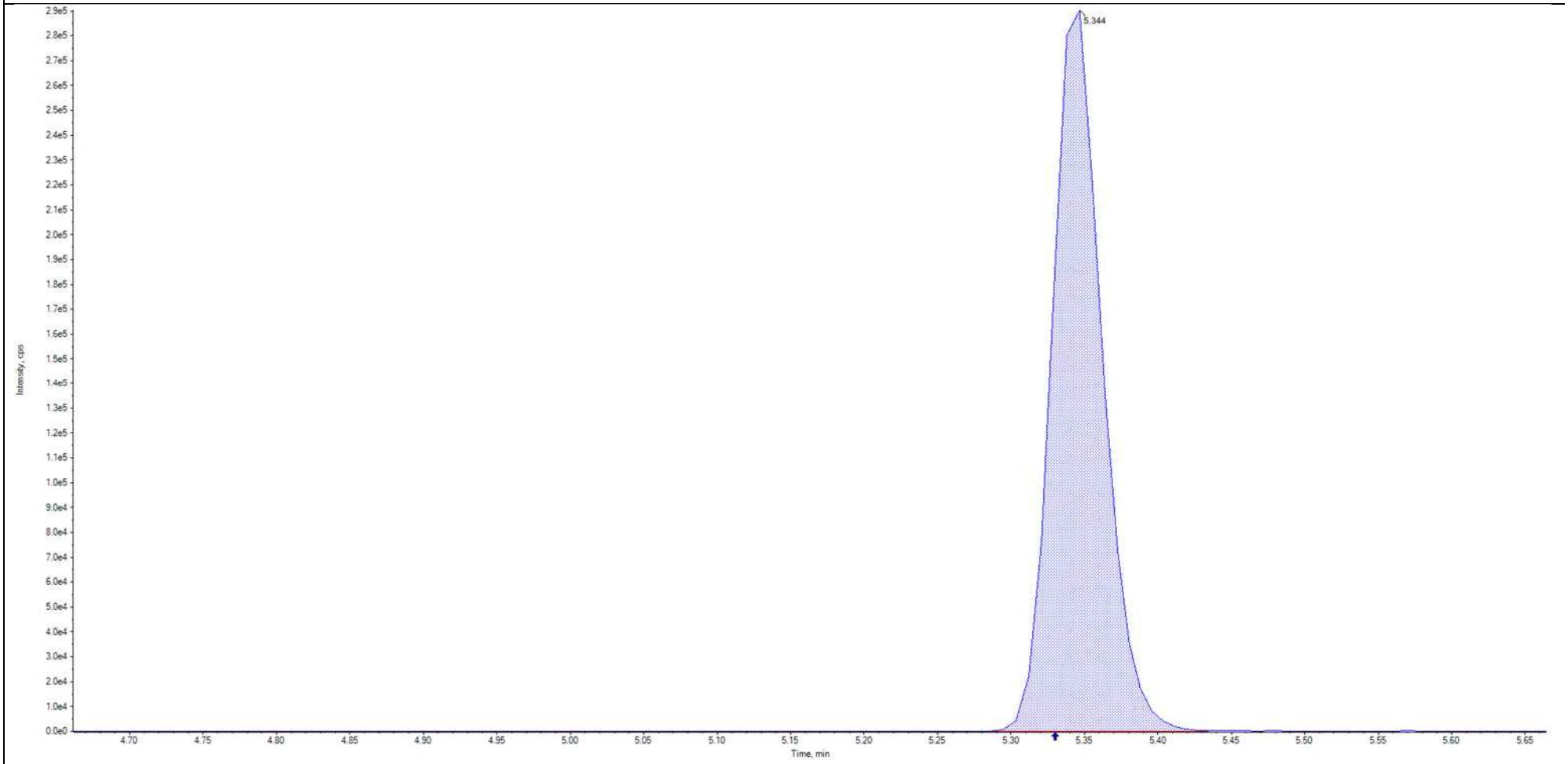
13C4-PFBA
Sample: L2447890-11



13C5-PFPeA
Sample: L2447890-11



13C5-PFHxA
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C4-PFHpA
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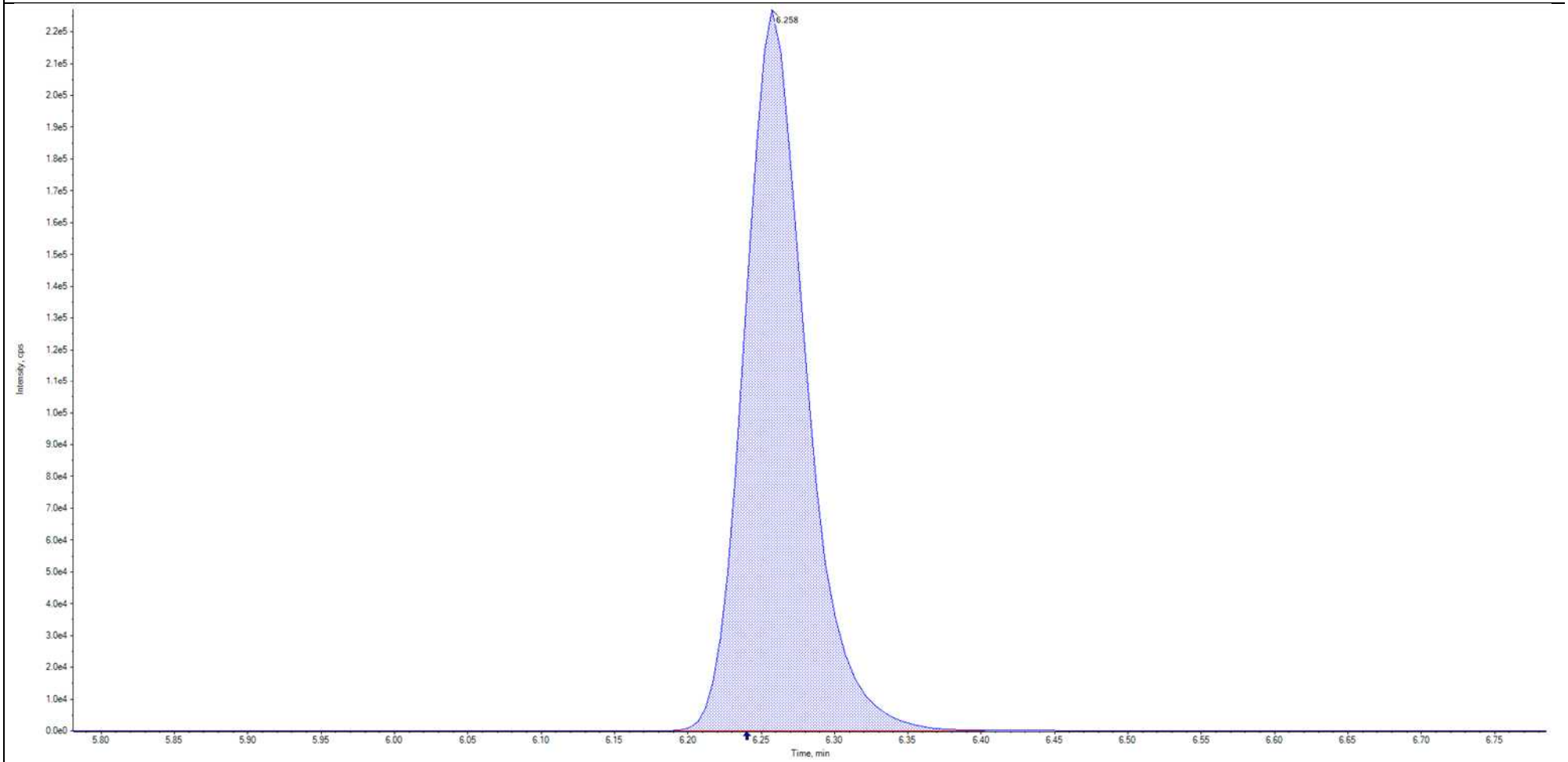
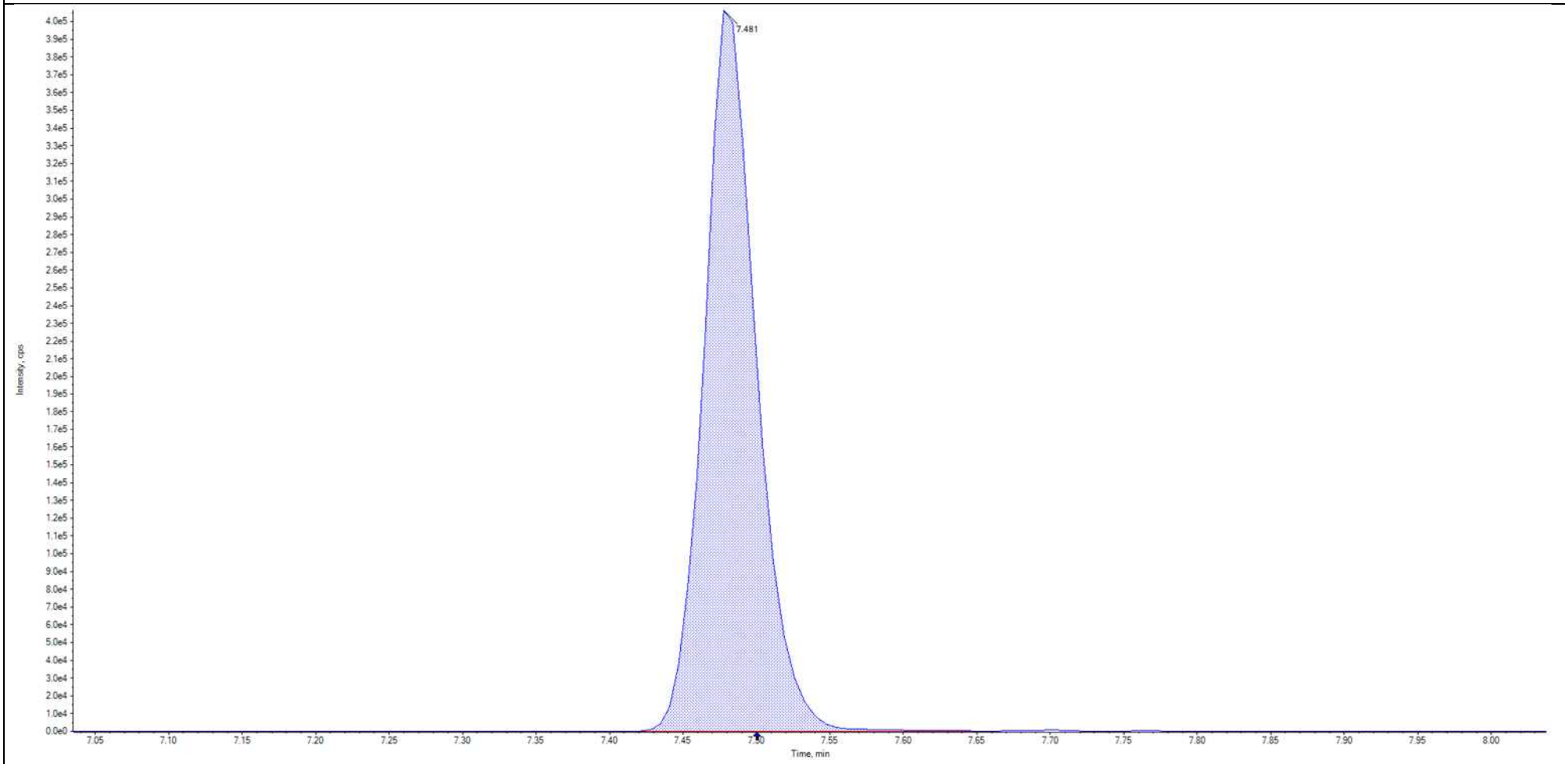
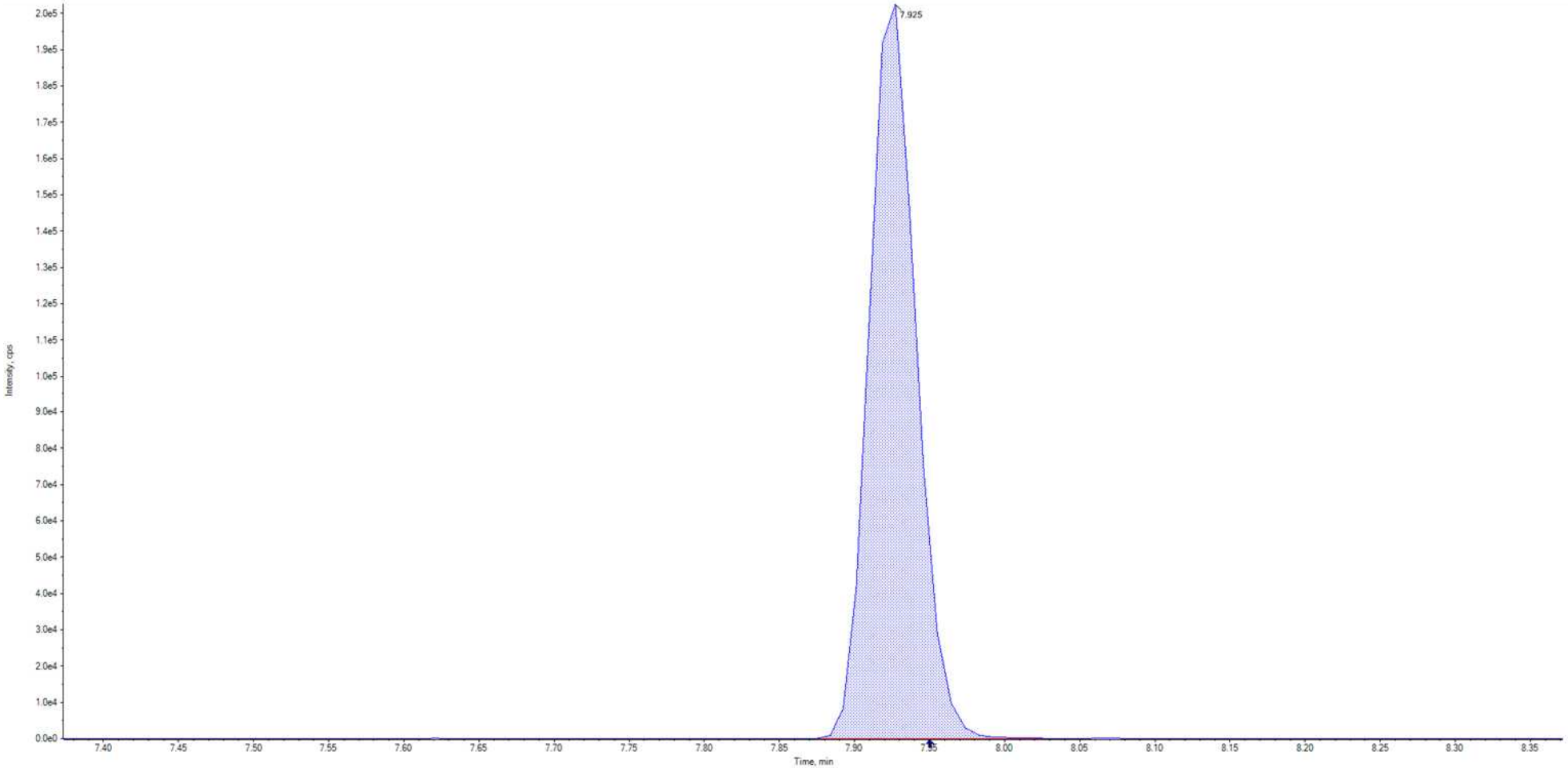


13C8-PFOA
Sample: L2447890-11



13C9-PFNA
Sample: L2447890-11



13C6-PFDA
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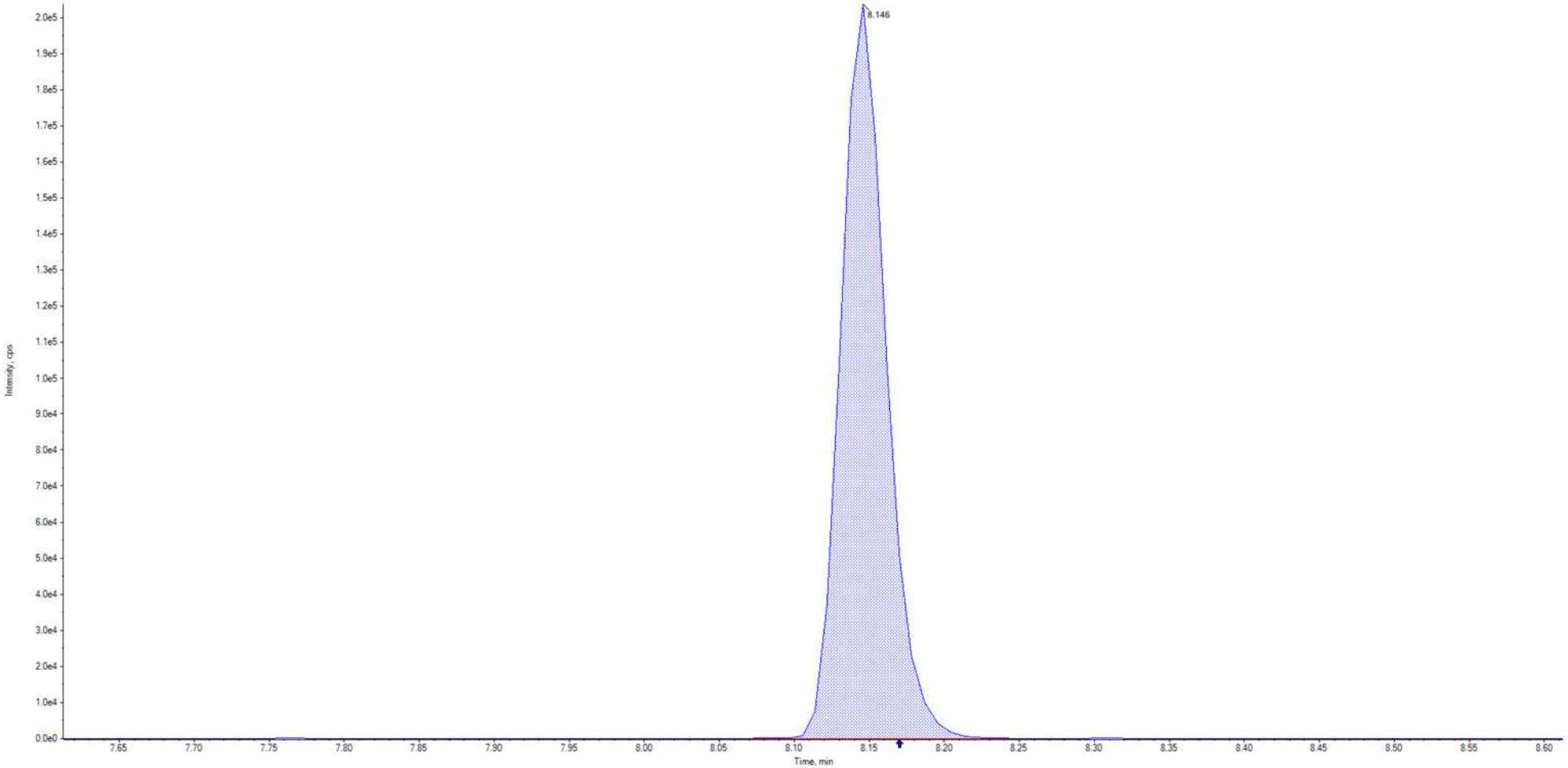

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C7-PFUnA
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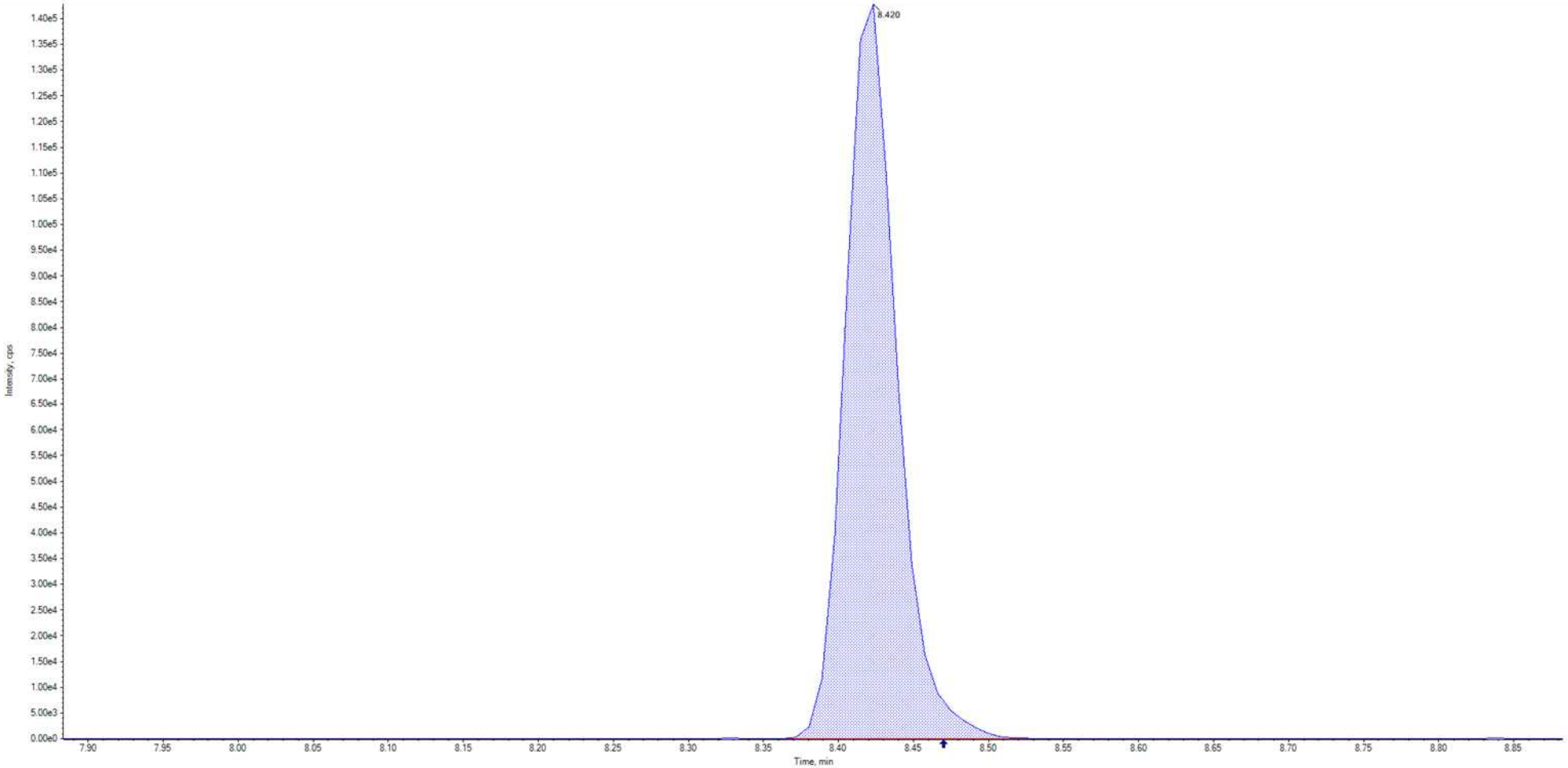

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C2-PFDoA
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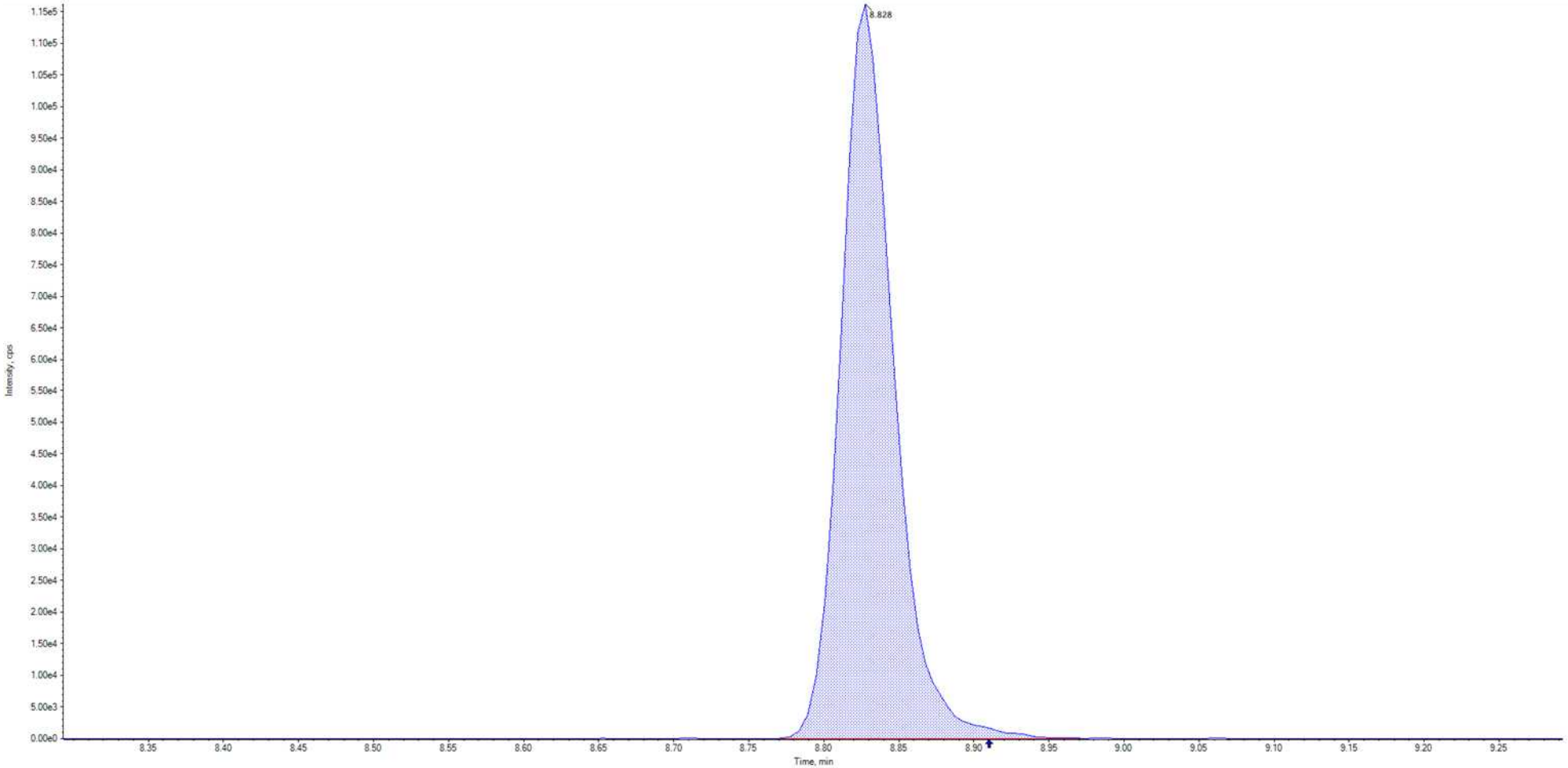
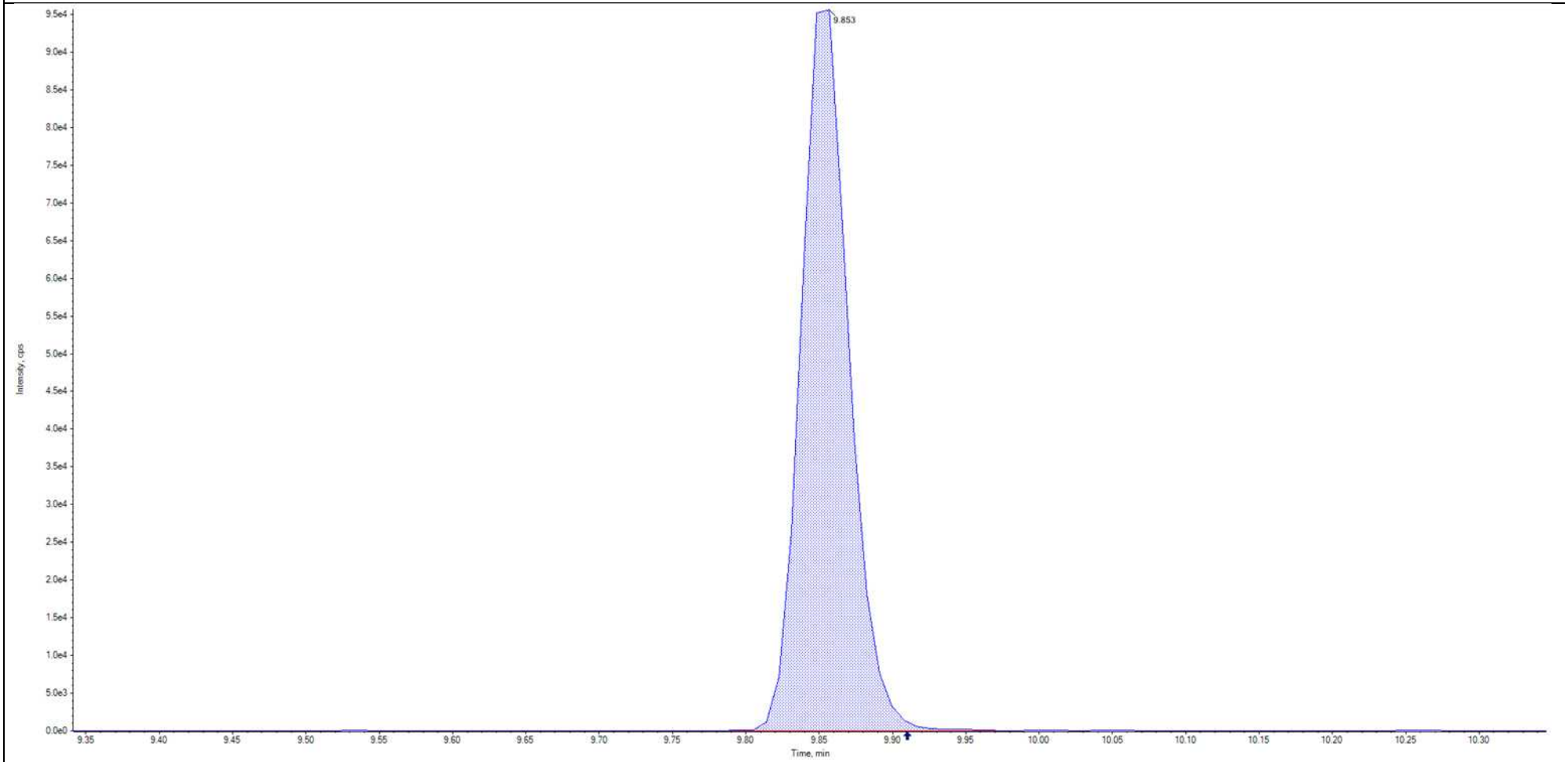
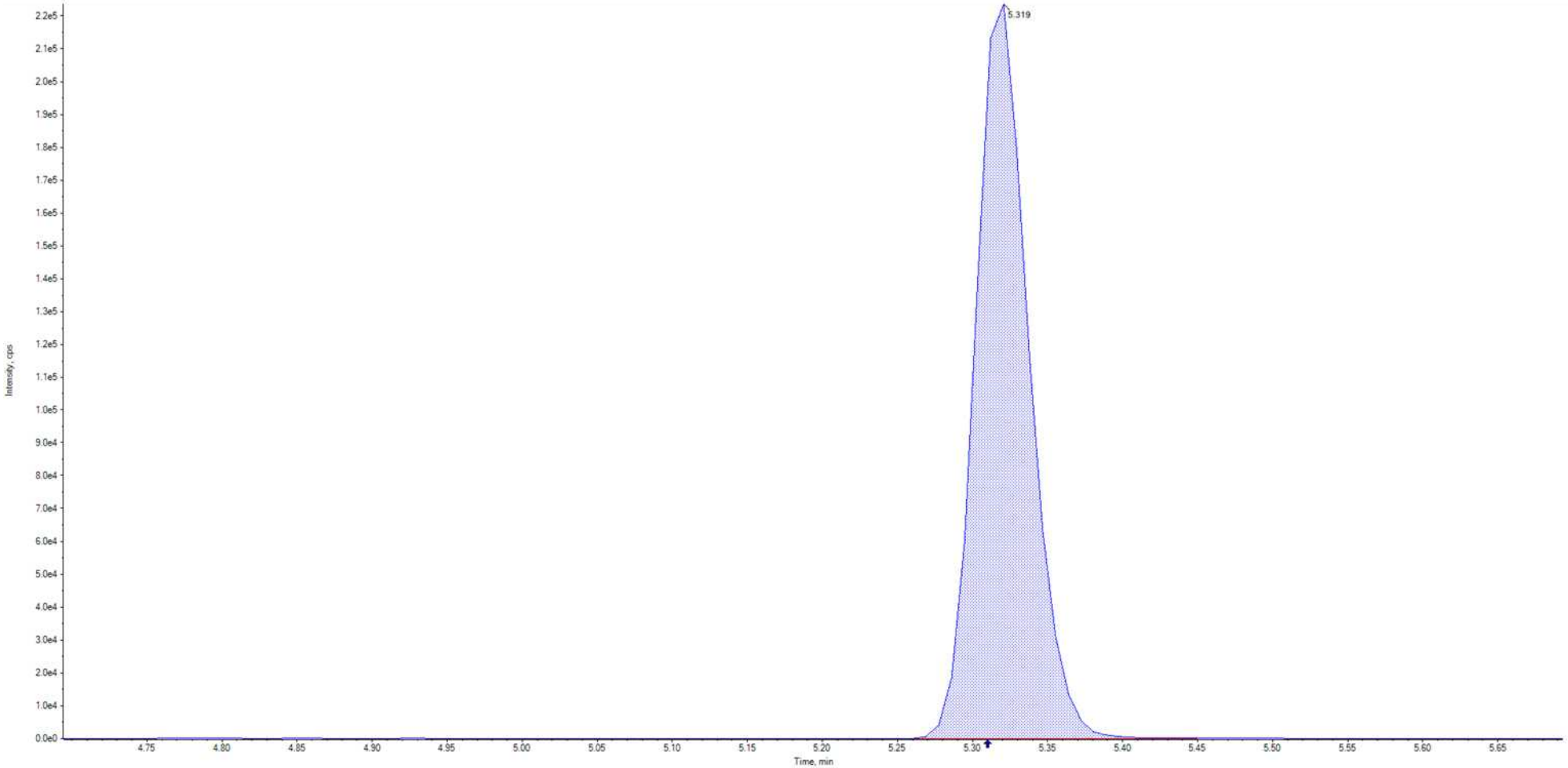


13C2-PFTeDA
Sample: L2447890-11



13C3-PFBS
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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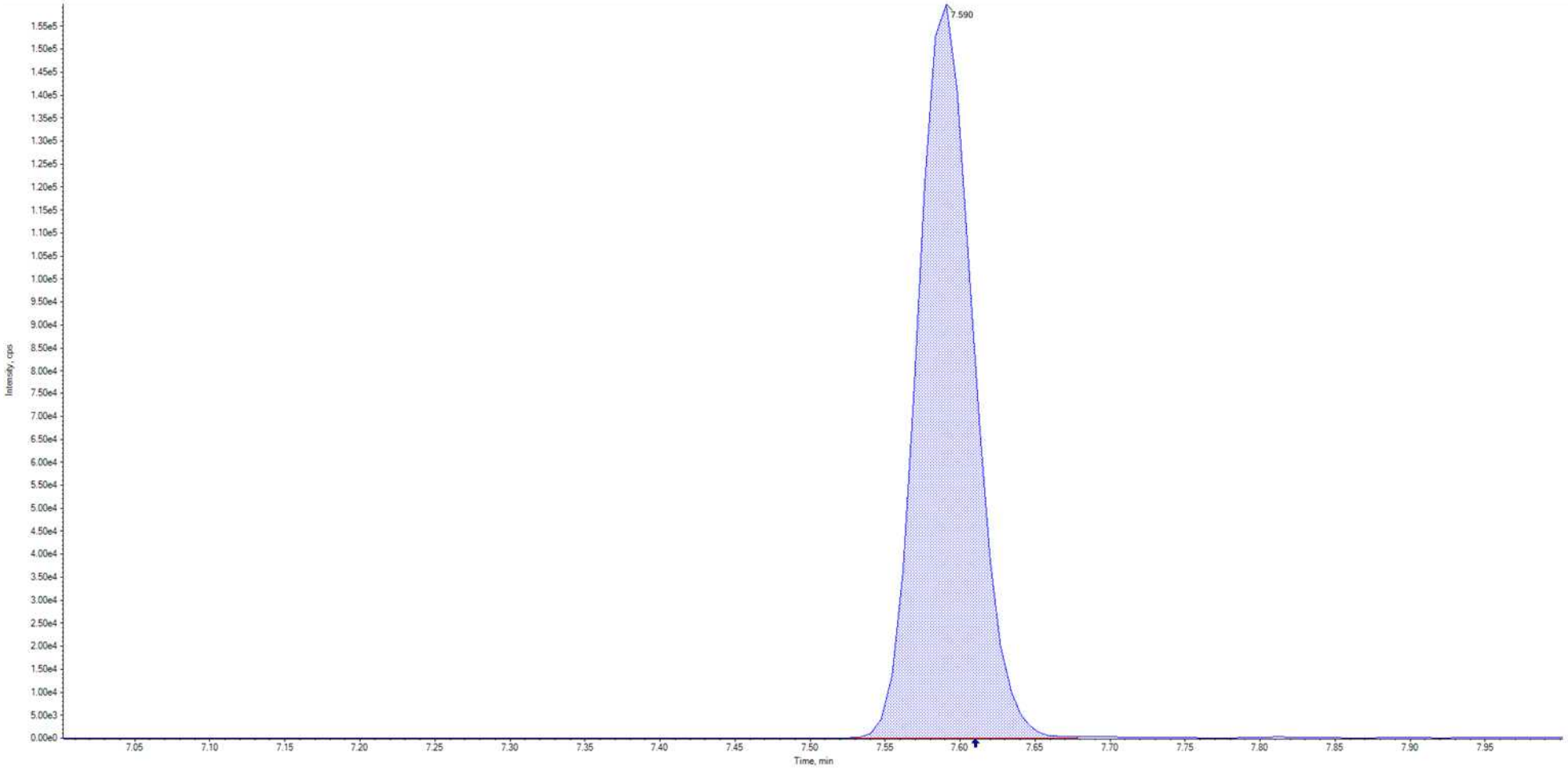
13C3-PFHxS
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C8-PFOS
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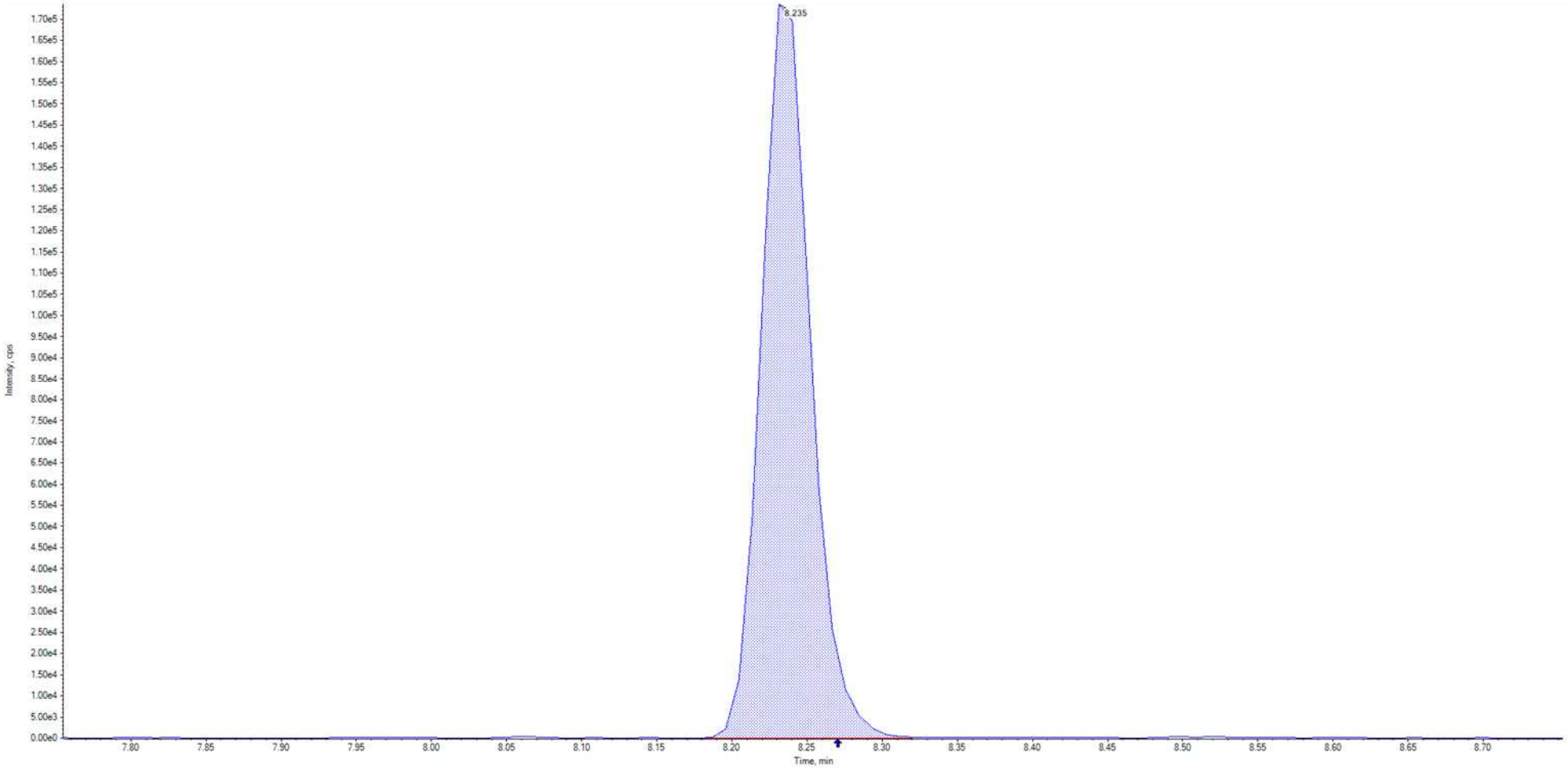
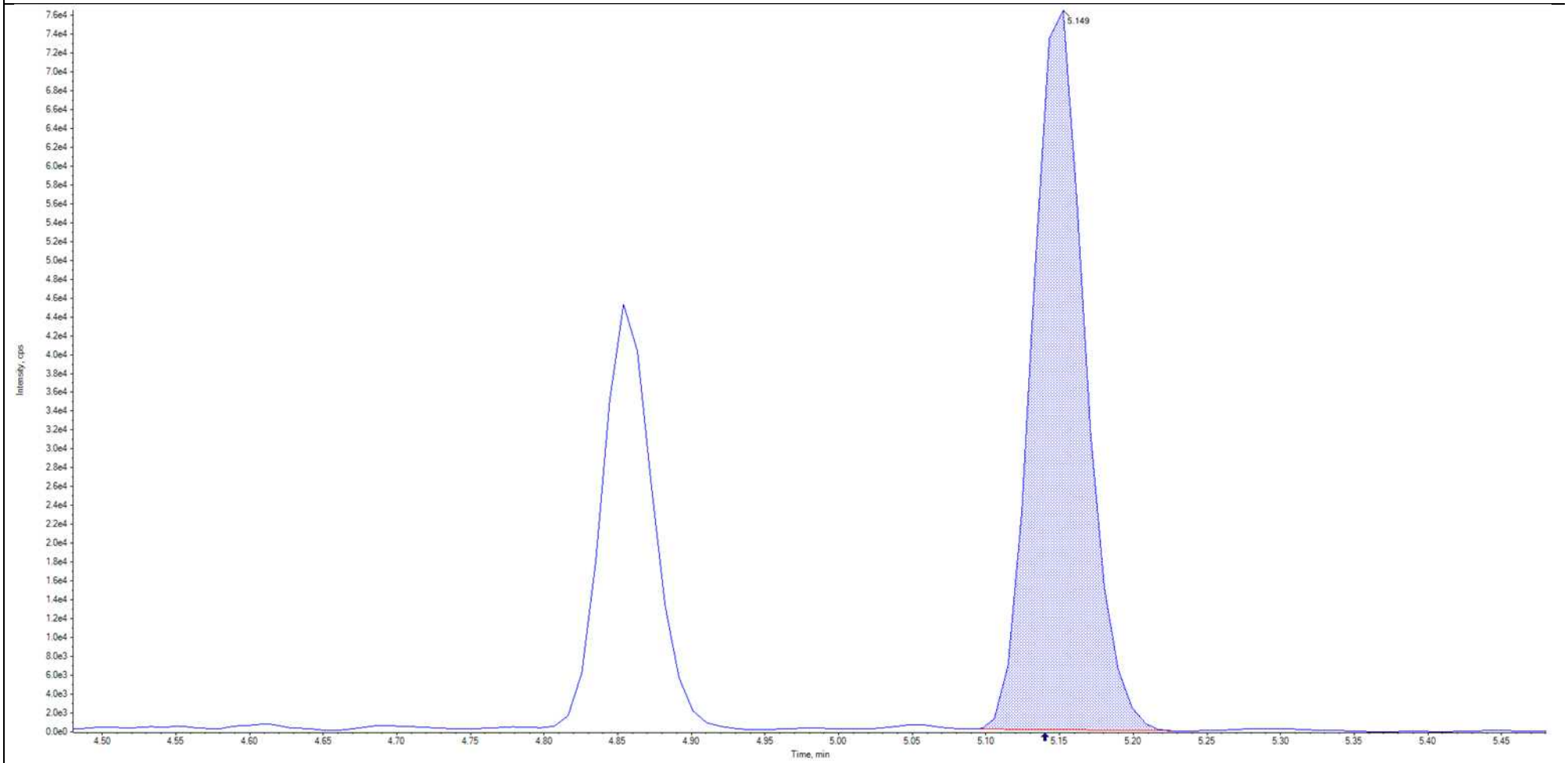
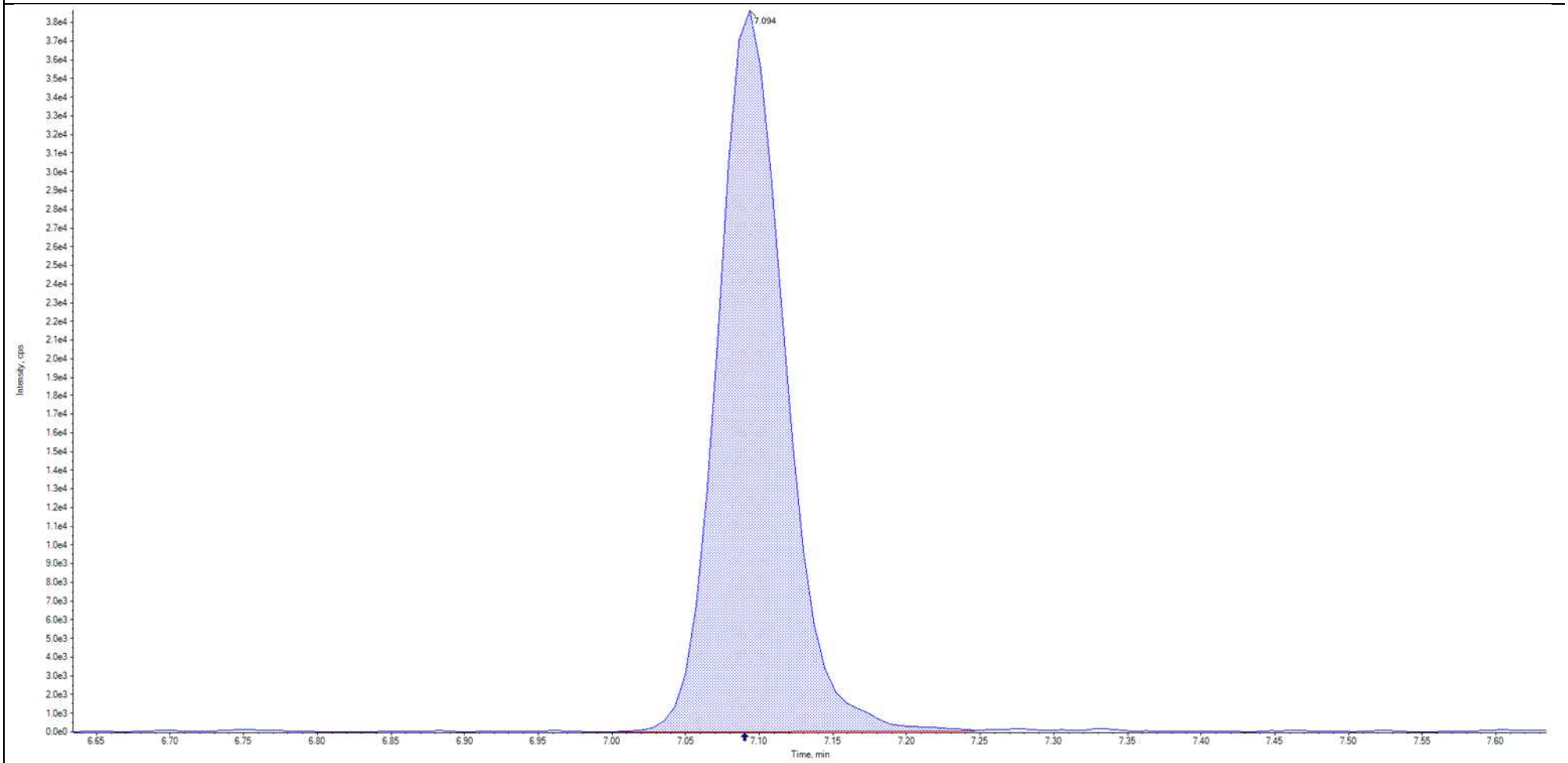


13C2-4:2FTS
Sample: L2447890-11



13C2-6:2FTS
Sample: L2447890-11



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13C2-8:2FTS
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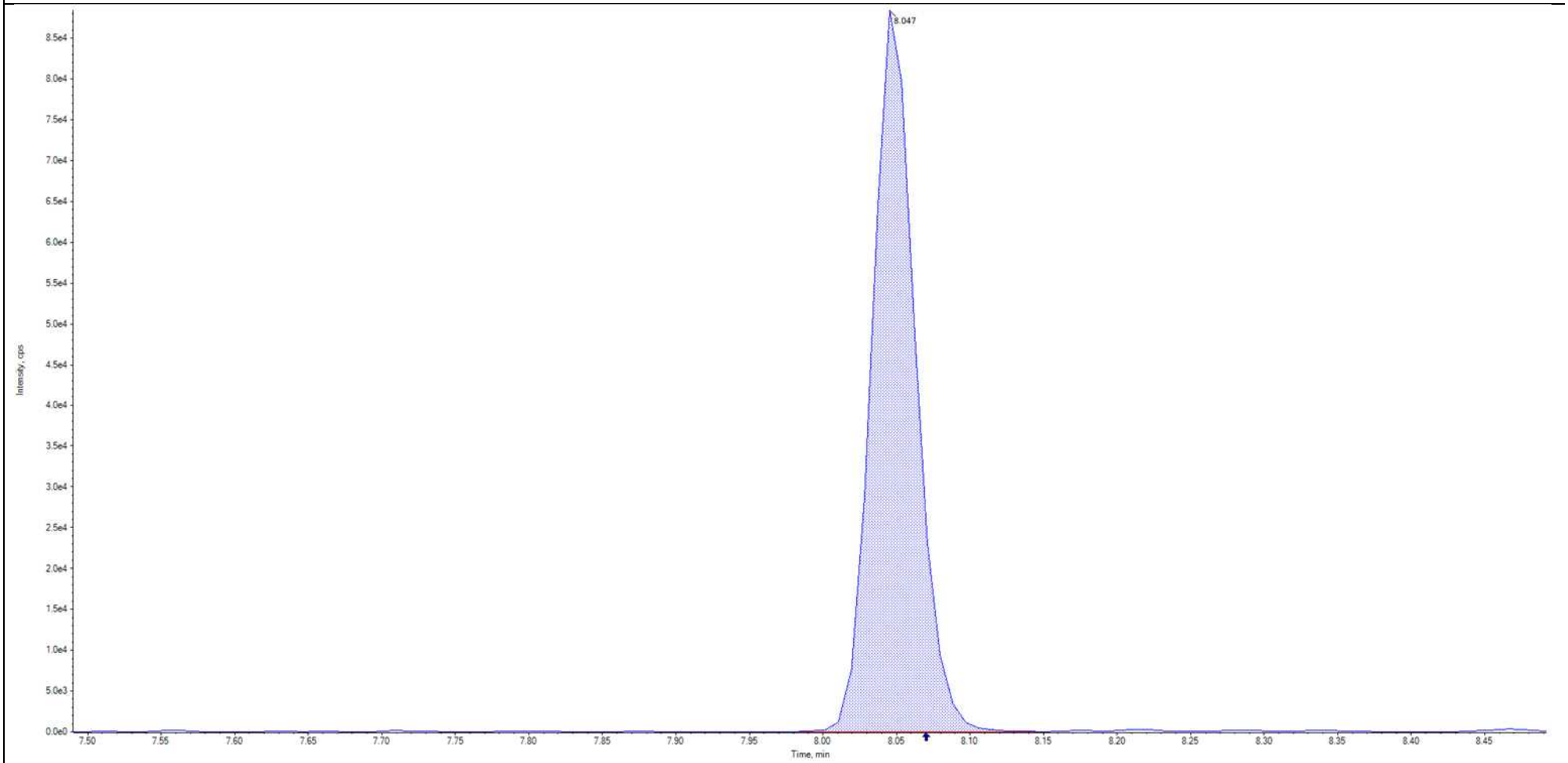

13C8-PFOSA
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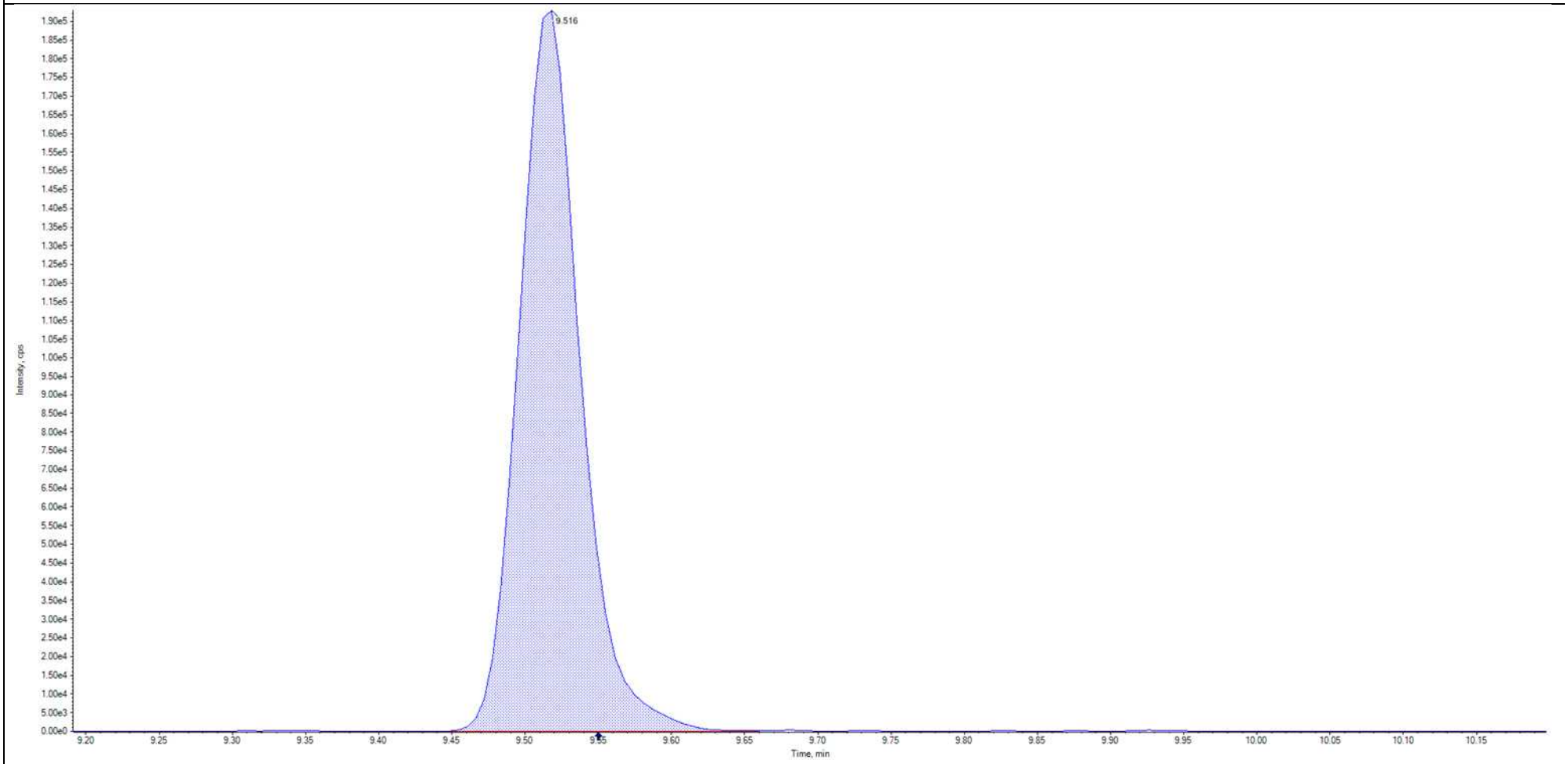

d3-NMeFOSA
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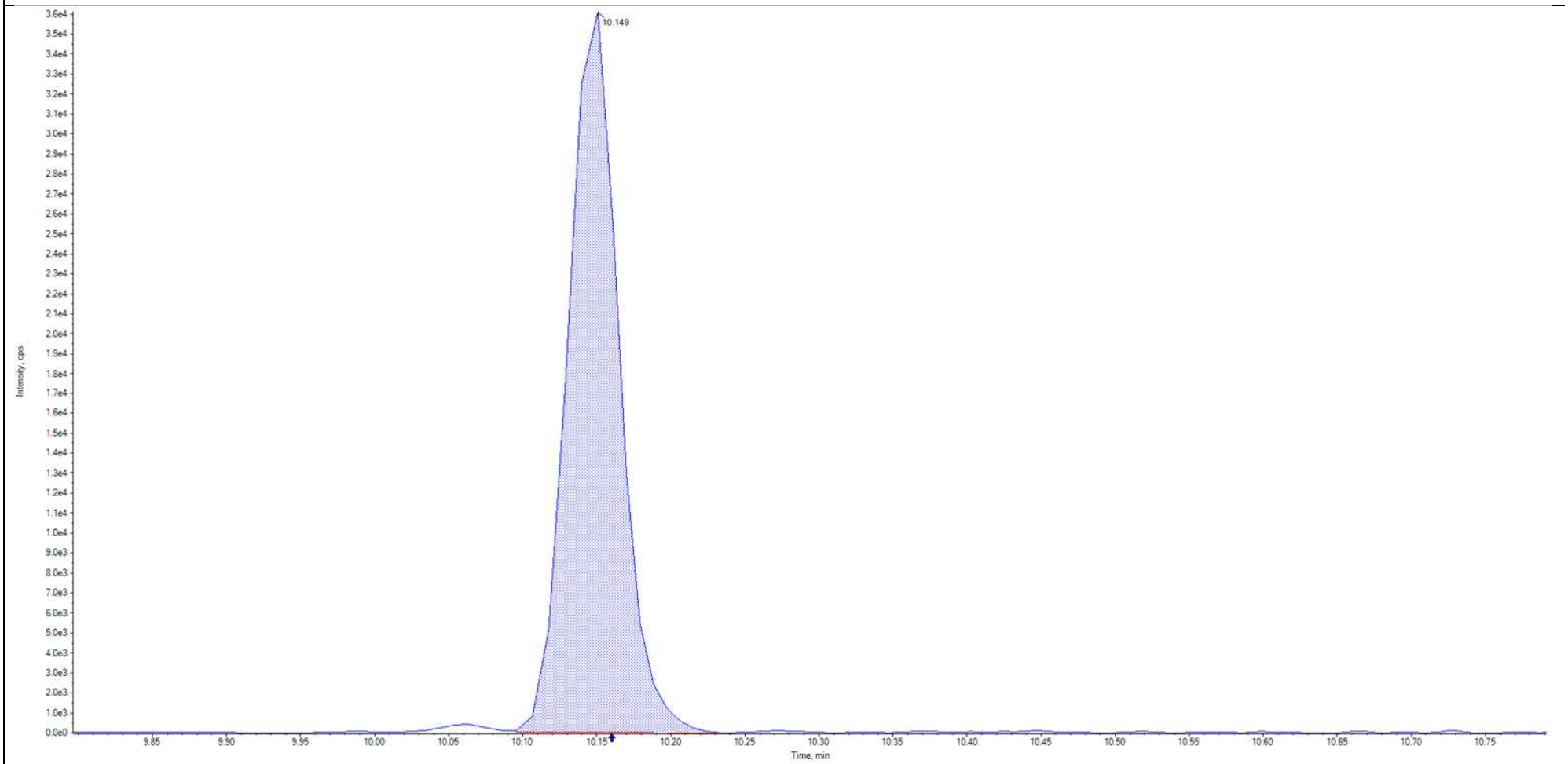
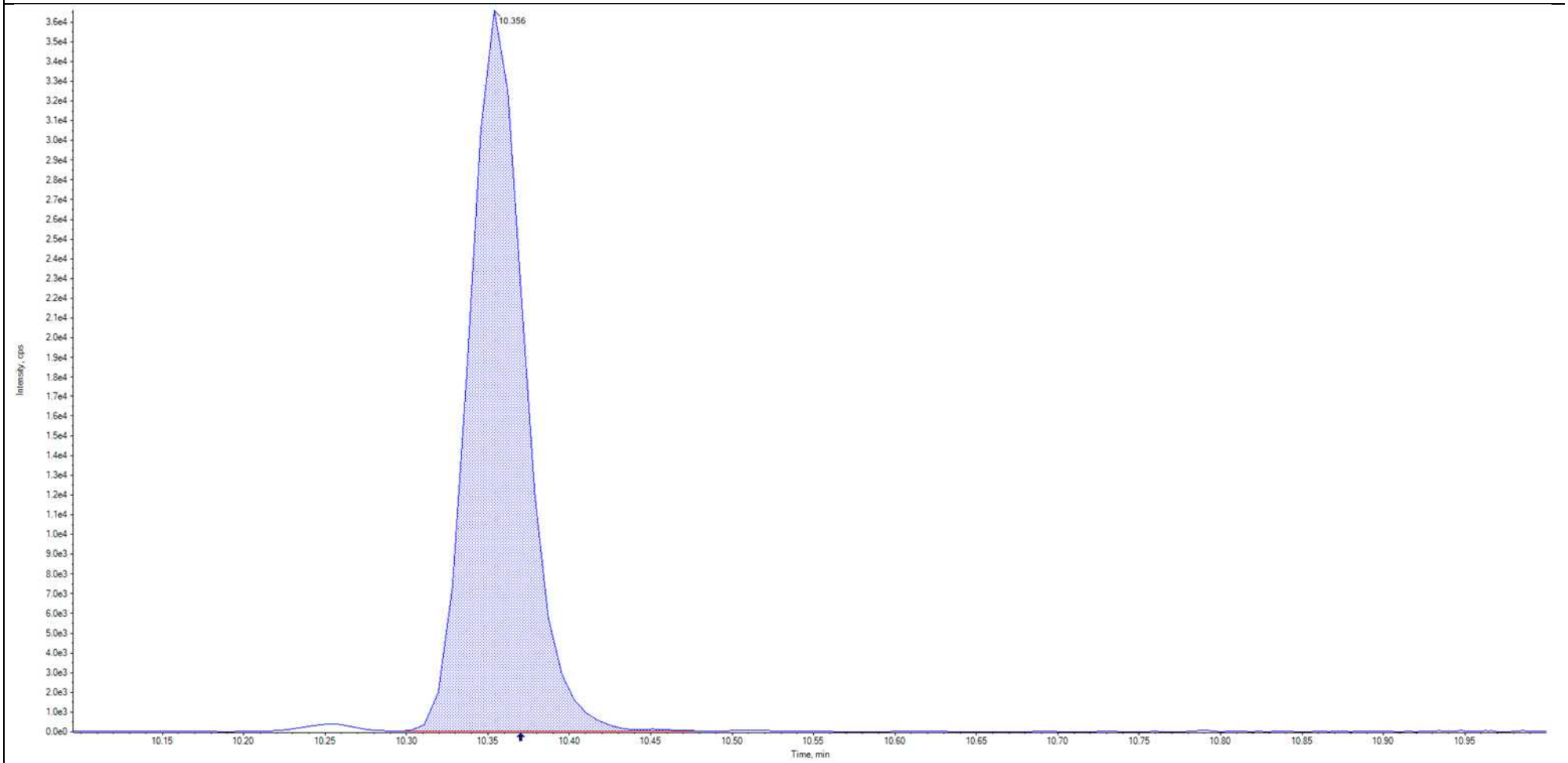
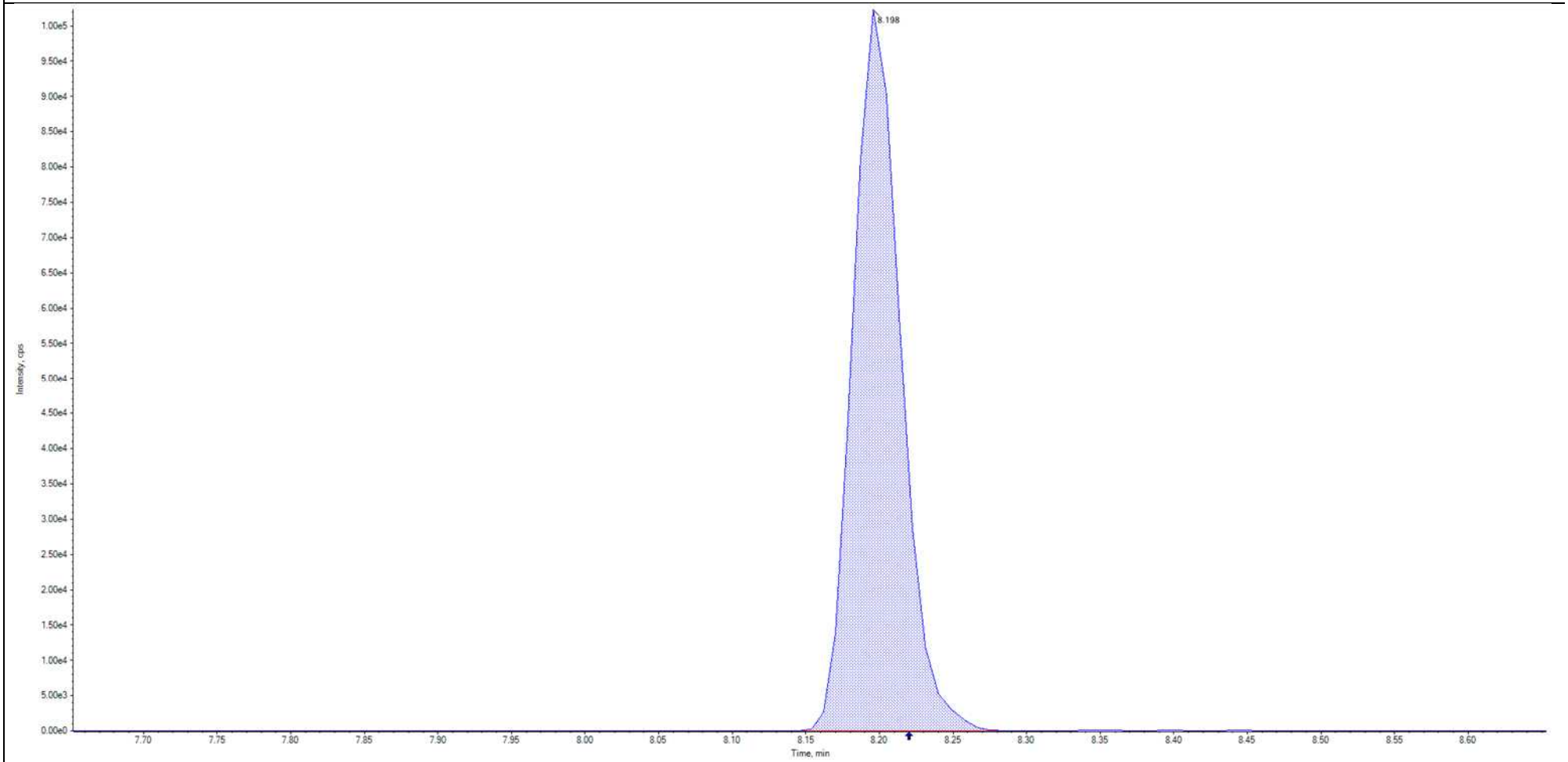


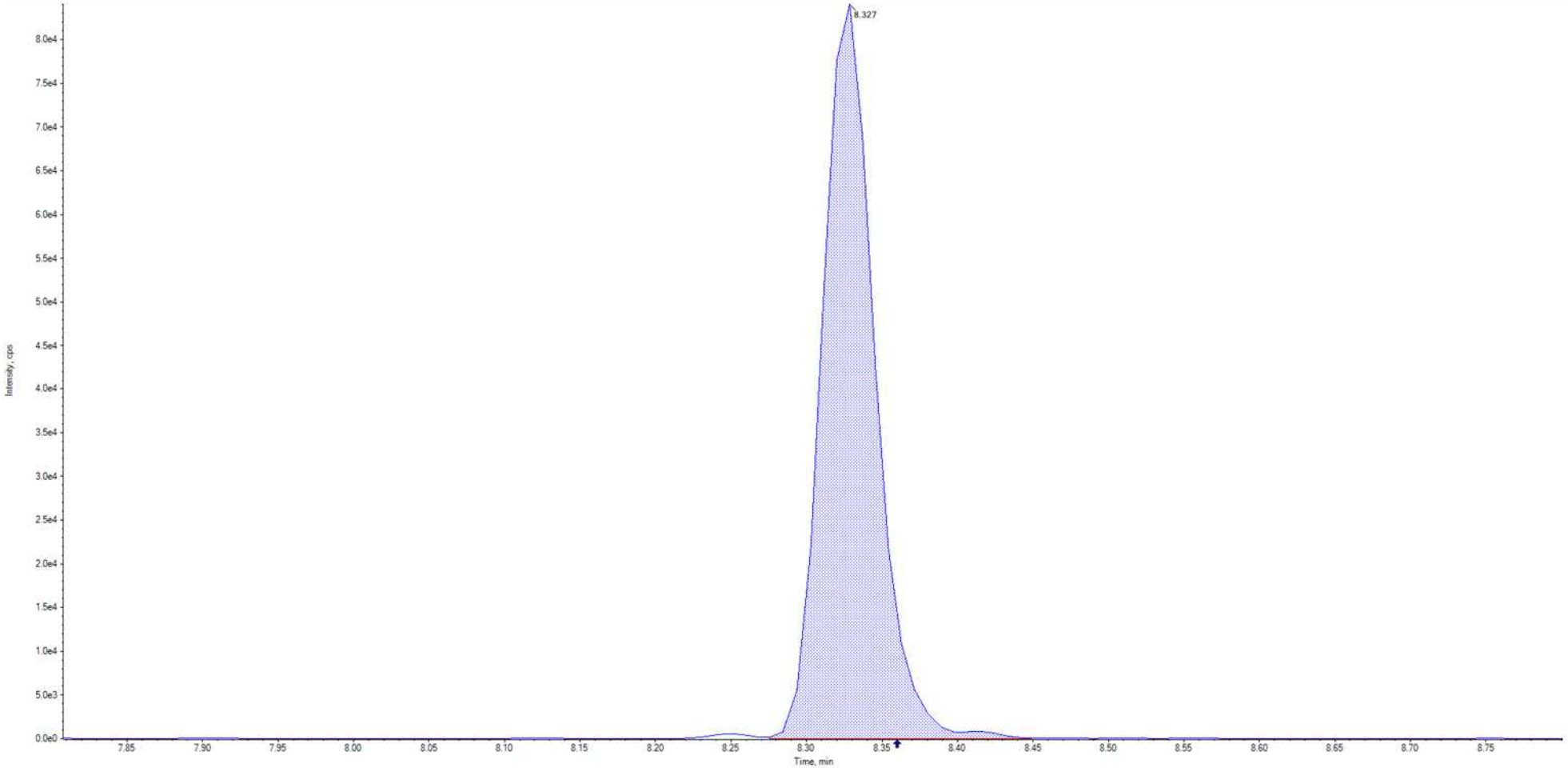
d5-NEtFOSA
Sample: L2447890-11



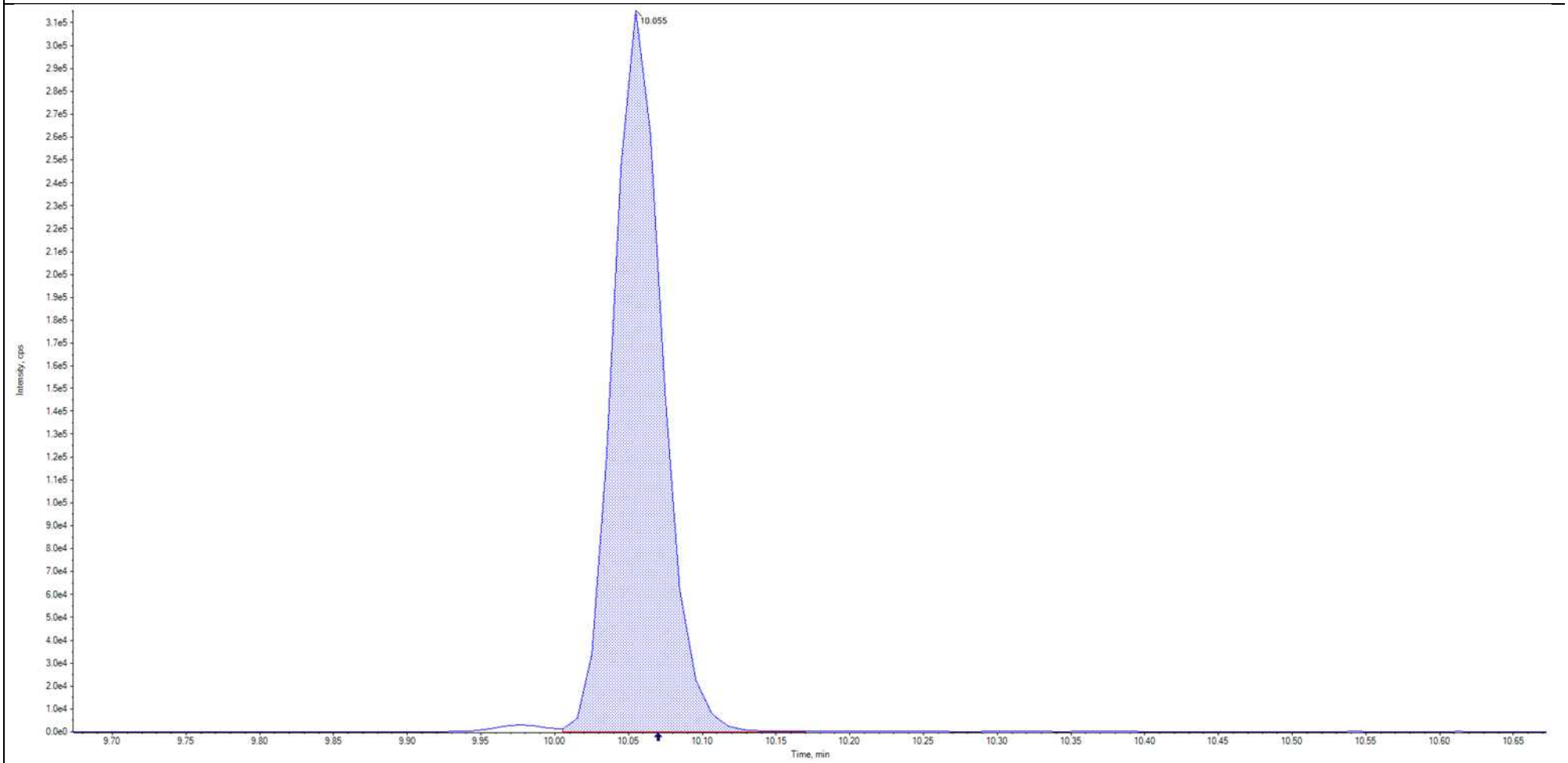
d3-NMeFOSAA
Sample: L2447890-11



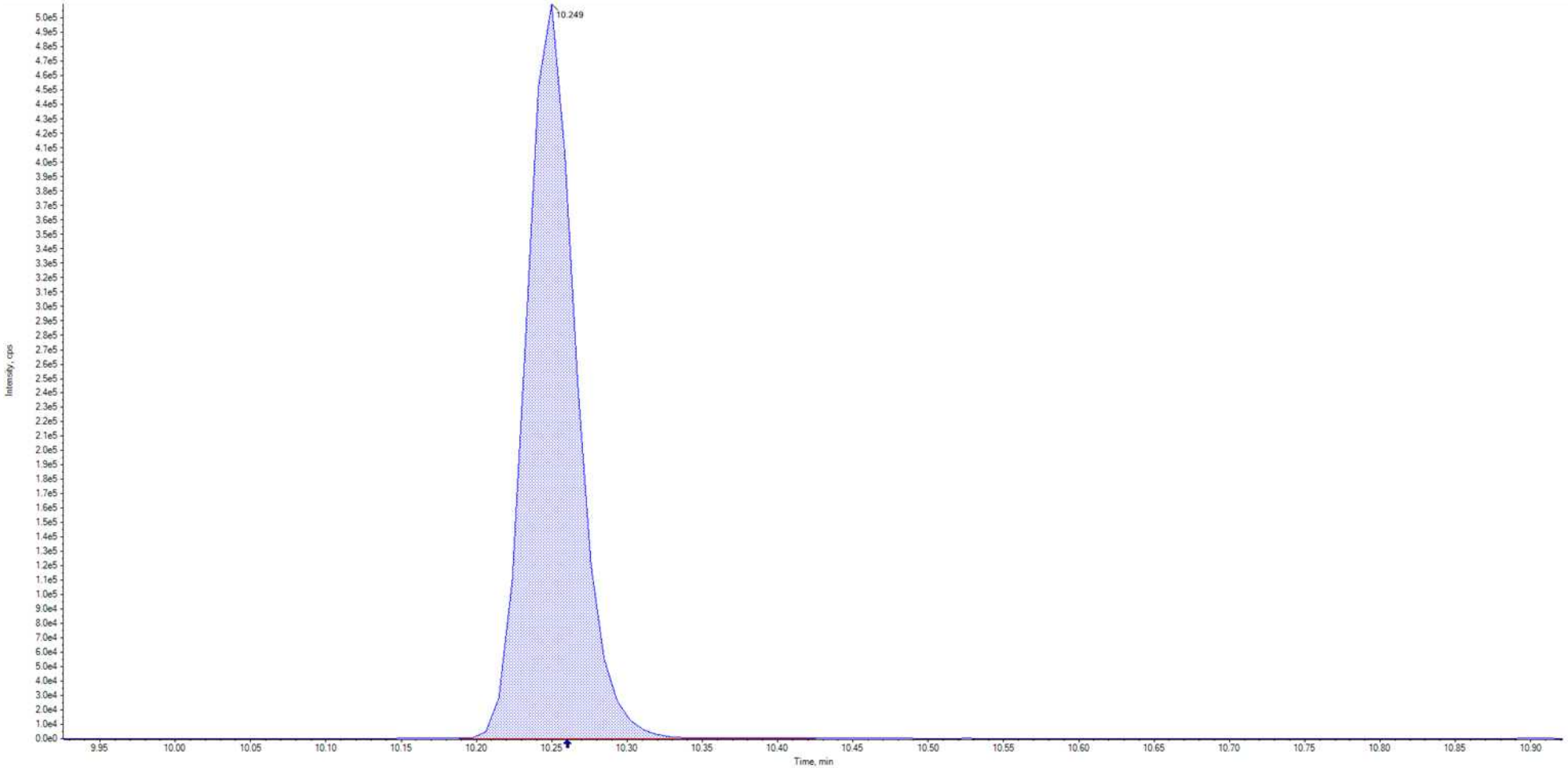
d5-NEtFOSAA
Sample: L2447890-11



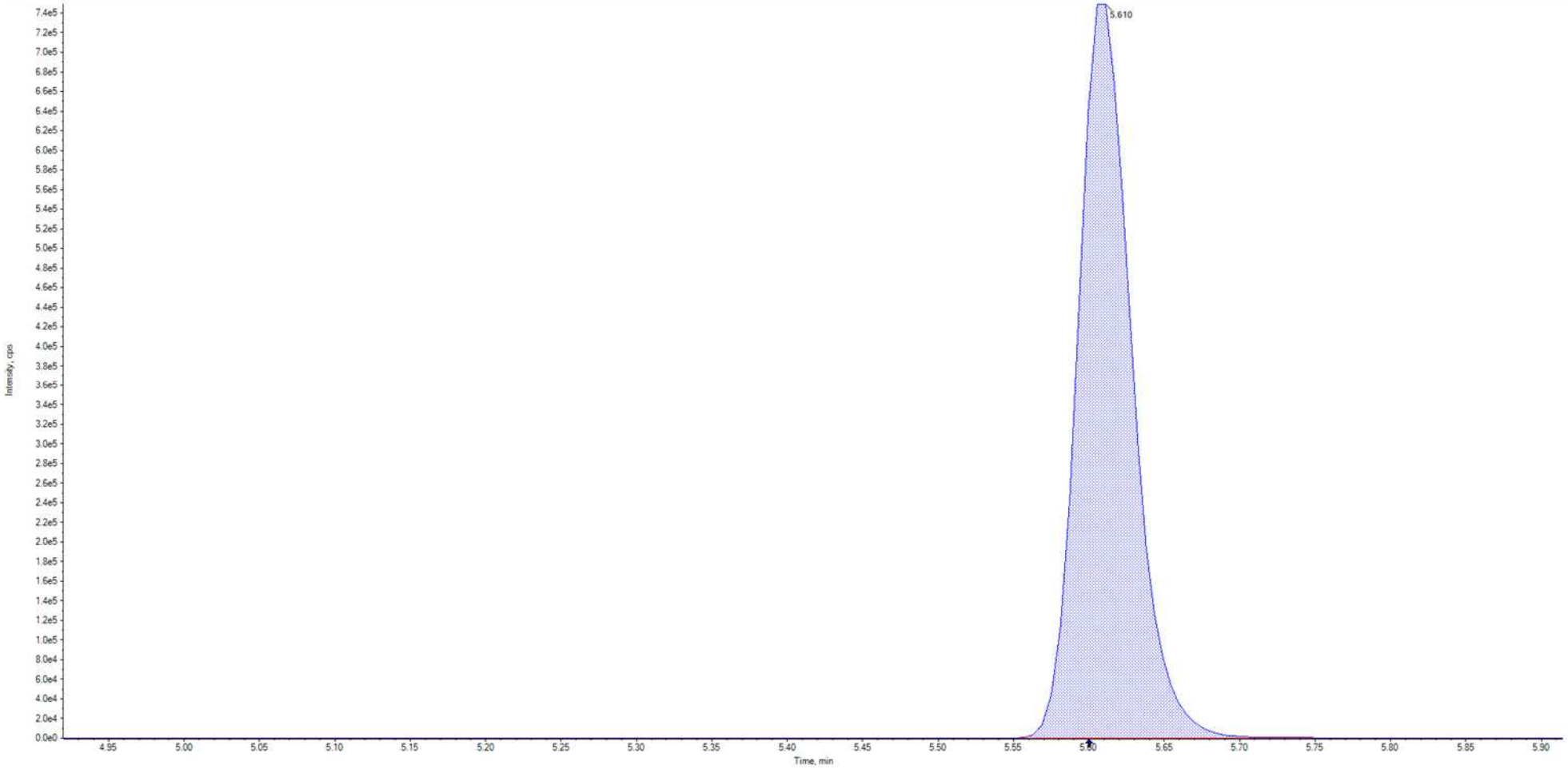
d7-NMeFOSE
Sample: L2447890-11



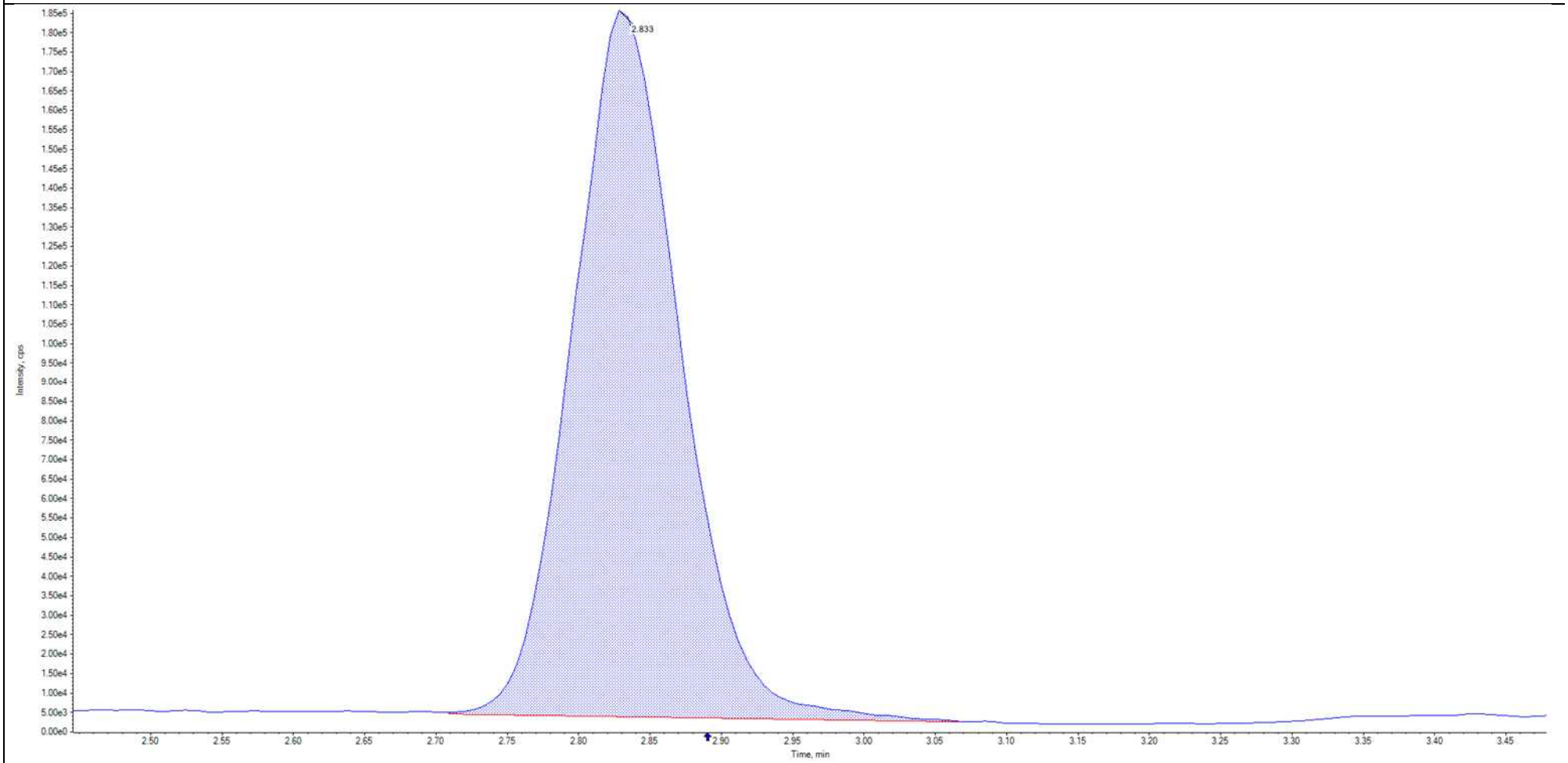
d9-NEtFOSE
Sample: L2447890-11



13C3-HFPO-DA
Sample: L2447890-11



13C3-PFBA
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
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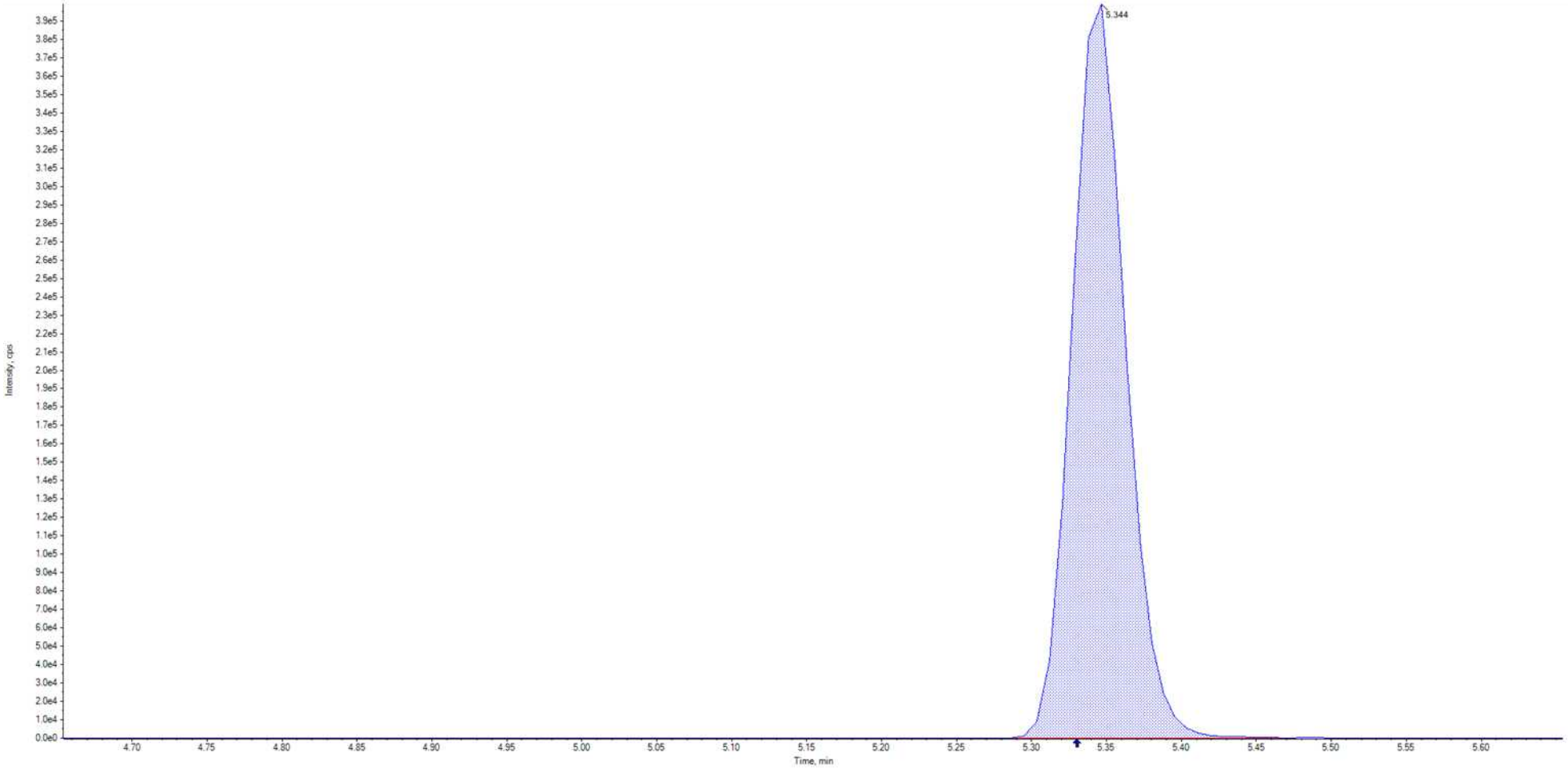
Generated: 9/18/2024 6:35:36 AM

13C2-PFHxA
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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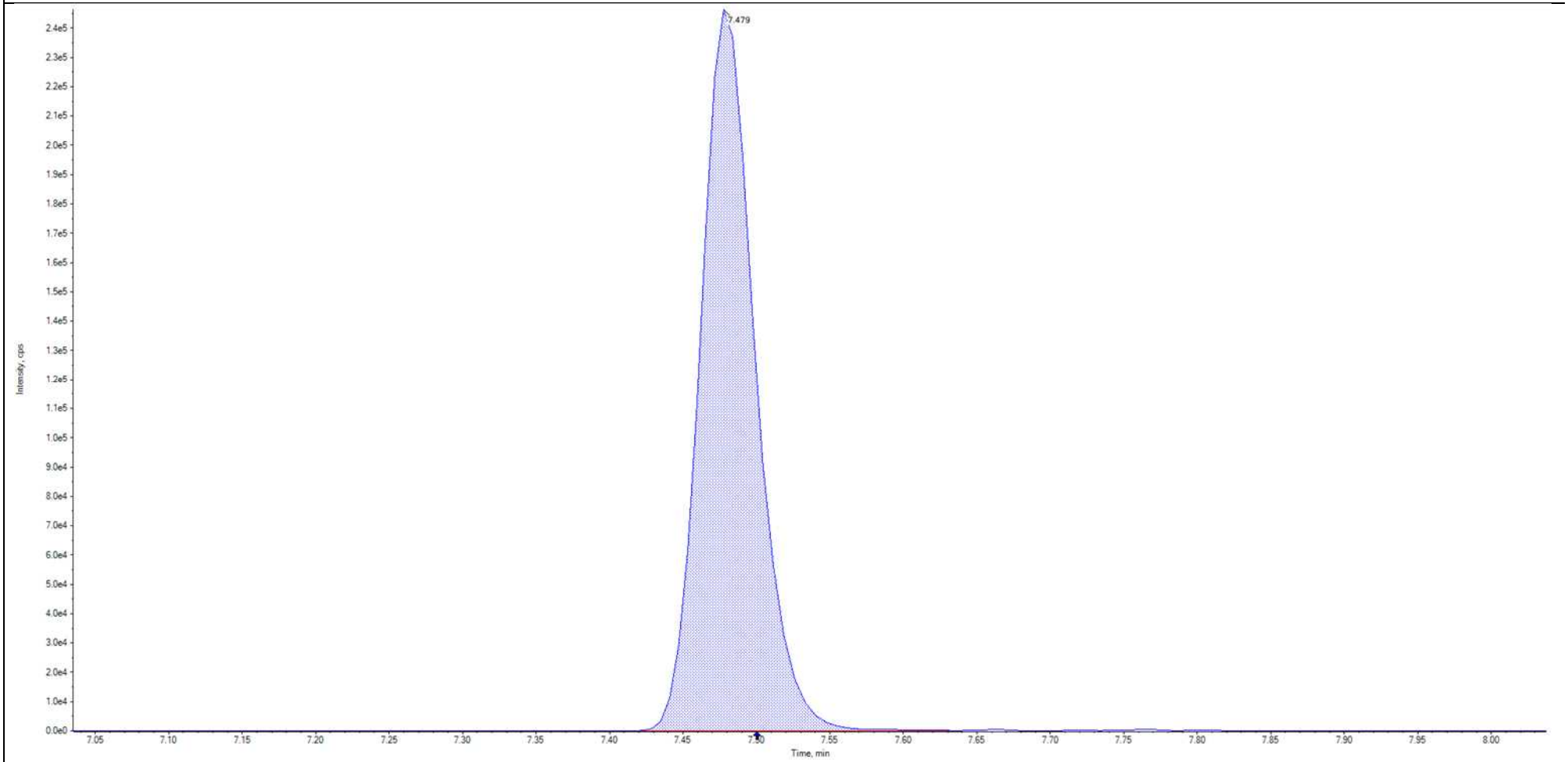
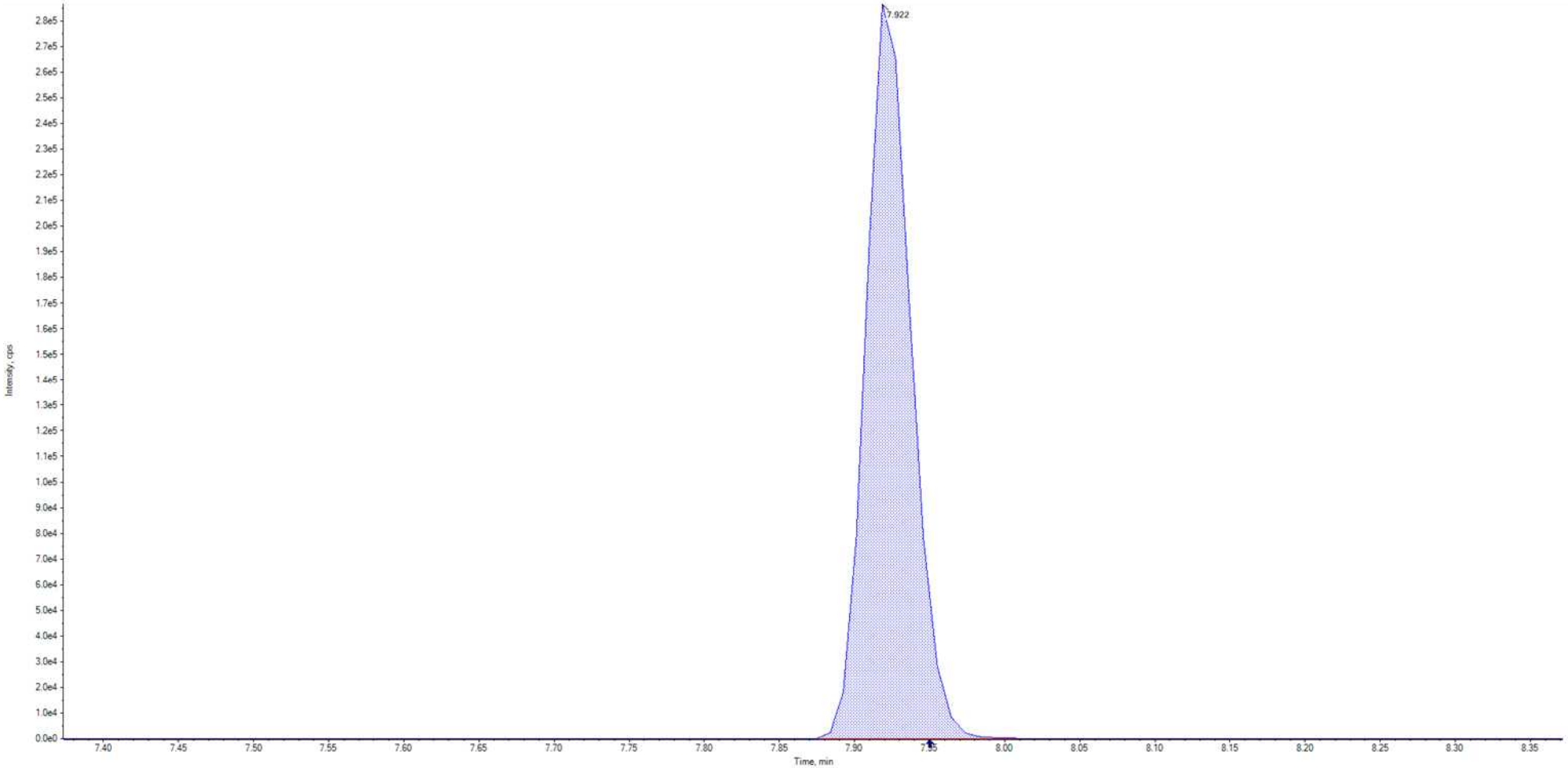
13C4-PFOA
Sample: L2447890-11



13C5-PFNA
Sample: L2447890-11



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C2-PFDA
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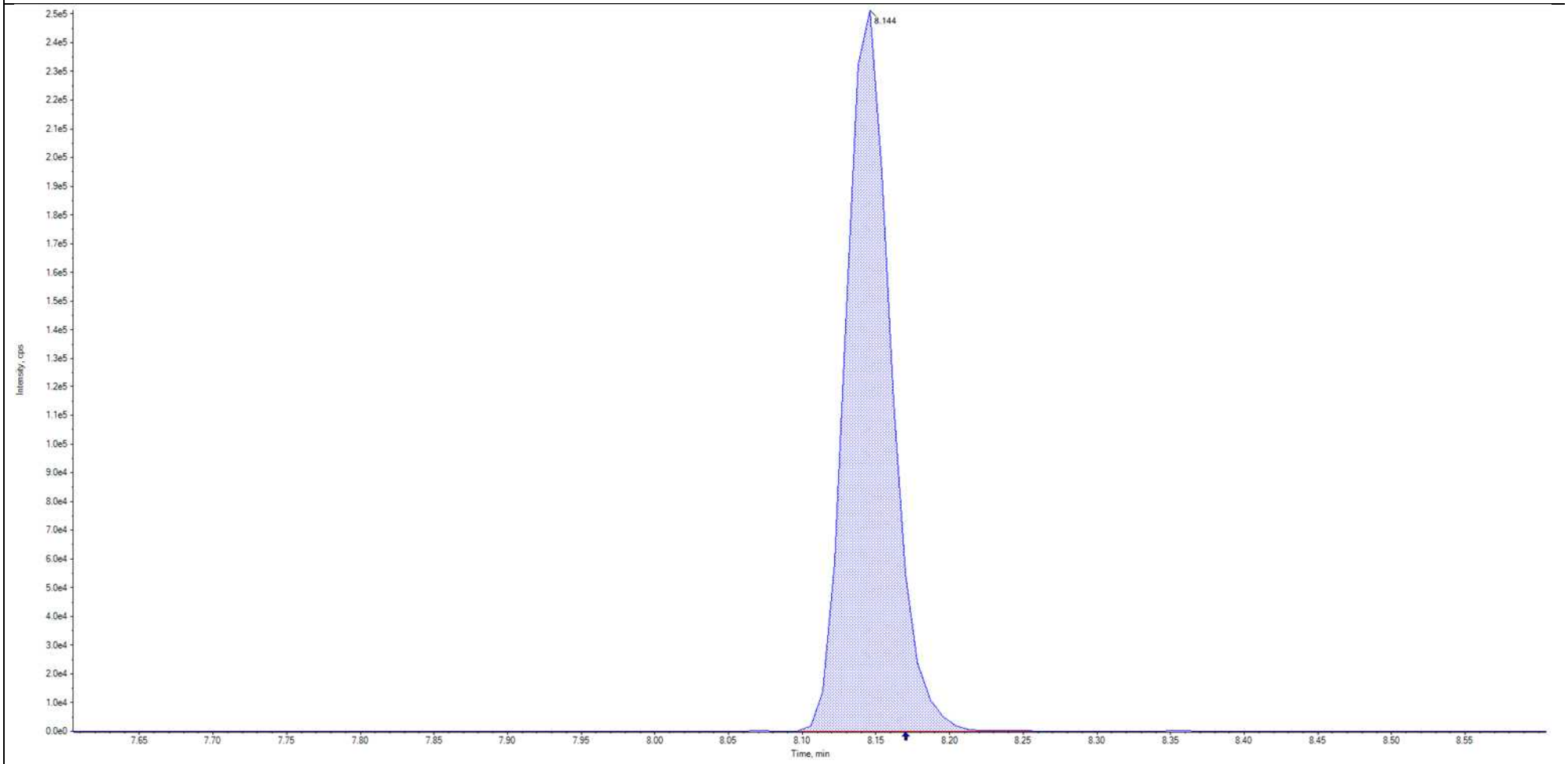
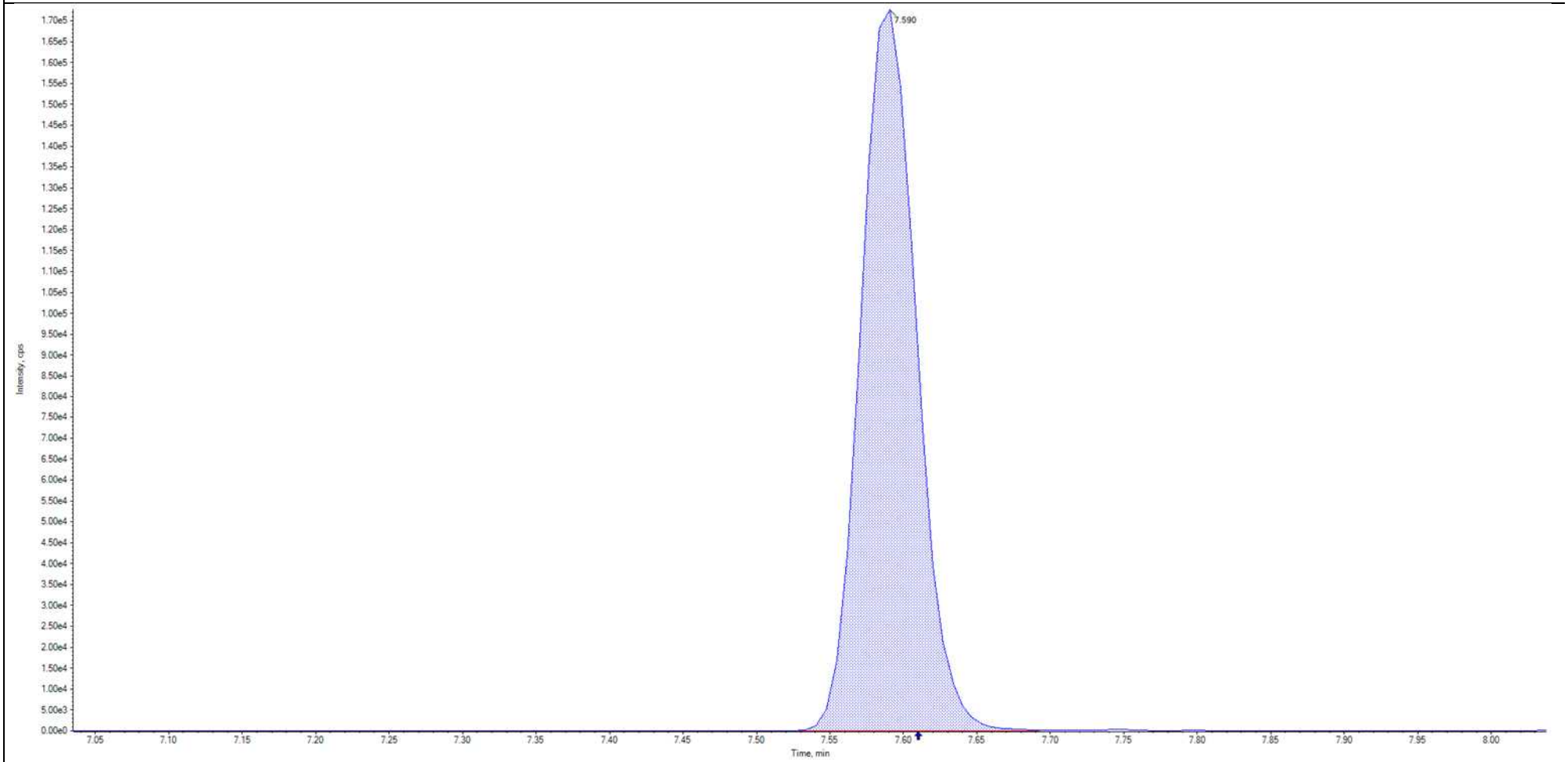
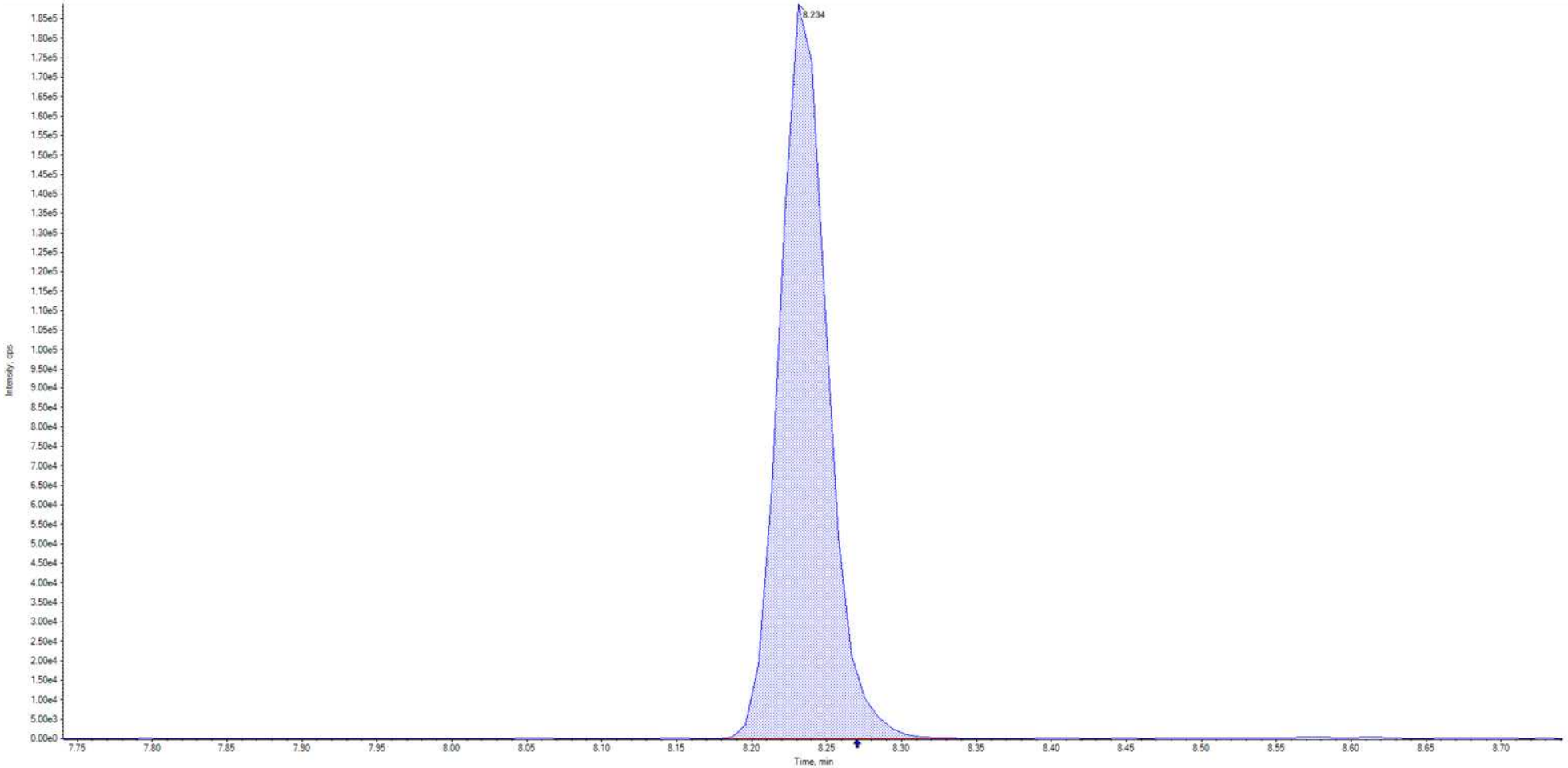


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_24.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

18O2-PFHxS
Sample: L2447890-11



13C4-PFOS
Sample: L2447890-11



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 9/18/2024 6:35:36 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-12
Name: SCI05_240918_25.wiff
Date & Time: 2024-09-18T10:37:53
Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	214961		1.212	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	6.25	363.1 / 319.0	17880		0.045	0.337	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	6032		0.050	0.337	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.48	413.1 / 369.1	108034	M5	0.431	0.520	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.48	413.1 / 169.0	56147	M7	0.409	0.520	0.586	Pass	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.32	299.1 / 80.1	7325	M3	0.026	0.281	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	2059		0.018	0.281	0.396	Pass	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.83	217.0 / 172.0	2187225		8.647	NA	NA	NA	86.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.65	268.0 / 223.0	1437190		4.586	NA	NA	NA	91.7
	13C5-PFHxA	EIS	5.34	318.0 / 273.0	791366		1.922	NA	NA	NA	76.9
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	839243		2.036	NA	NA	NA	81.4
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1205197		2.159	NA	NA	NA	86.3
	13C9-PFNA	EIS	7.92	472.0 / 427.0	548405		0.987	NA	NA	NA	79.0
	13C6-PFDA	EIS	8.14	519.0 / 474.0	493629		0.948	NA	NA	NA	75.8
	13C7-PFUnA	EIS	8.41	570.0 / 525.0	381918		0.906	NA	NA	NA	72.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.82	615.1 / 570.0	322217		1.176	NA	NA	NA	94.1
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	256299		0.861	NA	NA	NA	68.9
	13C3-PFBS	EIS	5.31	302.1 / 80.1	682692		2.065	NA	NA	NA	88.6
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	501503		1.910	NA	NA	NA	80.6
	13C8-PFOS	EIS	8.23	507.1 / 80.1	455720		1.676	NA	NA	NA	70.0
	13C2-4:2FTS	EIS	5.14	329.1 / 81.1	296382		5.023	NA	NA	NA	107.1
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	153156		3.542	NA	NA	NA	74.5
	13C2-8:2FTS	EIS	8.04	529.2 / 81.1	207077		3.272	NA	NA	NA	68.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	657593		1.819	NA	NA	NA	72.8
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	103150		1.695	NA	NA	NA	67.8
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	100829		1.696	NA	NA	NA	67.8
	d3-NMeFOSAA	EIS	8.19	573.2 / 419.1	309843		2.252	NA	NA	NA	45.0
	d5-NEtFOSAA	EIS	8.32	589.3 / 419.1	222412		3.076	NA	NA	NA	61.5
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	856103		18.218	NA	NA	NA	72.9
	d9-NEtFOSE	EIS	10.24	639.2 / 58.9	1294568		18.685	NA	NA	NA	74.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2294122		8.408	NA	NA	NA	84.1
	13C3-PFBA	NIS	2.83	216.0 / 172.0	1106446		5.175	NA	NA	NA	103.5
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1222376		2.497	NA	NA	NA	99.9
	13C4-PFOA	NIS	7.48	417.0 / 372.0	730395		2.333	NA	NA	NA	93.3
	13C5-PFNA	NIS	7.92	468.0 / 423.0	676970		1.236	NA	NA	NA	98.9
	13C2-PFDA	NIS	8.14	515.1 / 470.1	611730		1.194	NA	NA	NA	95.5
	18O2-PFHxS	NIS	7.58	403.1 / 84.1	533704		2.278	NA	NA	NA	96.1
	13C4-PFOS	NIS	8.23	503.1 / 80.1	480970		2.284	NA	NA	NA	95.4

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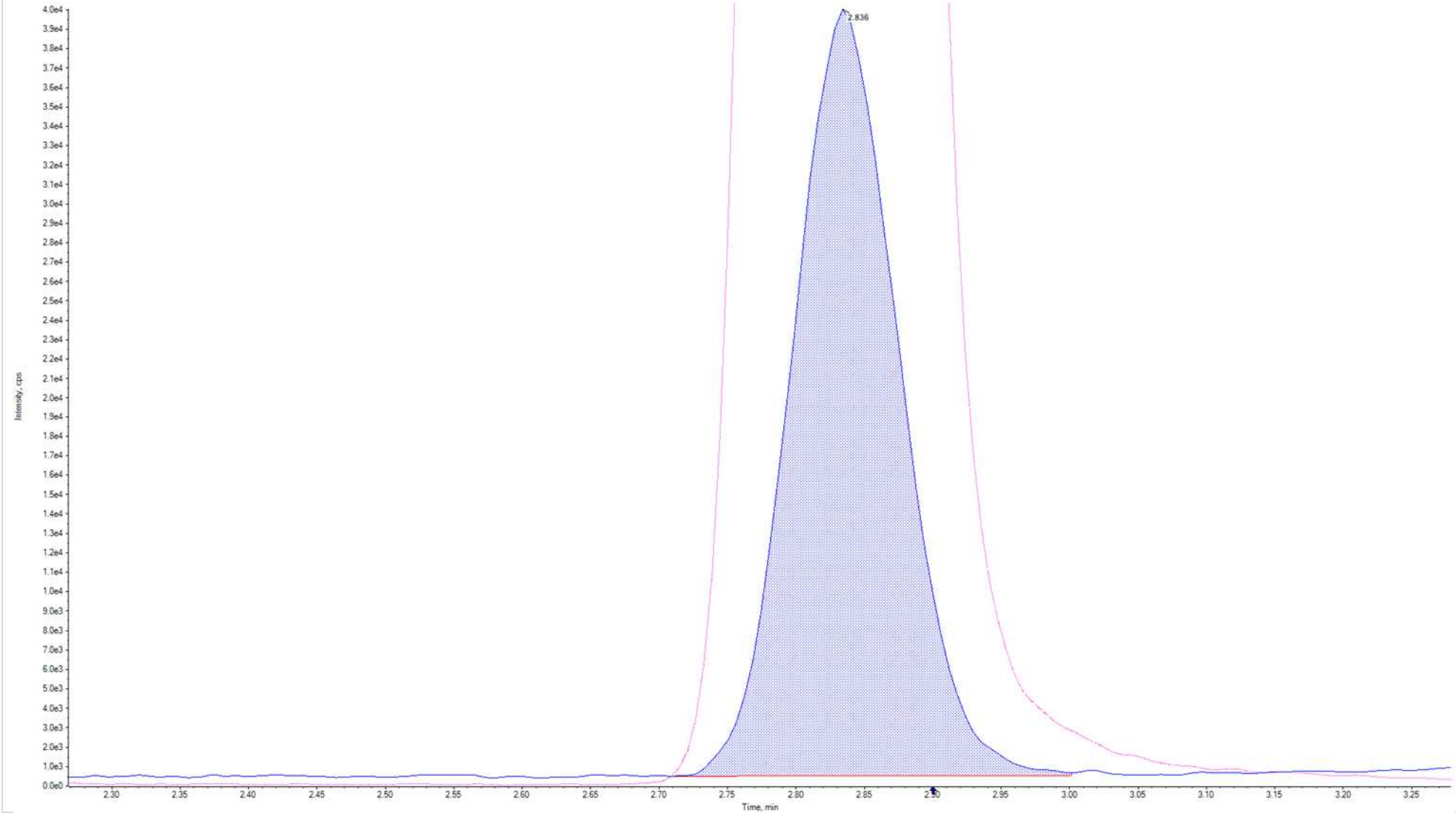
PFBA
Sample: L2447890-12 S/N:867.0 Points Across peak:50



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PFPeA
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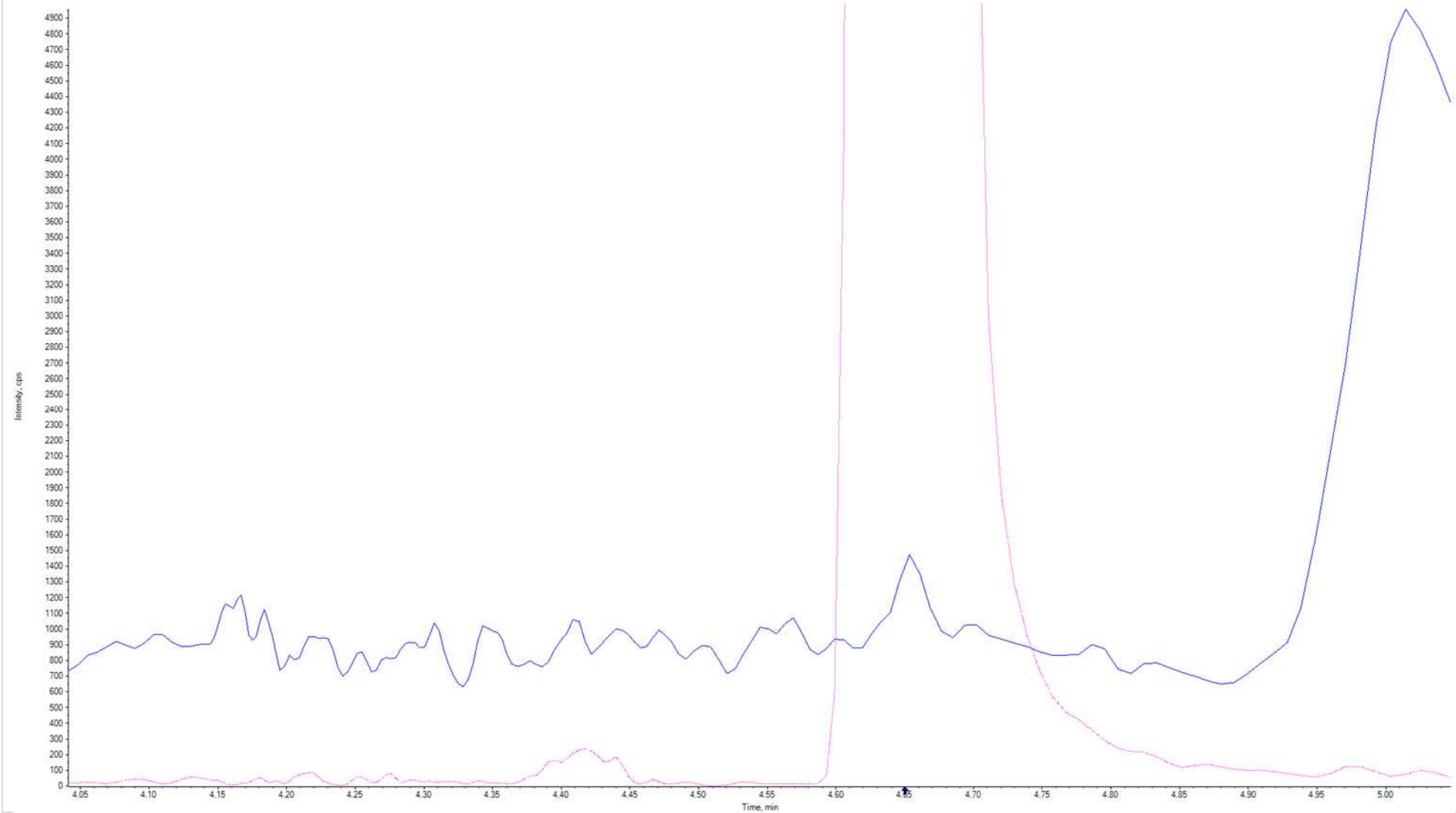

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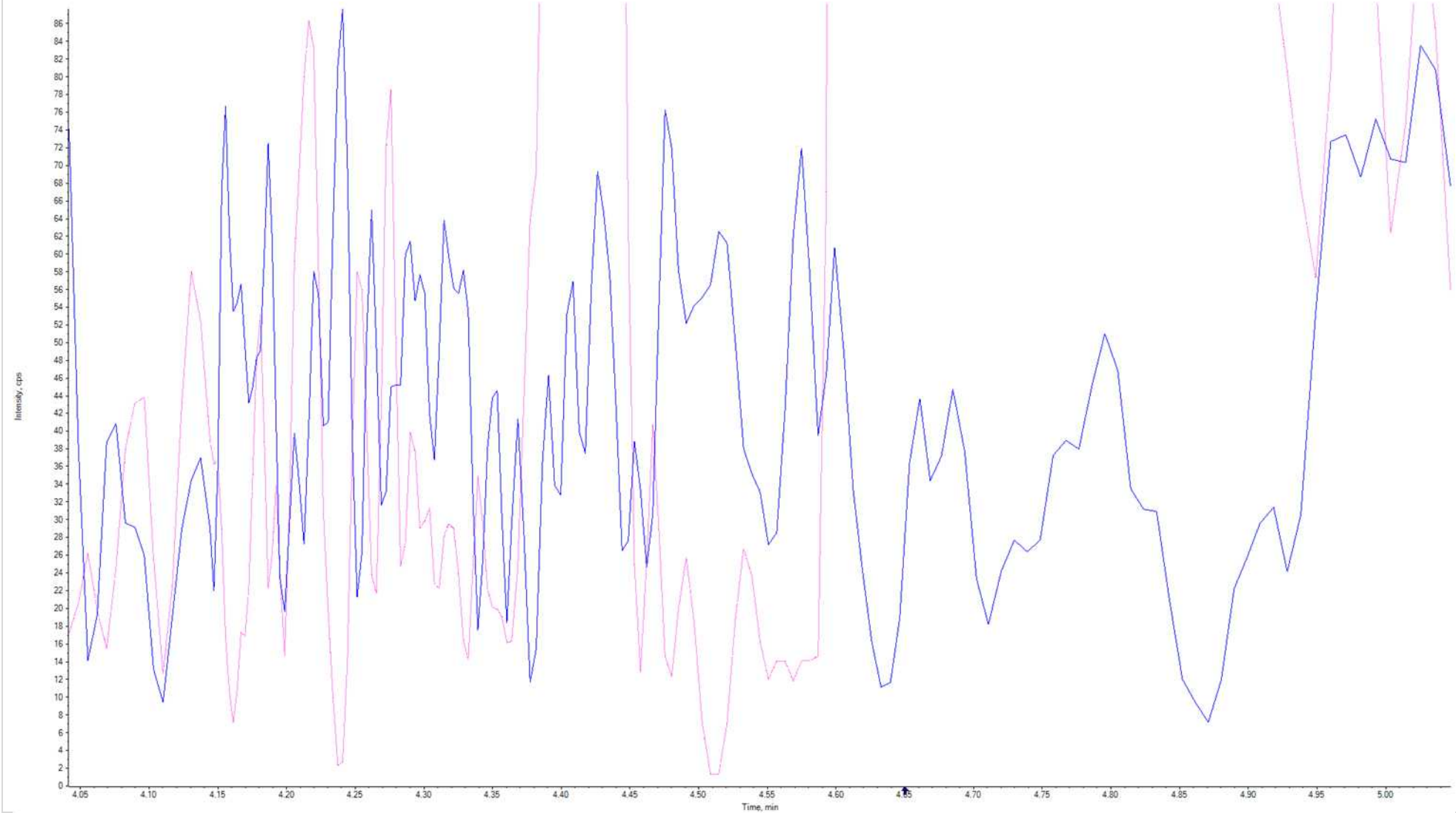
PFPeA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



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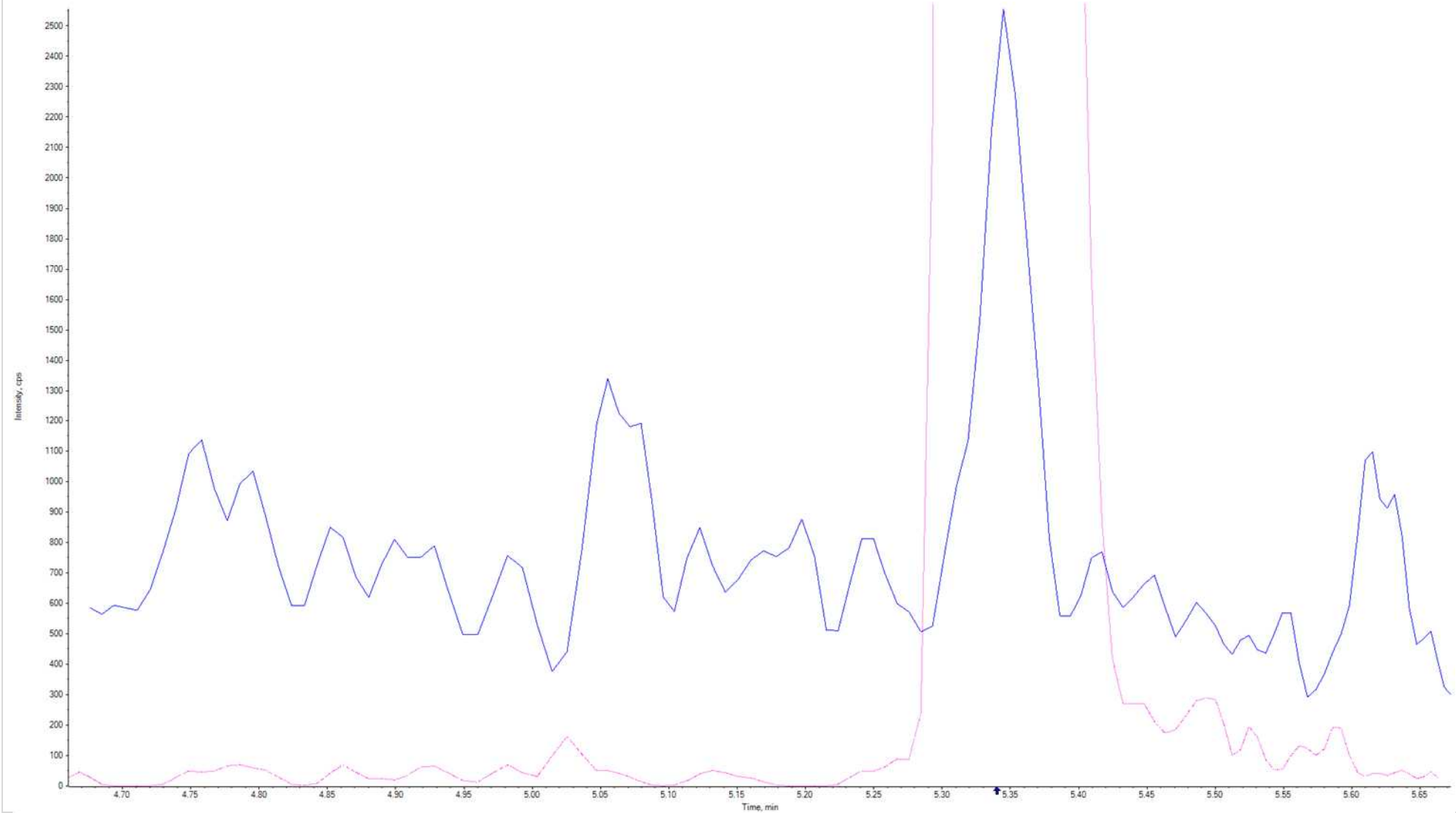
PFHxA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



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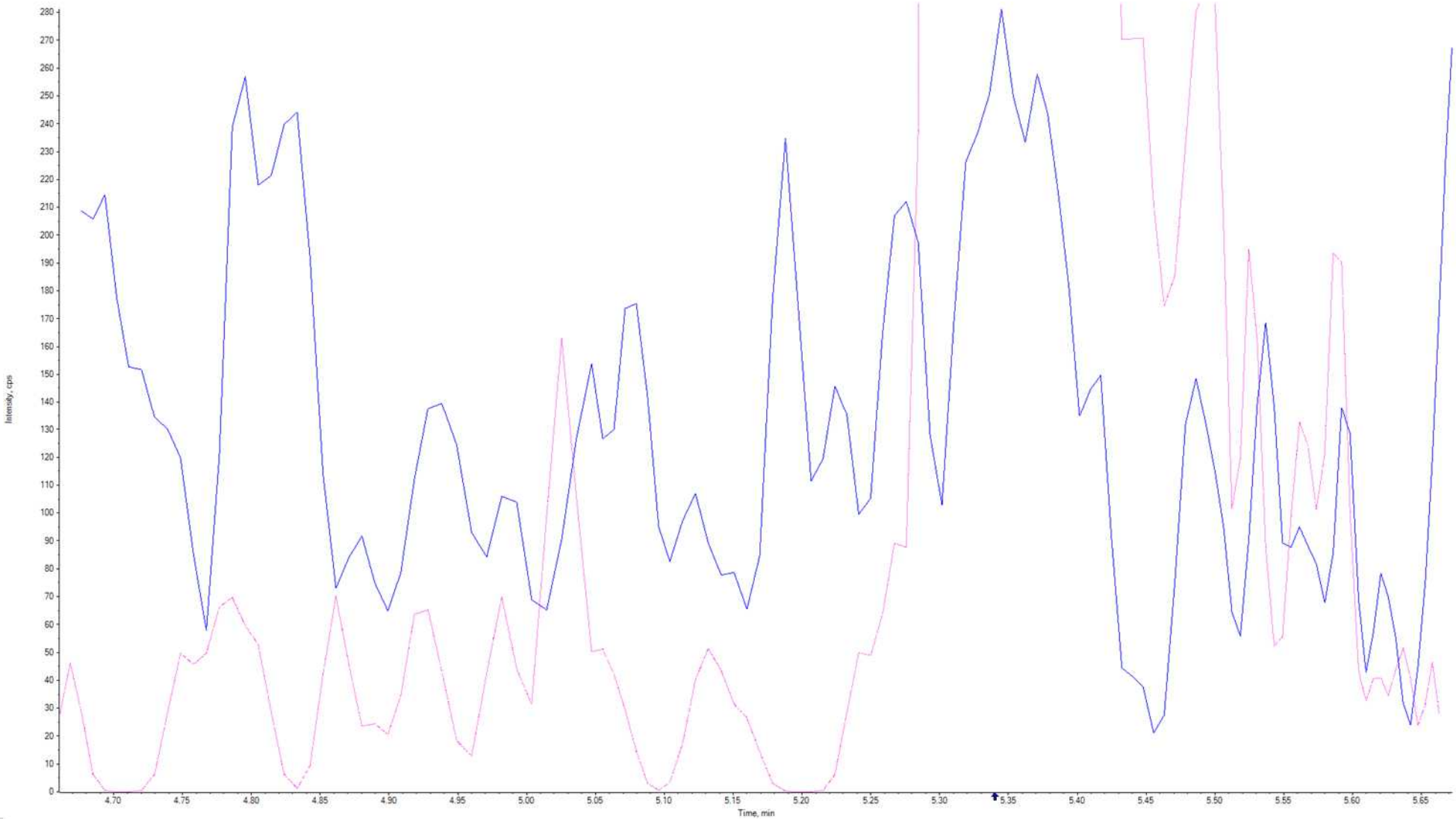
PFHxA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



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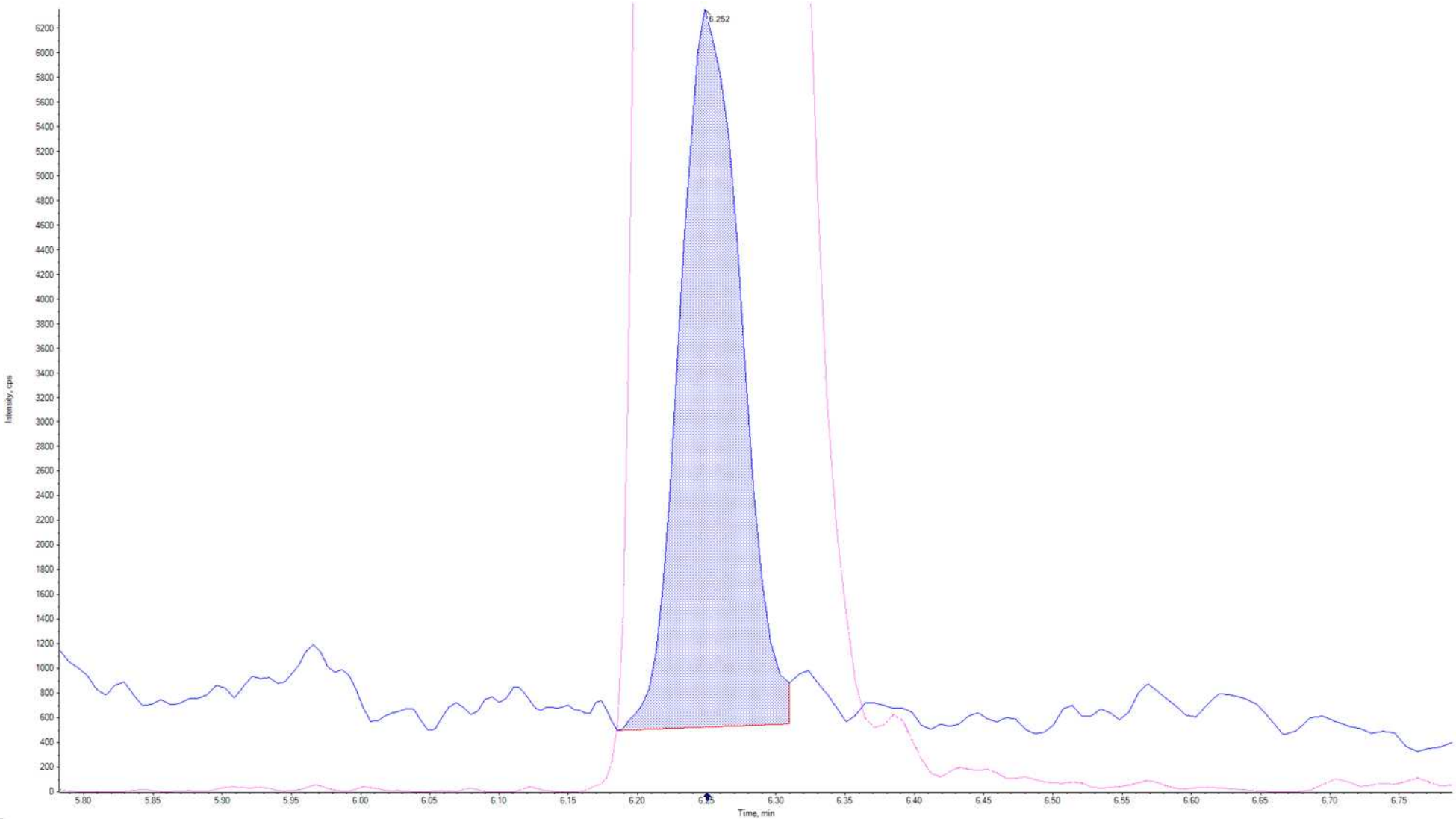
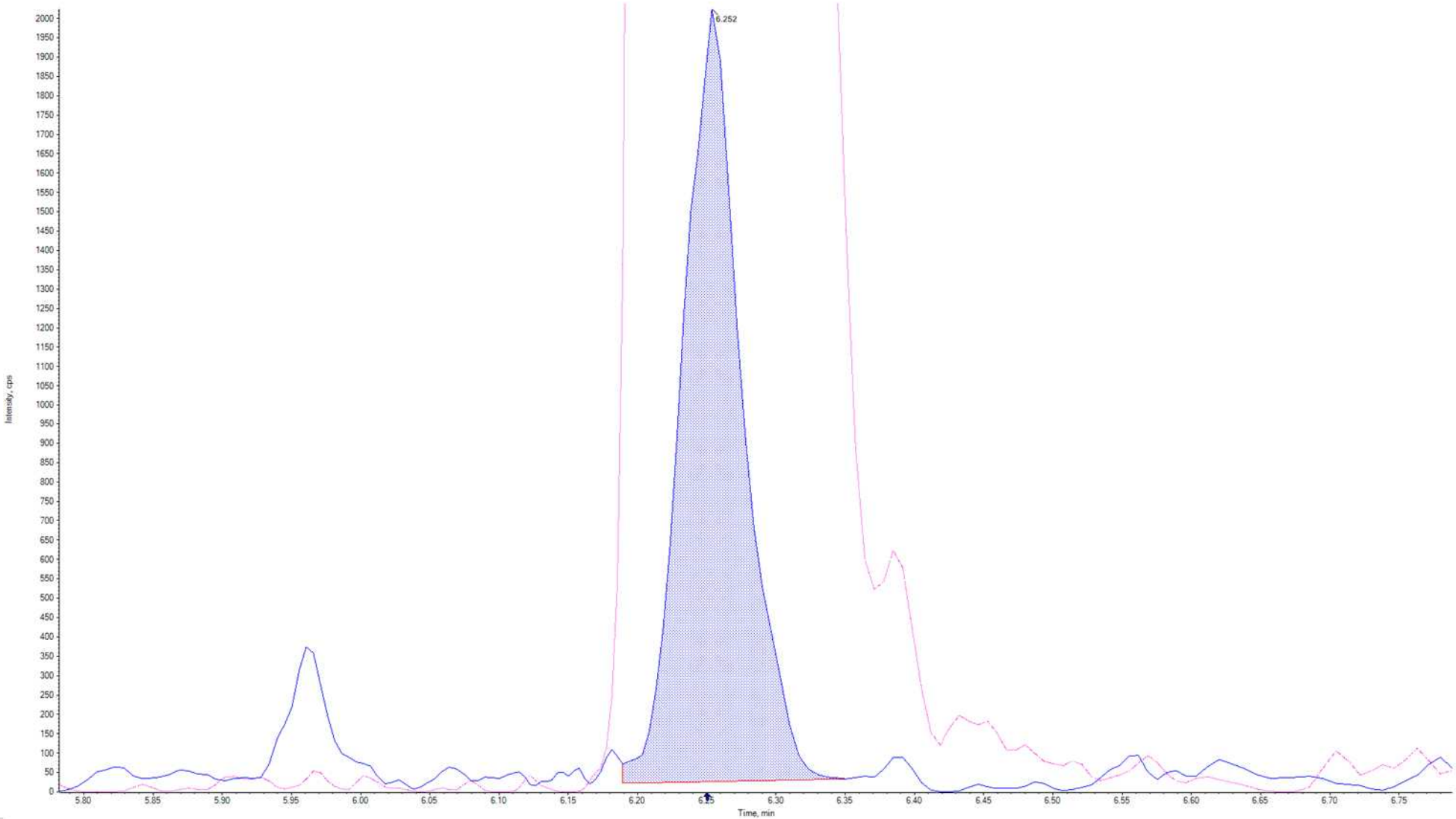
PFHpA
Sample: L2447890-12 S/N:145.5 Points Across peak:24



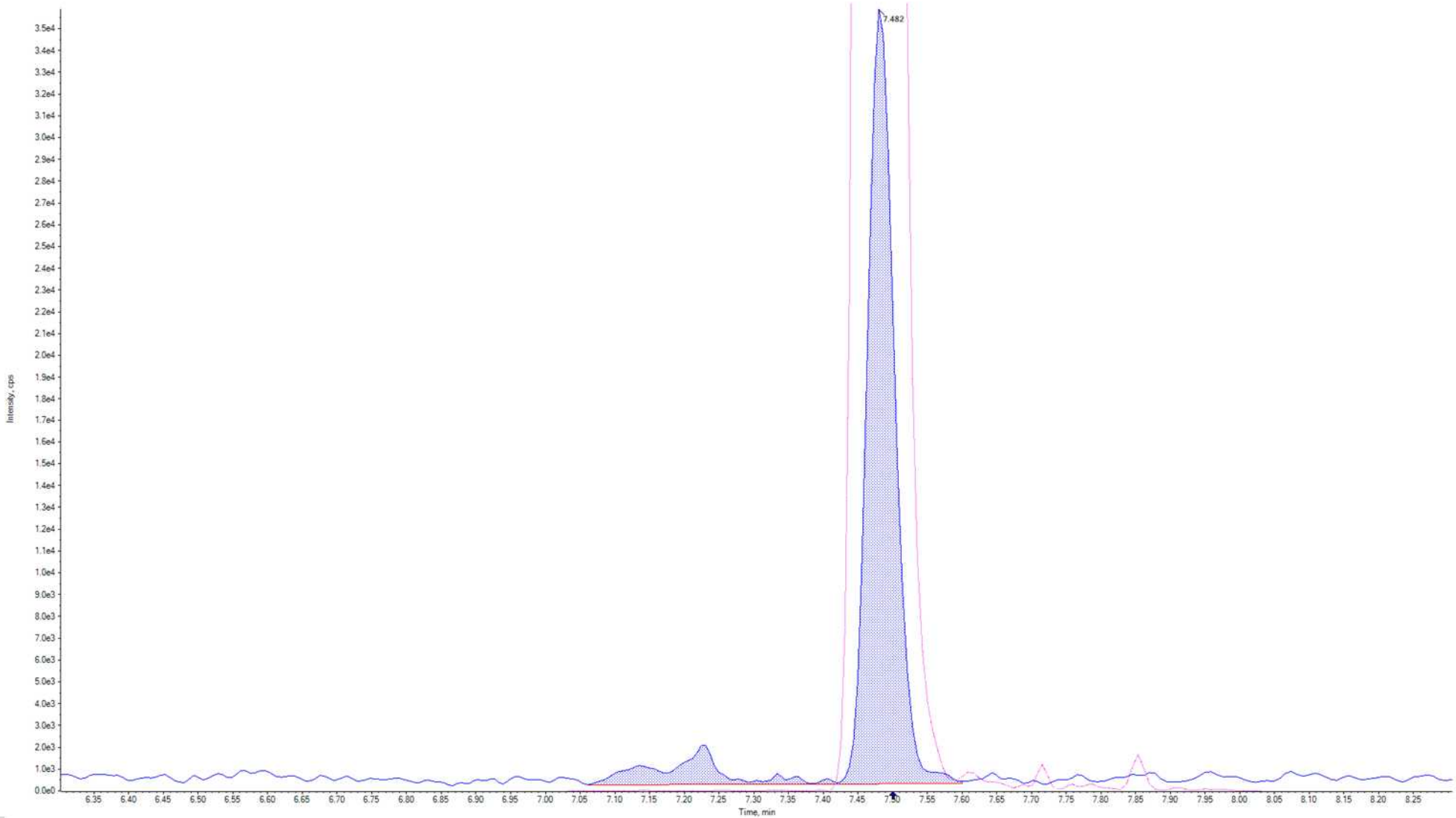
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA_2
Sample: L2447890-12 S/N:1786.6 Points Across peak:29



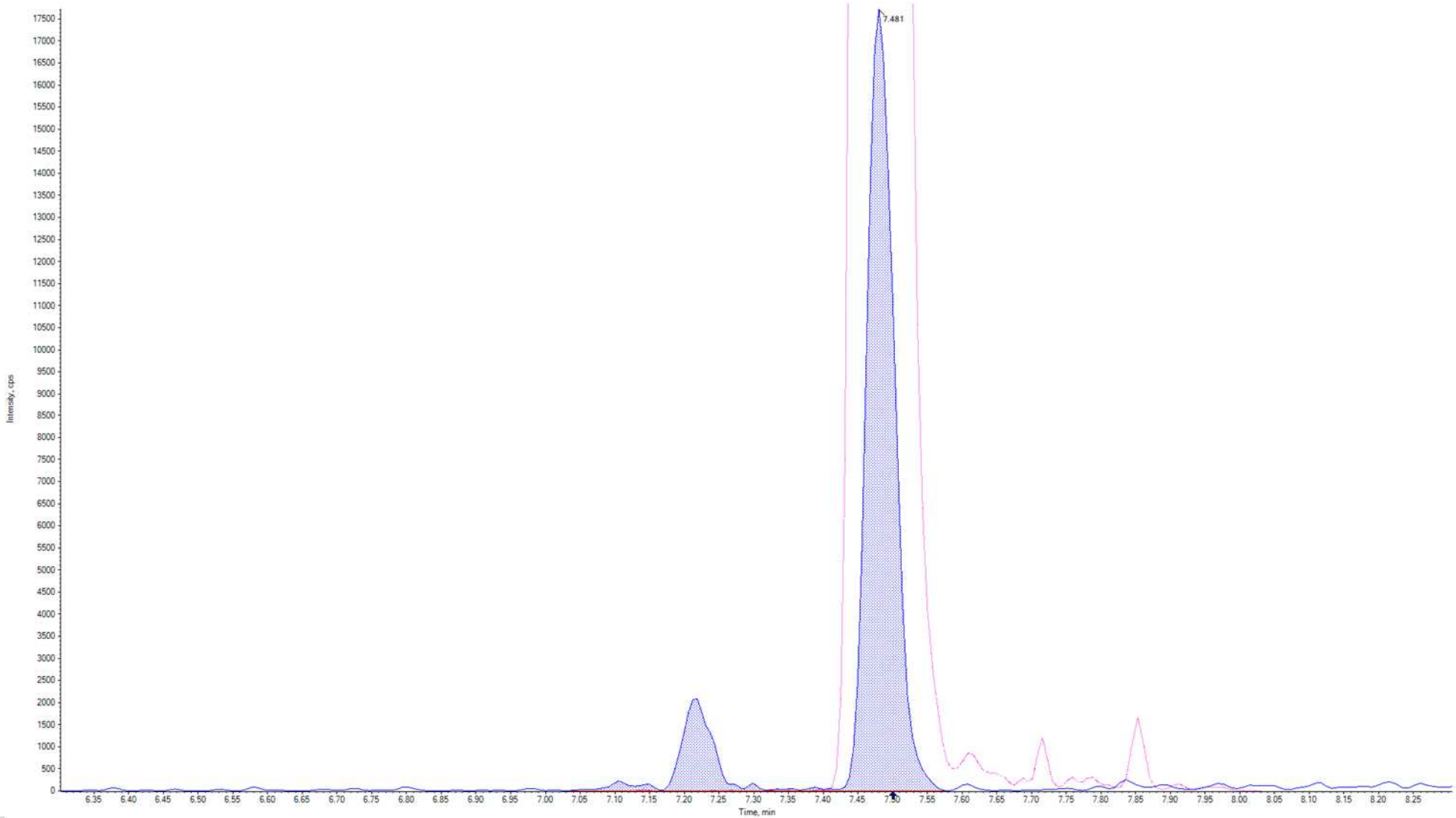
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFOA
Sample: L2447890-12 S/N:650.5 Points Across peak:86



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFOA_2
Sample: L2447890-12 S/N:58117.2 Points Across peak:88



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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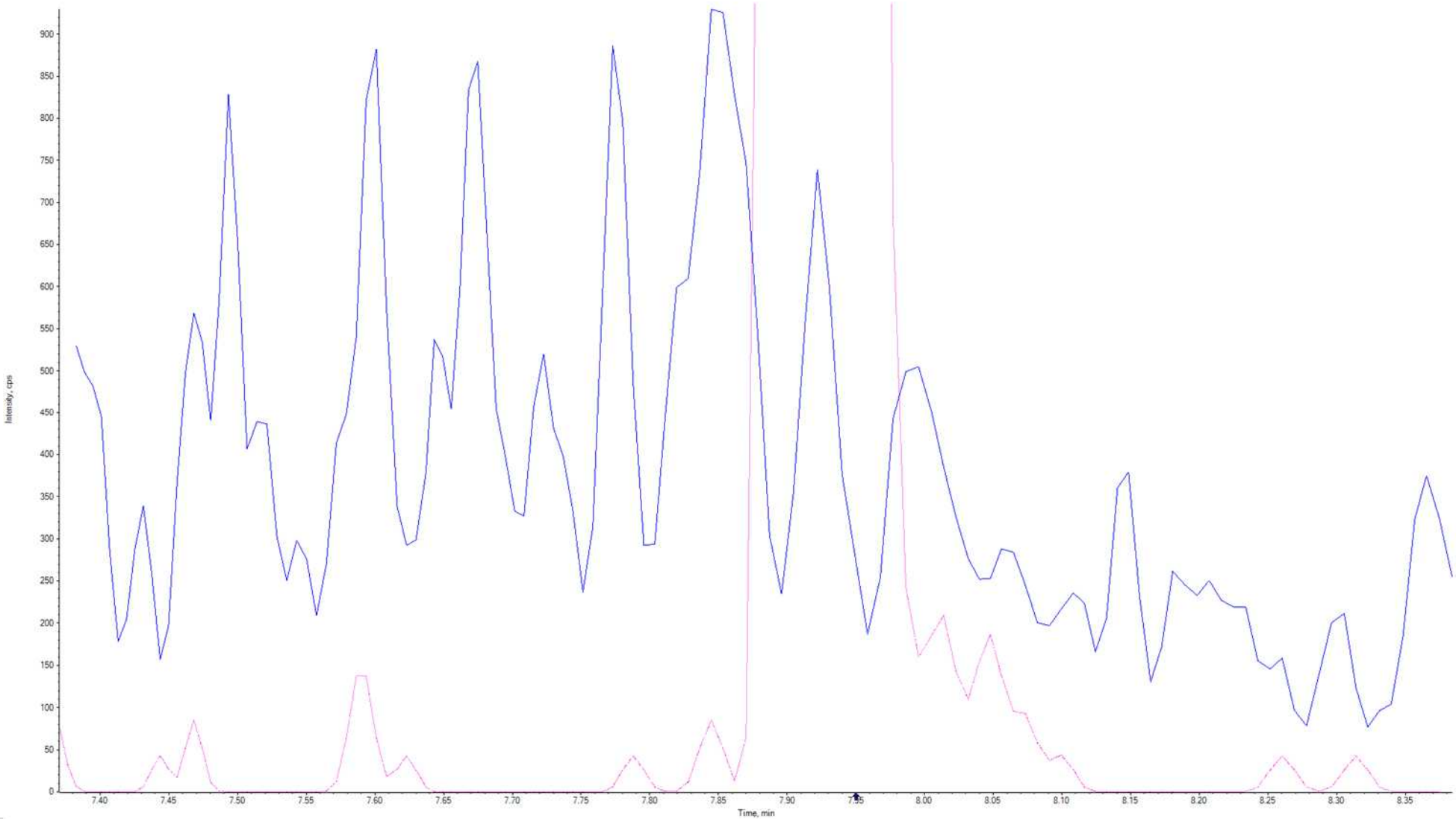
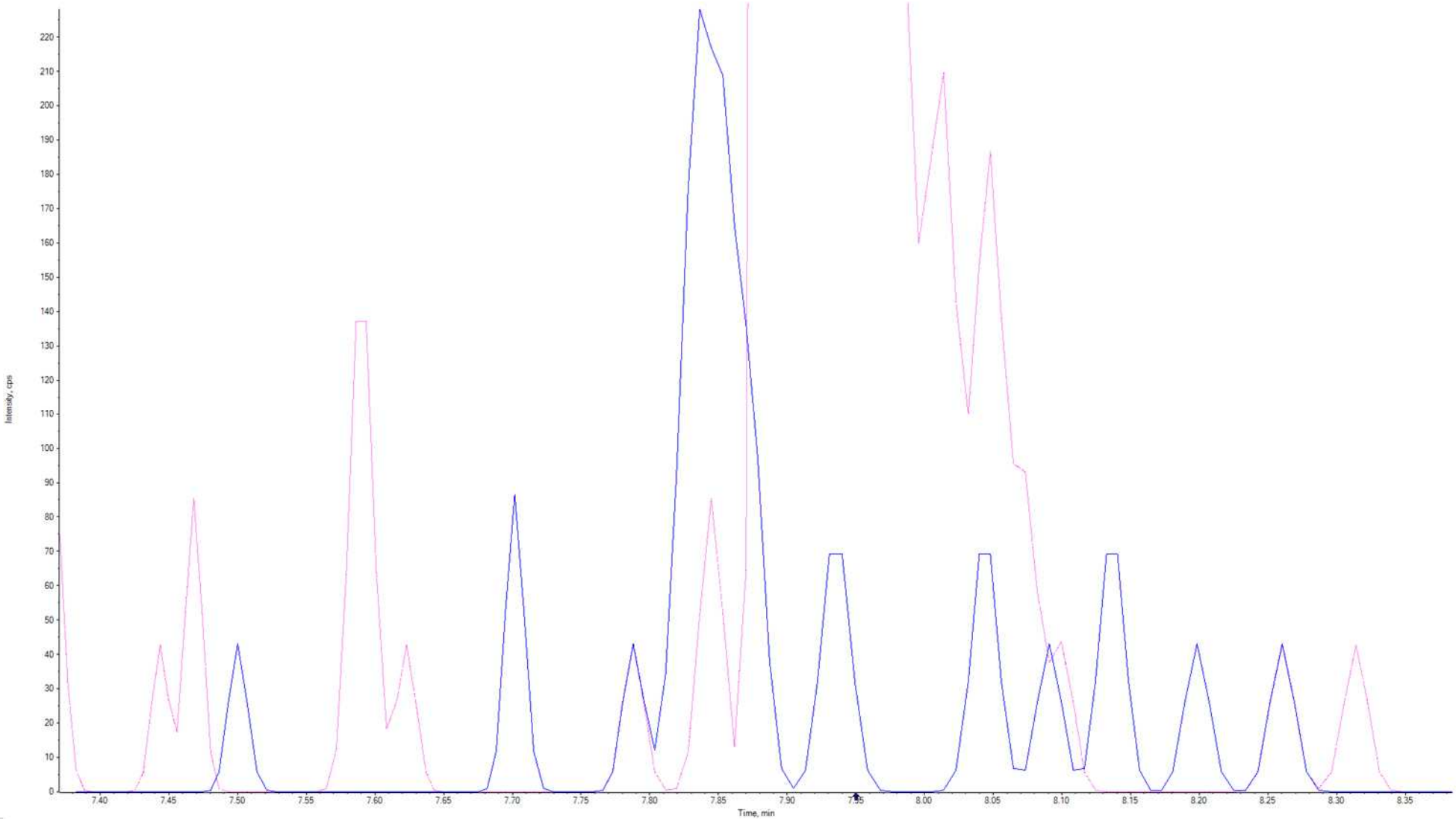
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



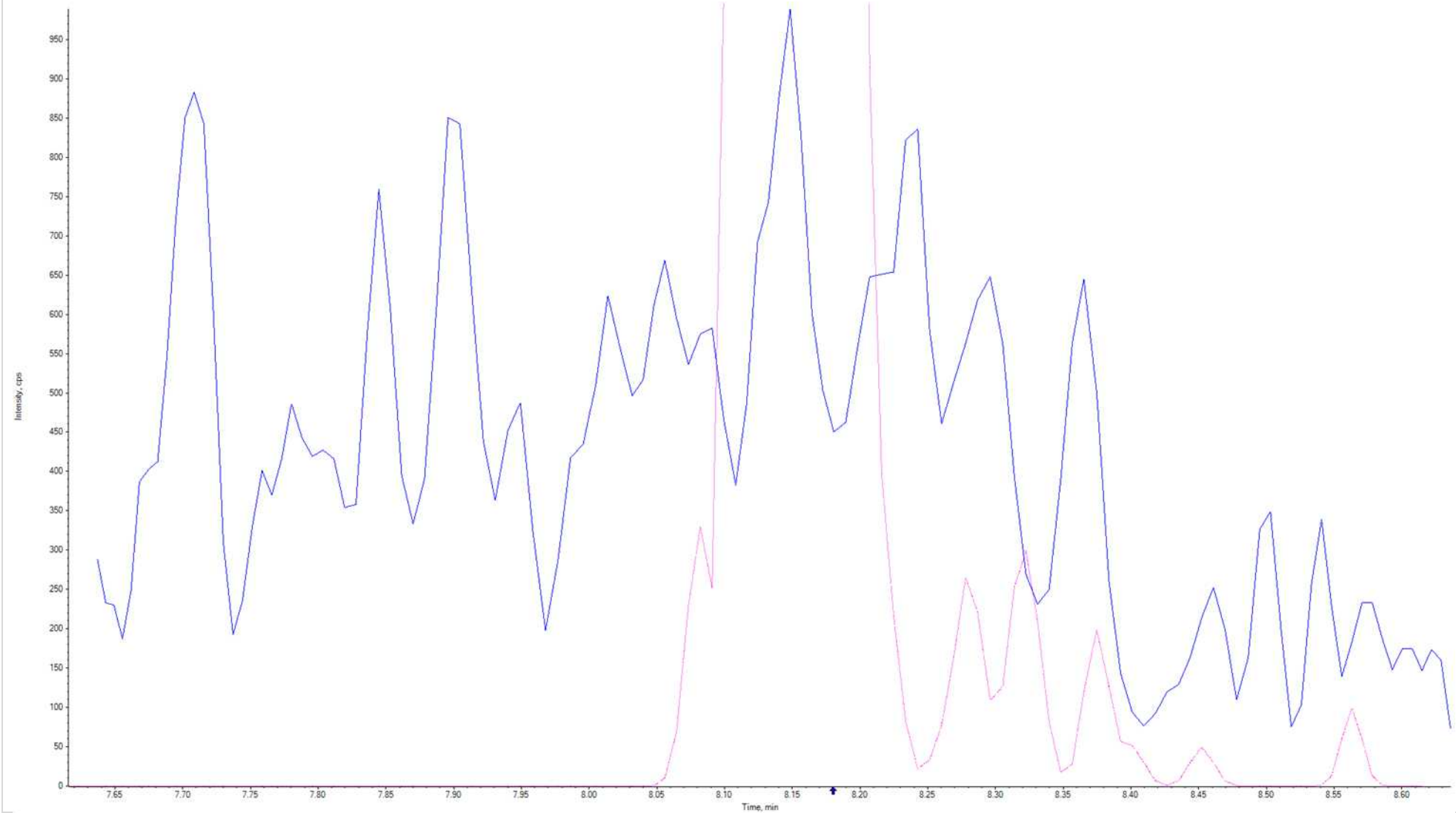
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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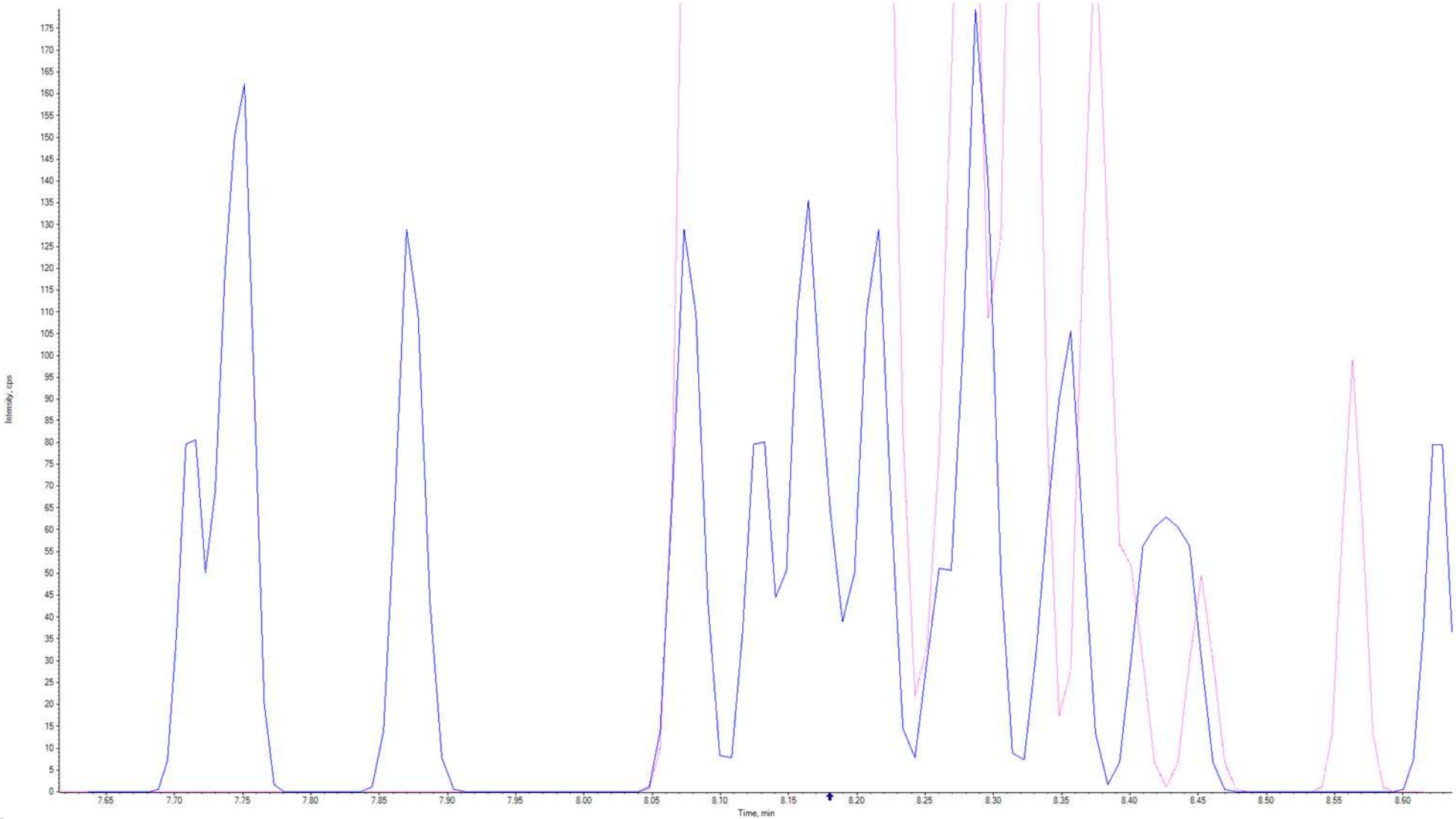
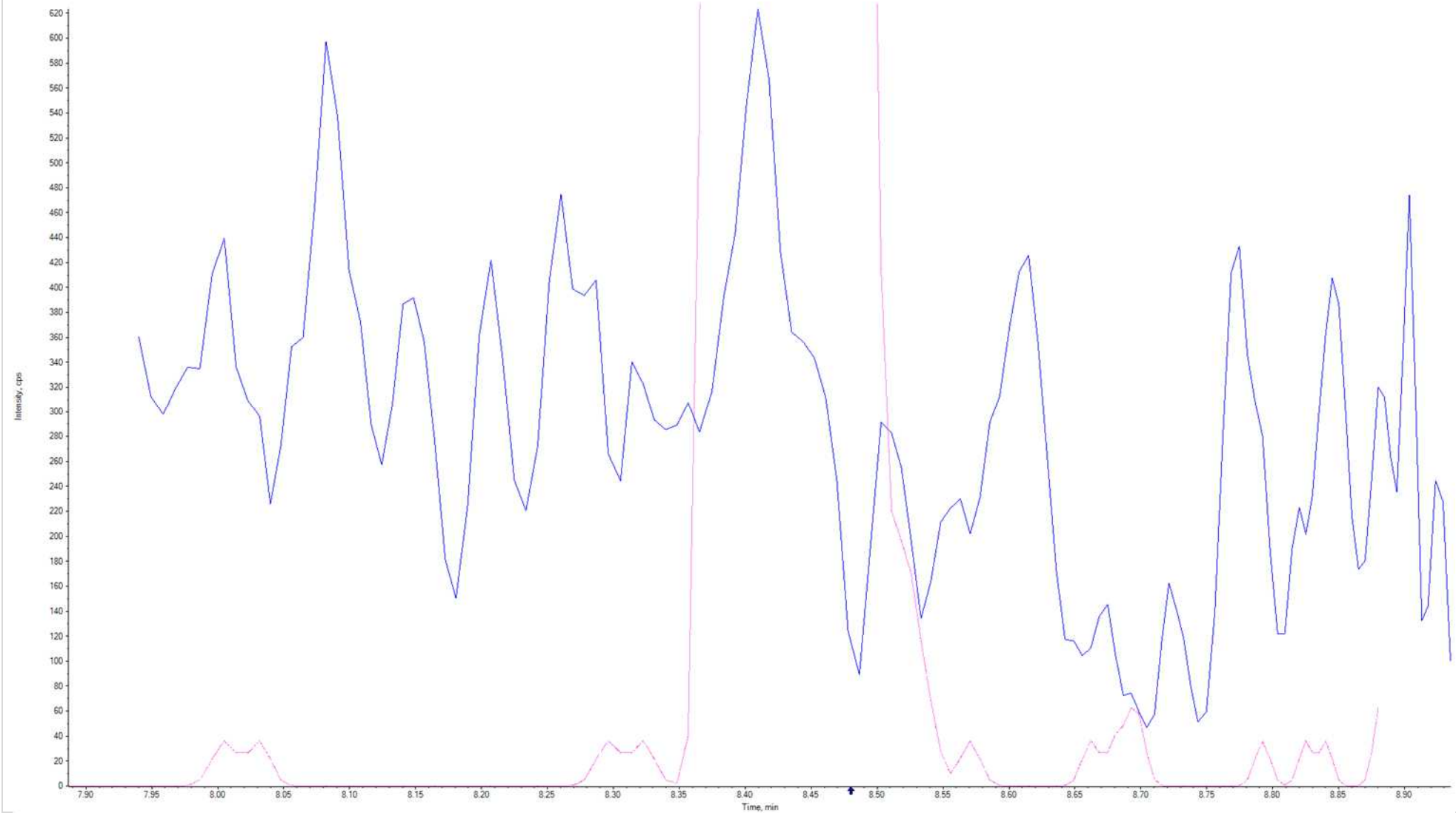
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



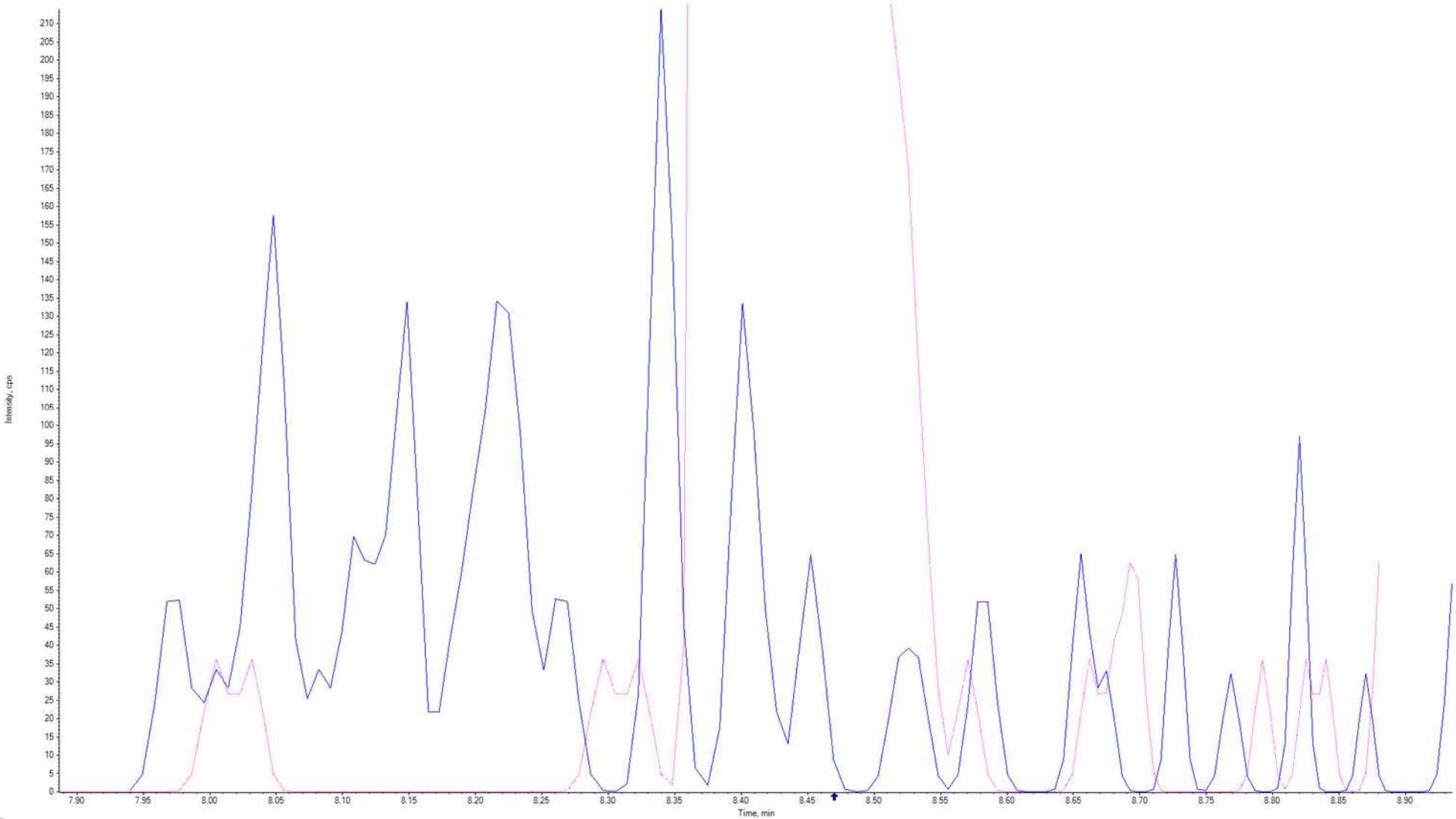
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



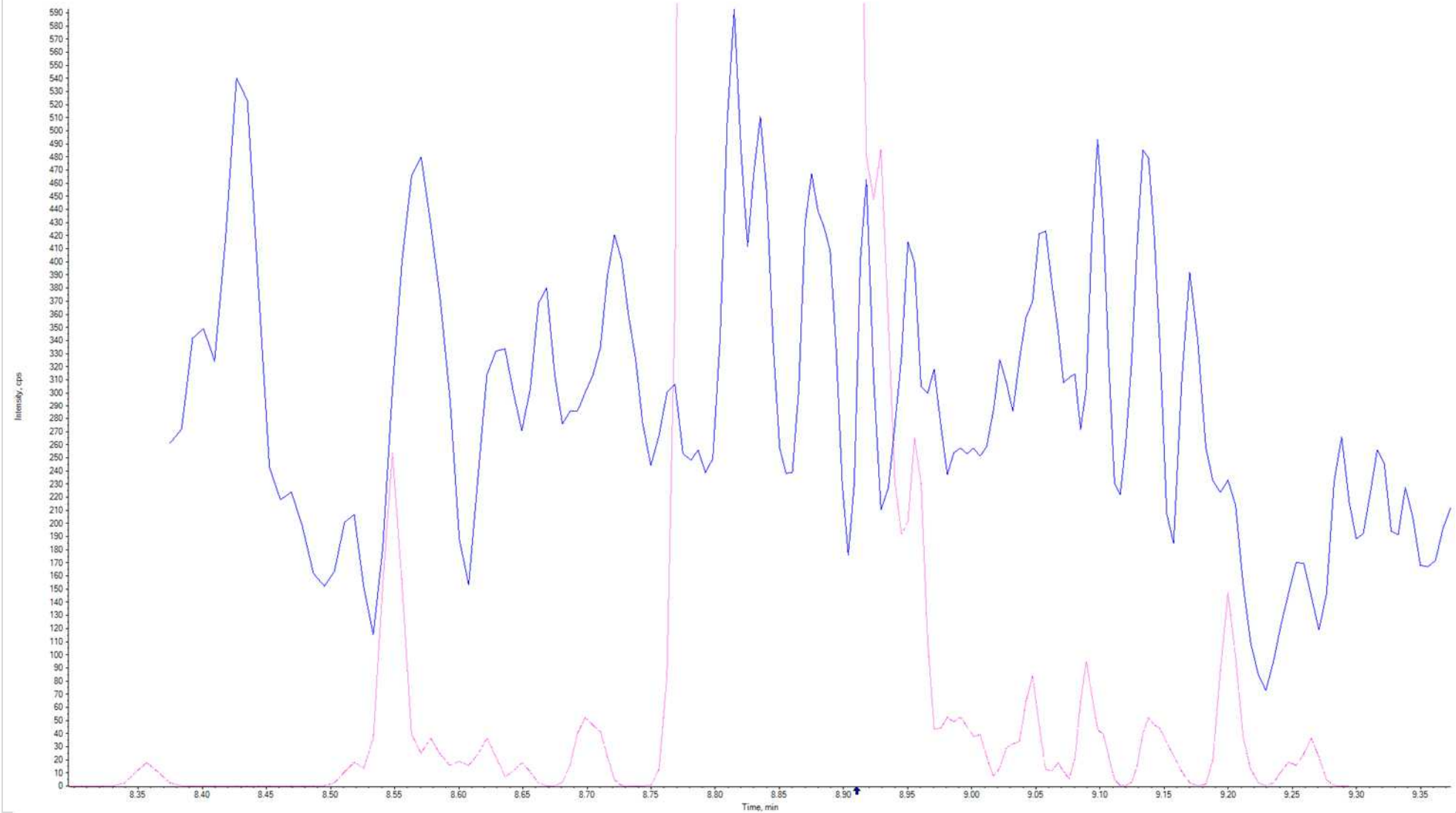
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFUnA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



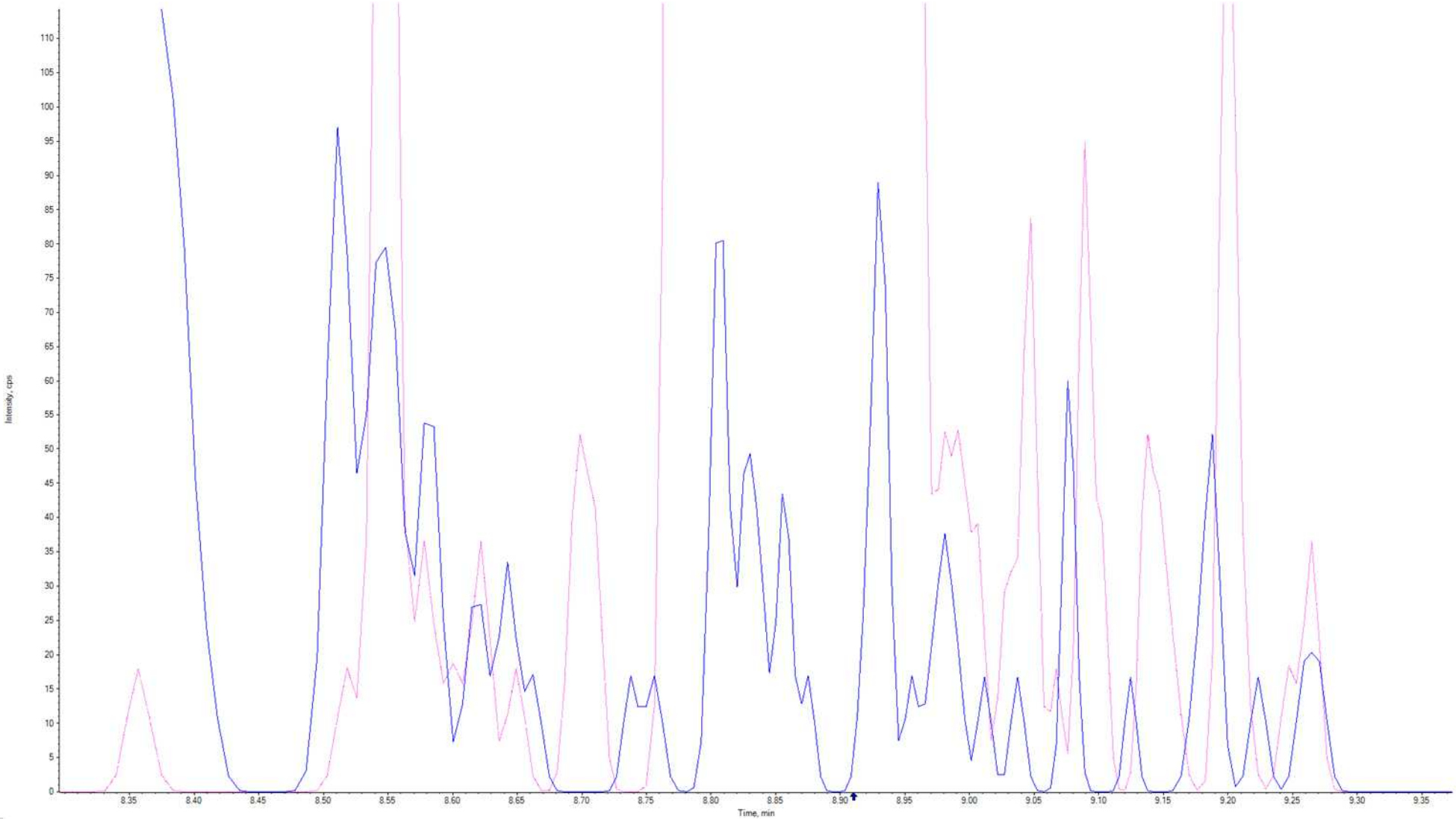
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



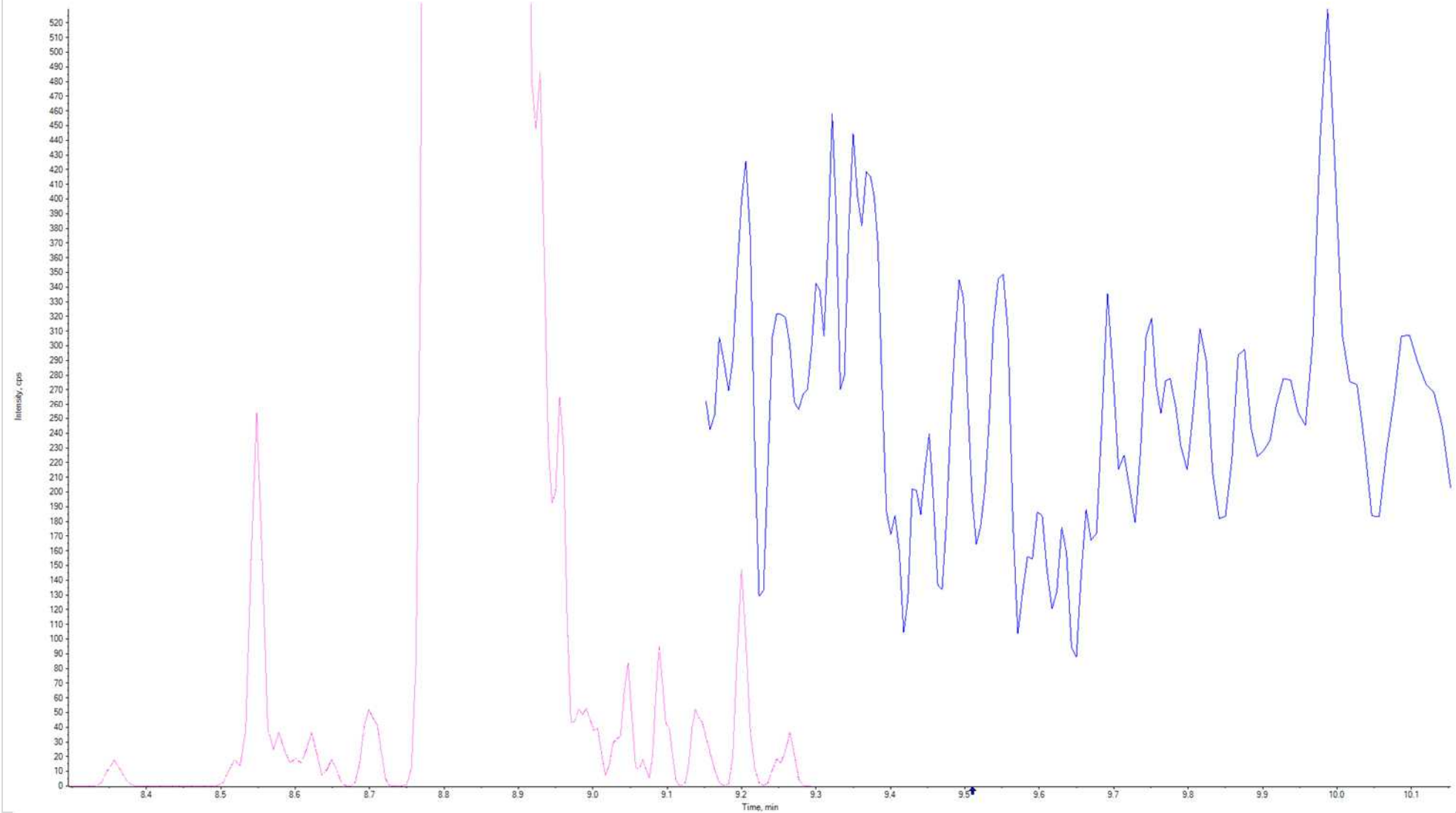
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



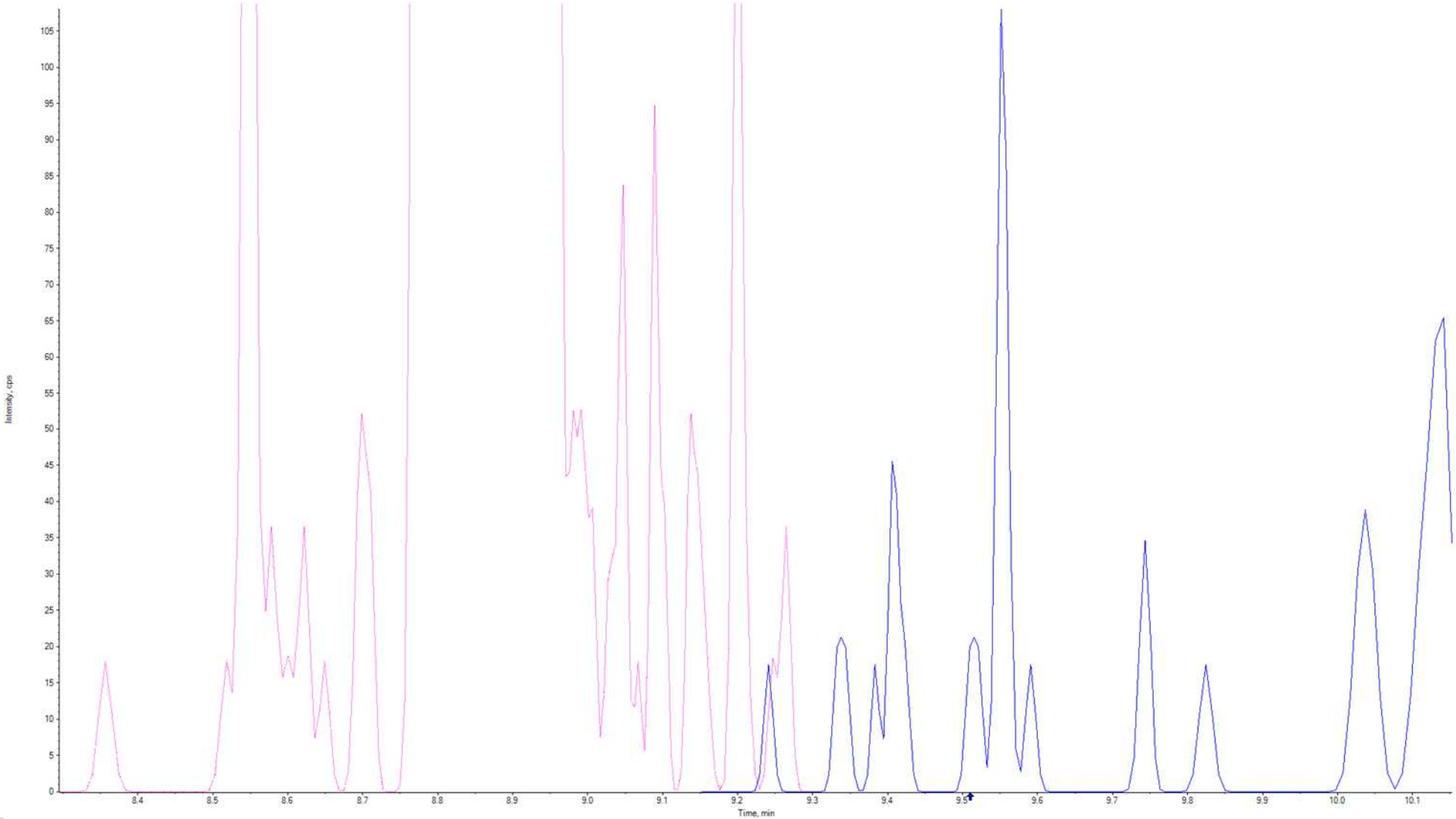
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



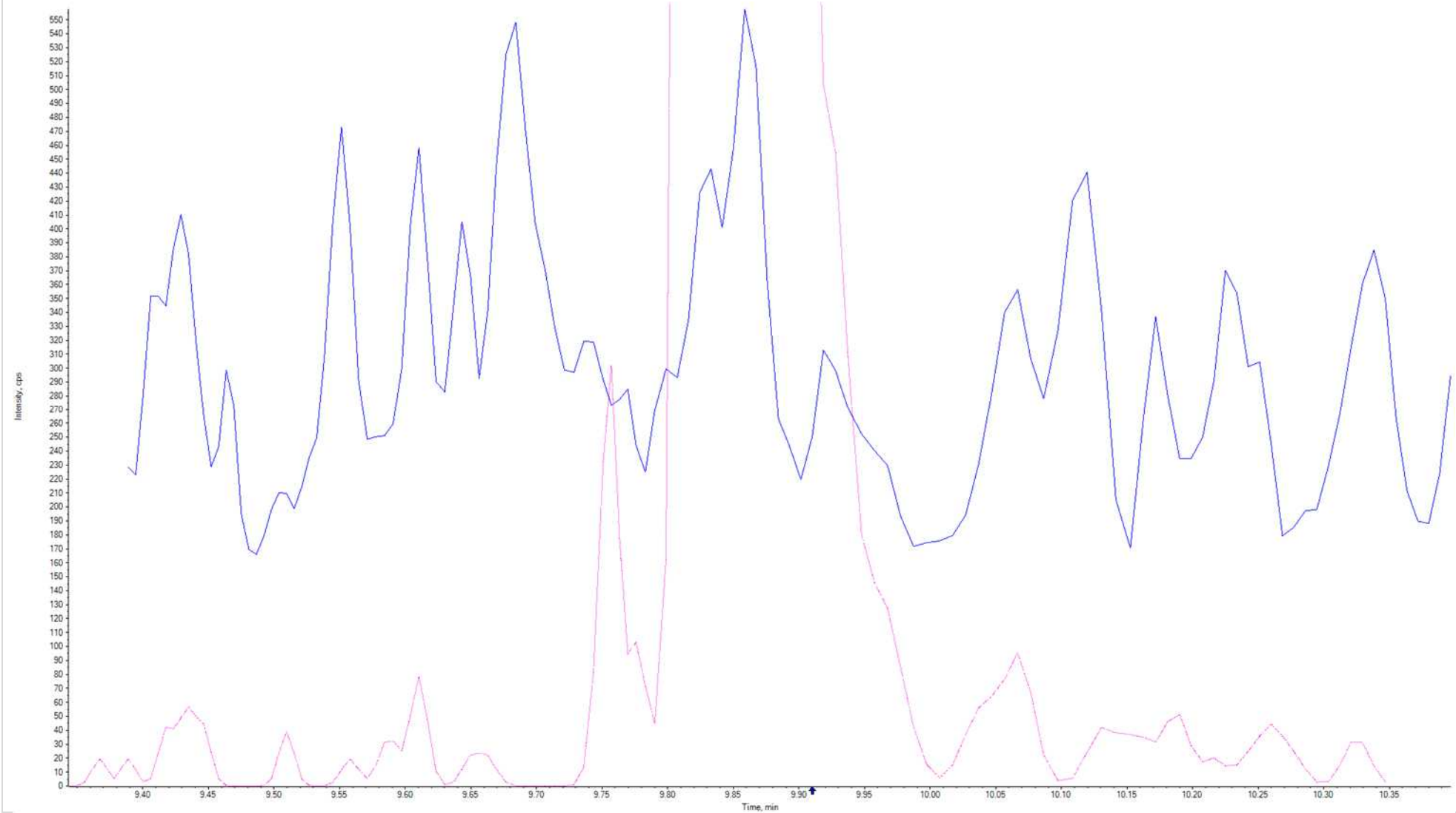
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



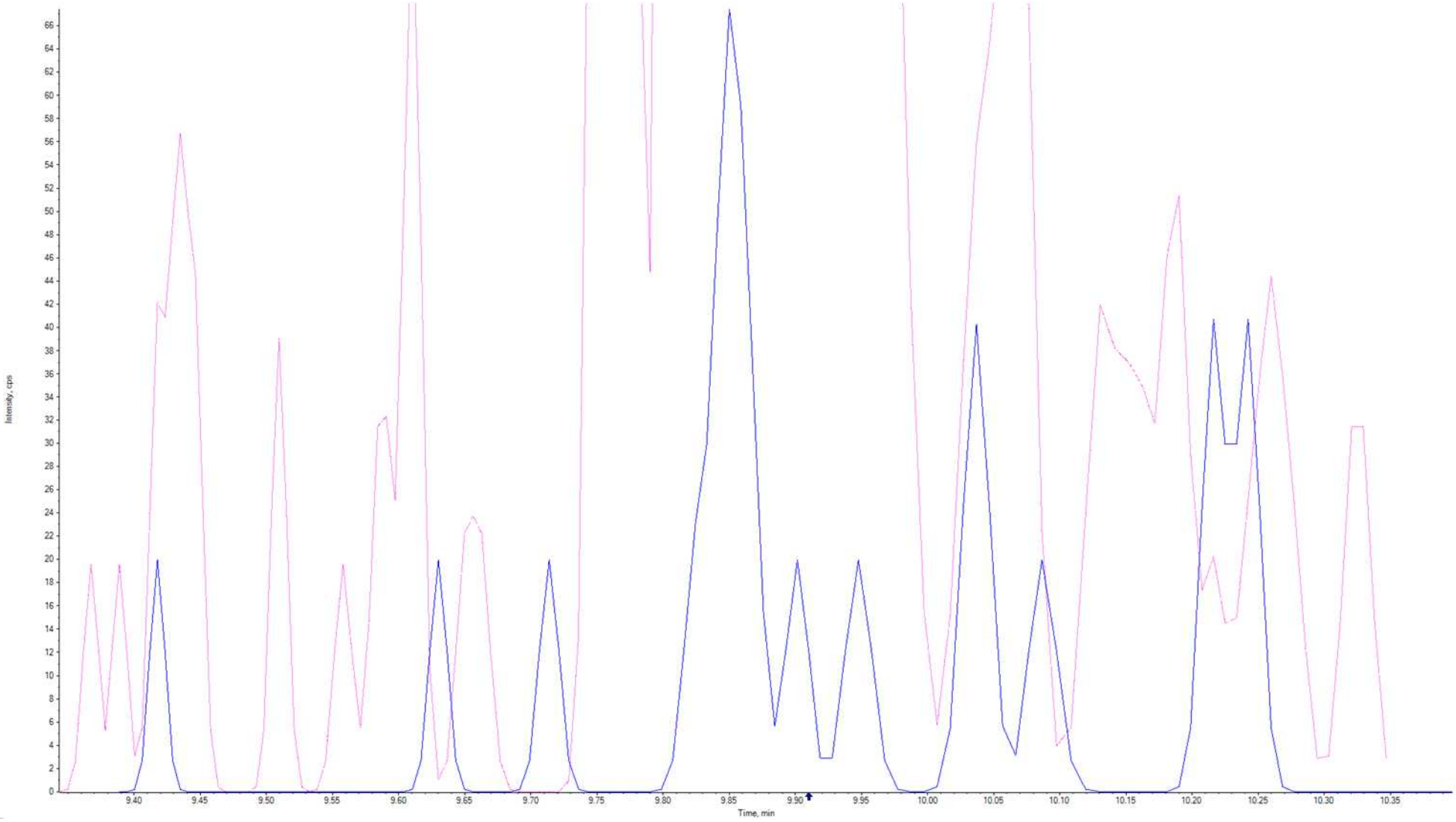
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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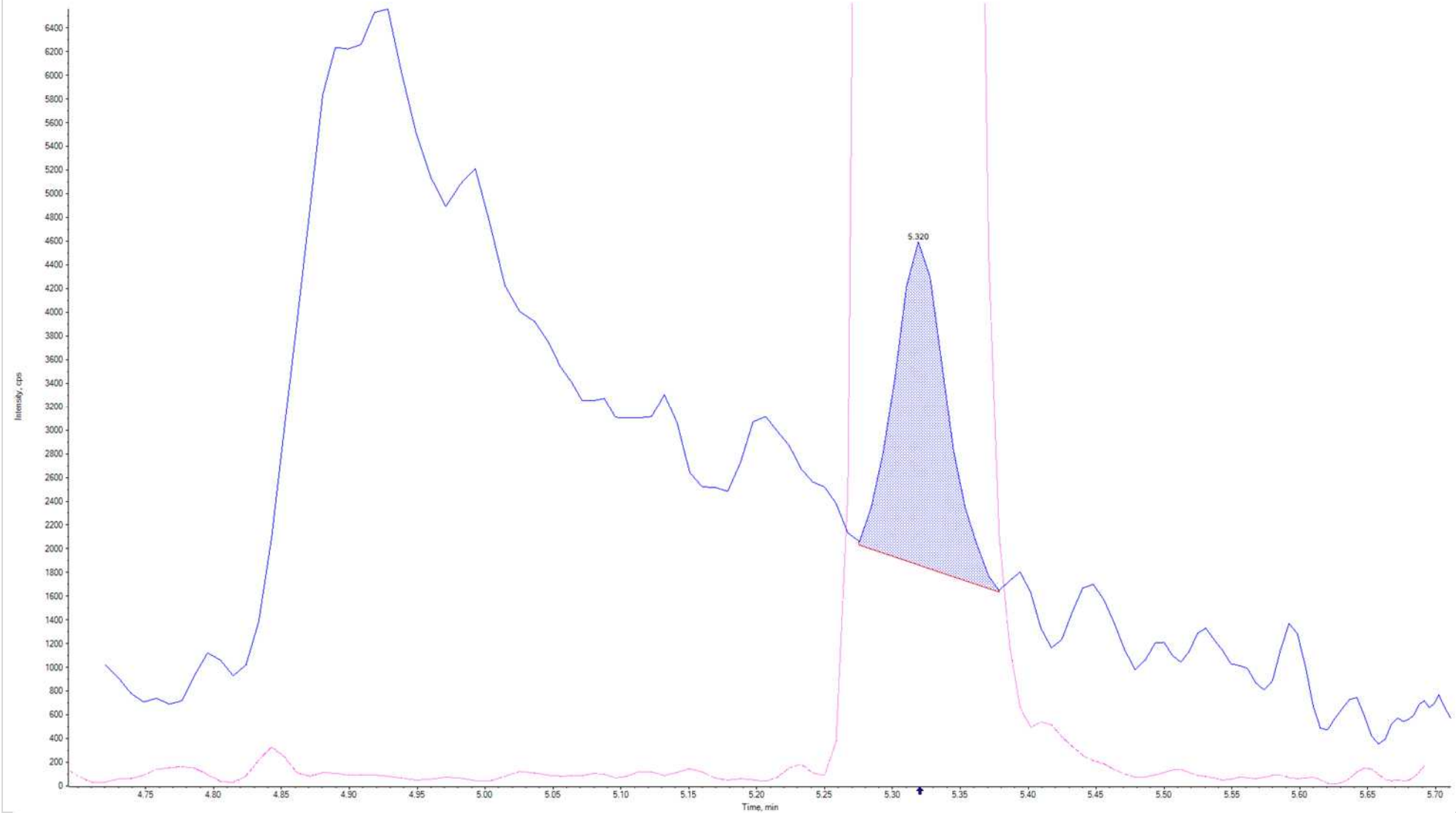
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFBS
Sample: L2447890-12 S/N:10.2 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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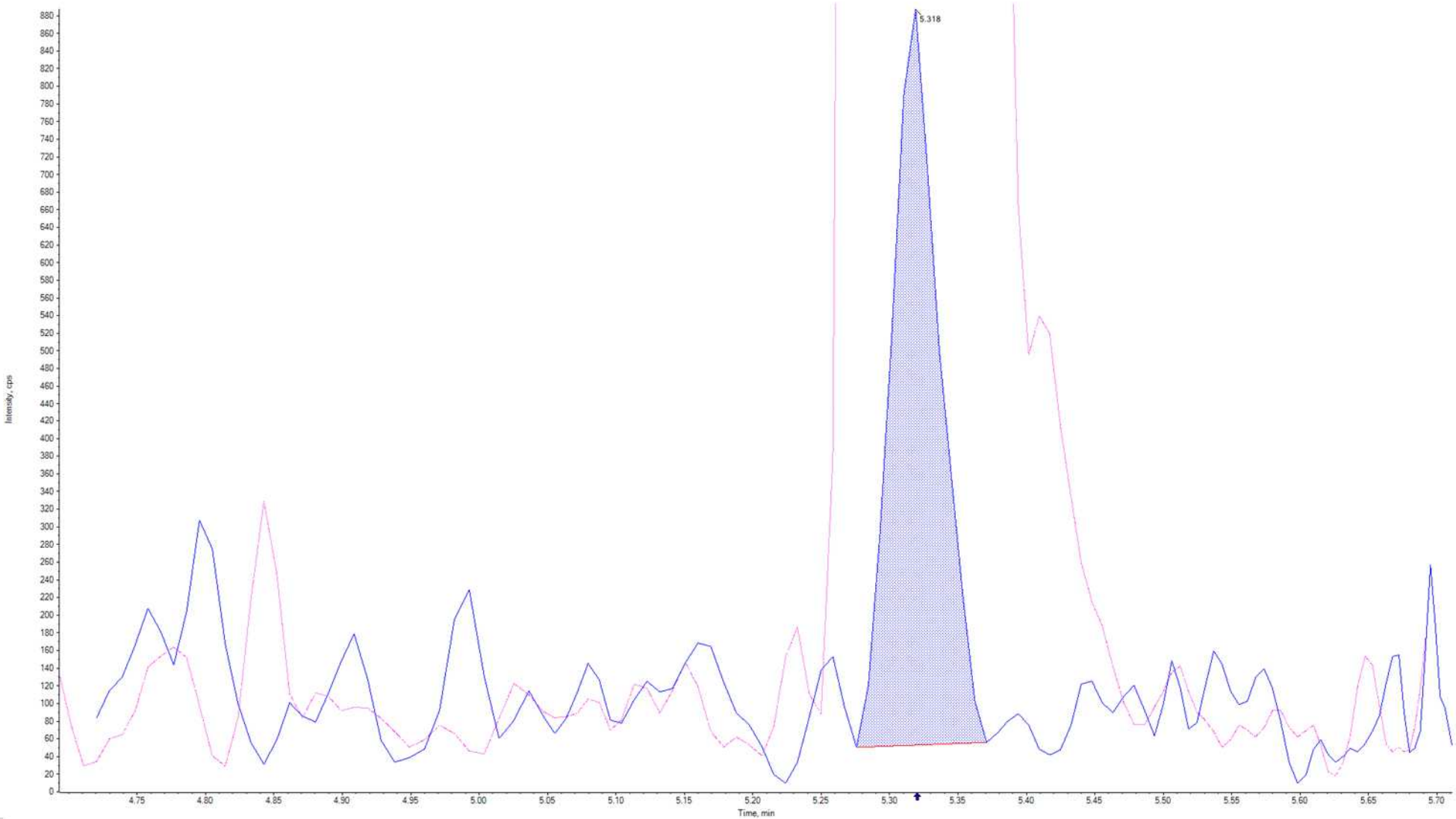
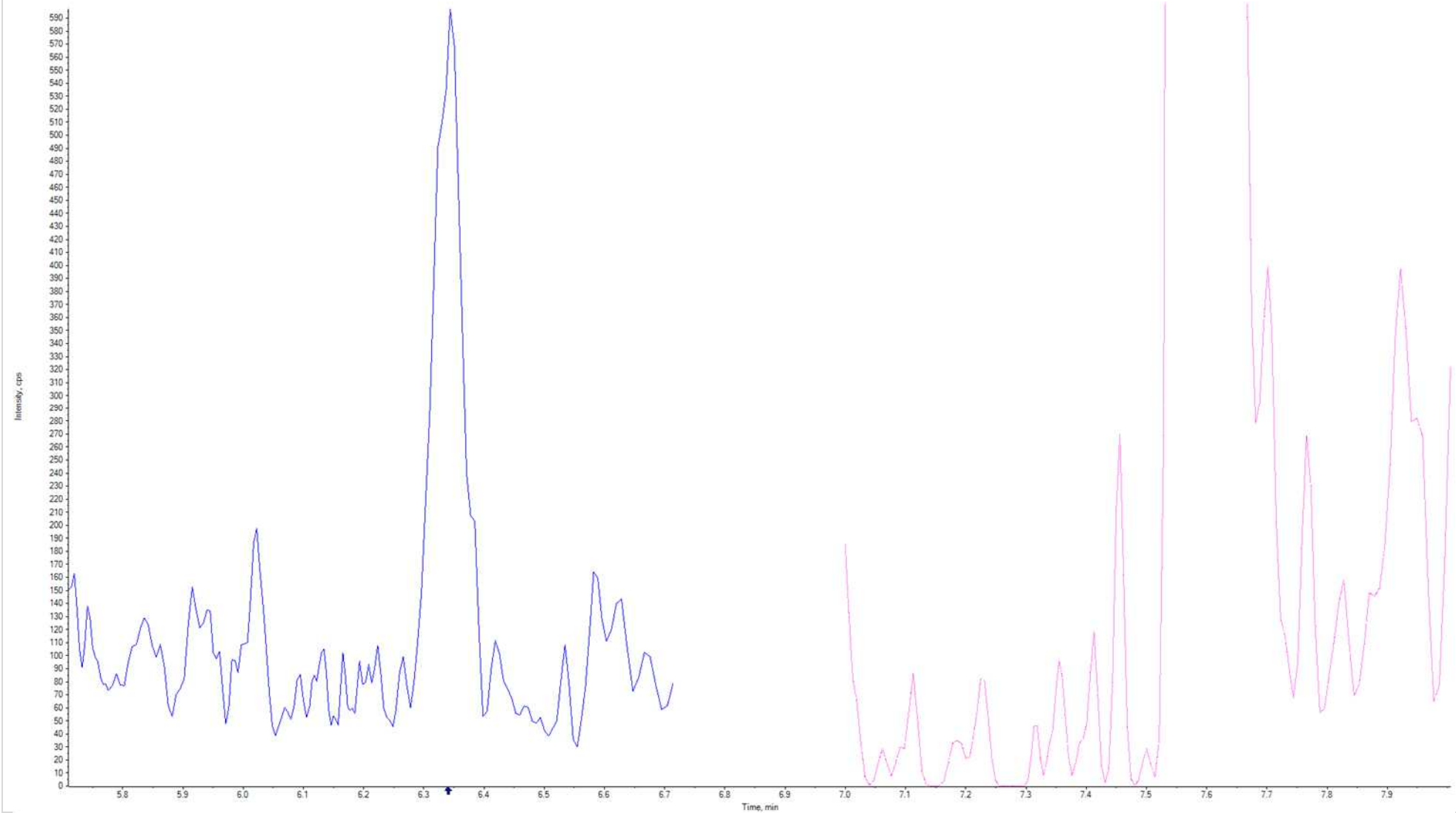
PFBS_2
Sample: L2447890-12 S/N:91.0 Points Across peak:12



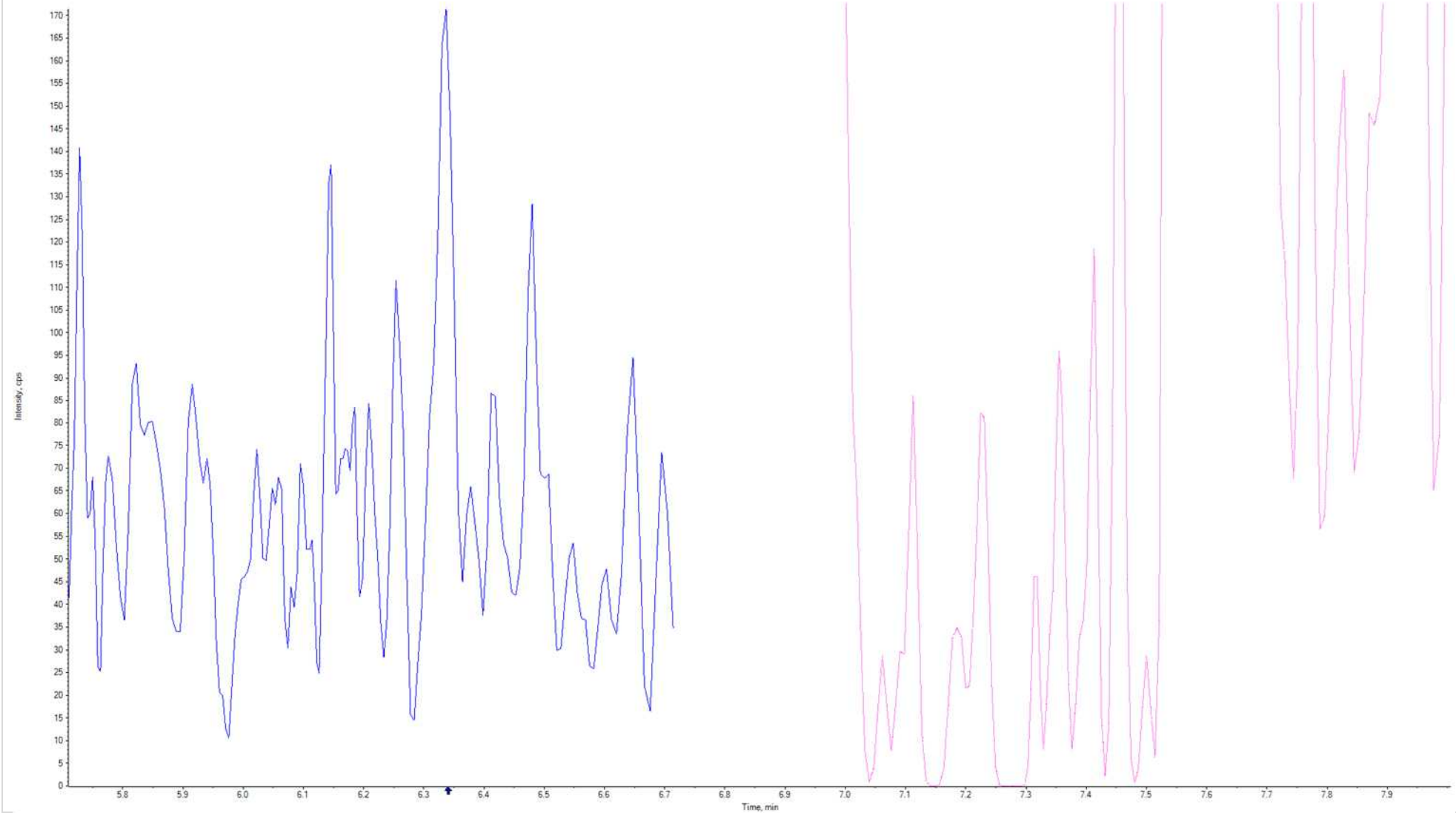
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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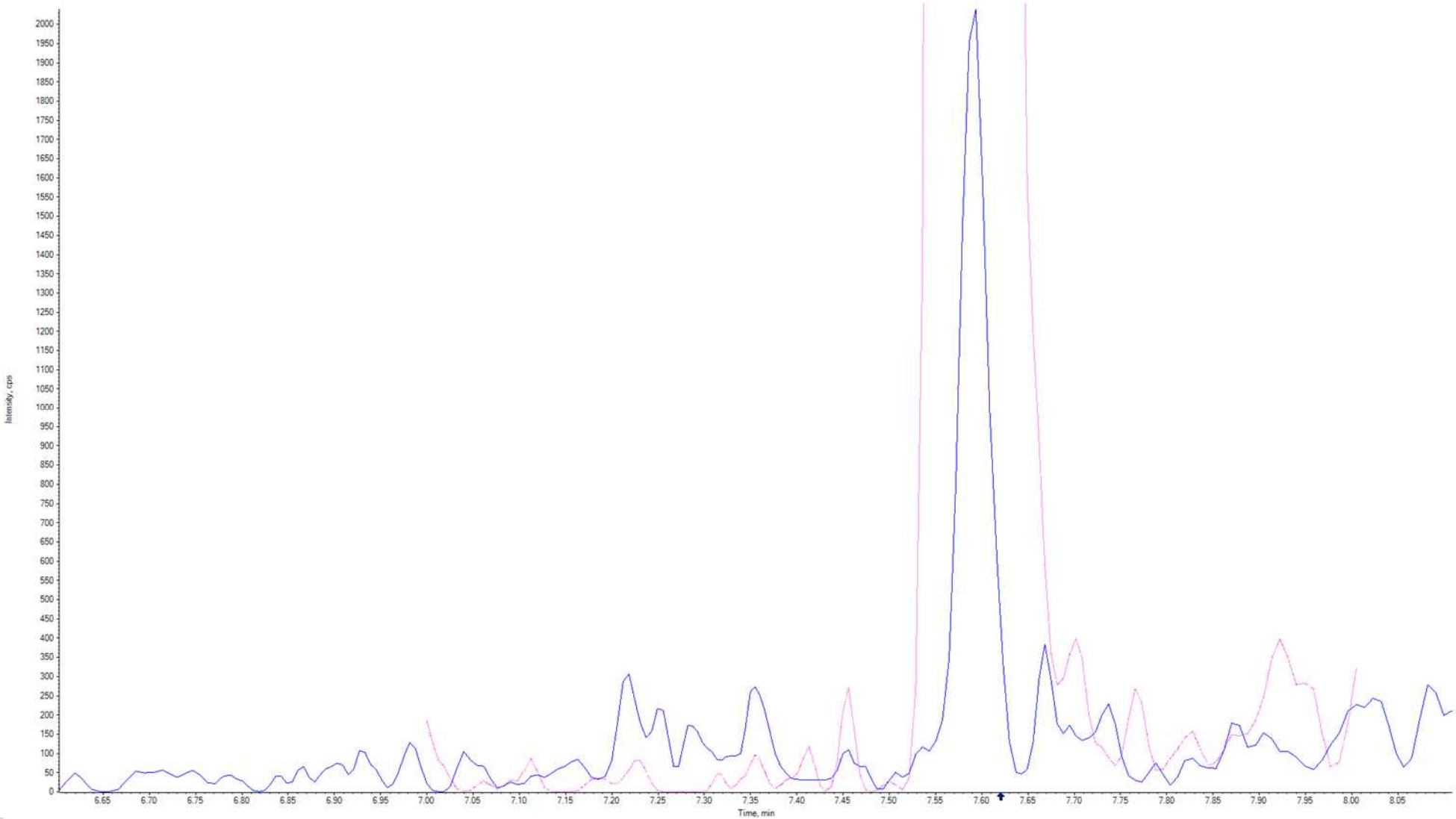
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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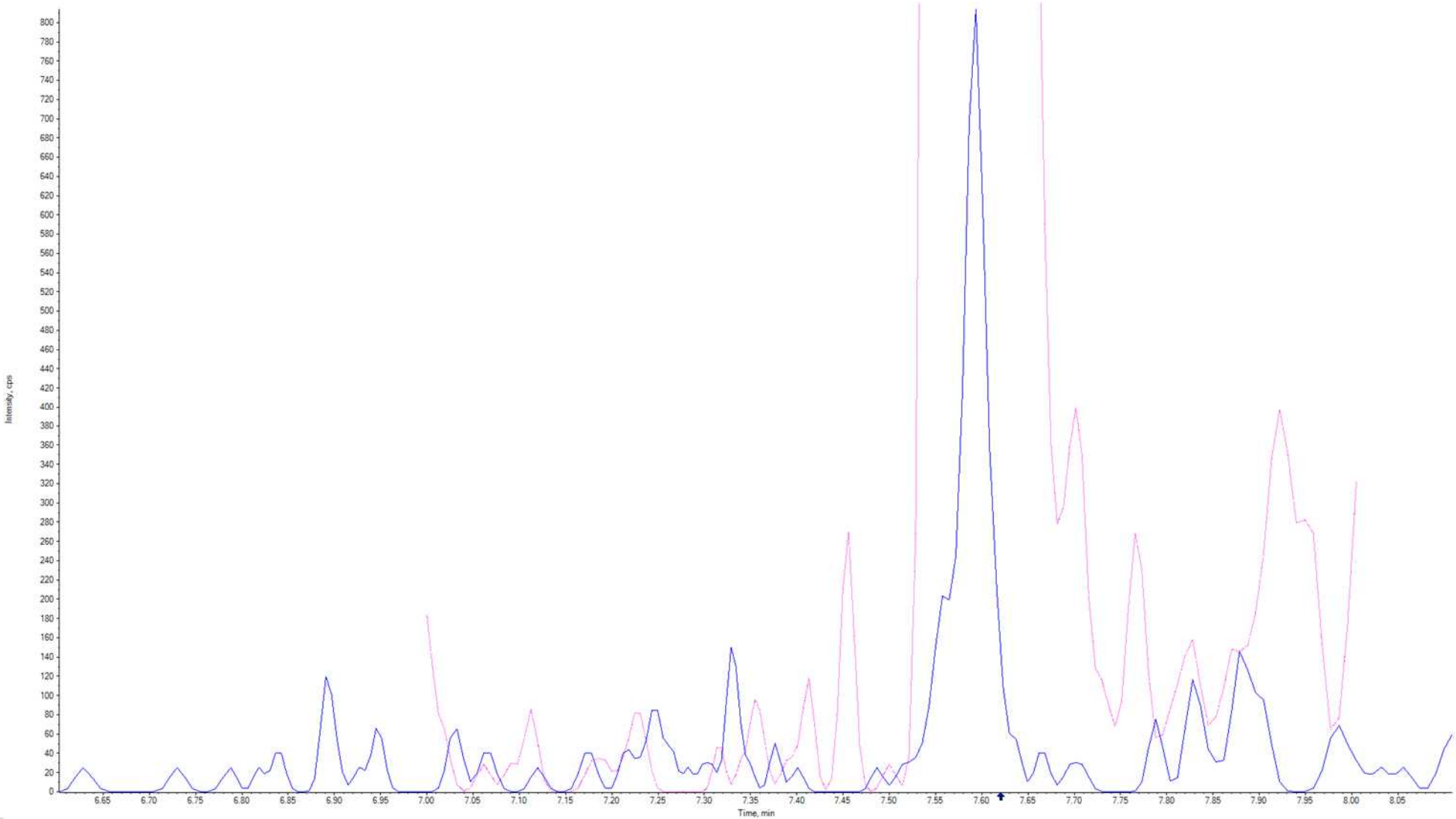
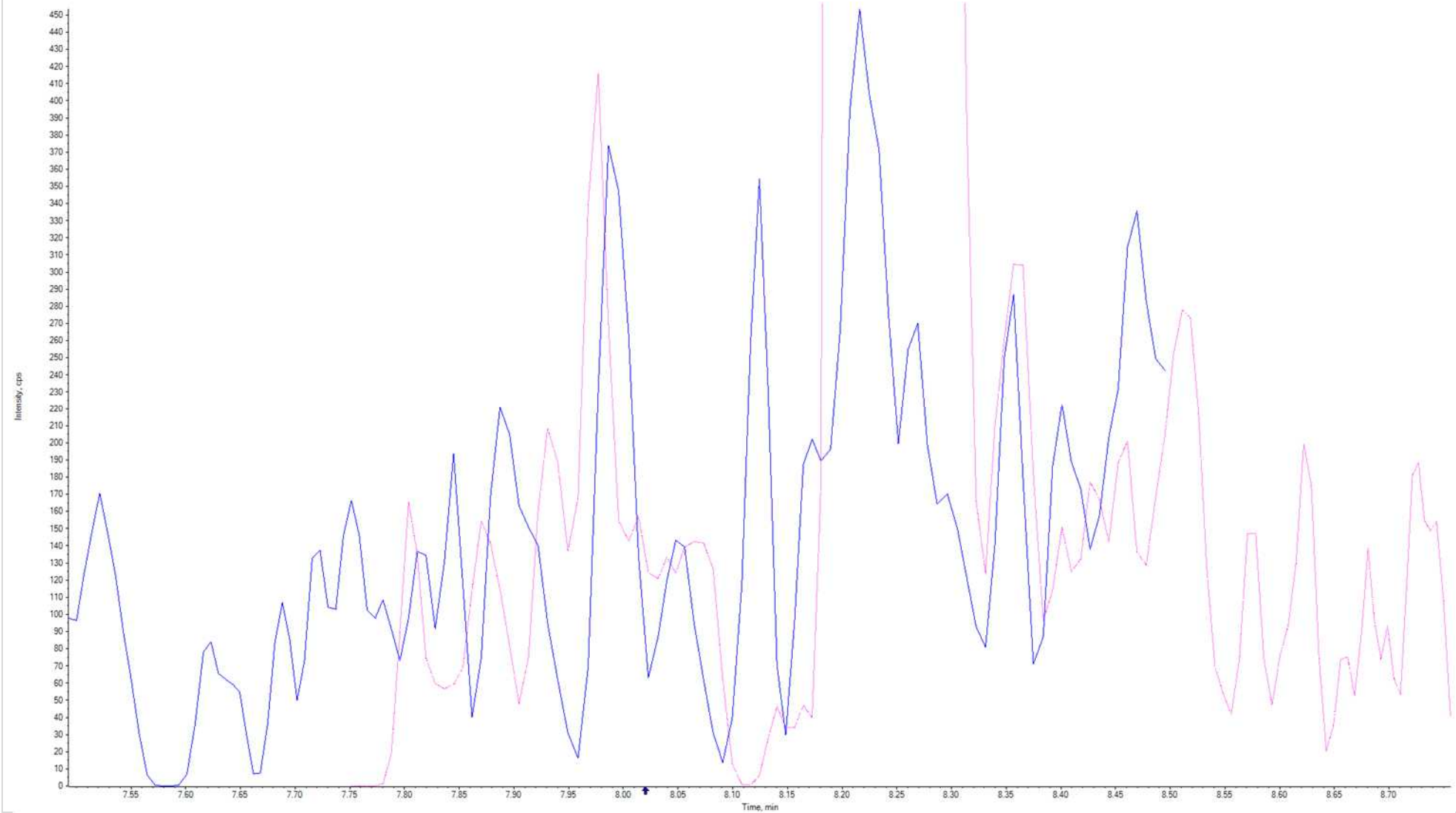
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



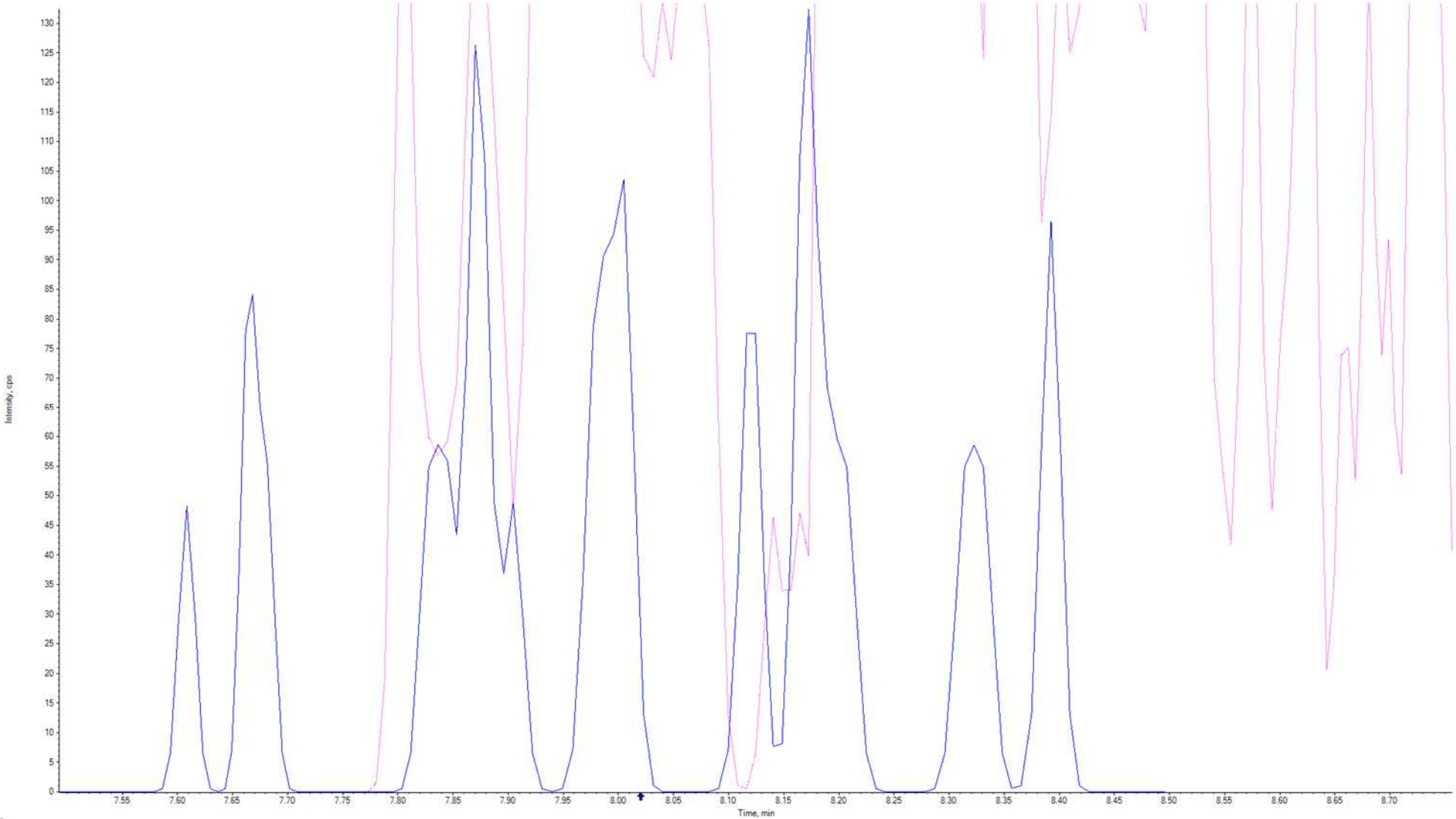
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



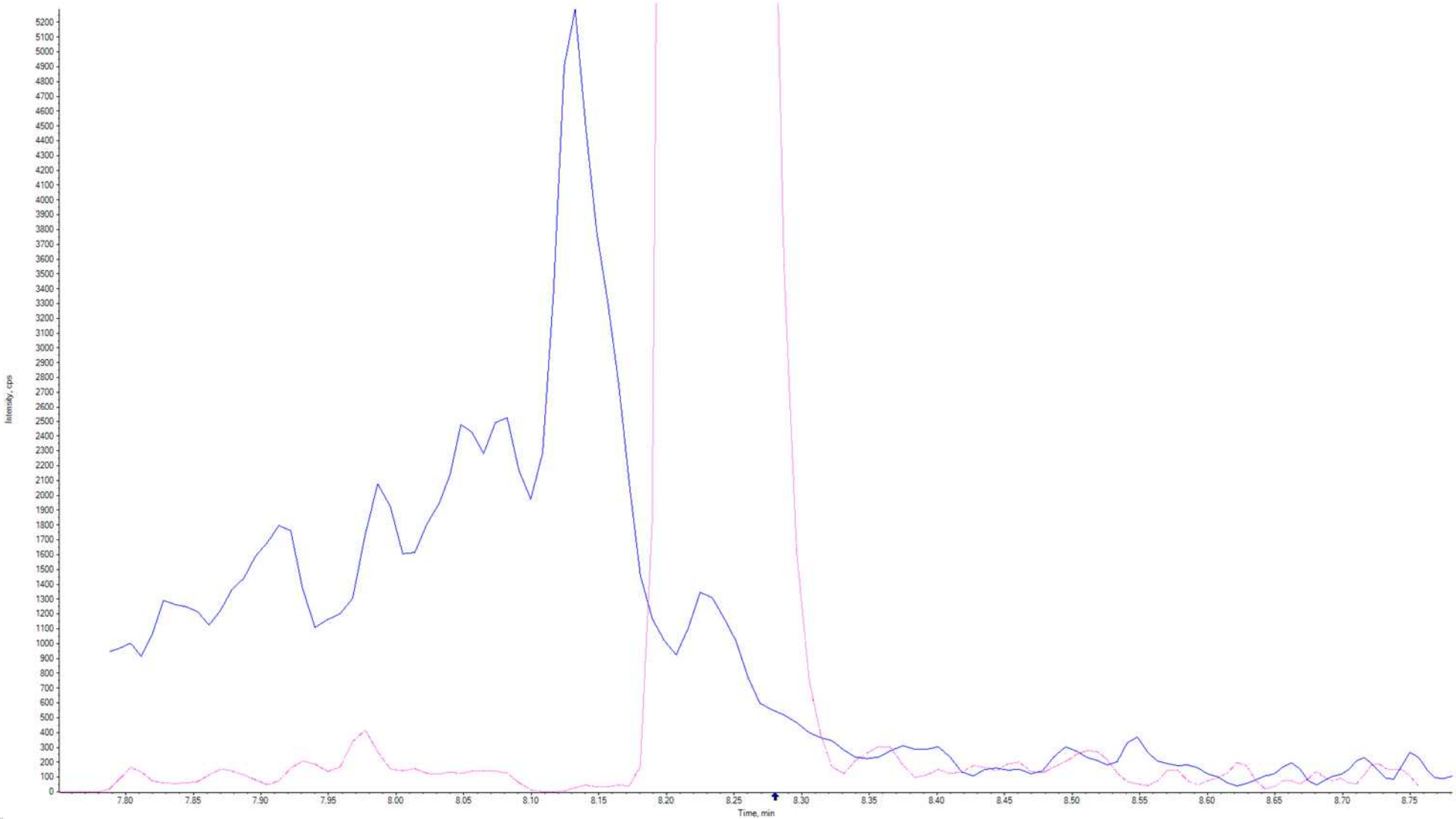
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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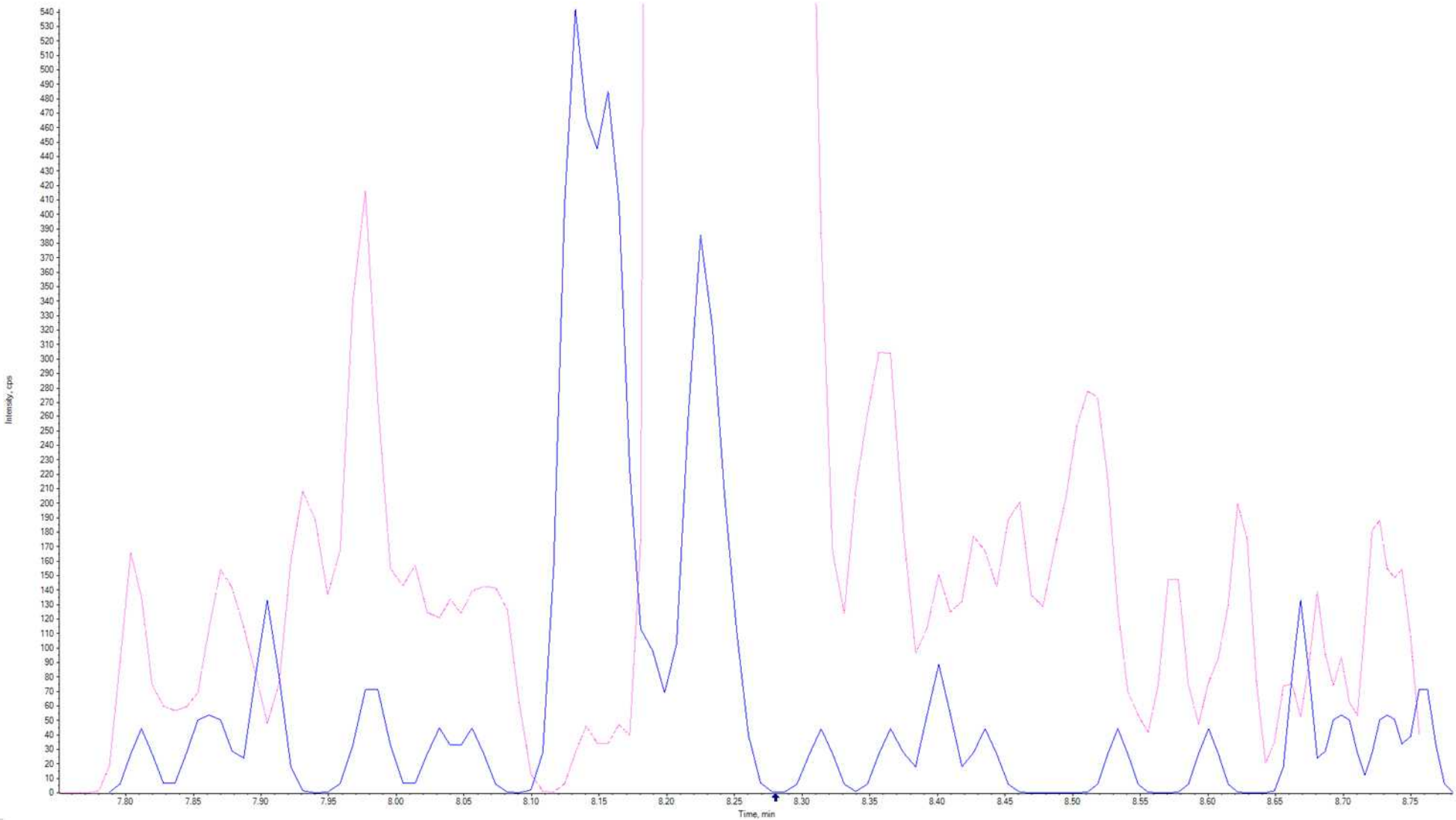
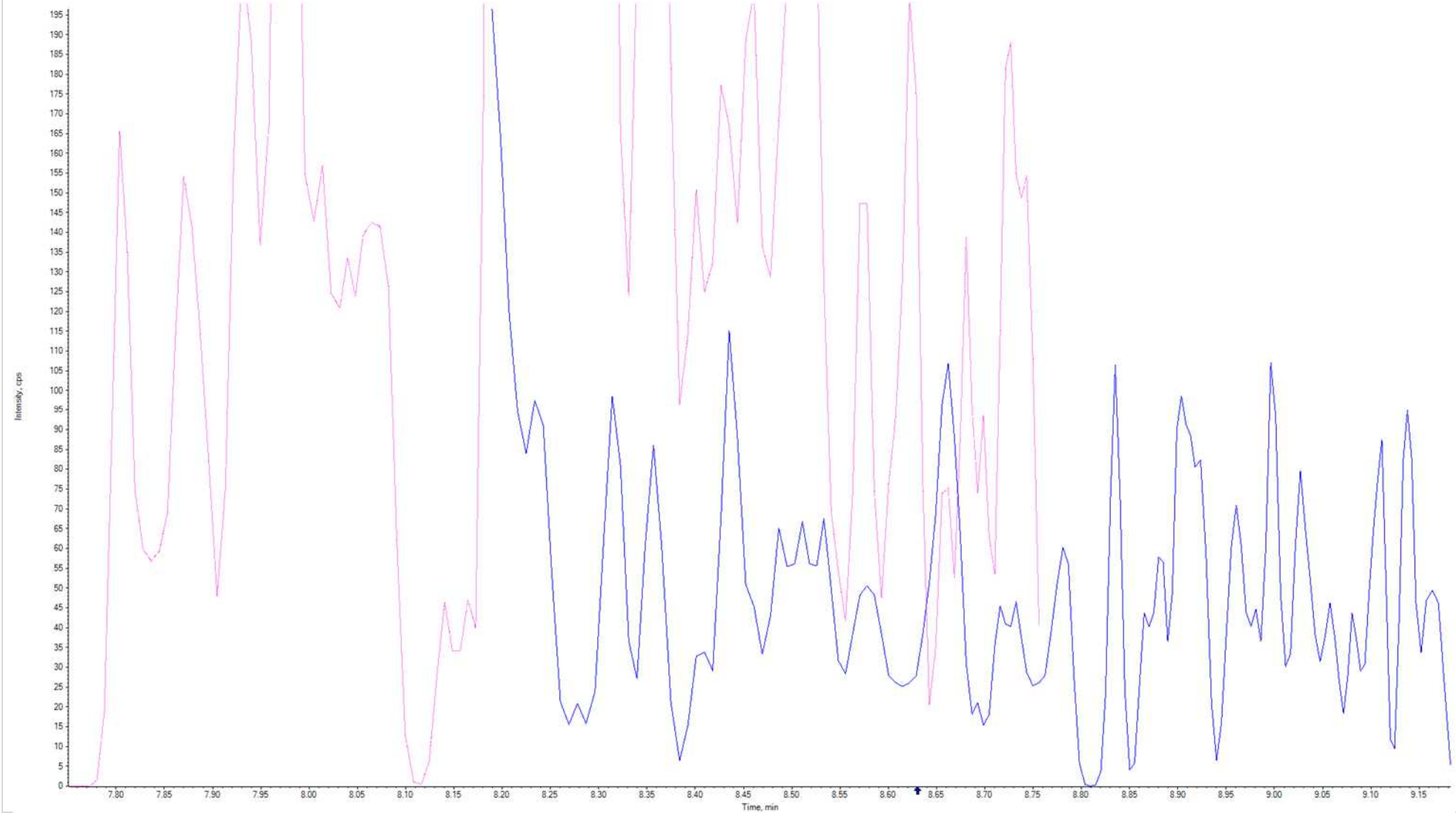
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



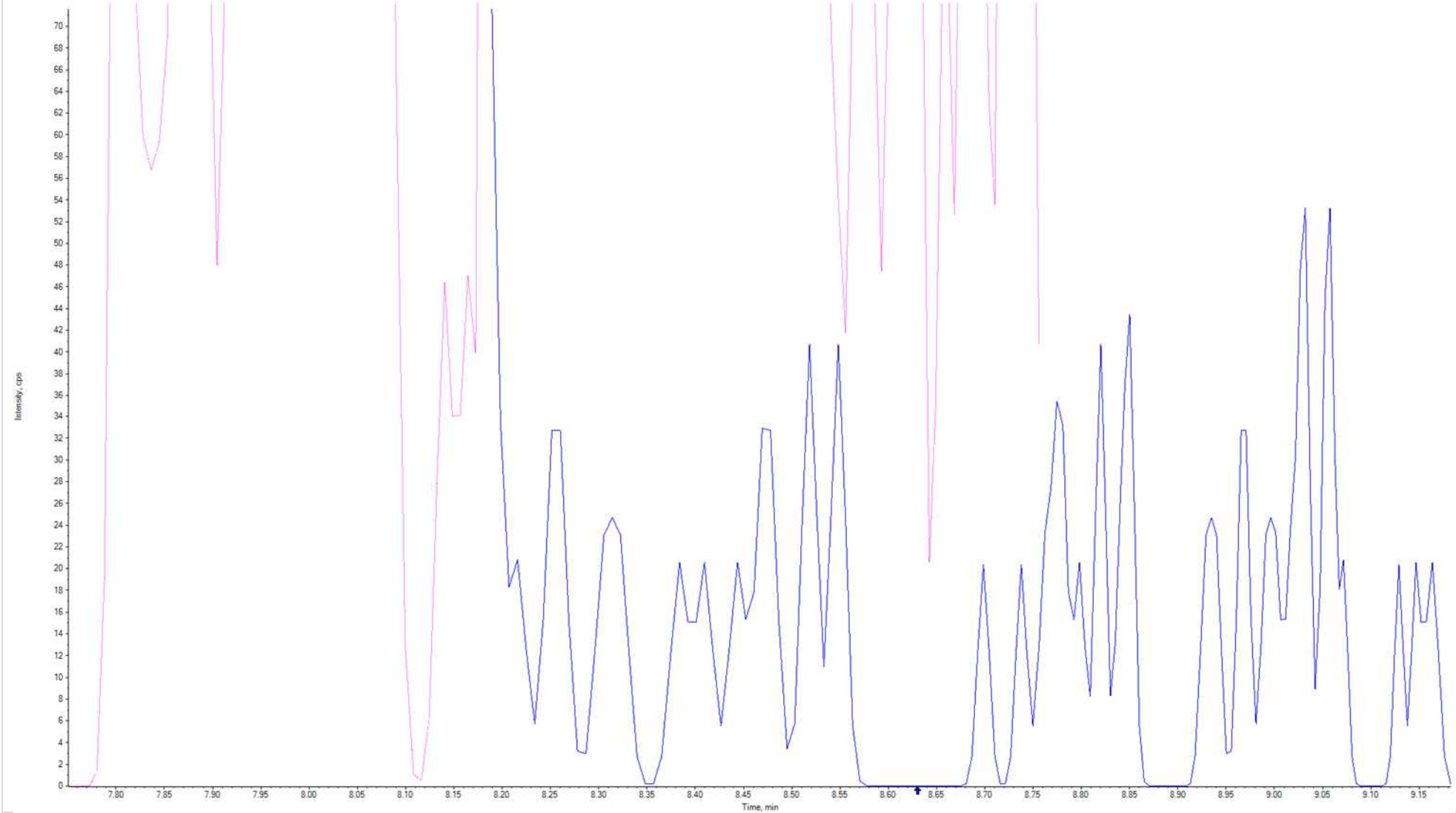
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A

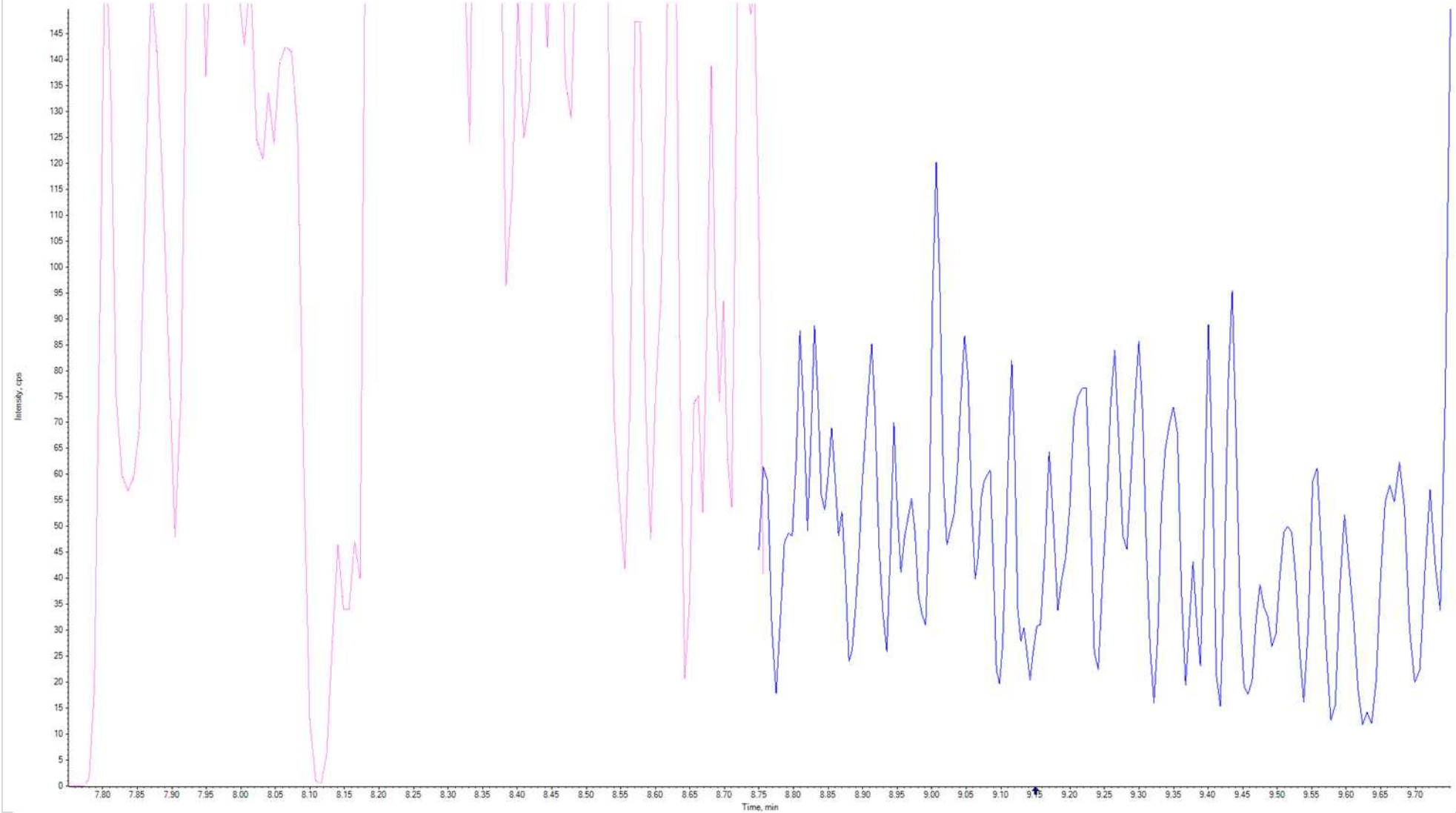


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A

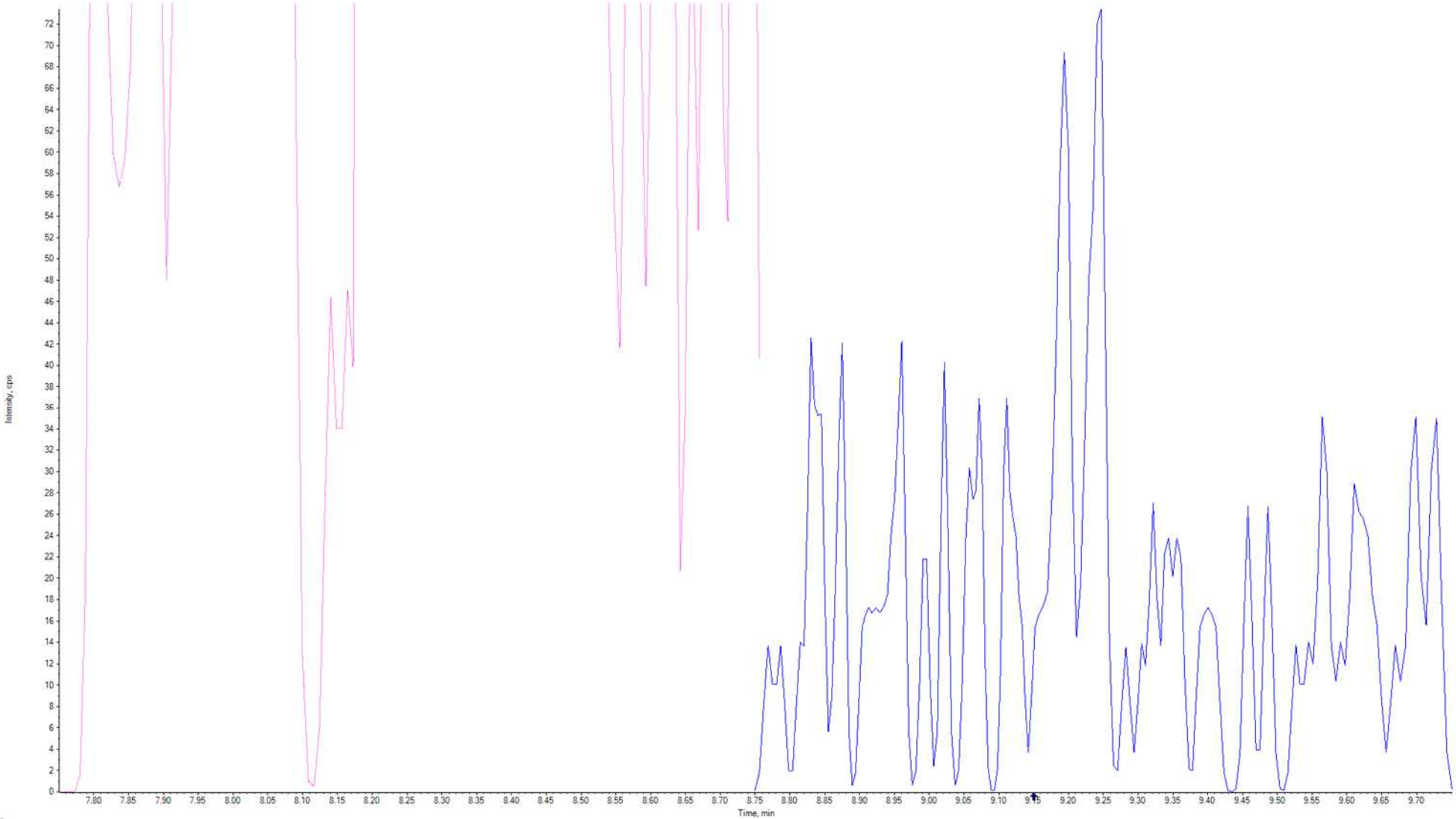


PFDS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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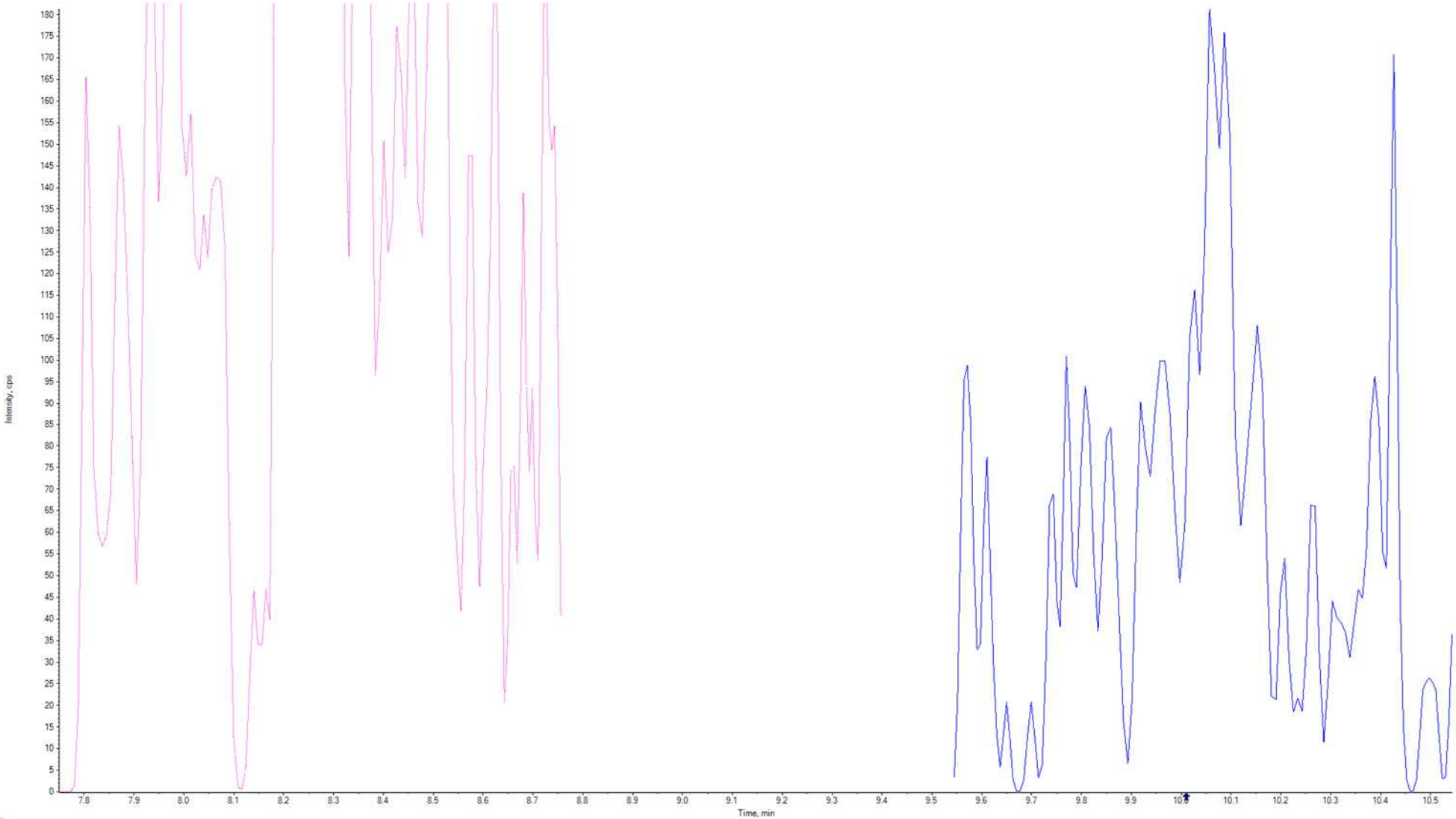
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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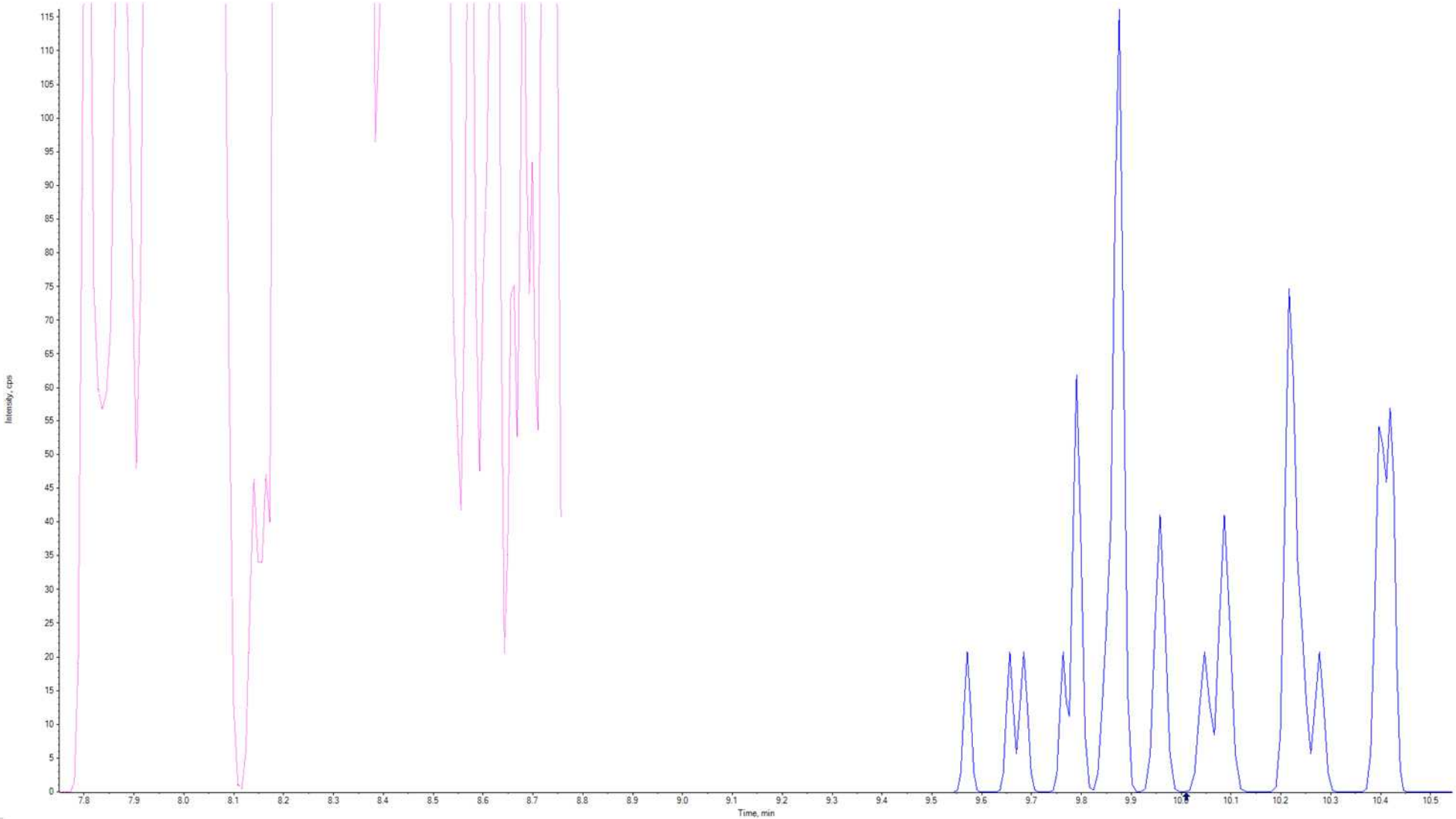
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_25.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
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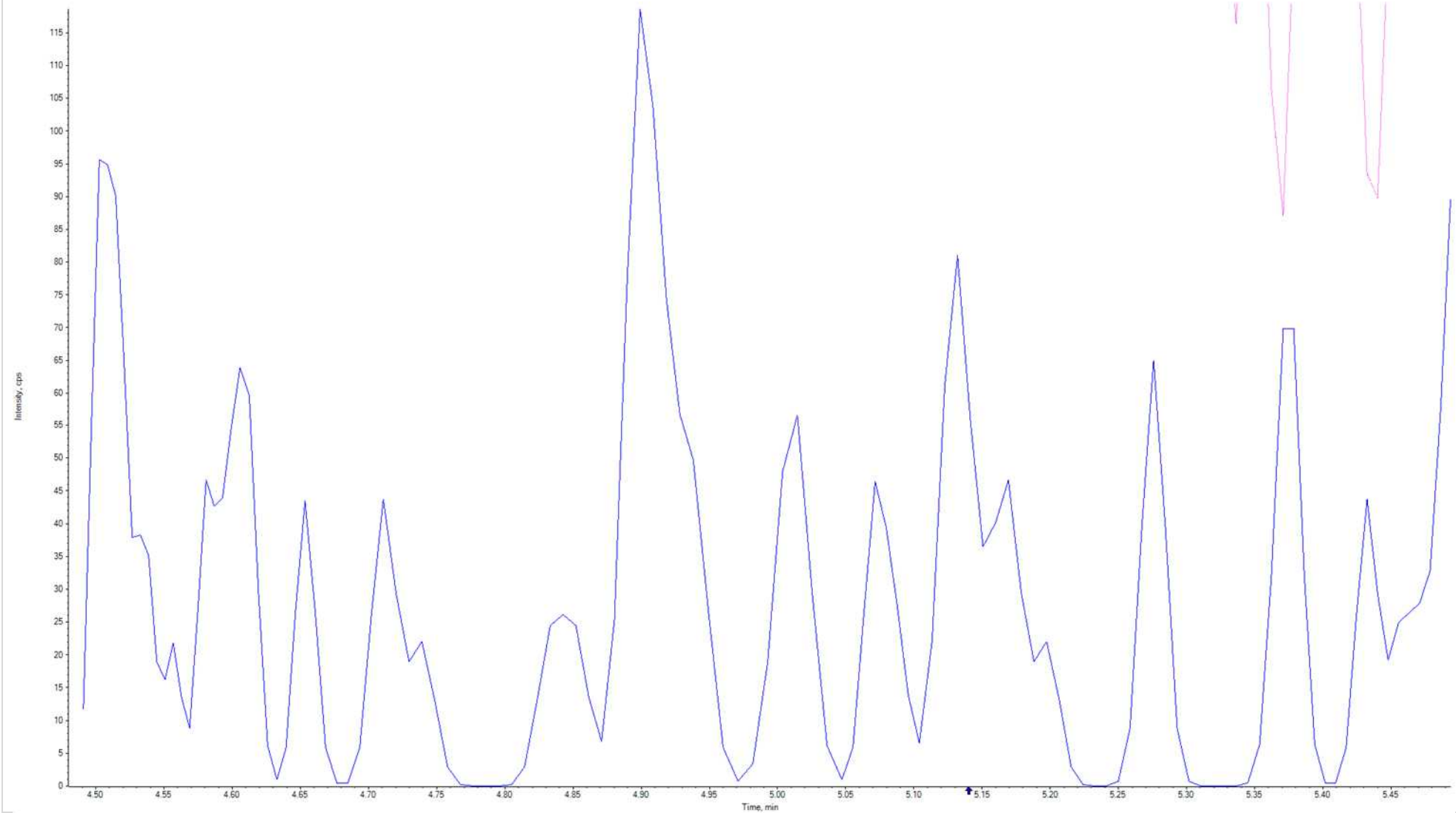

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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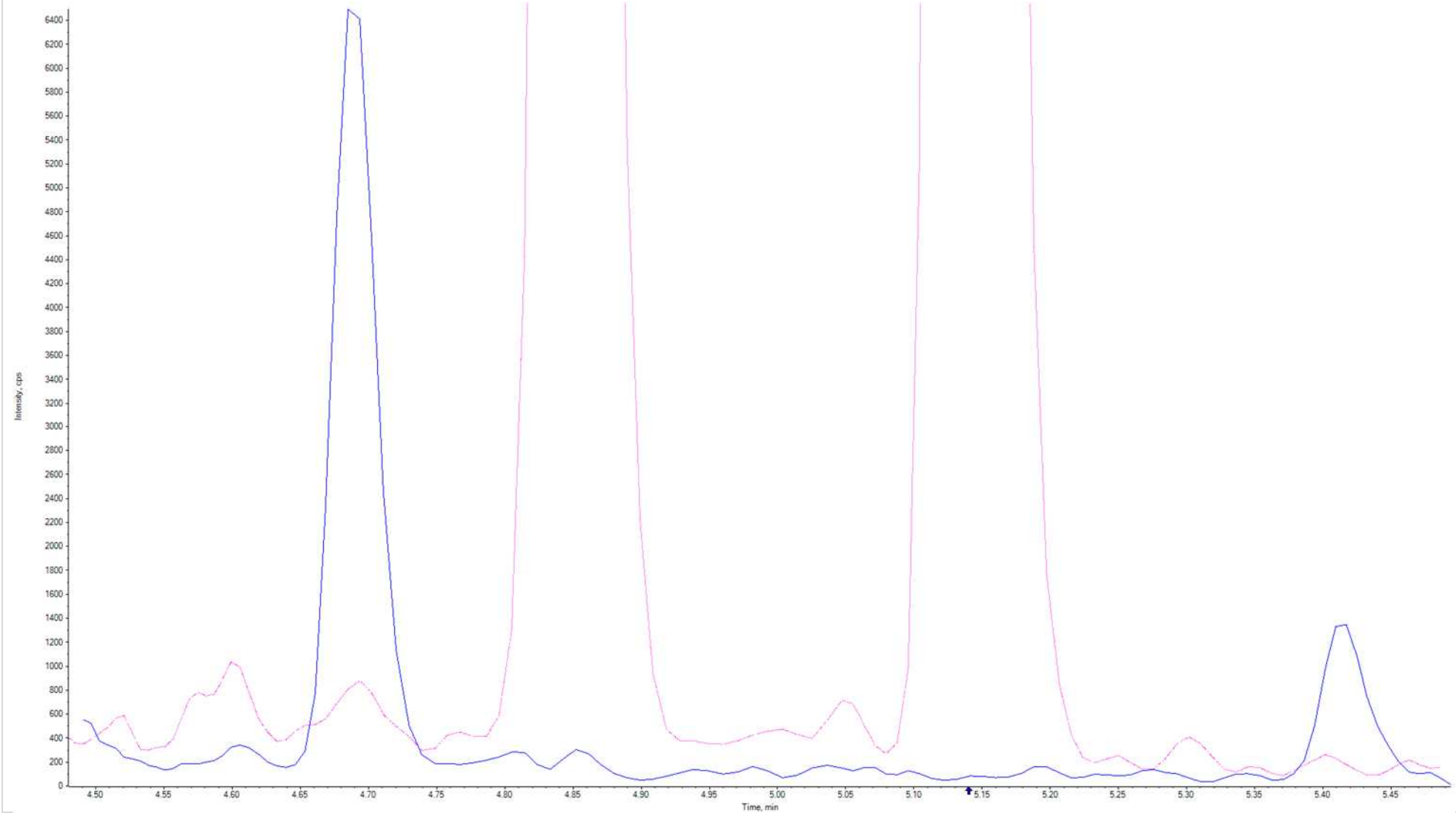

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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6:2FTS
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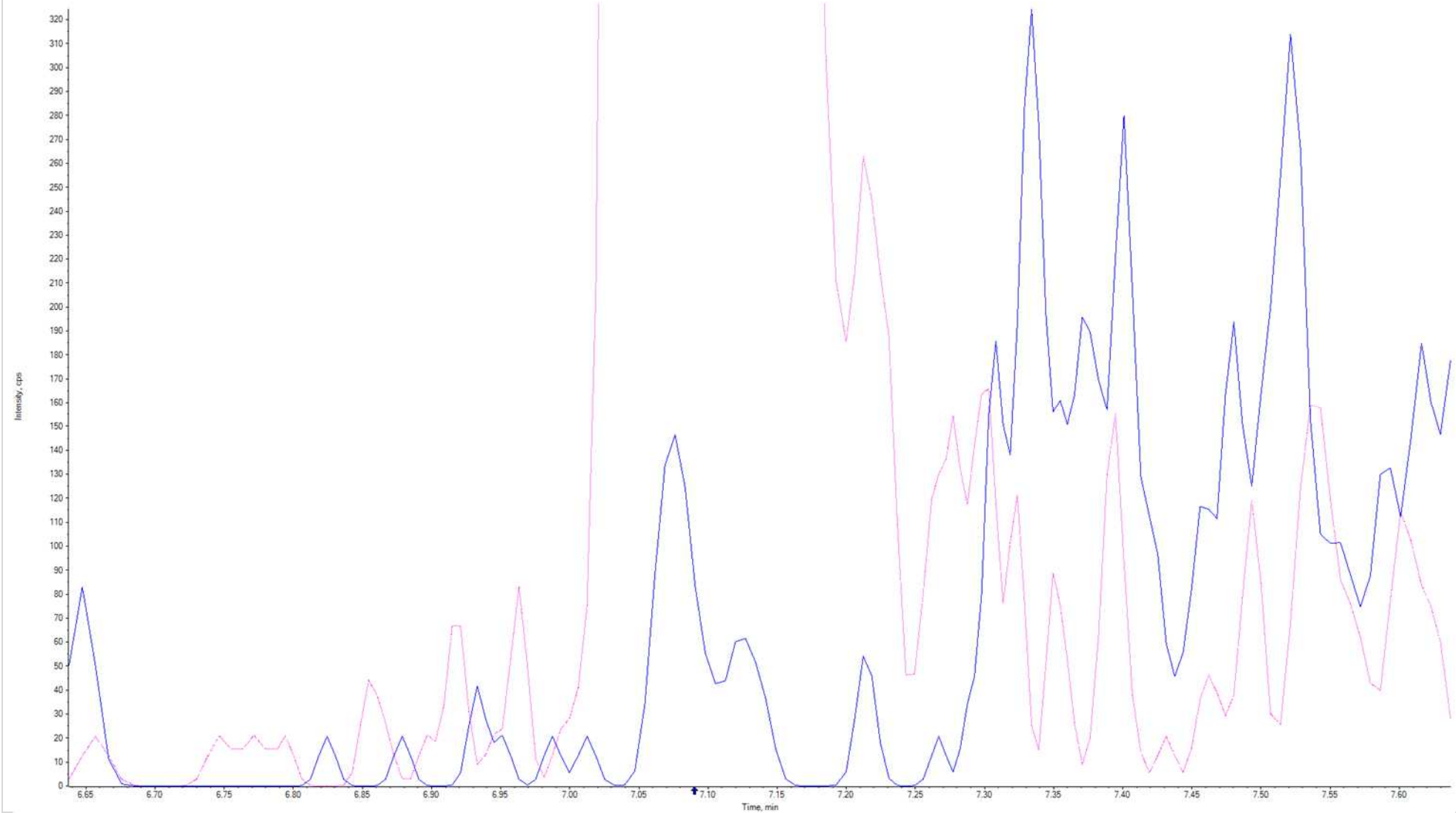

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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6:2FTS_2
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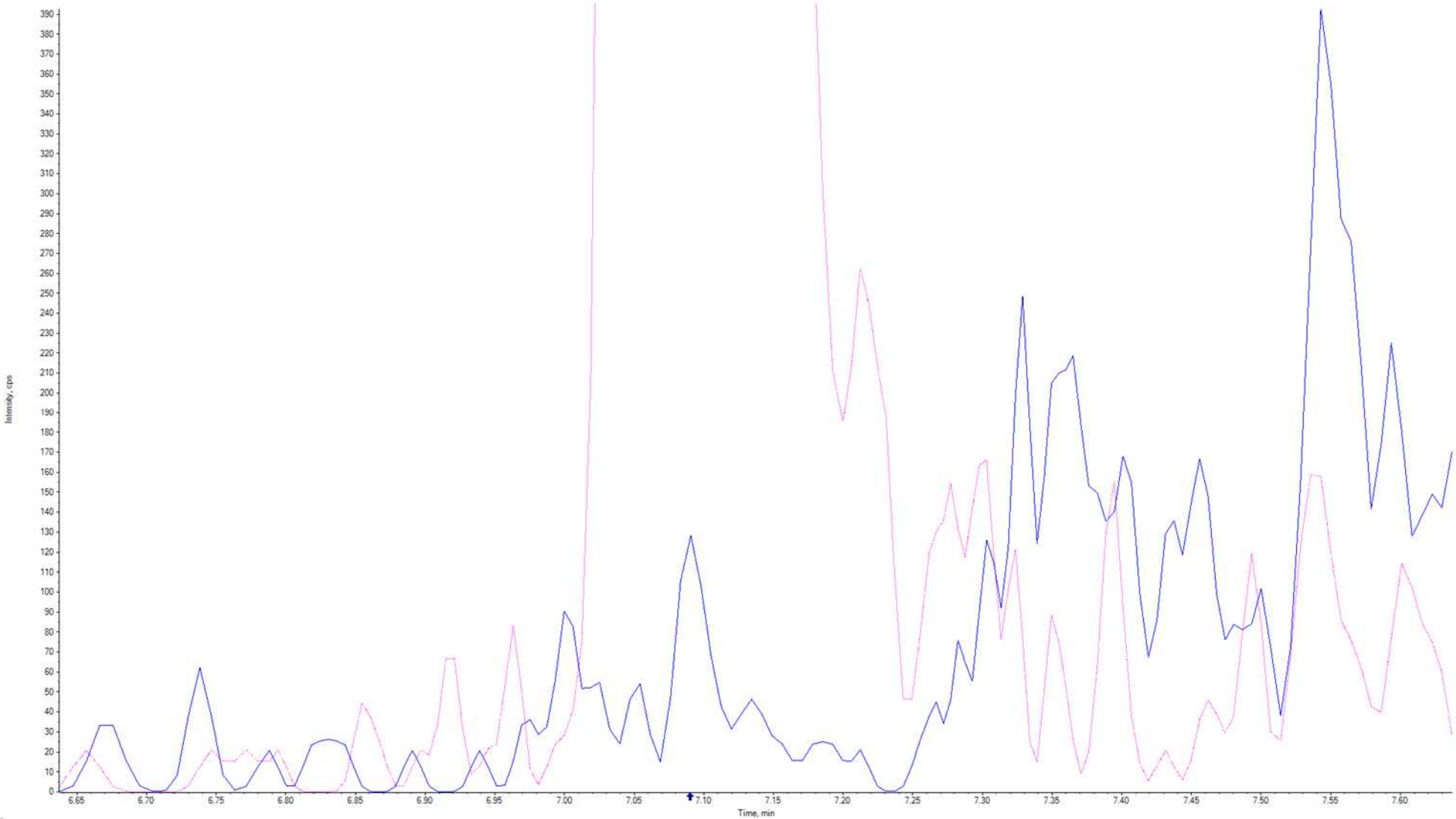

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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8:2FTS
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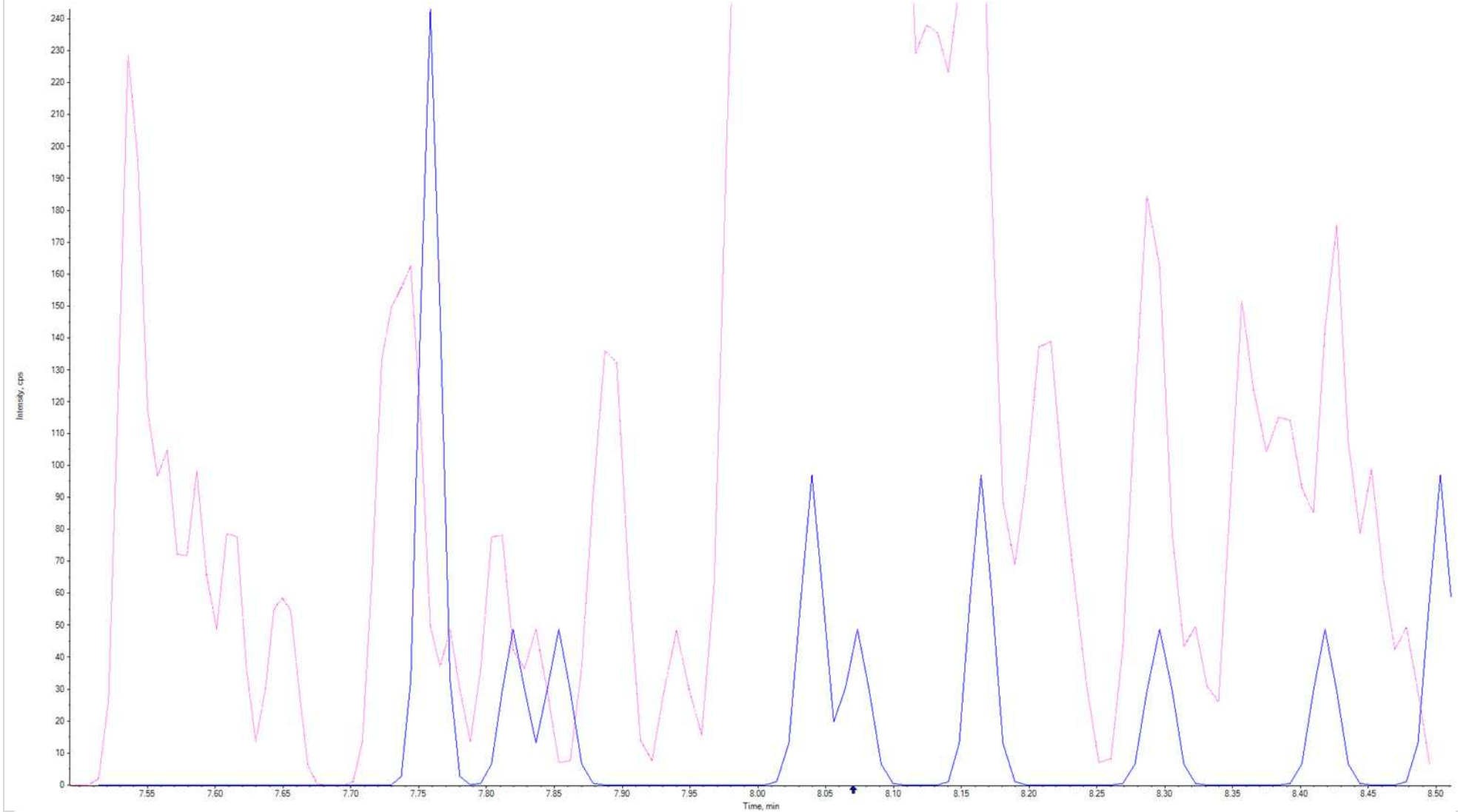

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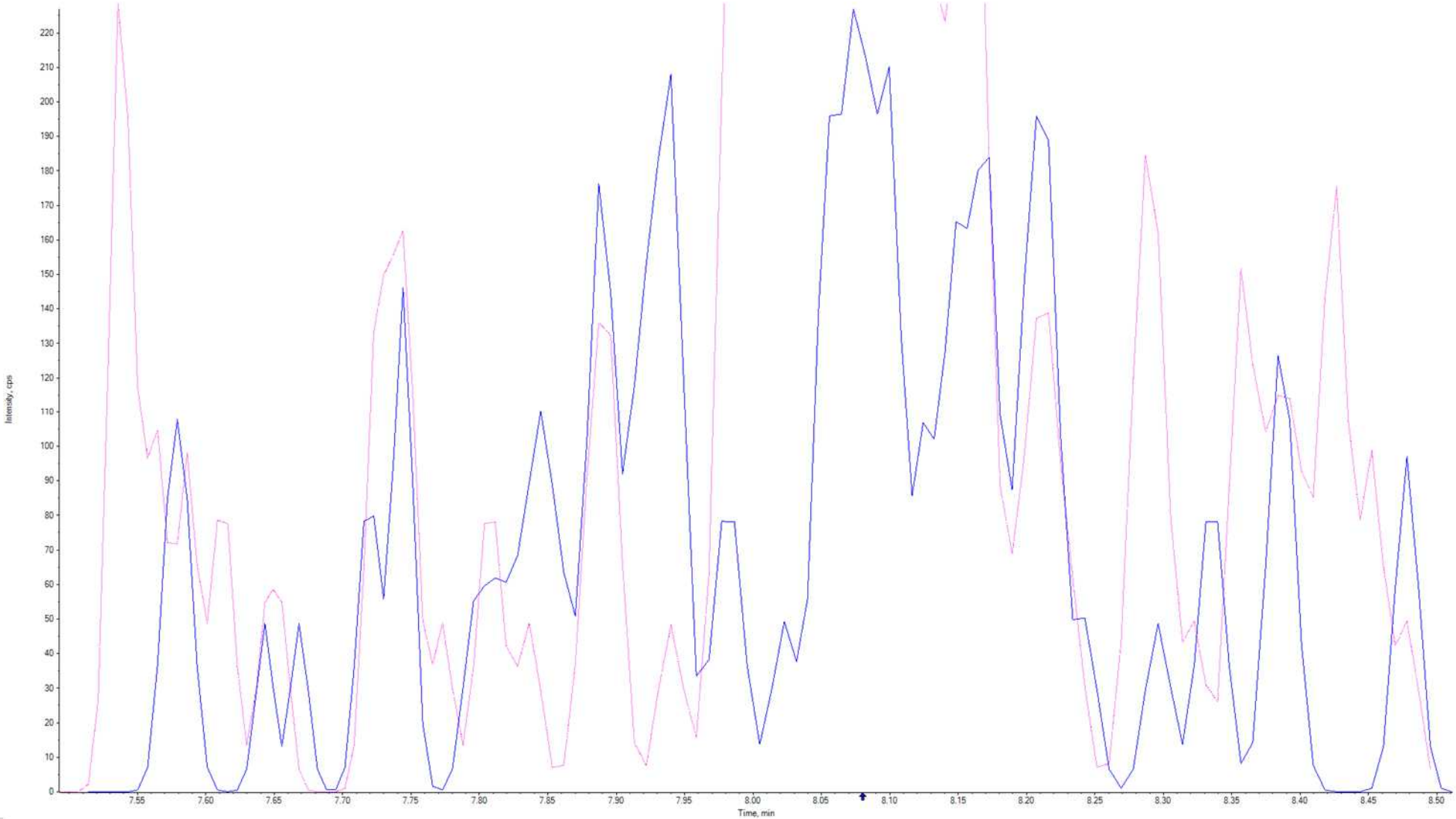

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PFOSA
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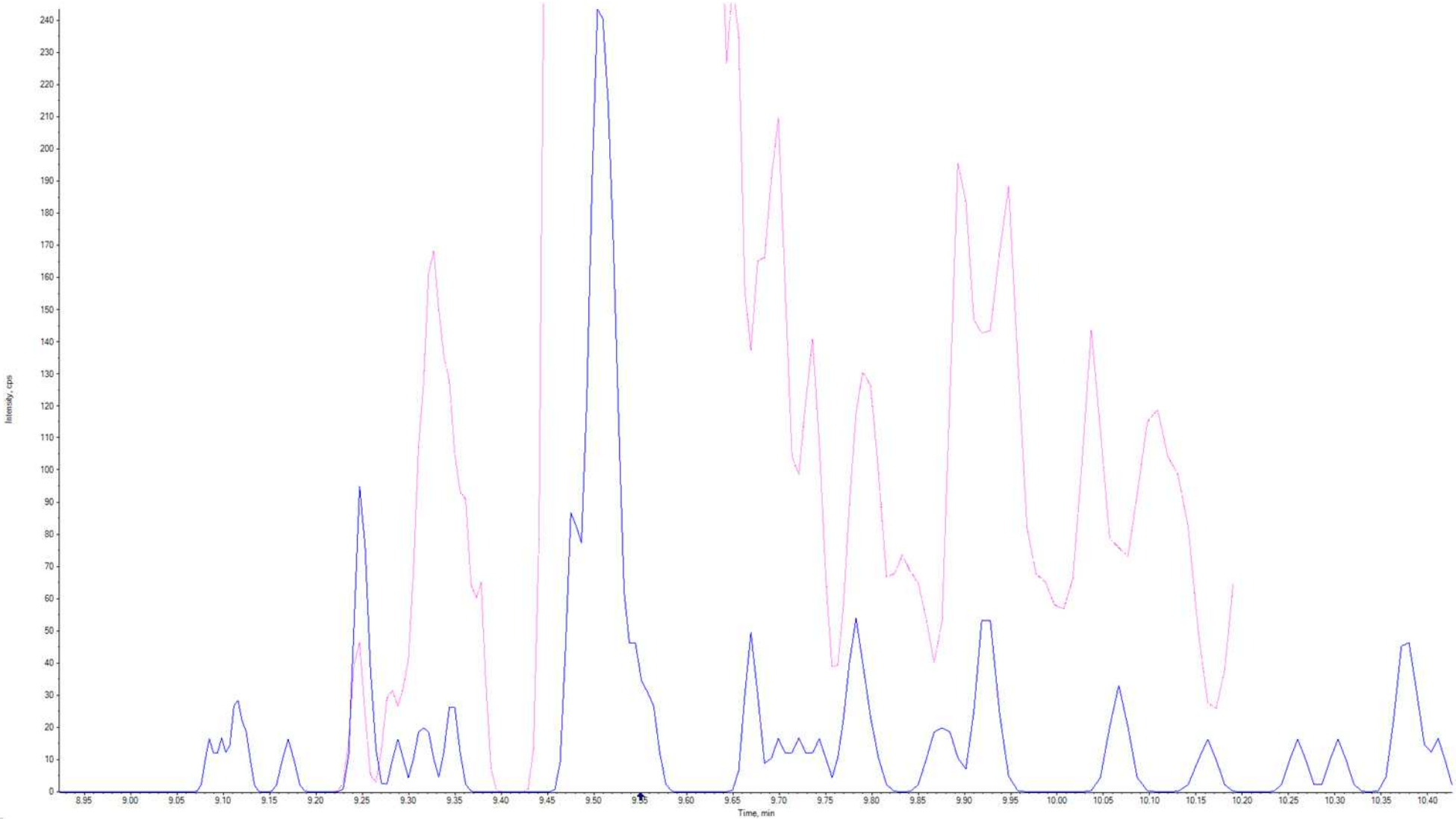

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PFOSA_2
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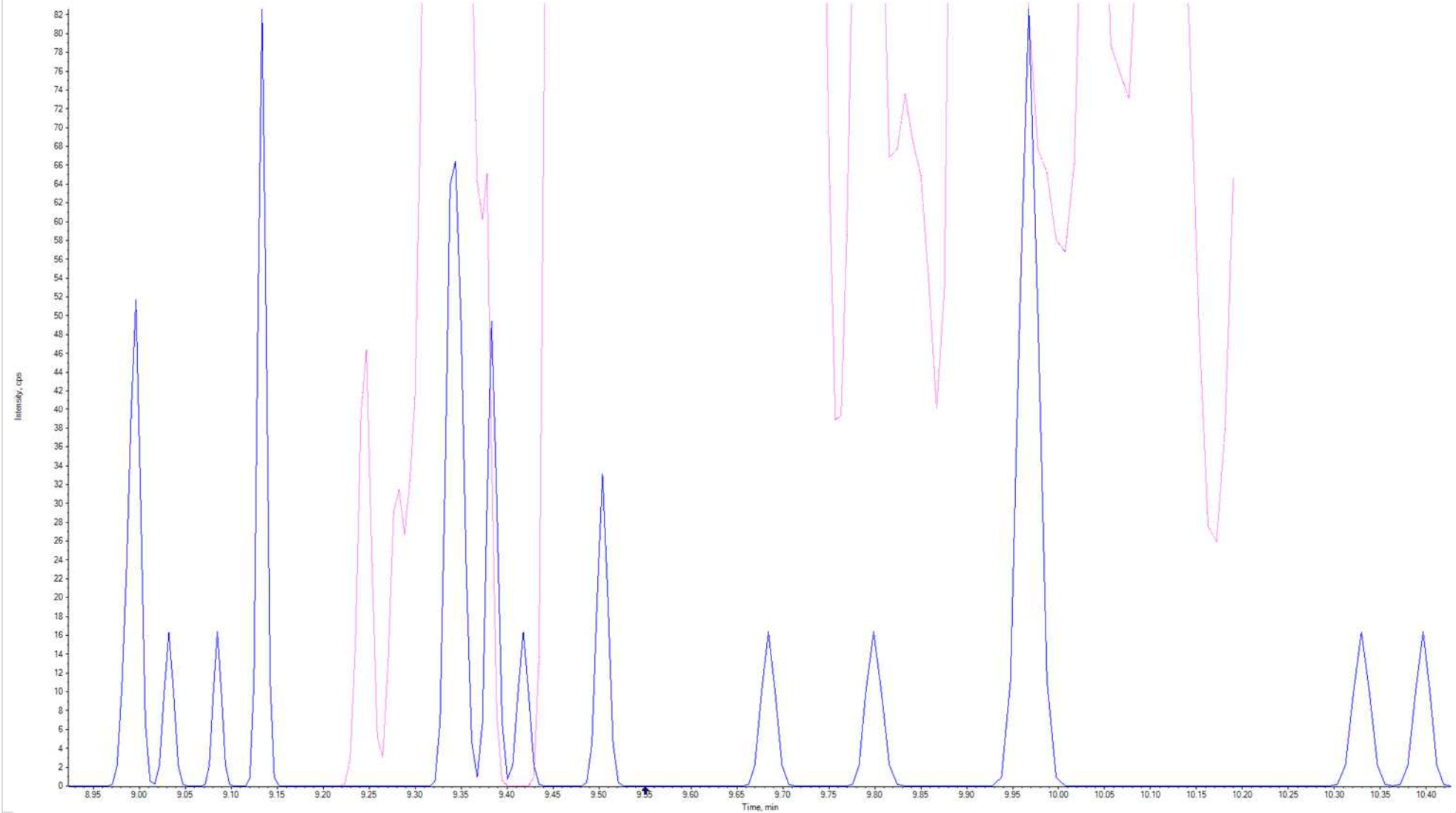

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NMeFOSA
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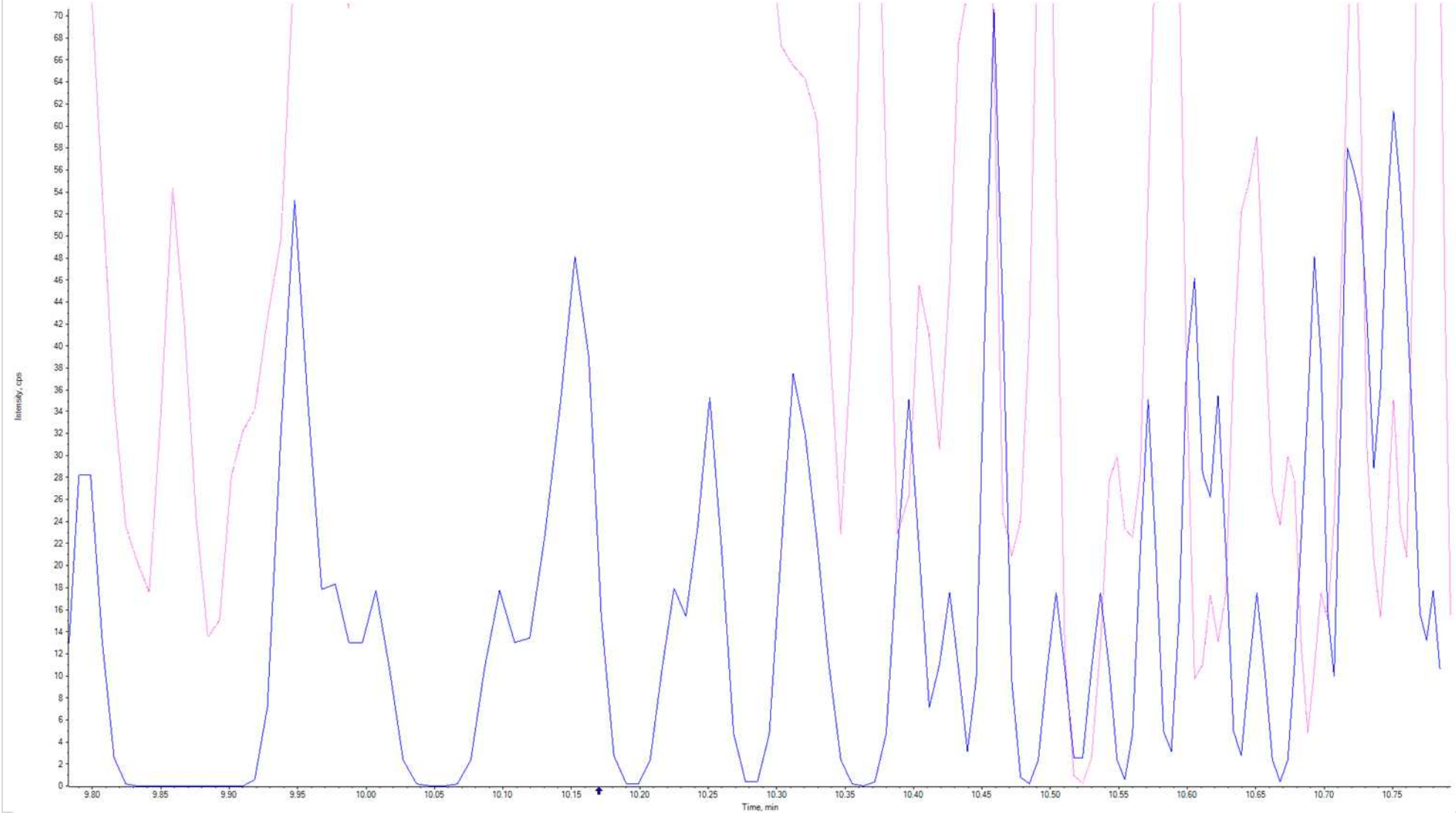

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NMeFOSA_2
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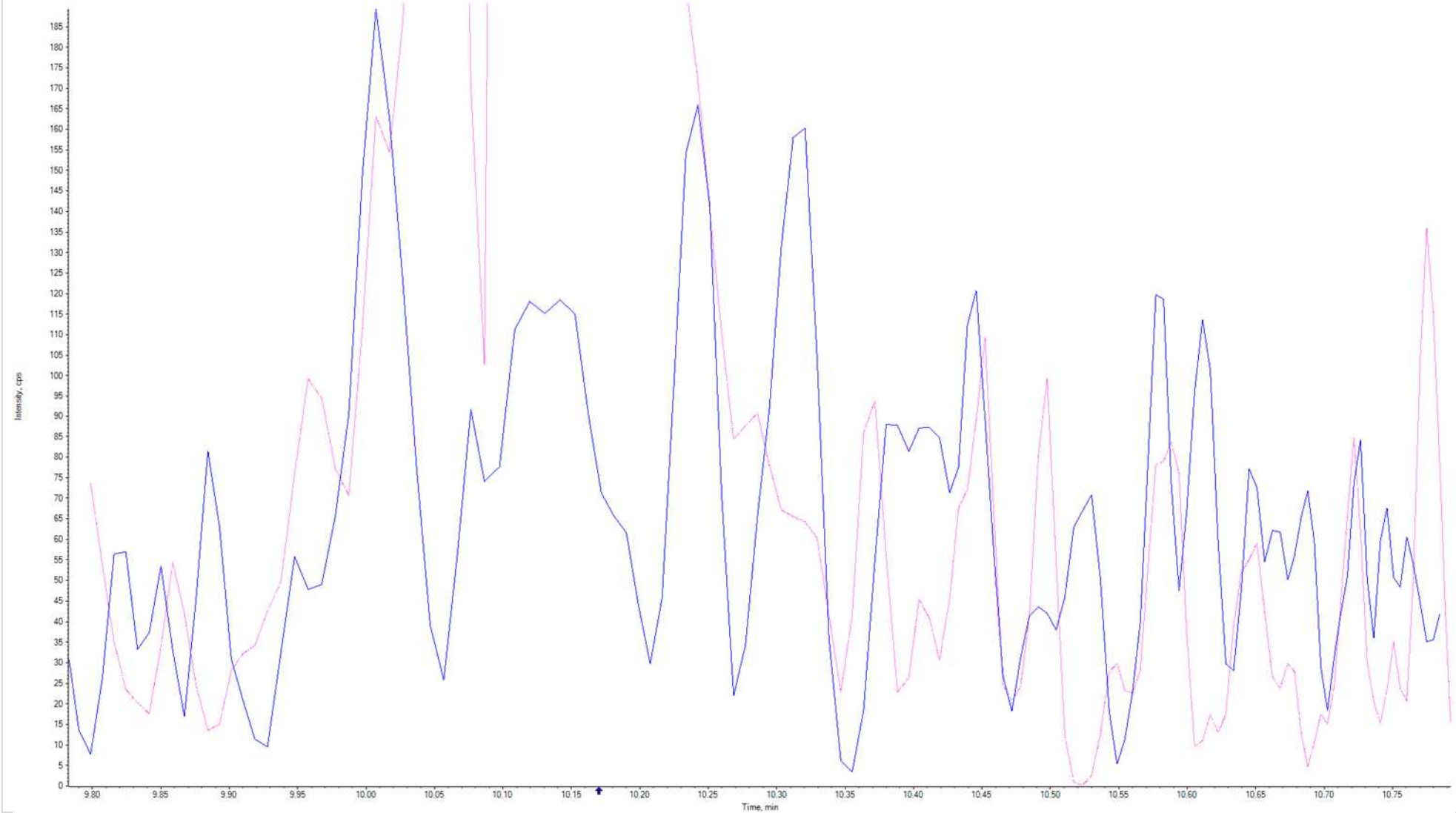

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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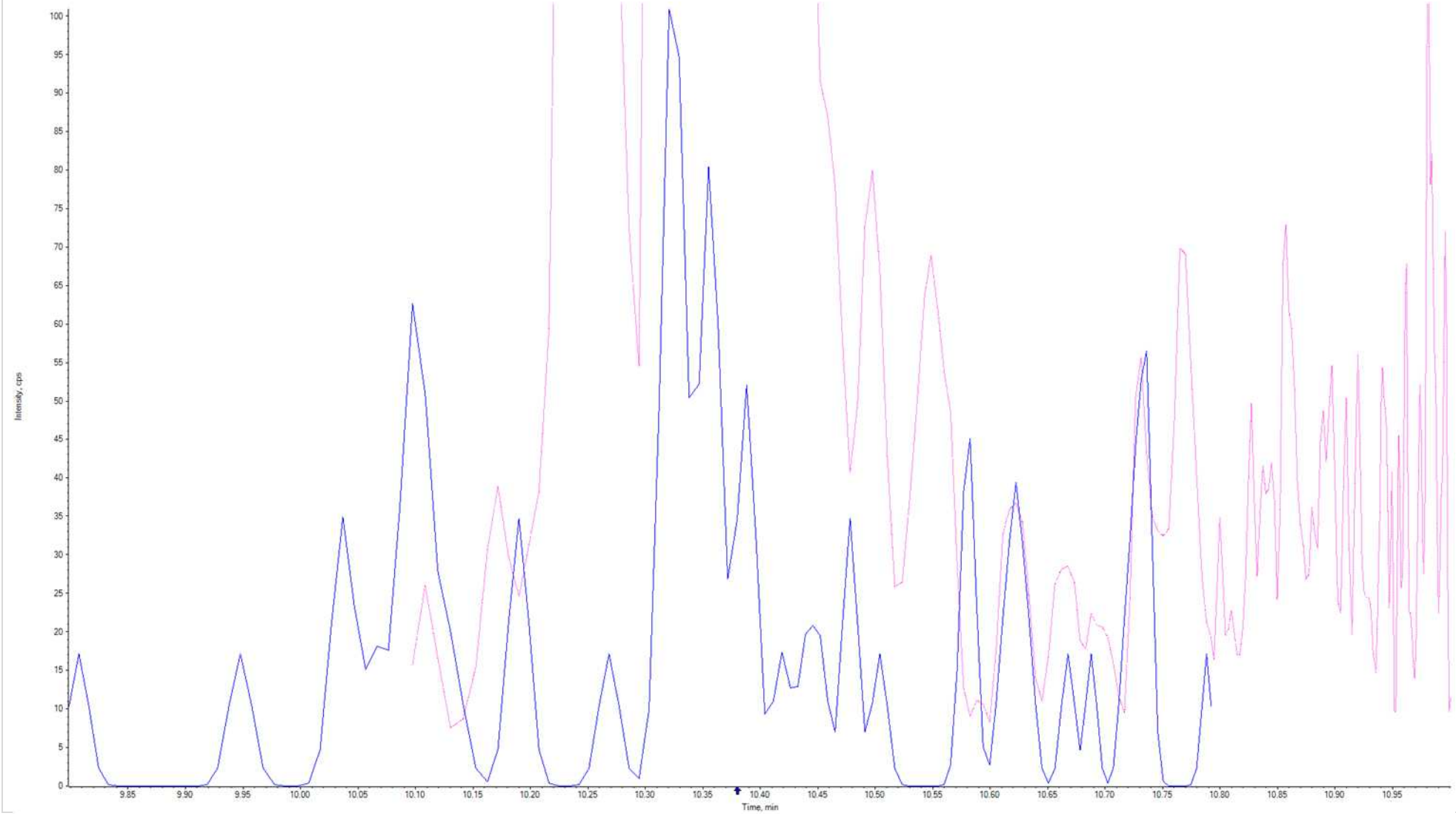

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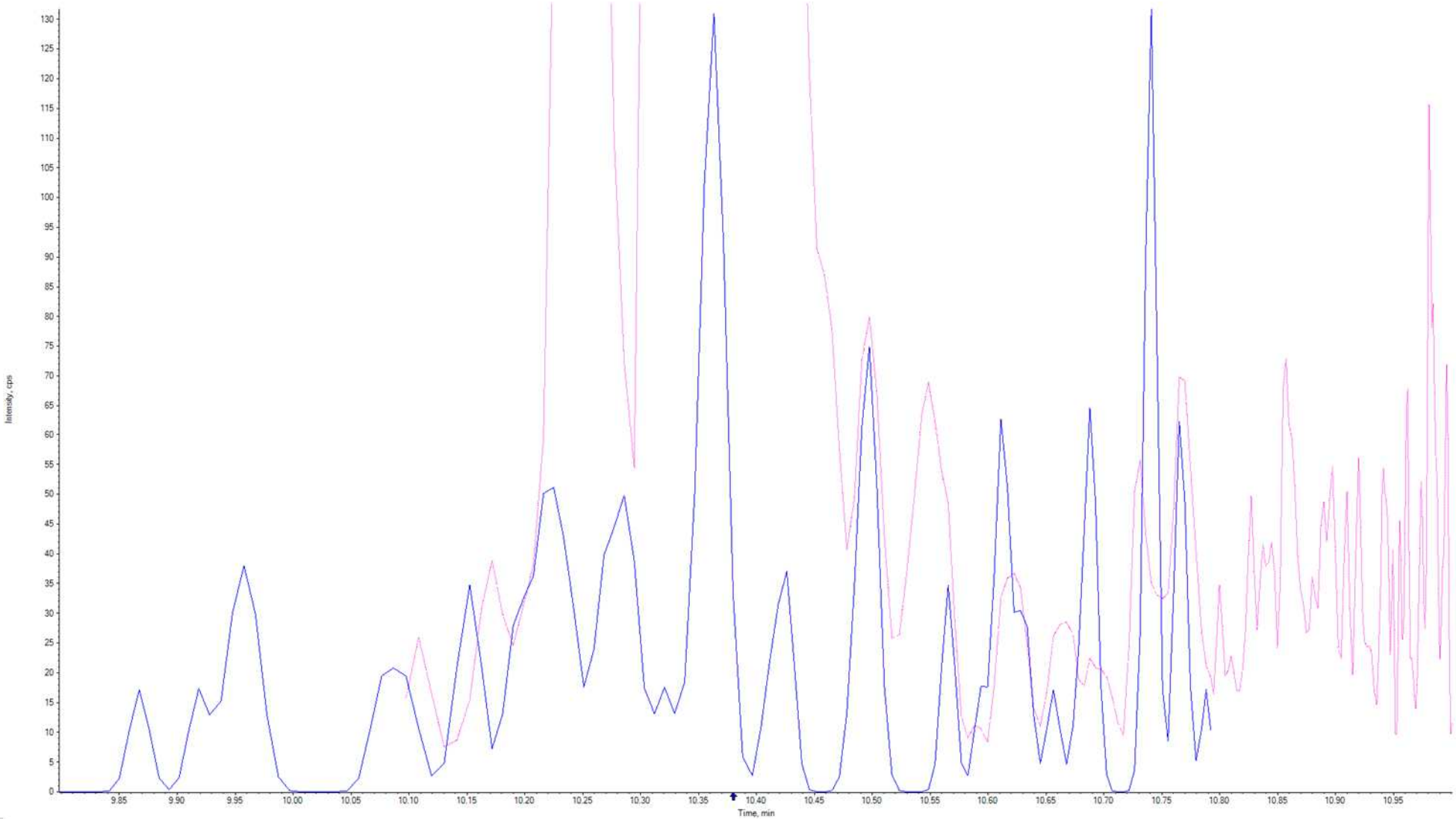

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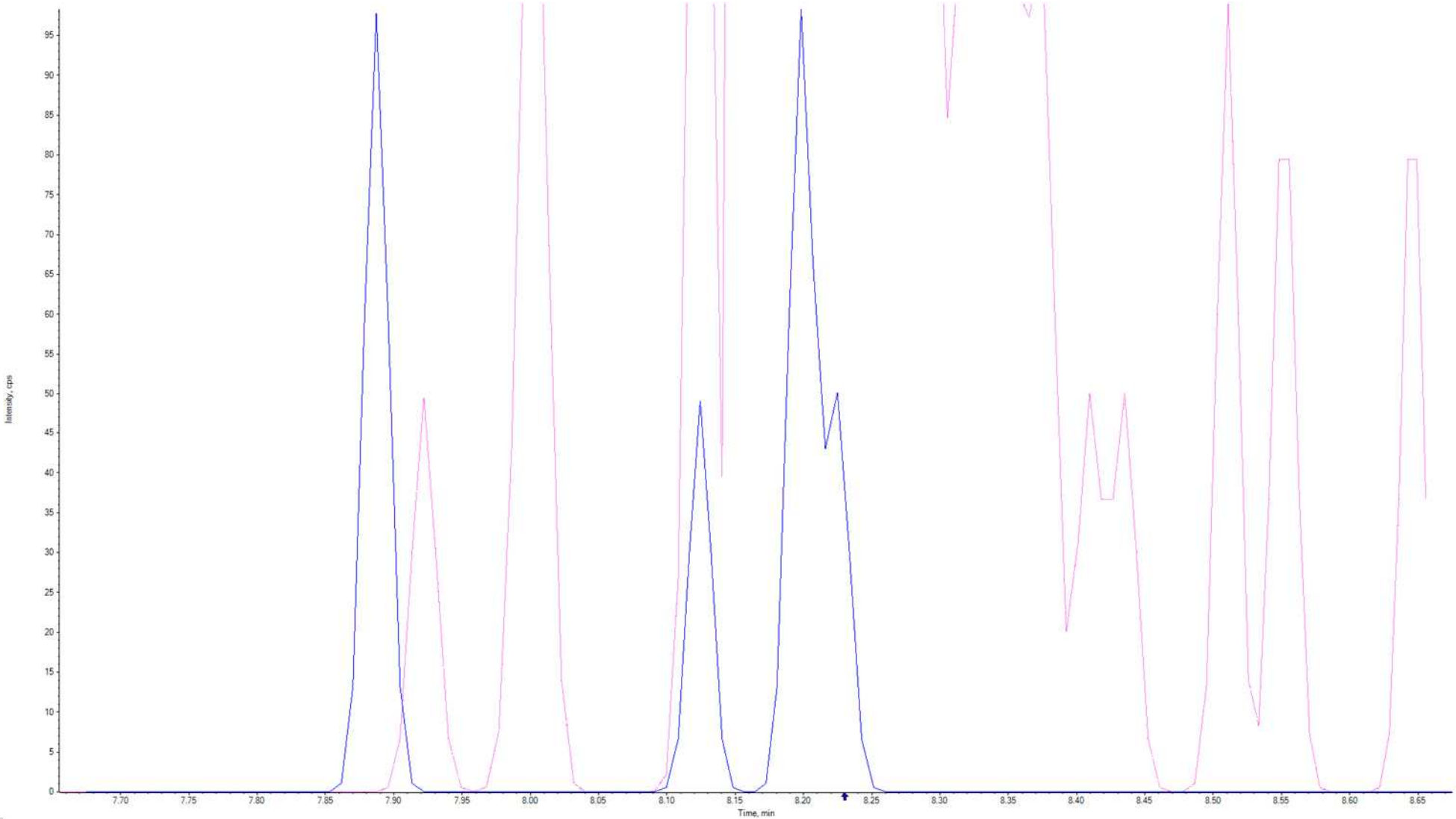

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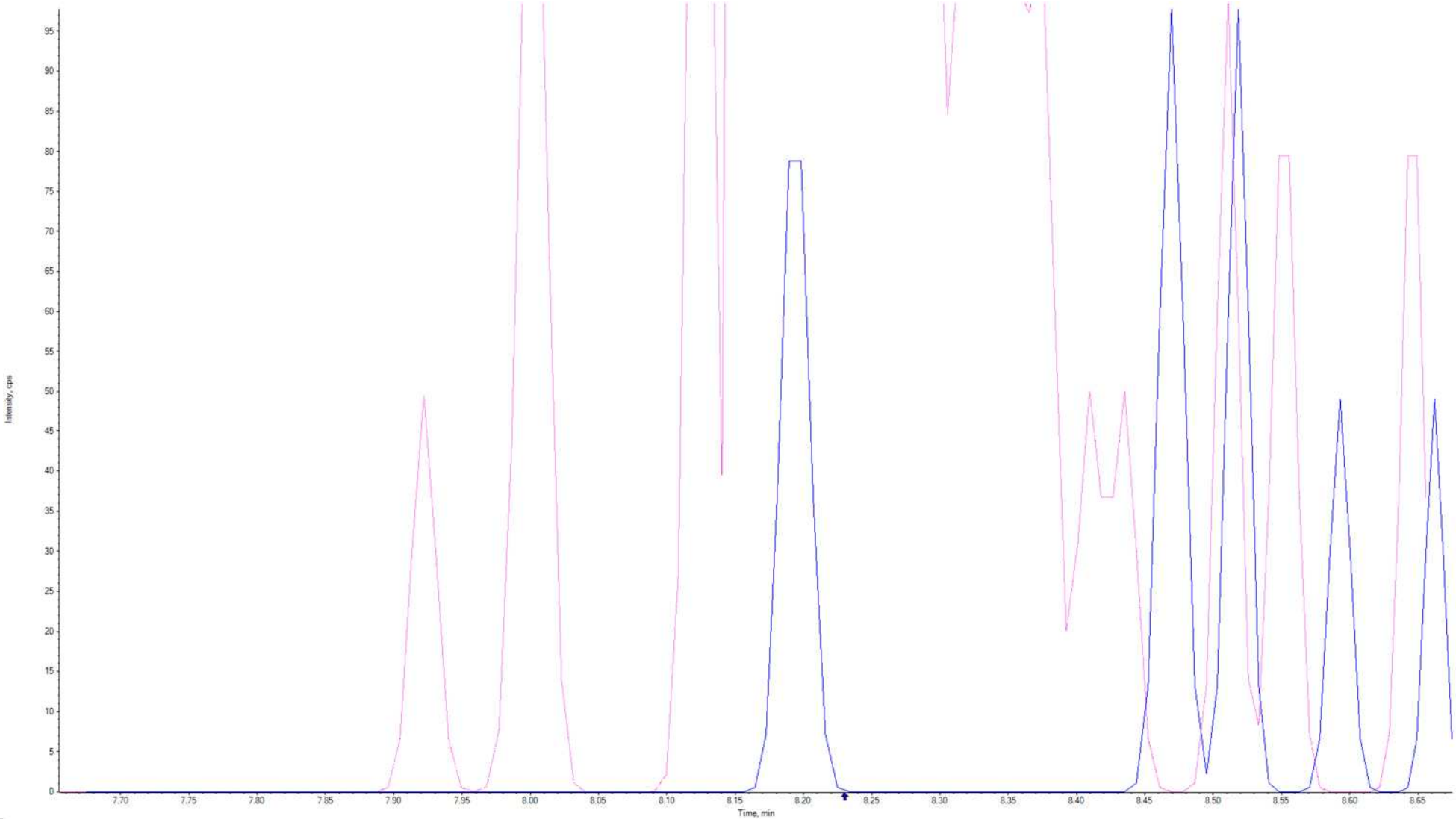

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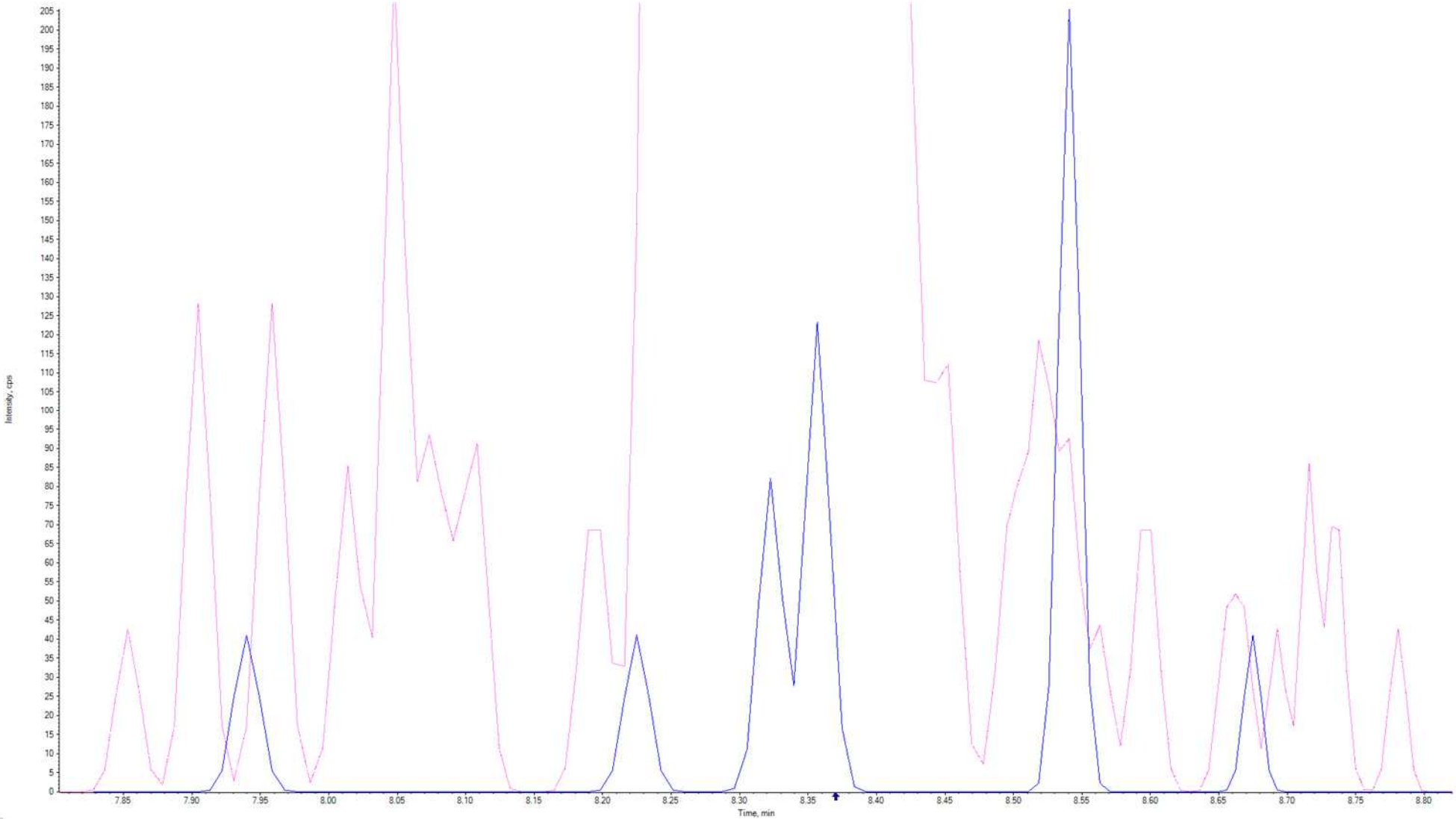

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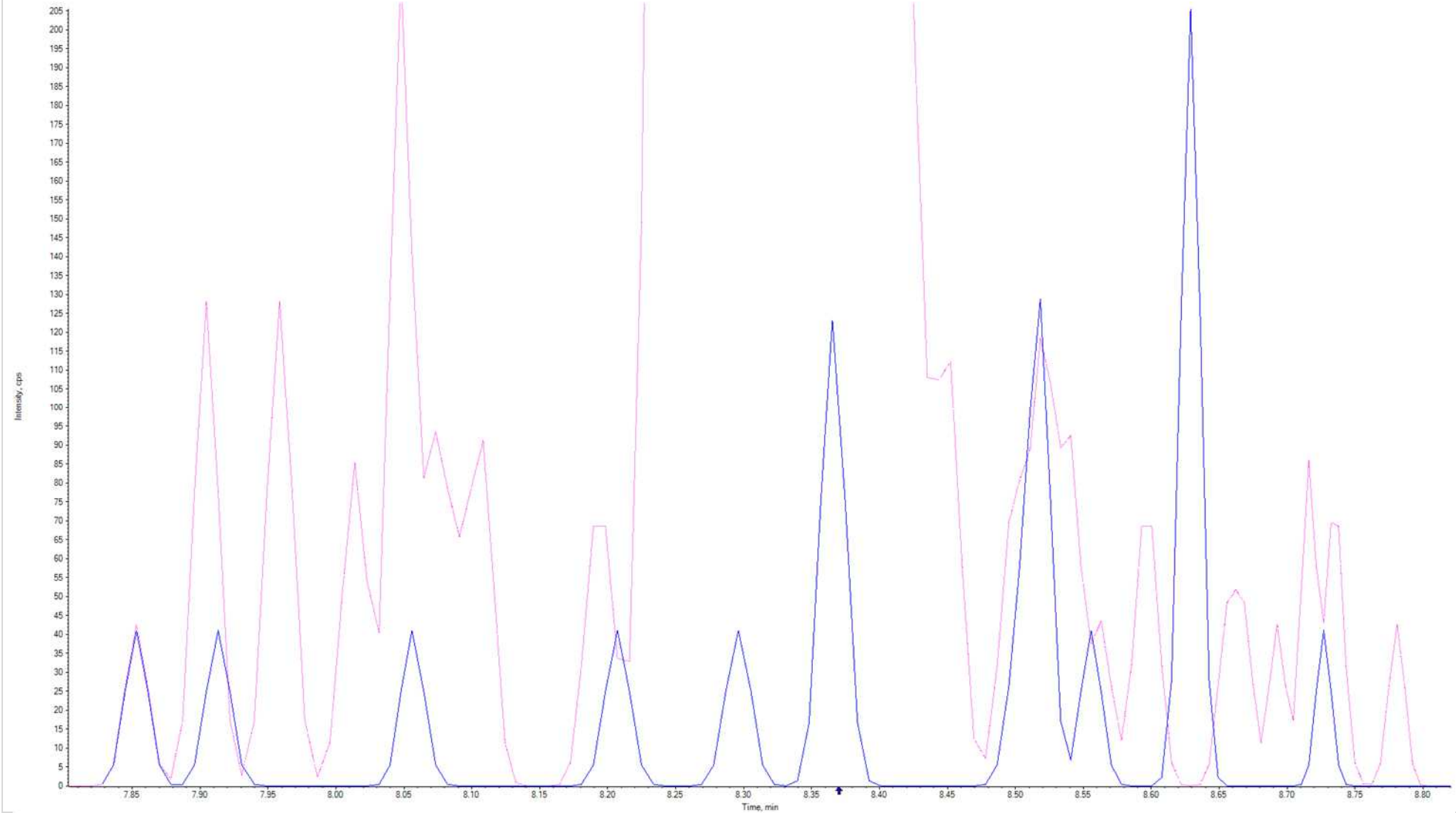

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NMeFOSE
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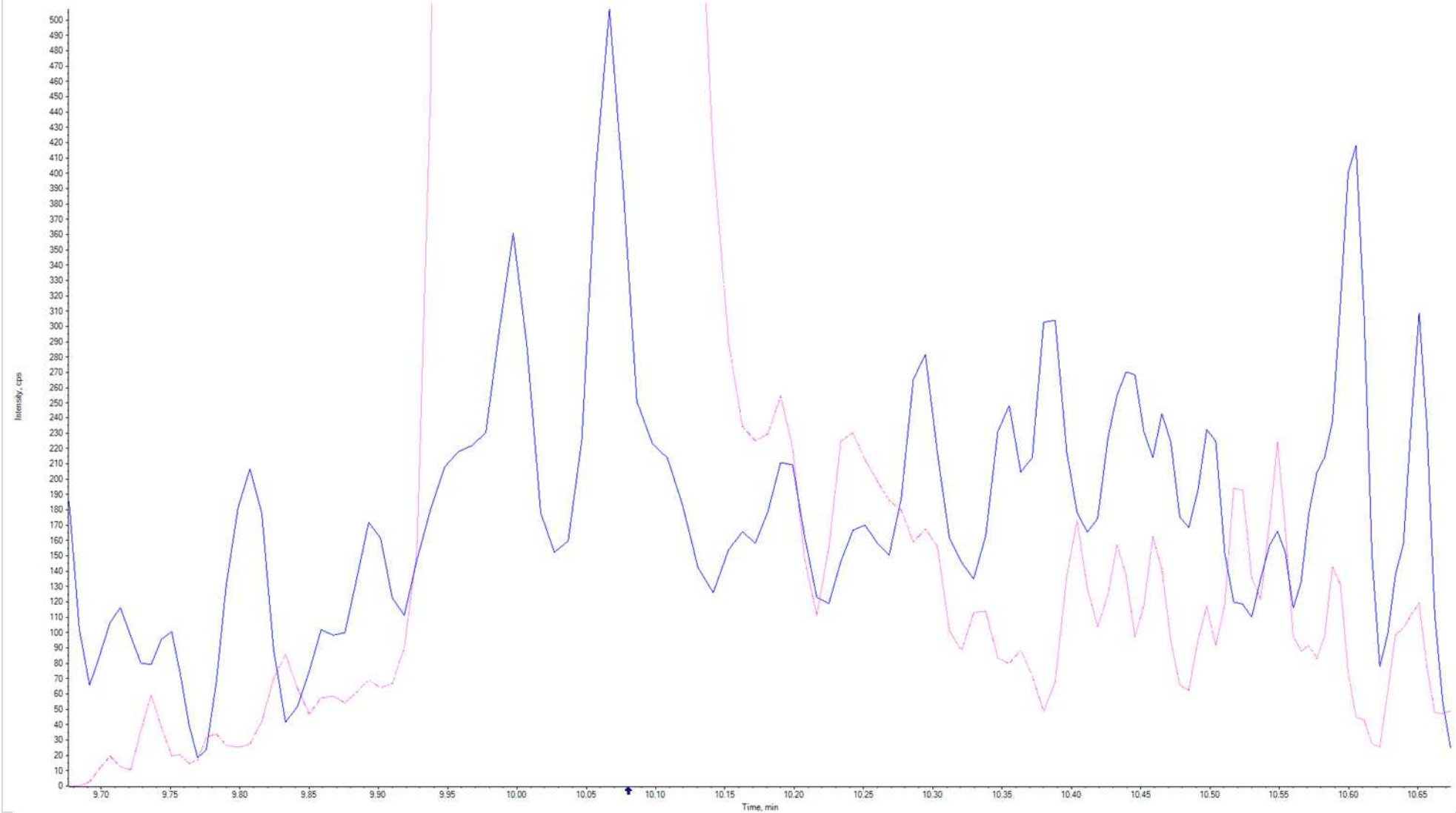

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NEtFOSE
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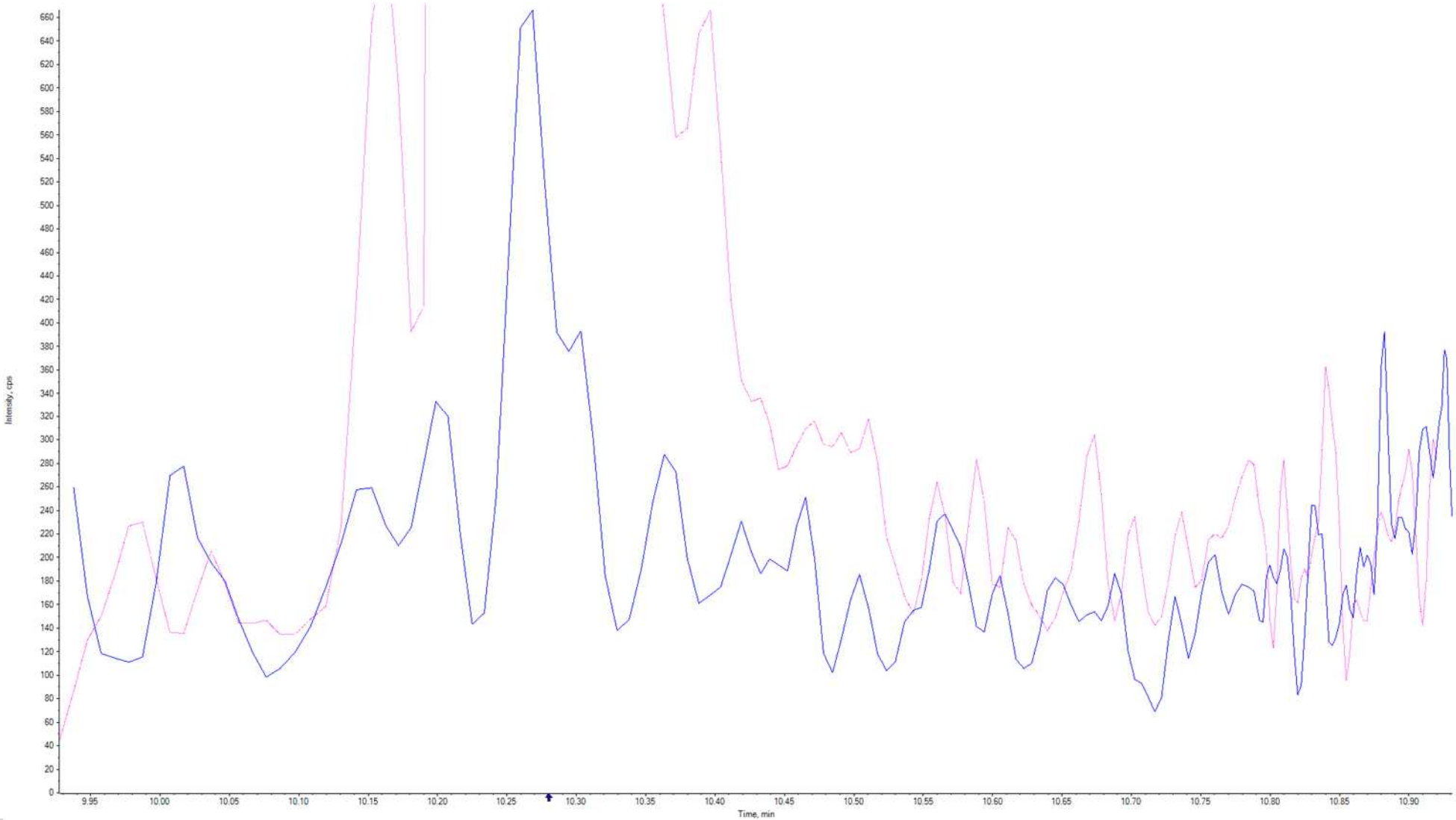

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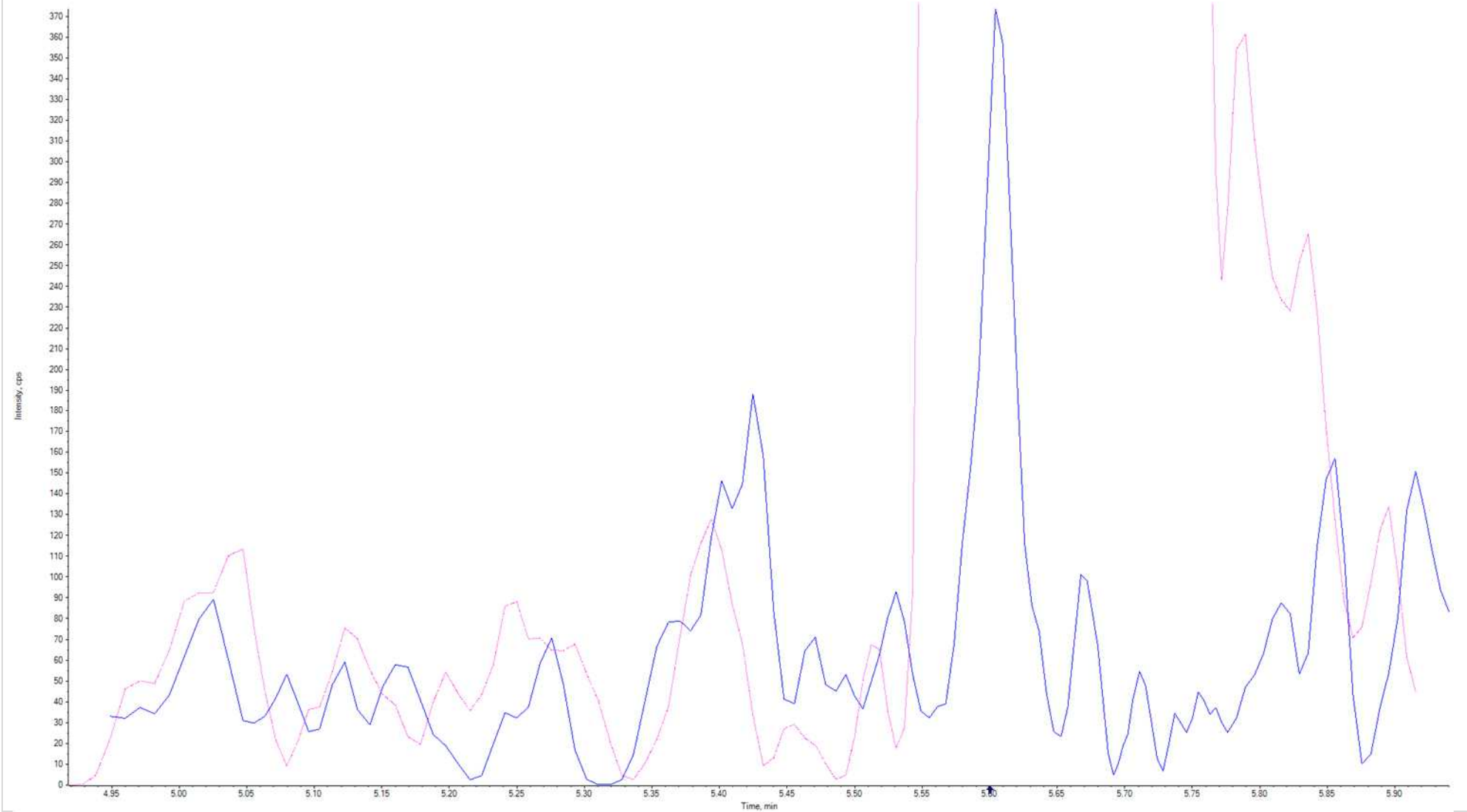

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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HFPO-DA_2
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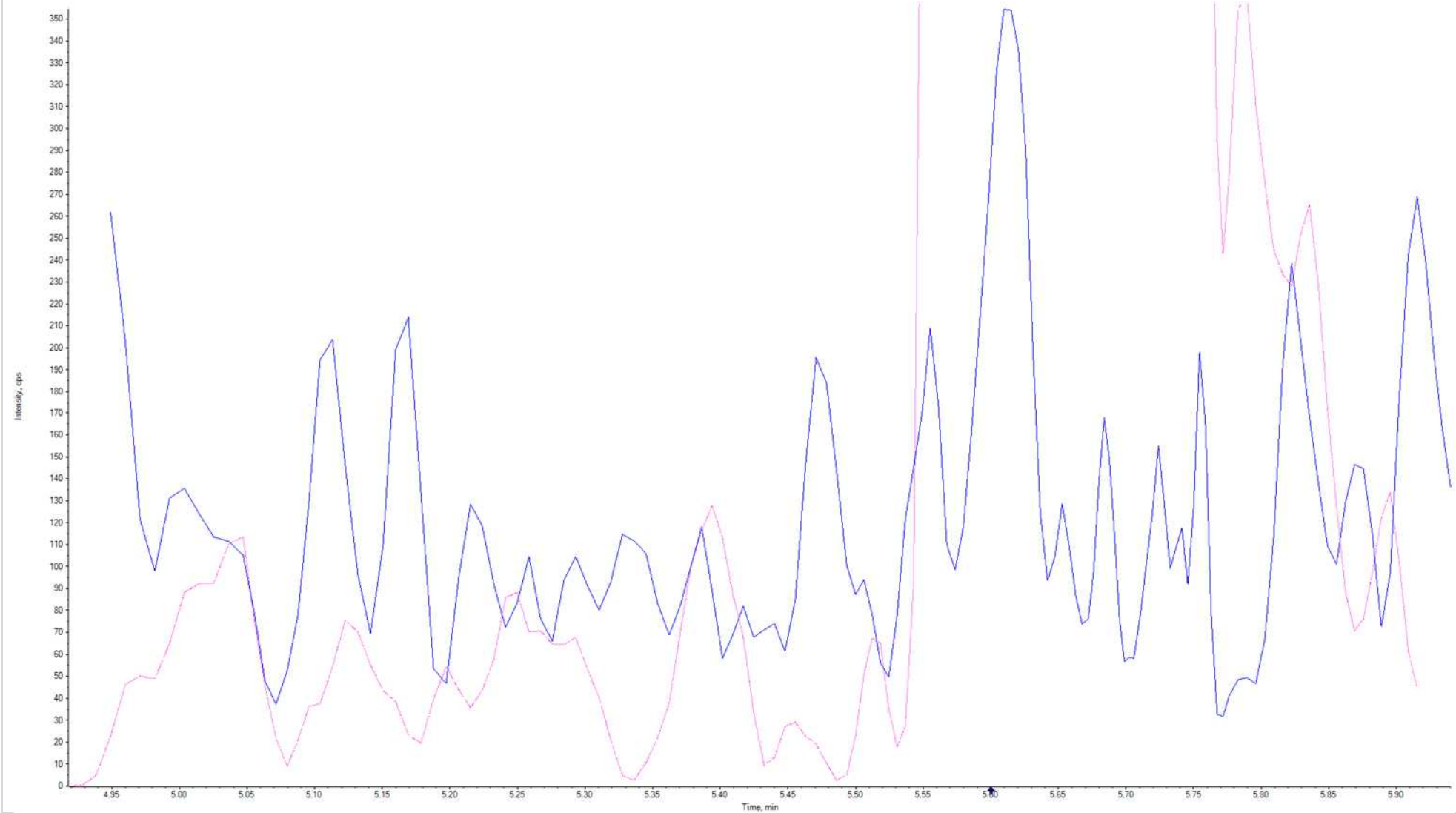

ADONA
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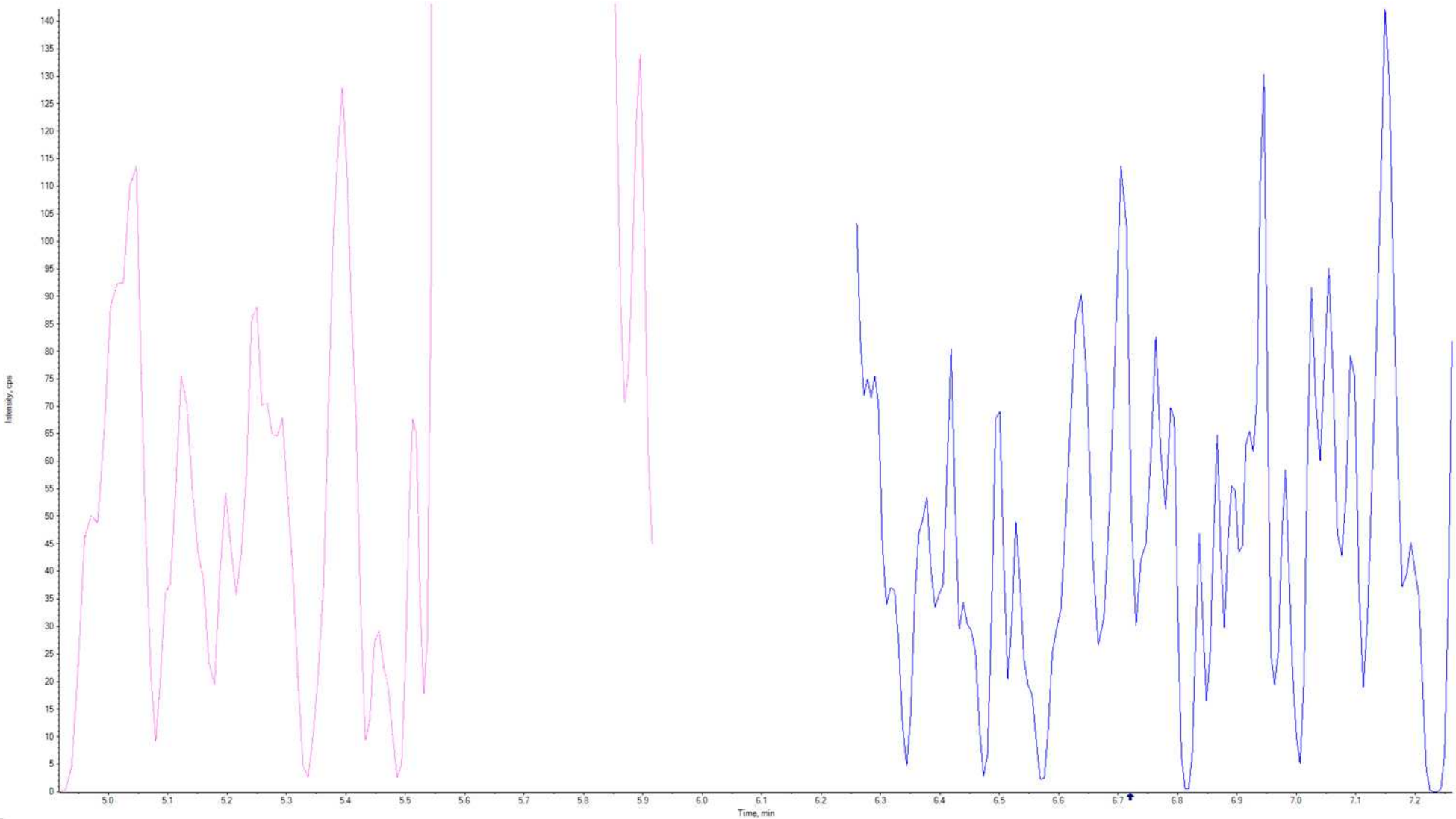

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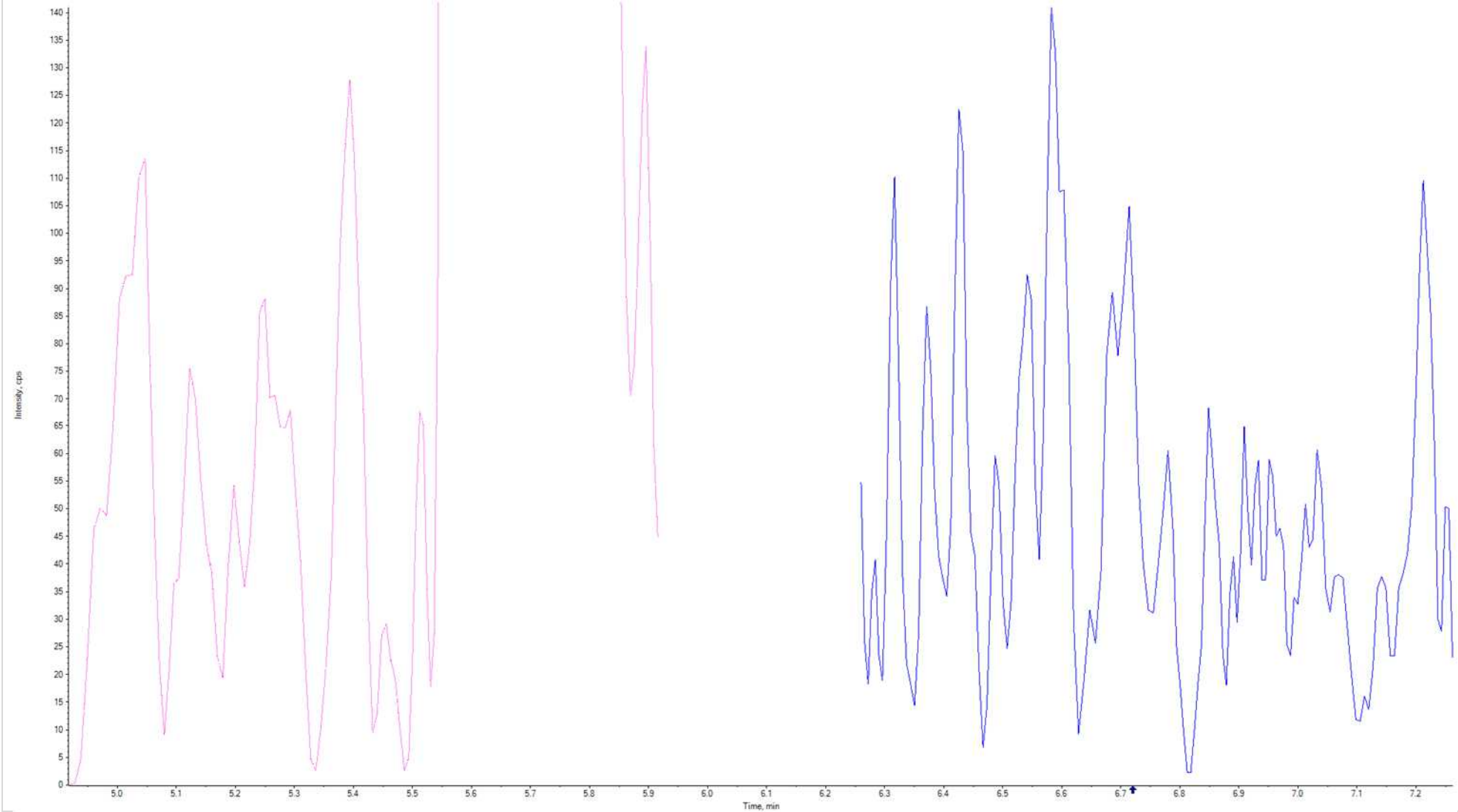

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9Cl-PF3ONS
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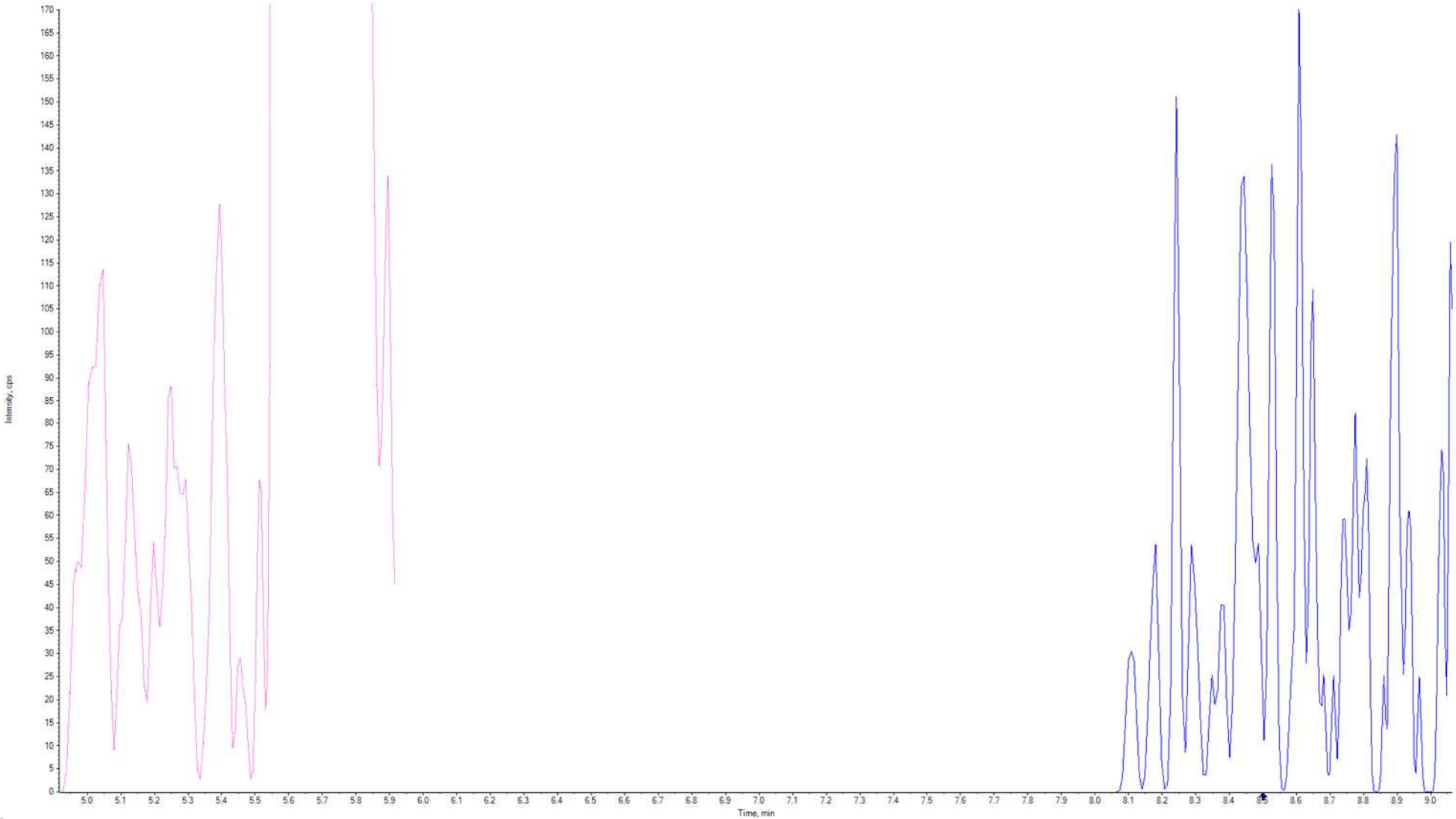

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9Cl-PF3ONS_2
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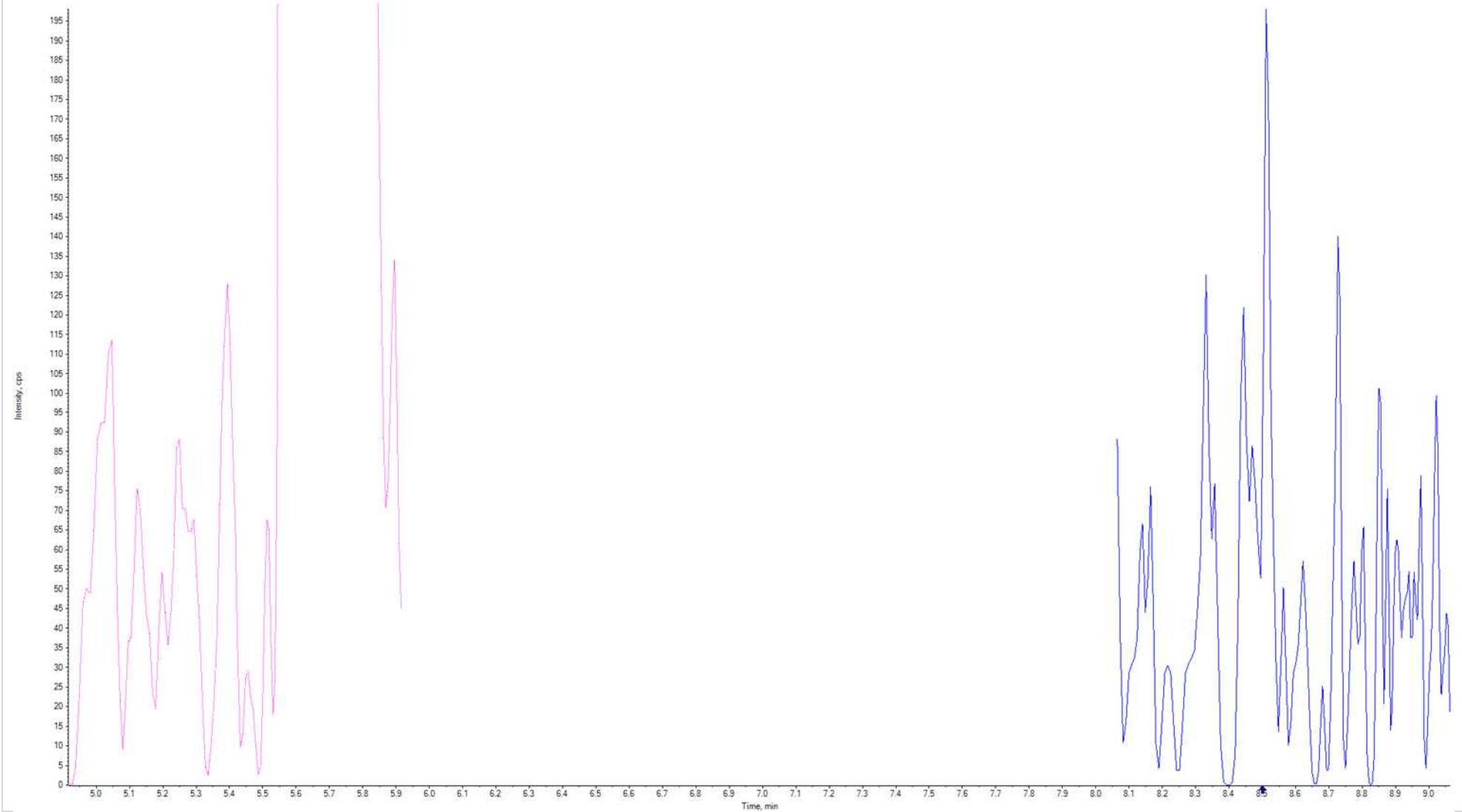

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11Cl-PF3OUdS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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3:3FTCA
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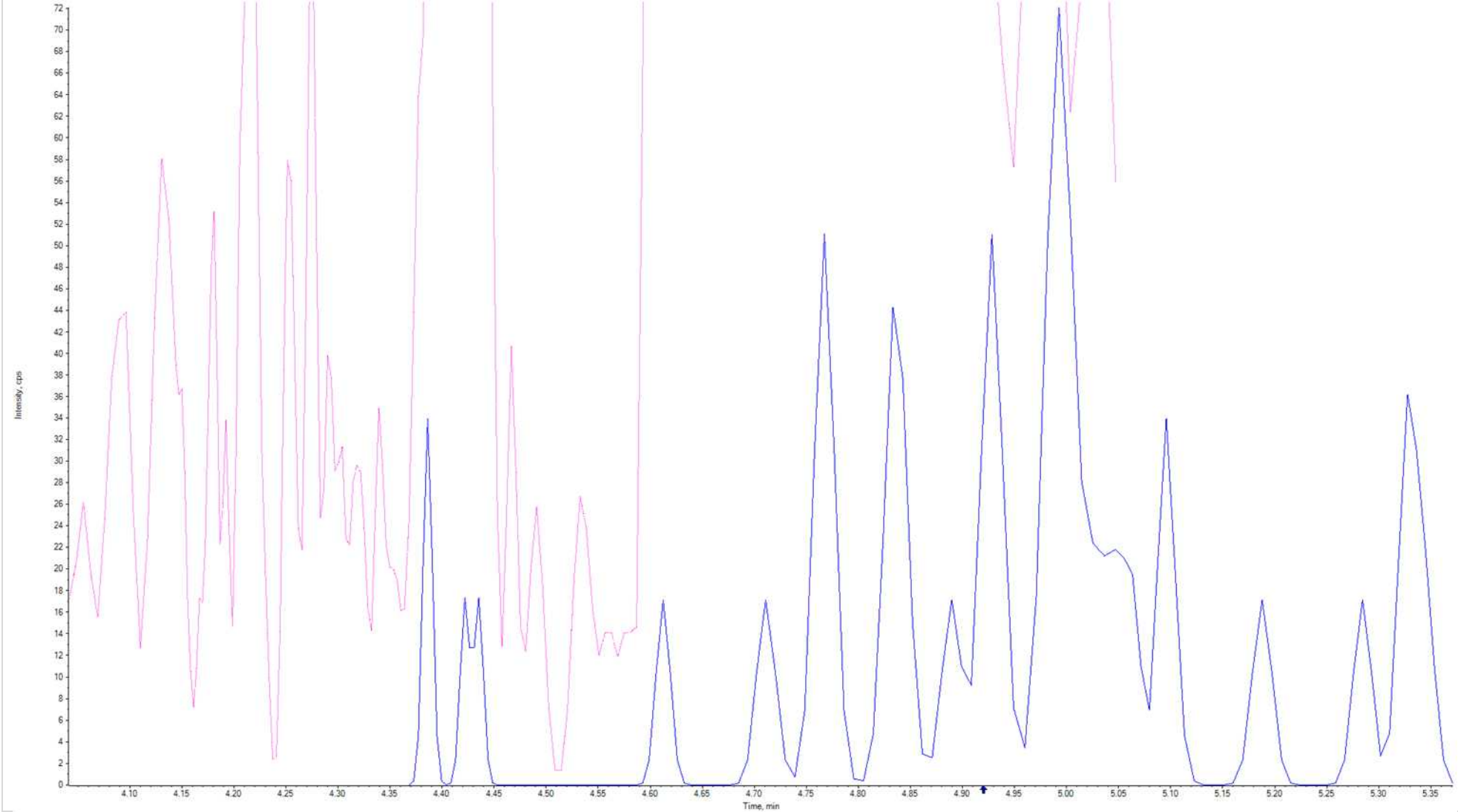

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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3:3FTCA_2
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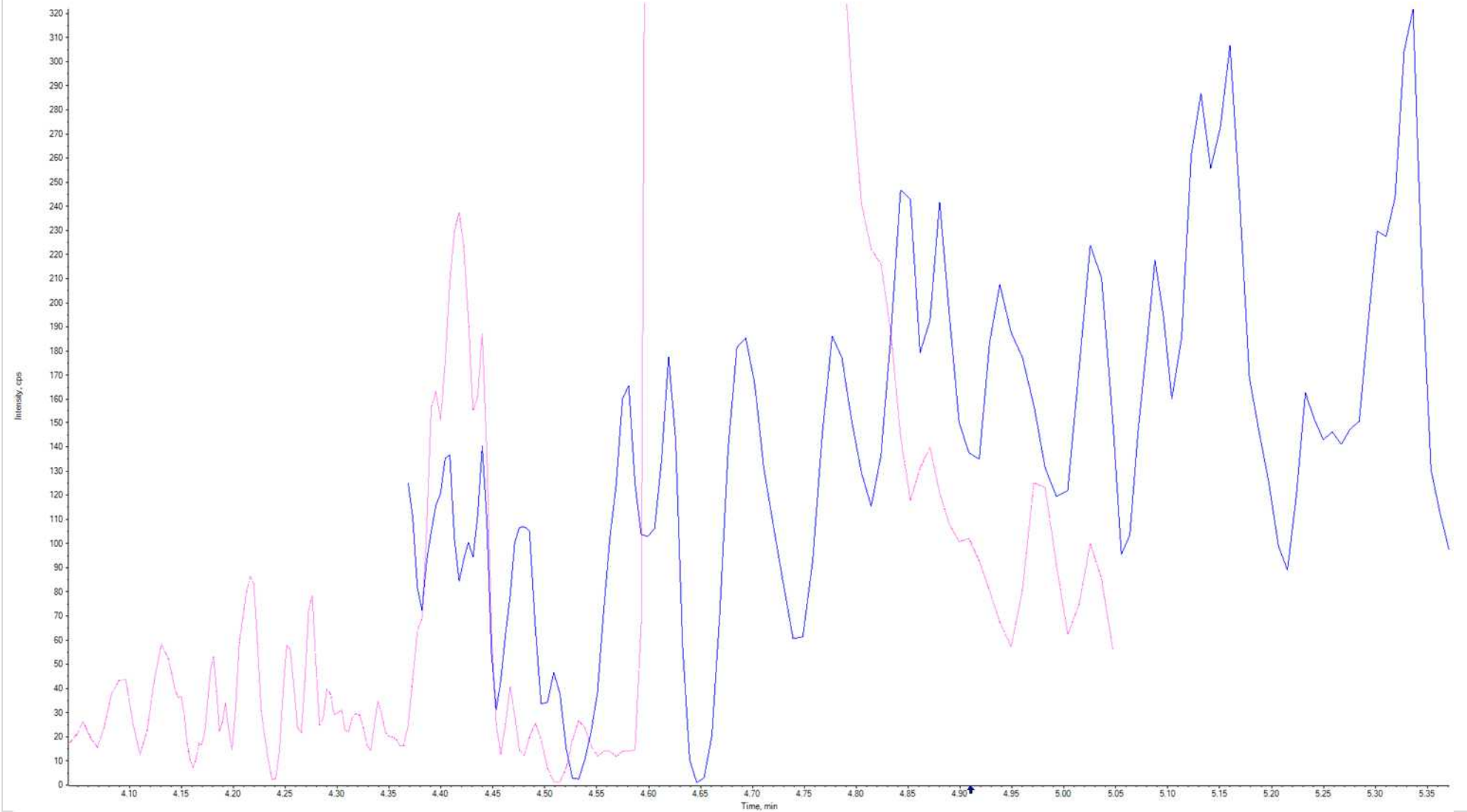

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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5:3FTCA
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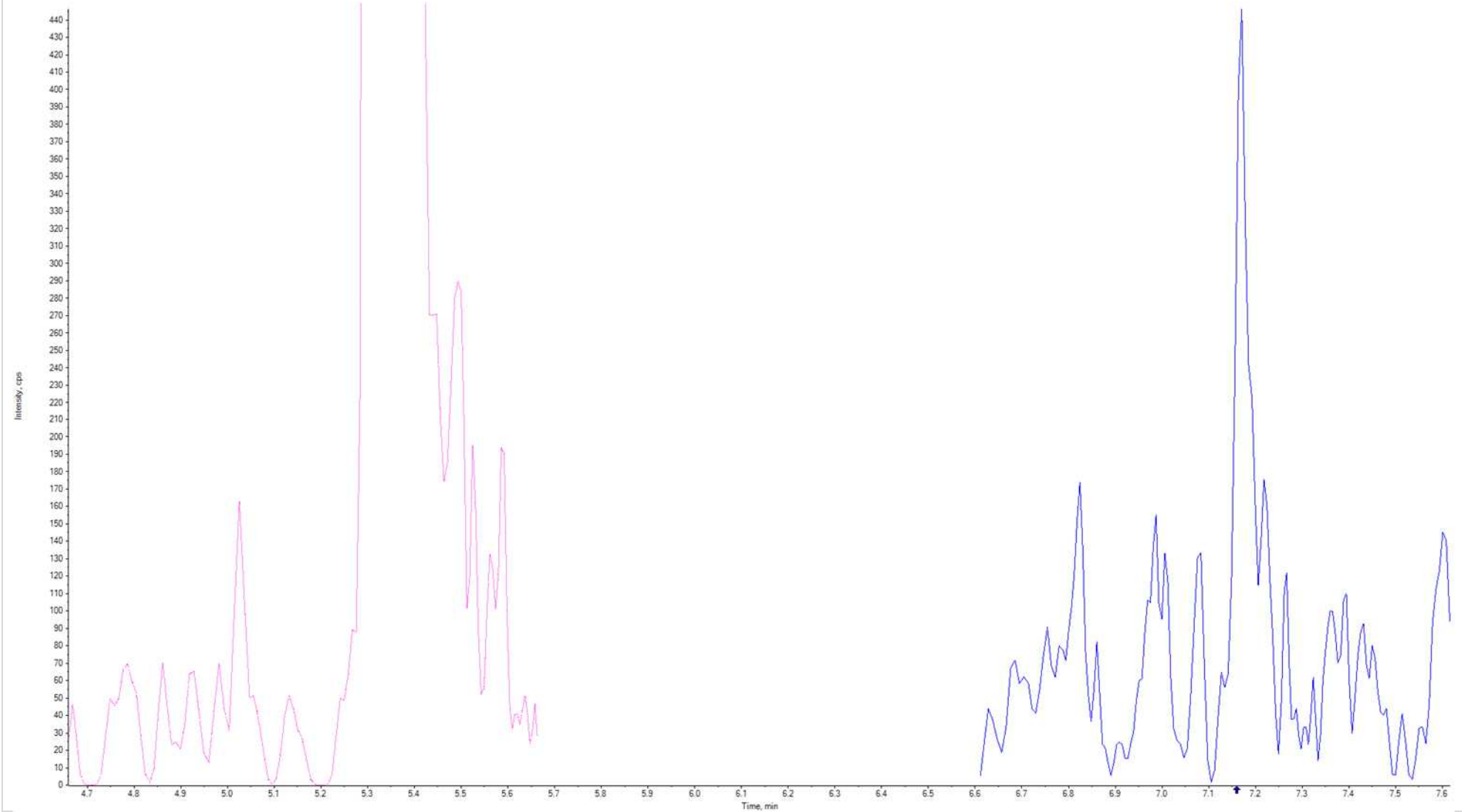

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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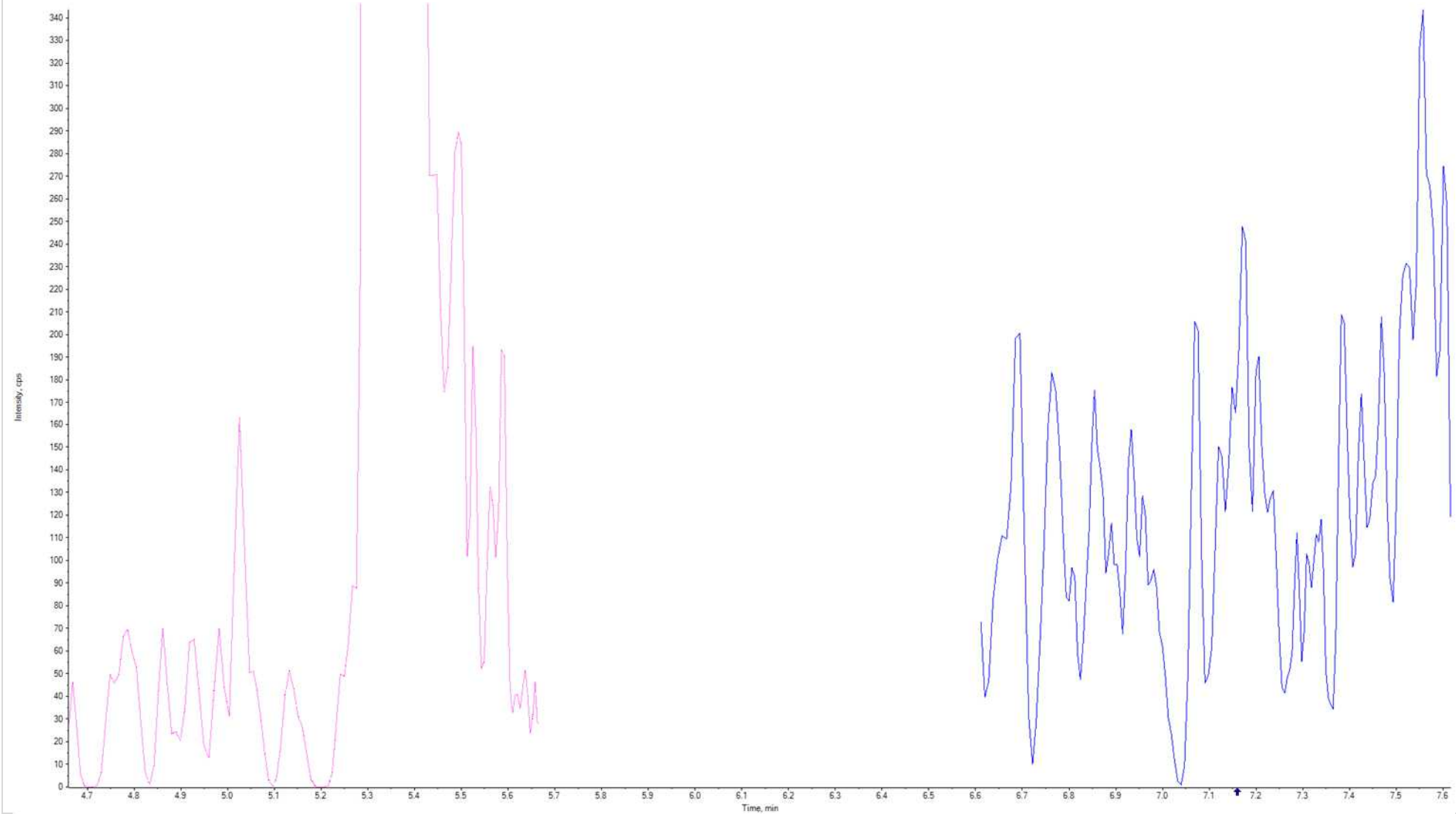

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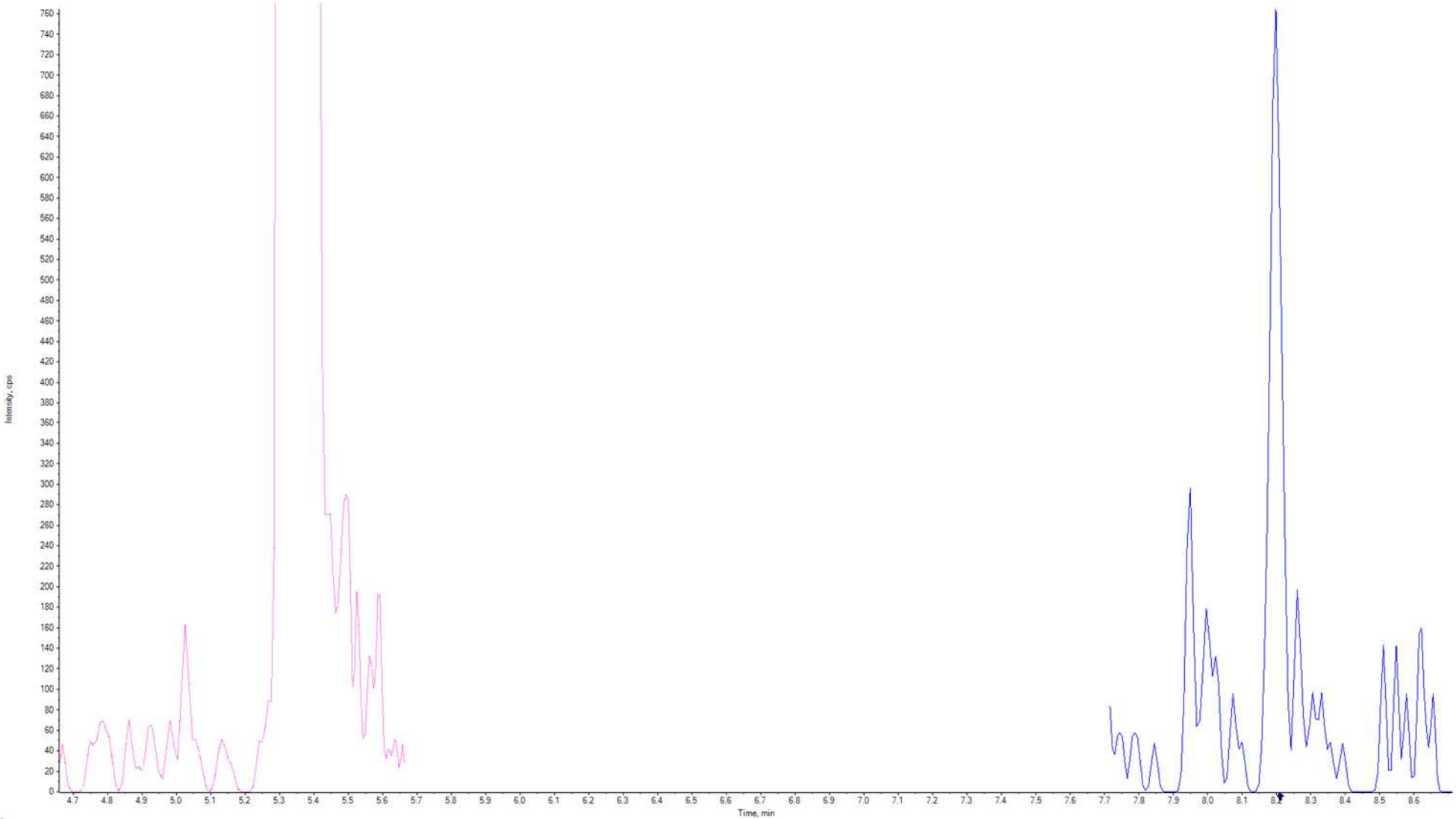

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7:3FTCA_2
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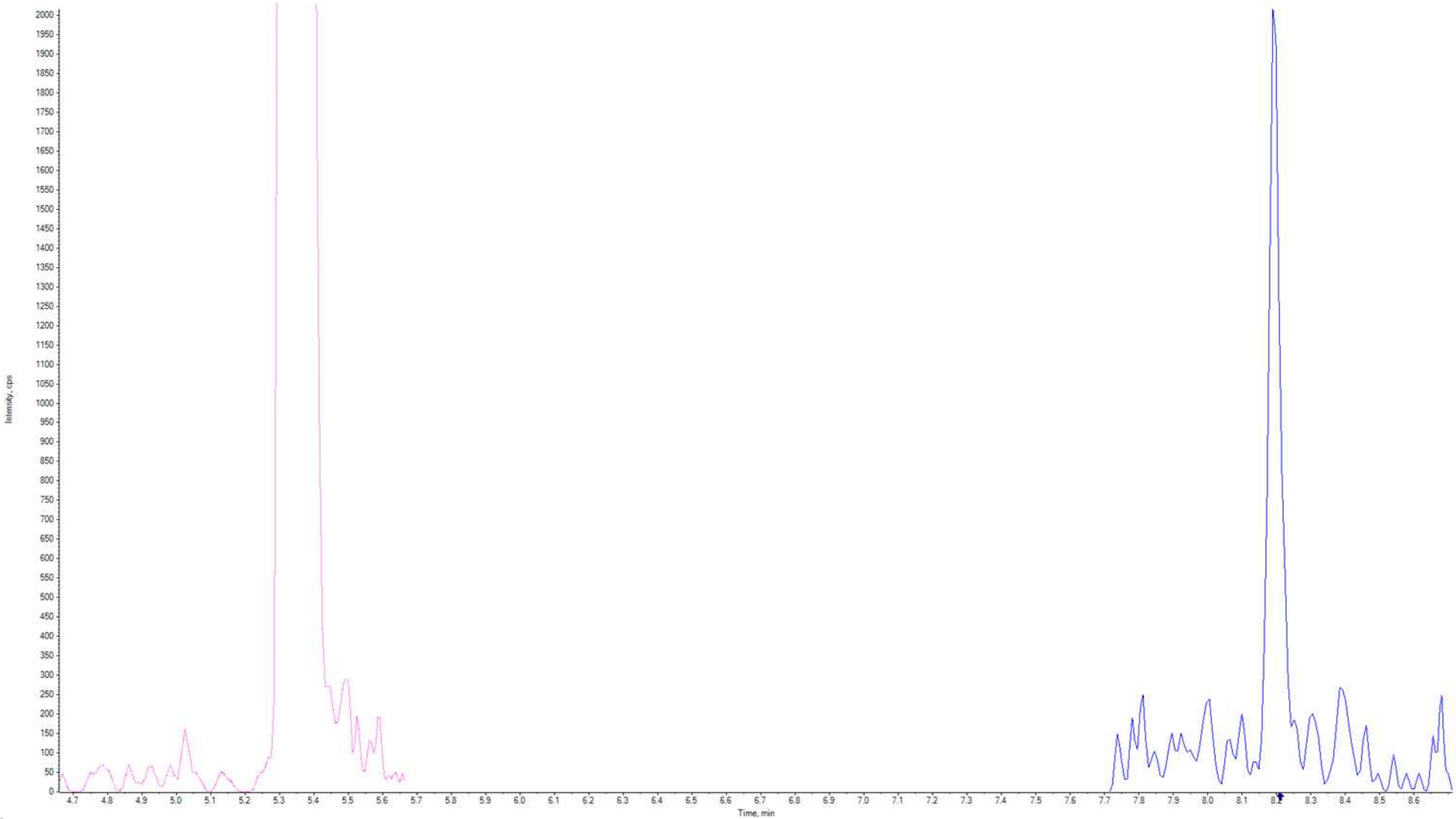

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Alpha Analytical Inc.
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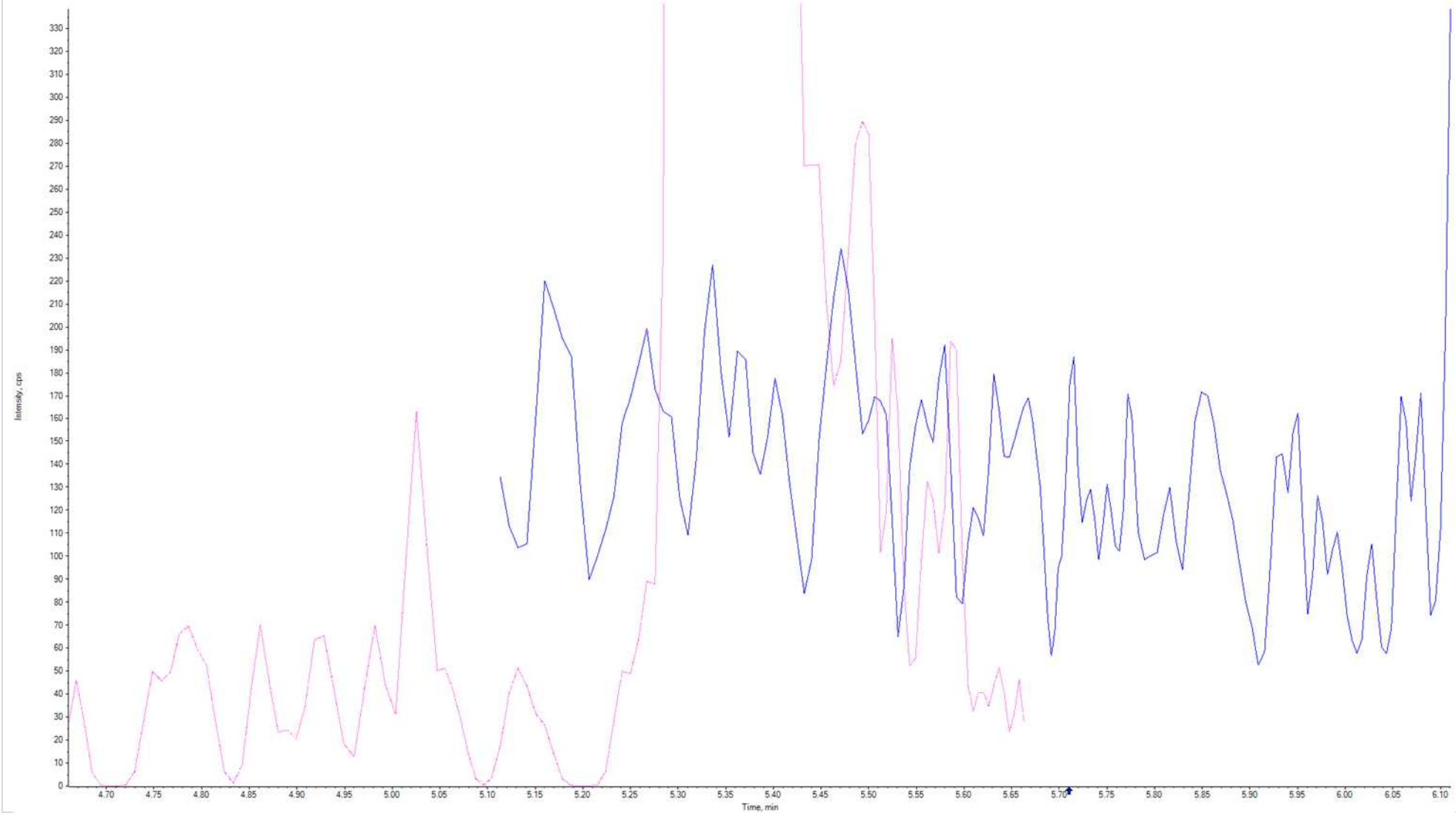
PFEESA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFEESA_2
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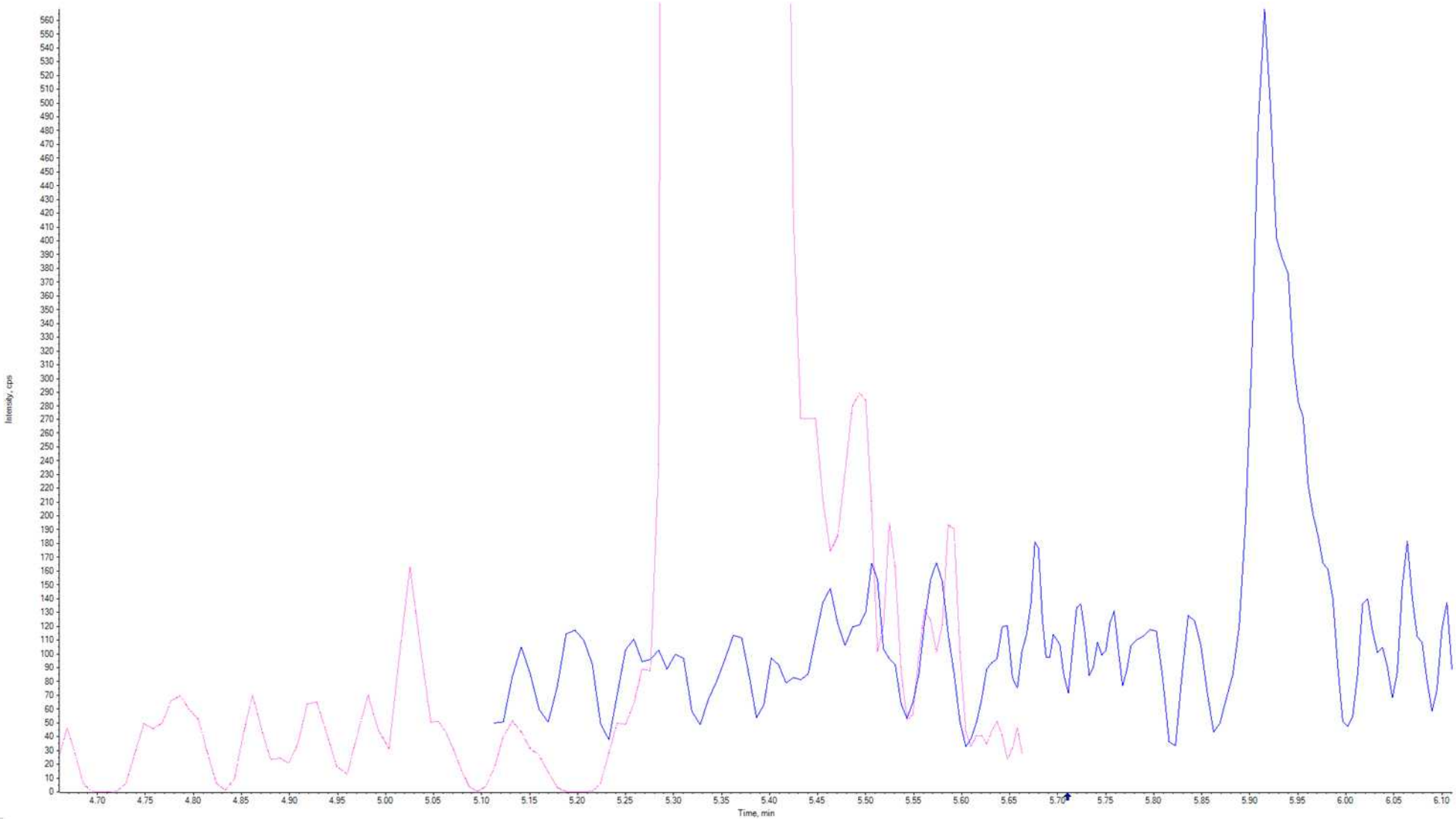

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFMPA
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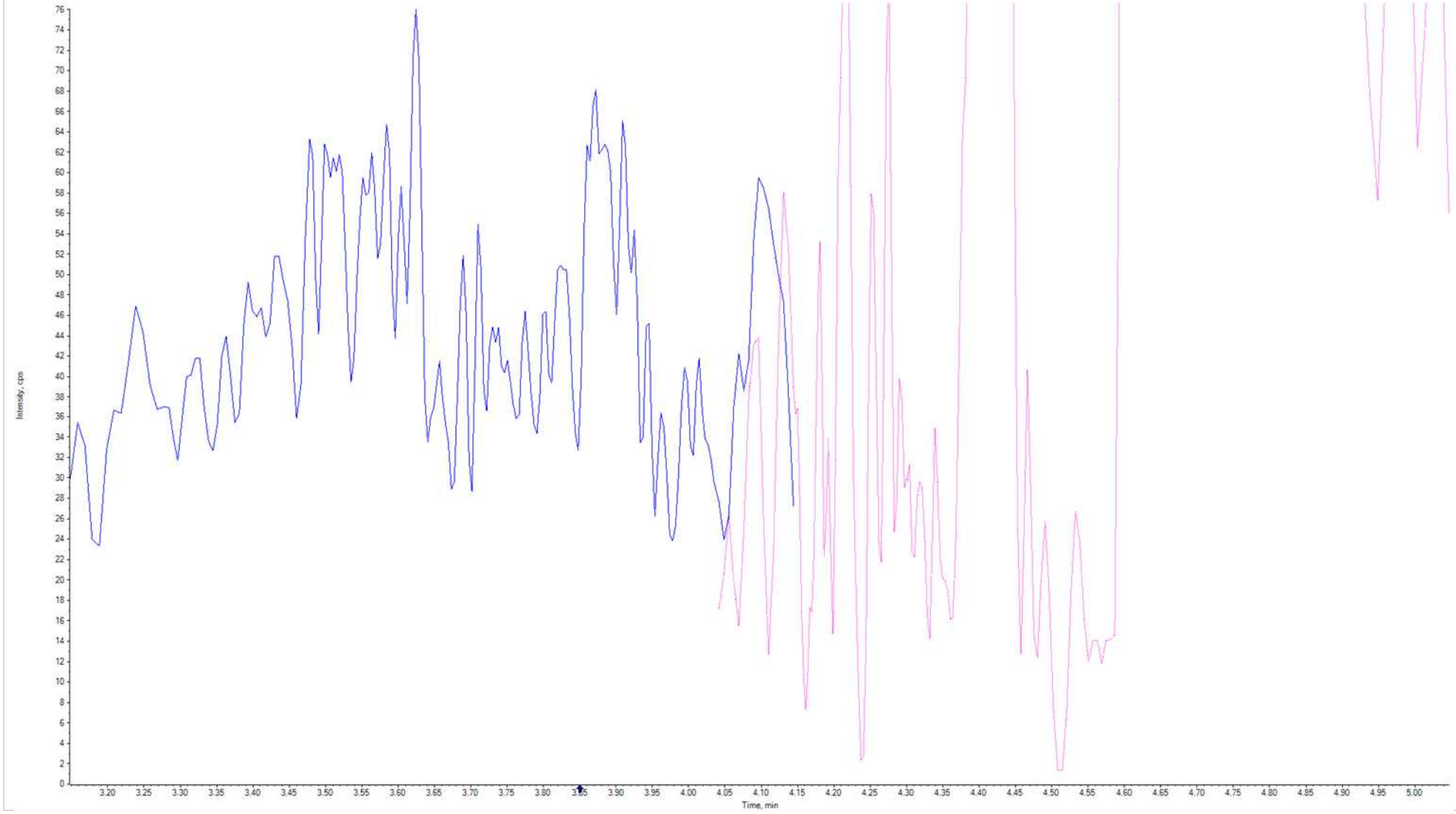

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFMBA
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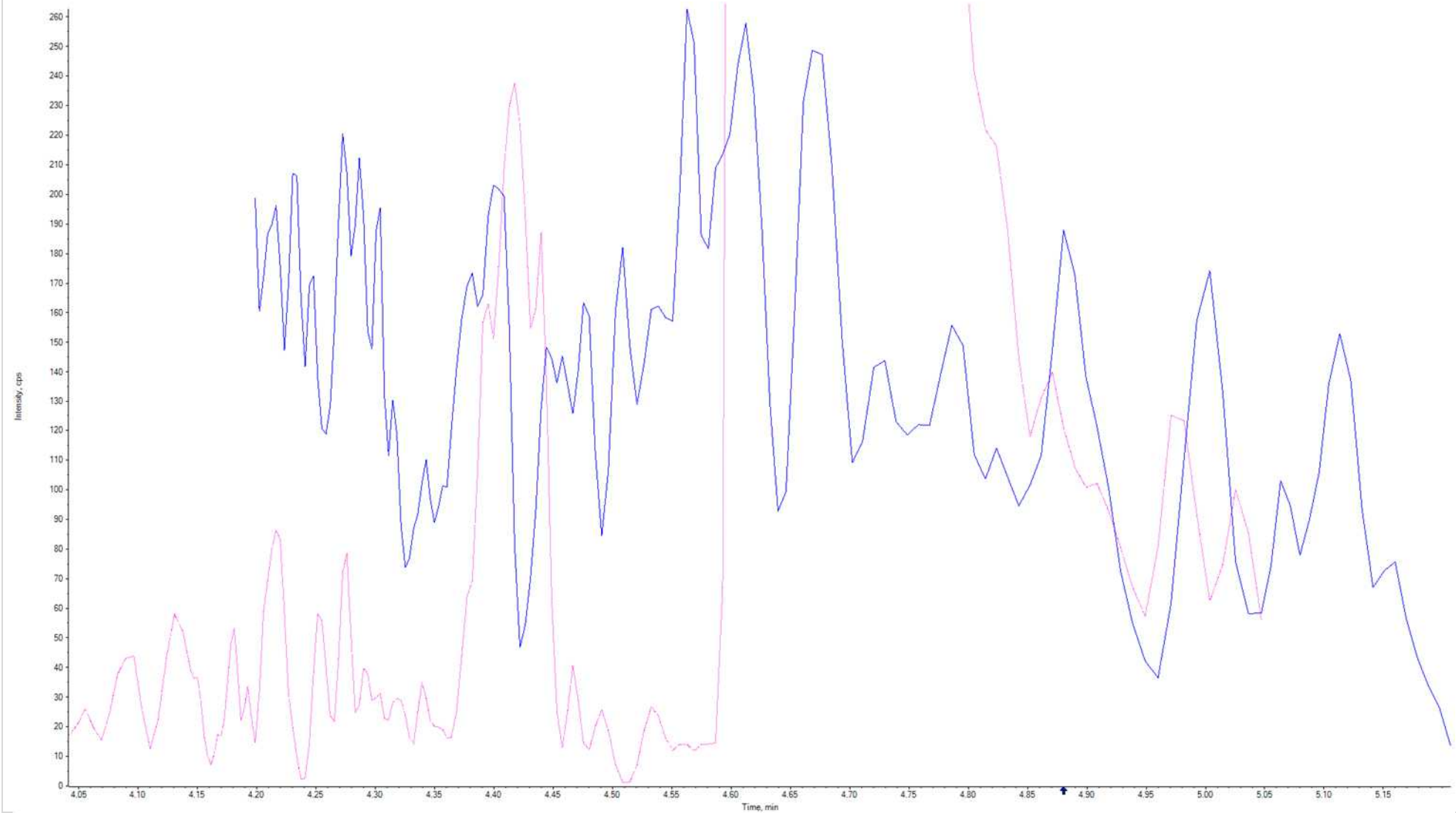
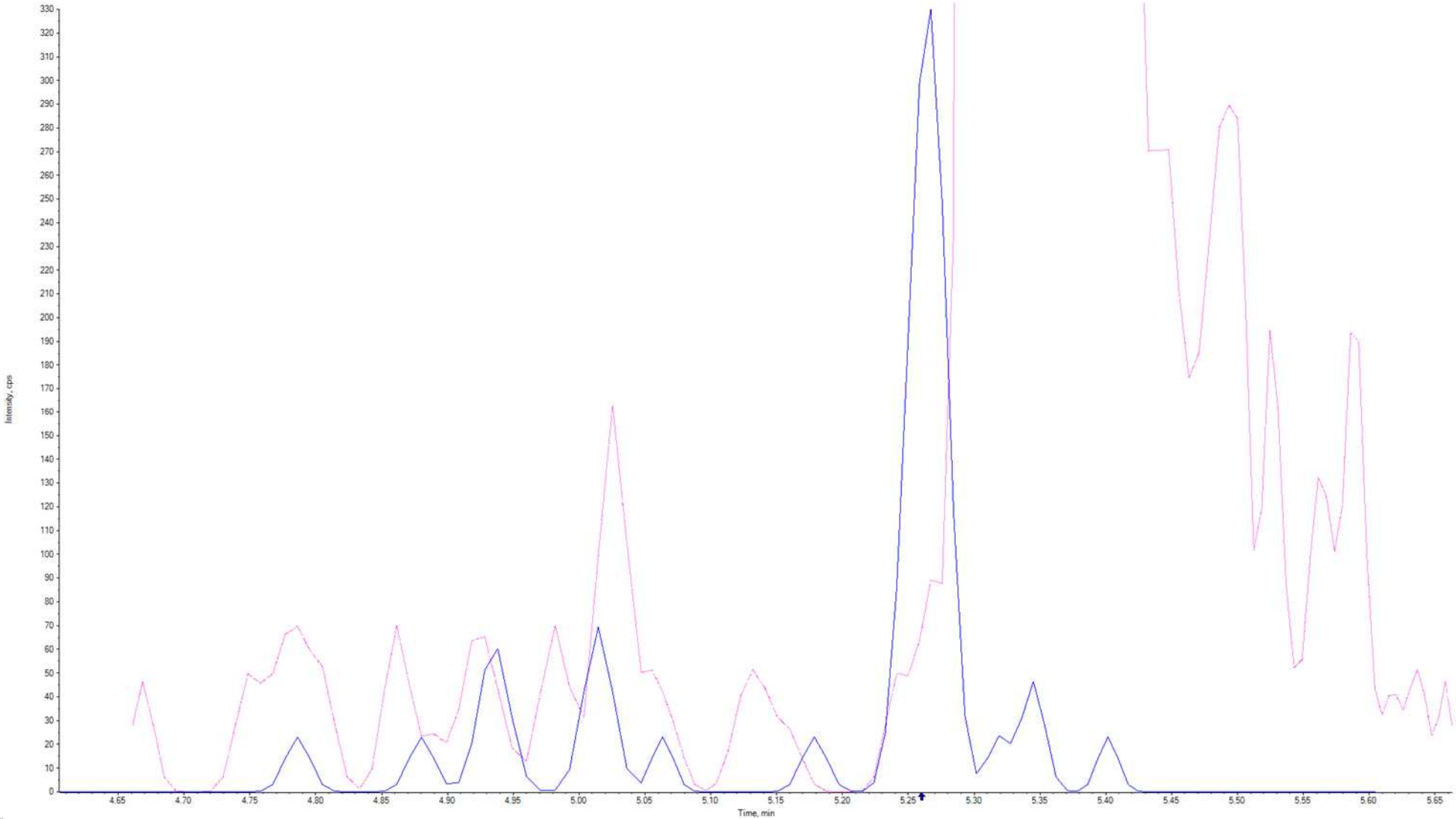
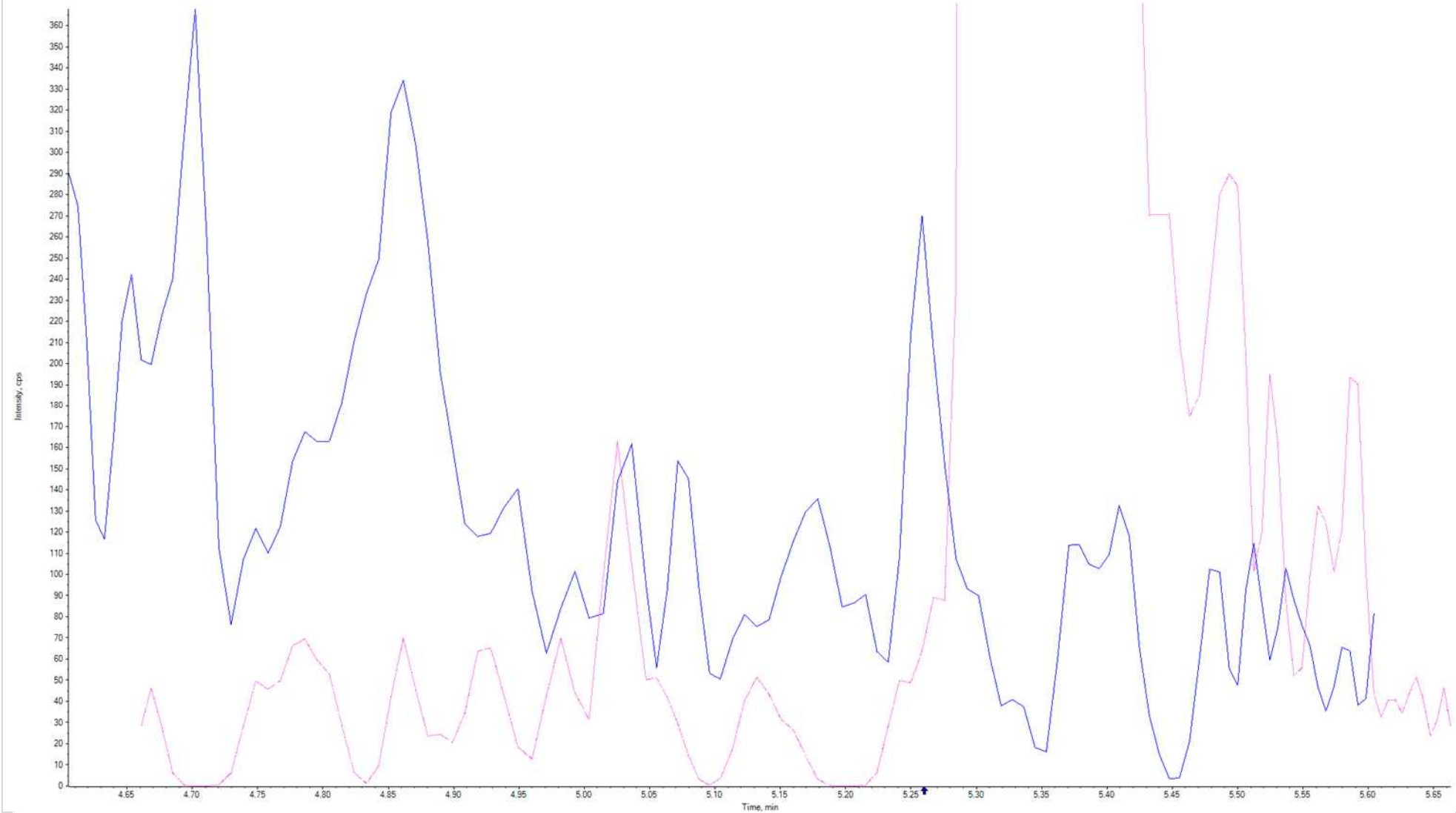


NFDHA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



NFDHA_2
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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TDCA
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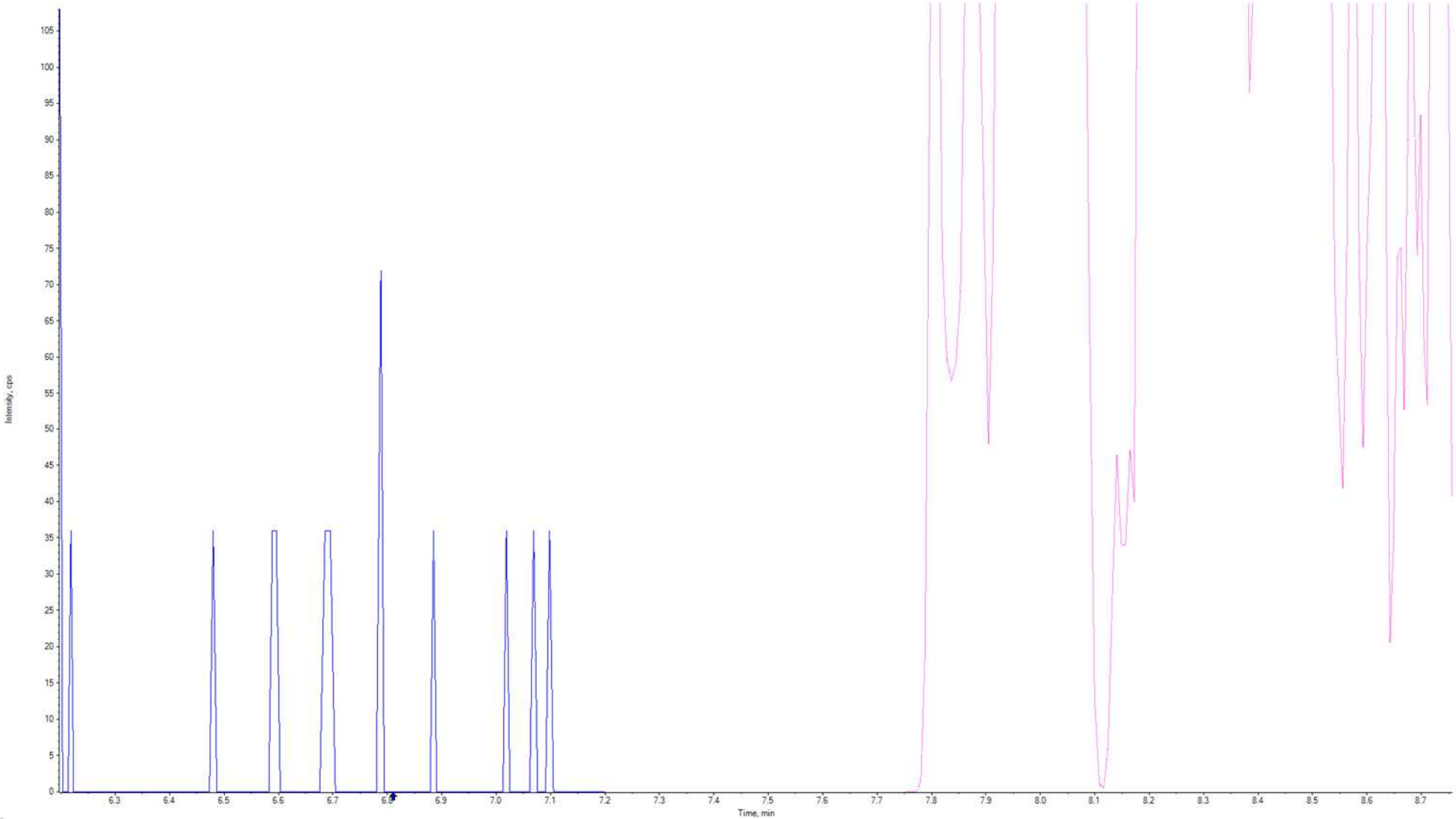

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TDCA_2
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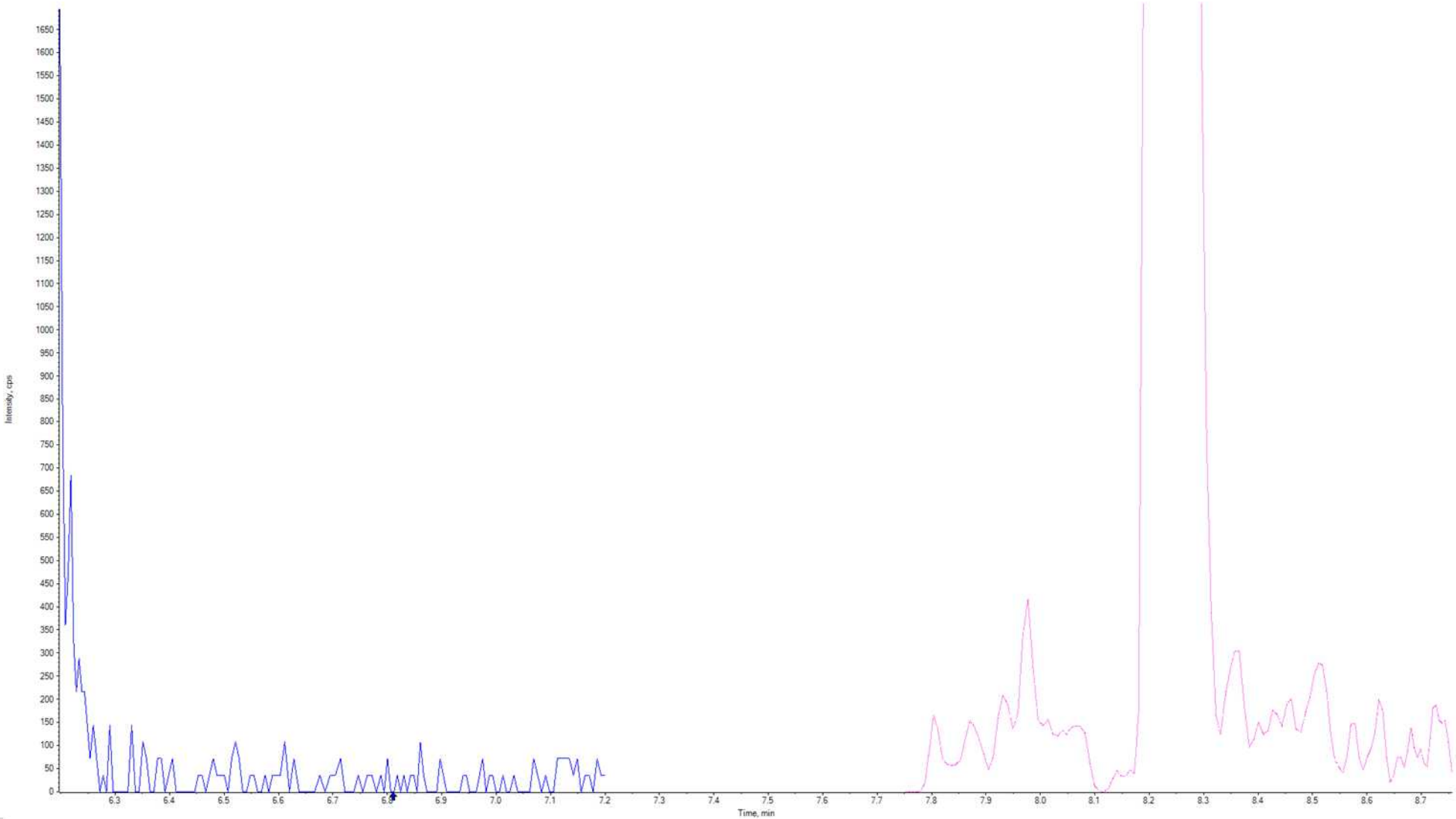

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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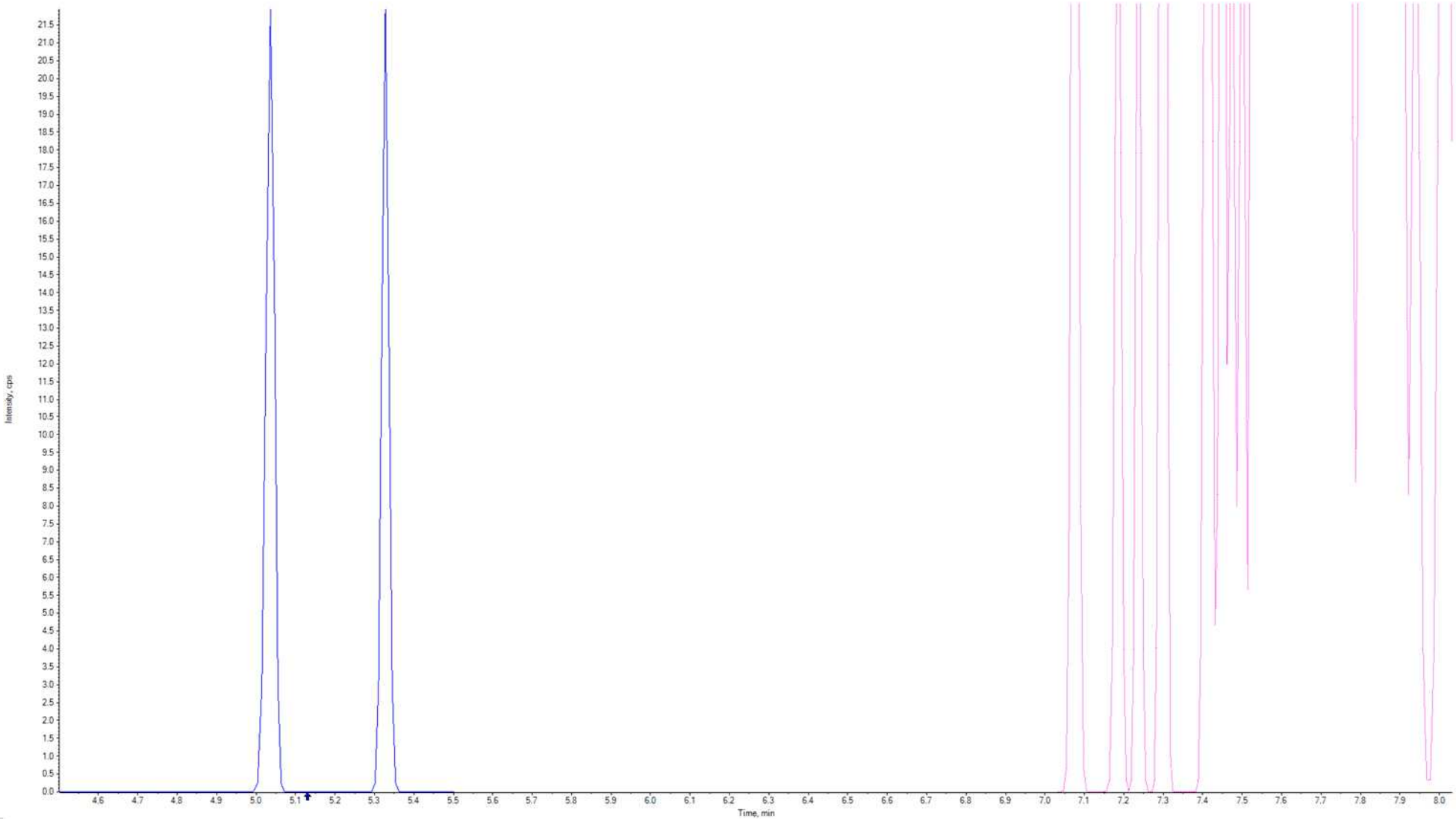
Generated: 9/18/2024 6:35:36 AM

13C2D4-4:2FTS
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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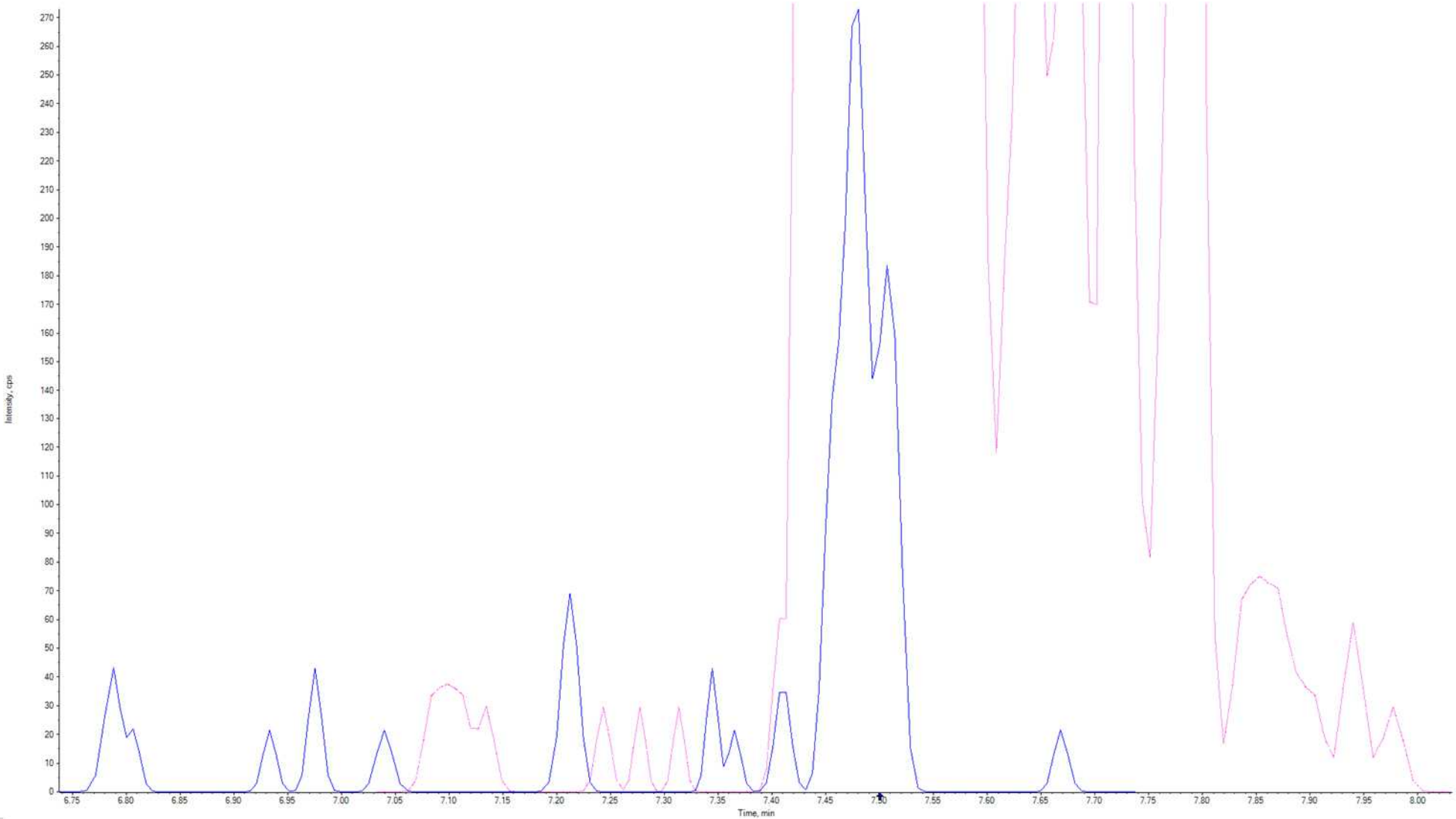
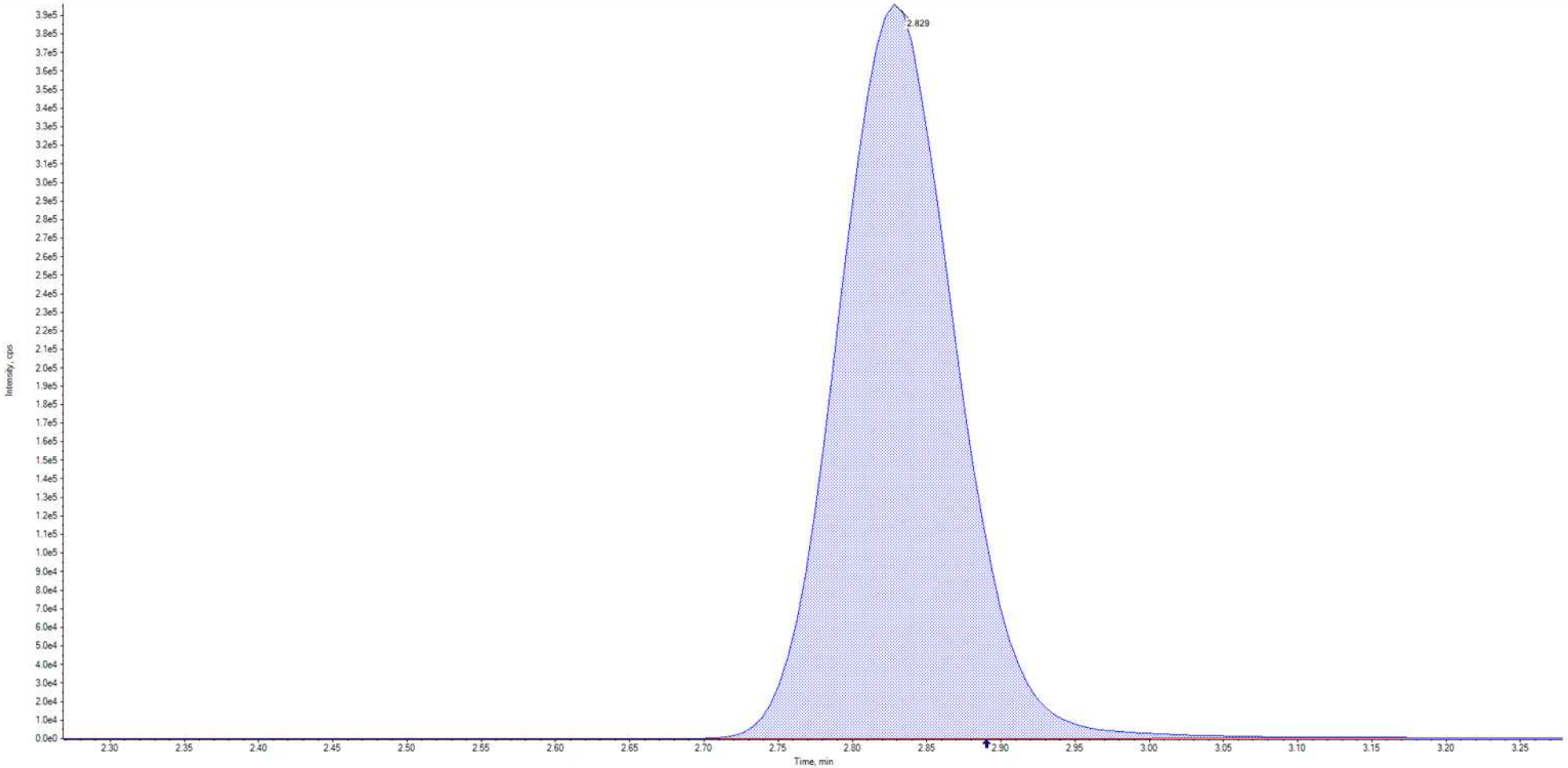
13C2-PFOA
Sample: L2447890-12 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: L2447890-12



13C5-PFPeA
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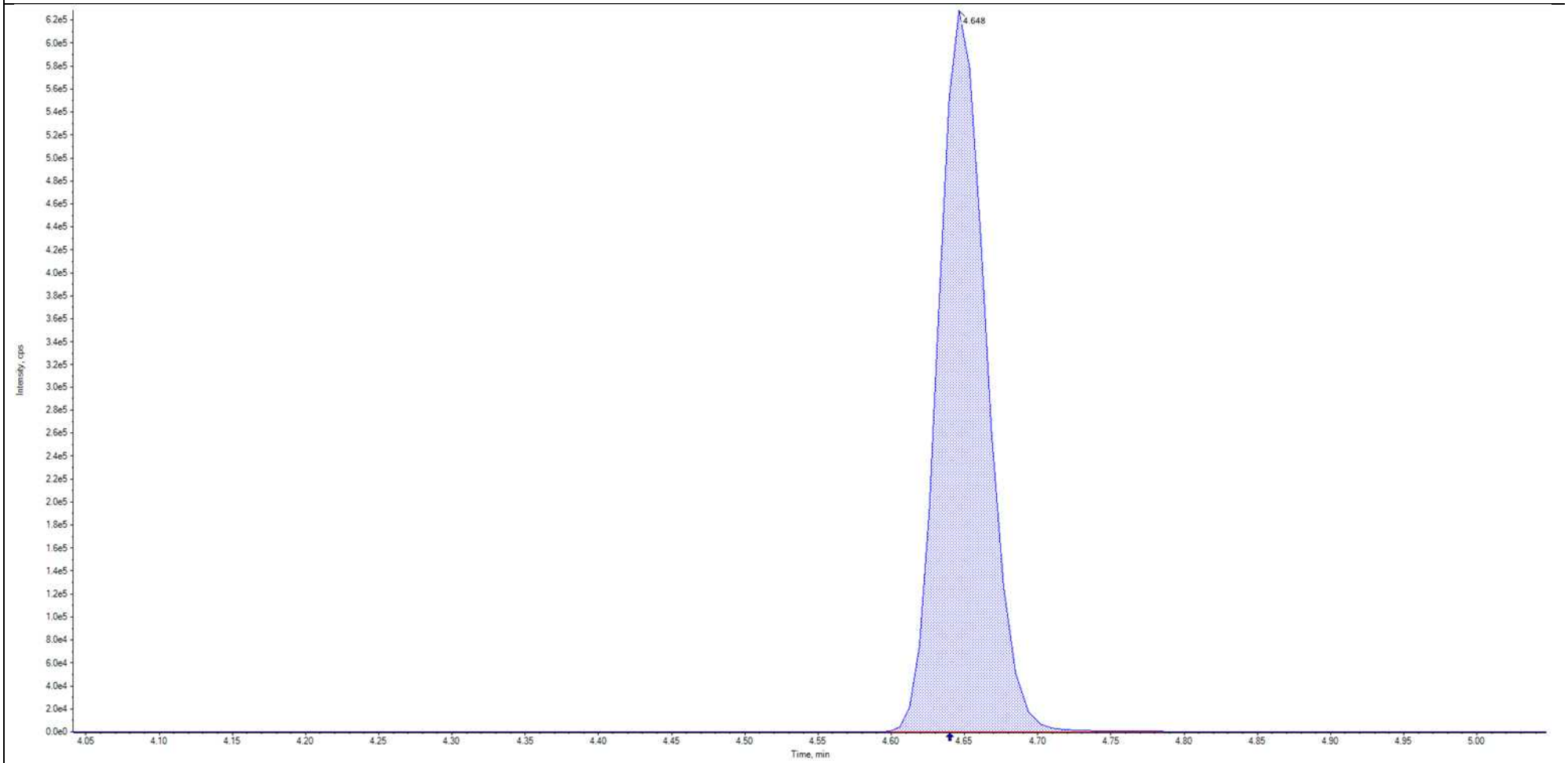

13C5-PFHxA
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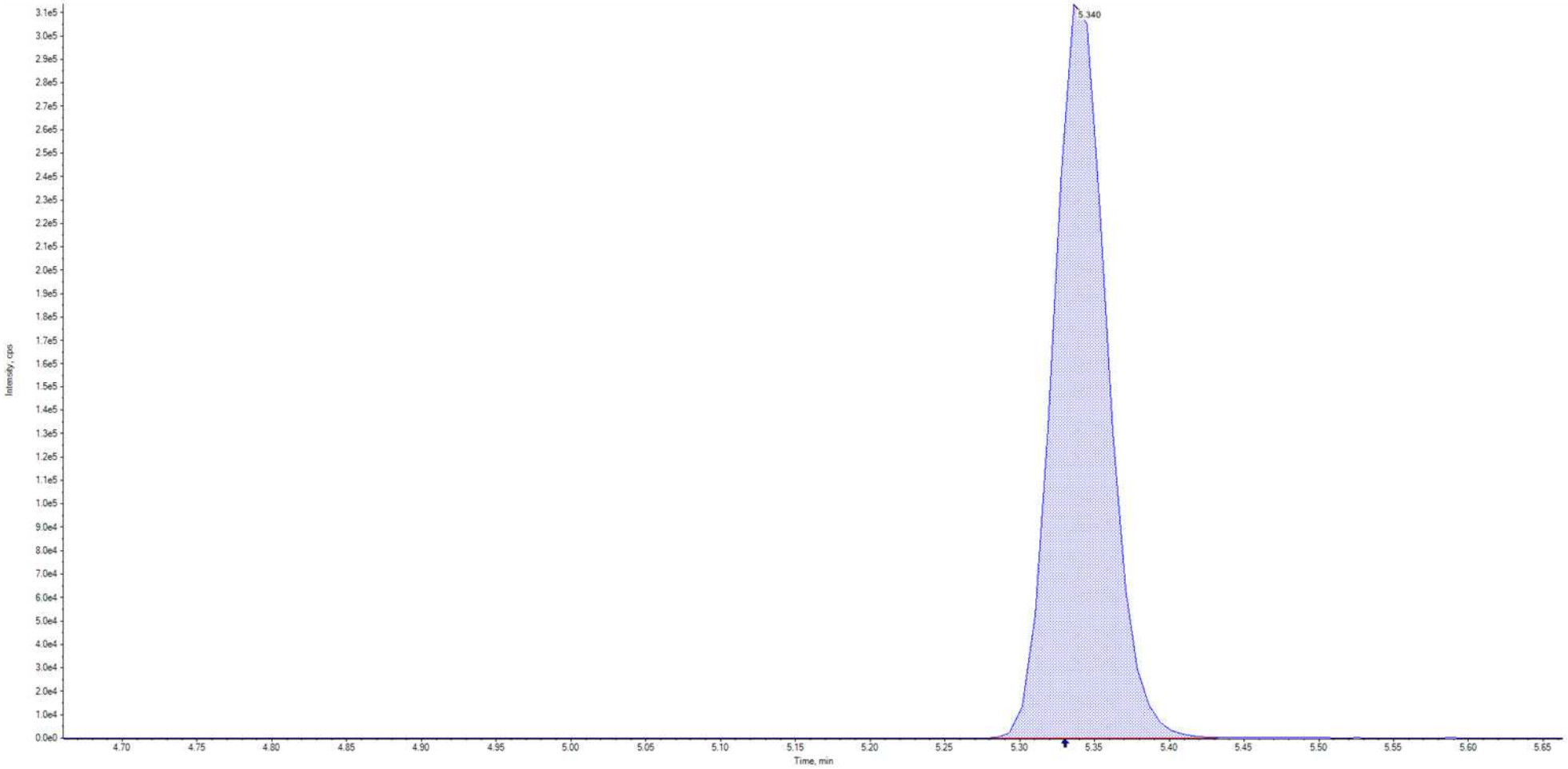

13C4-PFHpA
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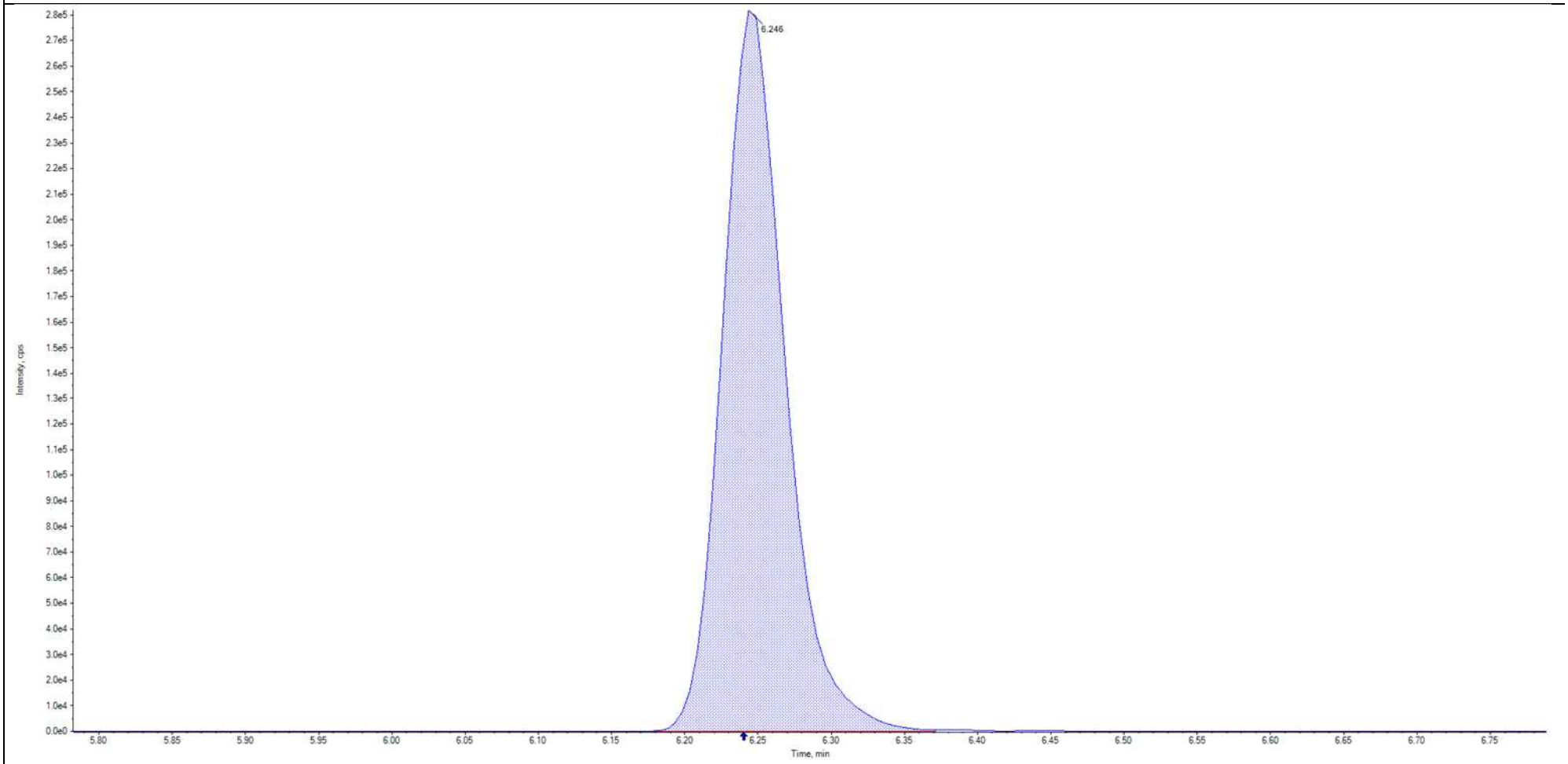

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C8-PFOA
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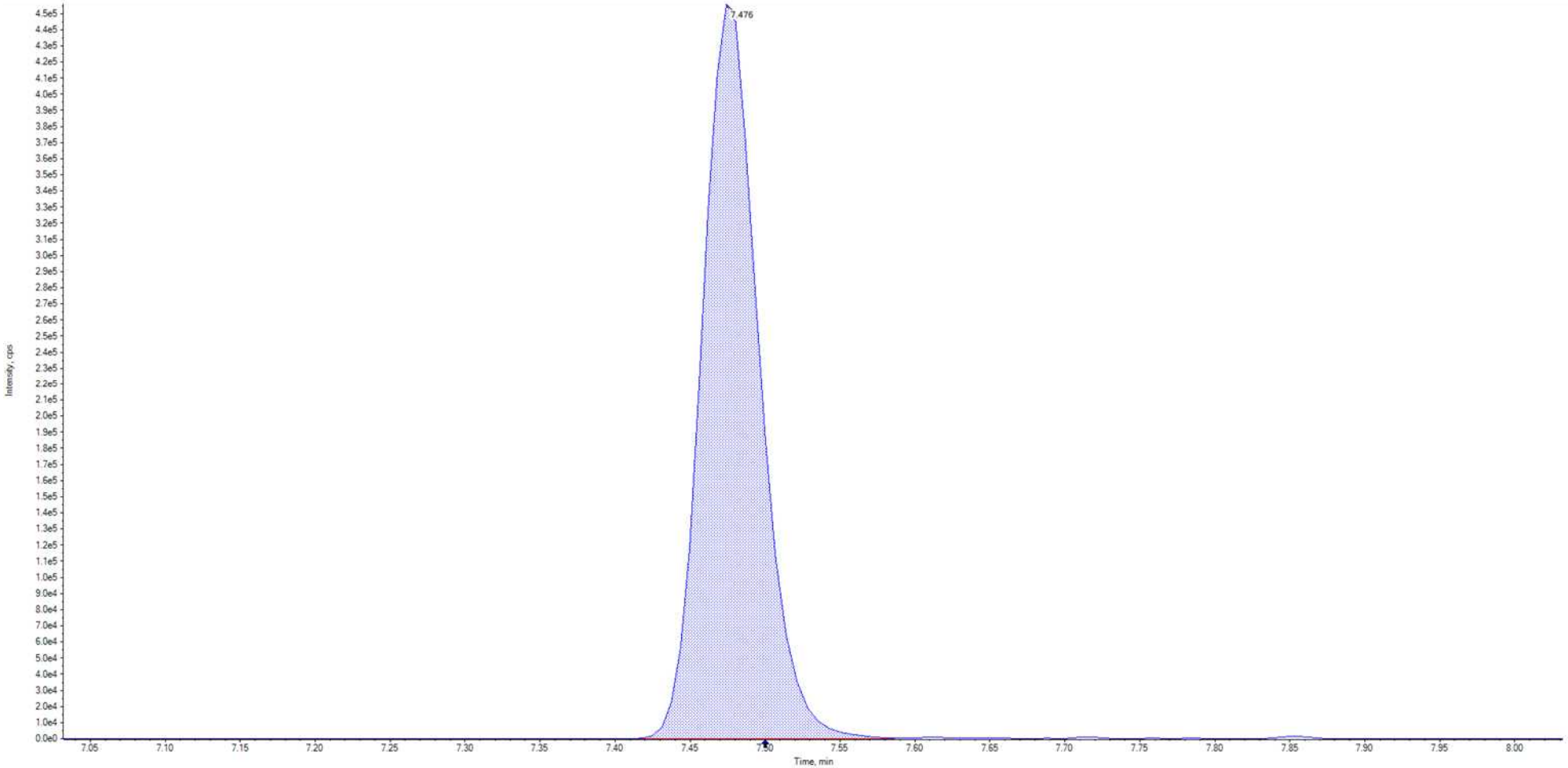

13C9-PFNA
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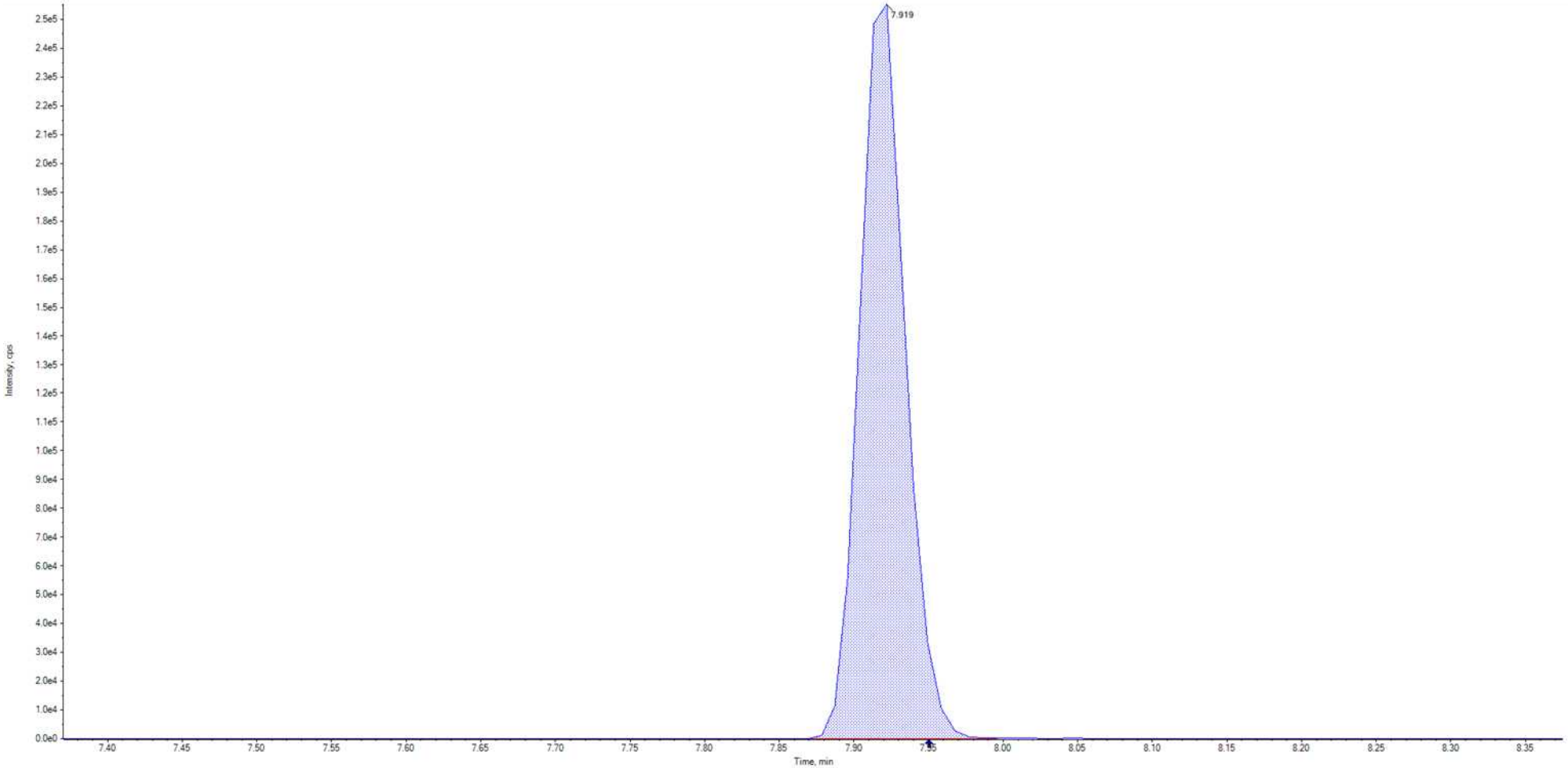

13C6-PFDA
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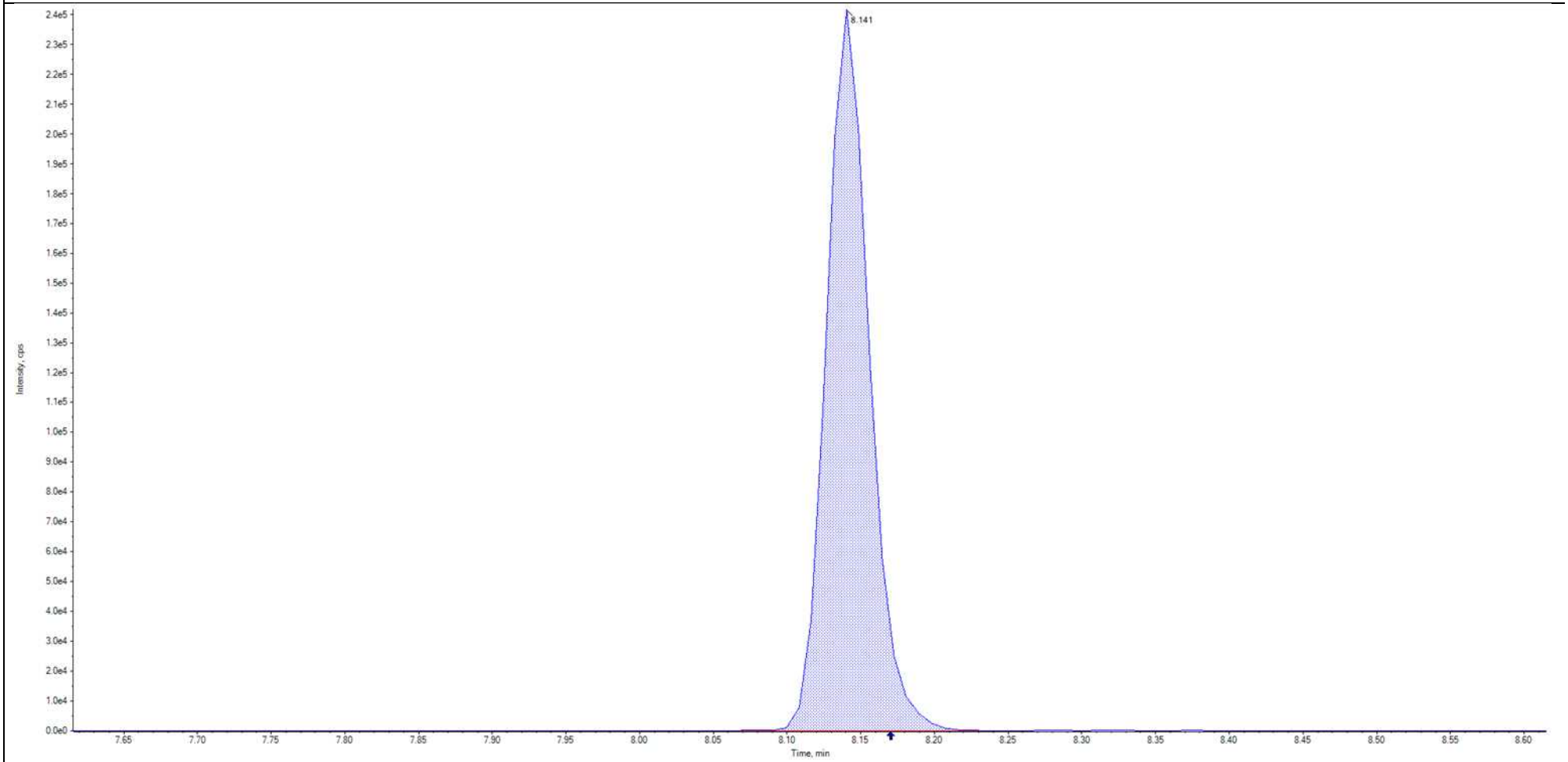

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C7-PFUnA
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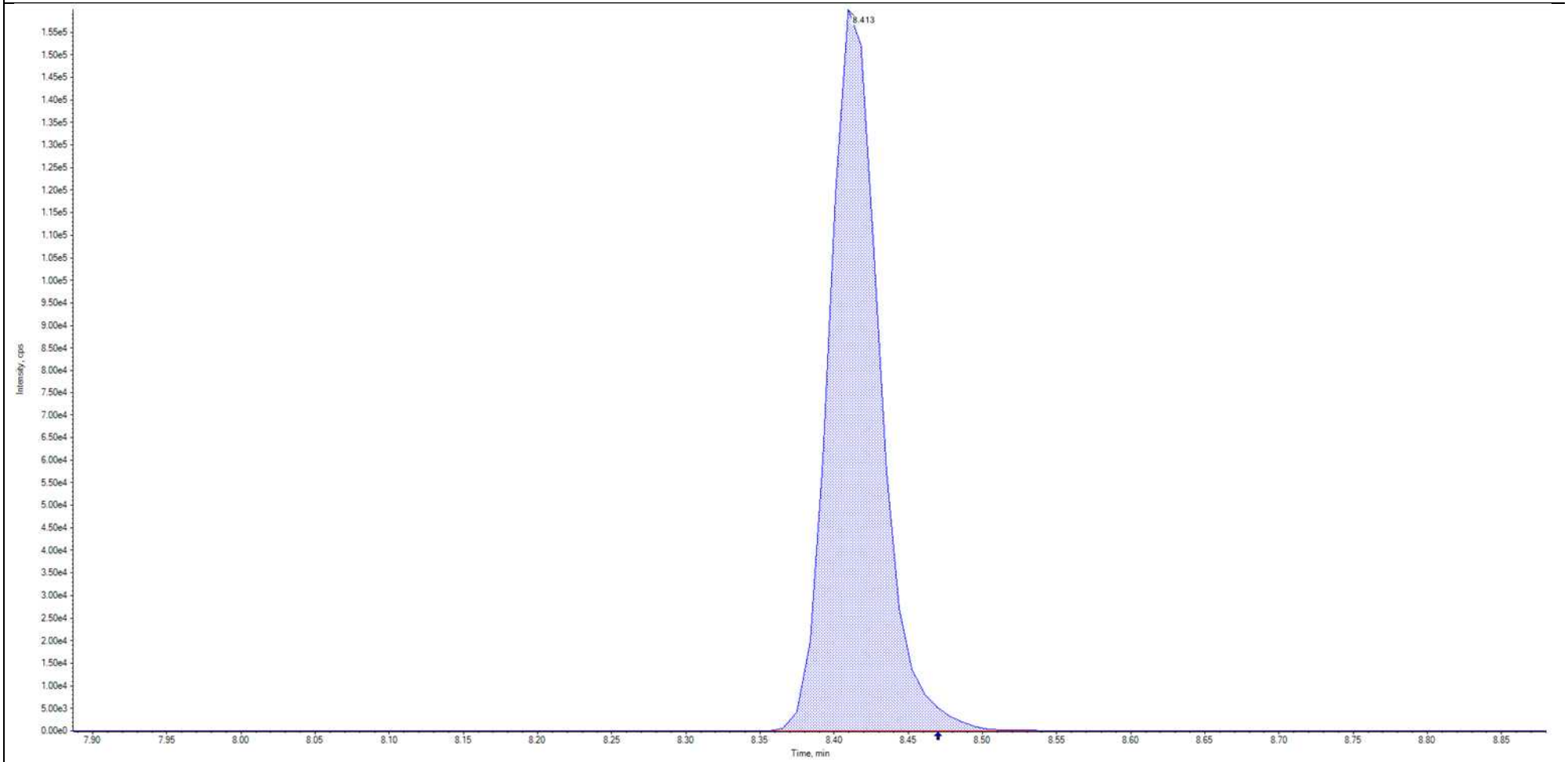
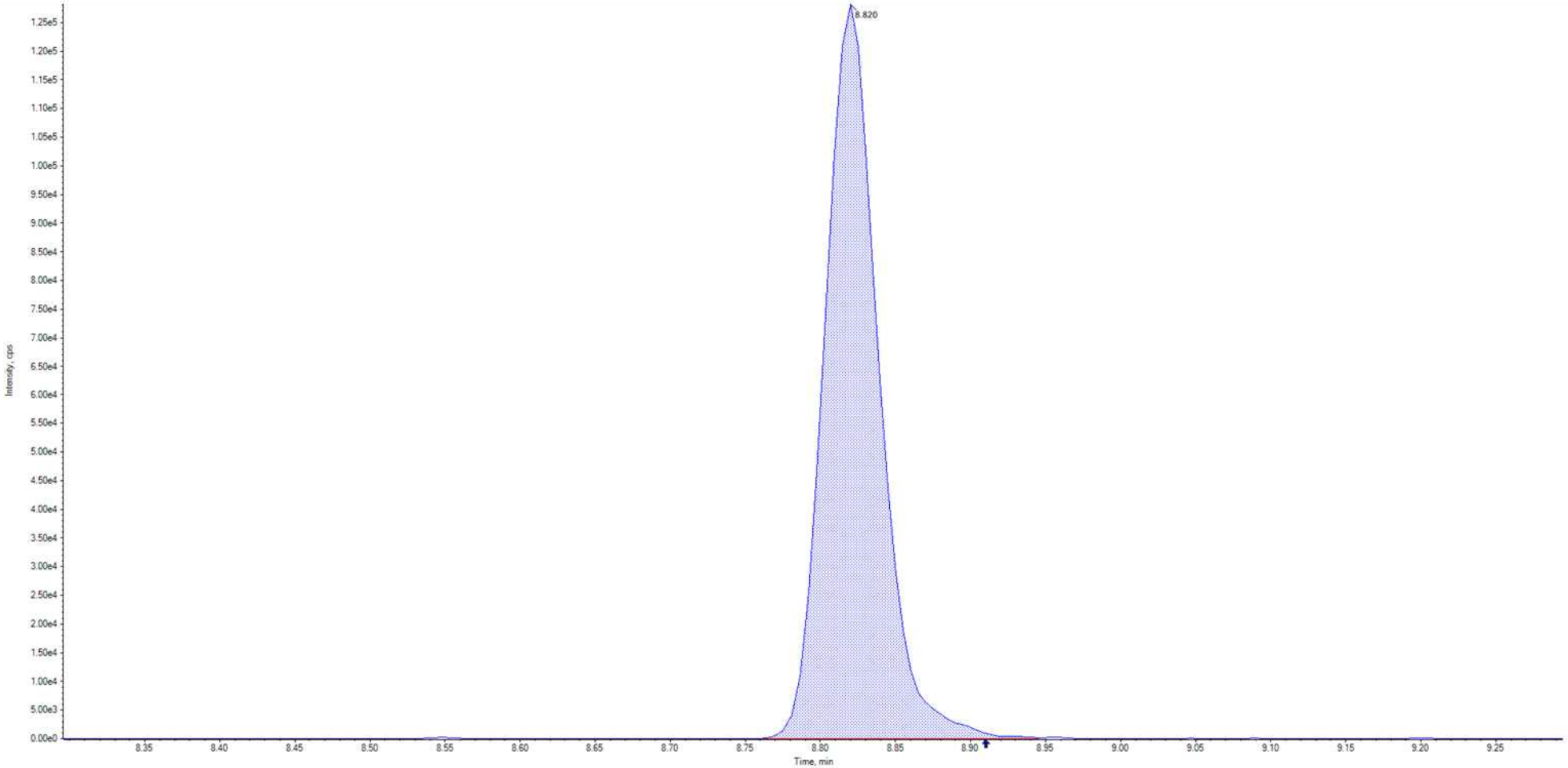


13C2-PFDoA
Sample: L2447890-12



13C2-PFTeDA
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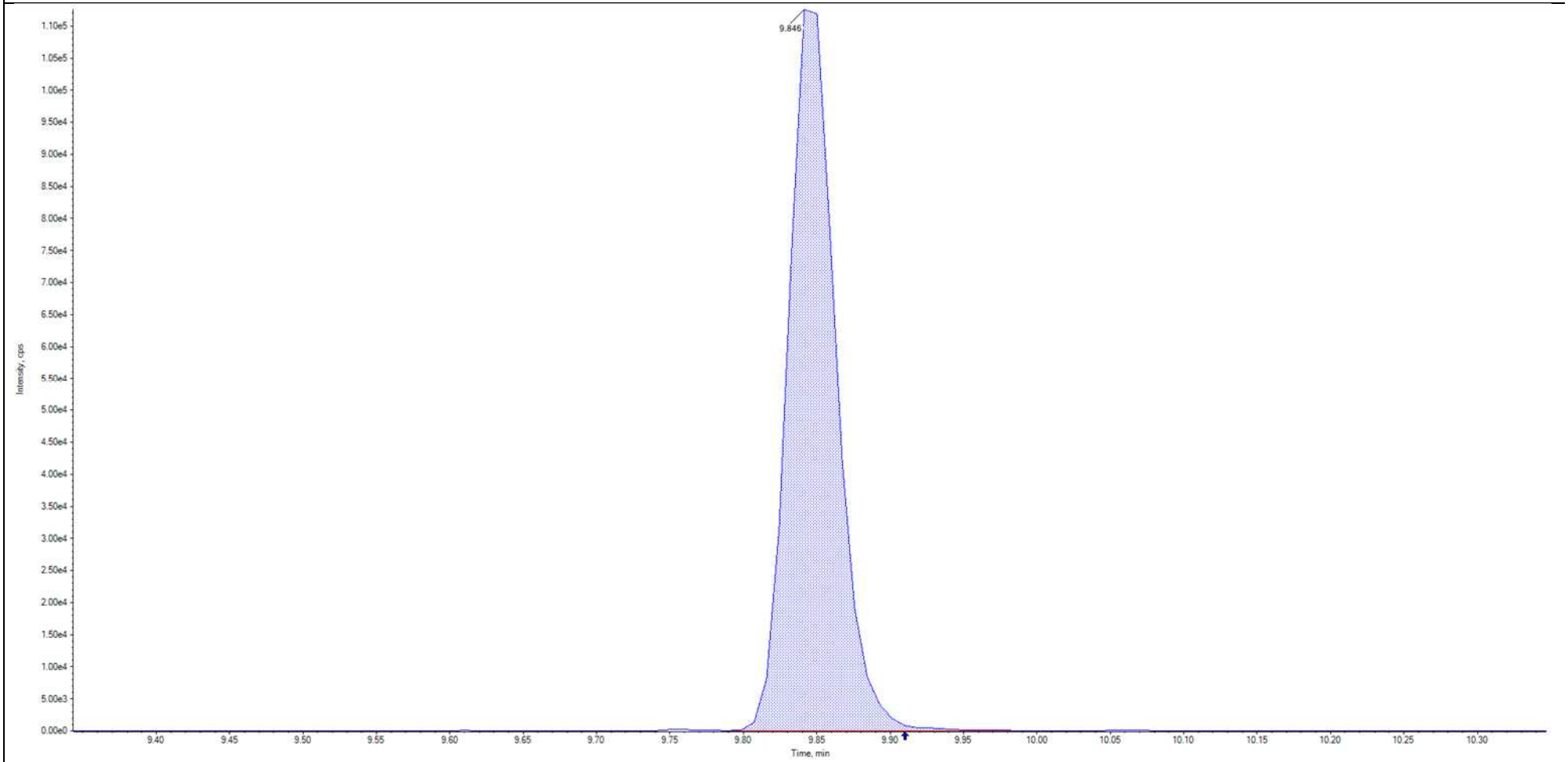
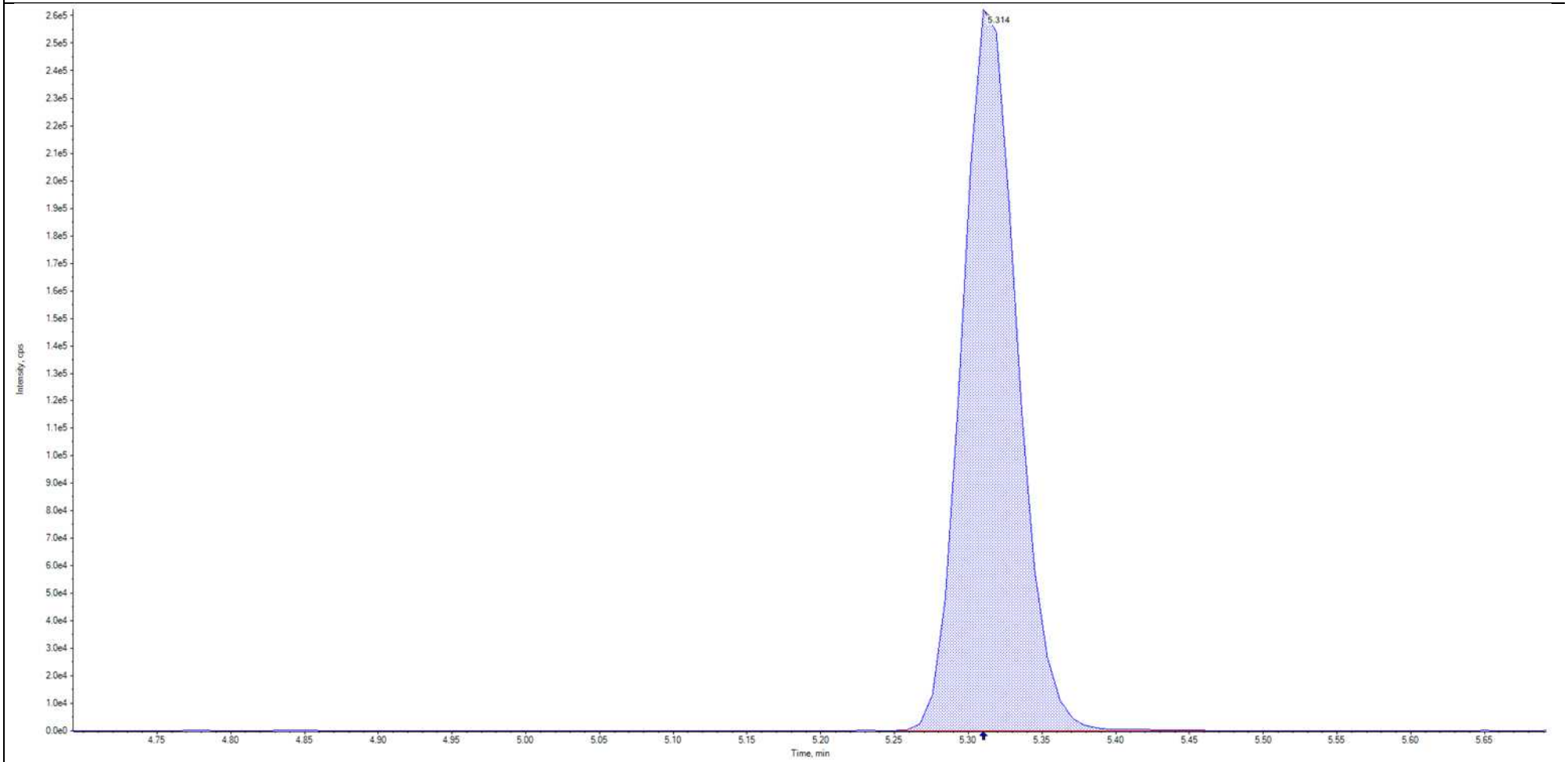


13C3-PFBS
Sample: L2447890-12



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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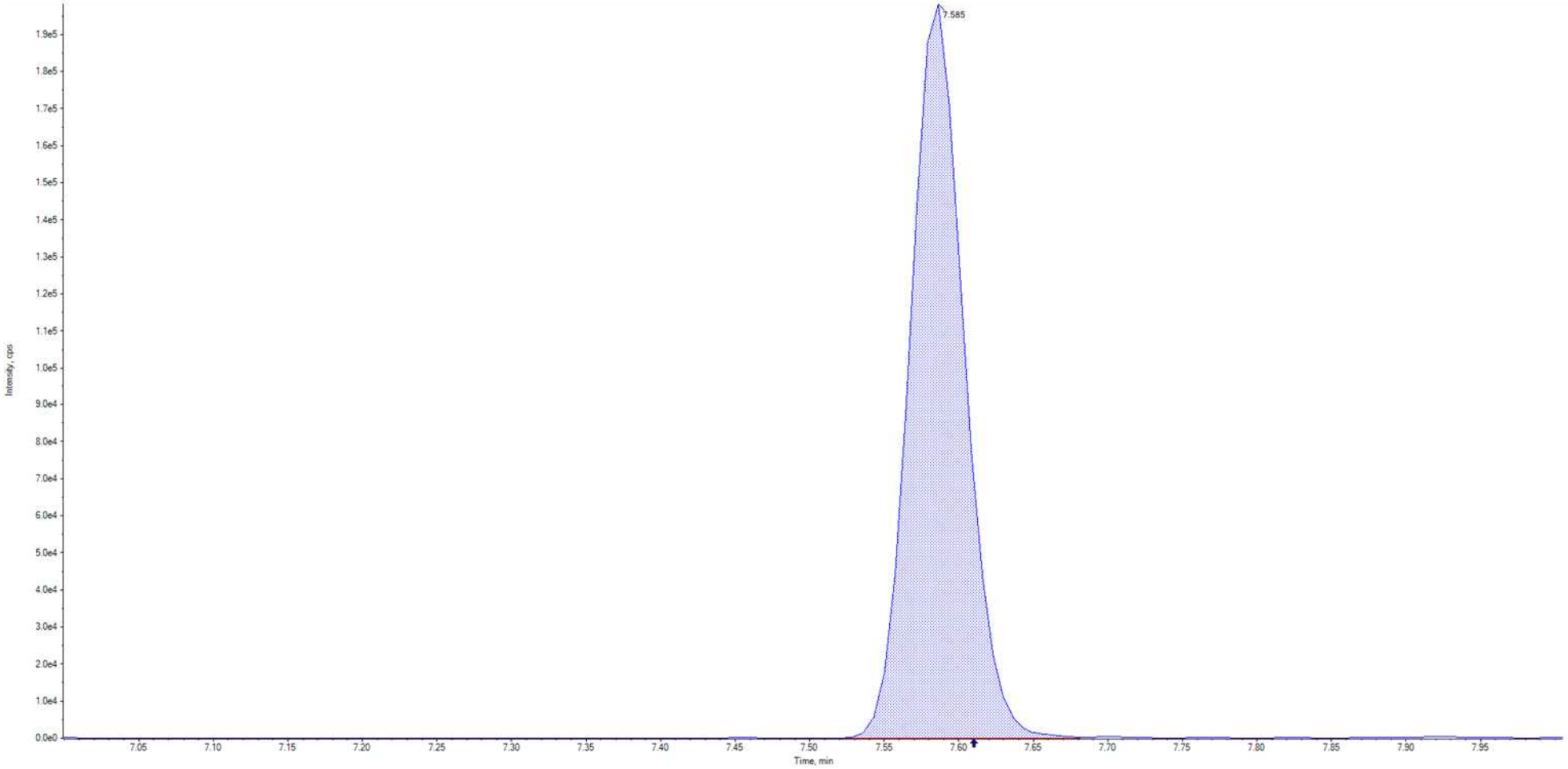
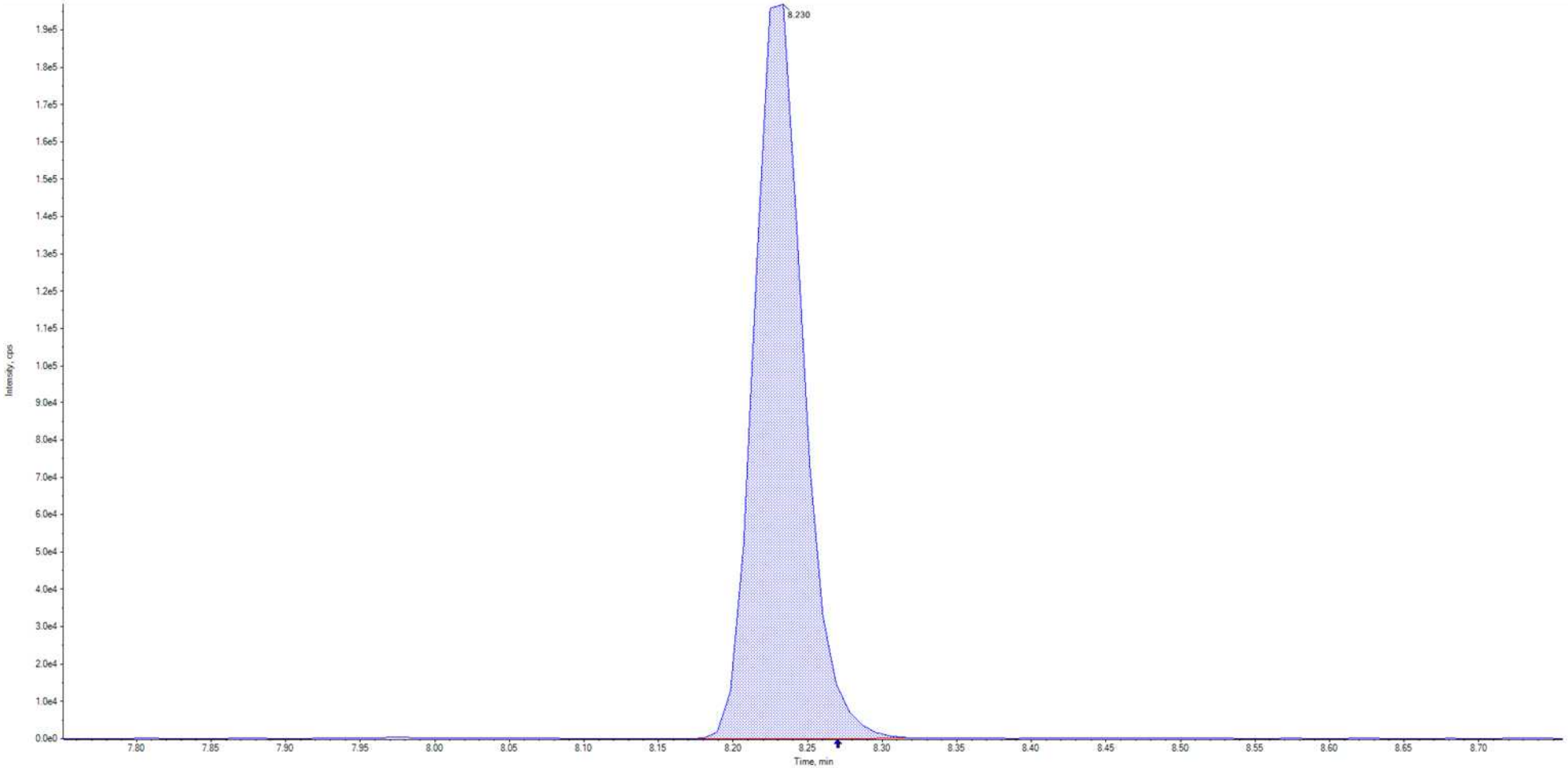
13C3-PFHxS
Sample: L2447890-12



13C8-PFOS
Sample: L2447890-12



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C2-4:2FTS
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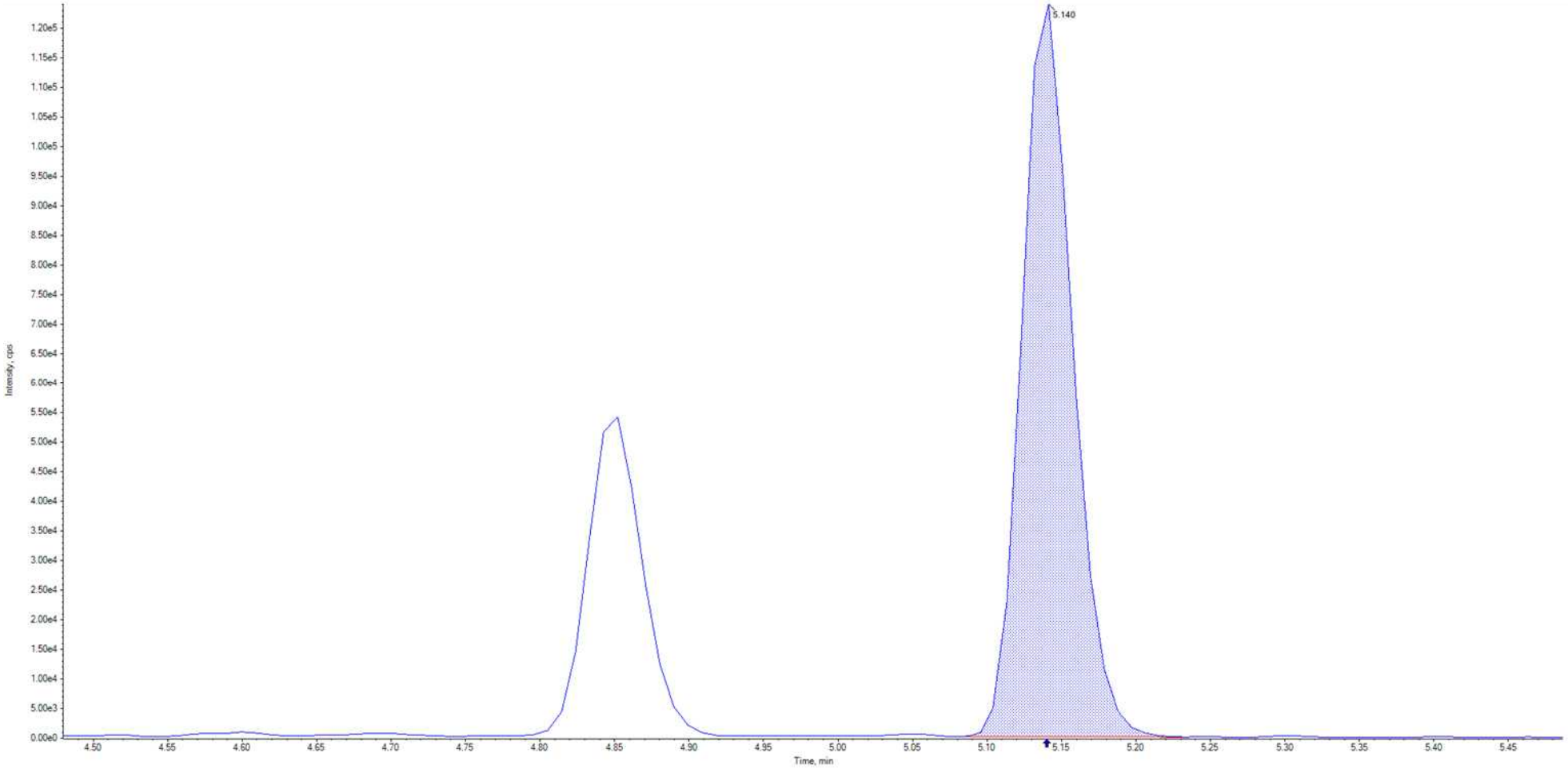

13C2-6:2FTS
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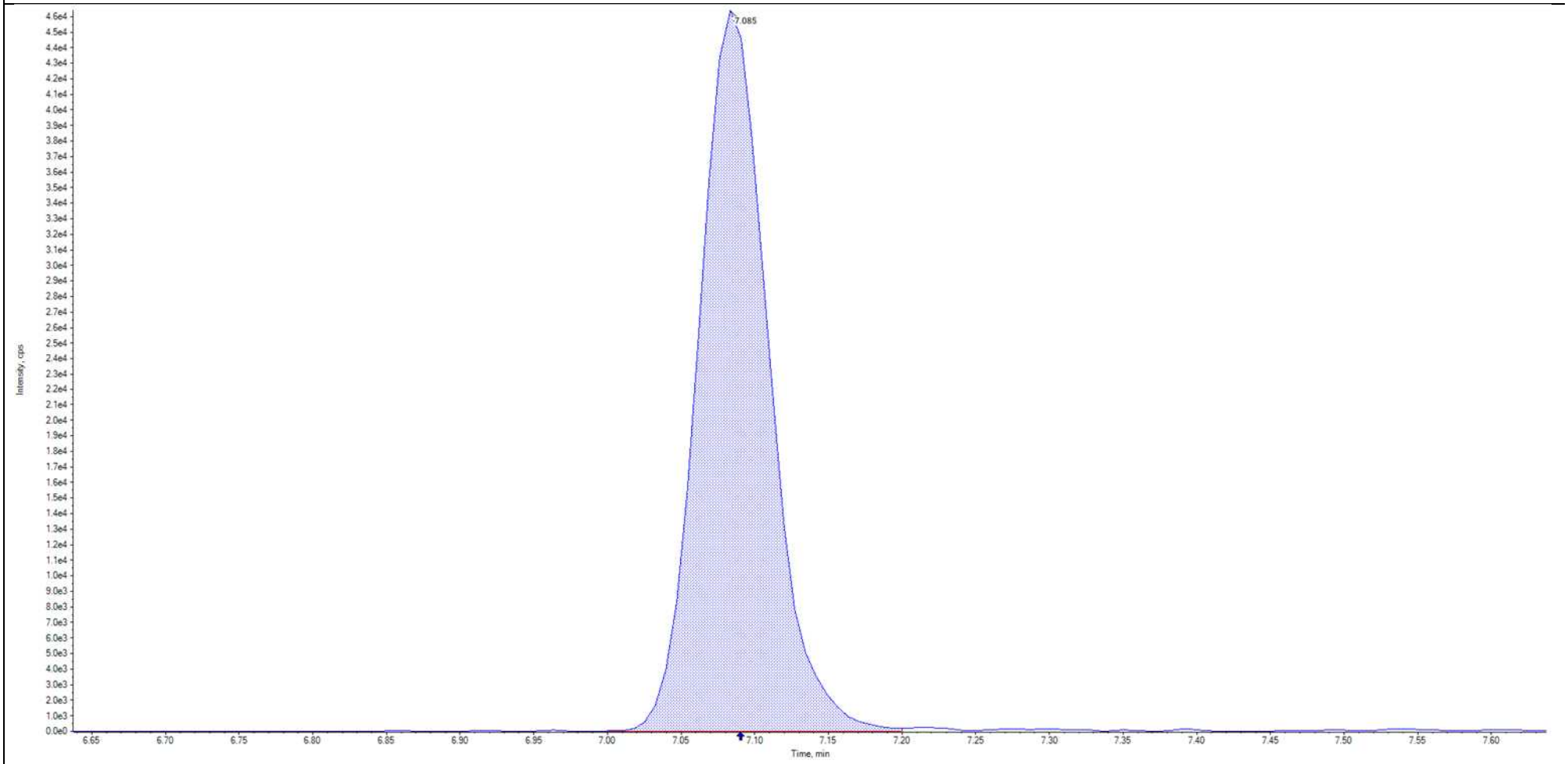

13C2-8:2FTS
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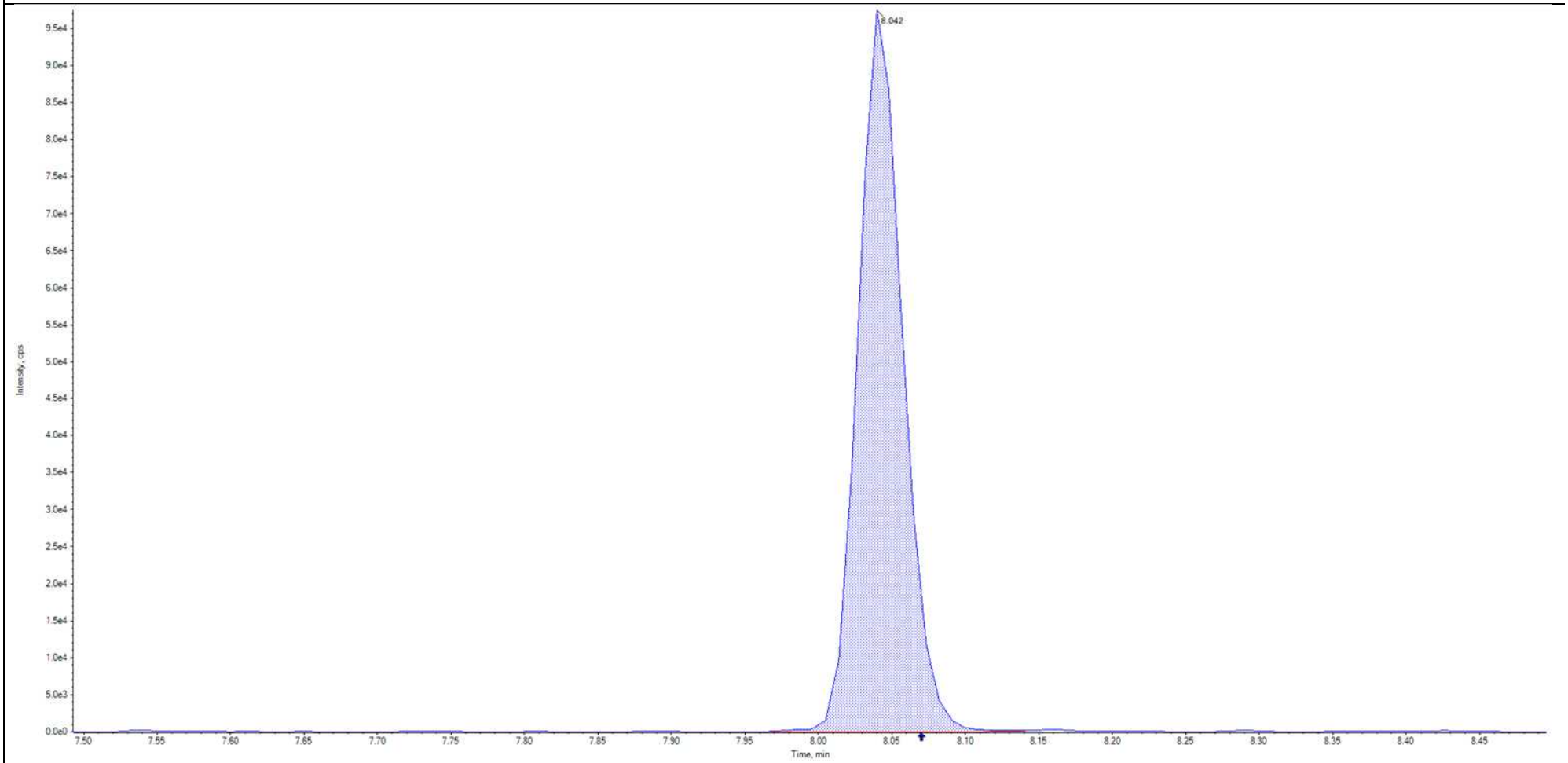

13C8-PFOSA
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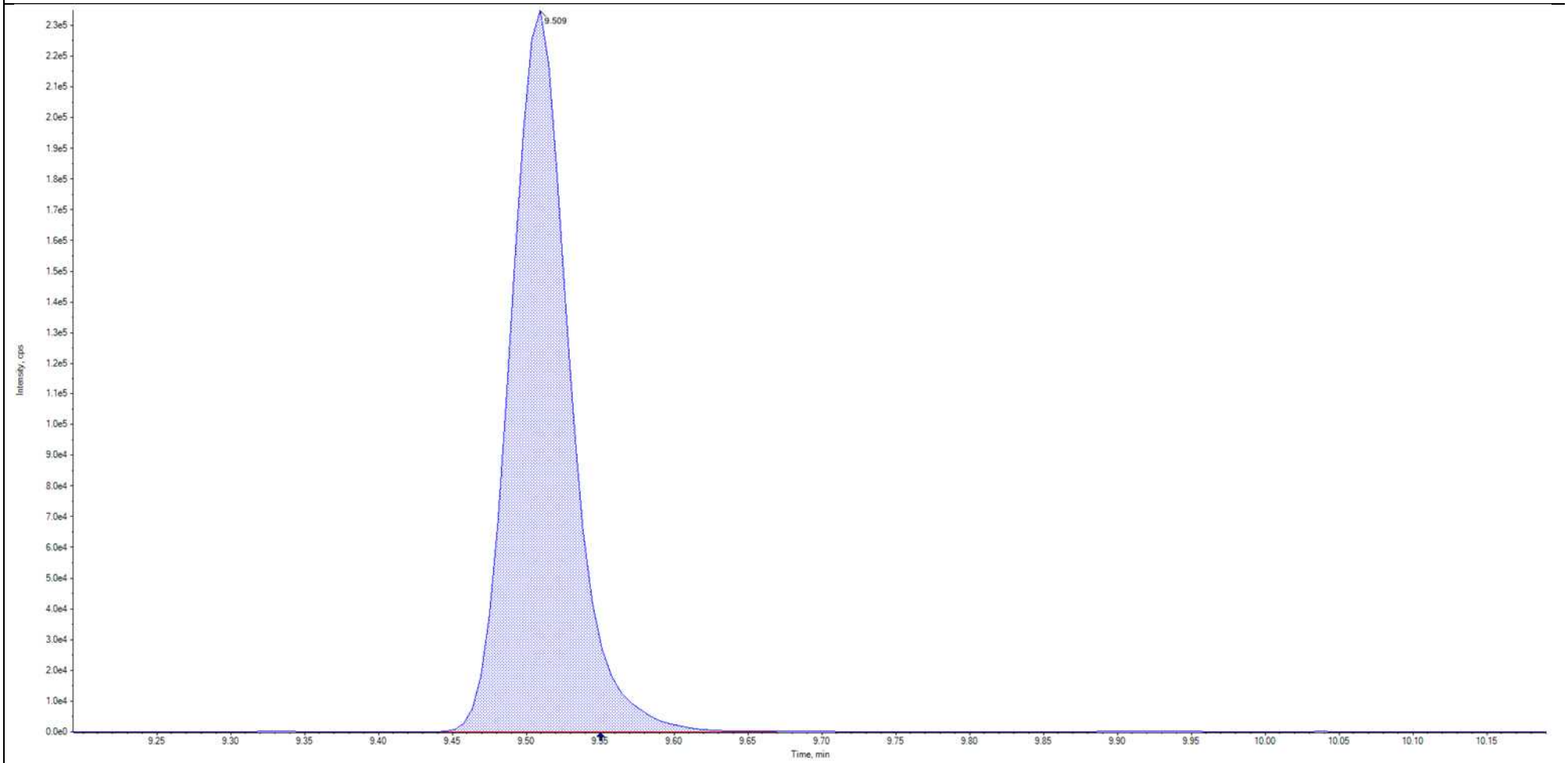

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d3-NMeFOSA
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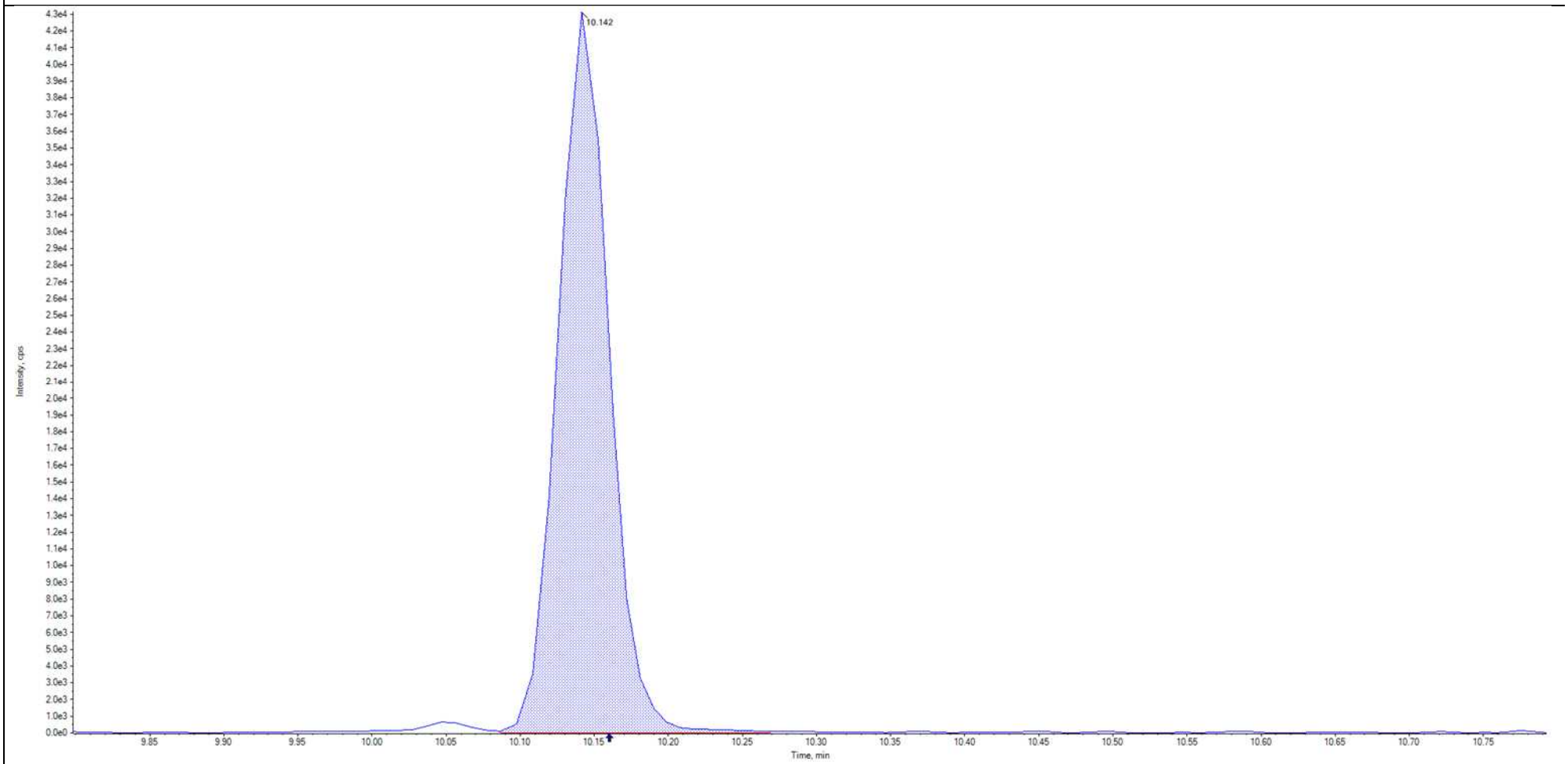
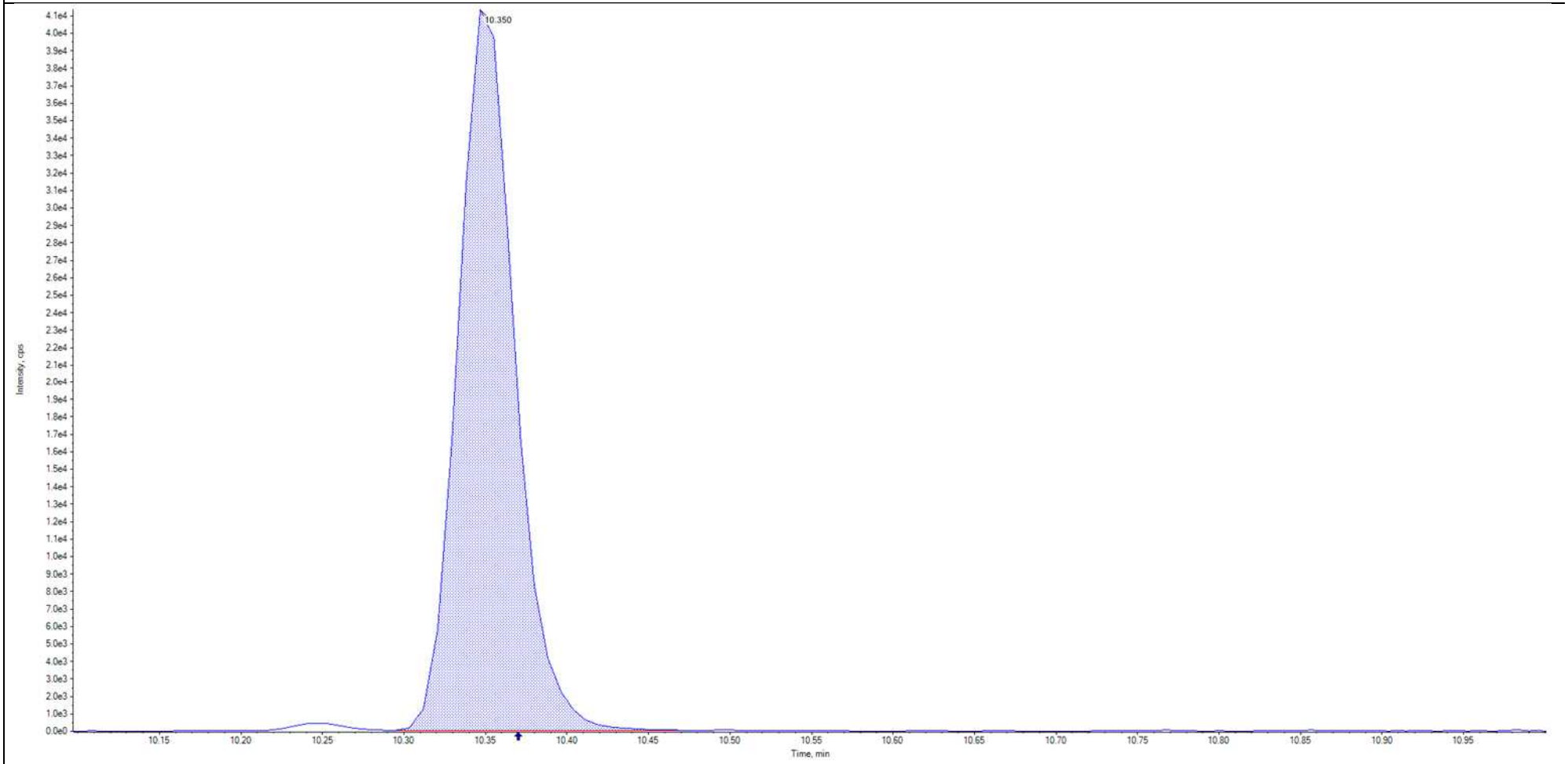
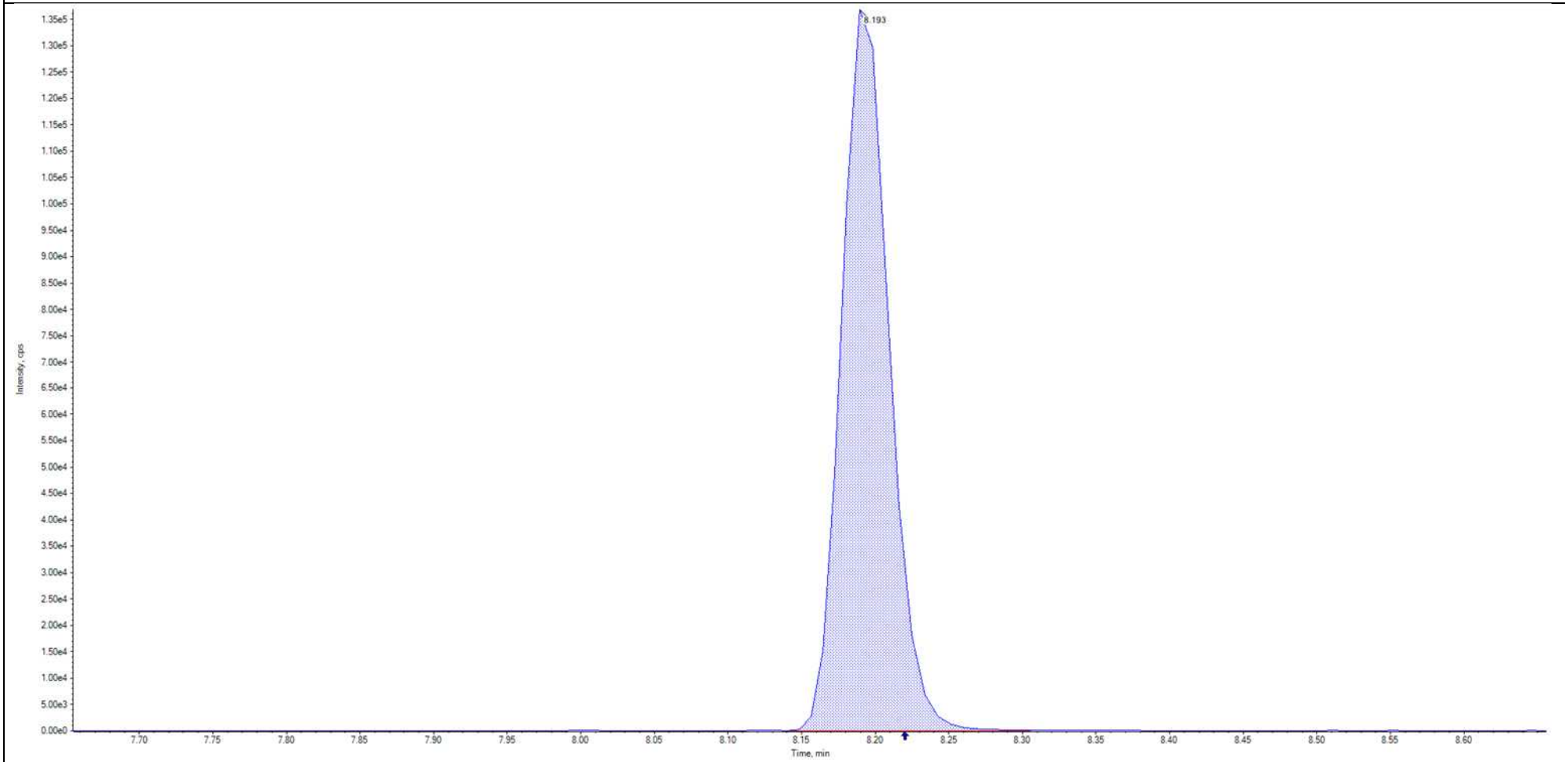


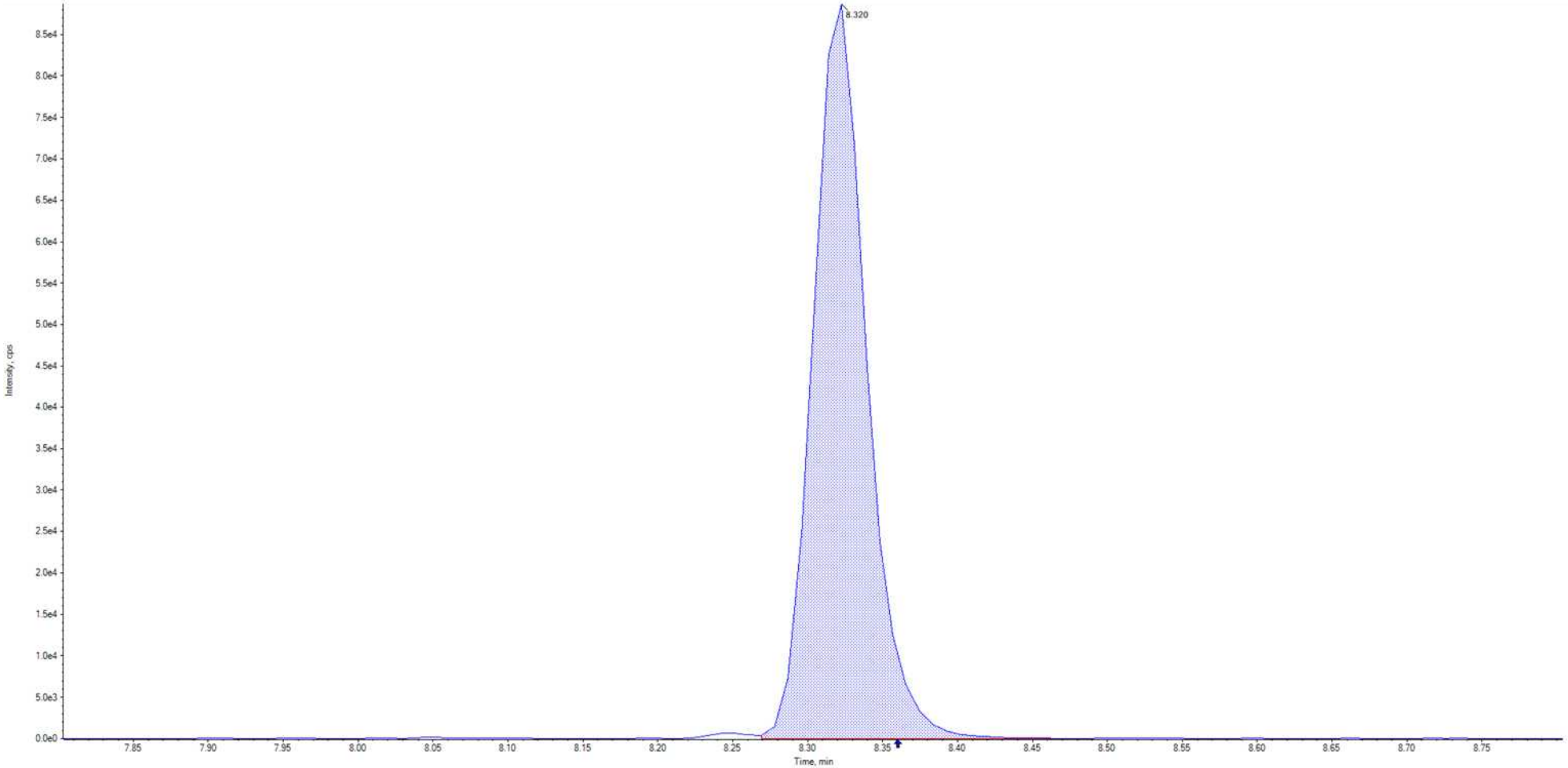
d5-NEtFOSA
Sample: L2447890-12



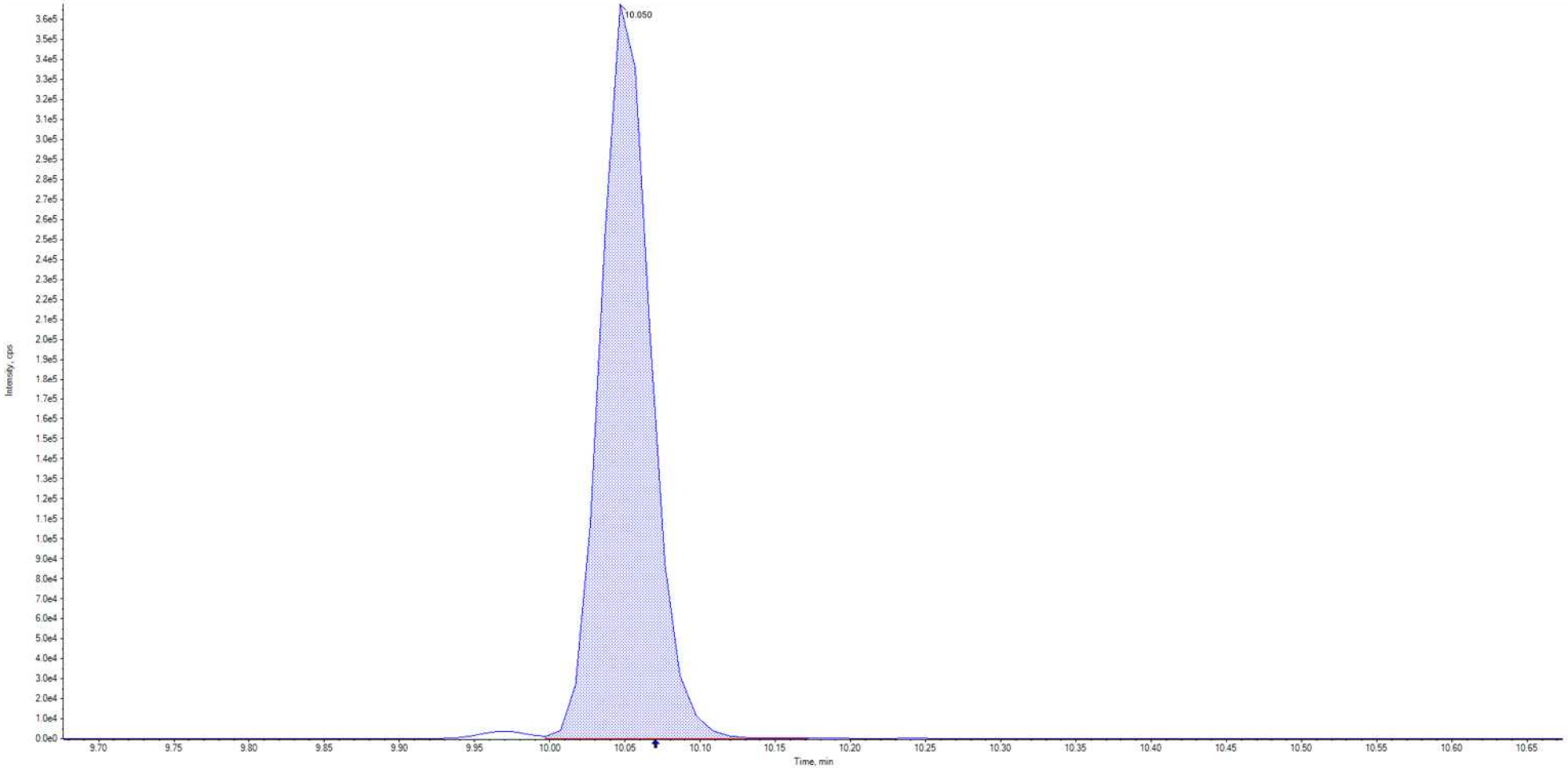
d3-NMeFOSAA
Sample: L2447890-12



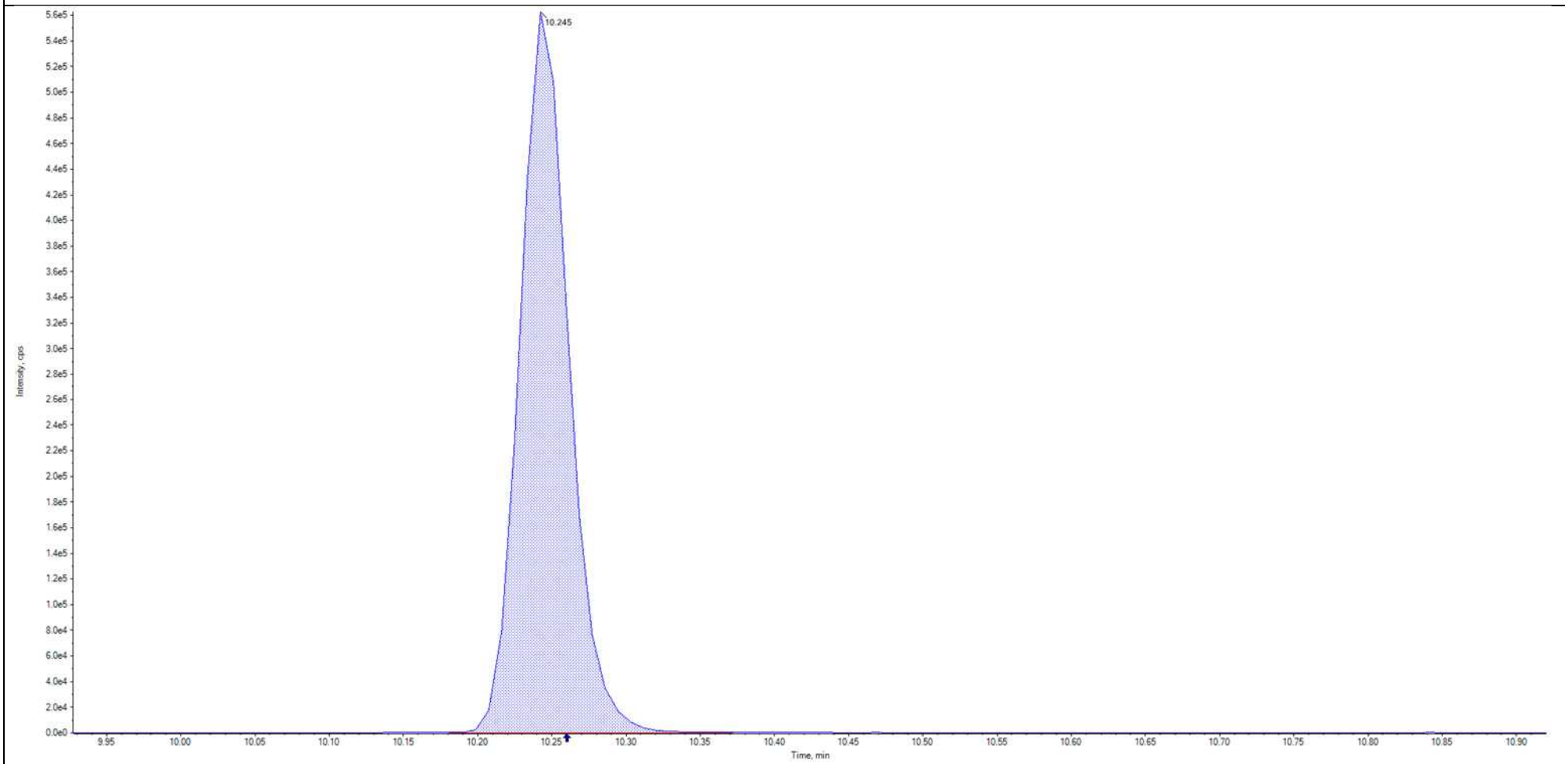
d5-NEtFOSAA
Sample: L2447890-12



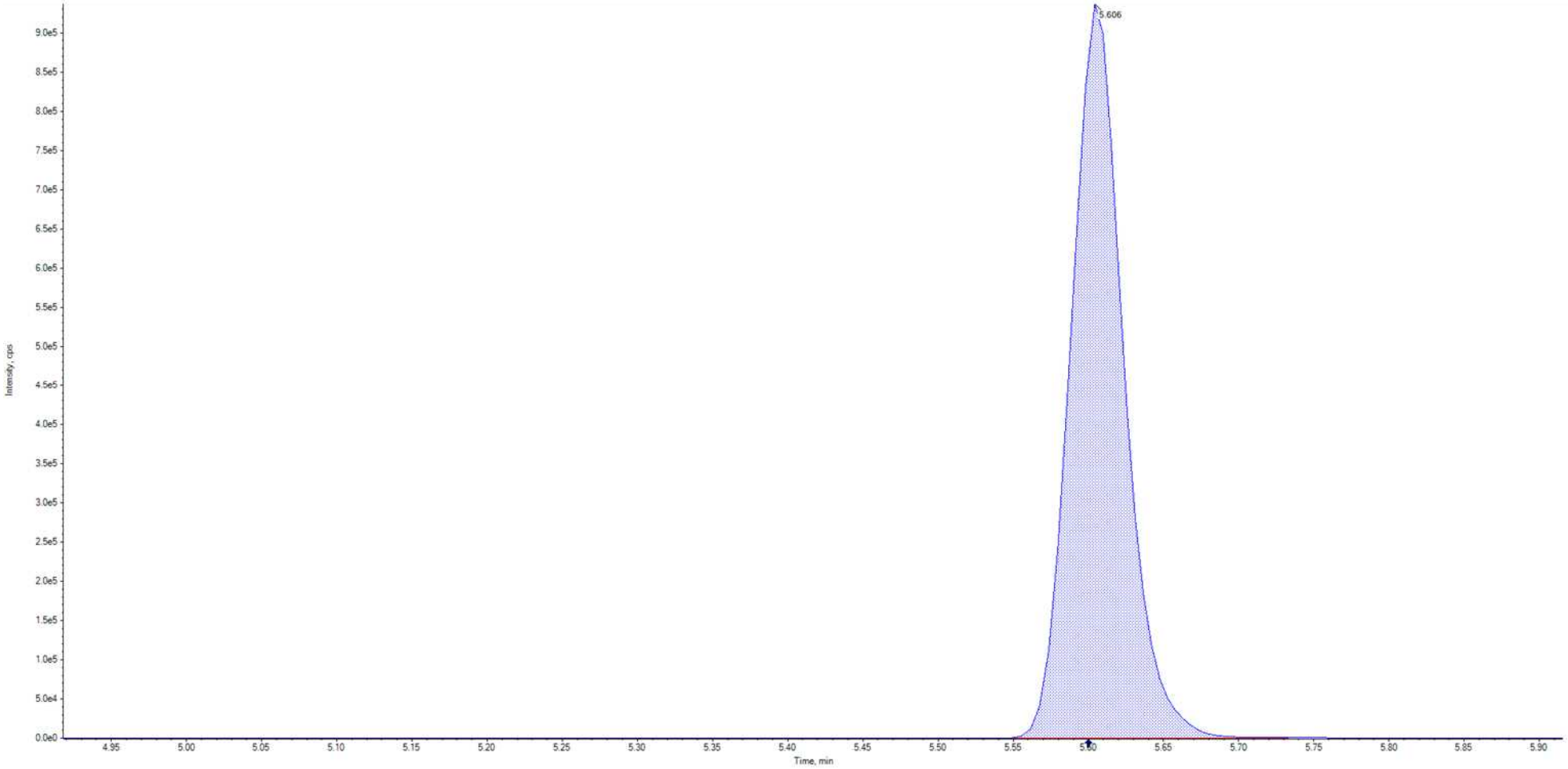
d7-NMeFOSE
Sample: L2447890-12



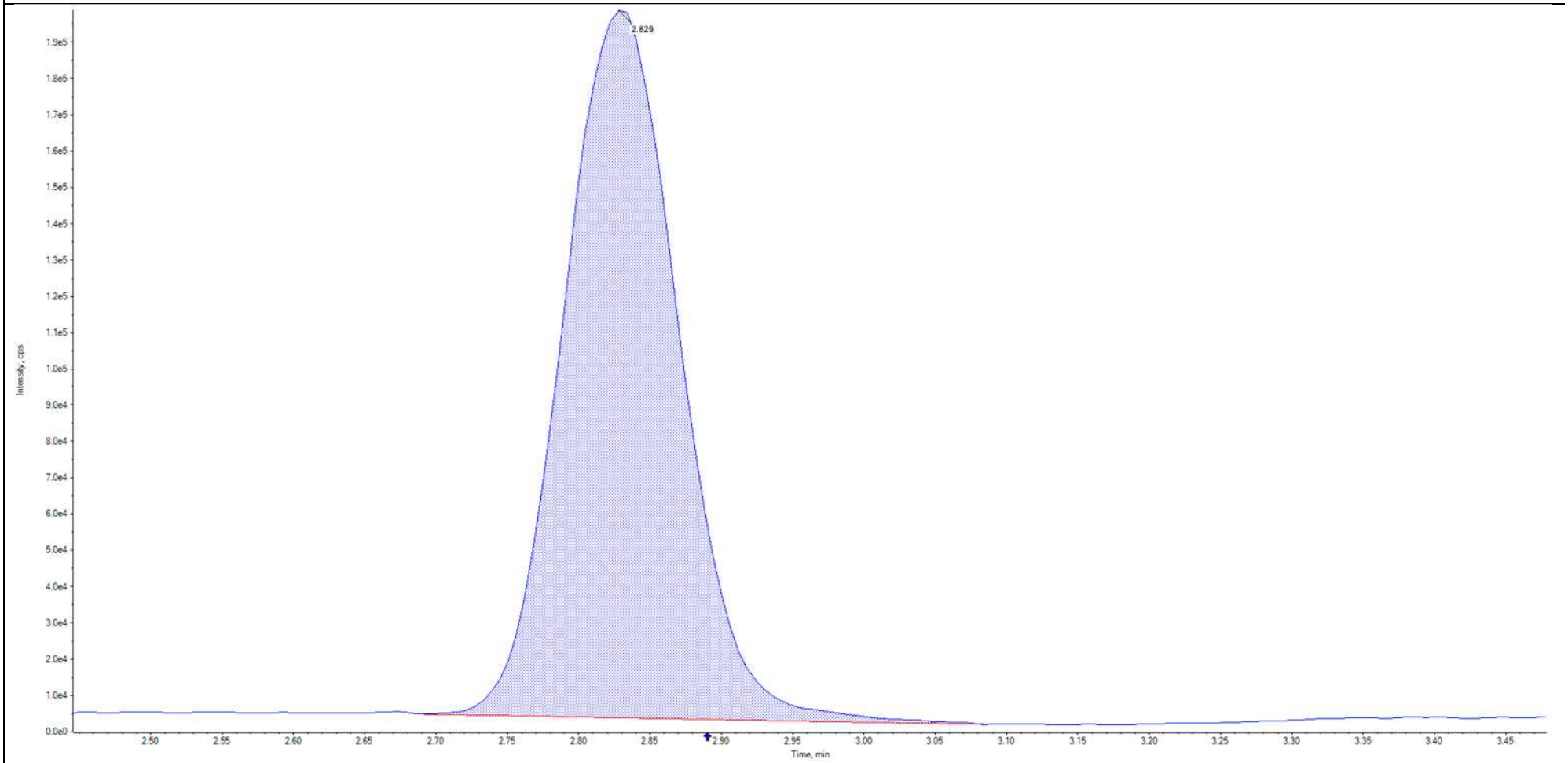
d9-NEtFOSE
Sample: L2447890-12



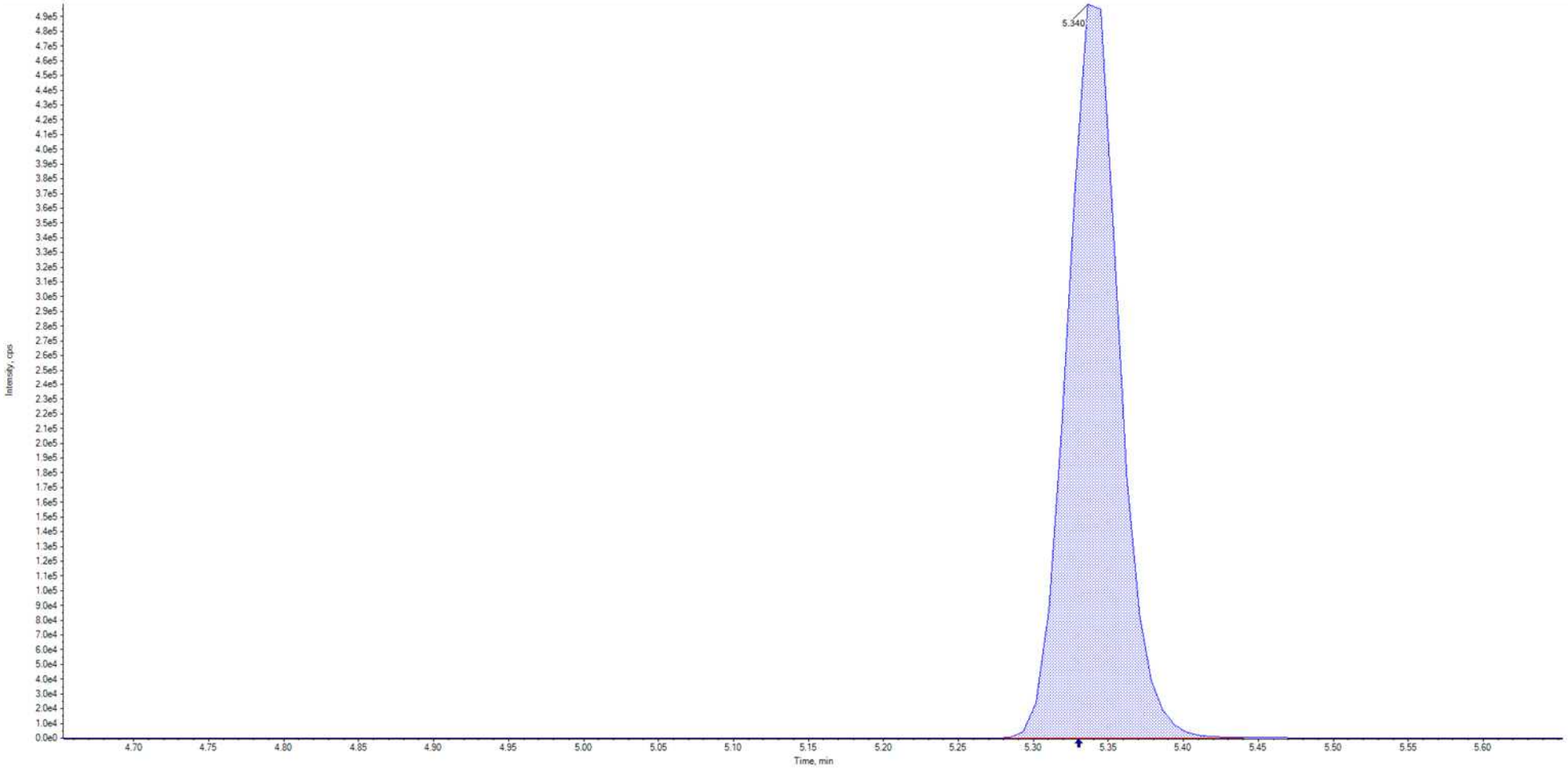
13C3-HFPO-DA
Sample: L2447890-12



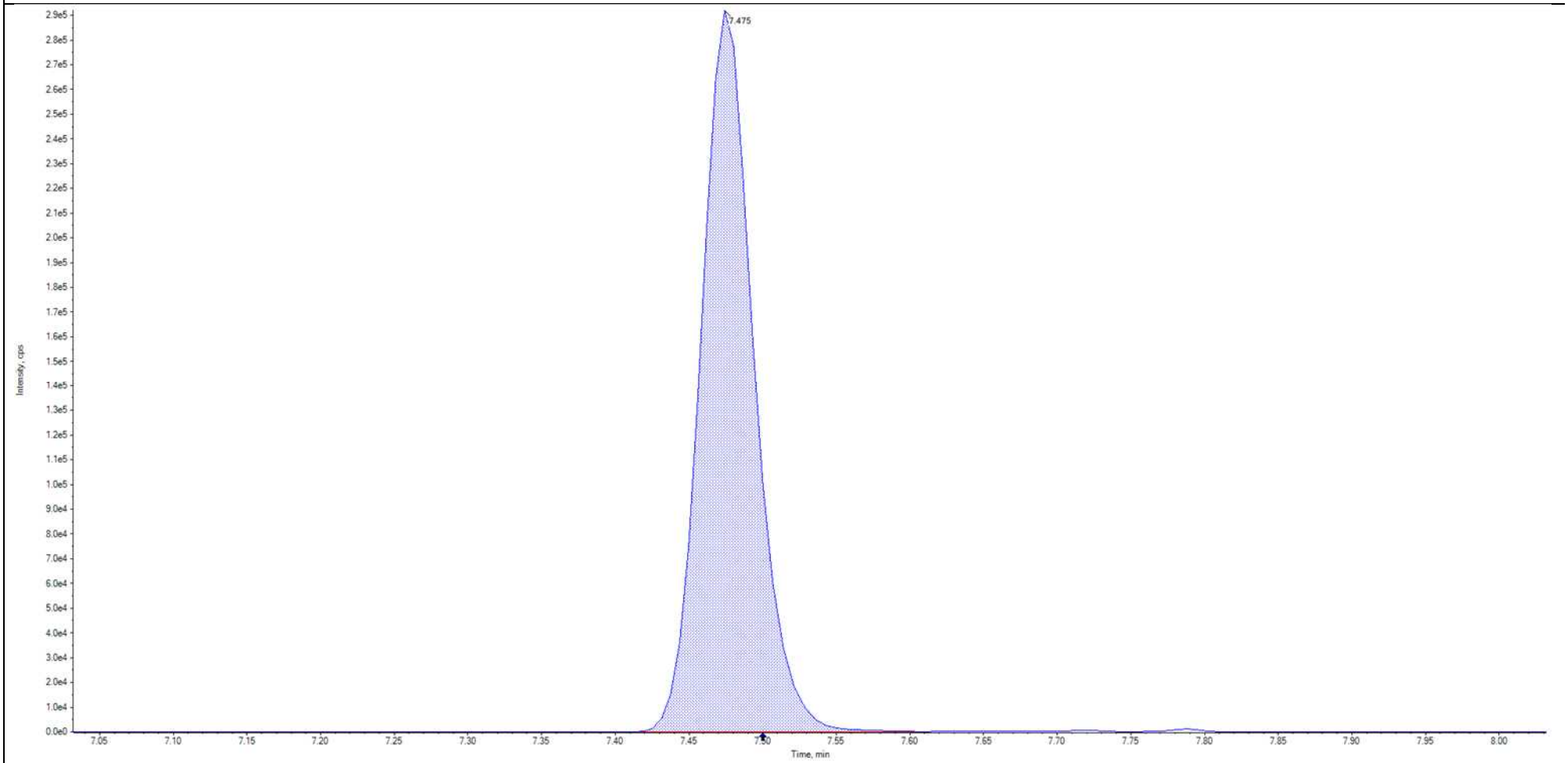
13C3-PFBA
Sample: L2447890-12



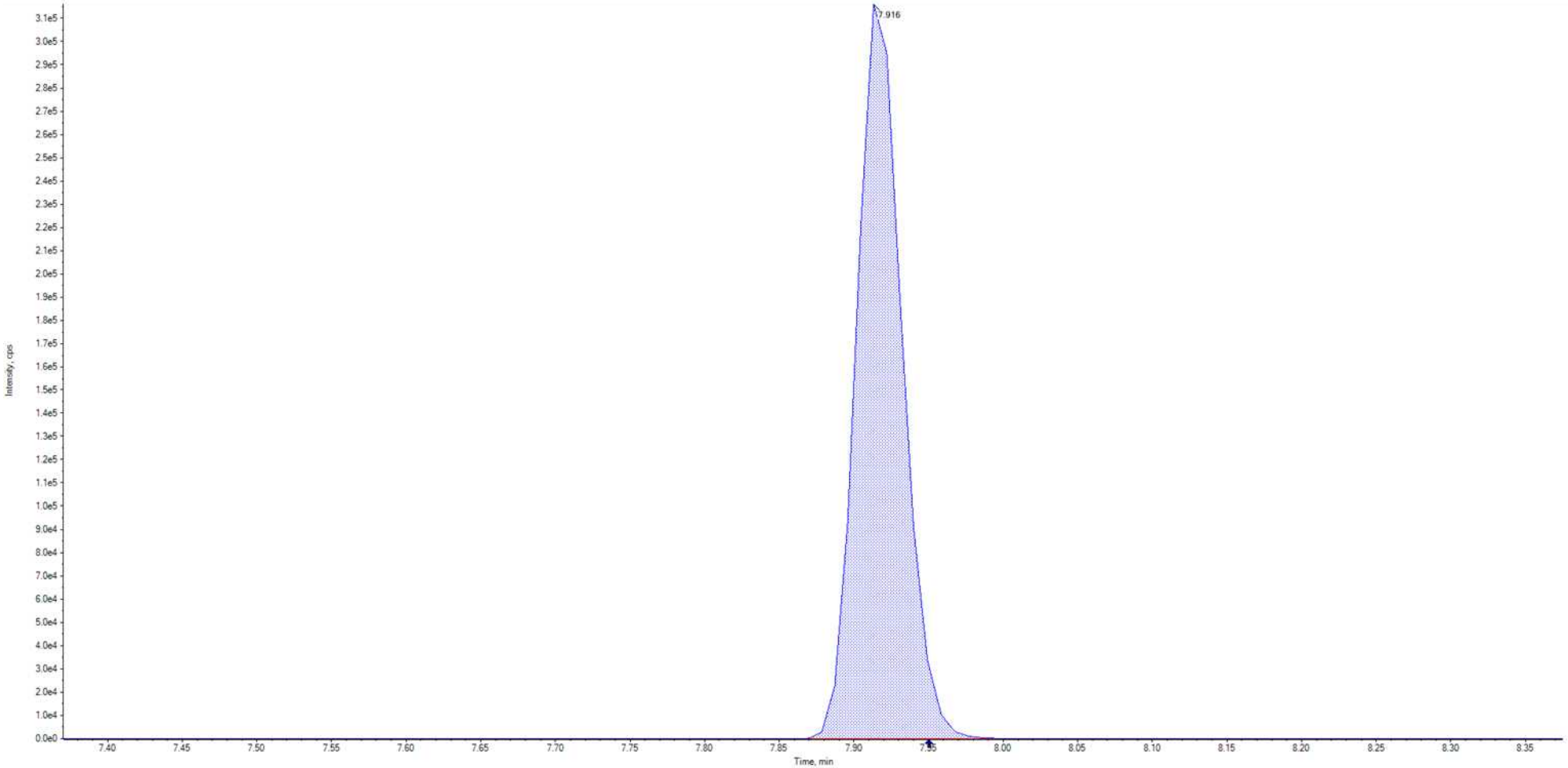
13C2-PFHxA
Sample: L2447890-12



13C4-PFOA
Sample: L2447890-12



13C5-PFNA
Sample: L2447890-12



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C2-PFDA
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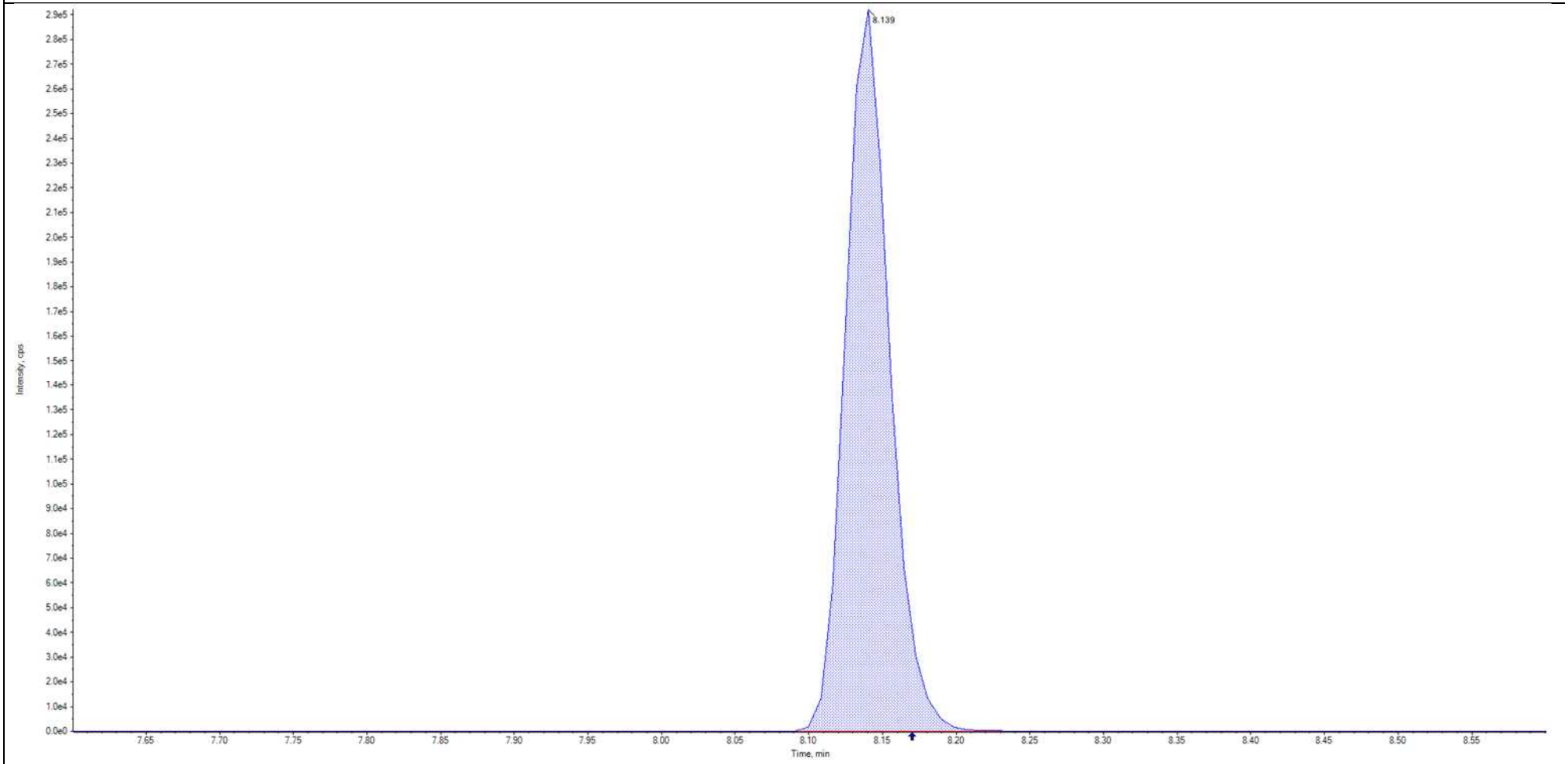

18O2-PFHxS
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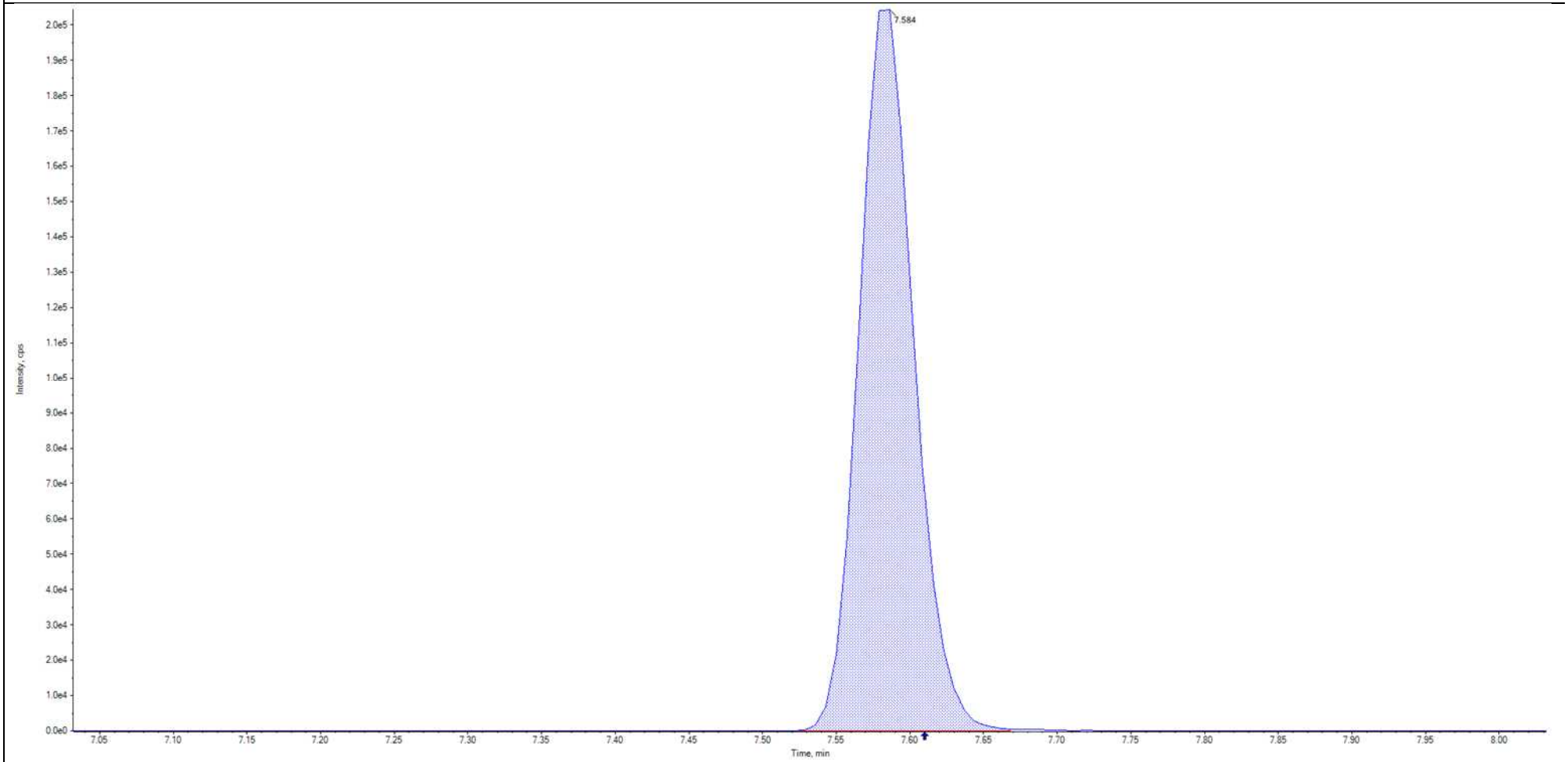
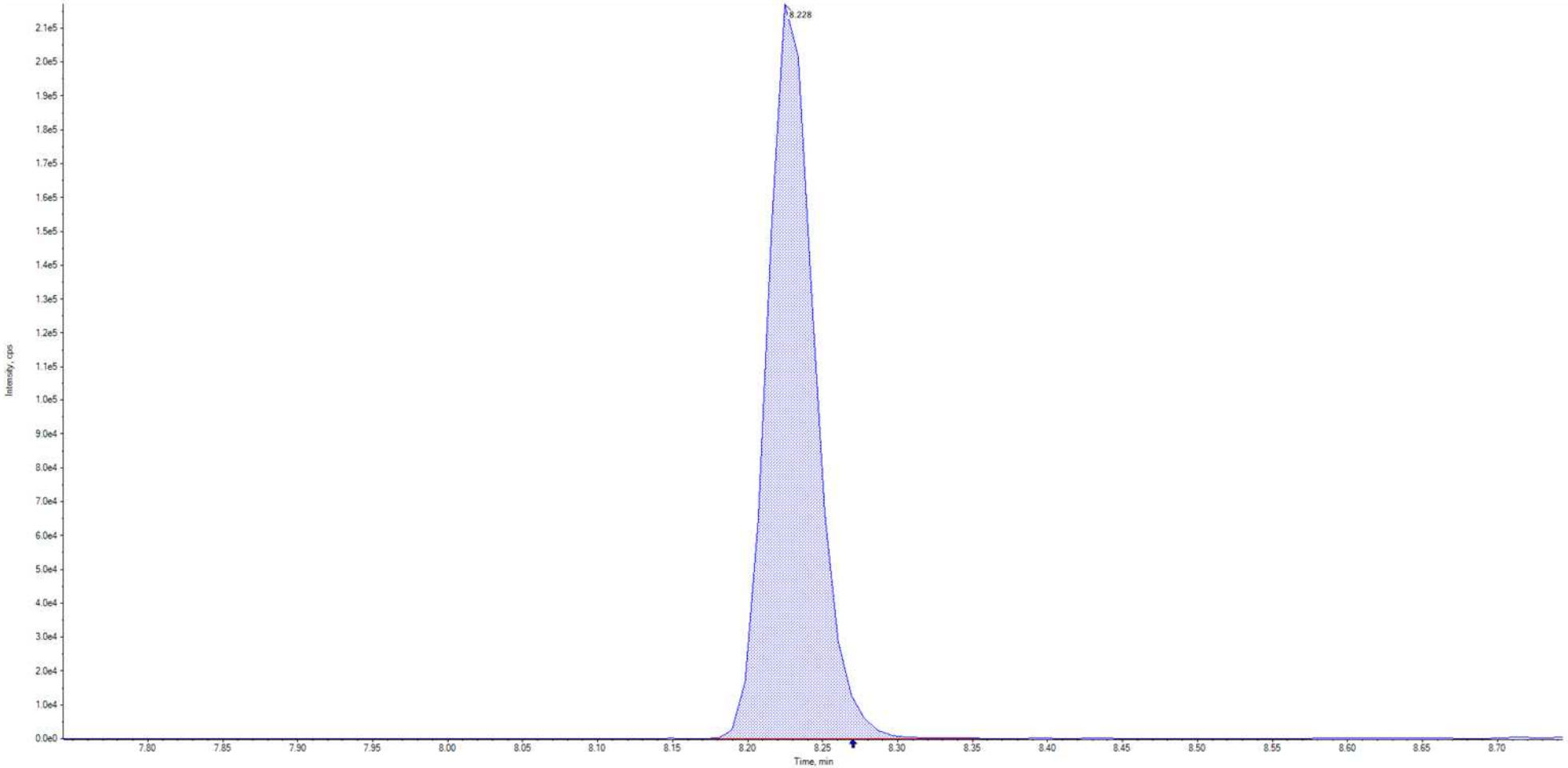


13C4-PFOS
Sample: L2447890-12



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447890-13
Name: SCI05_240918_26.wiff
Date & Time: 2024-09-18T10:50:38
Description: WG1972930,WG1972760,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	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	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.84	217.0 / 172.0	1984349		7.036	NA	NA	NA	70.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.65	268.0 / 223.0	1343568		4.069	NA	NA	NA	81.4
	13C5-PFHxA	EIS	5.35	318.0 / 273.0	745412		1.718	NA	NA	NA	68.7
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	783373		1.804	NA	NA	NA	72.2
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1119307		1.841	NA	NA	NA	73.6
	13C9-PFNA	EIS	7.92	472.0 / 427.0	483116		0.758	NA	NA	NA	60.6
	13C6-PFDA	EIS	8.15	519.0 / 474.0	438630		0.765	NA	NA	NA	61.2
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	310919		0.670	NA	NA	NA	53.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	253737		0.841	NA	NA	NA	67.3
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	186625		0.569	NA	NA	NA	45.6
	13C3-PFBS	EIS	5.32	302.1 / 80.1	578631		1.607	NA	NA	NA	69.0
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	482024		1.686	NA	NA	NA	71.1
	13C8-PFOS	EIS	8.23	507.1 / 80.1	437656		1.394	NA	NA	NA	58.2
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	215953		3.361	NA	NA	NA	71.7
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	141092		2.996	NA	NA	NA	63.0
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	189344		2.747	NA	NA	NA	57.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	620780		1.487	NA	NA	NA	59.5
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	94737		1.348	NA	NA	NA	53.9
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	91955		1.340	NA	NA	NA	53.6
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	221670		1.396	NA	NA	NA	27.9
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	188086		2.253	NA	NA	NA	45.1
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	811986		14.964	NA	NA	NA	59.9
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1221310		15.266	NA	NA	NA	61.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2168166		7.542	NA	NA	NA	75.4
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1233742		5.770	NA	NA	NA	115.4
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1287954		2.630	NA	NA	NA	105.2
	13C4-PFOA	NIS	7.48	417.0 / 372.0	795324		2.541	NA	NA	NA	101.6
	13C5-PFNA	NIS	7.92	468.0 / 423.0	776425		1.418	NA	NA	NA	113.4
	13C2-PFDA	NIS	8.14	515.1 / 470.1	673755		1.315	NA	NA	NA	105.2
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	581262		2.481	NA	NA	NA	104.7
	13C4-PFOS	NIS	8.23	503.1 / 80.1	555377		2.638	NA	NA	NA	110.1

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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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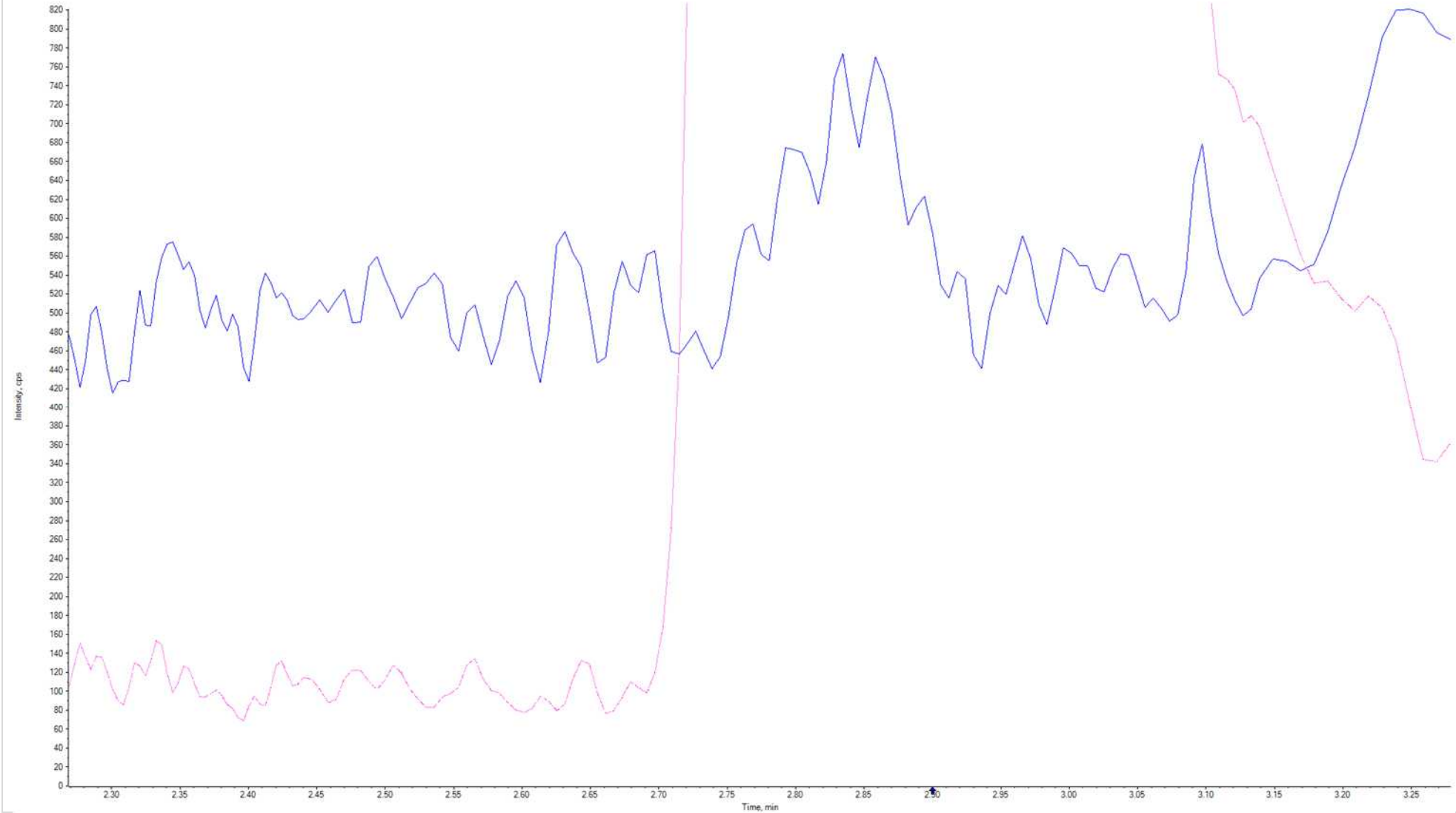

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PFPeA
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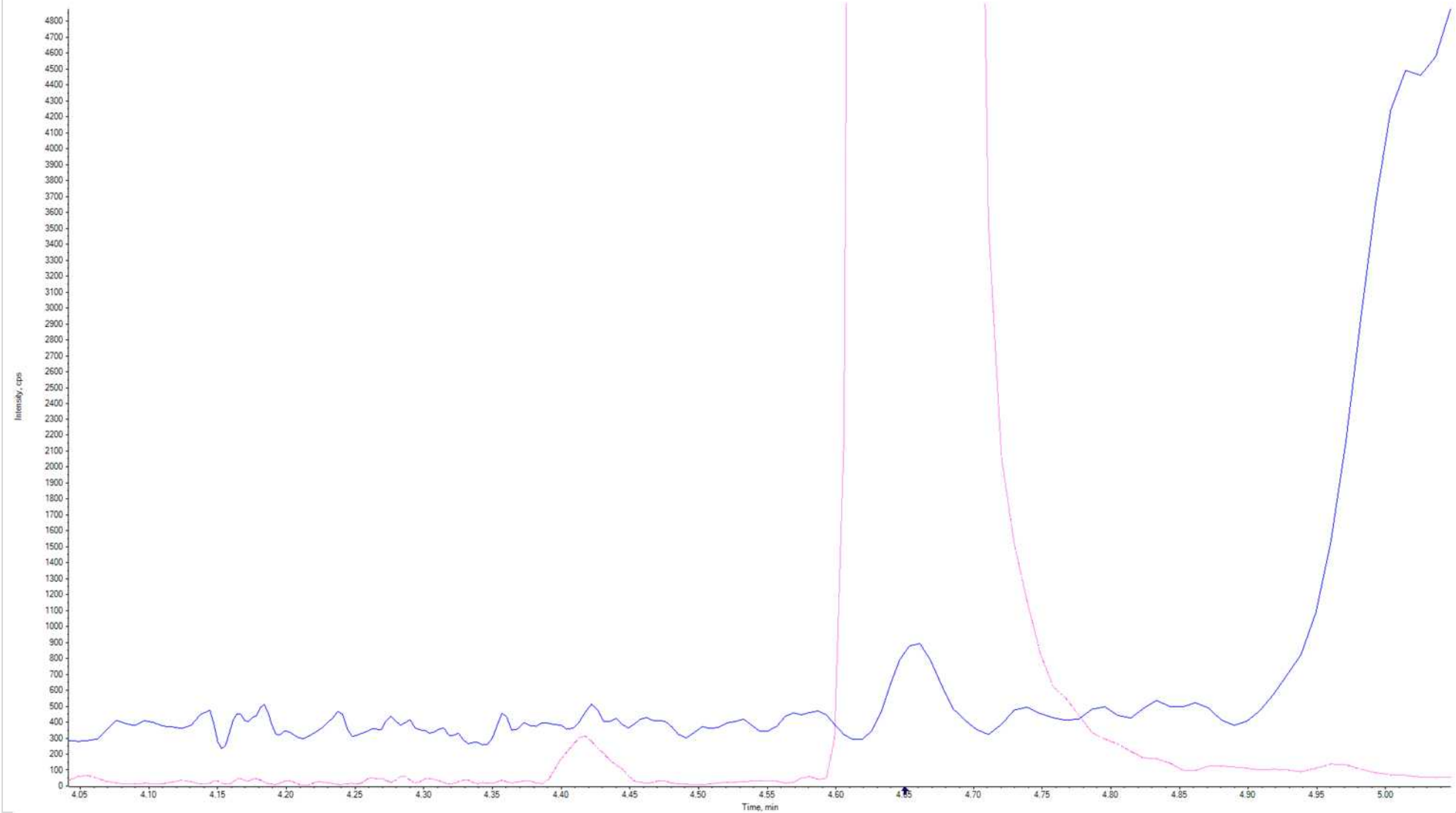

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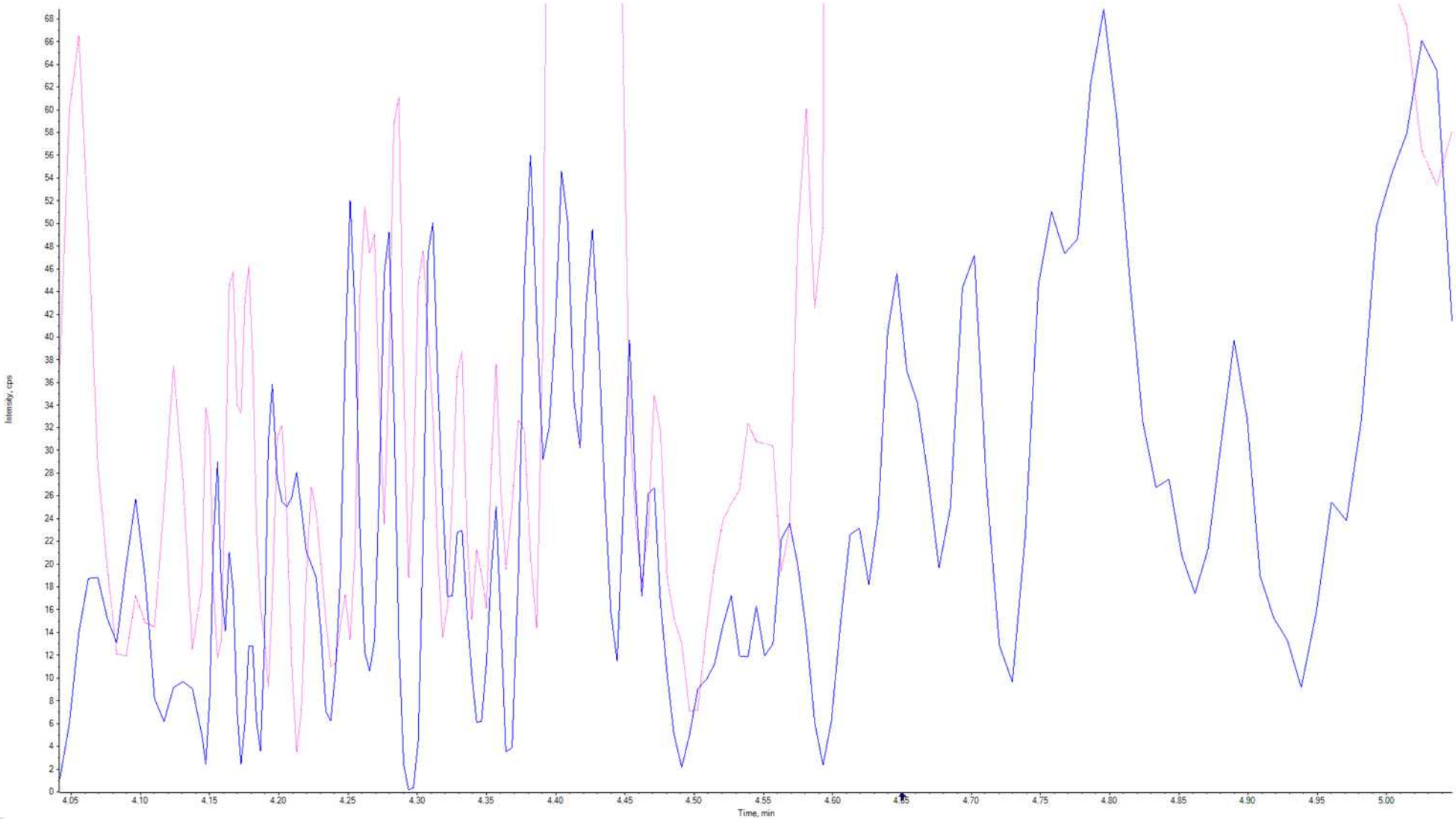

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PFHxA
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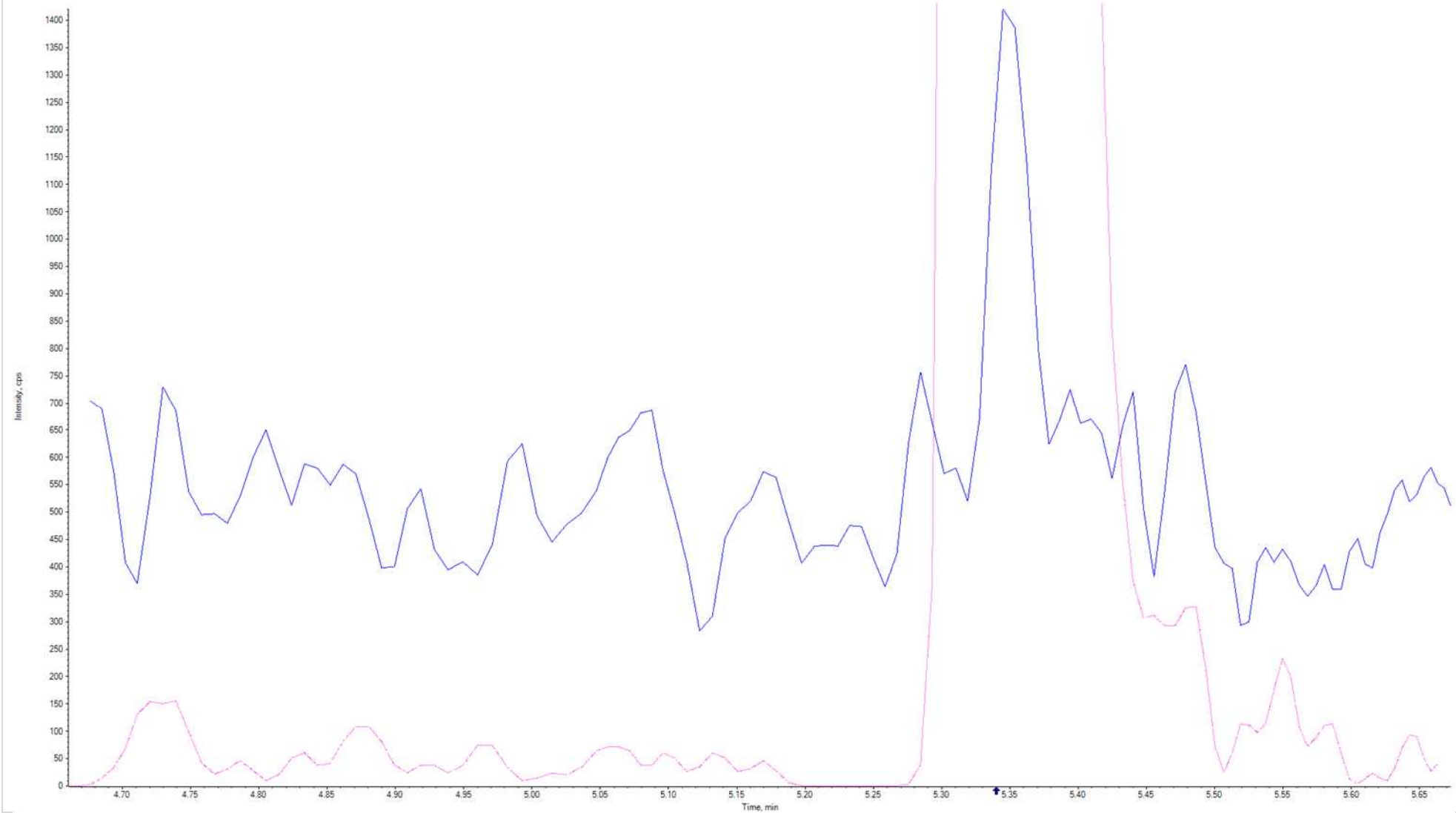

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PFHxA_2
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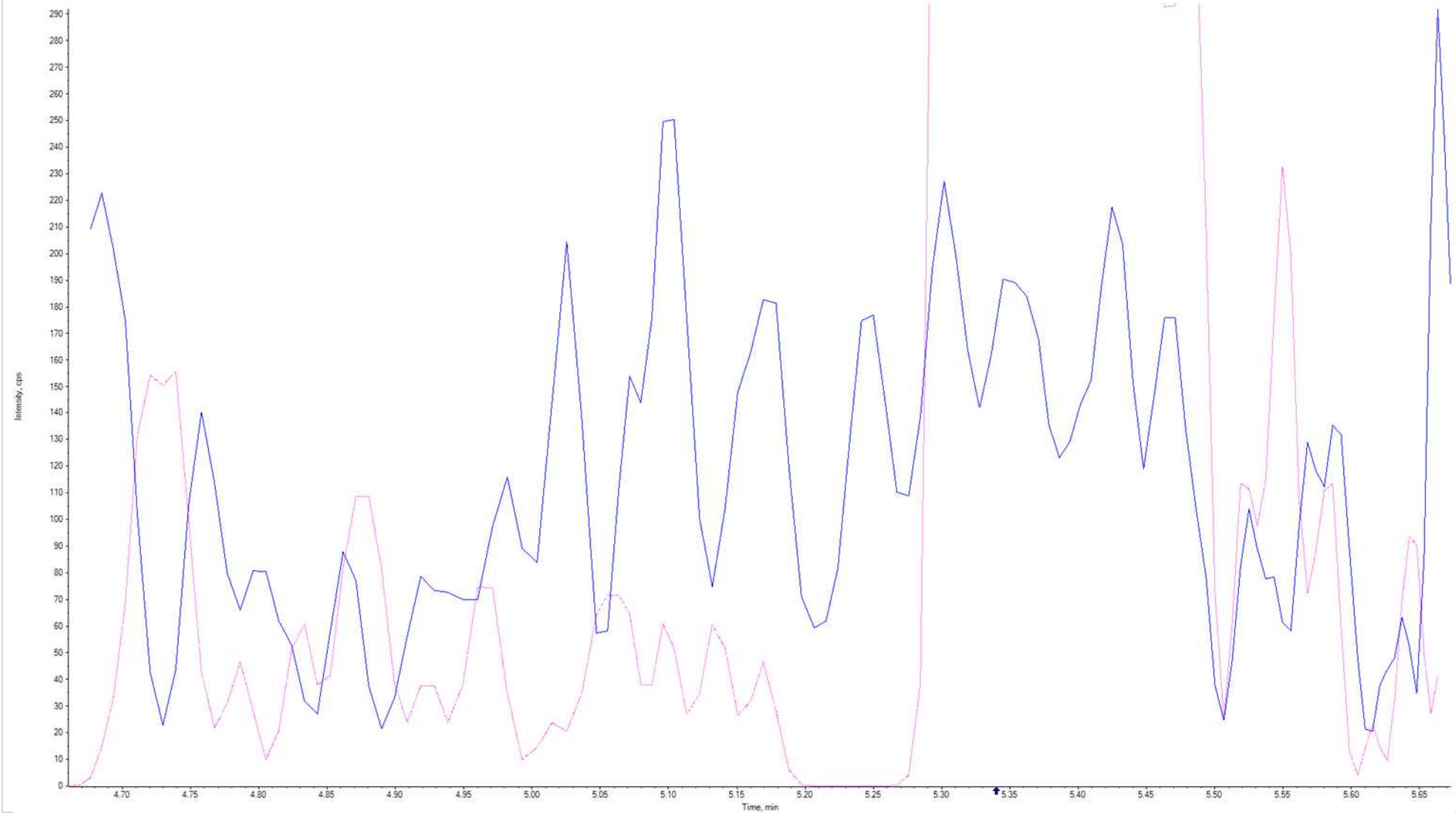

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PFHpA
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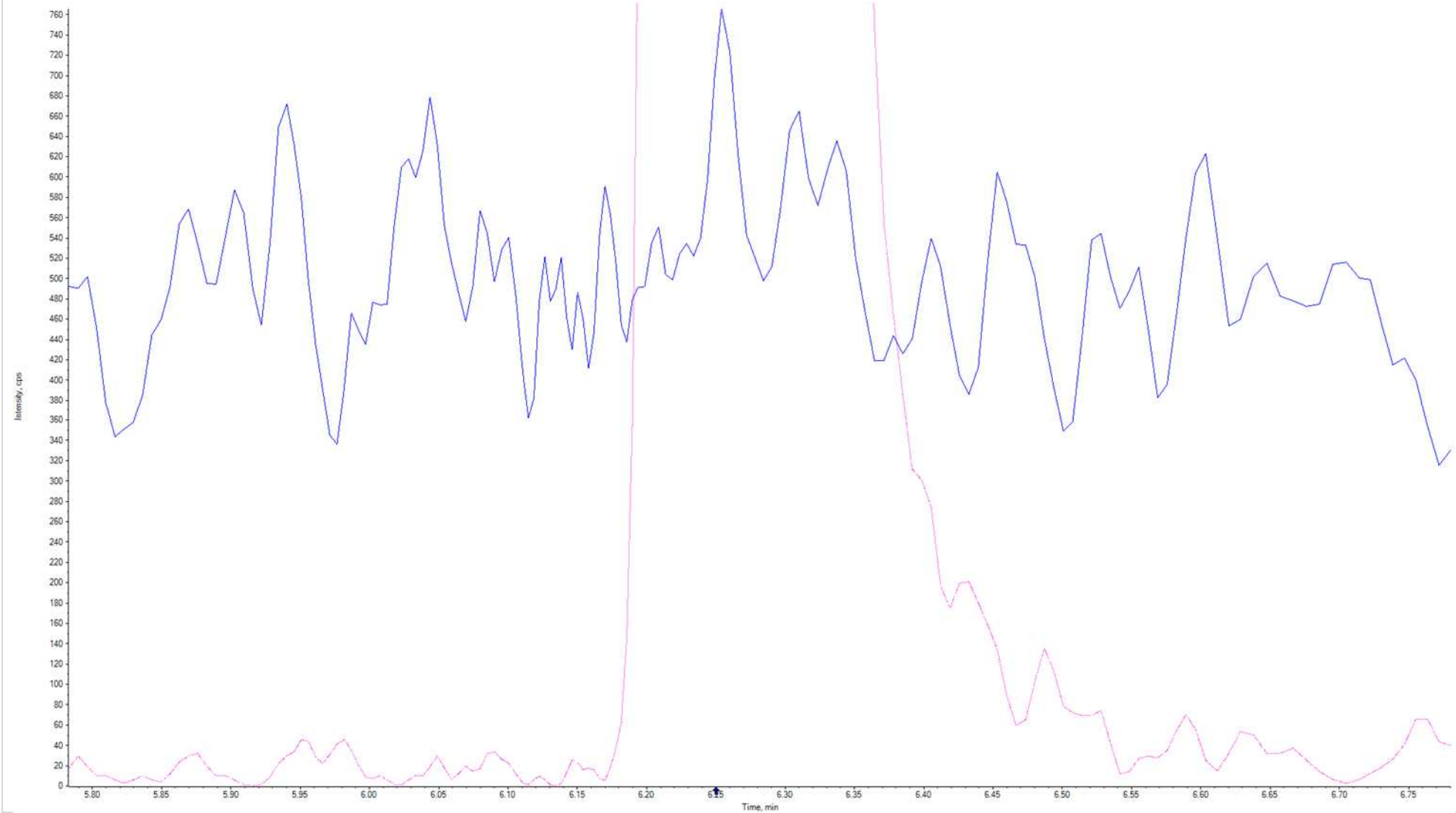

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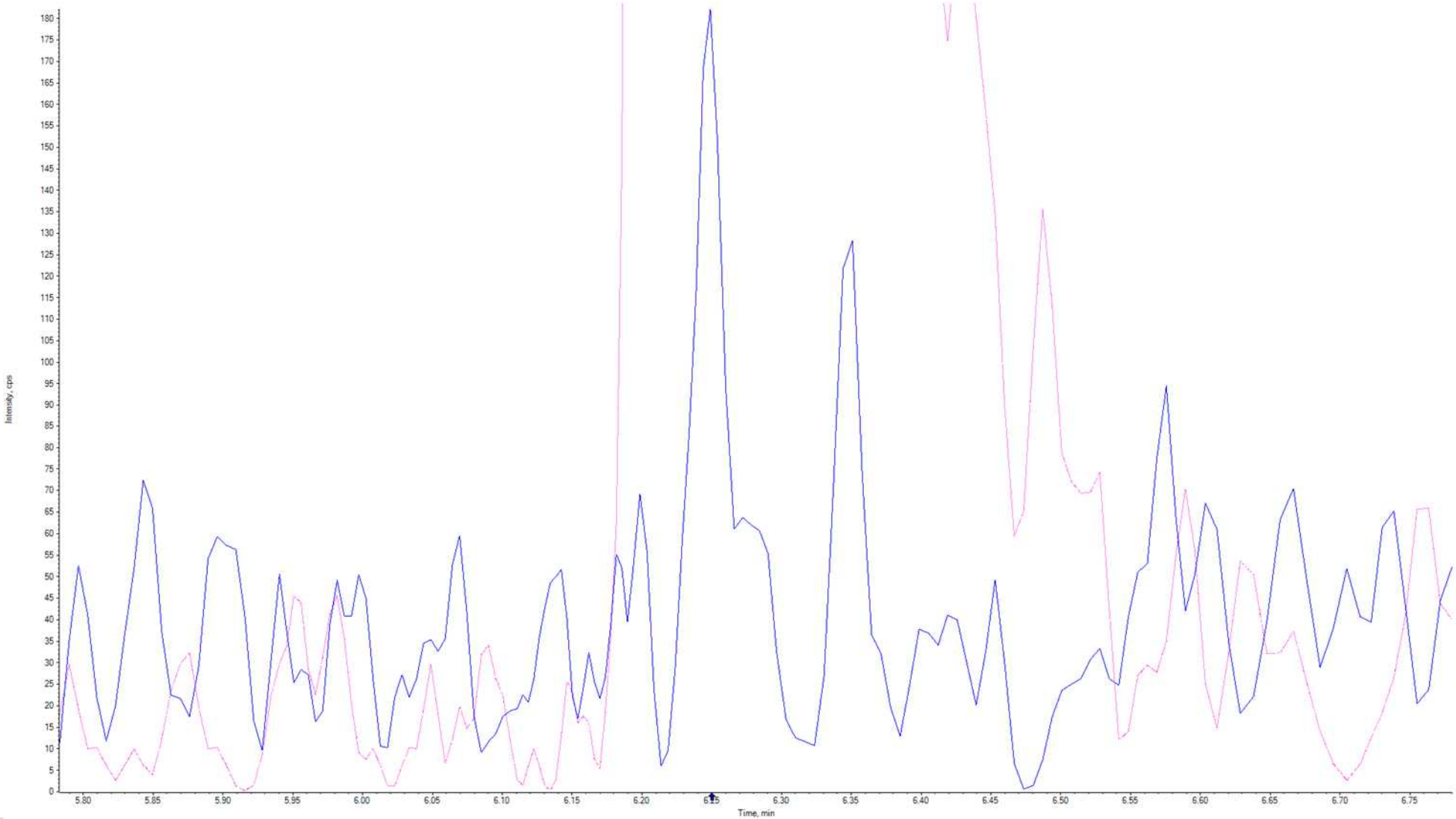
PFHpA_2
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
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PFOA
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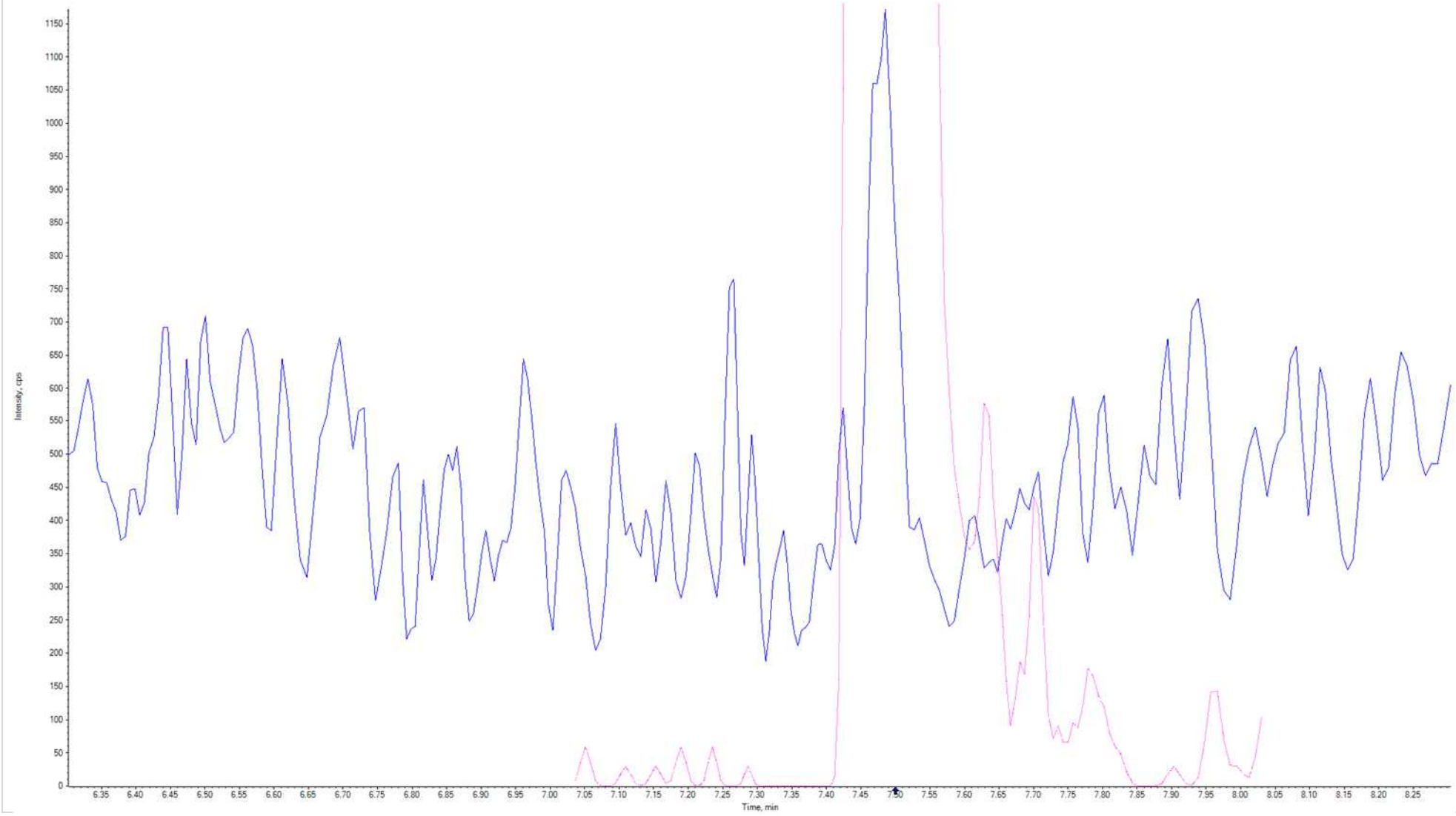

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFOA_2
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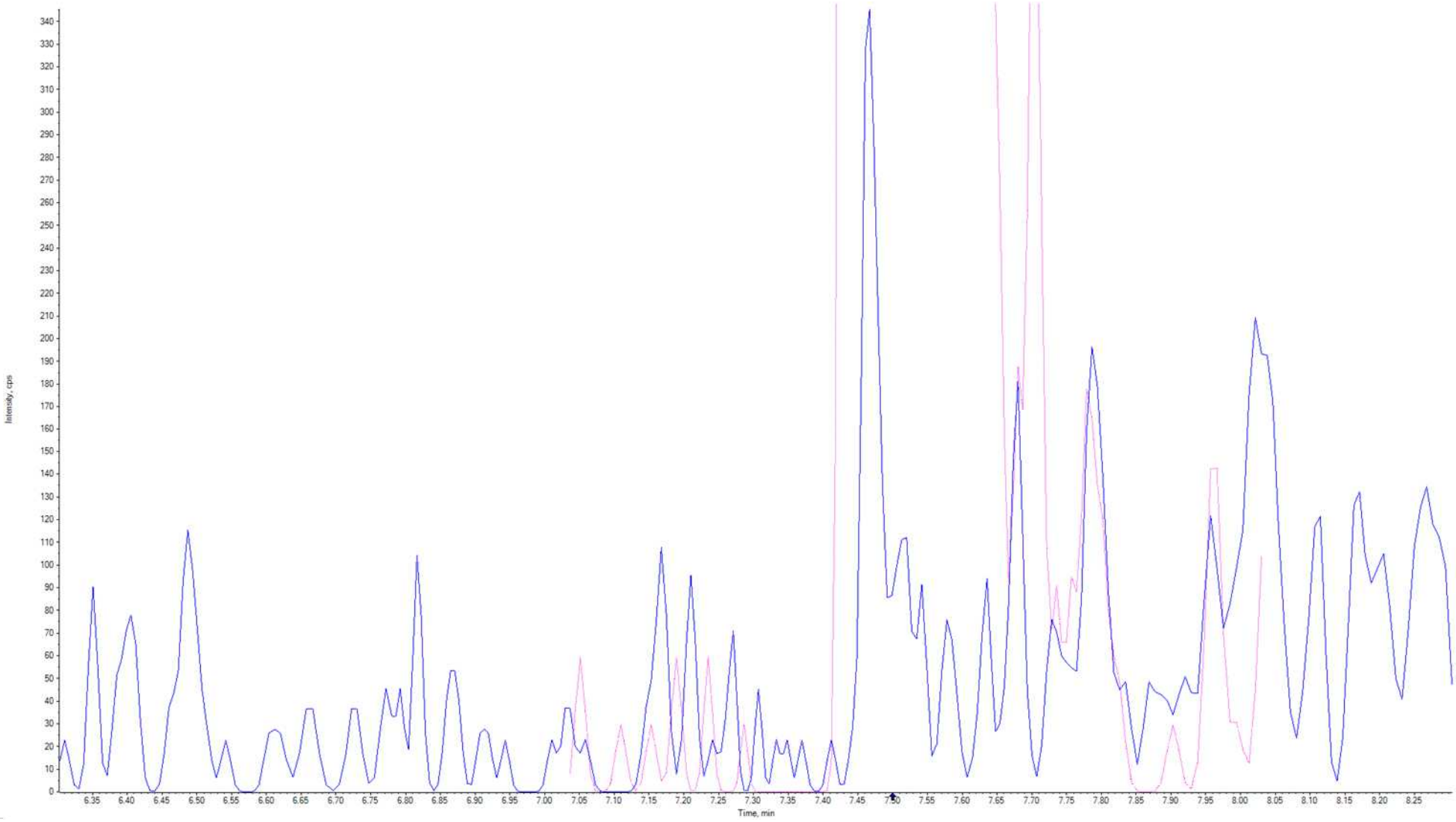

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFNA
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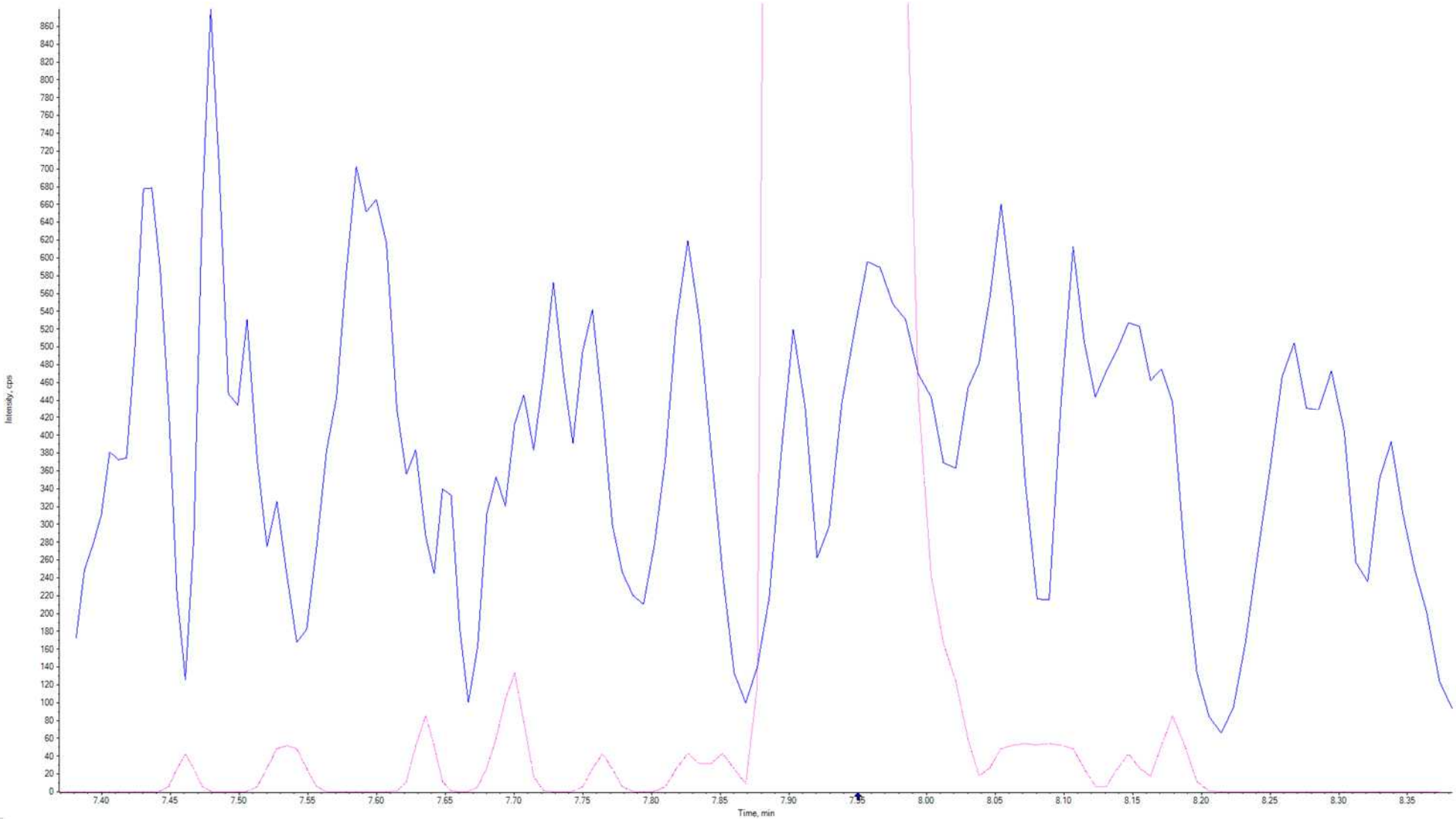

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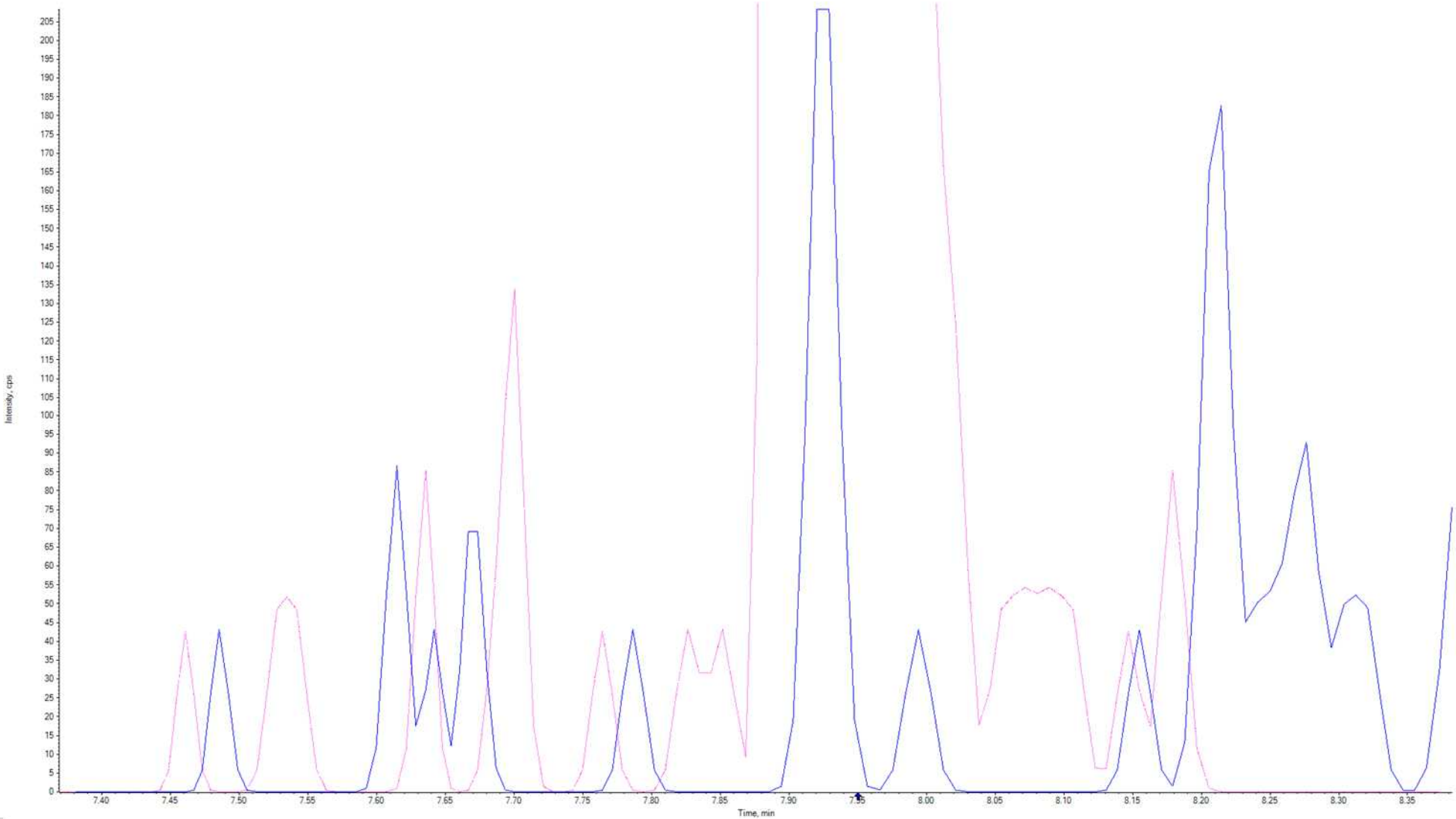

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PFDA
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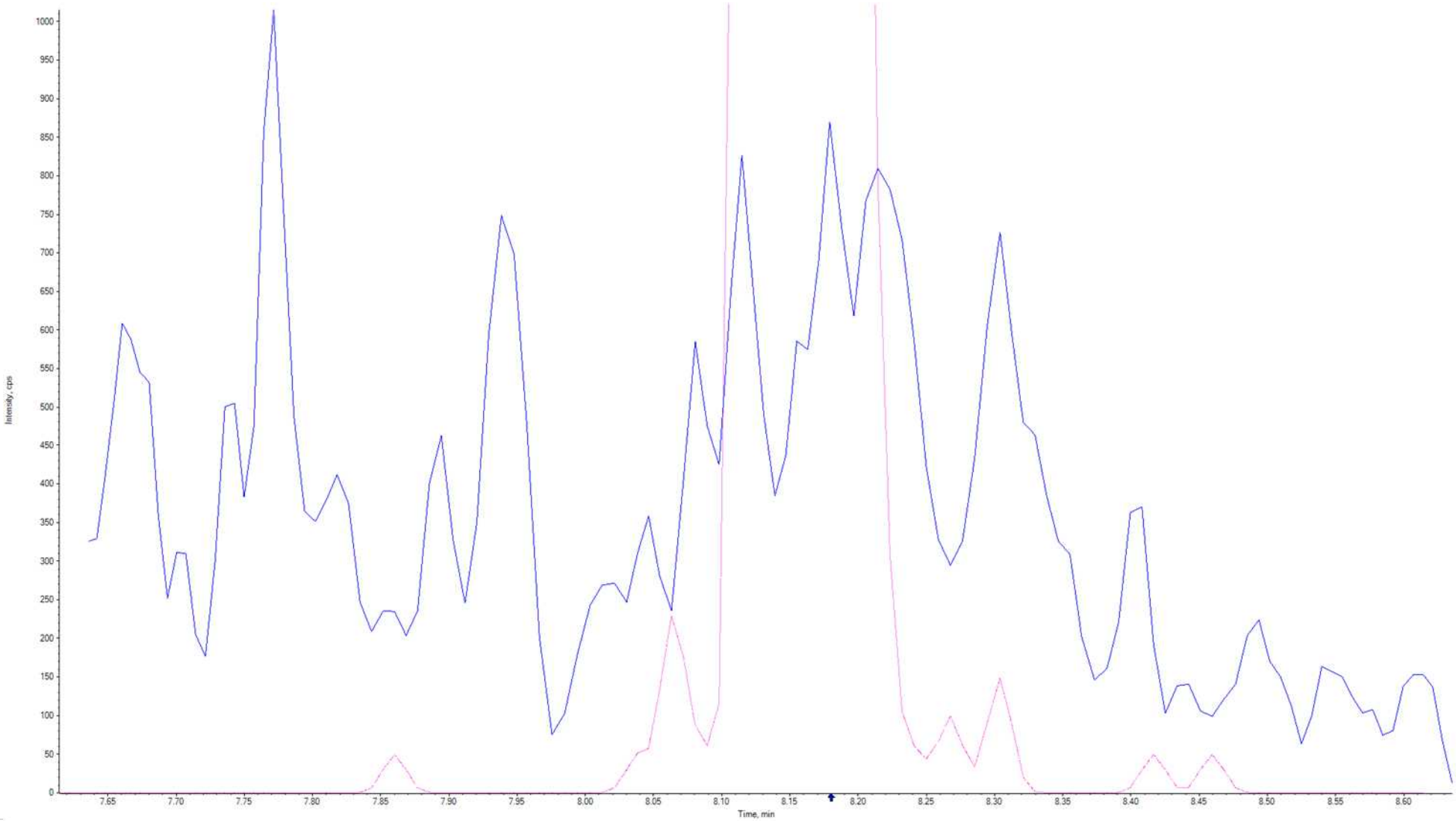

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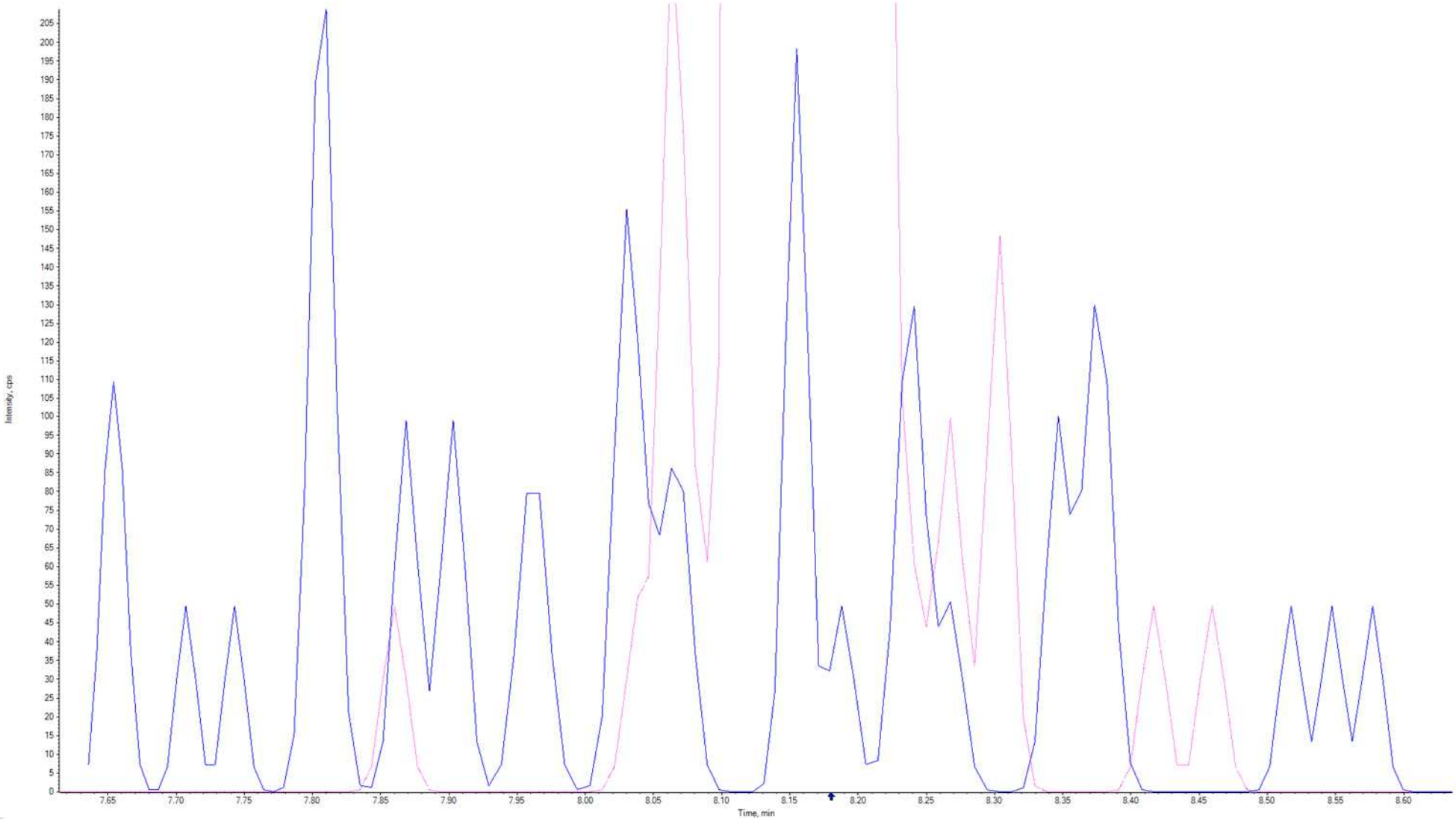

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PFUnA
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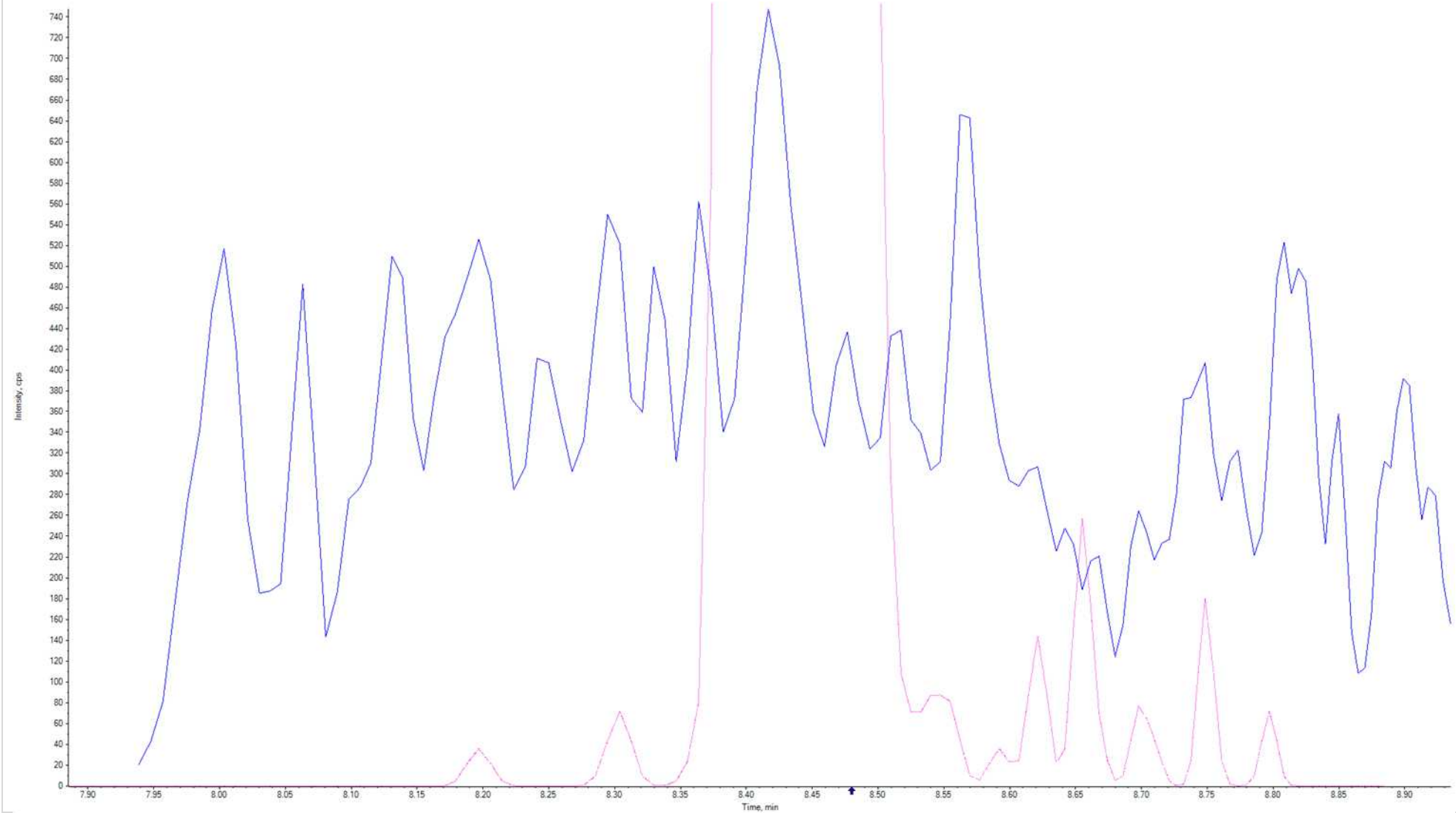

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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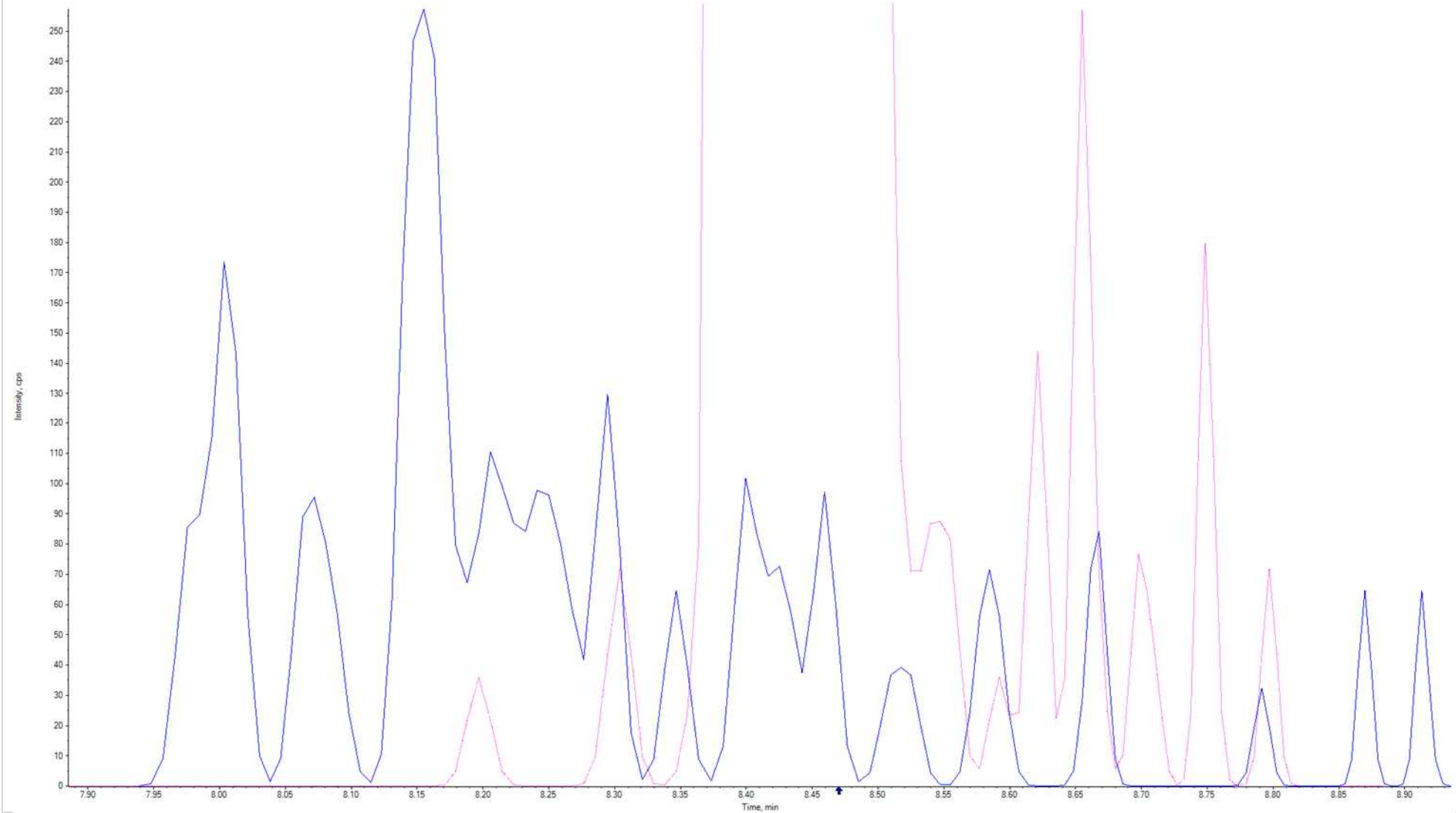

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PFDoA
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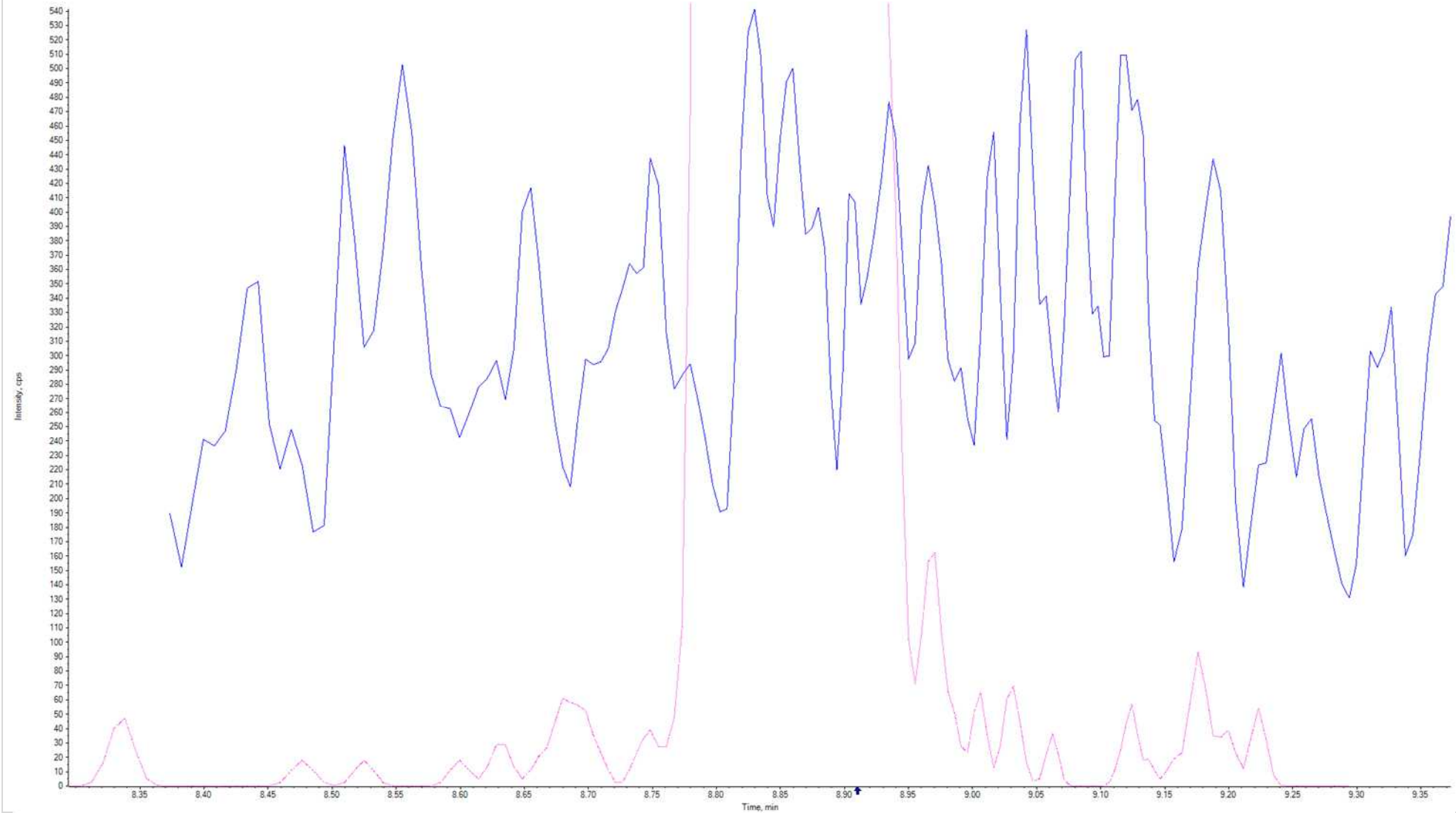

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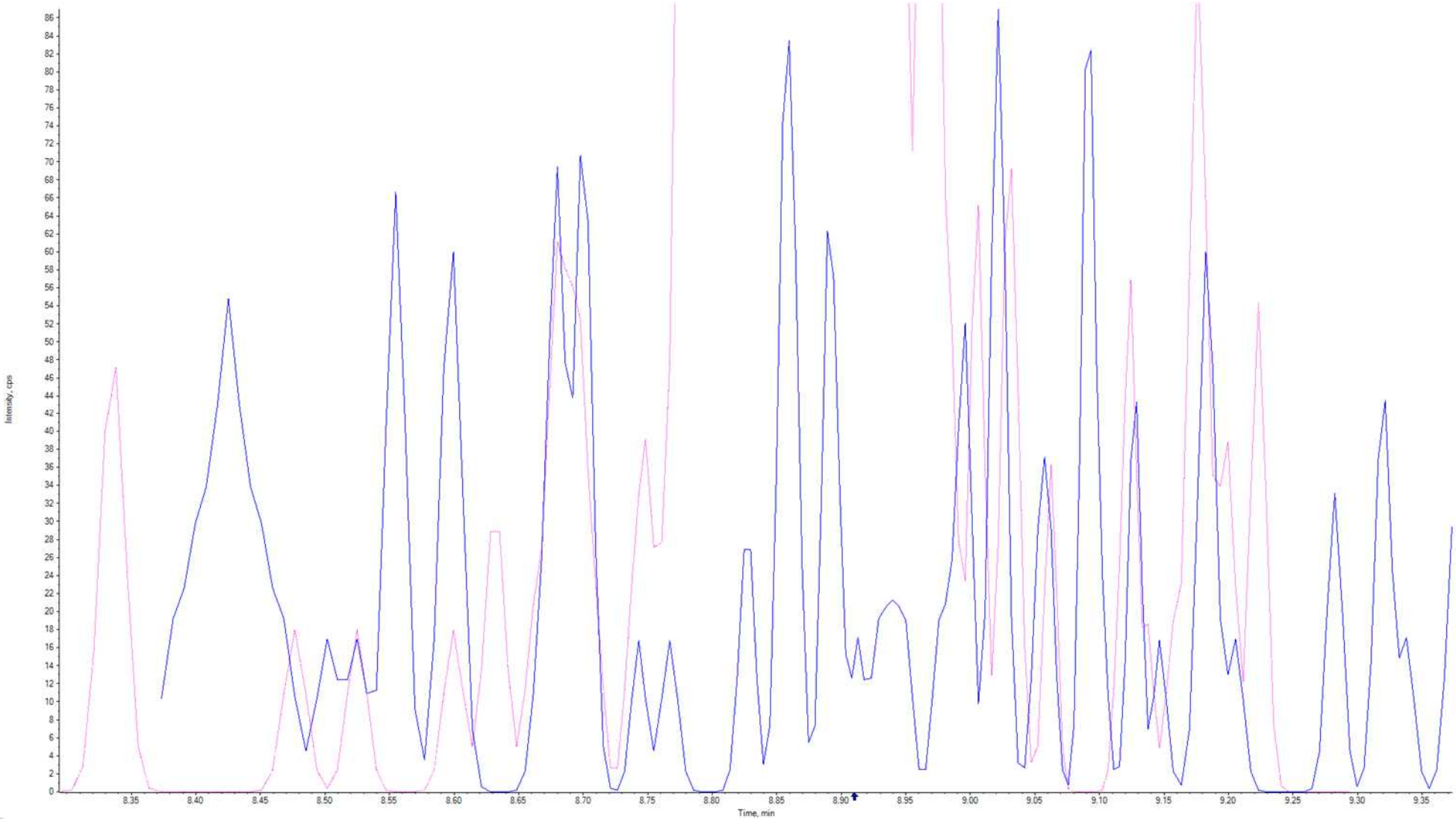

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PFTrDA
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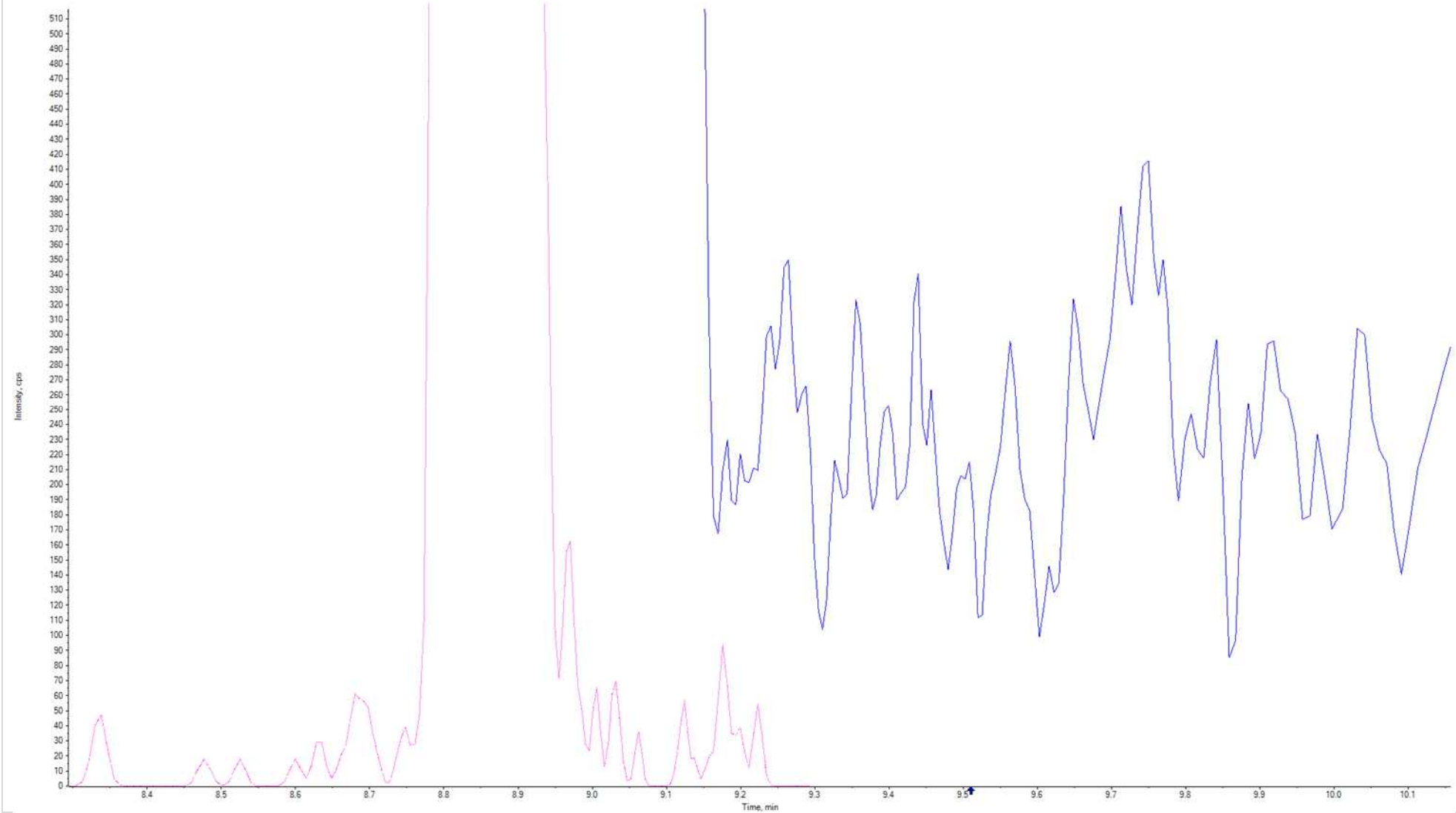

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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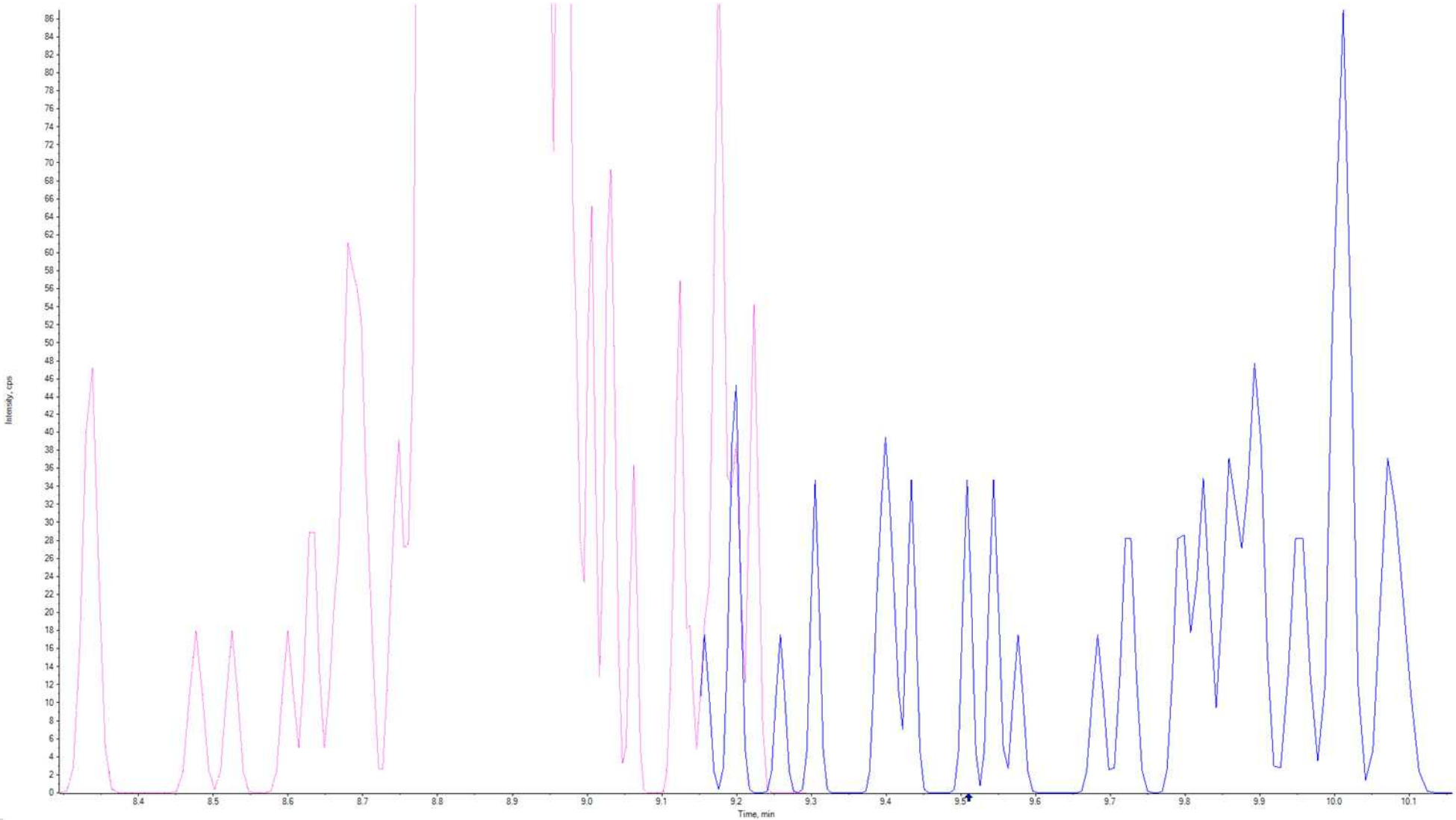

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PFTeDA
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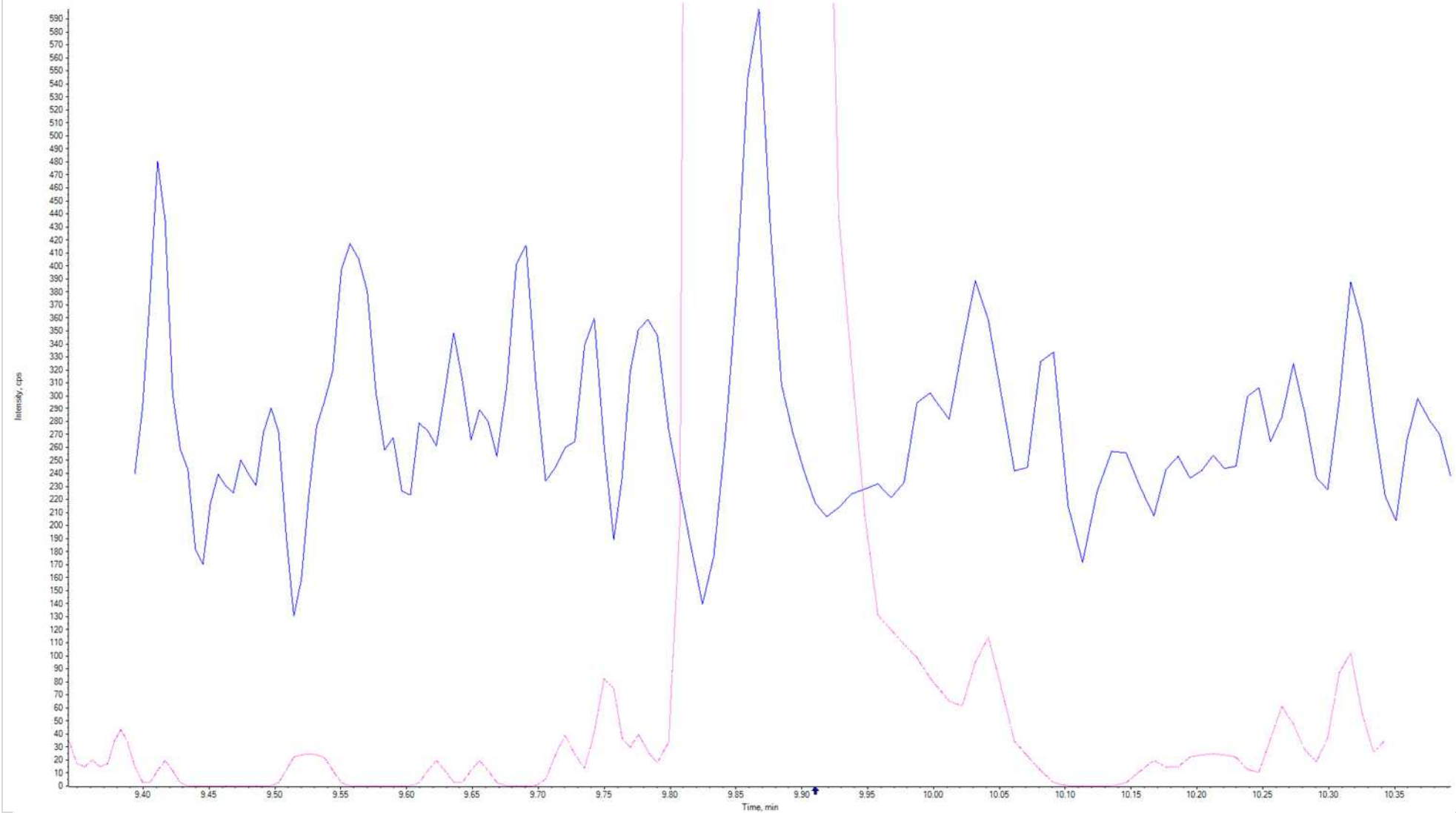

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PFTeDA_2
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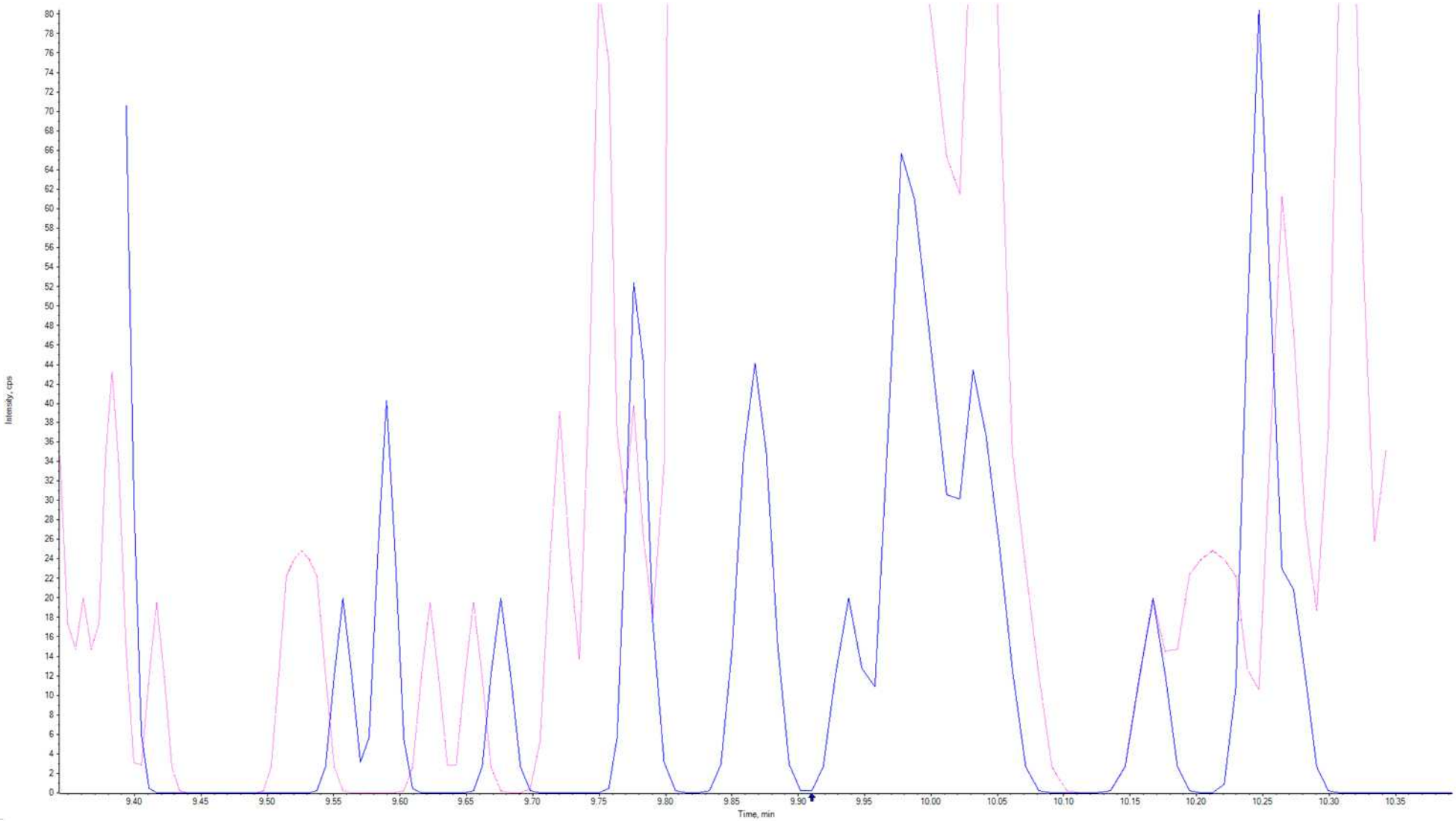

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PFBS
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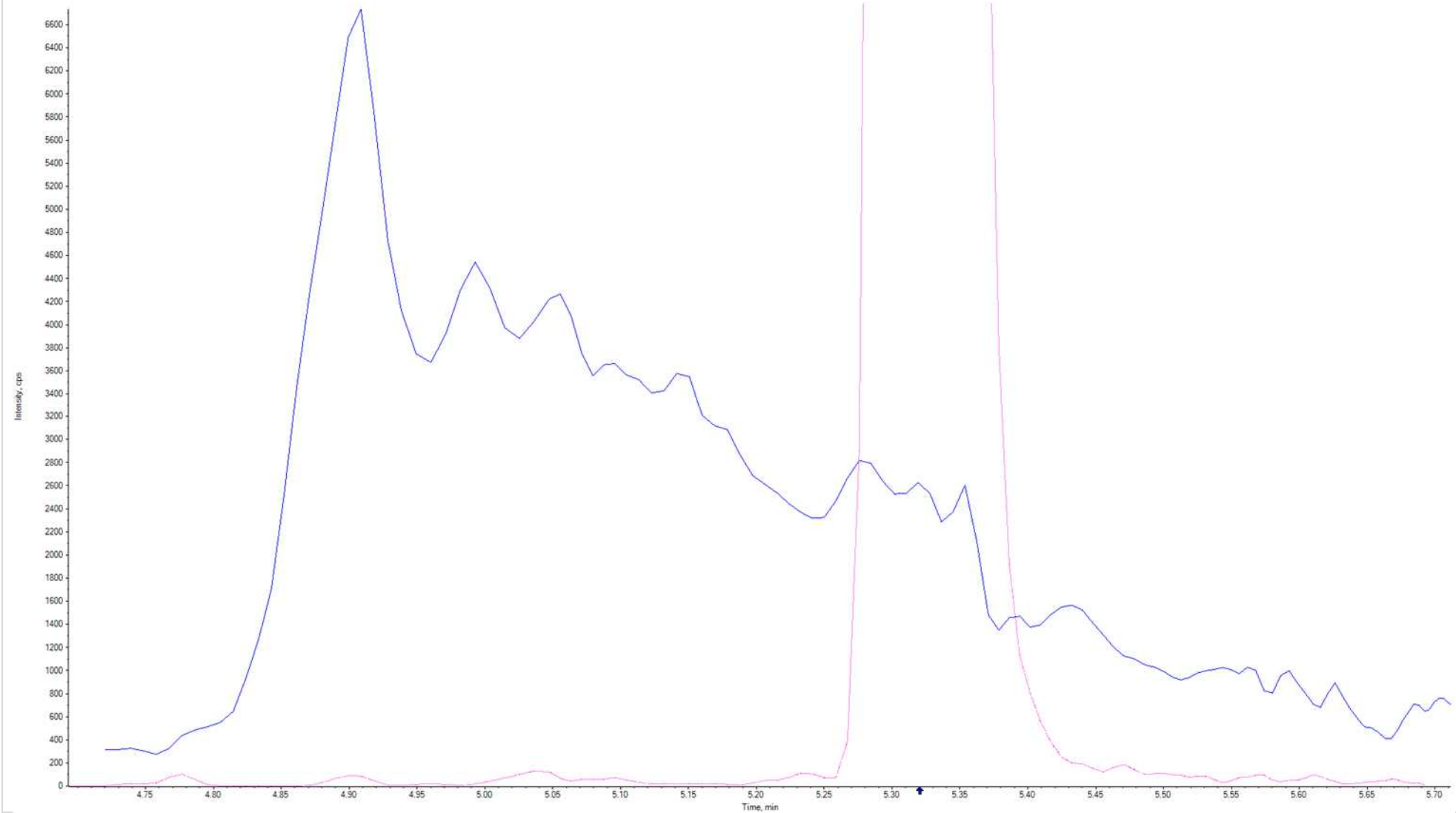

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PFBS_2
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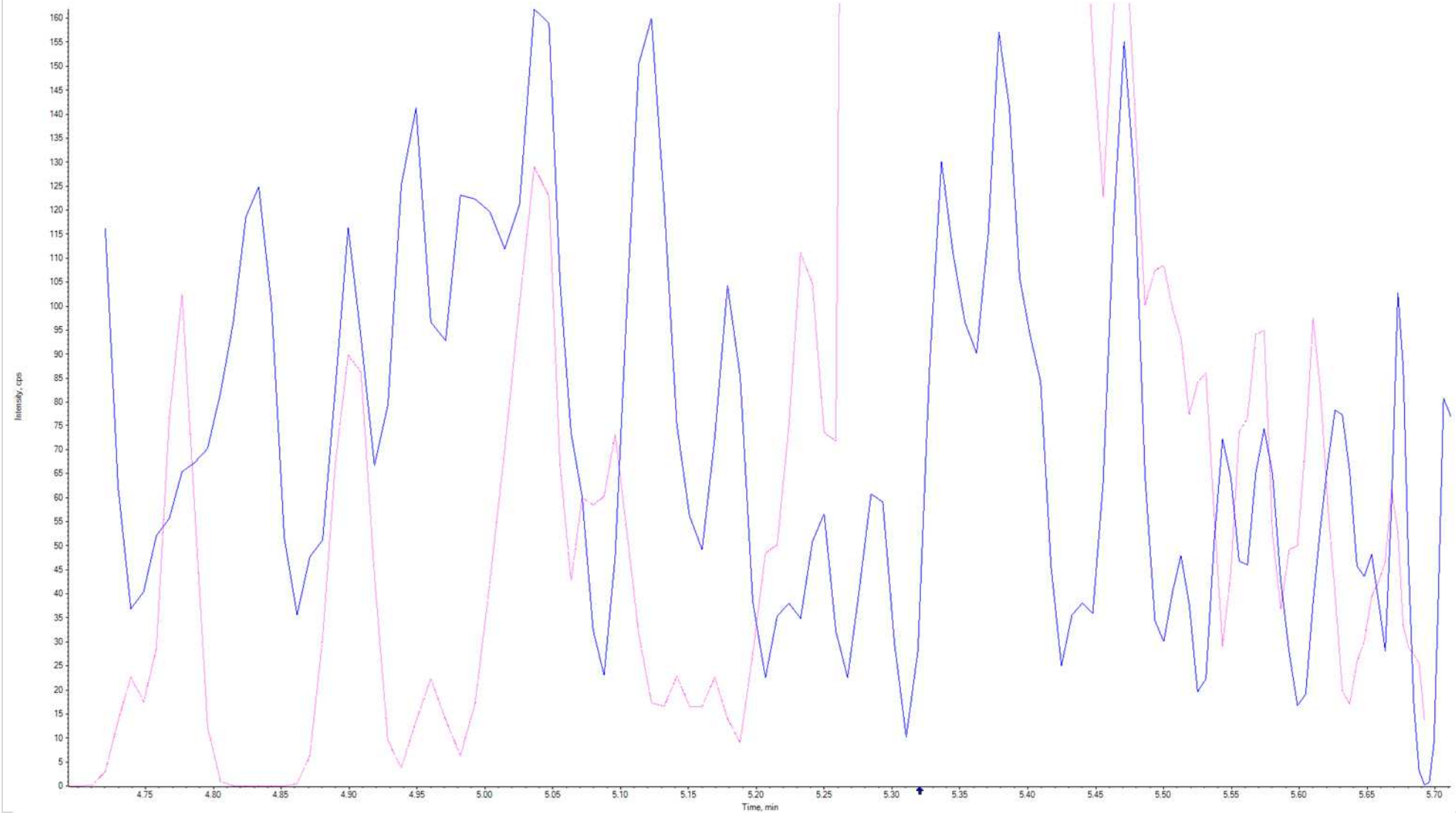

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PFPeS
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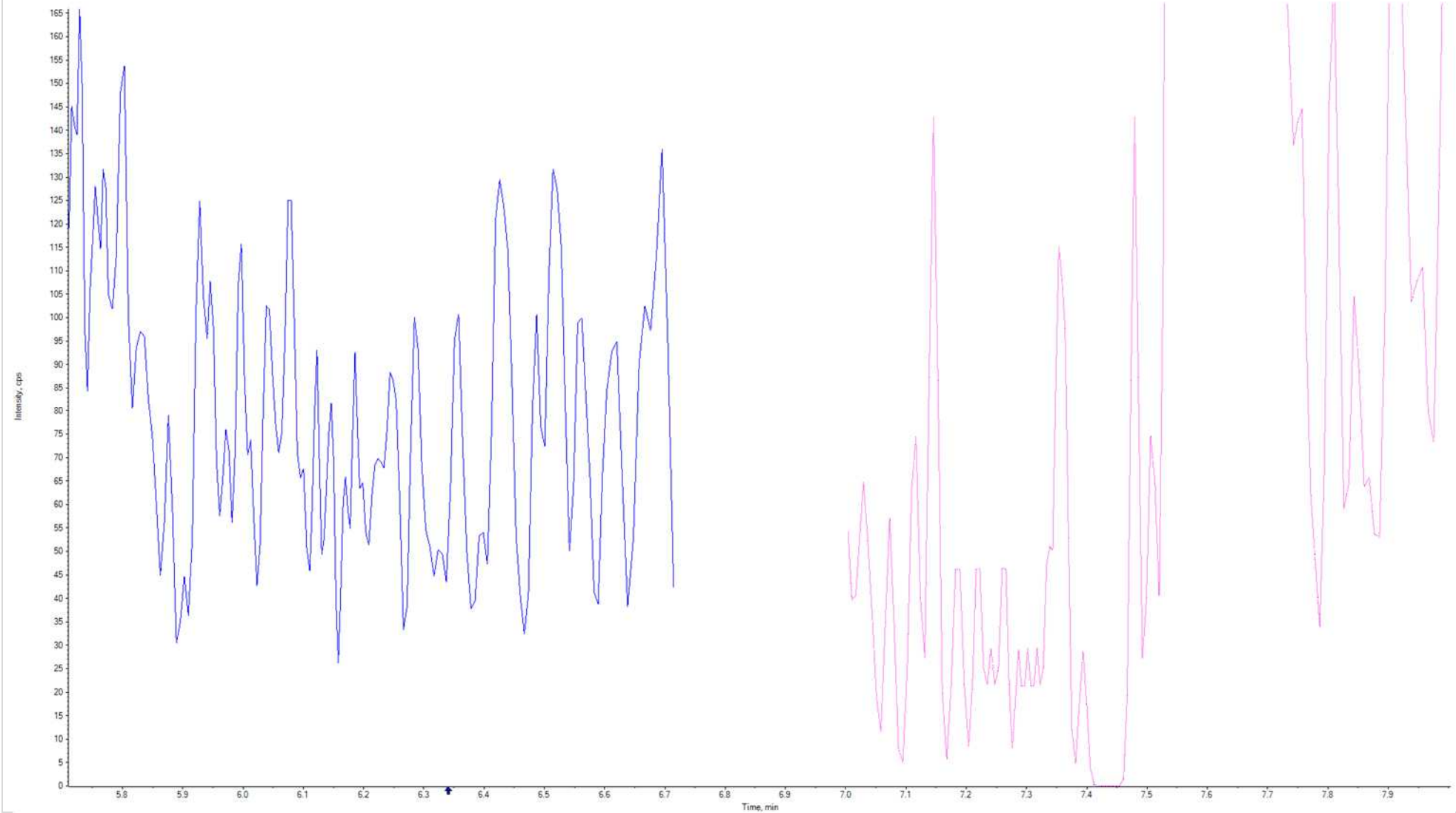

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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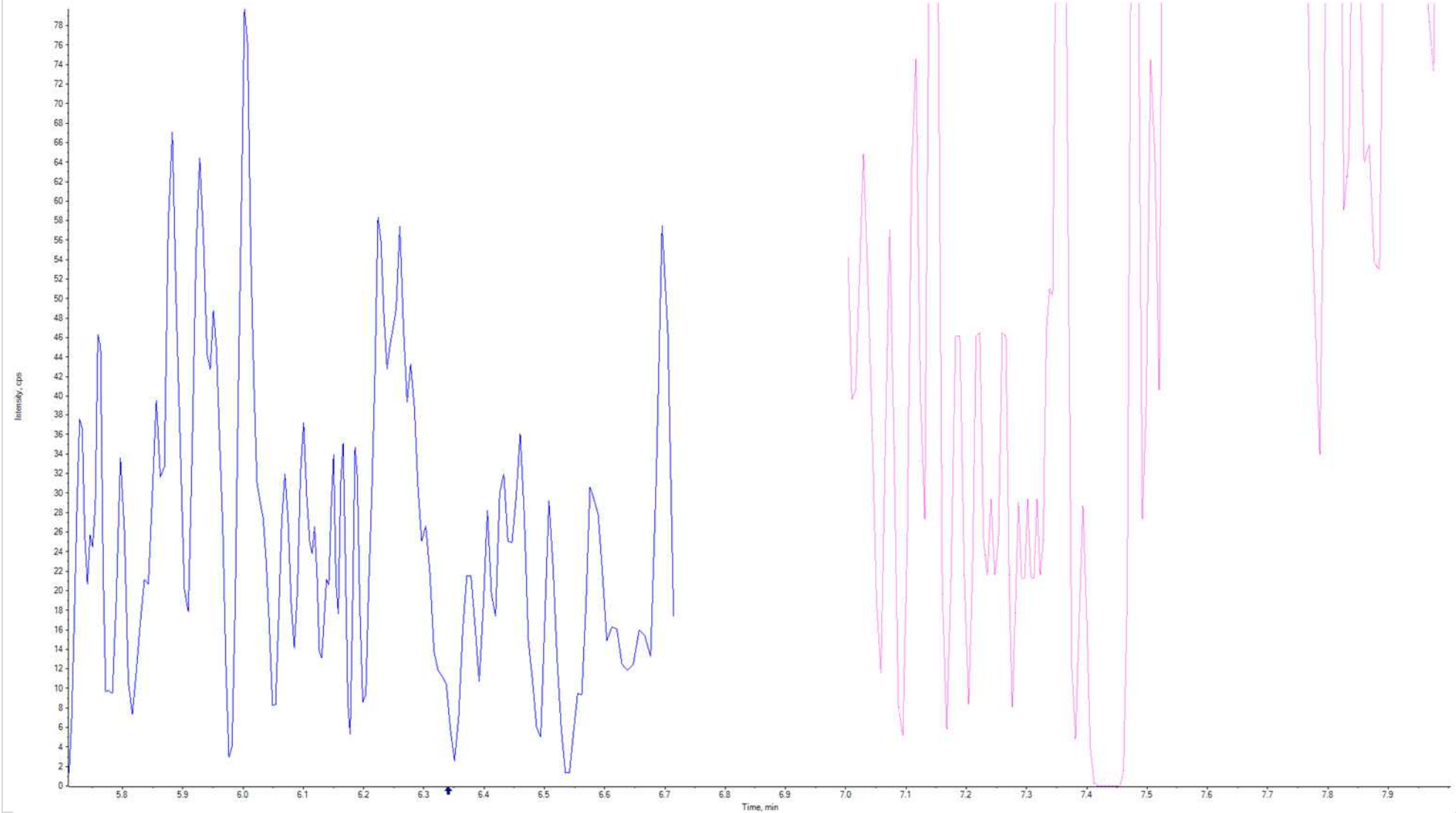

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PFHxS
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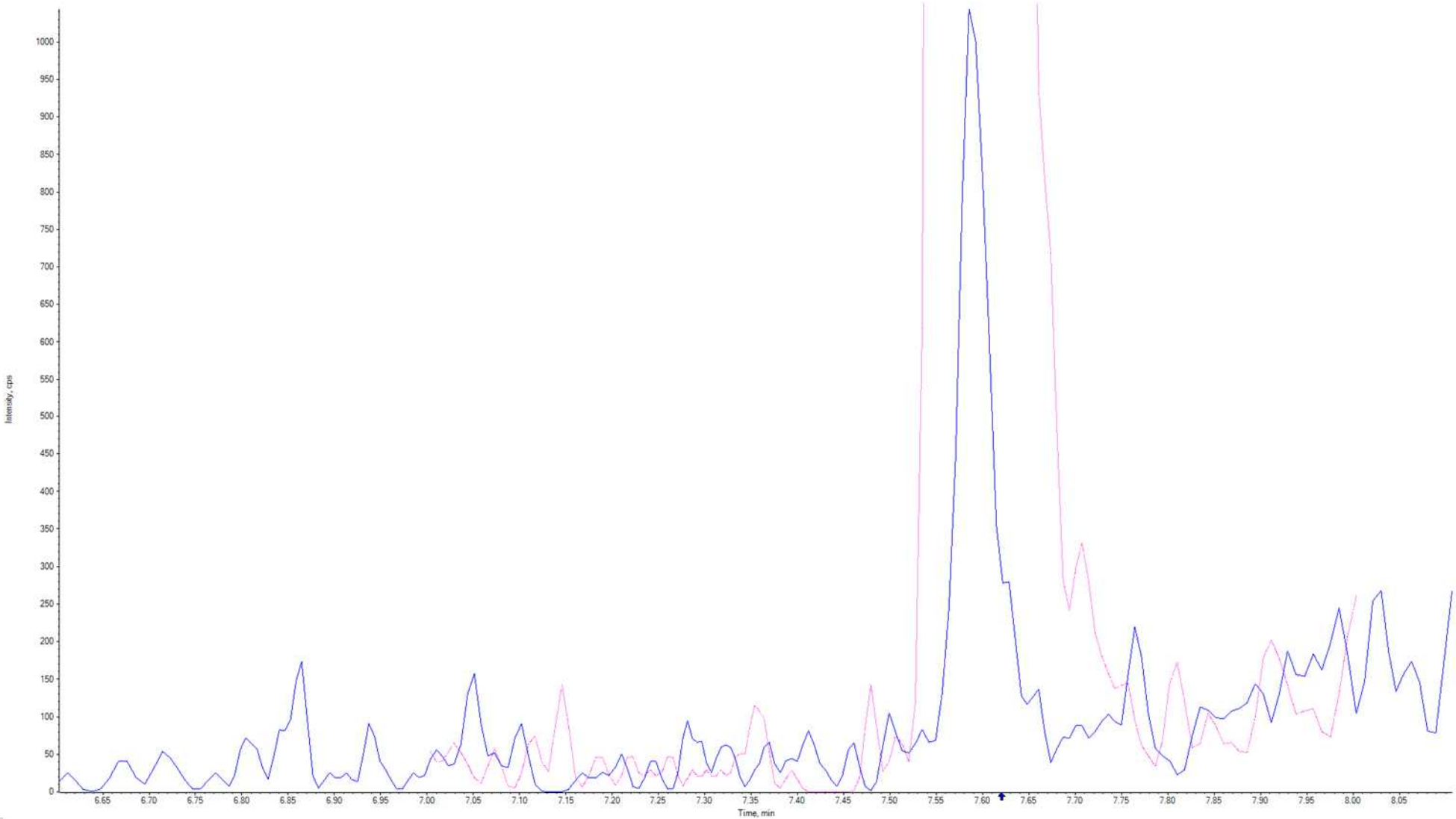

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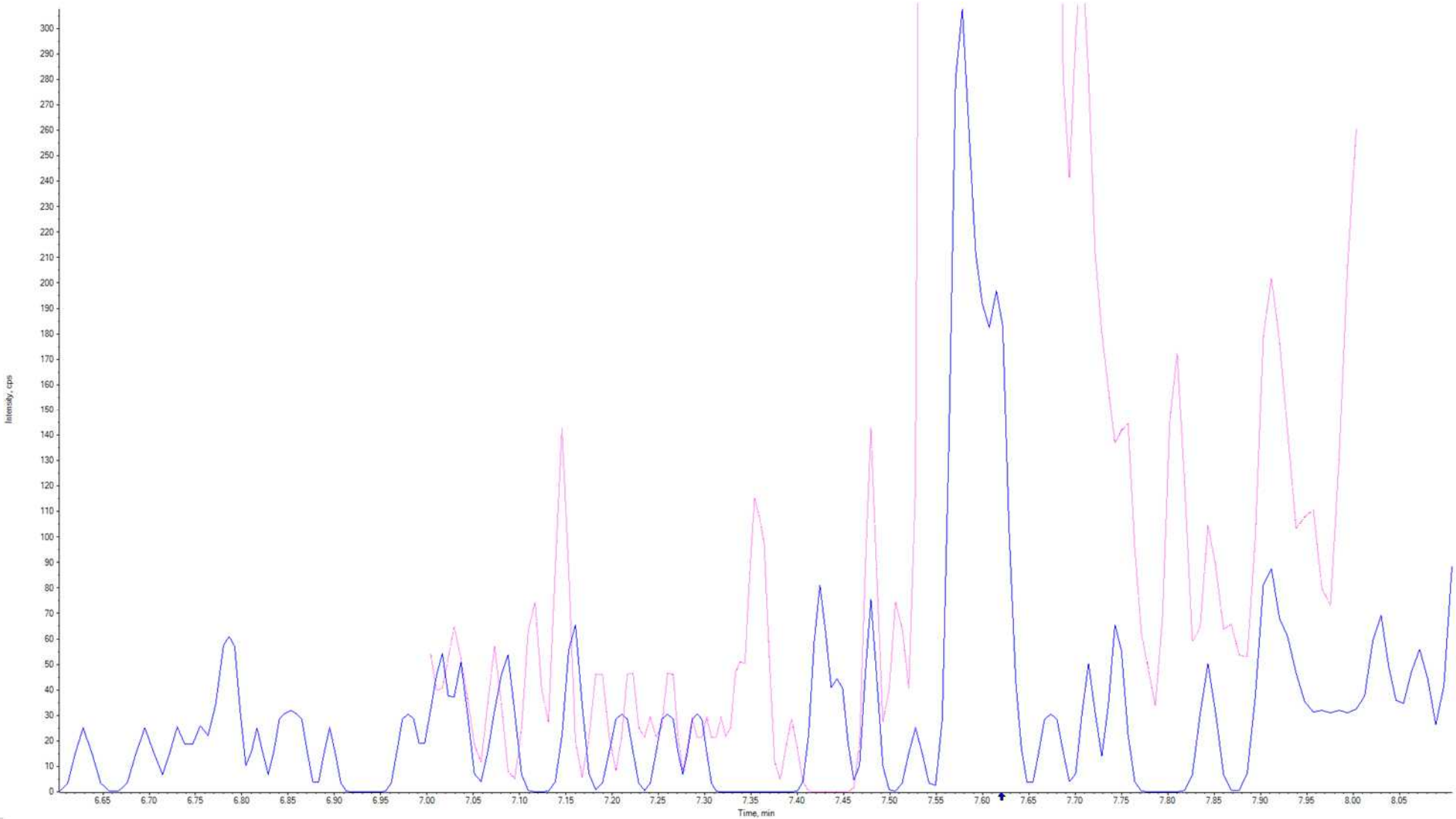

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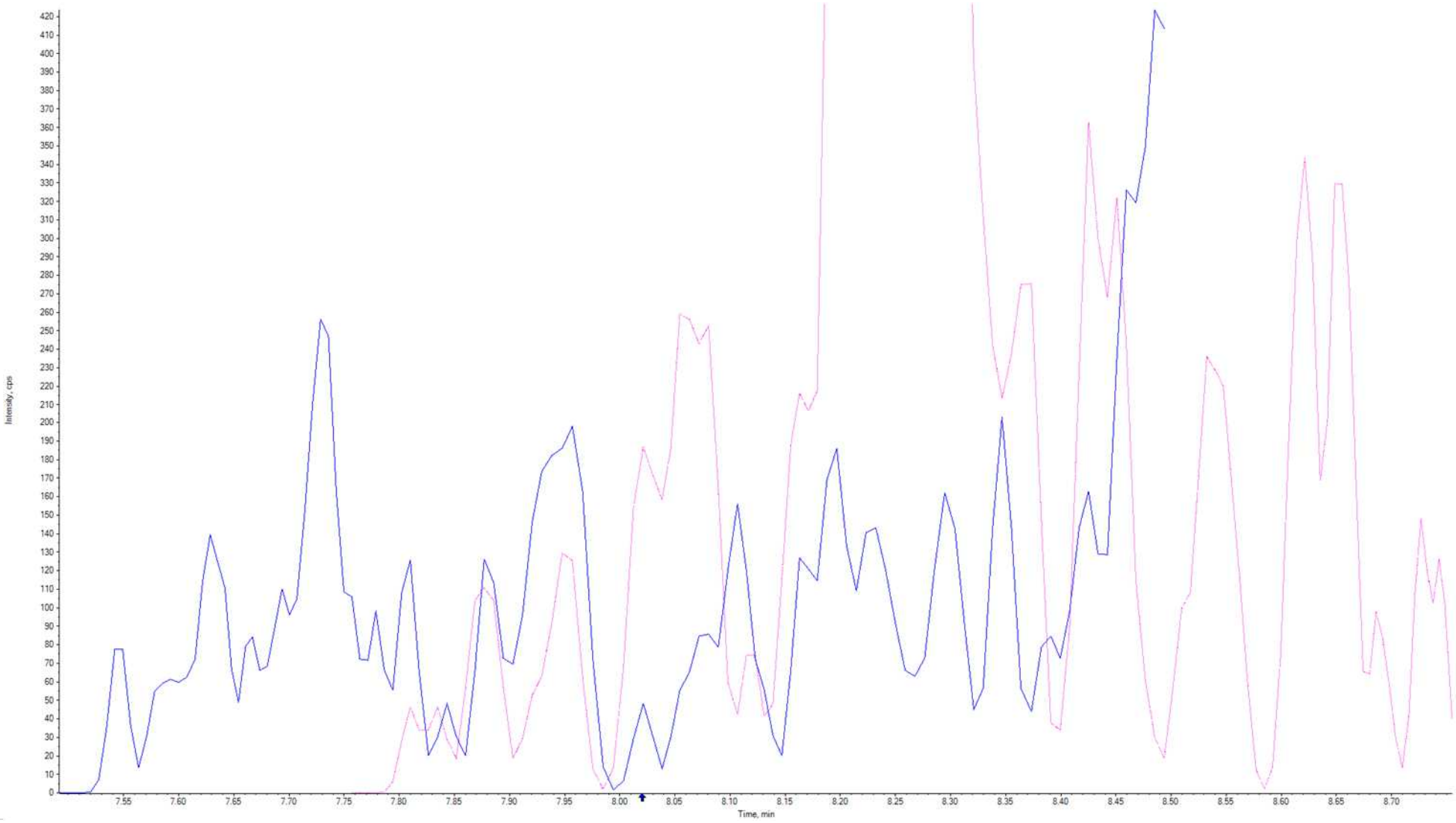

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PFHpS_2
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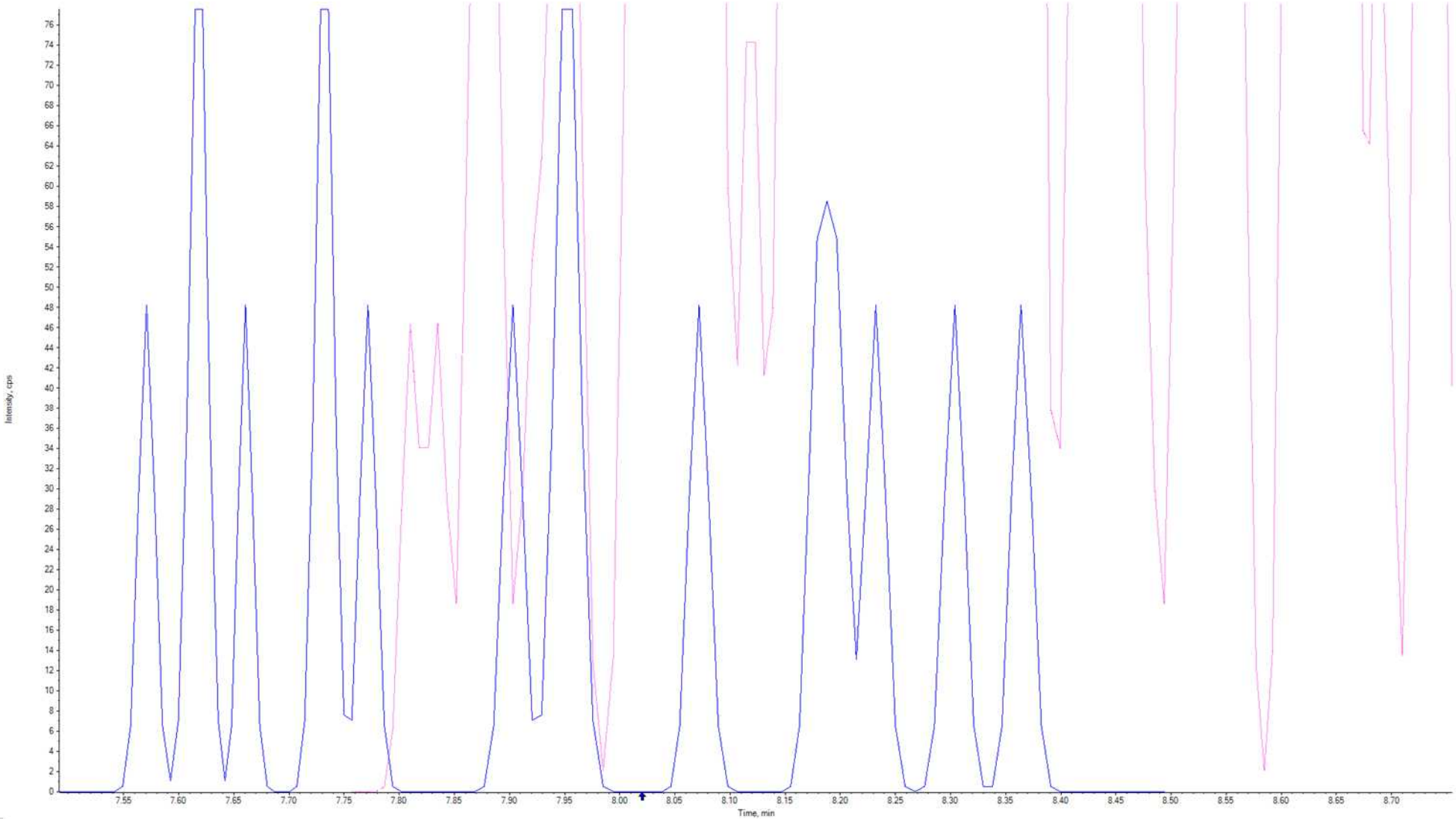

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PFOS
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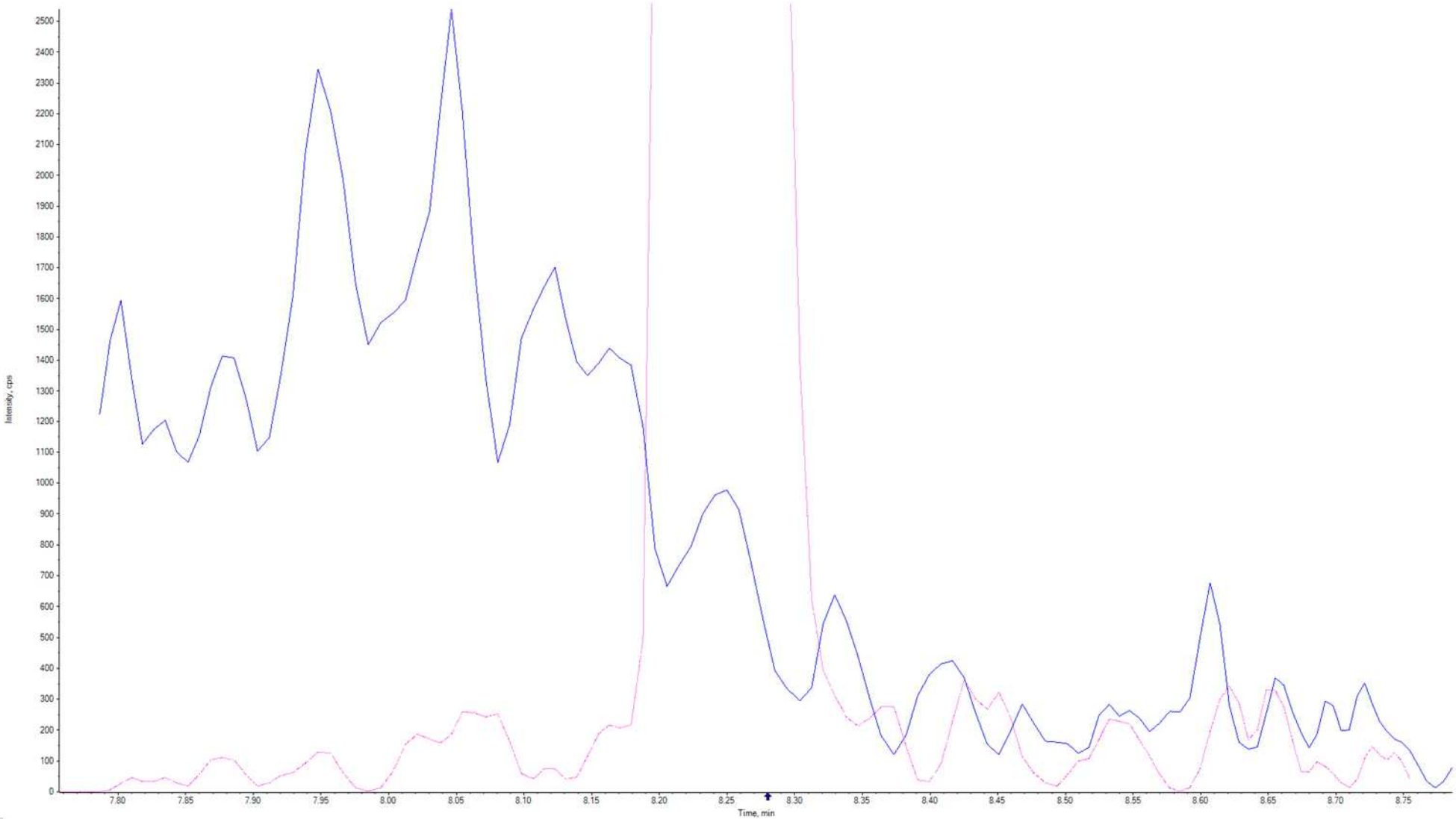

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PFOS_2
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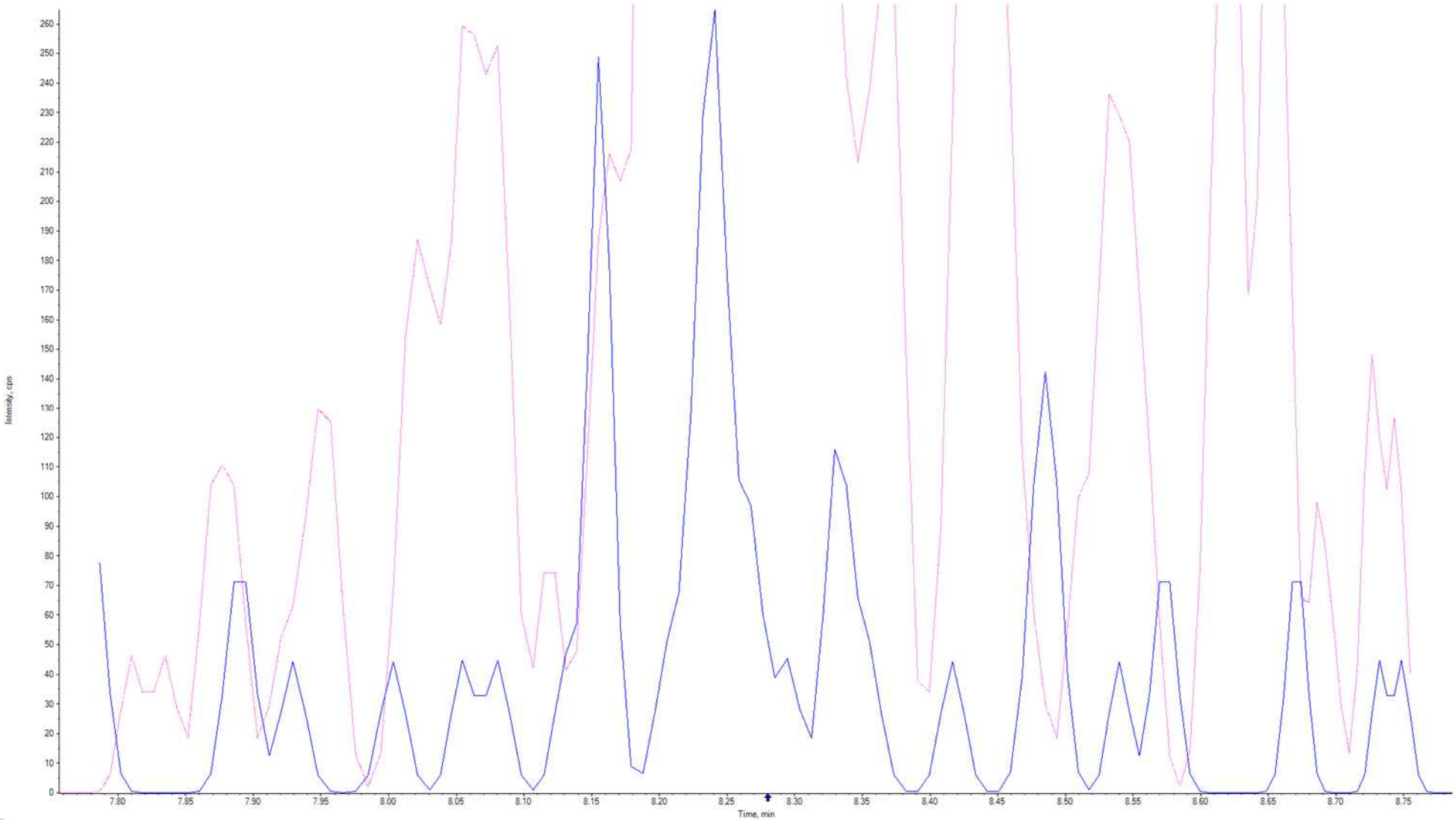

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PFNS
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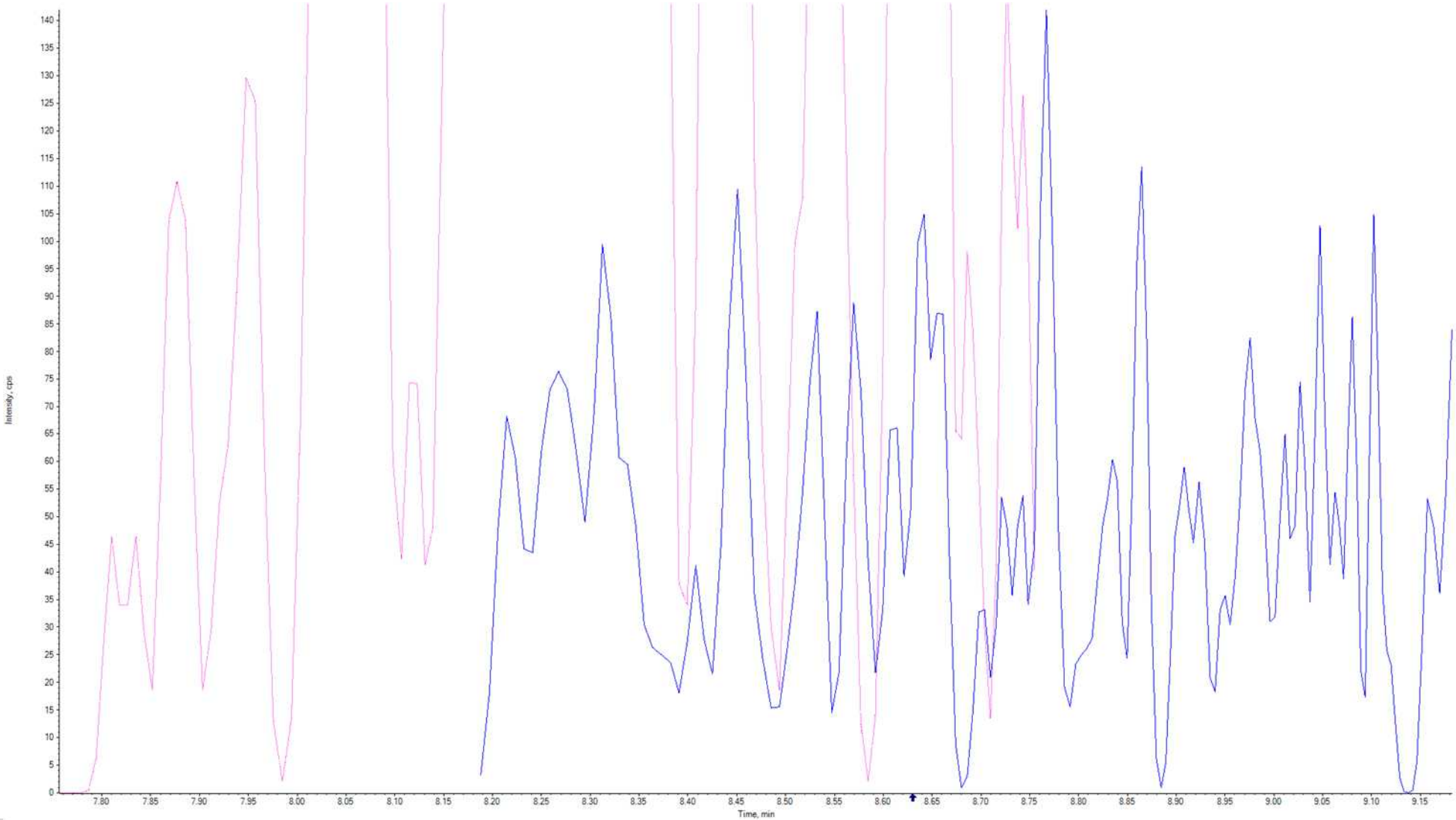

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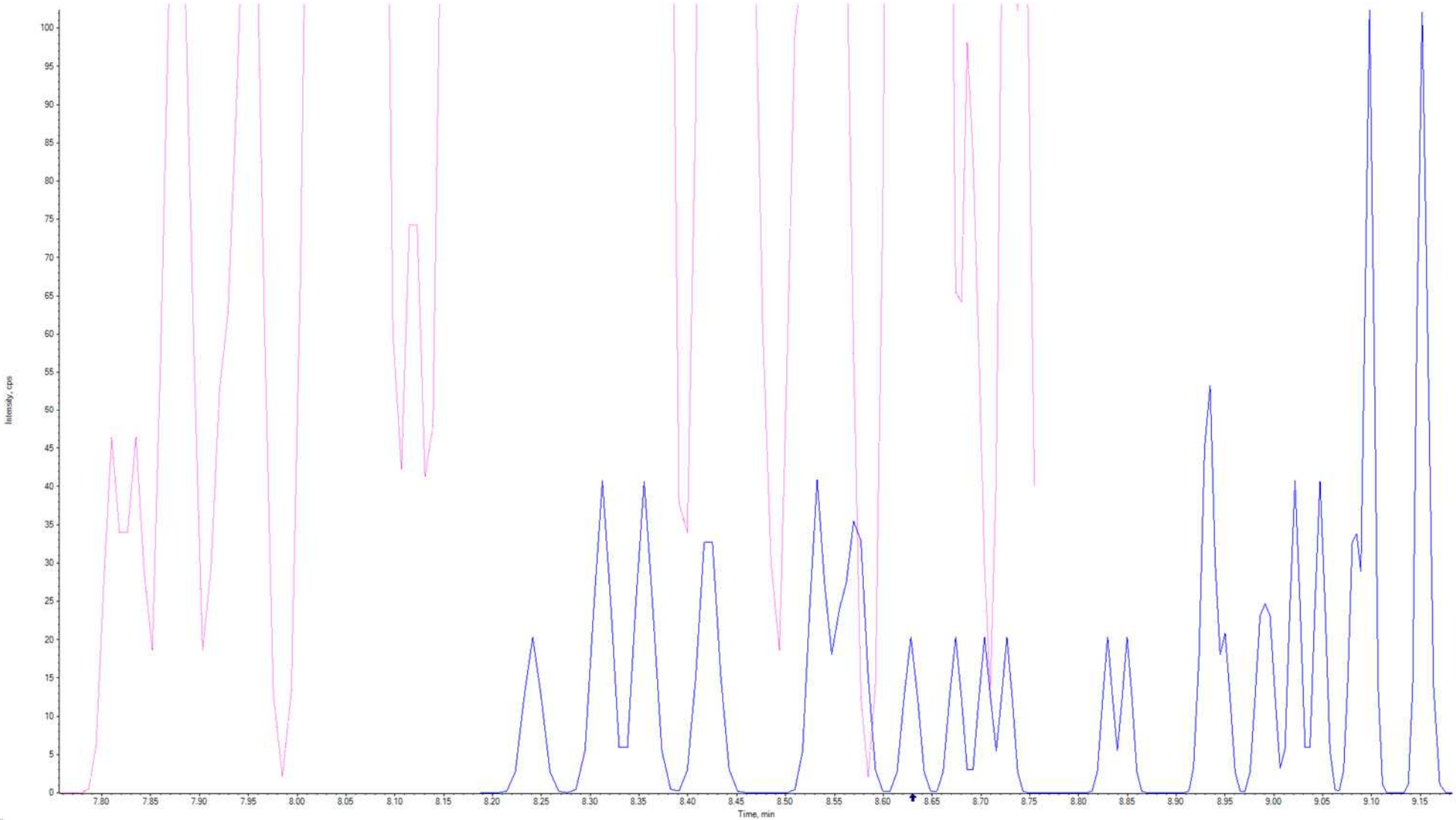

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PFDS
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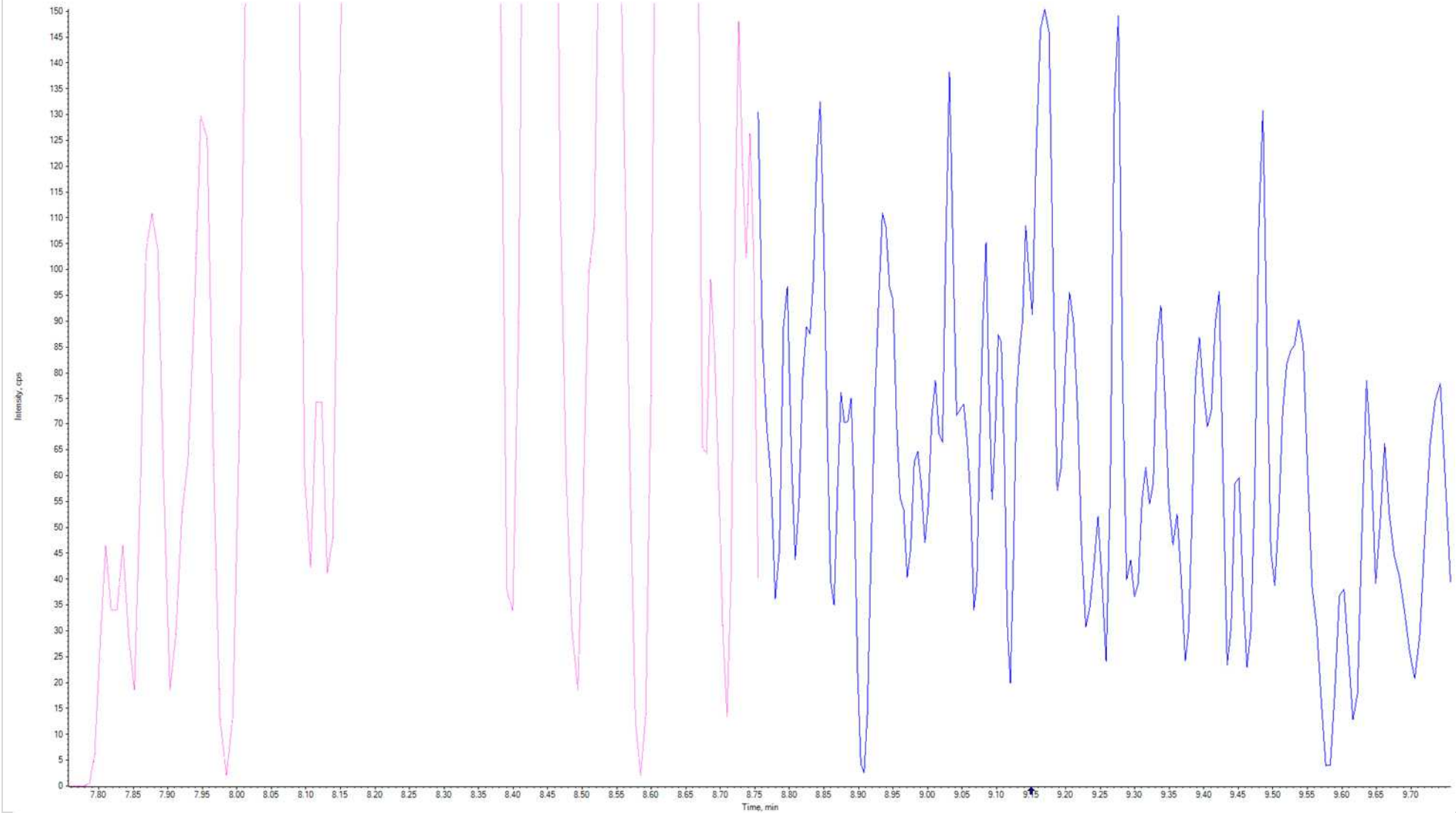

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDS_2
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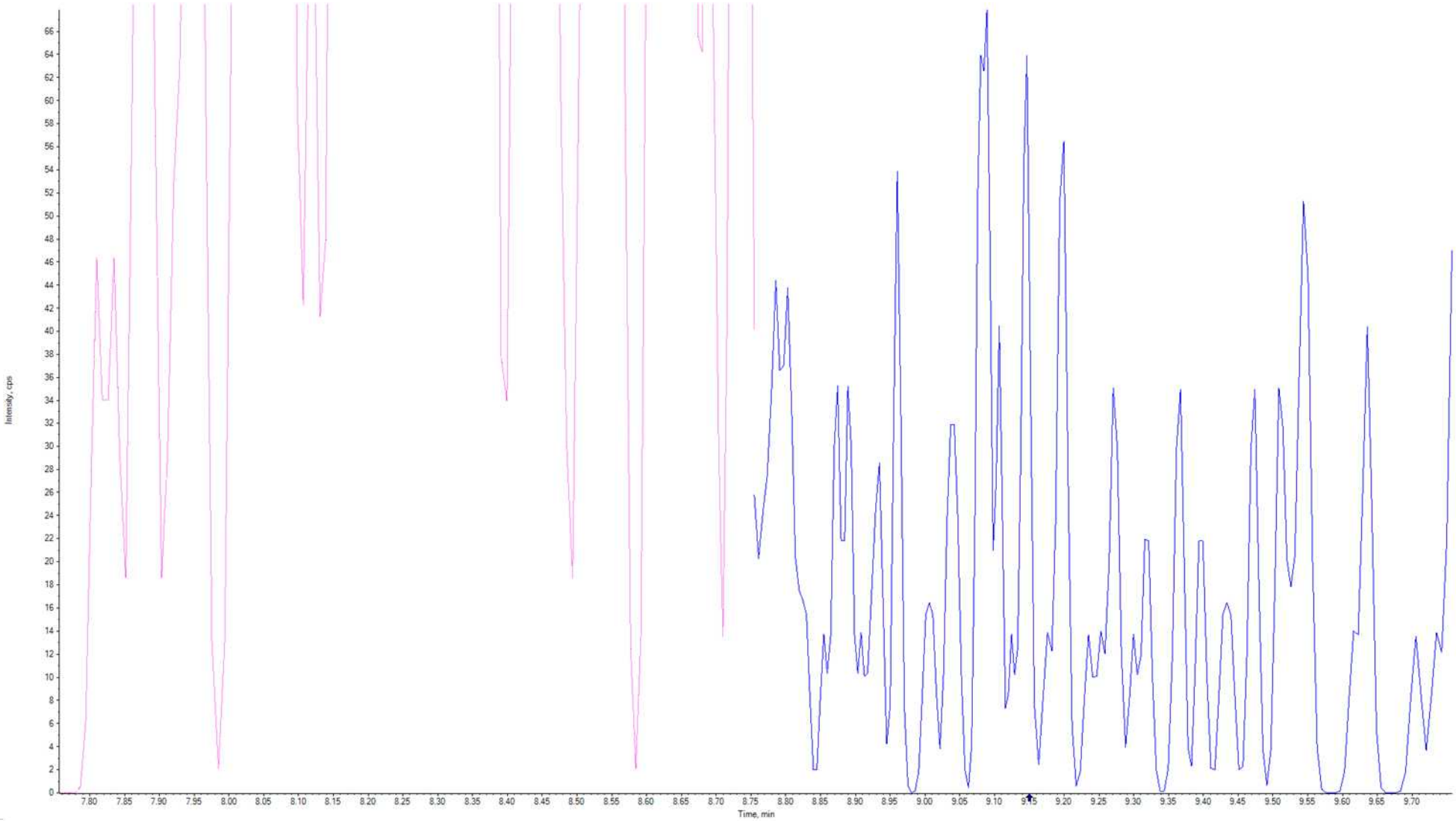

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PFDoS
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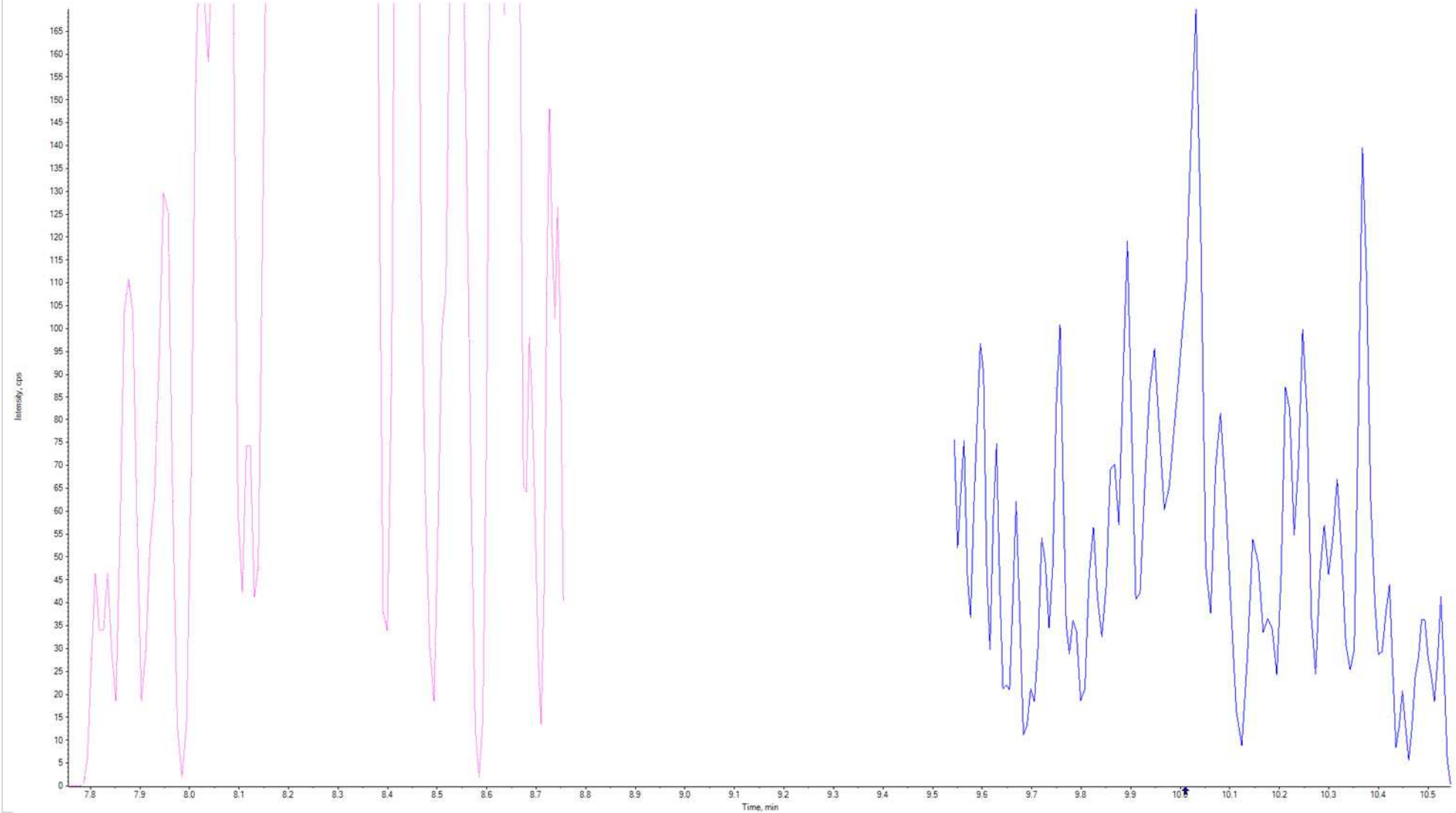

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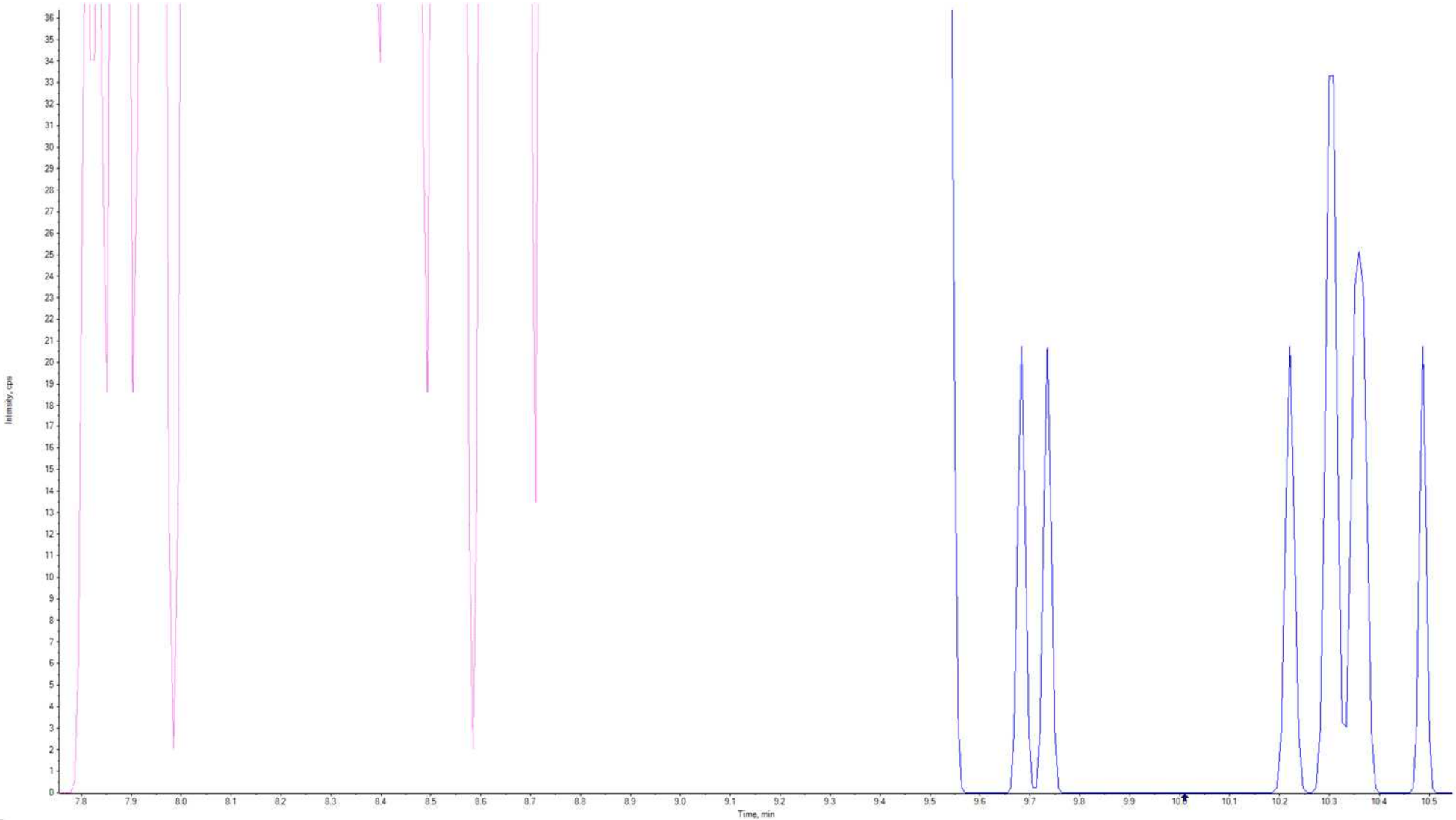
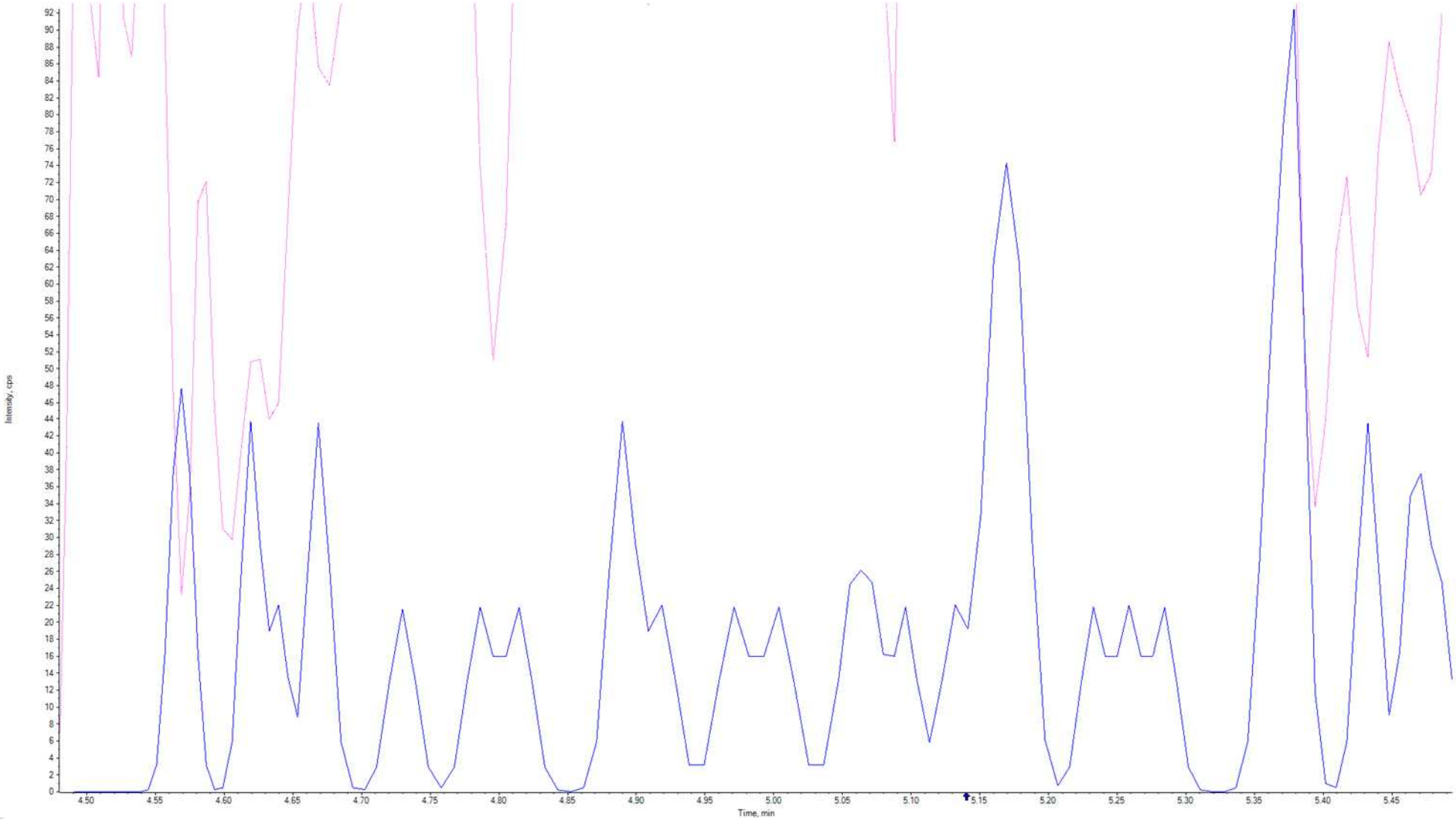


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



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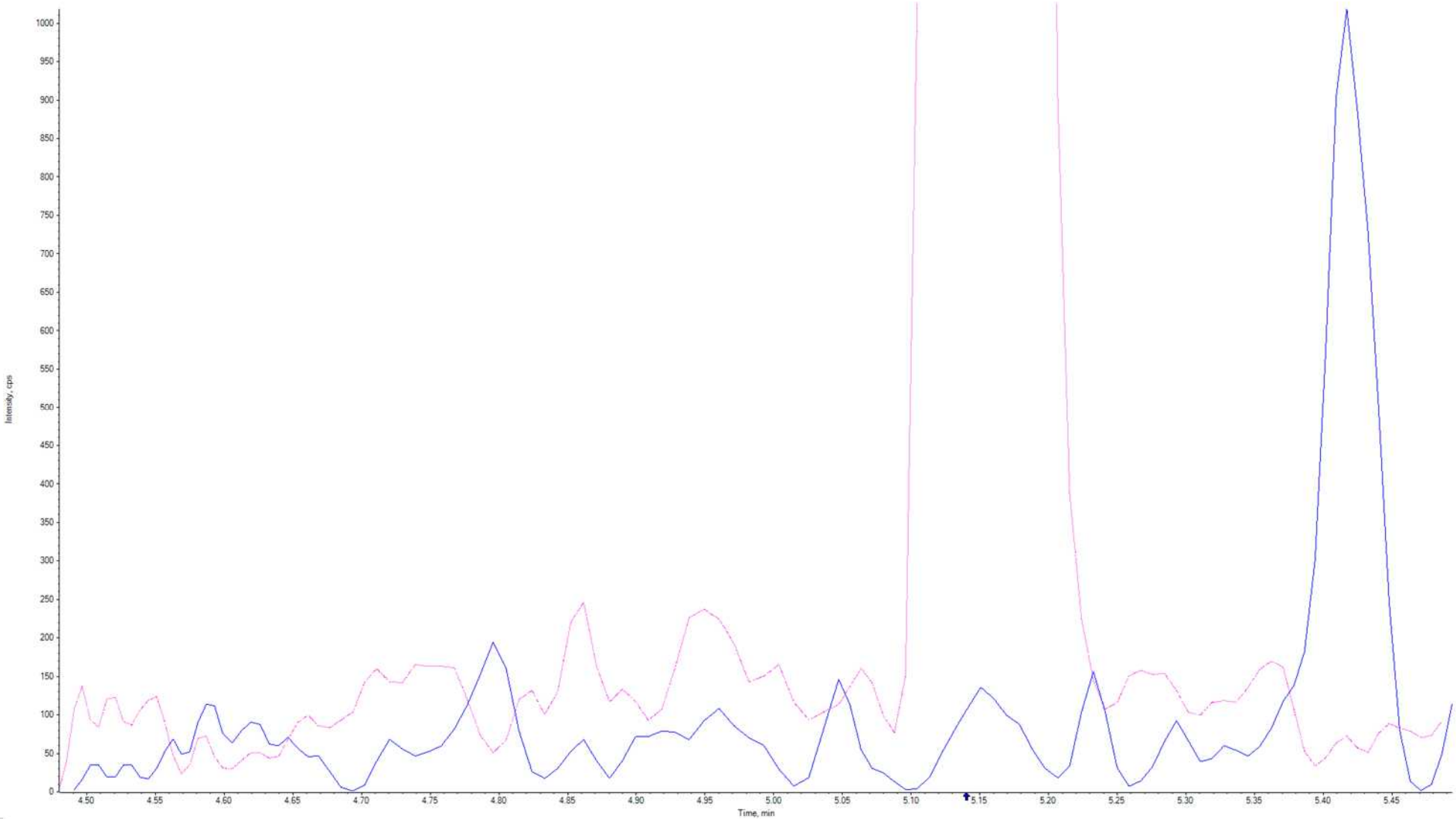

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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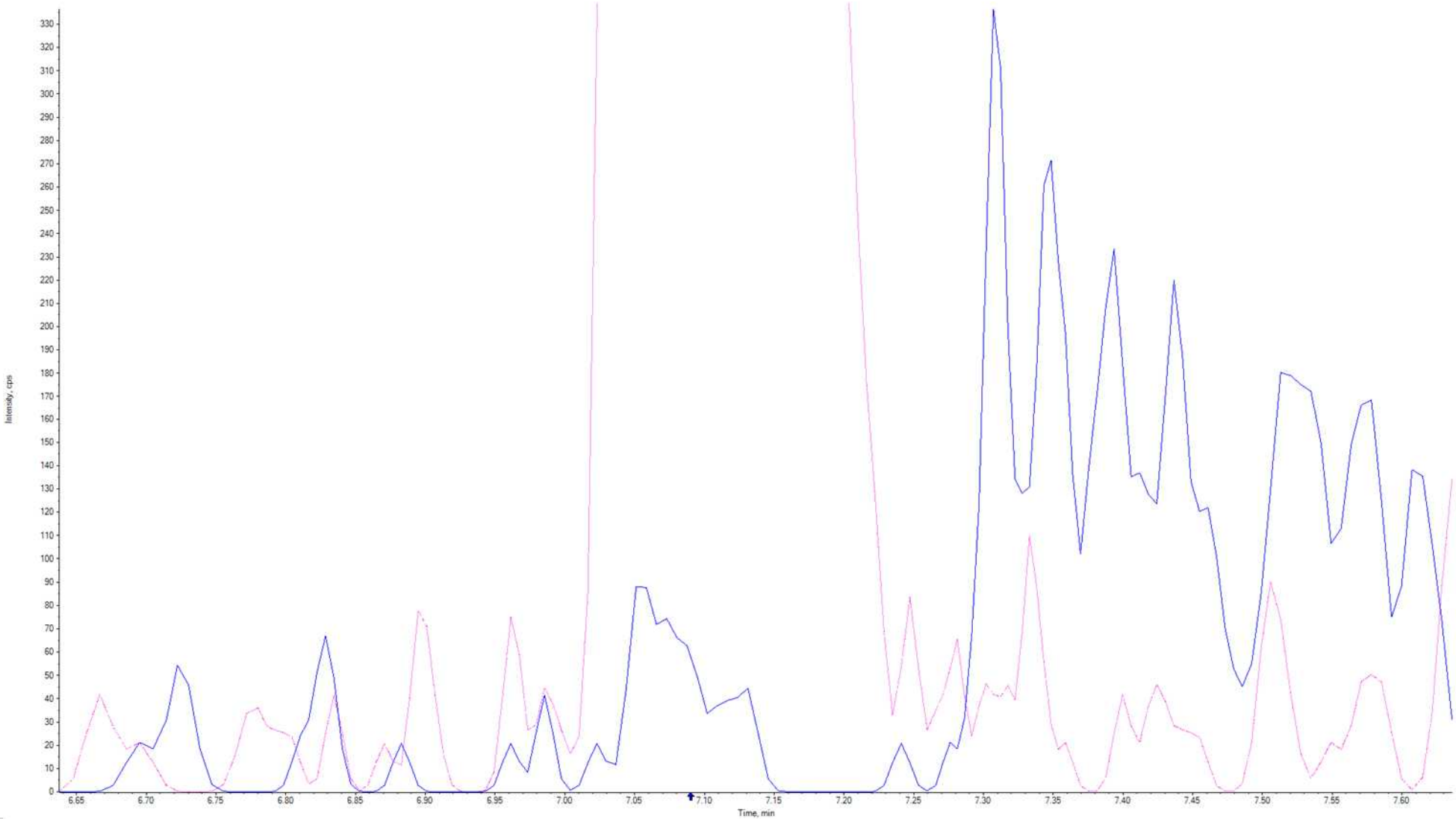
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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6:2FTS_2
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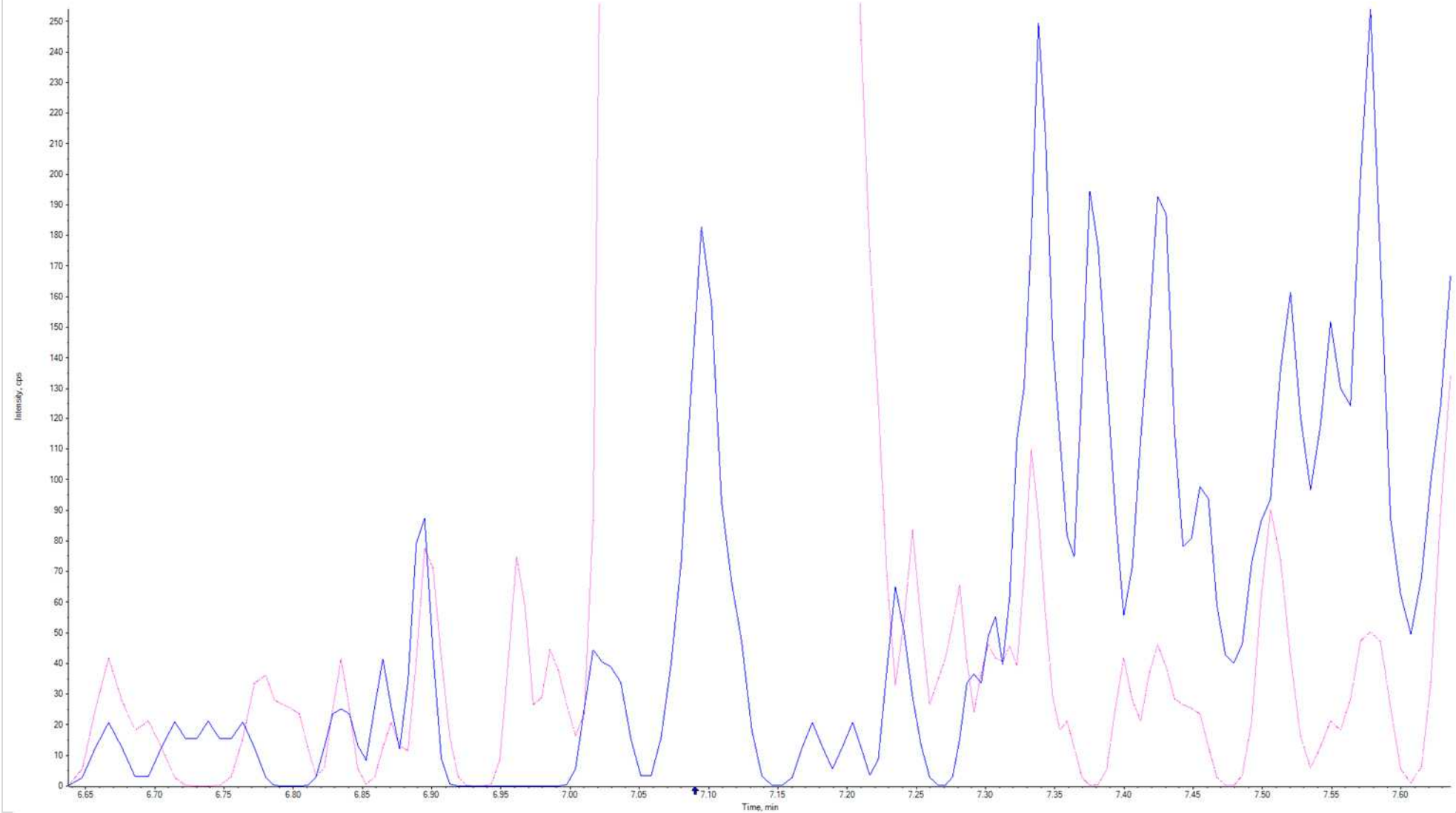

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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8:2FTS
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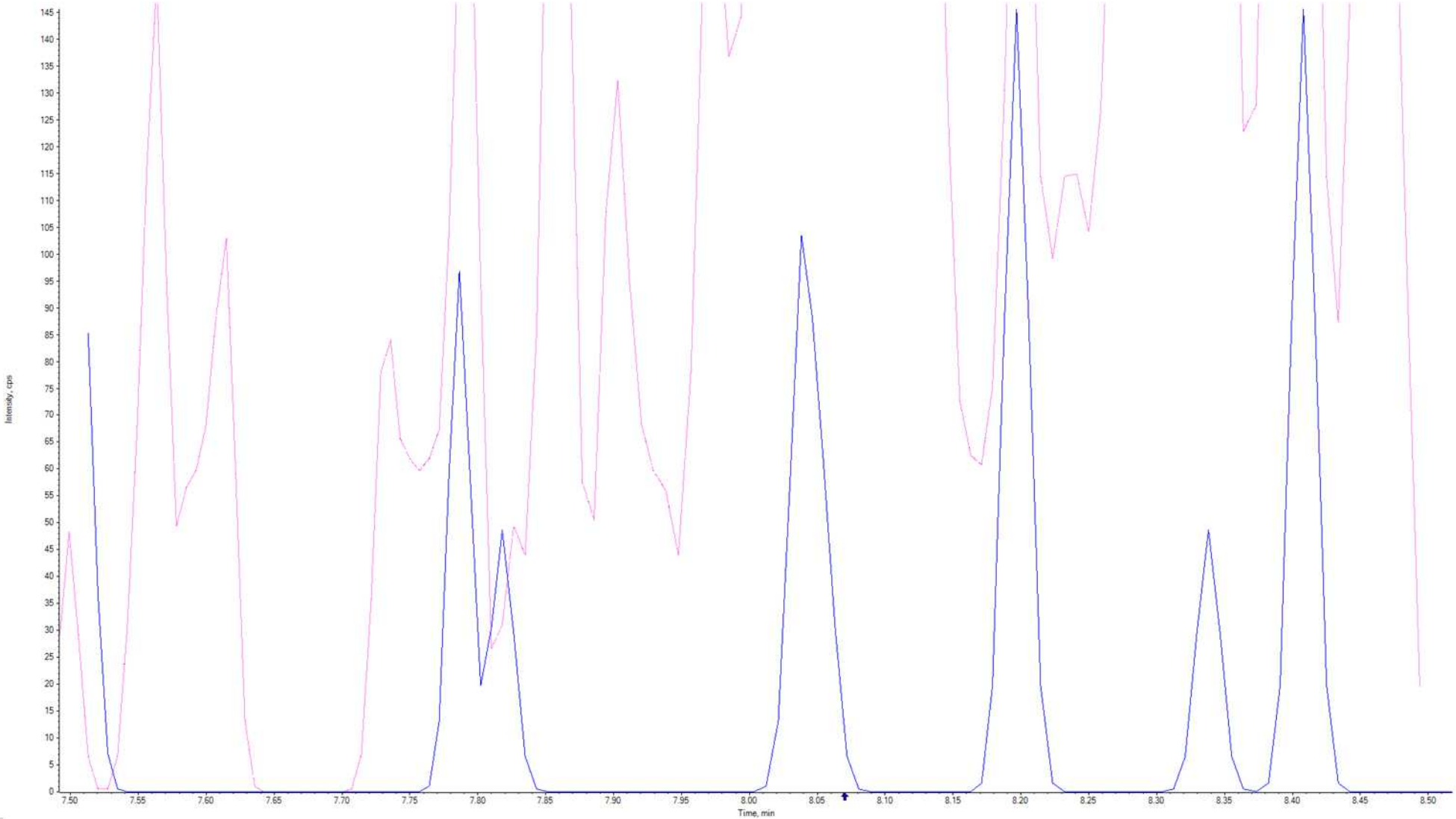

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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8:2FTS_2
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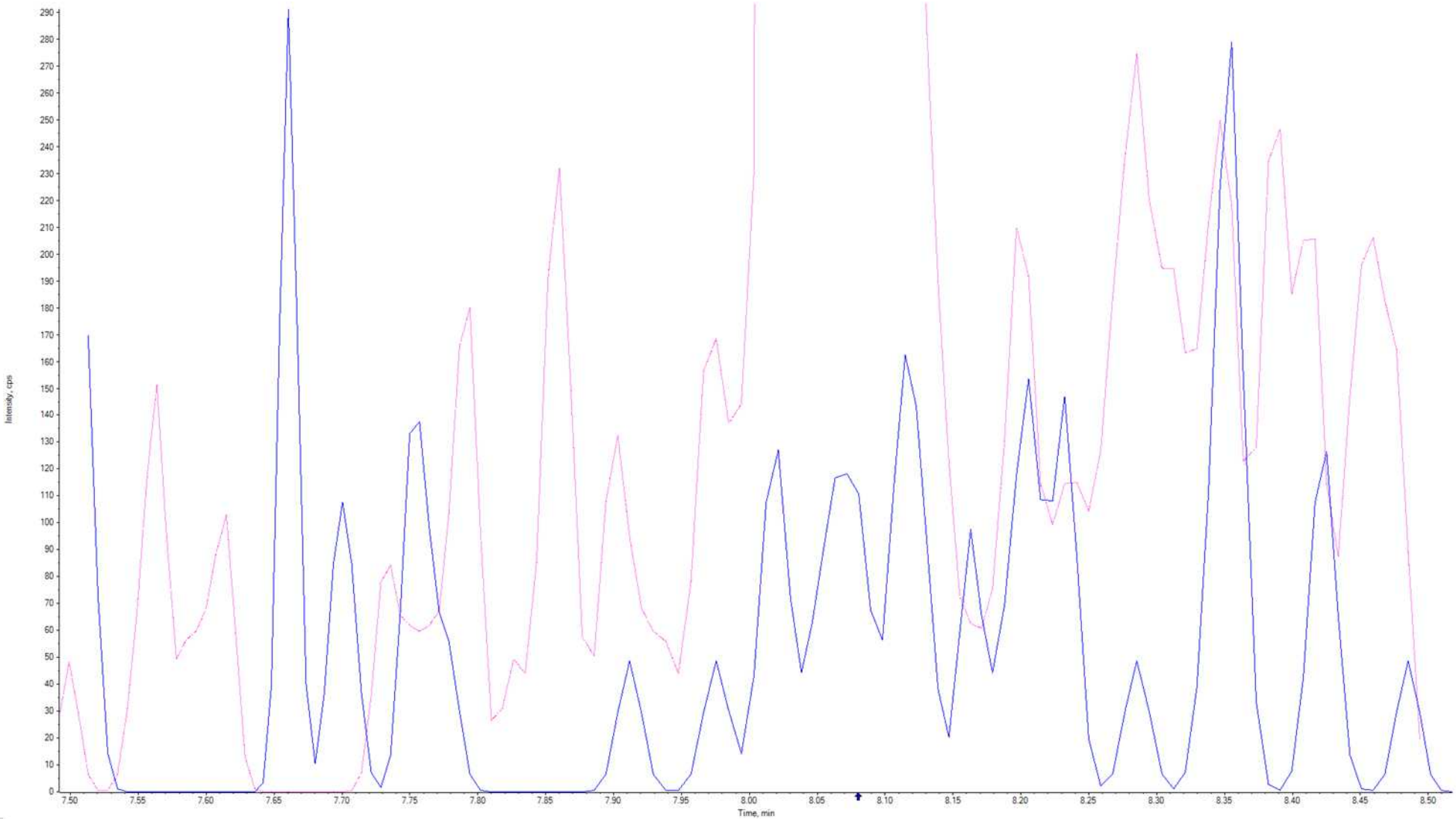

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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PFOSA
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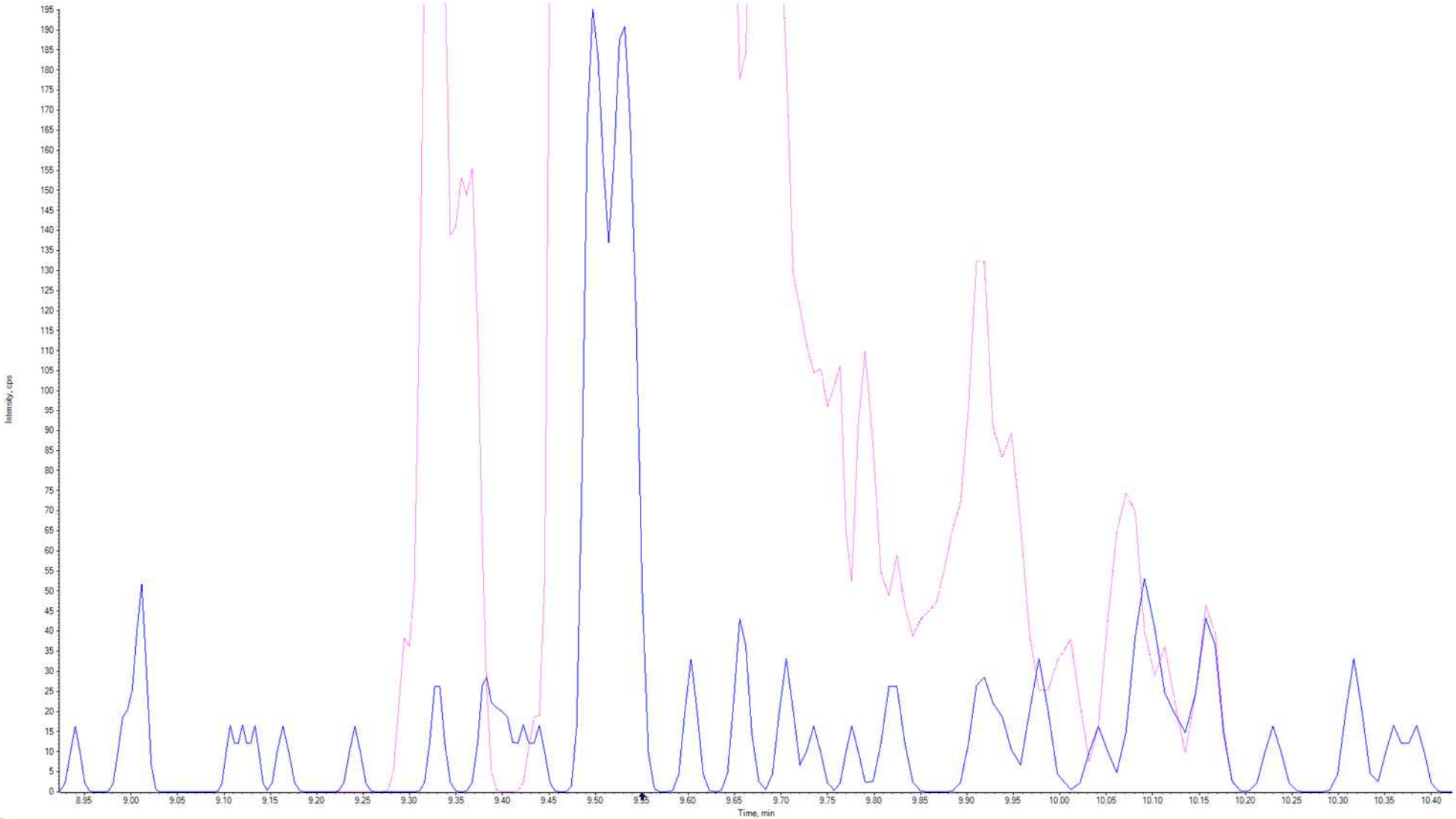

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PFOSA_2
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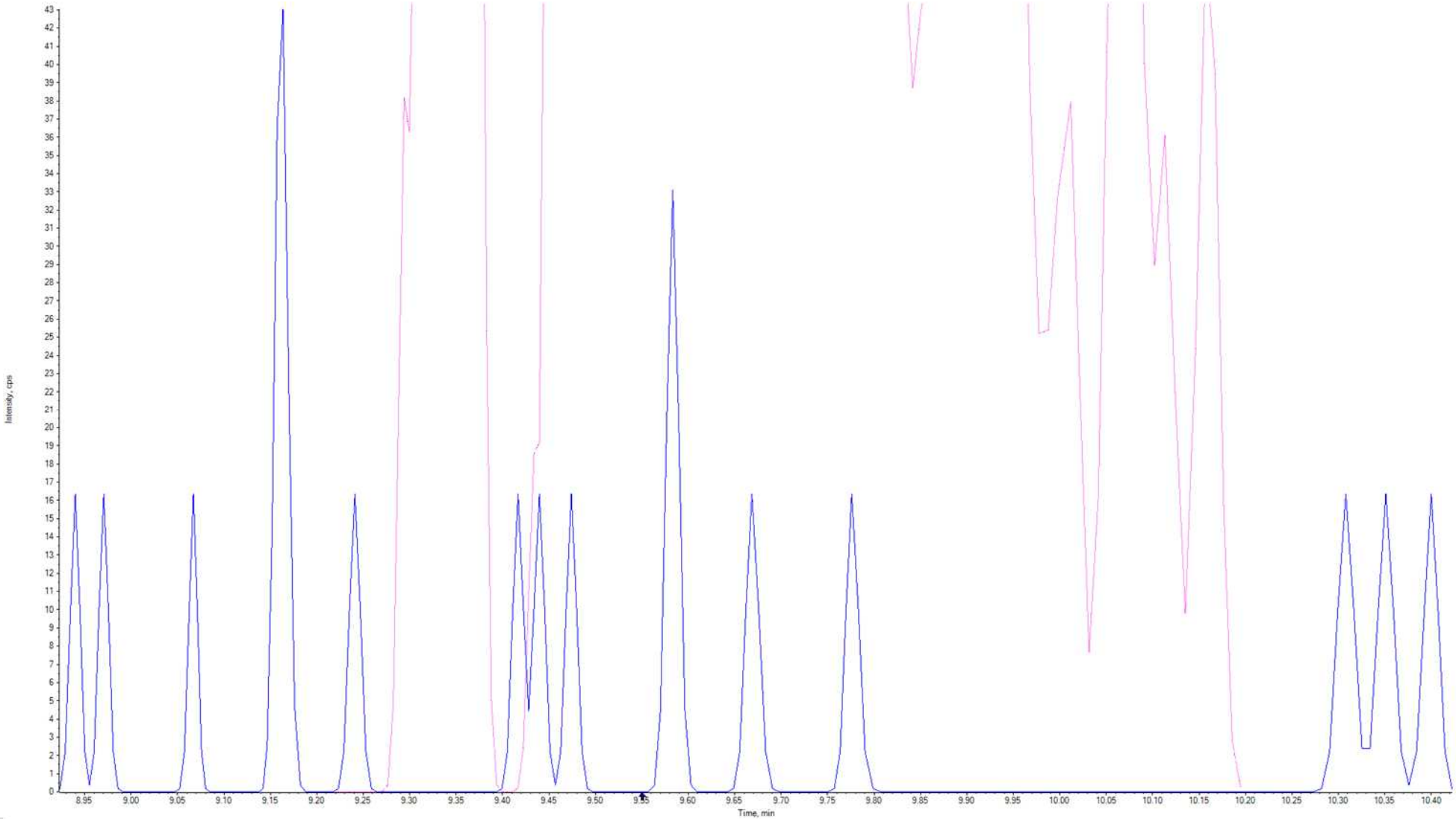

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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NMeFOSA
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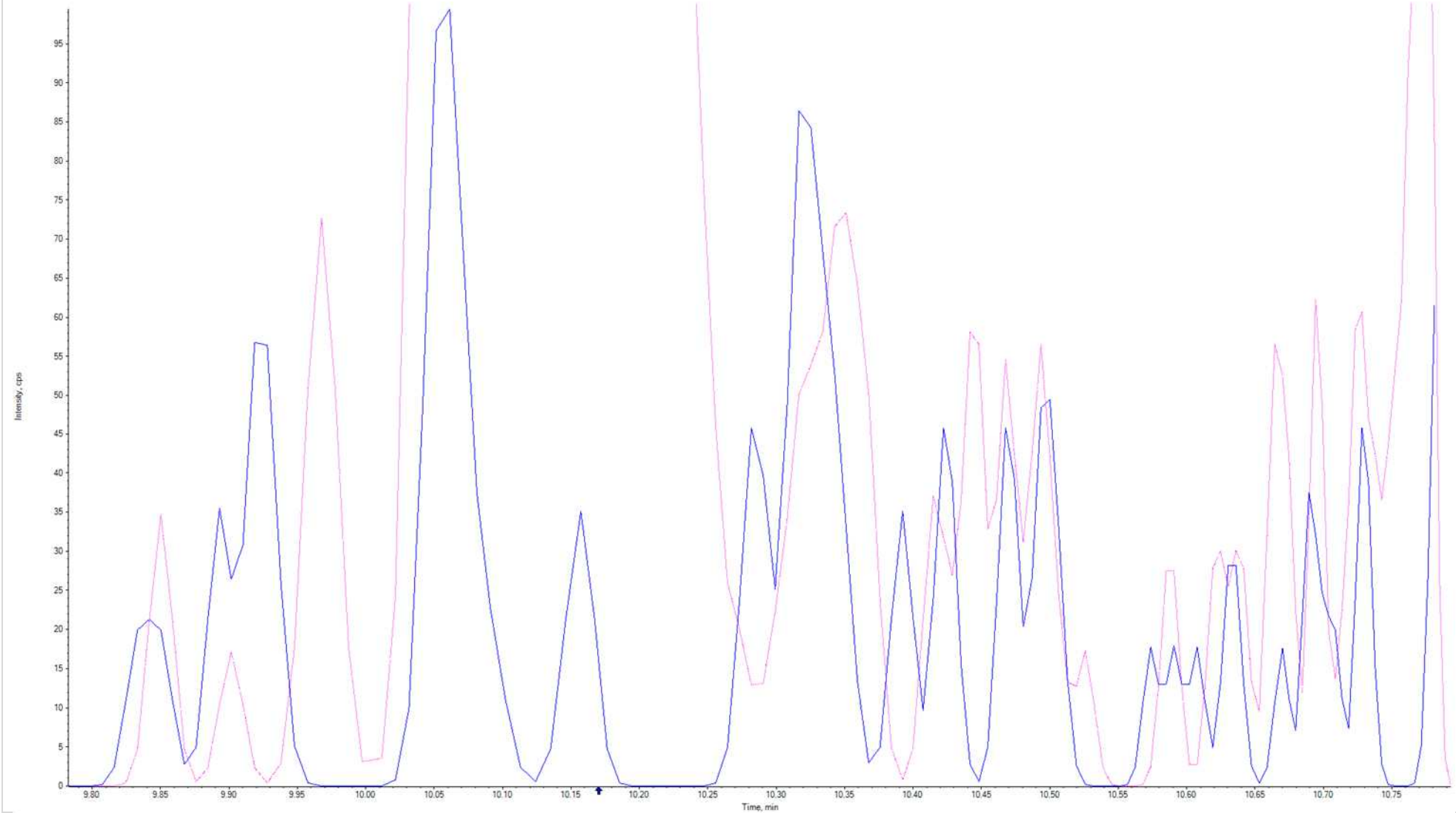

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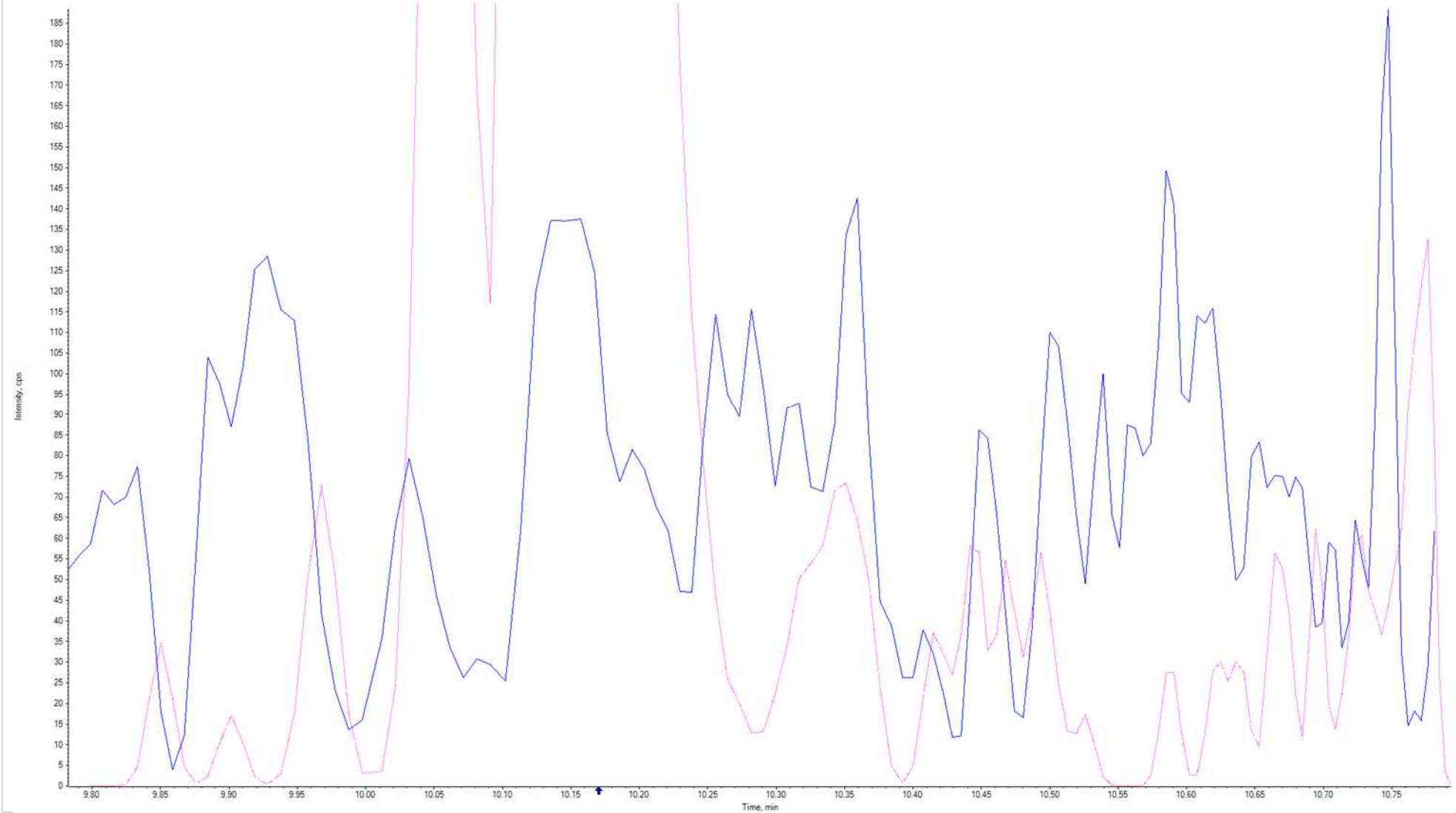

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NEtFOSA
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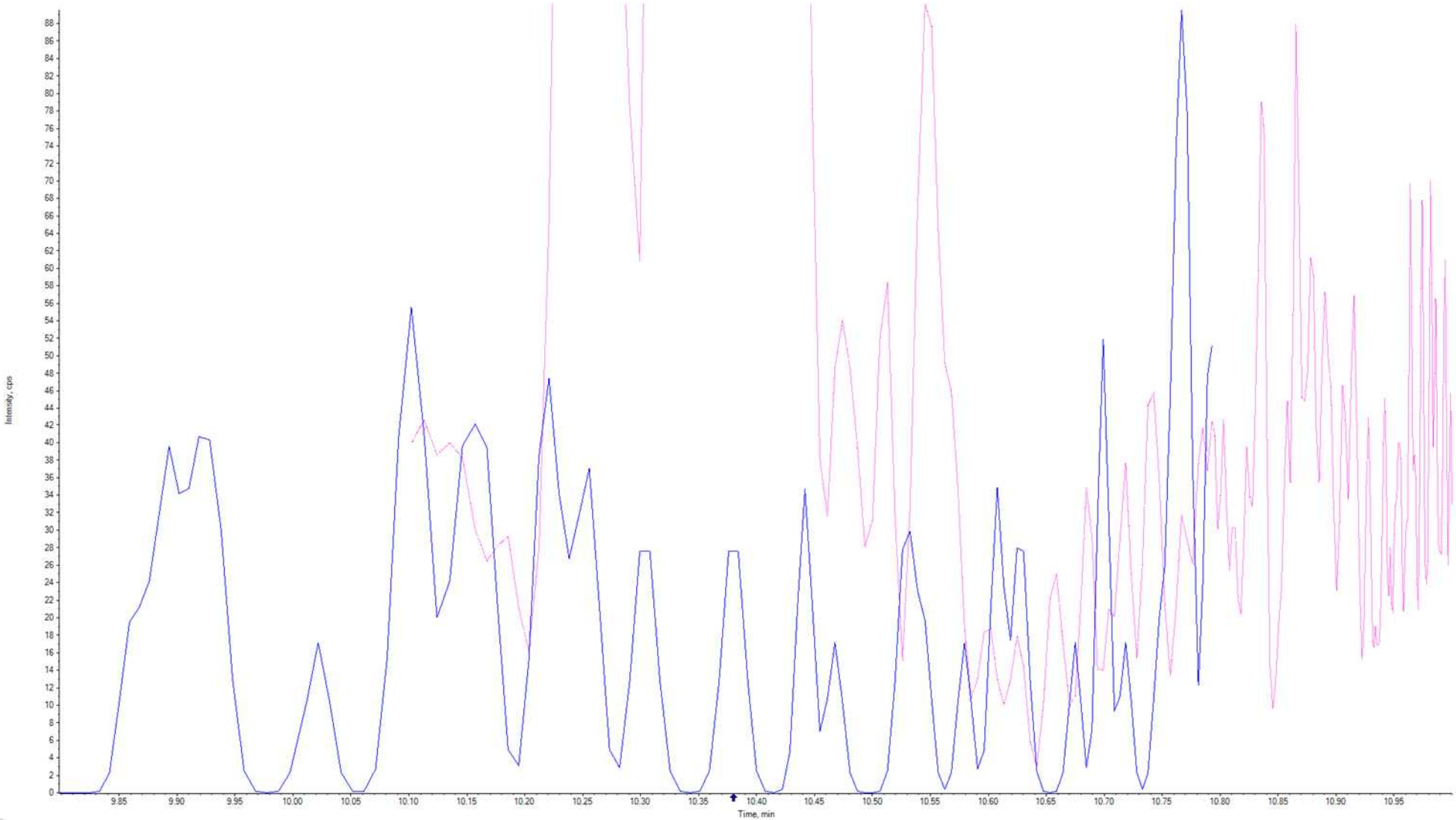

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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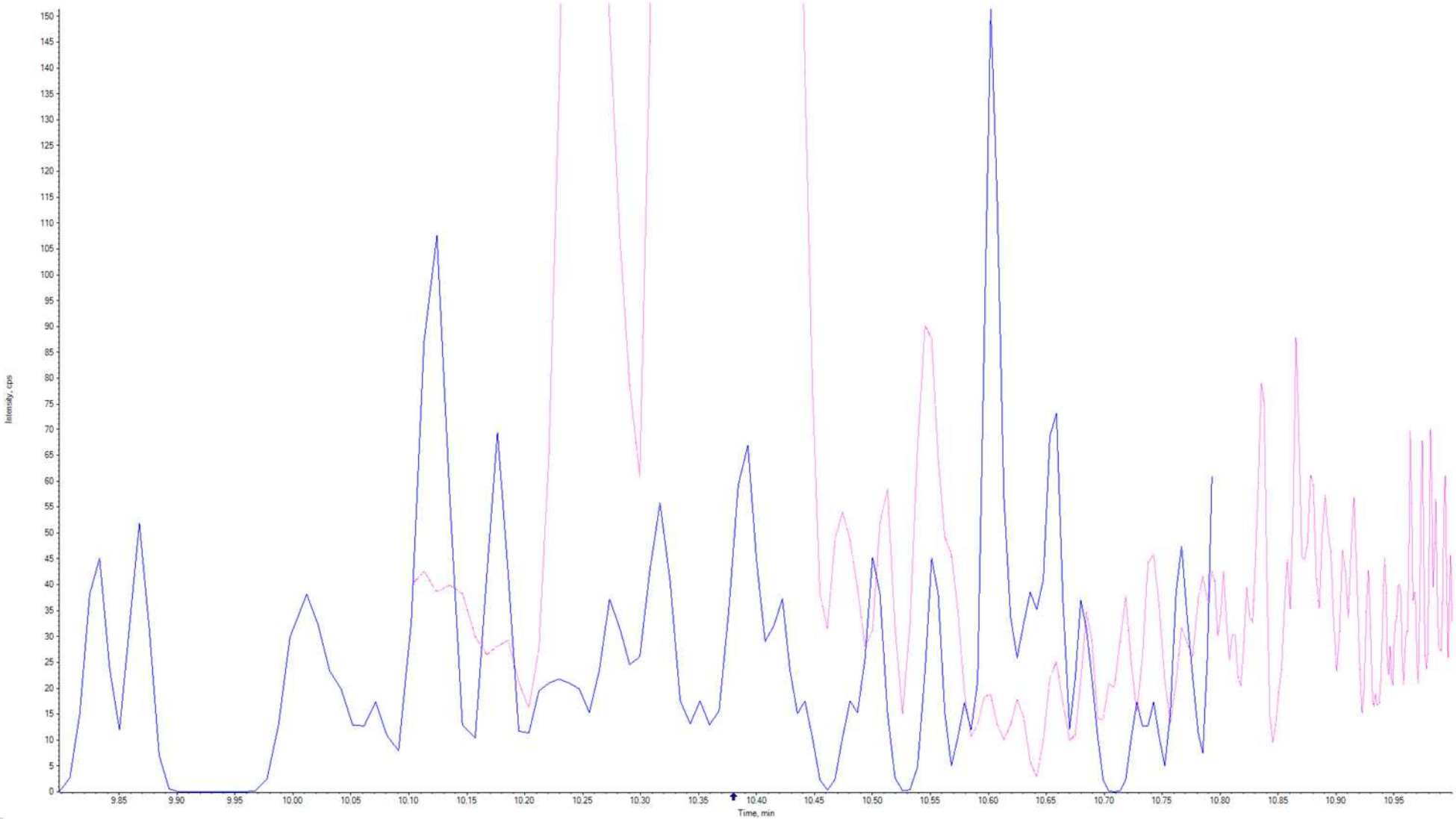

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NMeFOSAA
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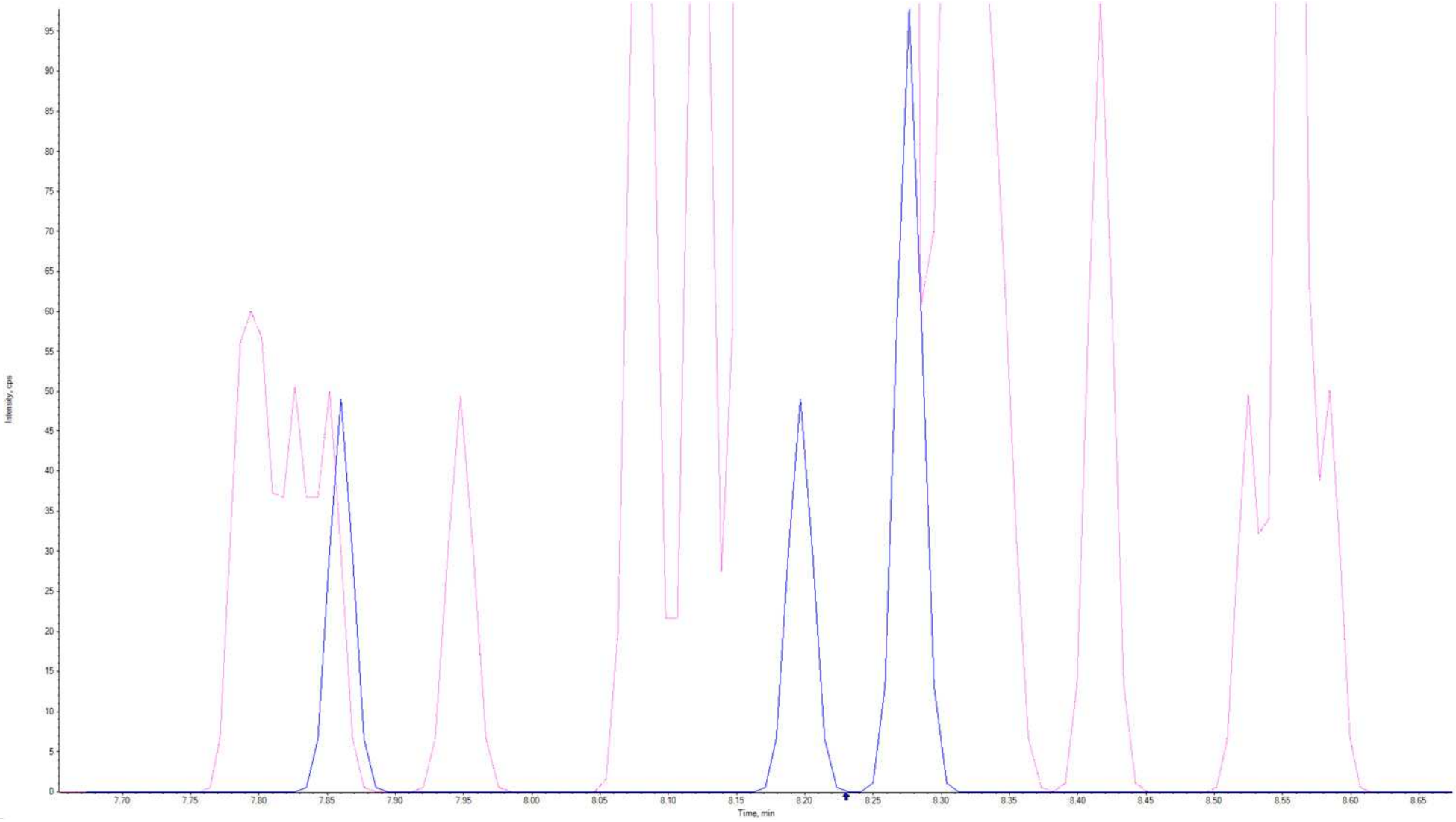

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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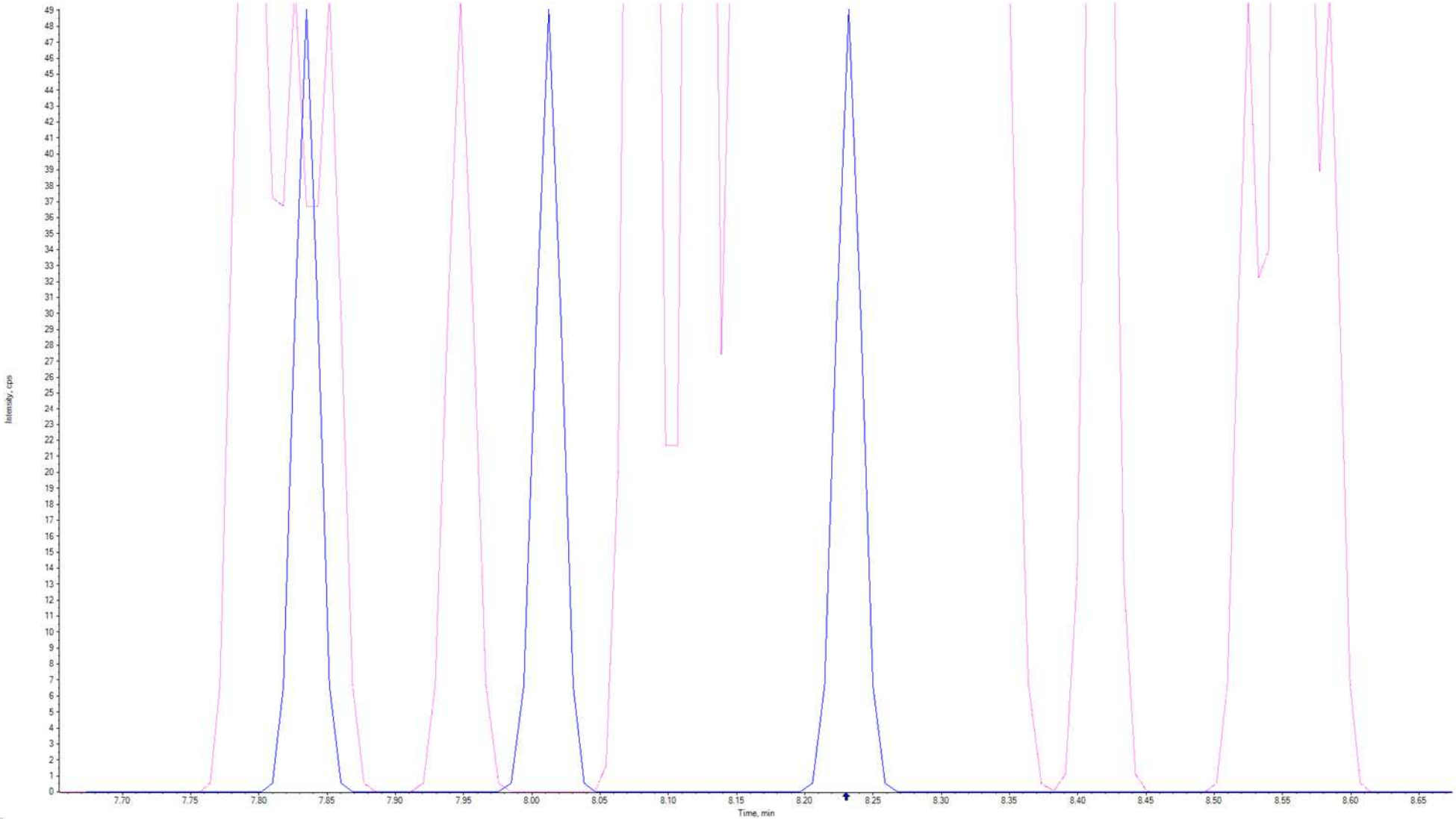

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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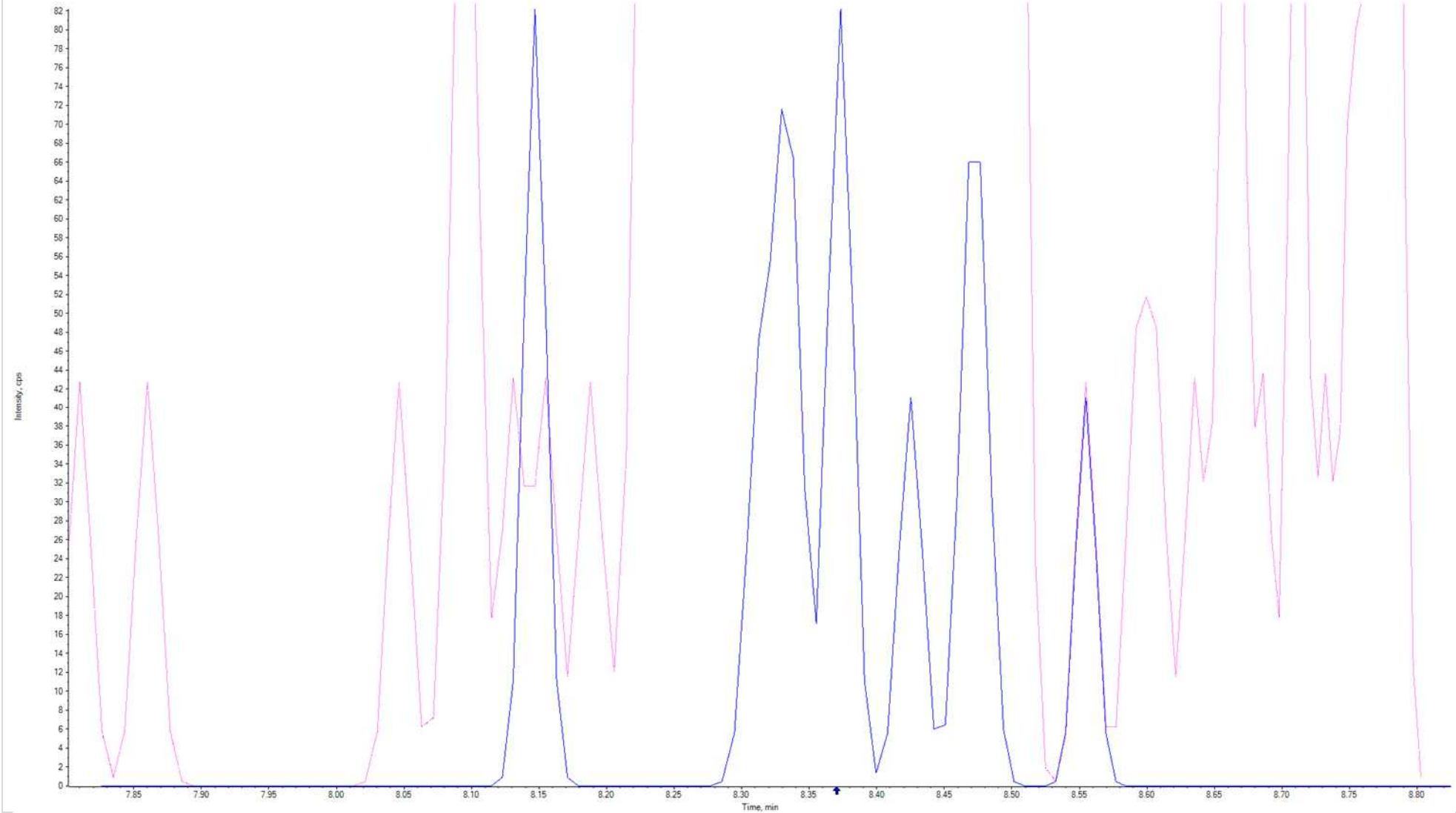

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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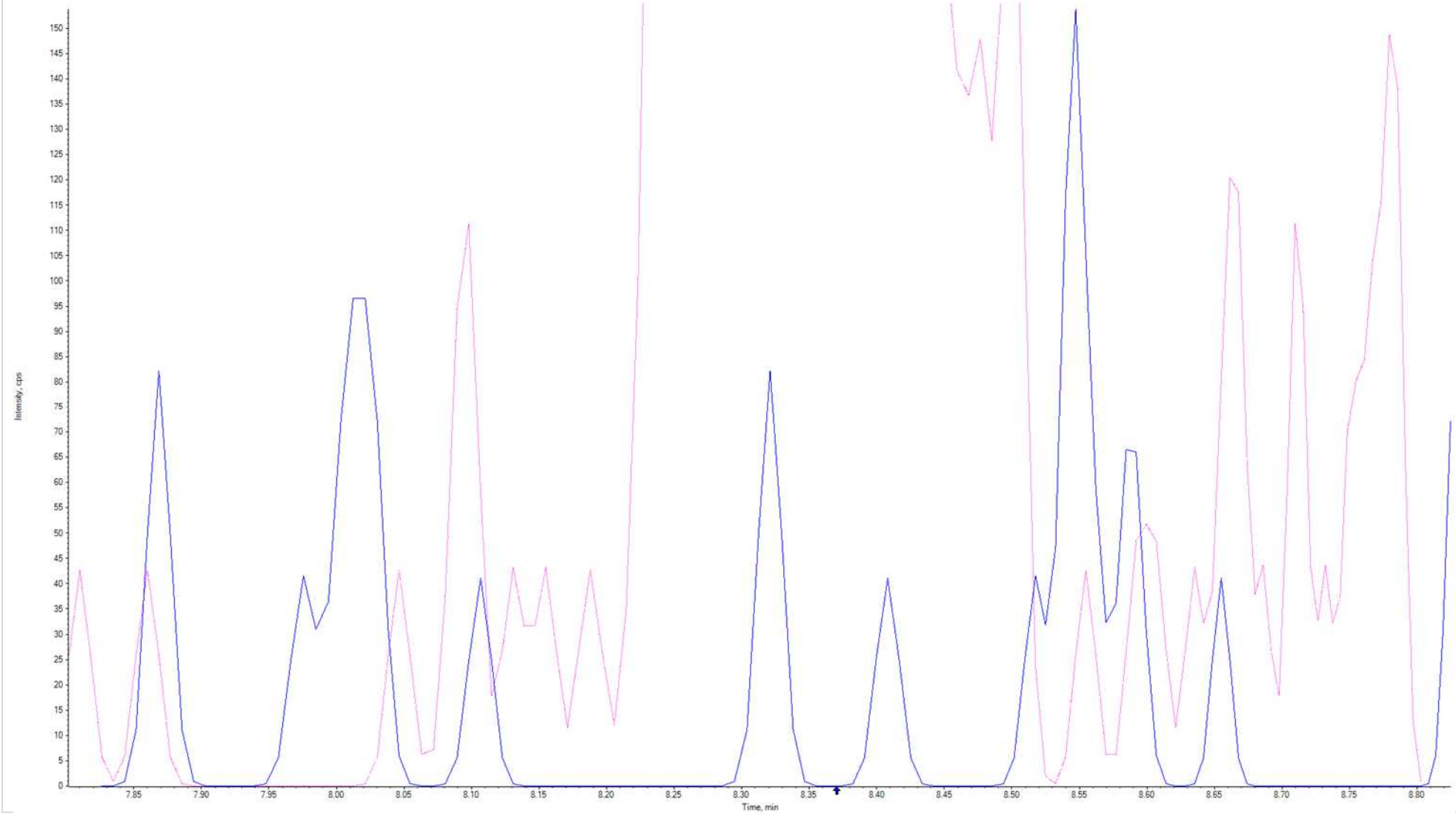

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NMeFOSE
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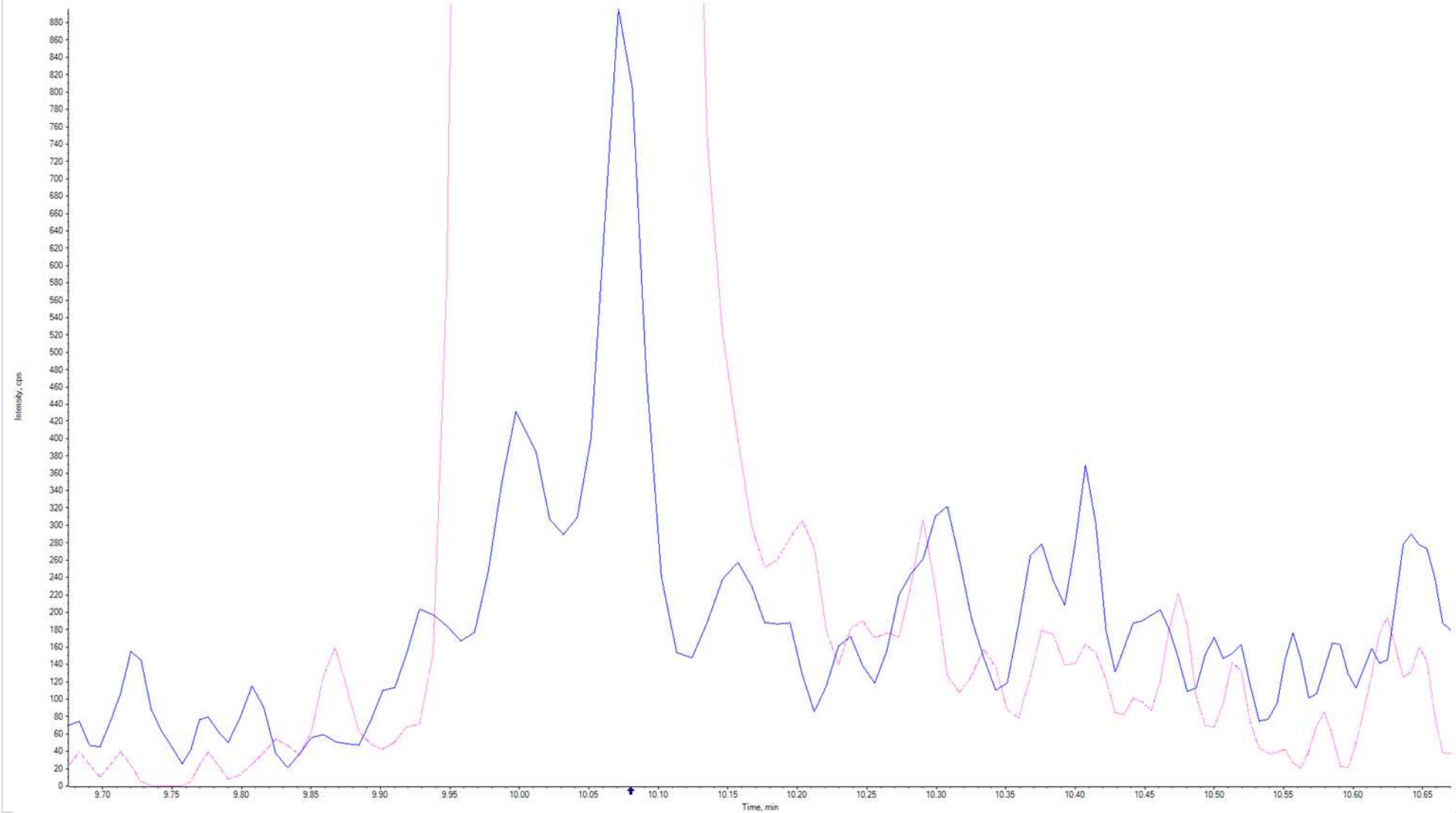

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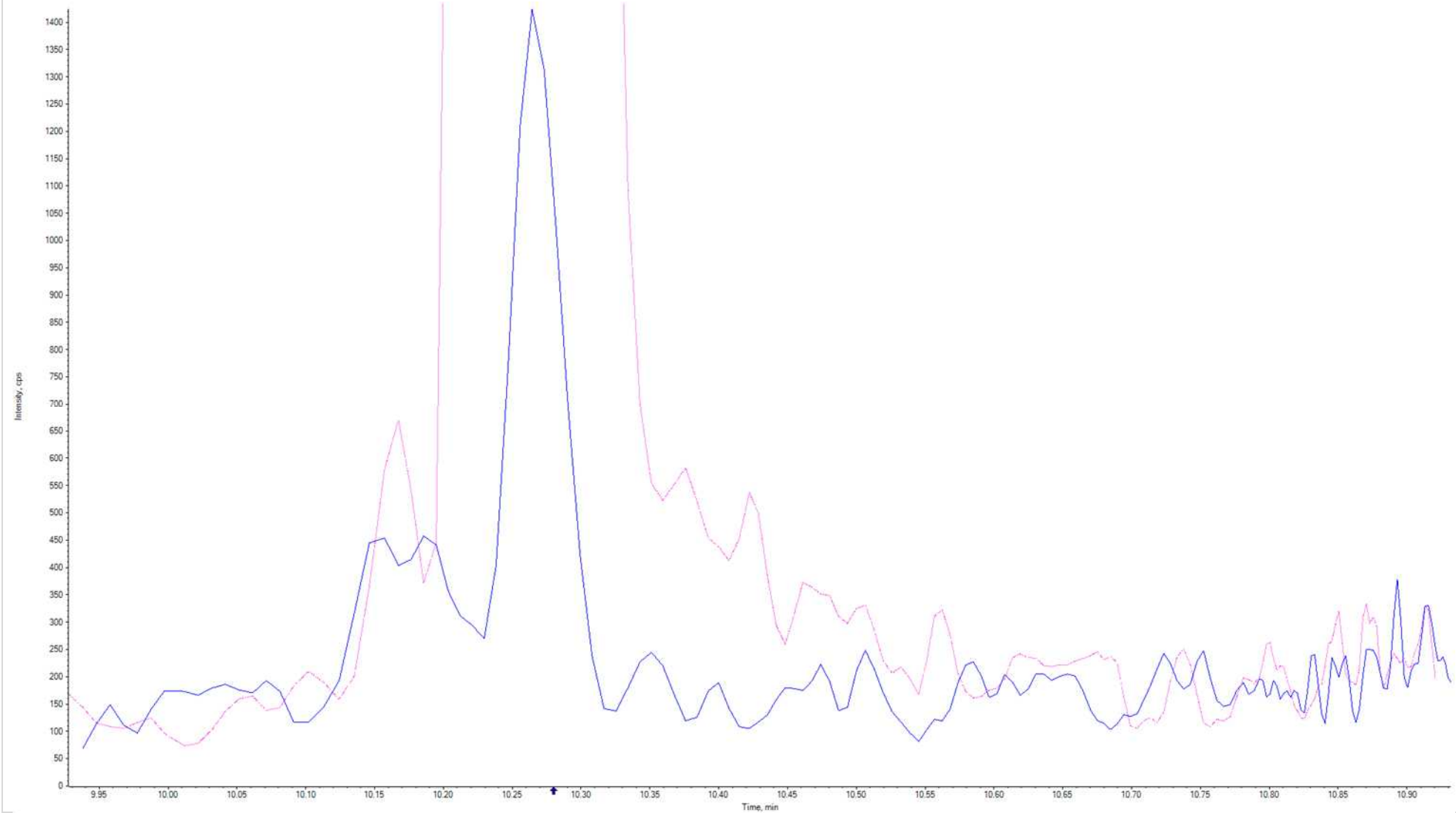

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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HFPO-DA
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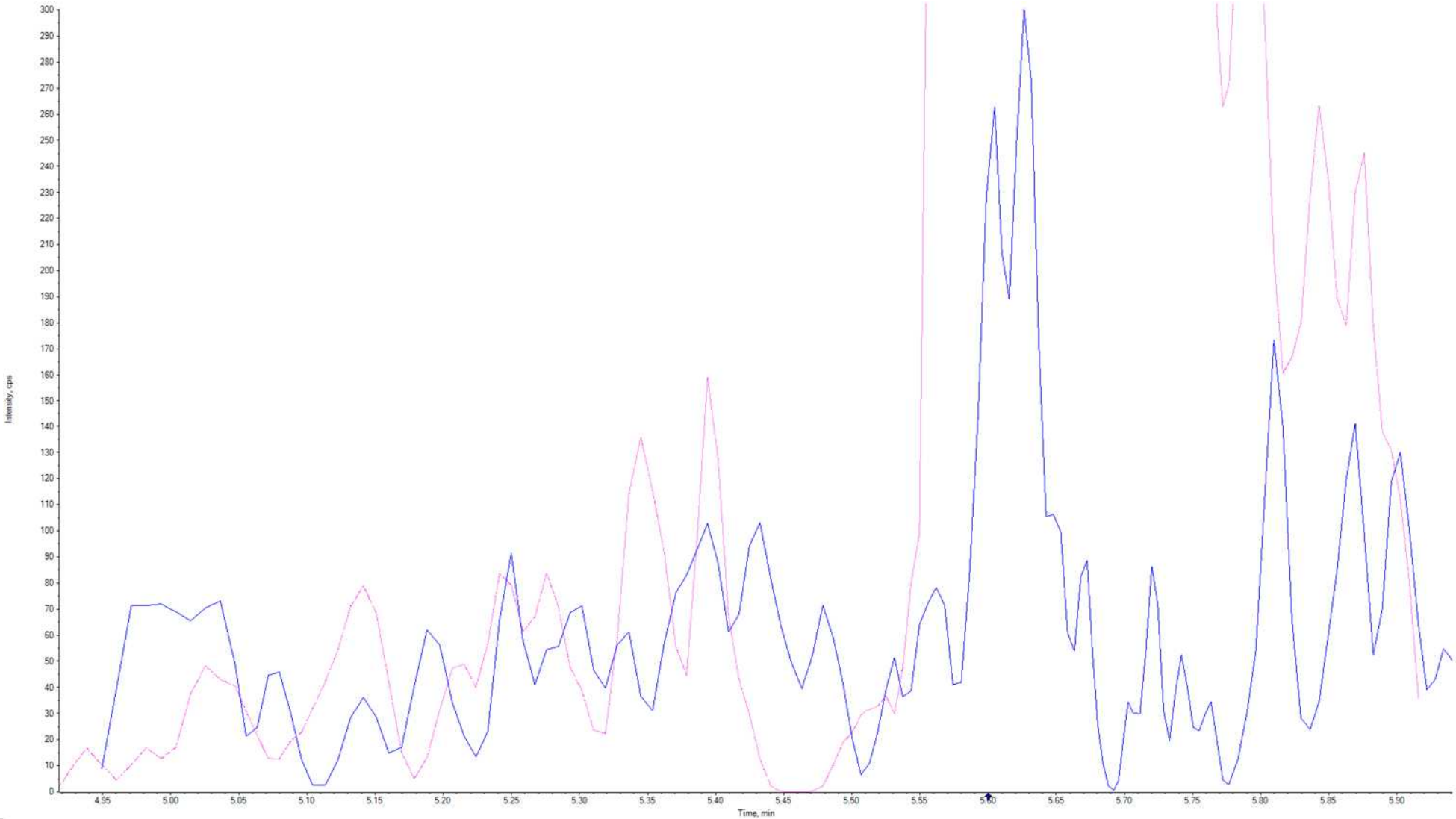

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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HFPO-DA_2
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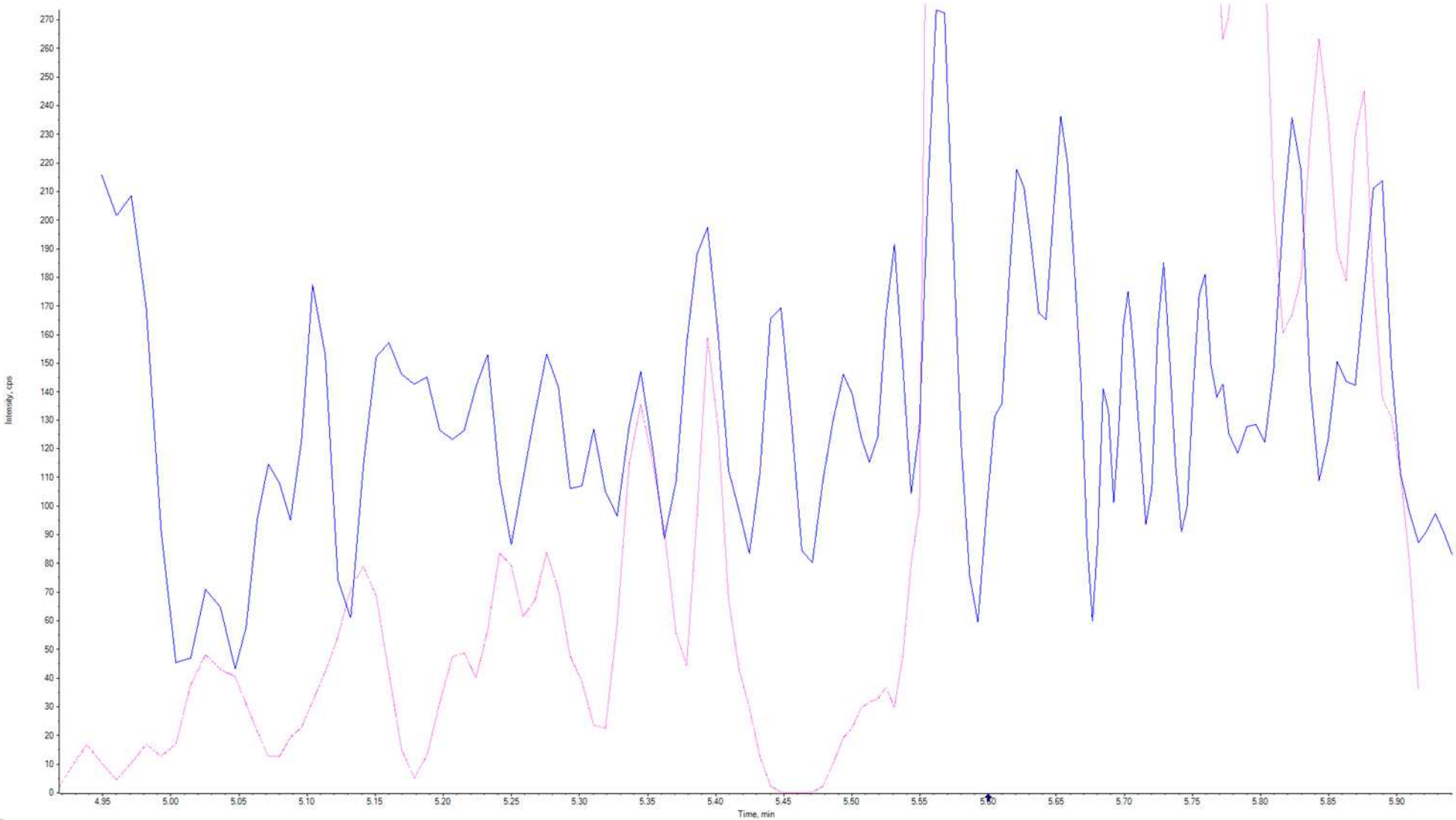

ADONA
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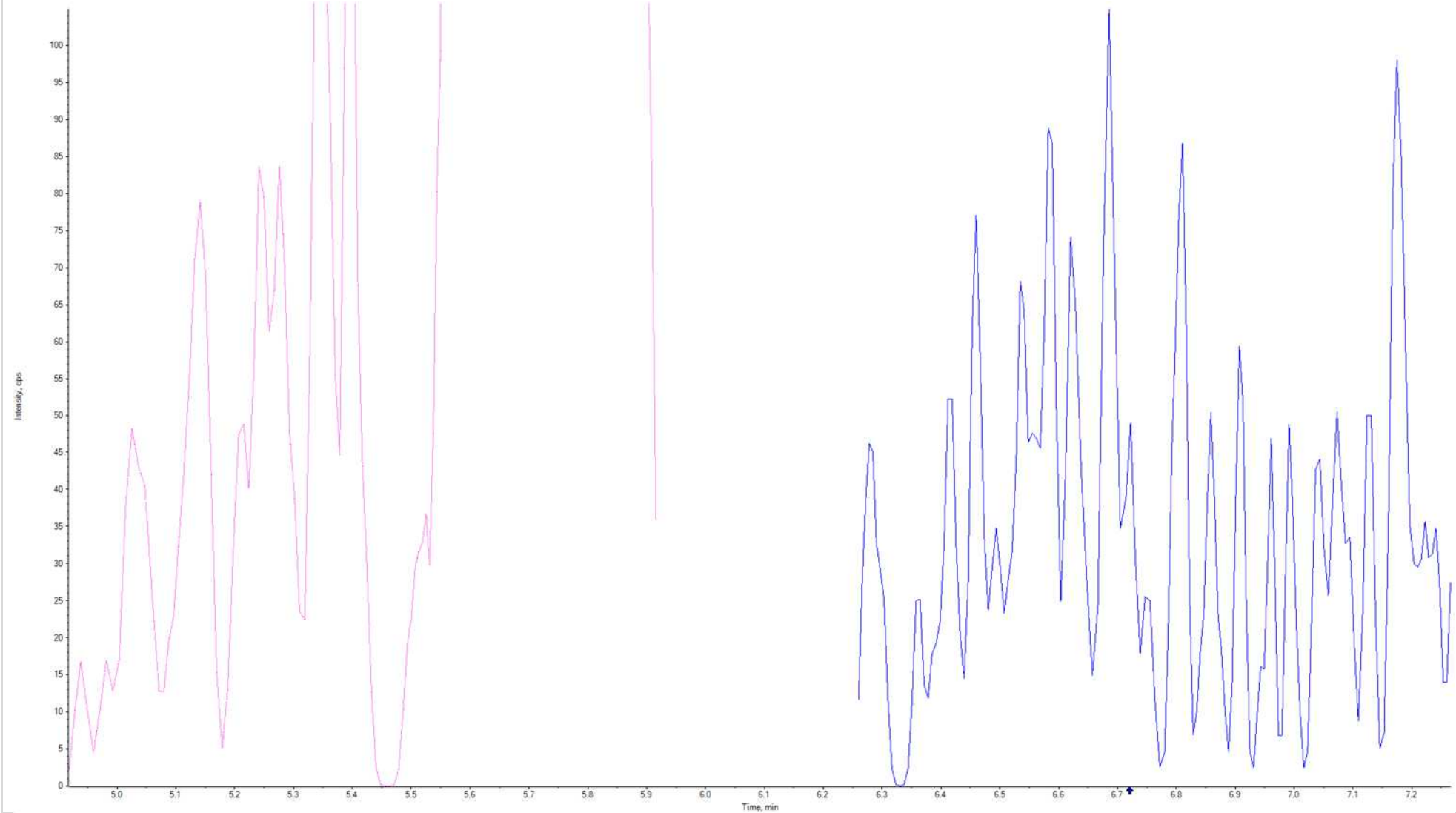

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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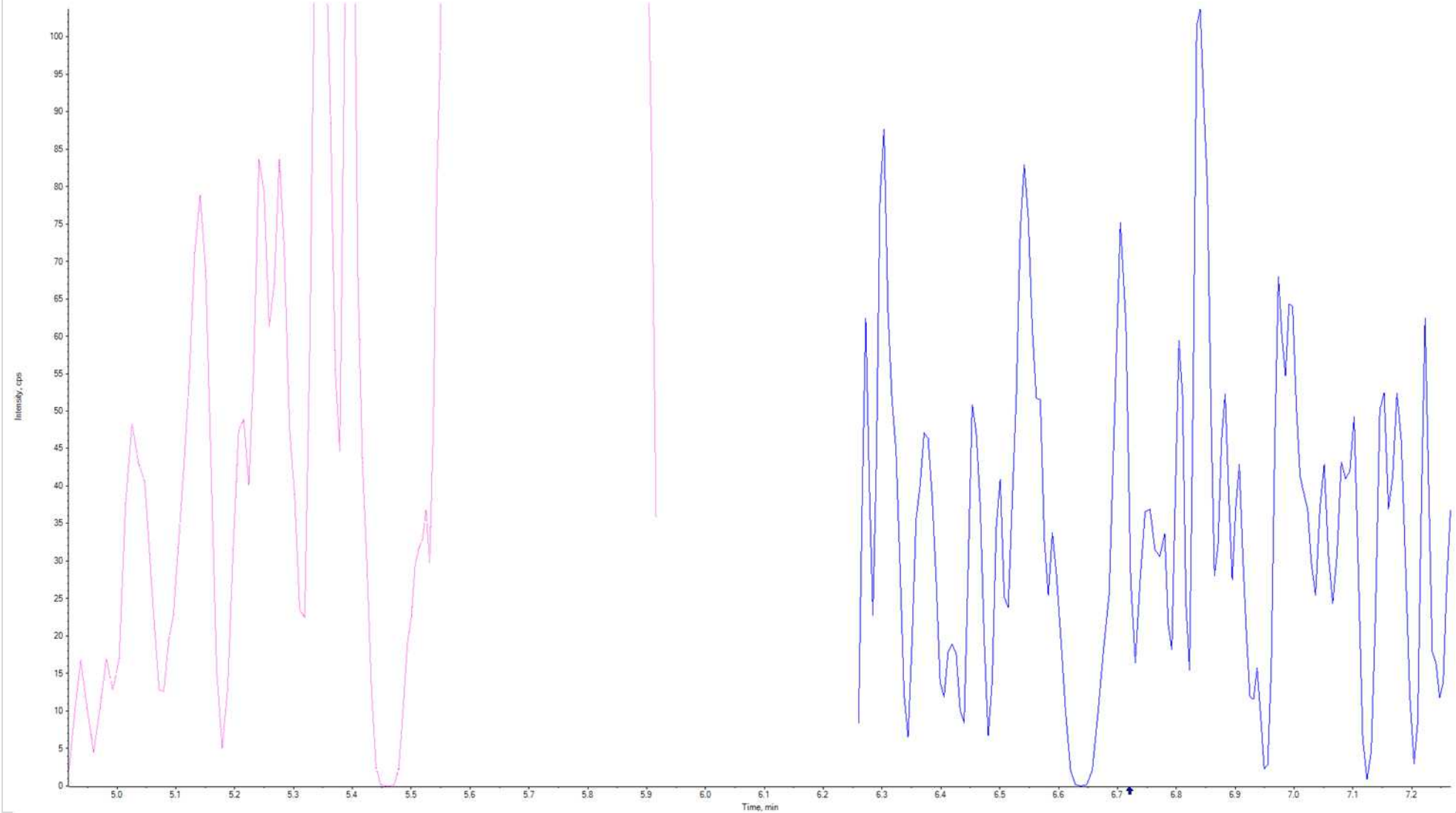

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS
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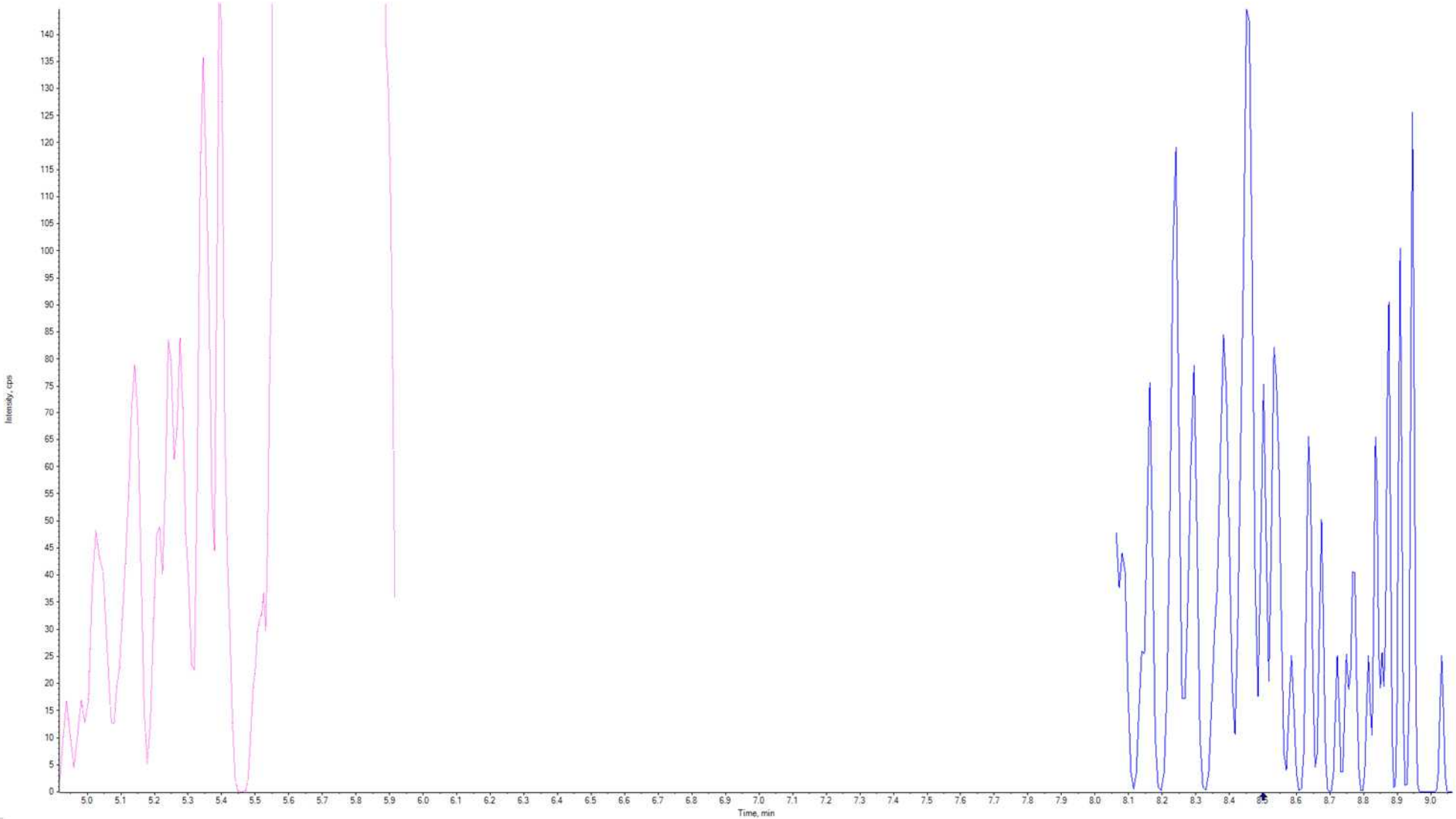

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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9Cl-PF3ONS_2
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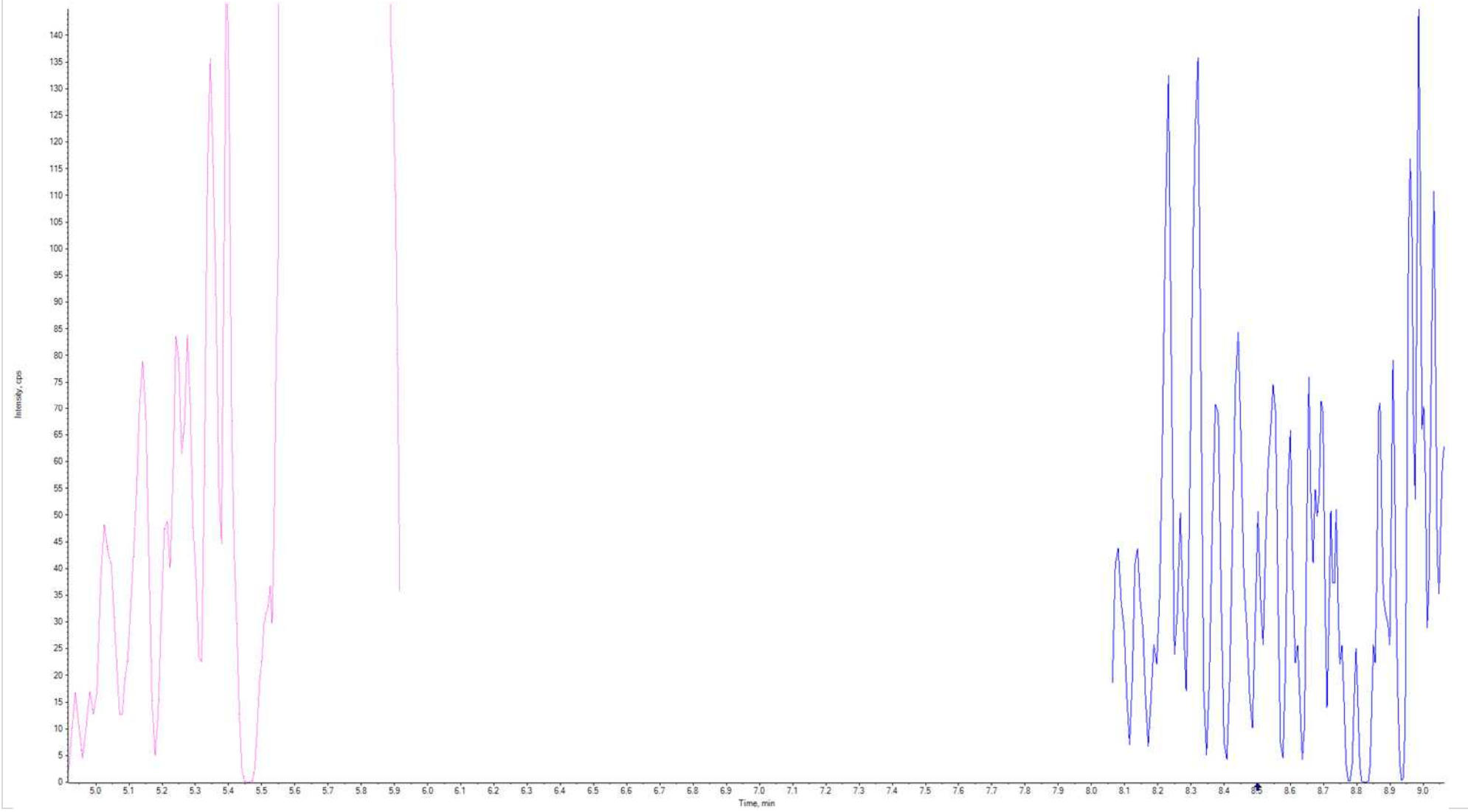

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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11Cl-PF3OUdS
Sample: L2447890-13 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
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11Cl-PF3OUdS_2
Sample: L2447890-13 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
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3:3FTCA
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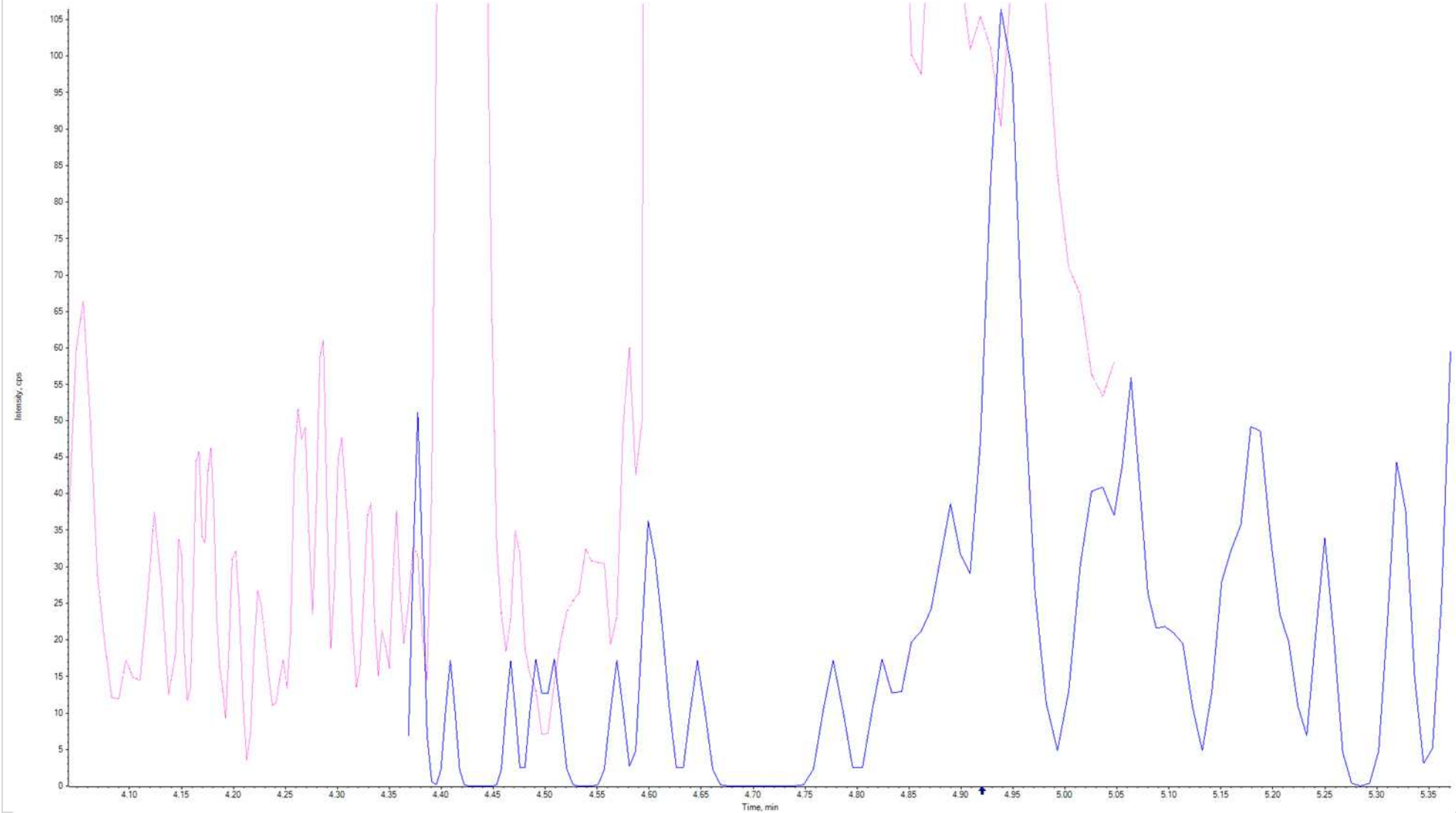

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Last Altered: 9/18/2024 1:57:23 PM
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3:3FTCA_2
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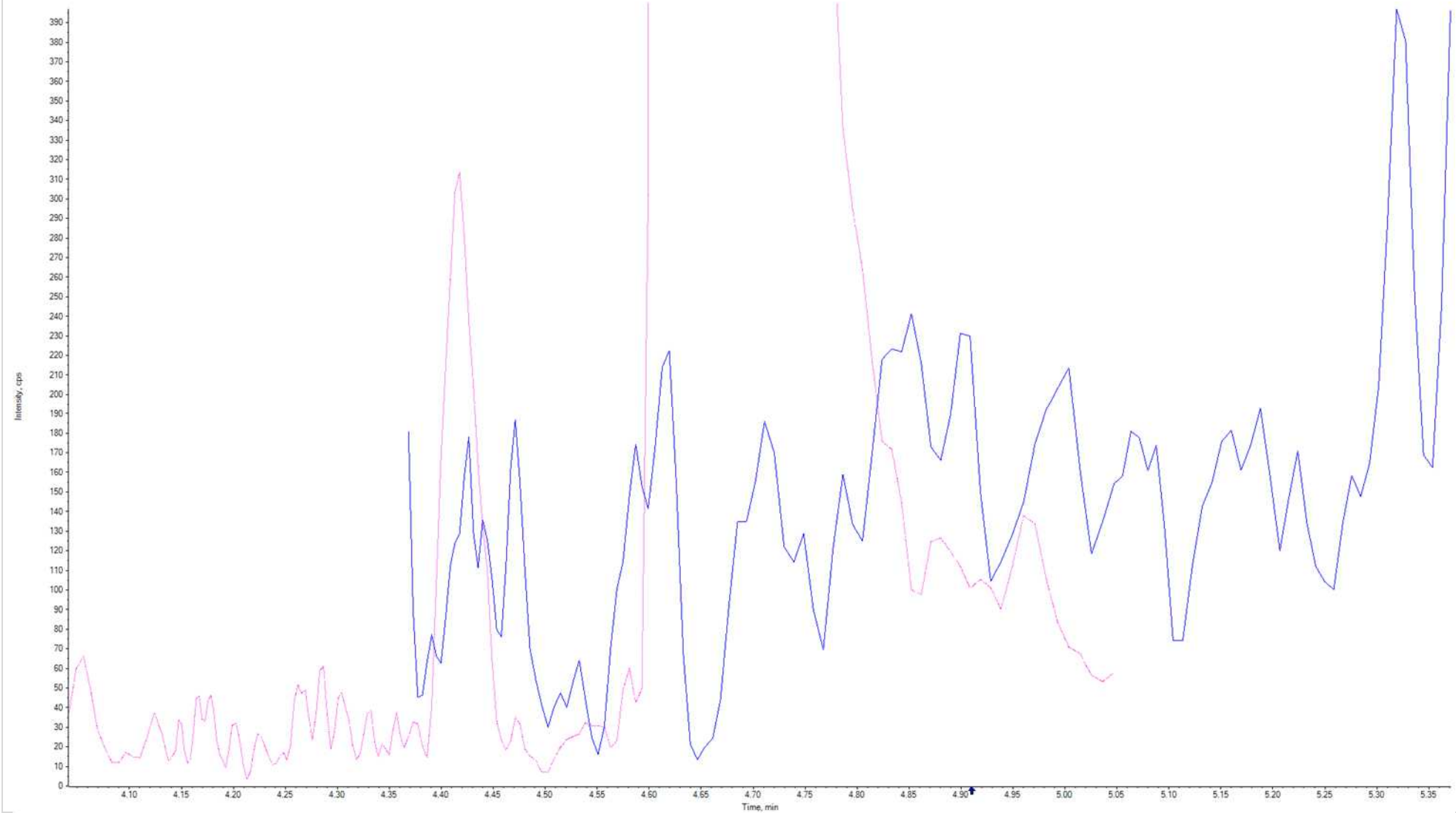

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 1:57:23 PM
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5:3FTCA
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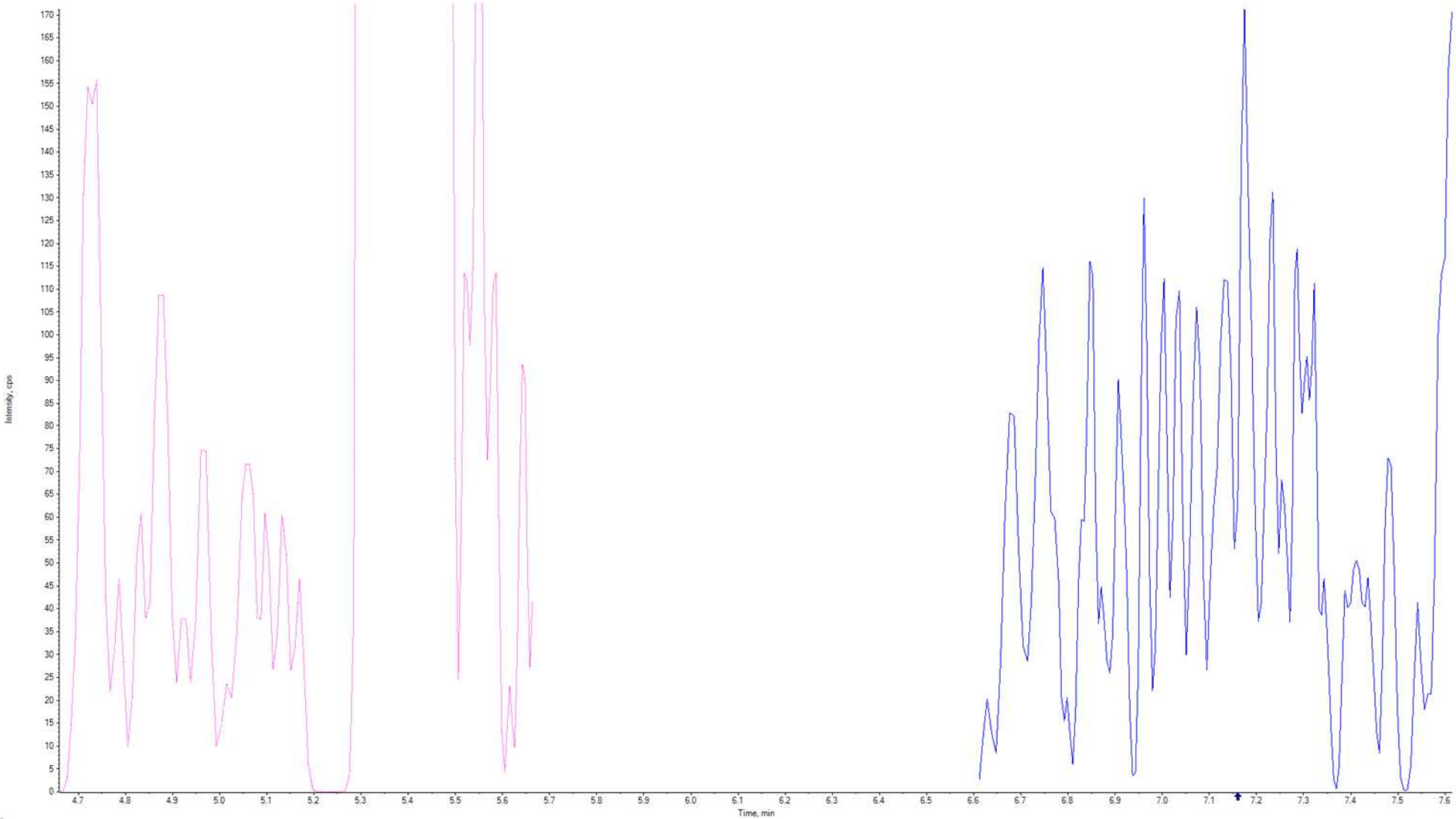

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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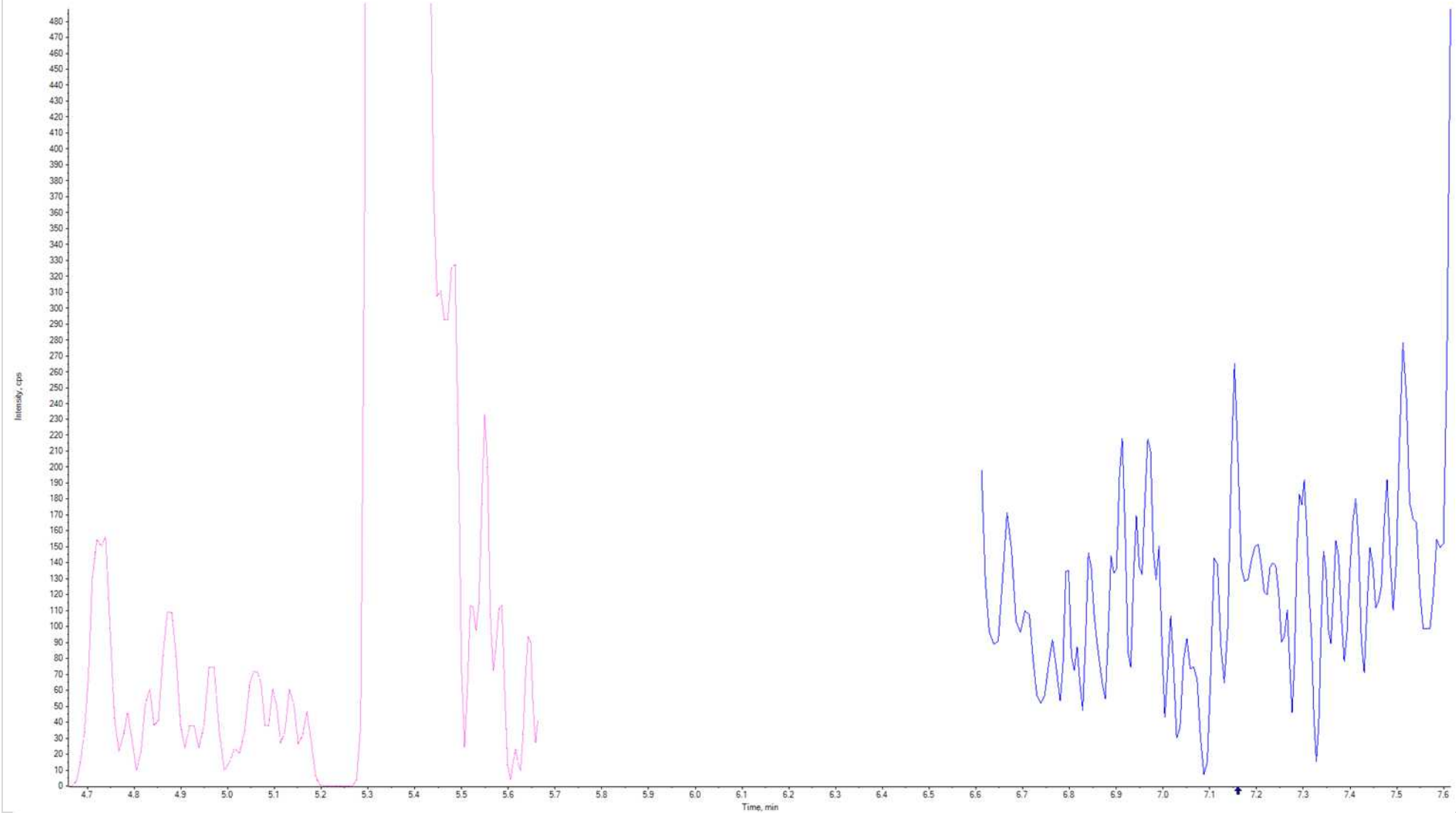

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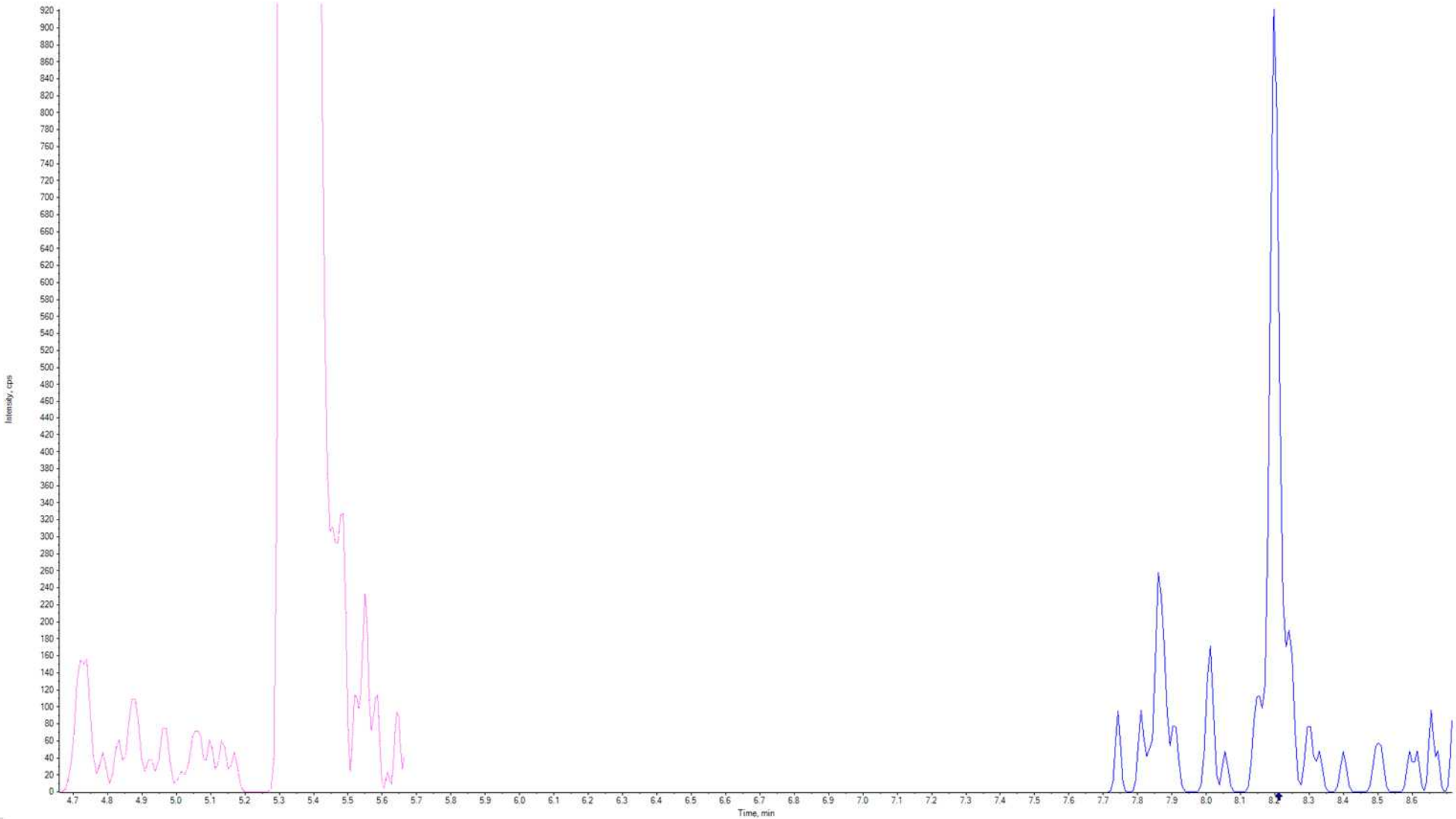

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7:3FTCA_2
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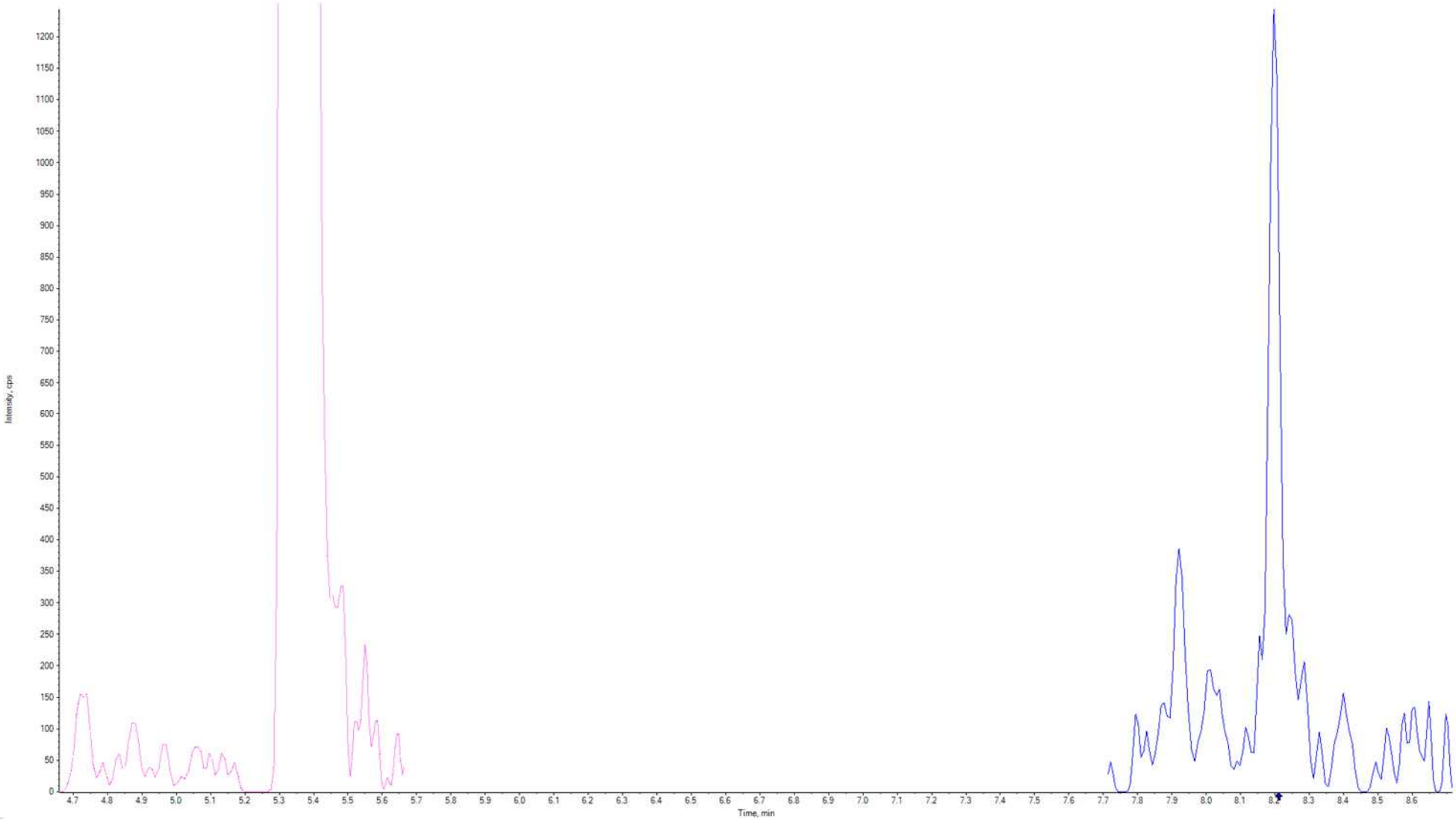
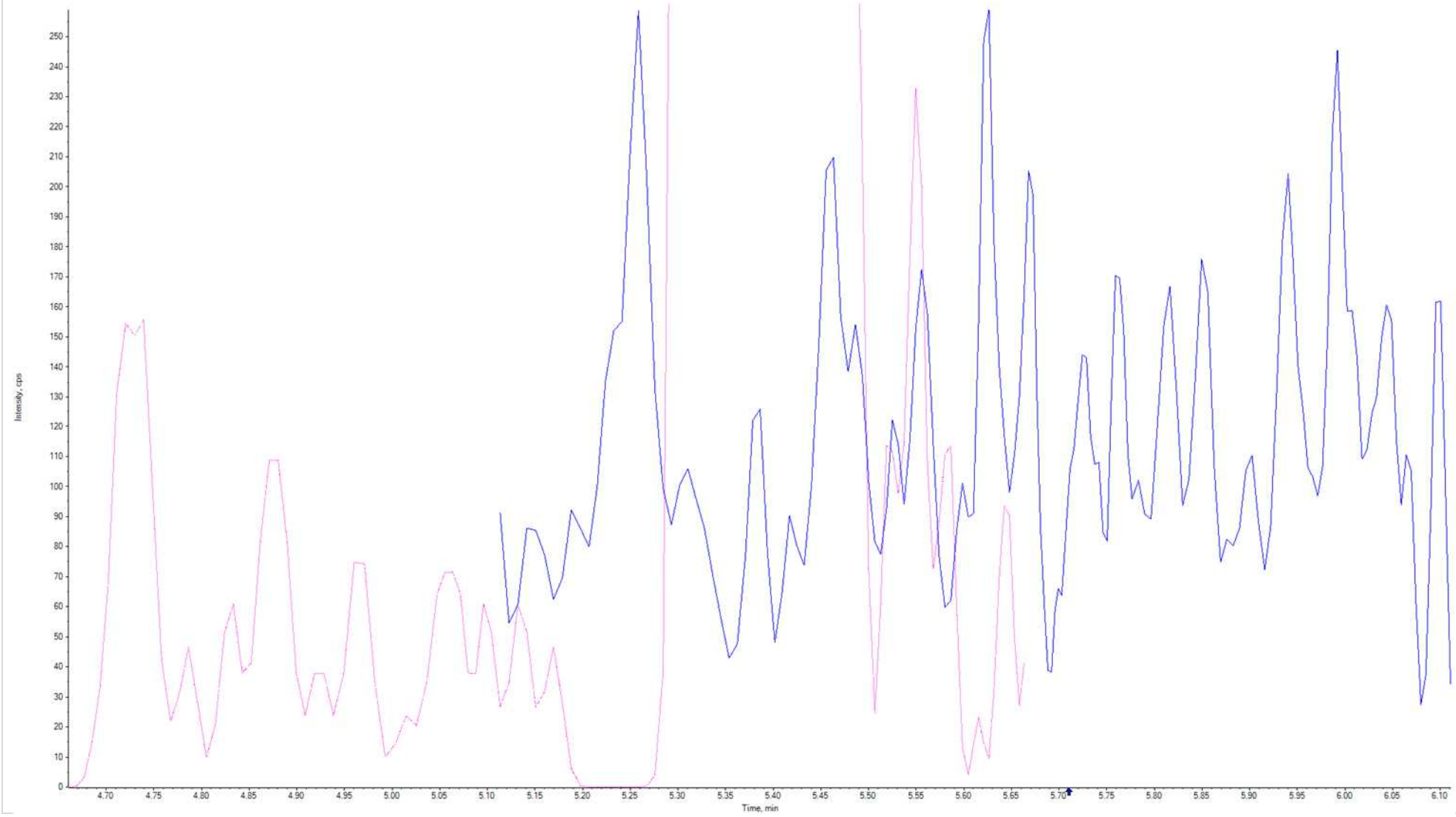


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFEESA_2
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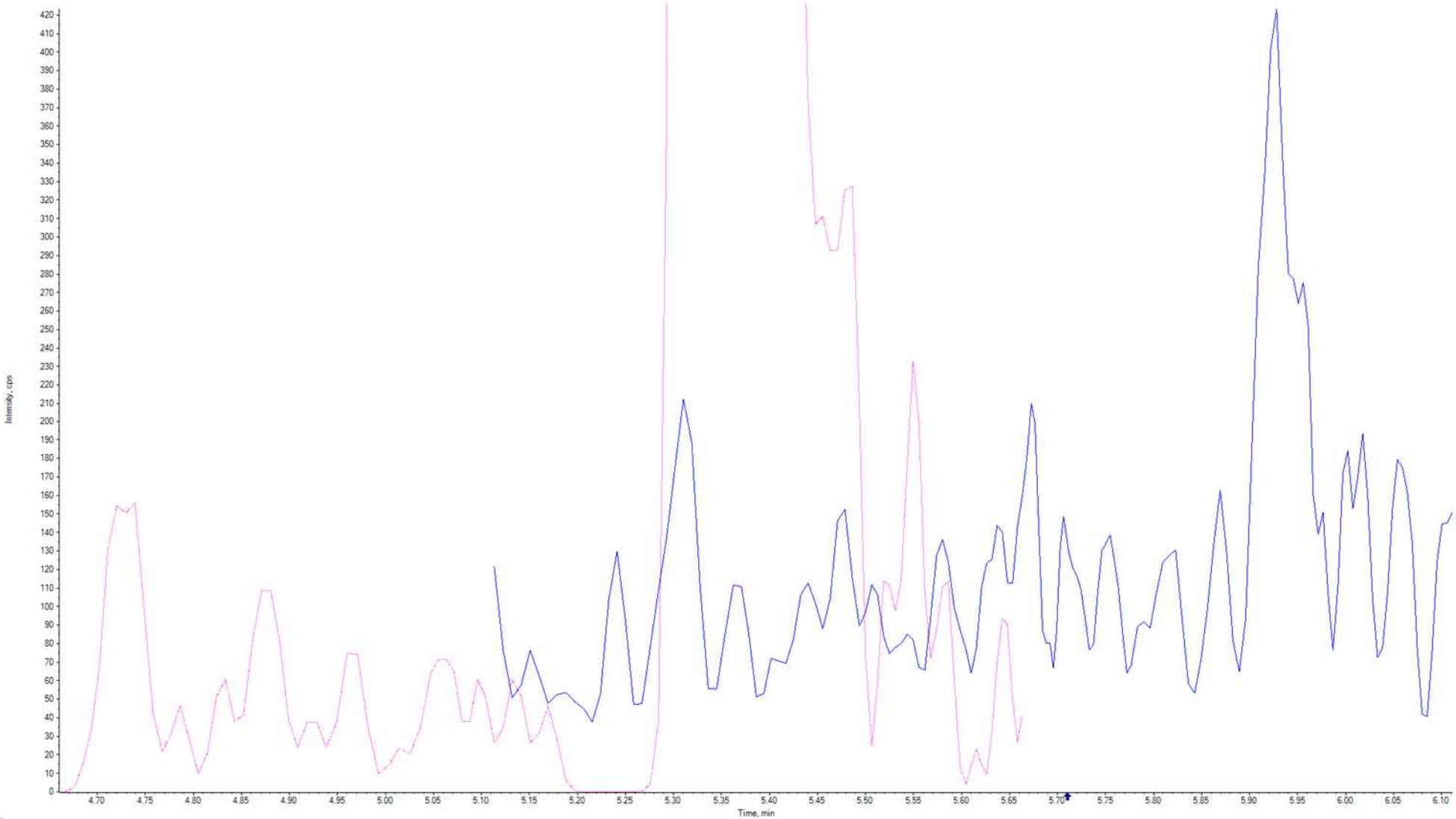

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PFMPA
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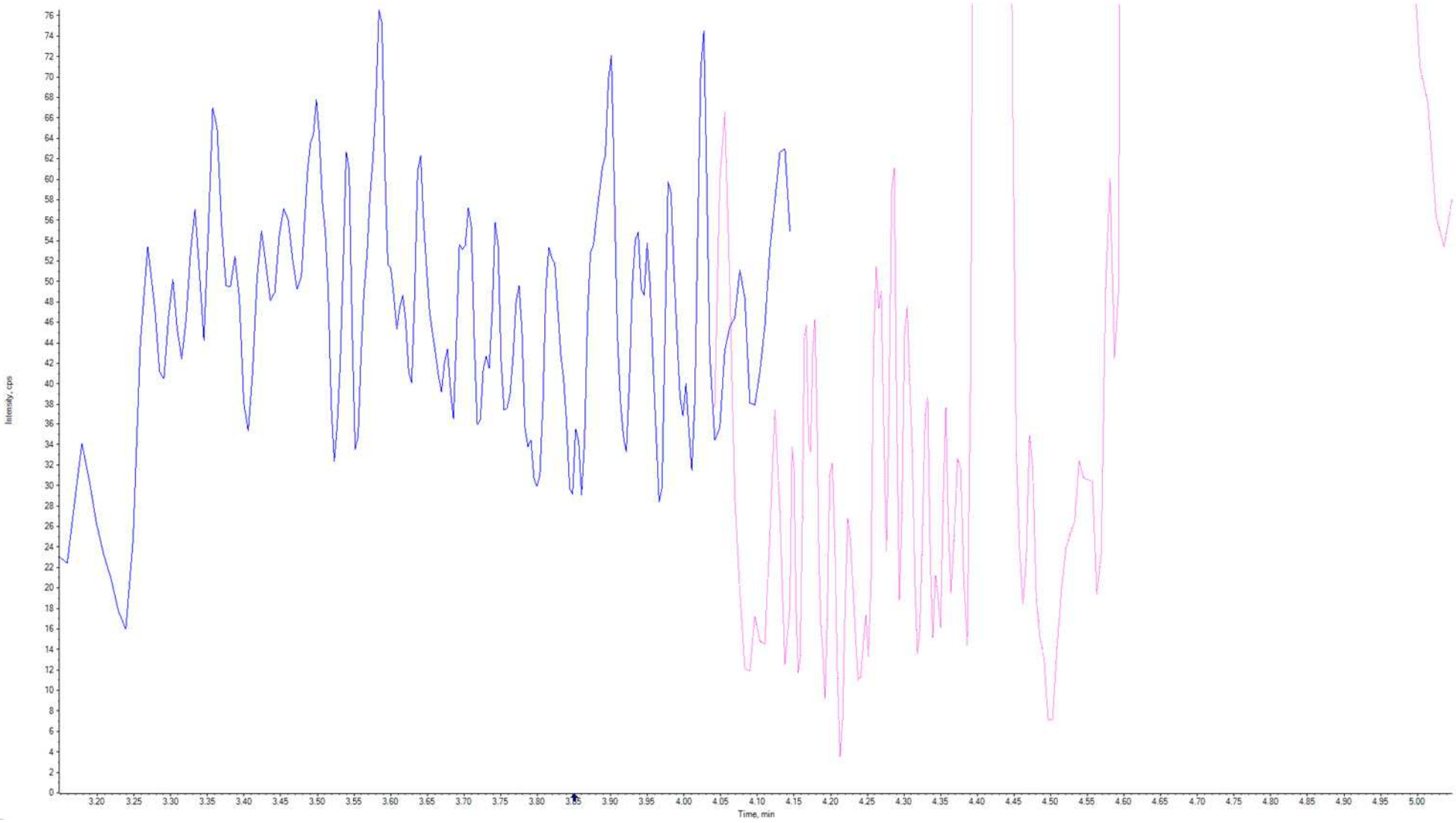

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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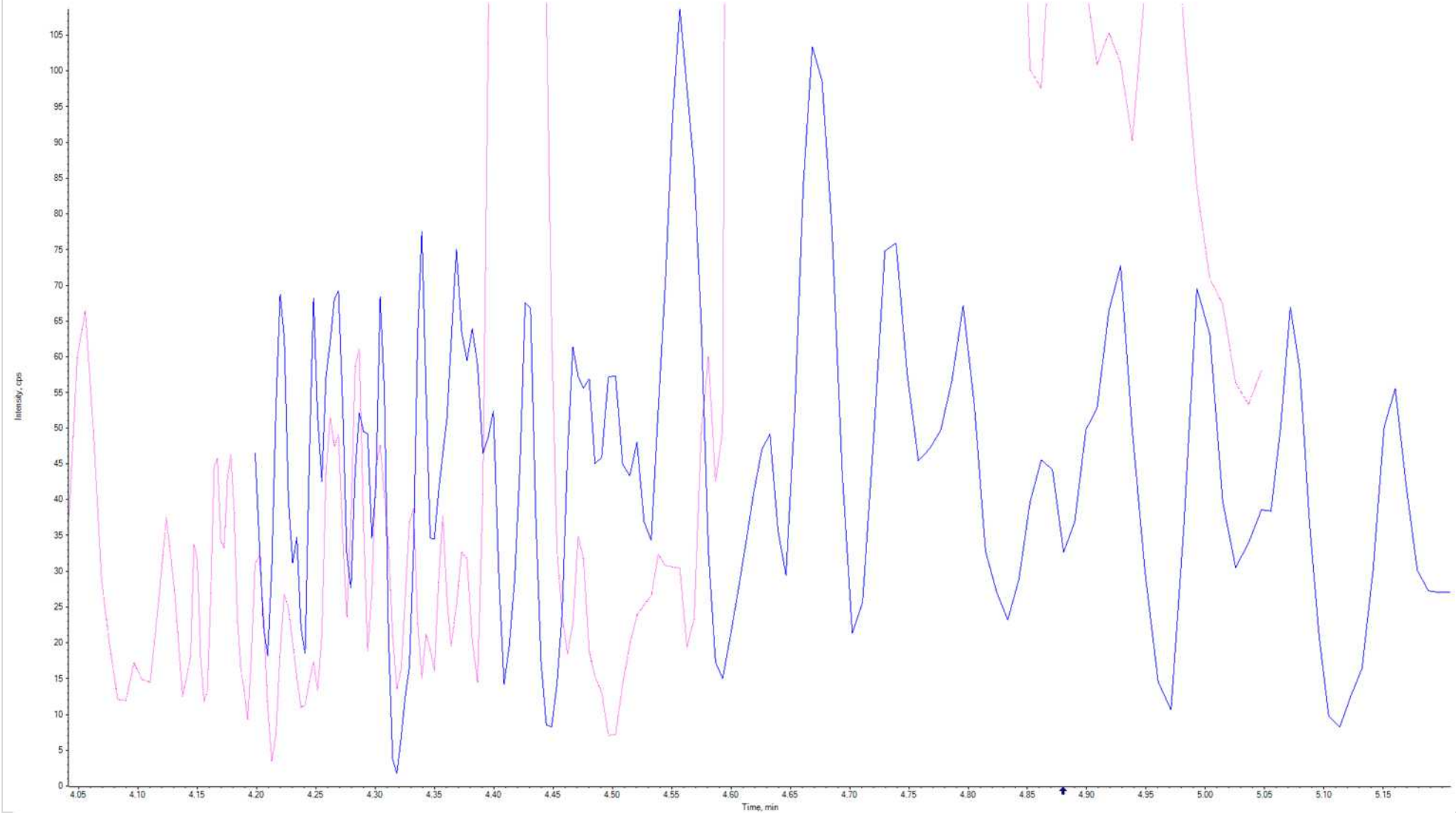

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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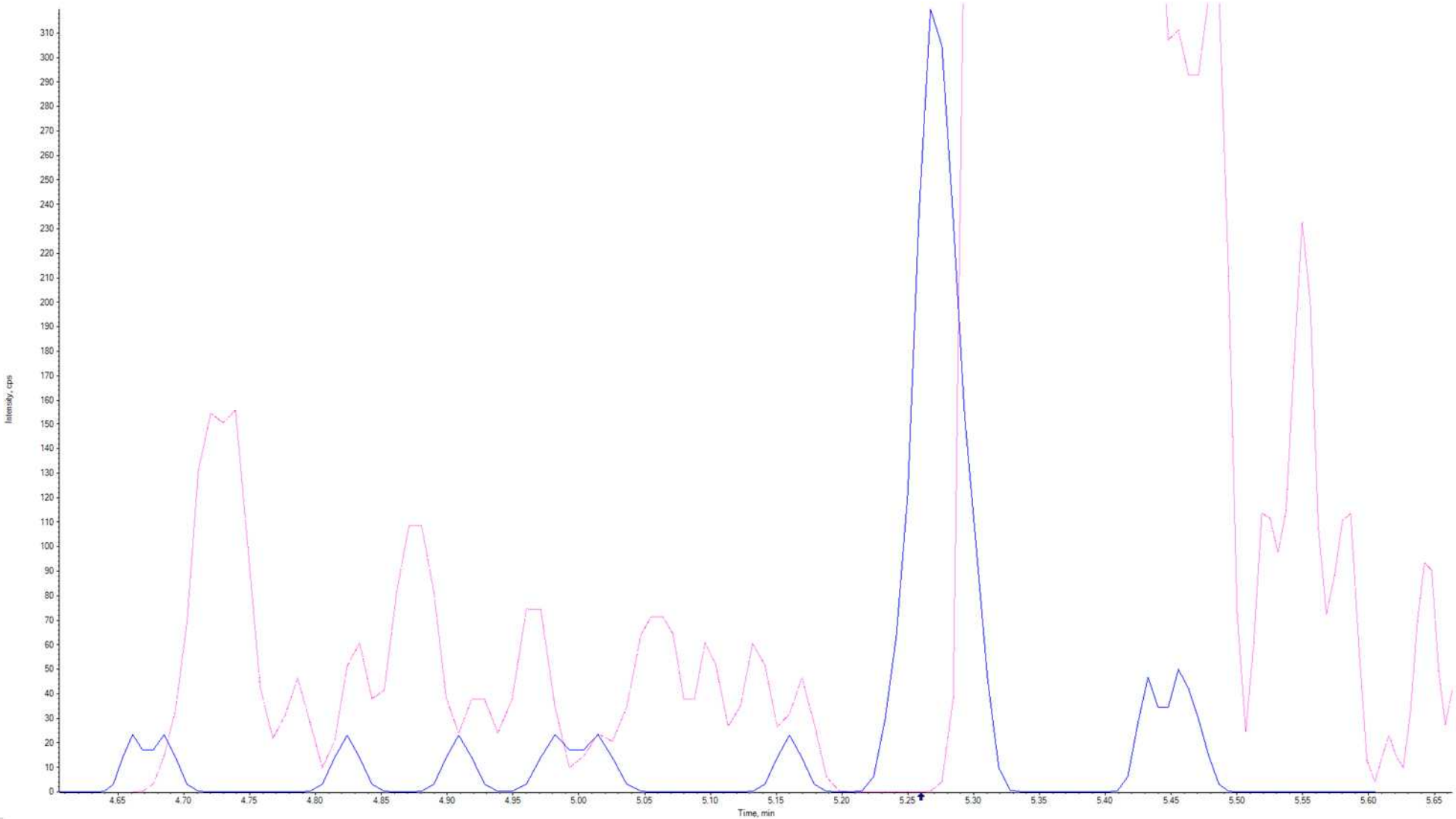
NFDHA
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NFDHA_2
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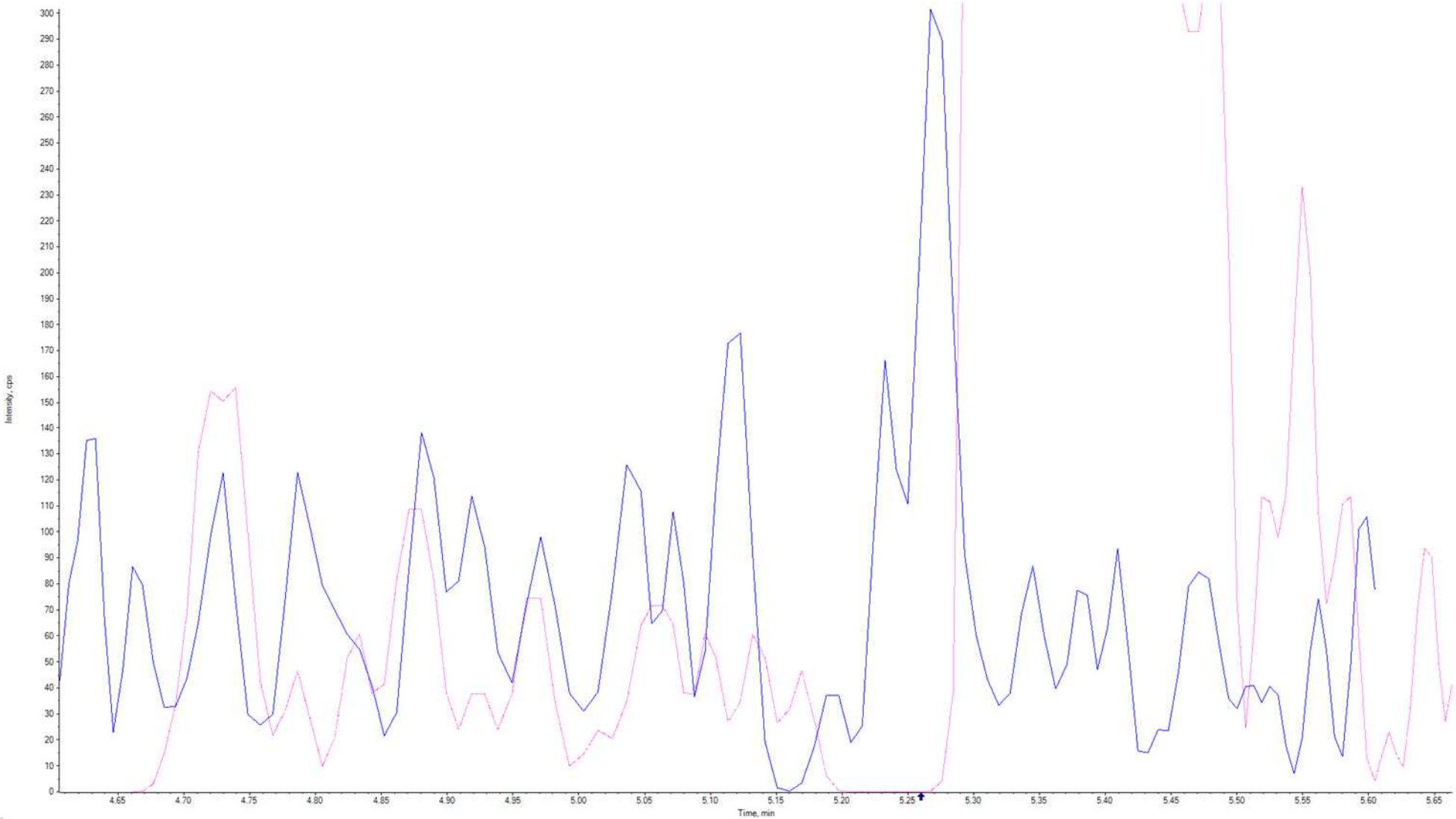

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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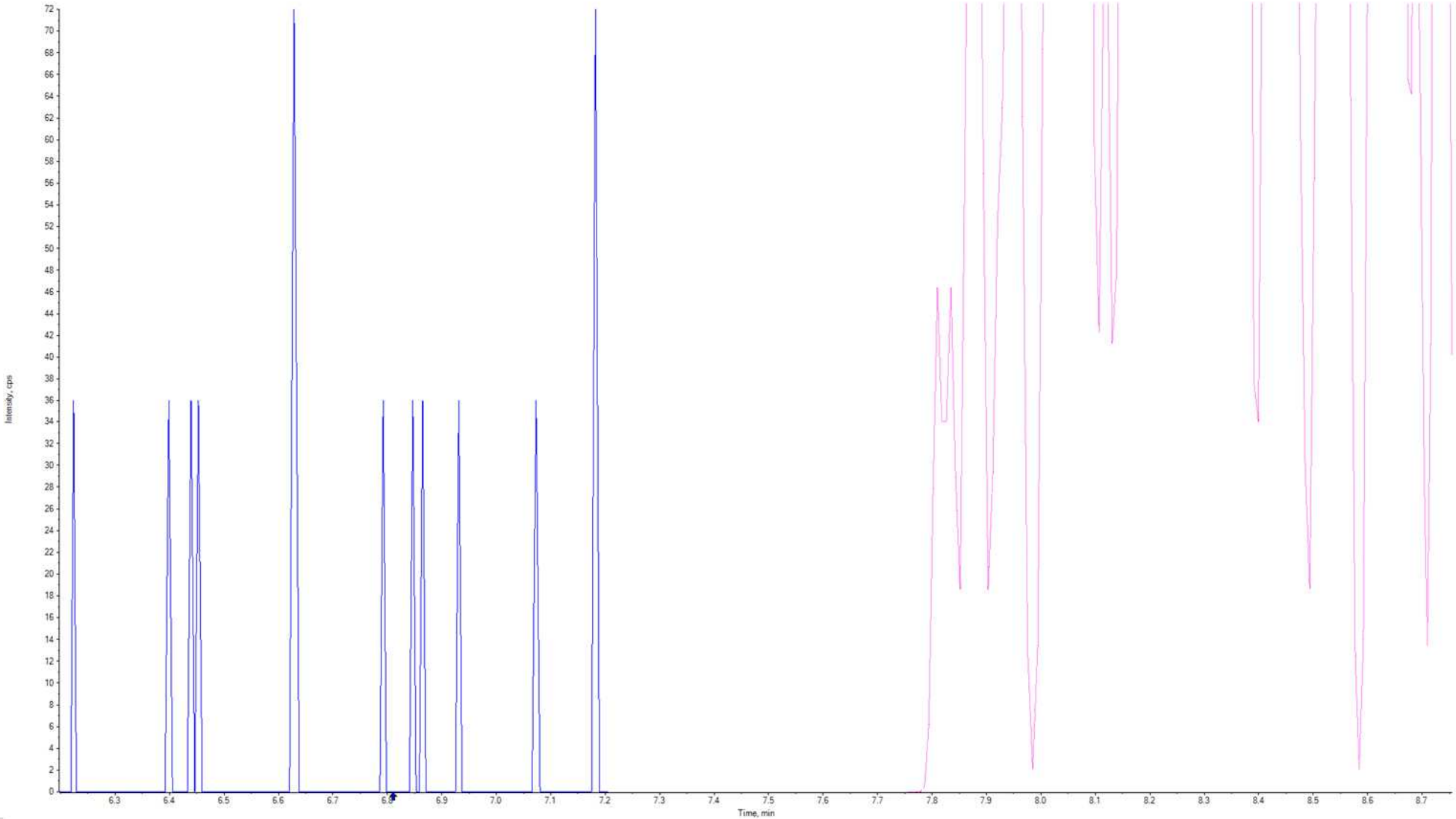
TDCA
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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TDCA_2
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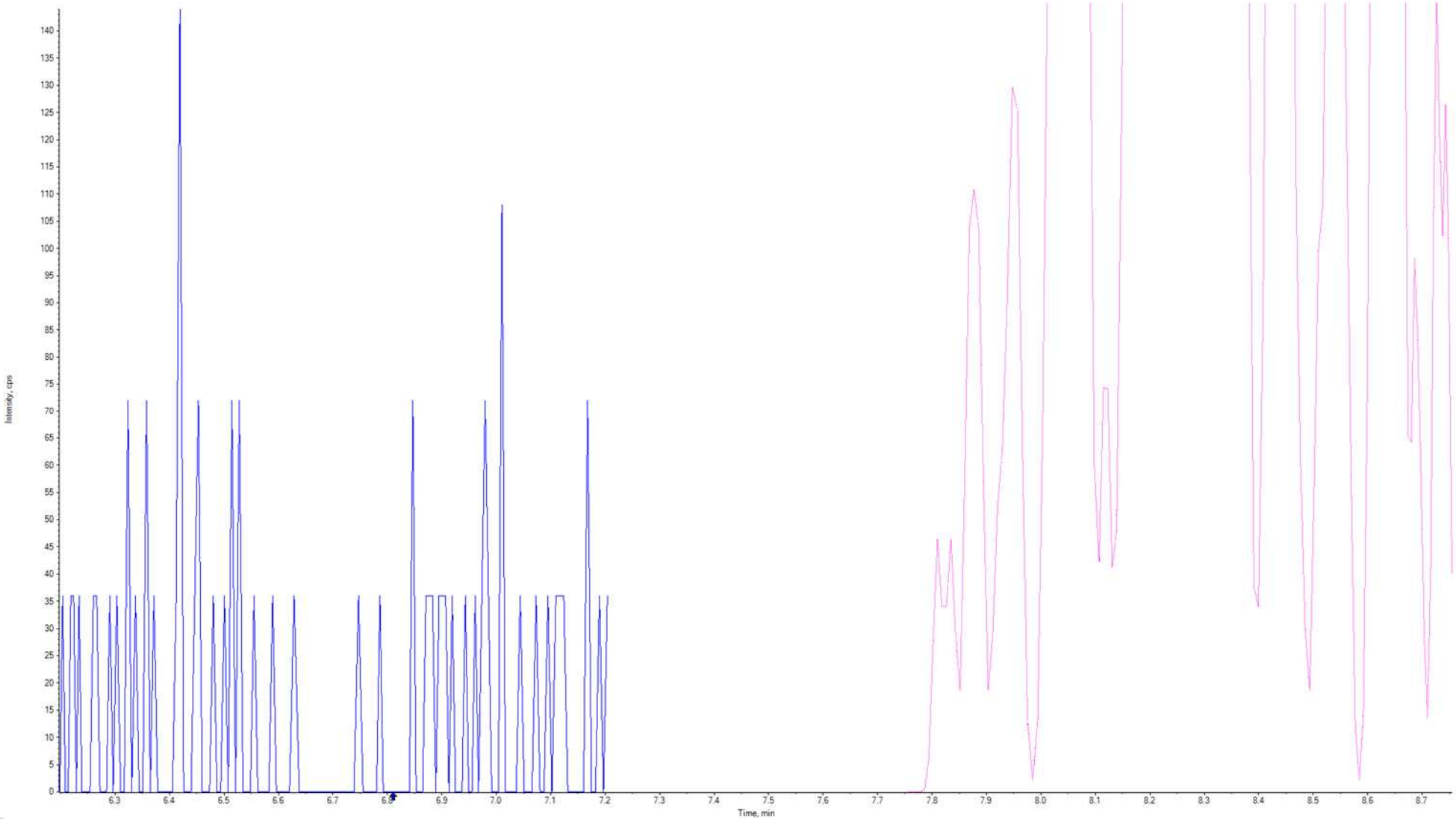

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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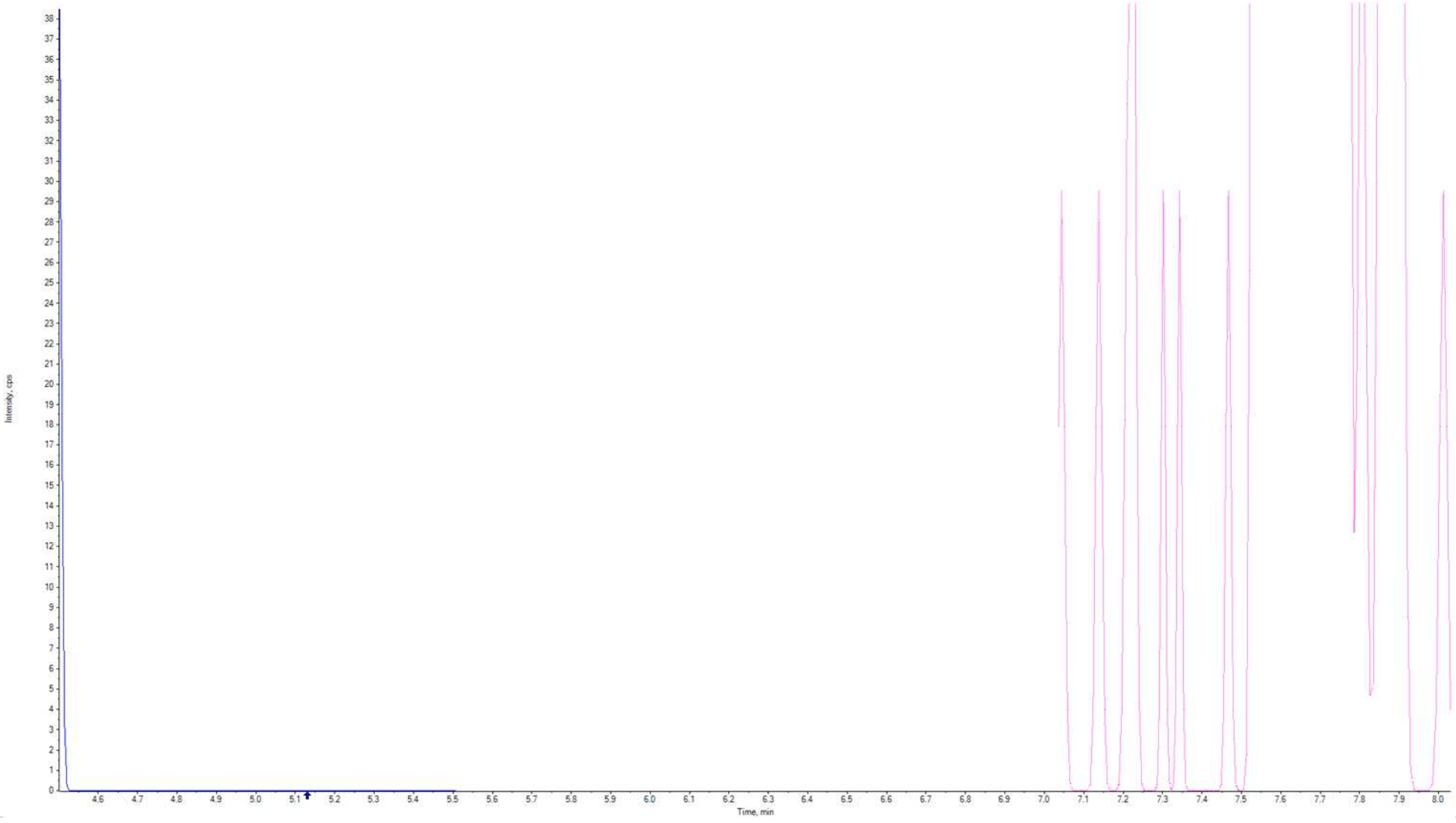
13C2D4-4:2FTS
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 1:57:23 PM
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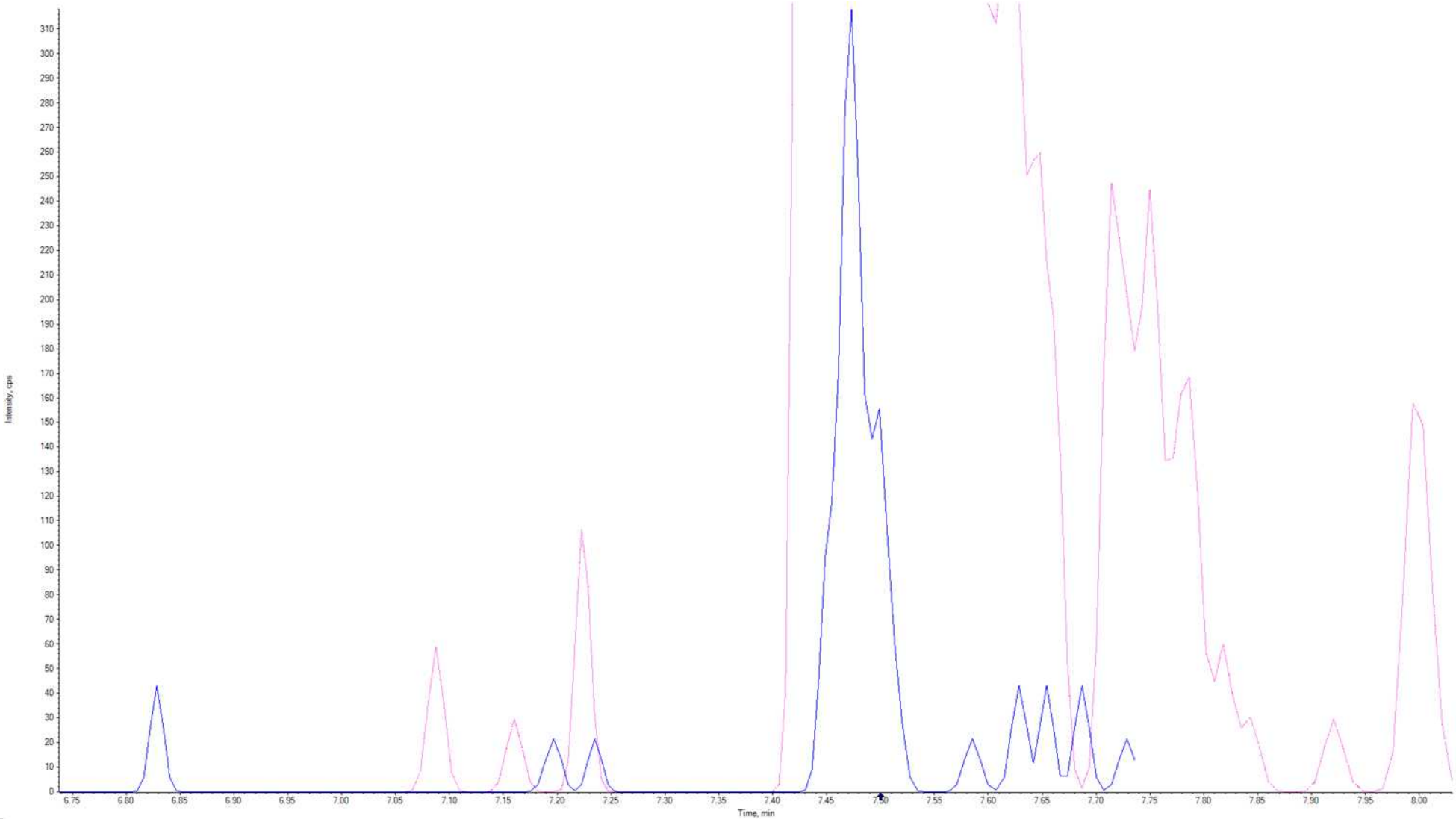
13C2-PFOA
Sample: L2447890-13 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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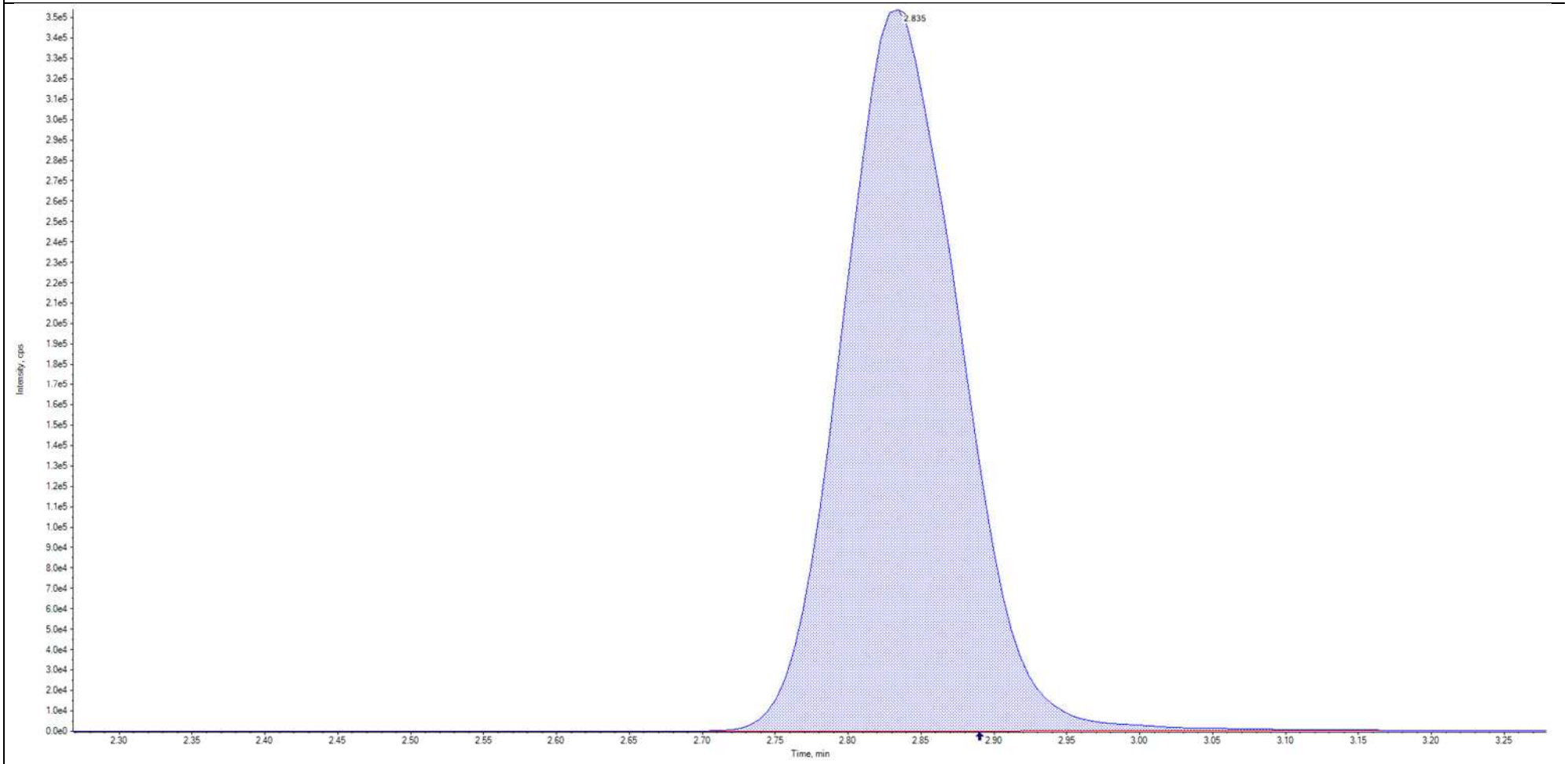
13C4-PFBA
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C5-PFPeA
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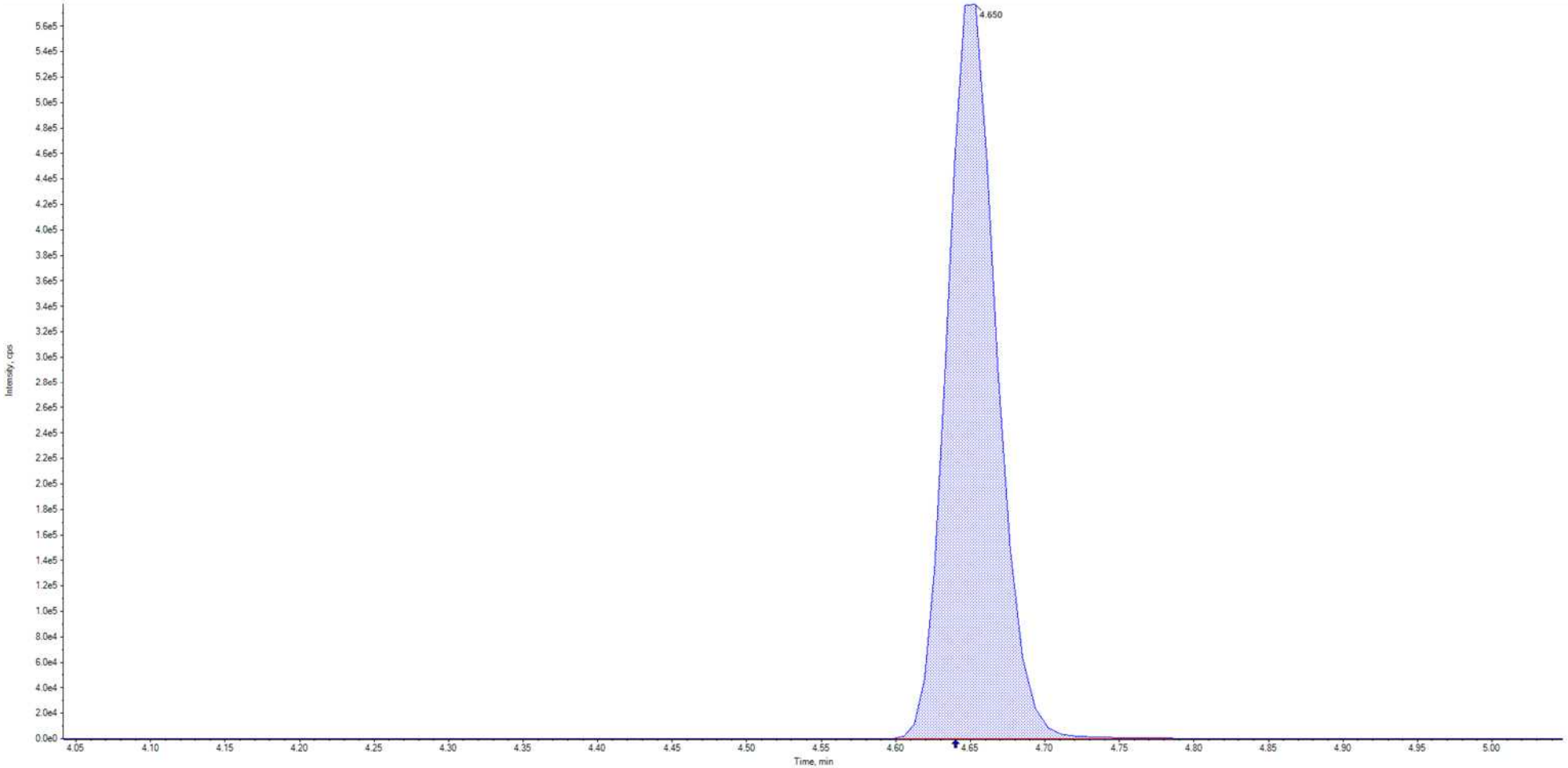

13C5-PFHxA
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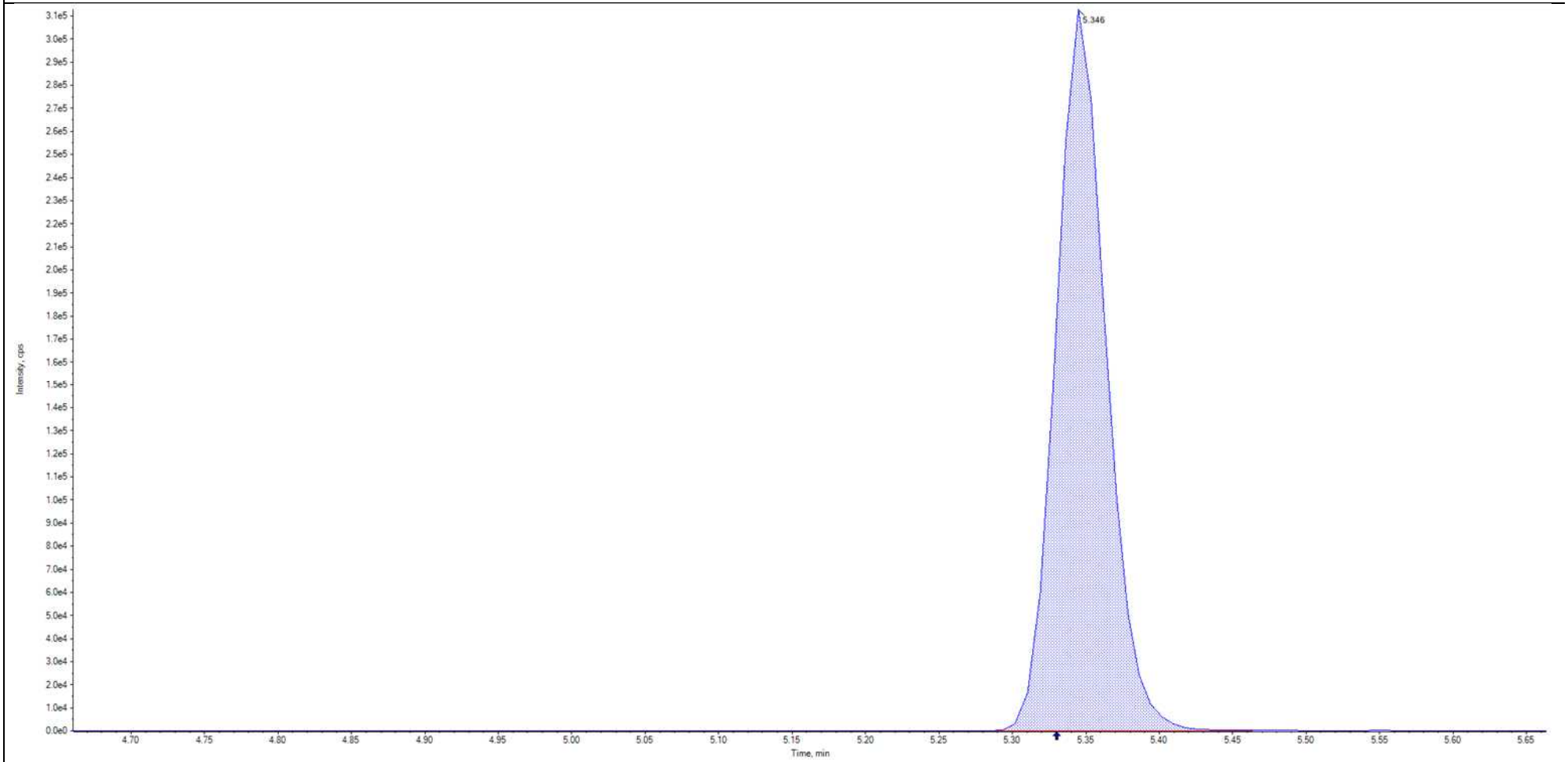

13C4-PFHpA
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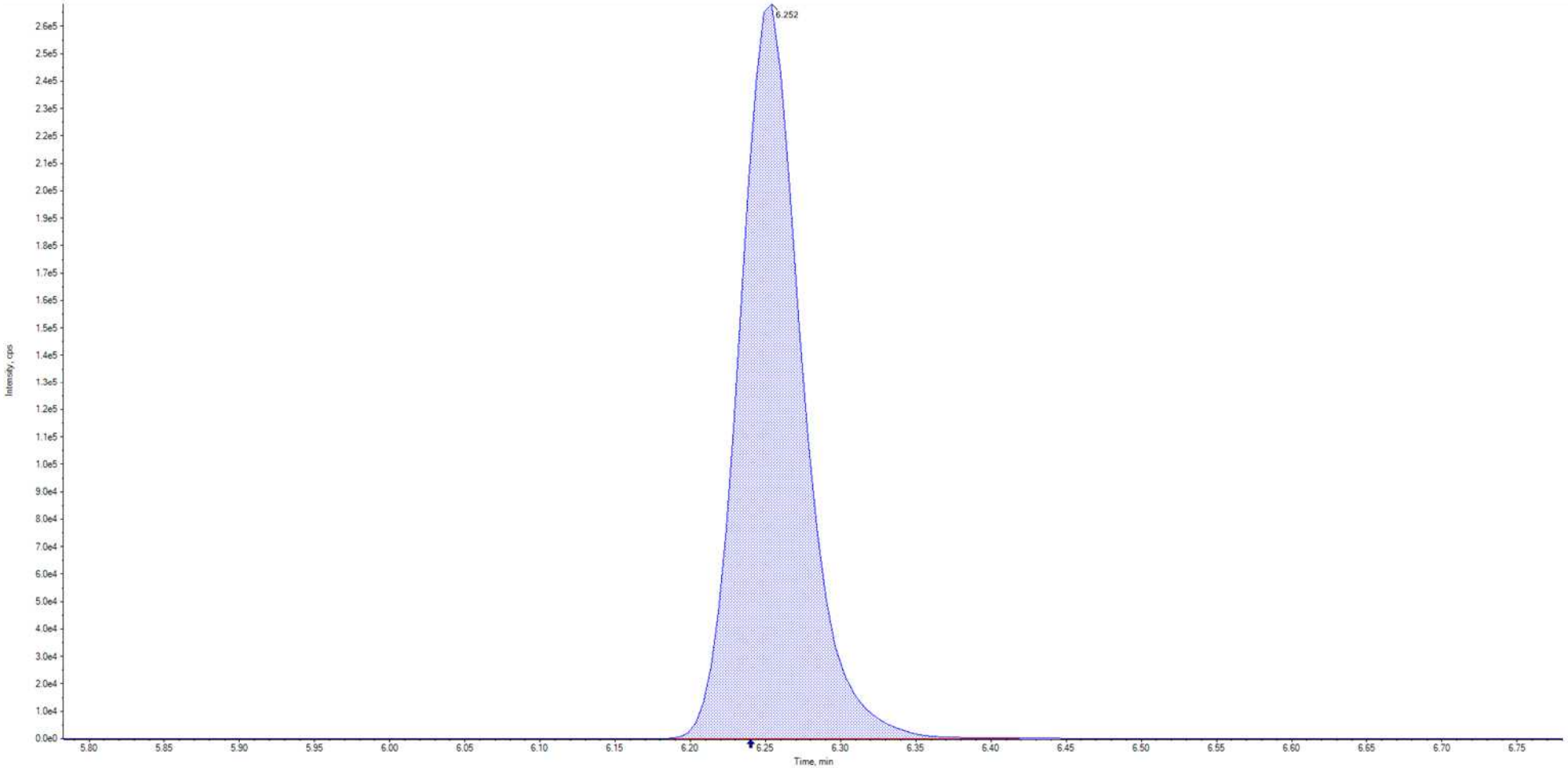

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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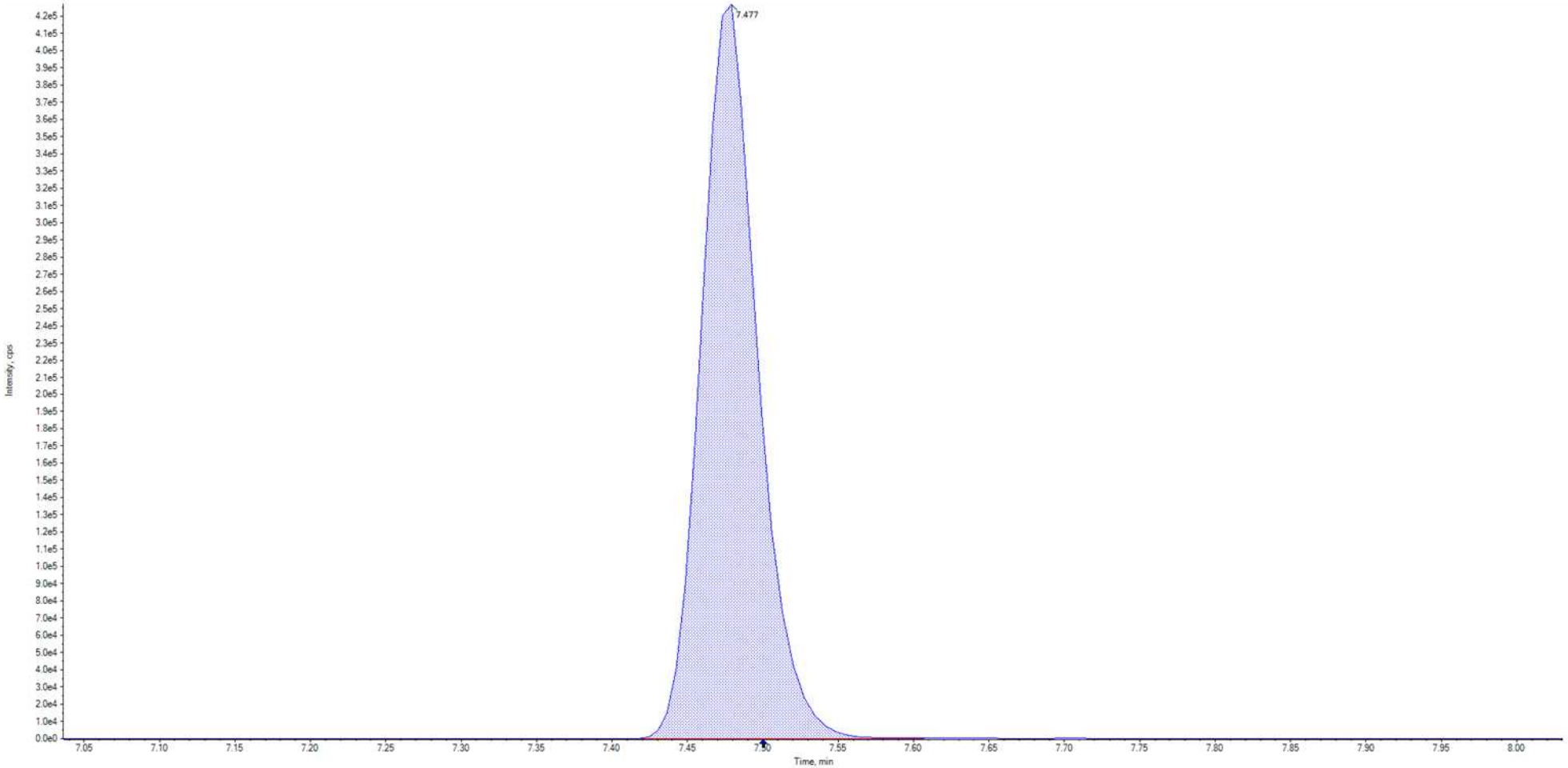
13C8-PFOA
Sample: L2447890-13



13C9-PFNA
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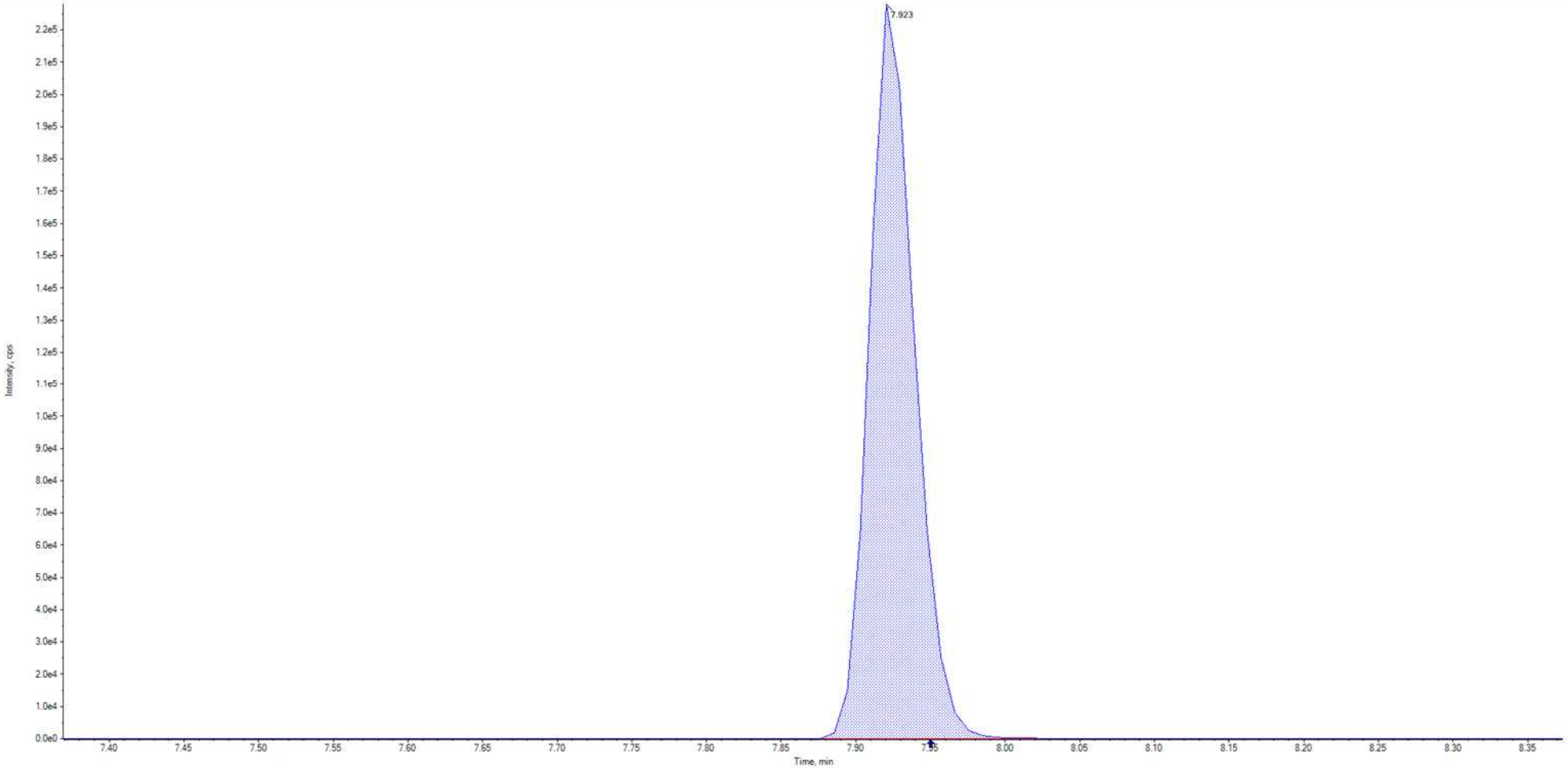

13C6-PFDA
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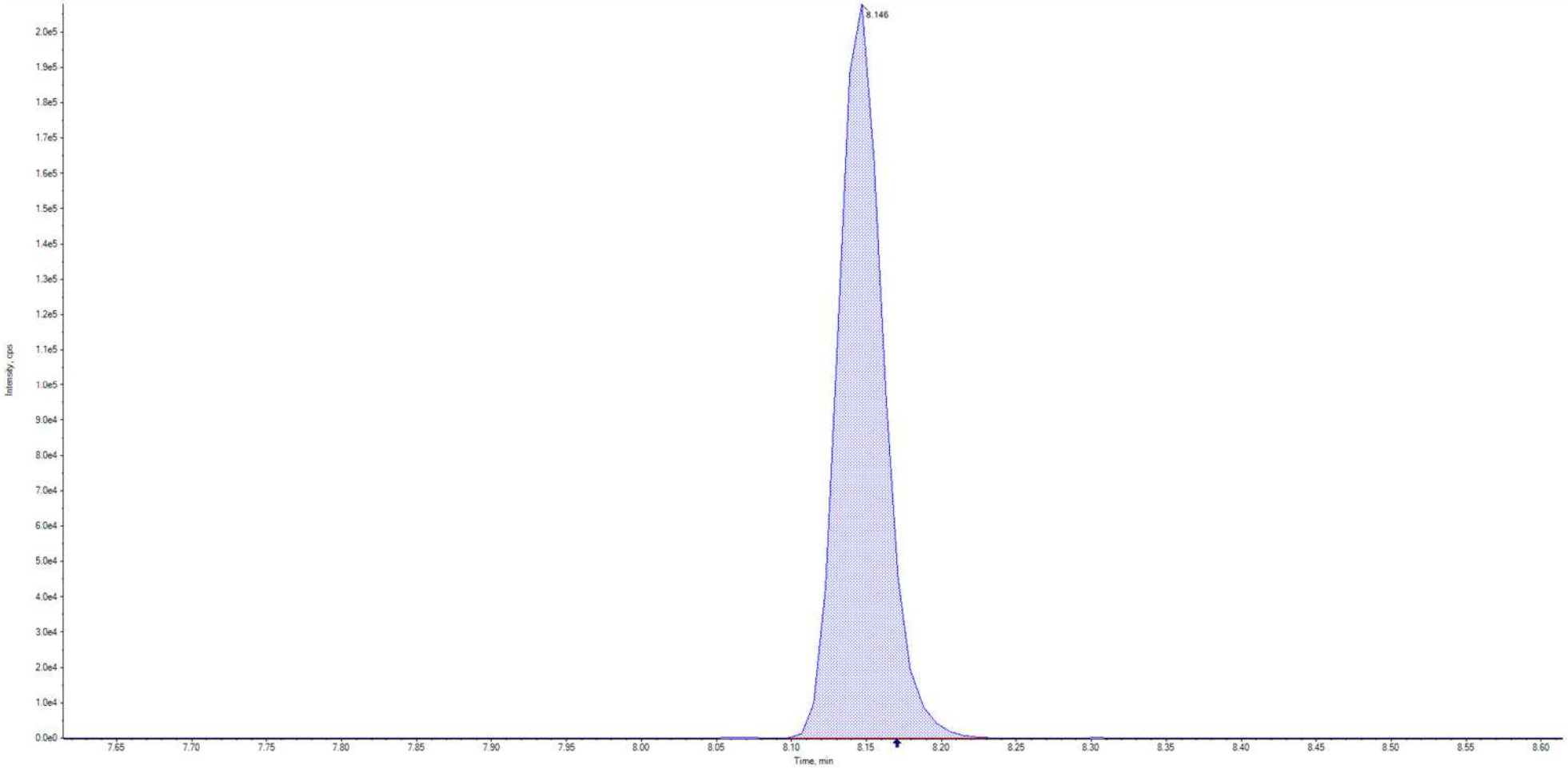

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C7-PFUnA
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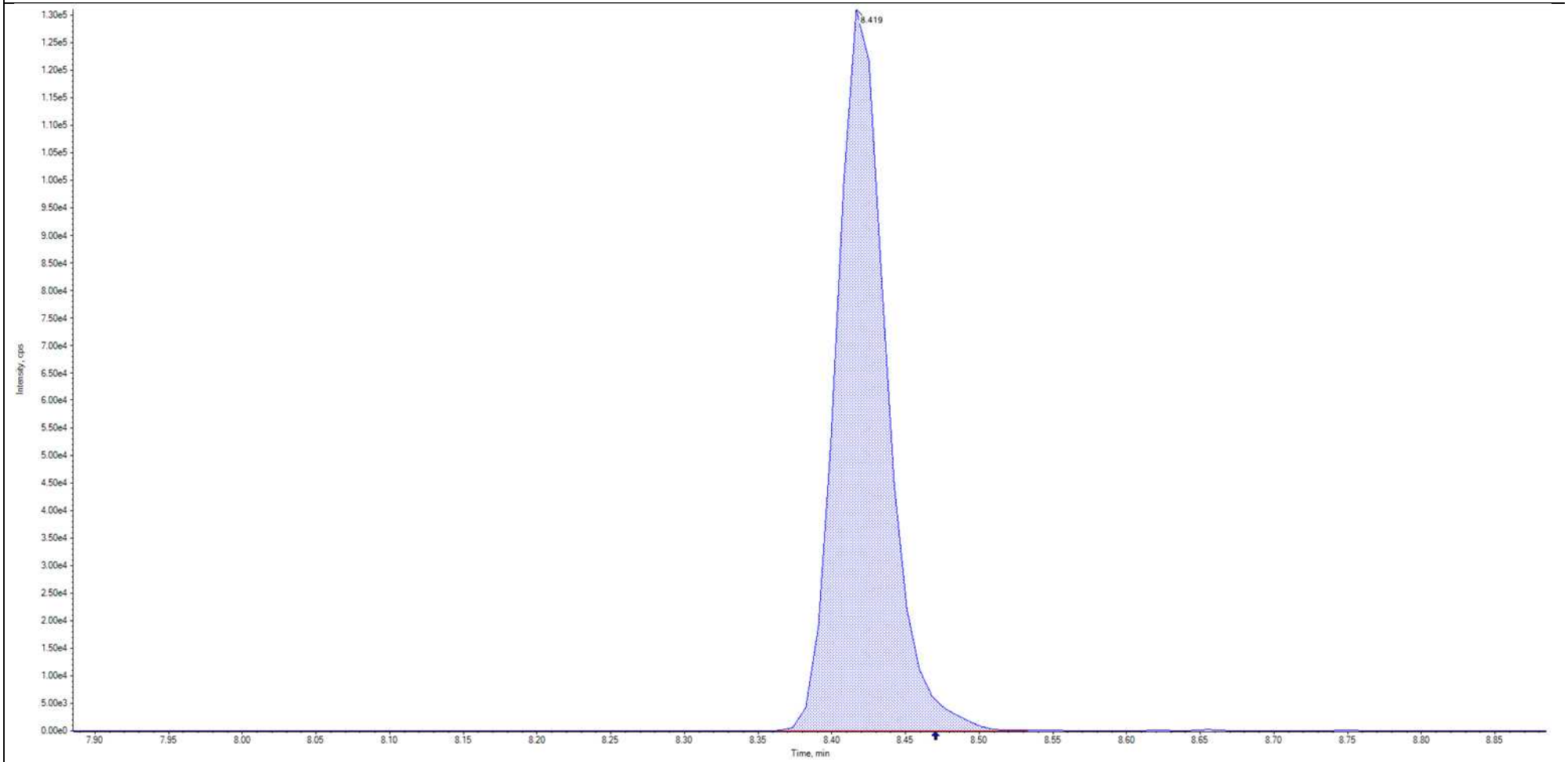

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C2-PFDoA
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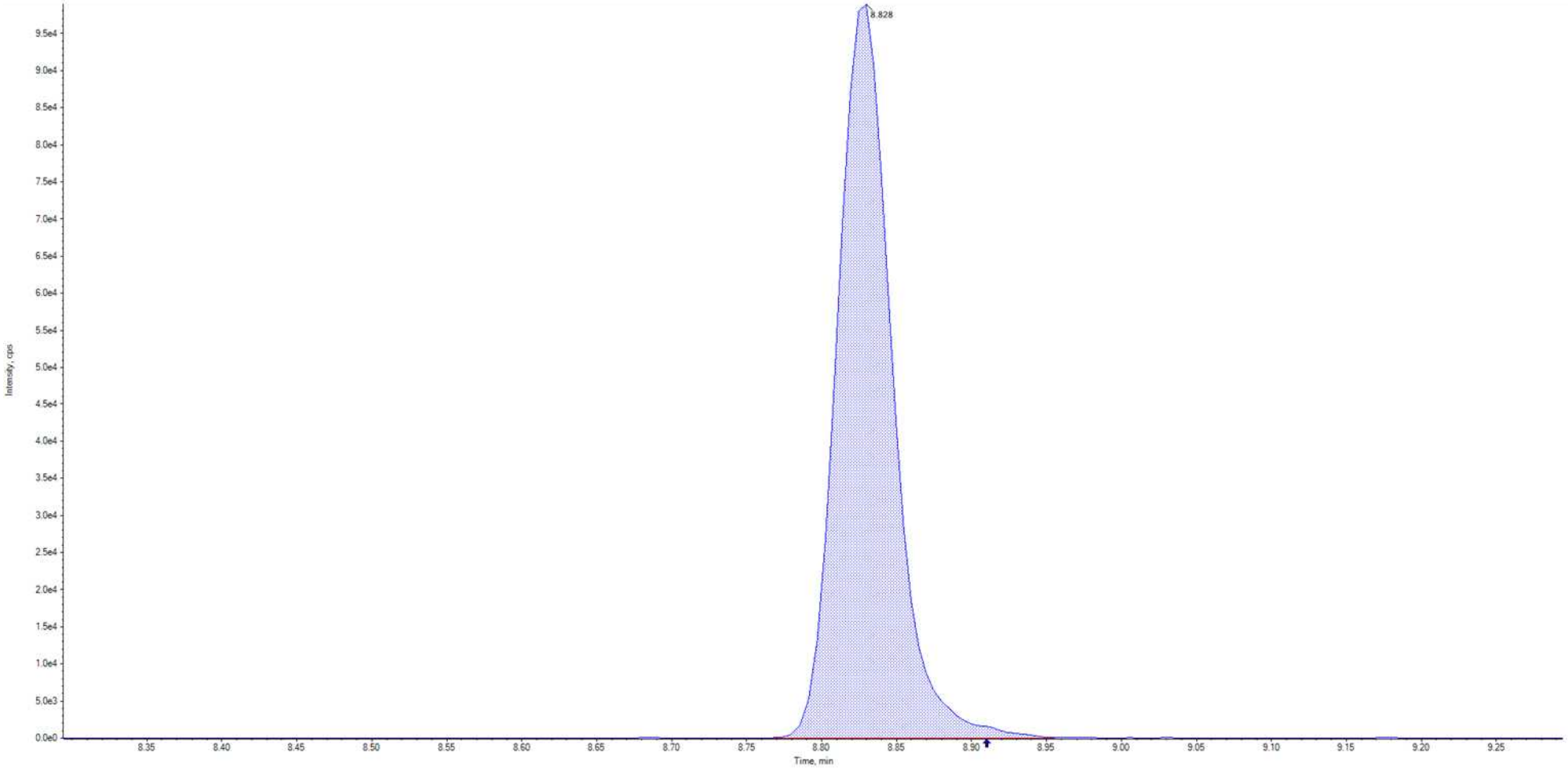
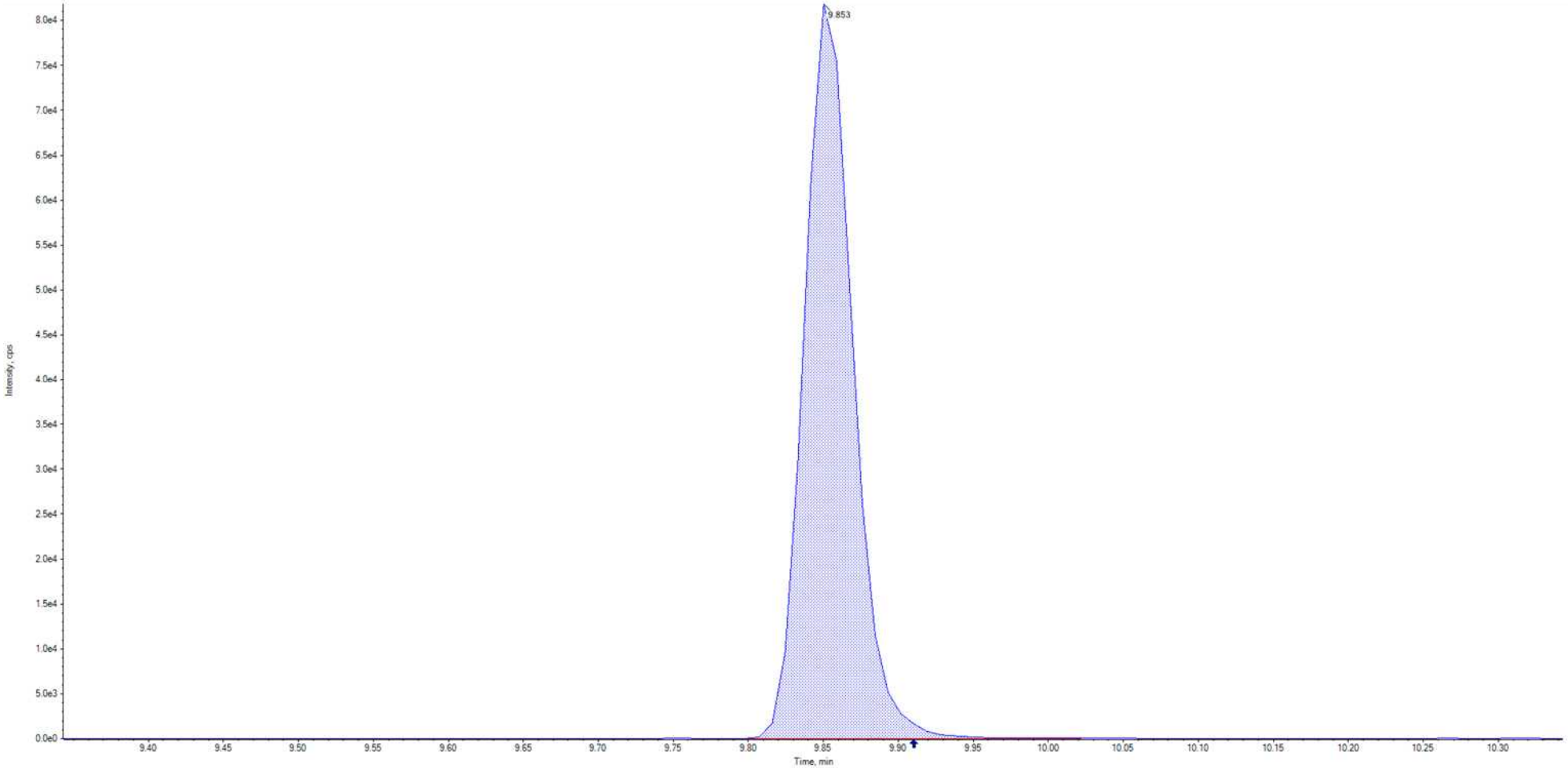


13C2-PFTeDA
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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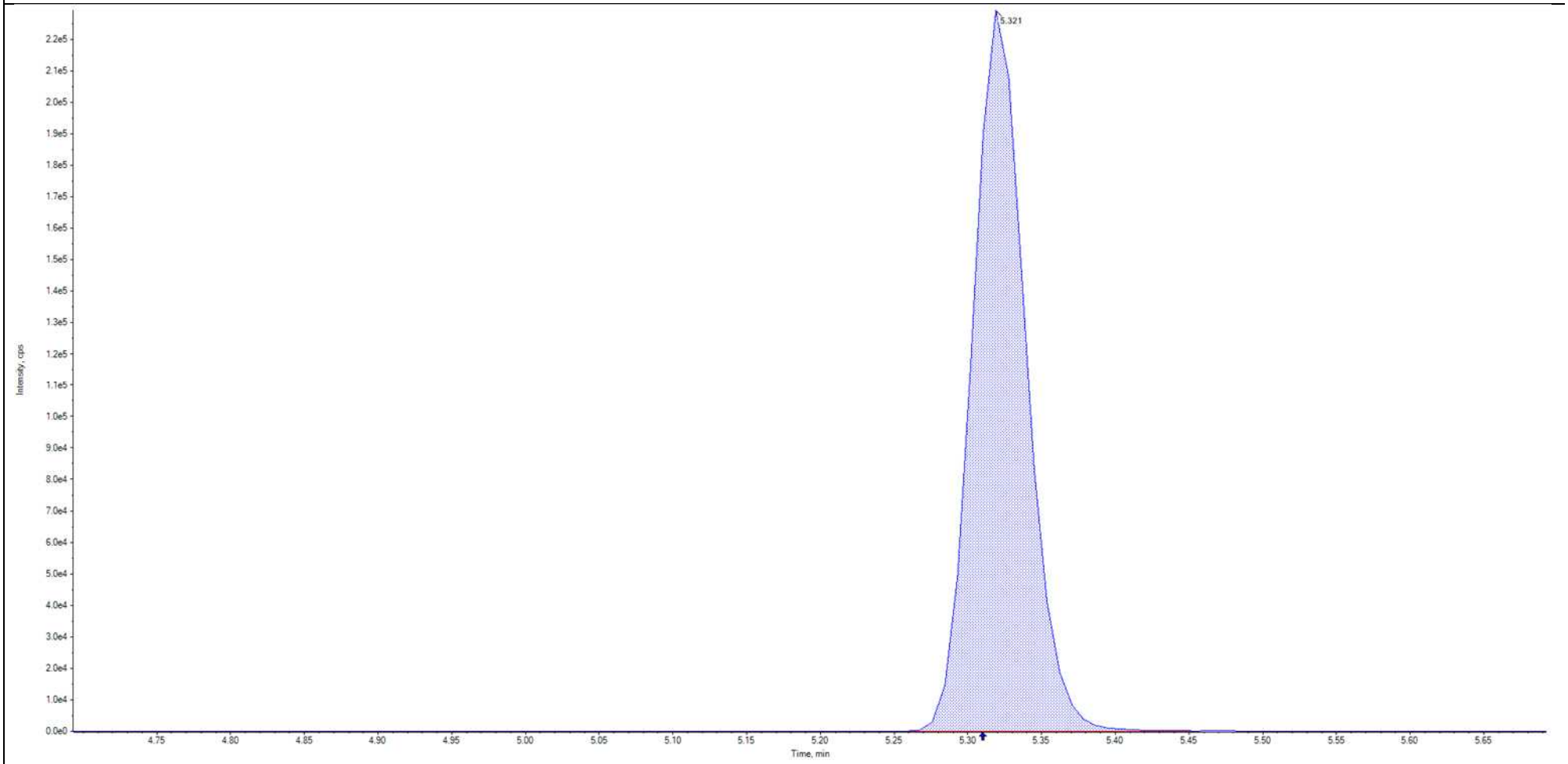
13C3-PFBS
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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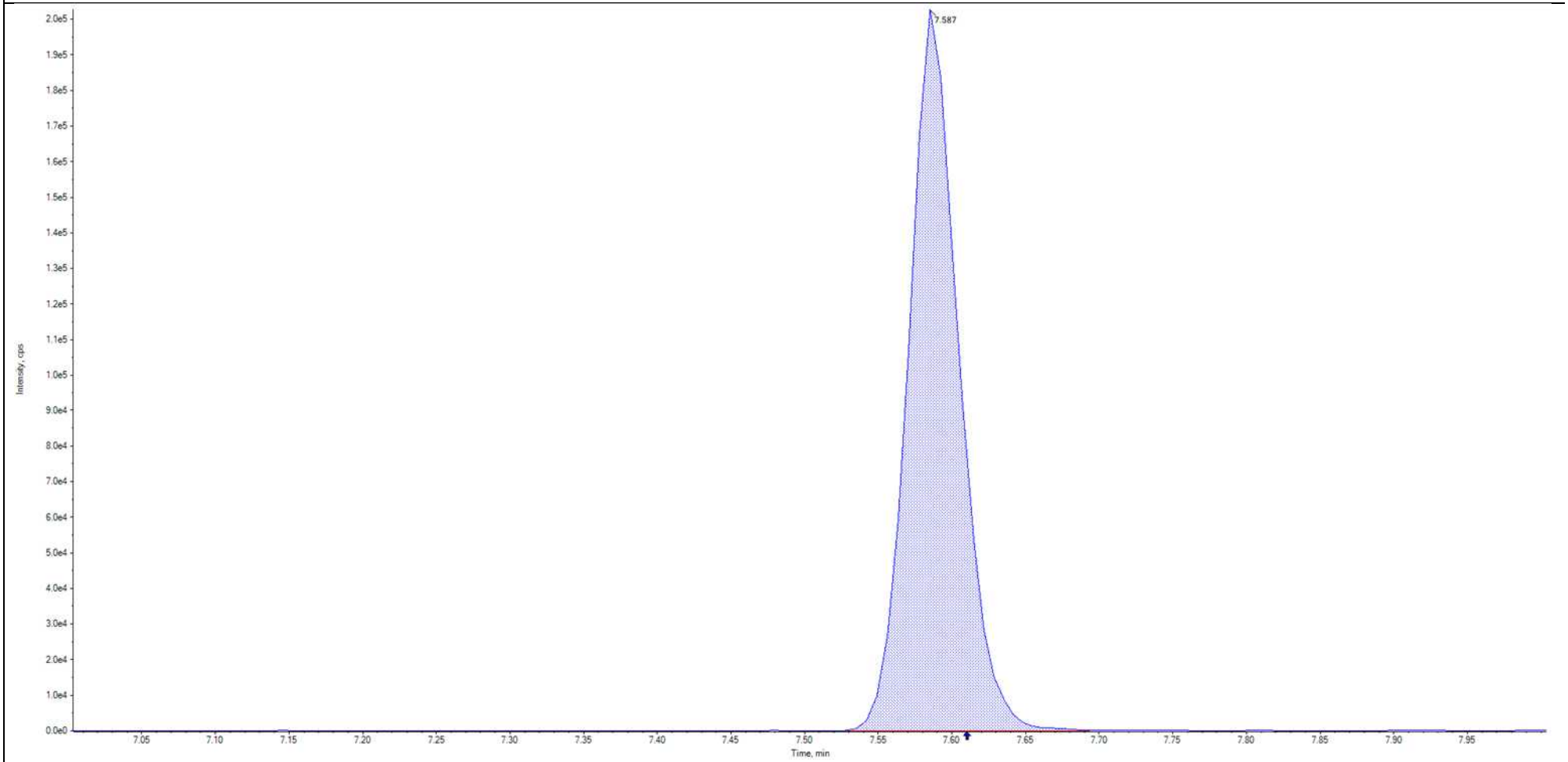
13C3-PFHxS
Sample: L2447890-13



13C8-PFOS
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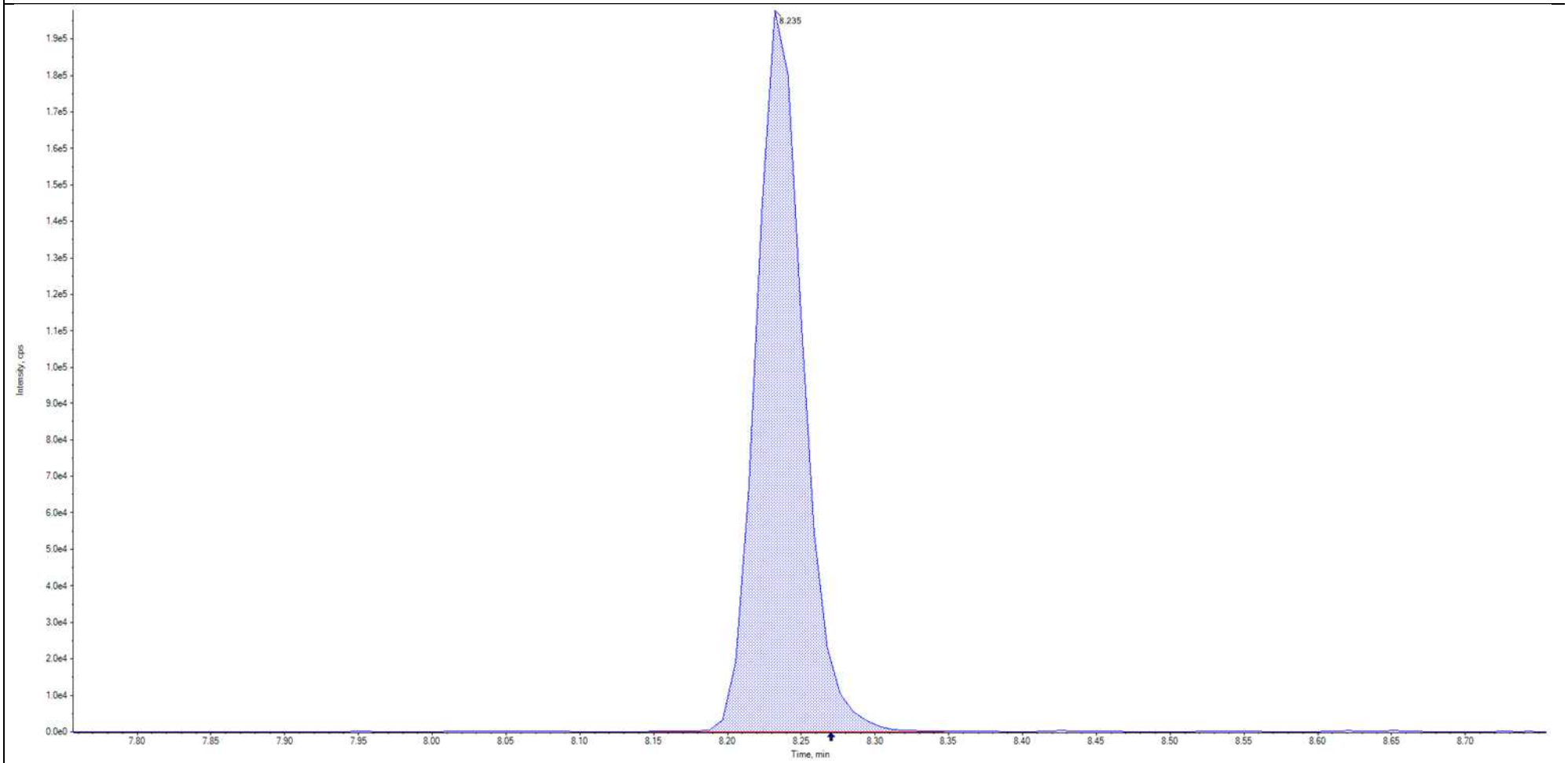
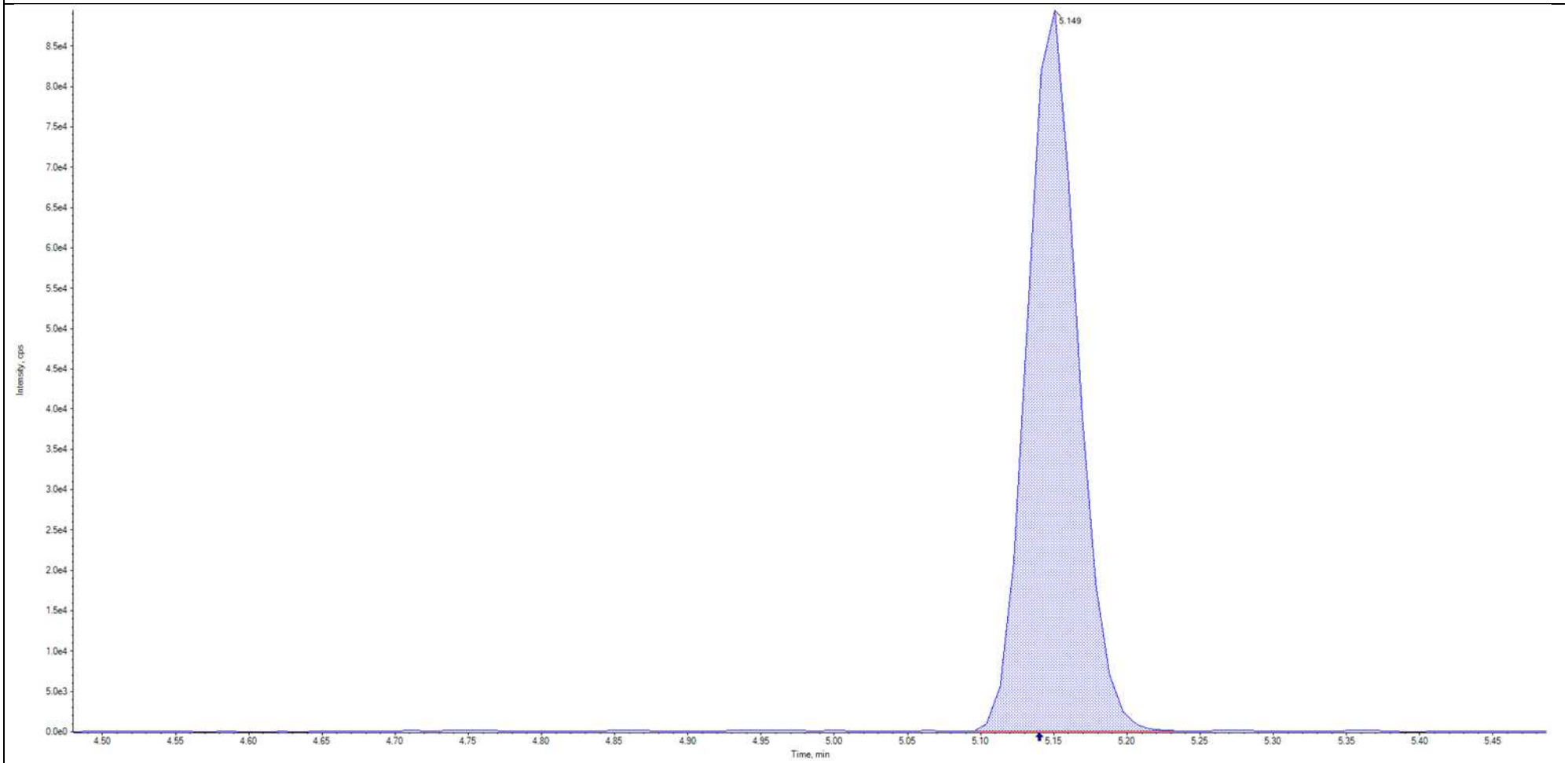


13C2-4:2FTS
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C2-6:2FTS
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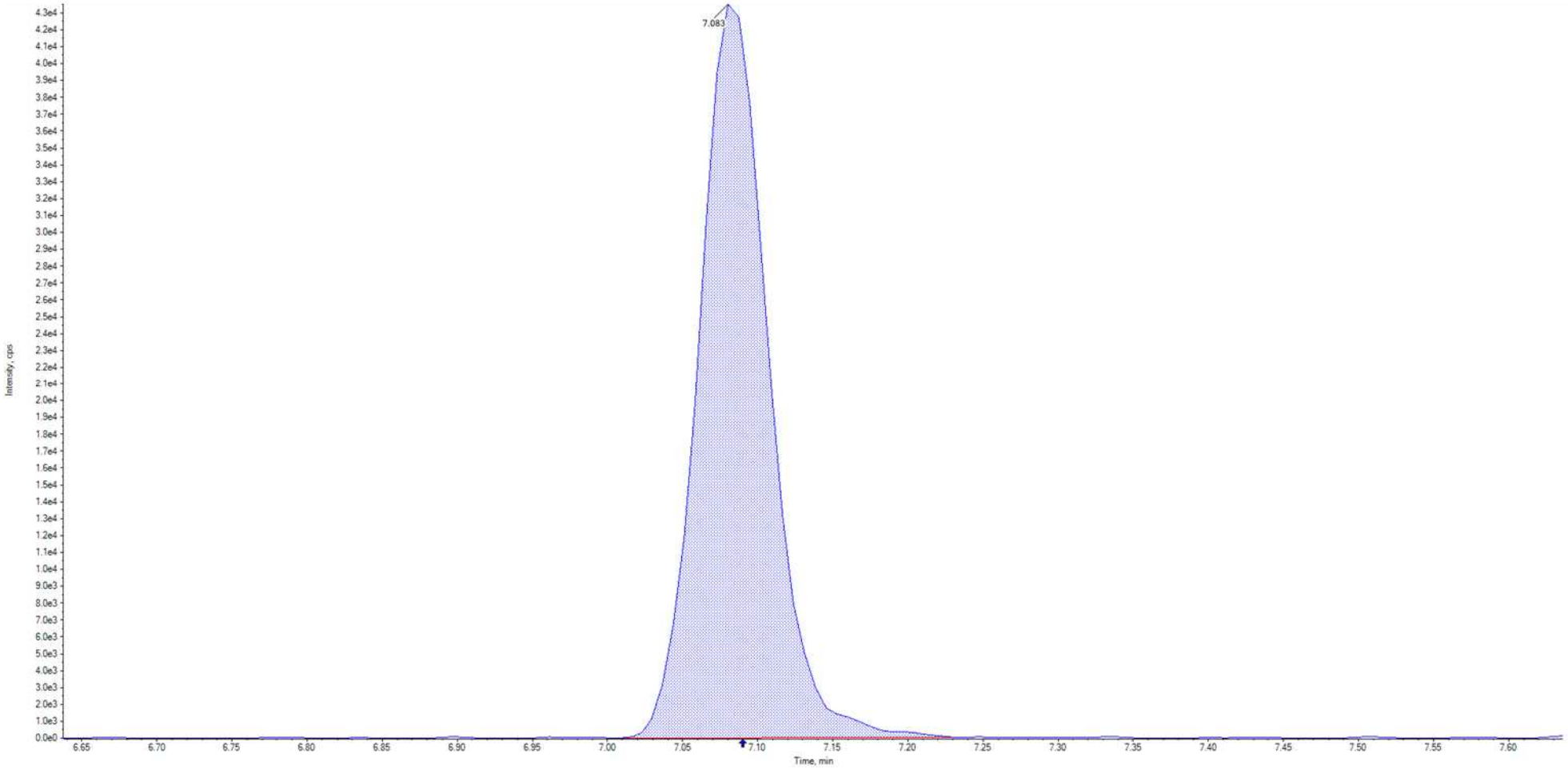
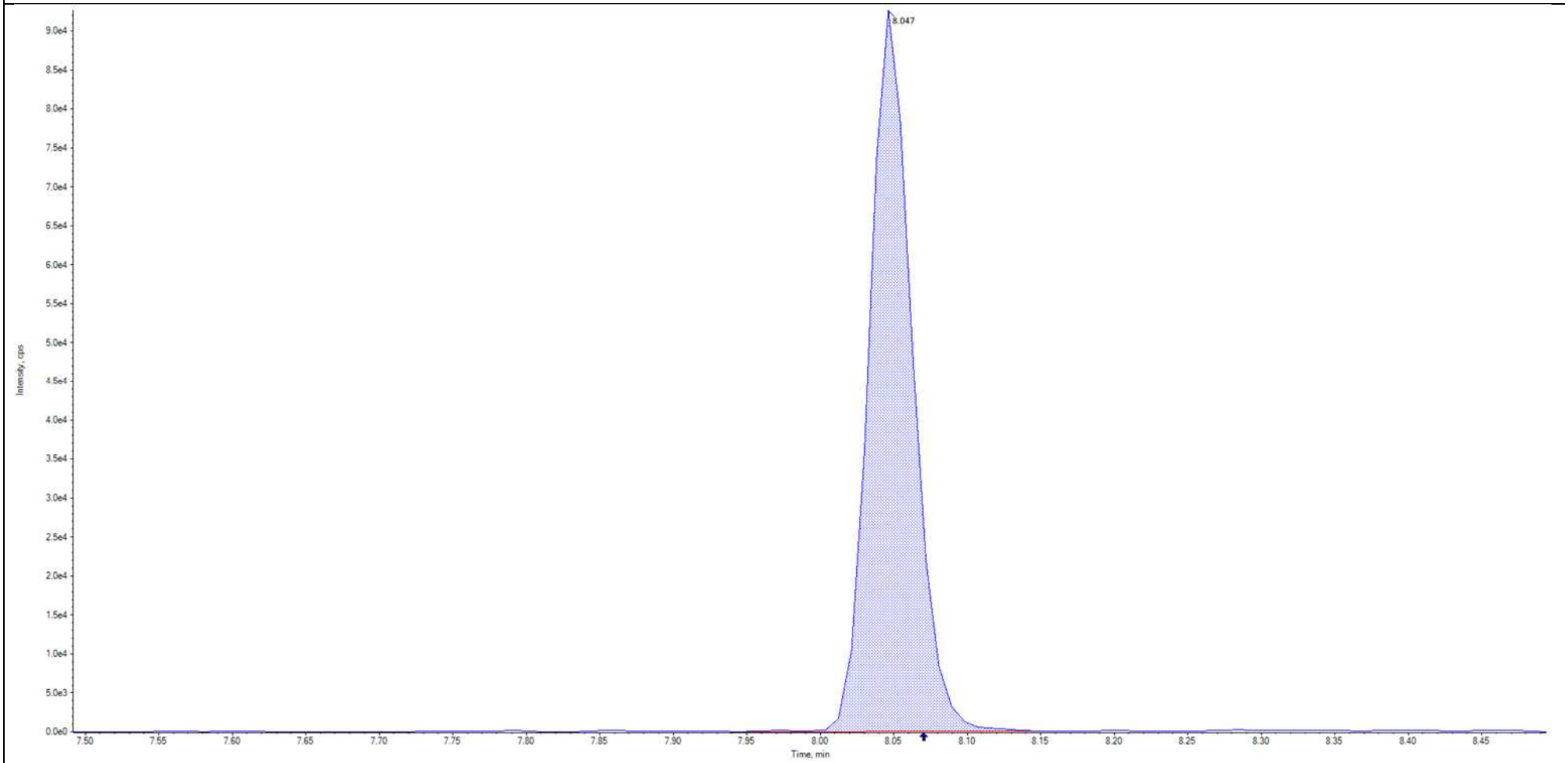


13C2-8:2FTS
Sample: L2447890-13



13C8-PFOSA
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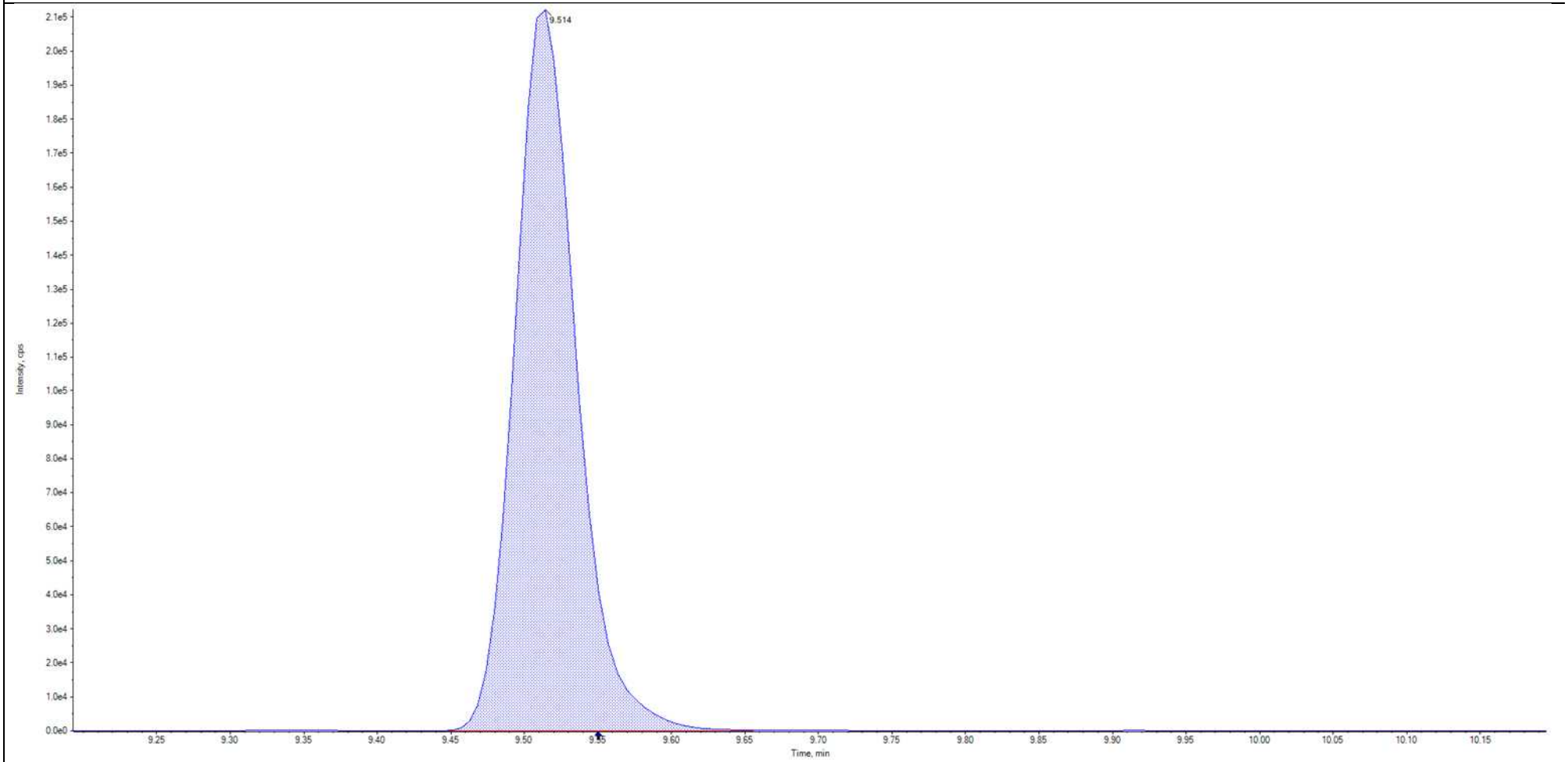
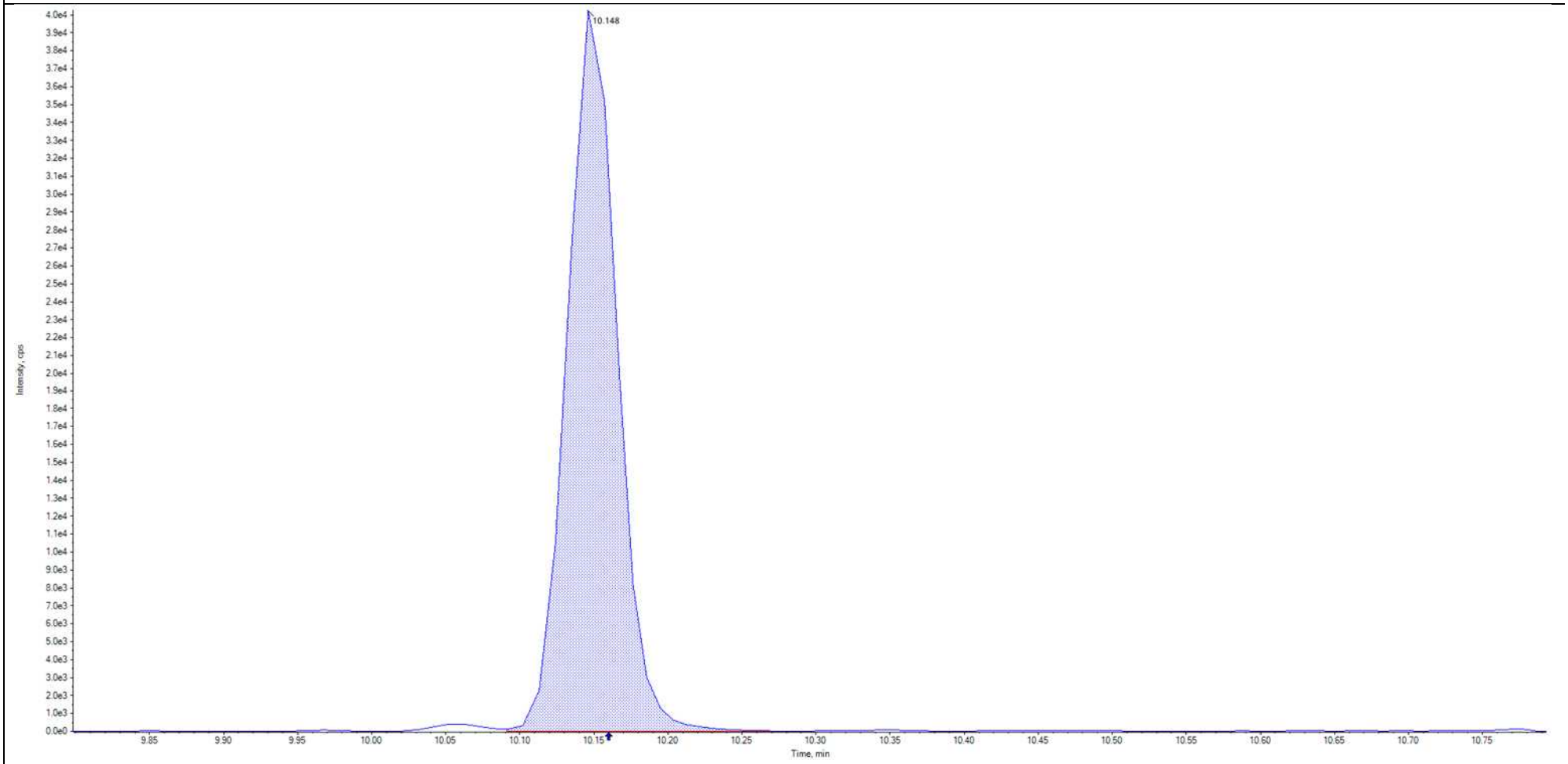
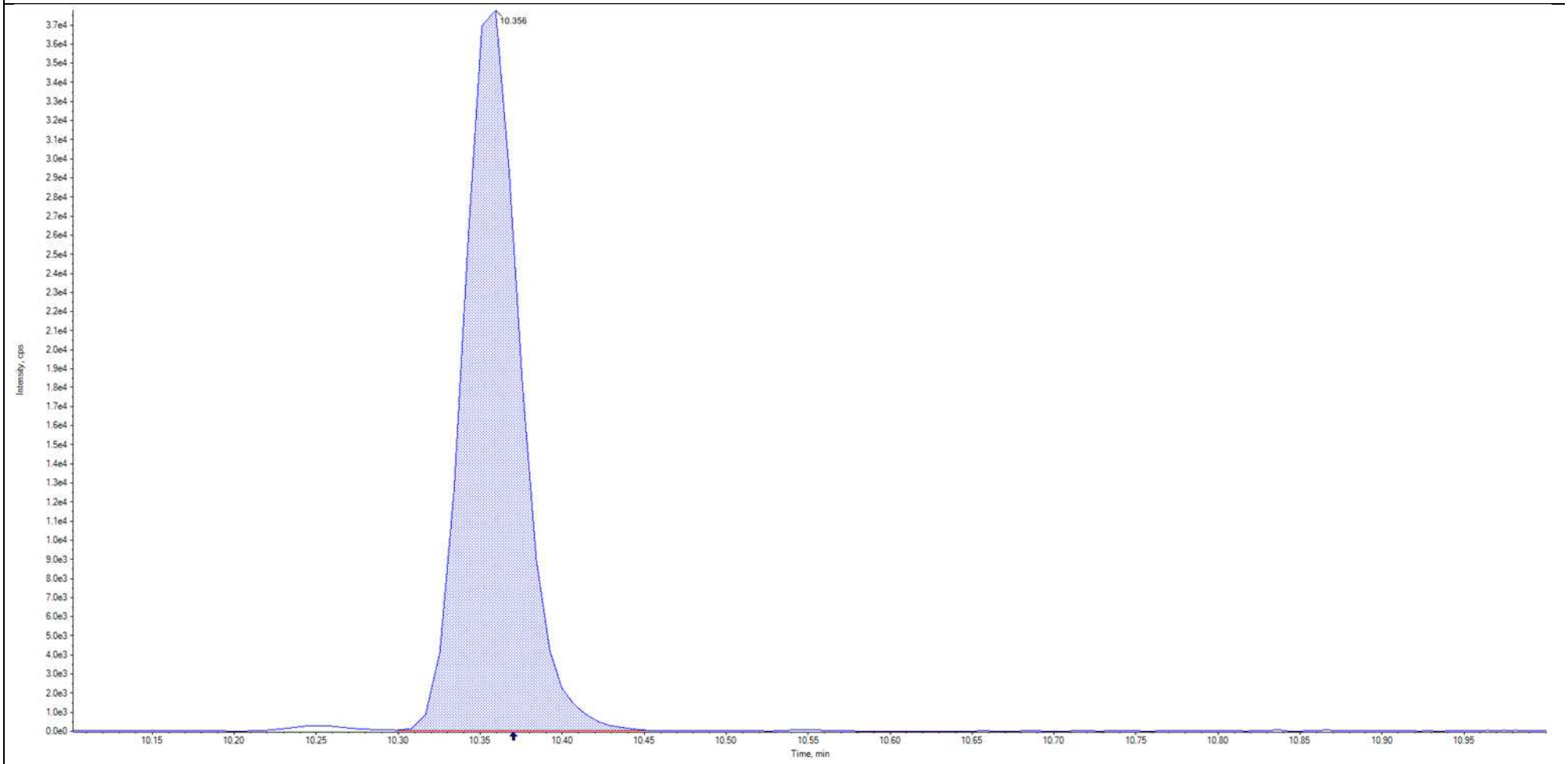


d3-NMeFOSA
Sample: L2447890-13



d5-NEtFOSA
Sample: L2447890-13



d3-NMeFOSAA
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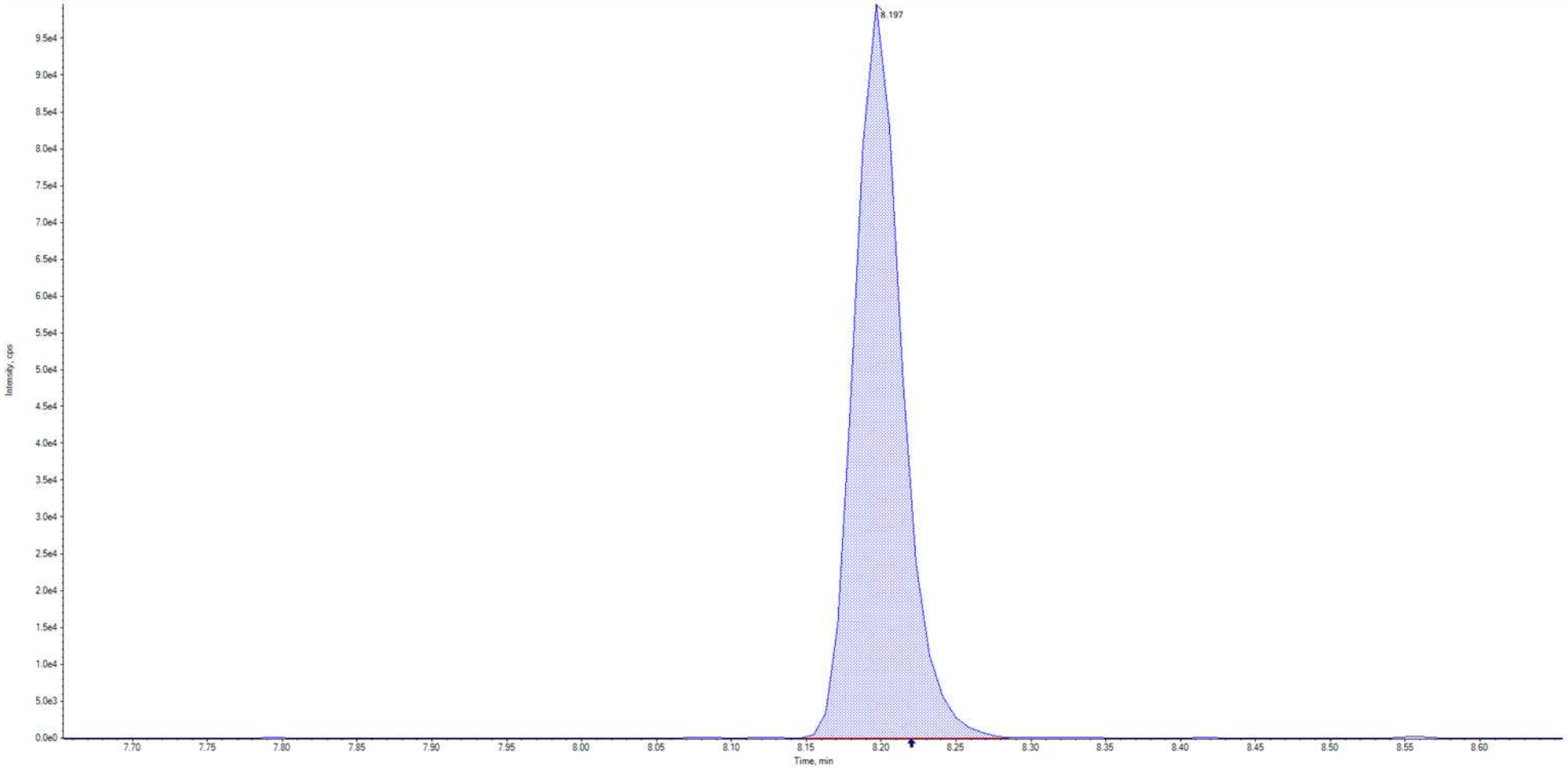

d5-NEtFOSAA
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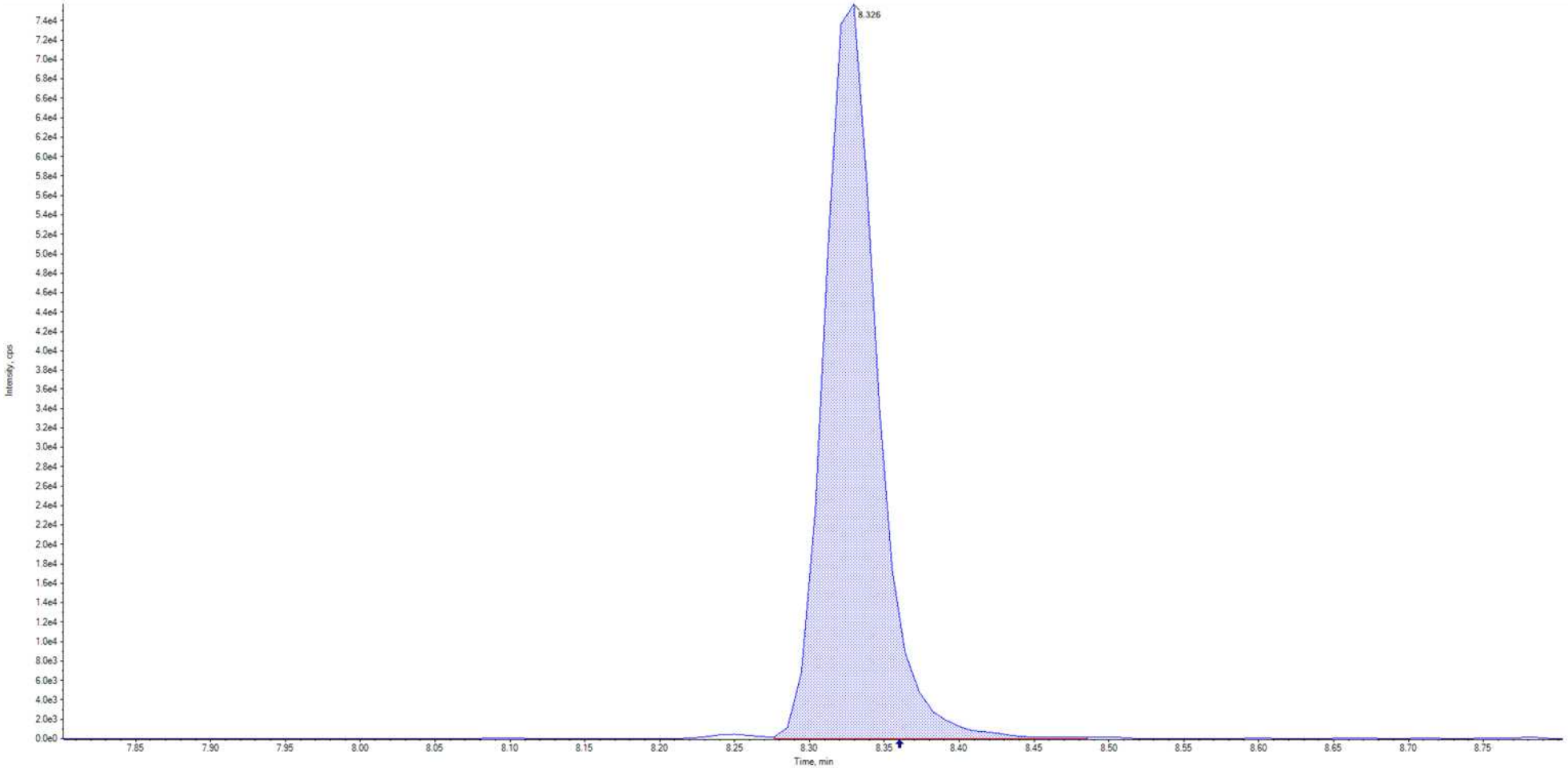

d7-NMeFOSE
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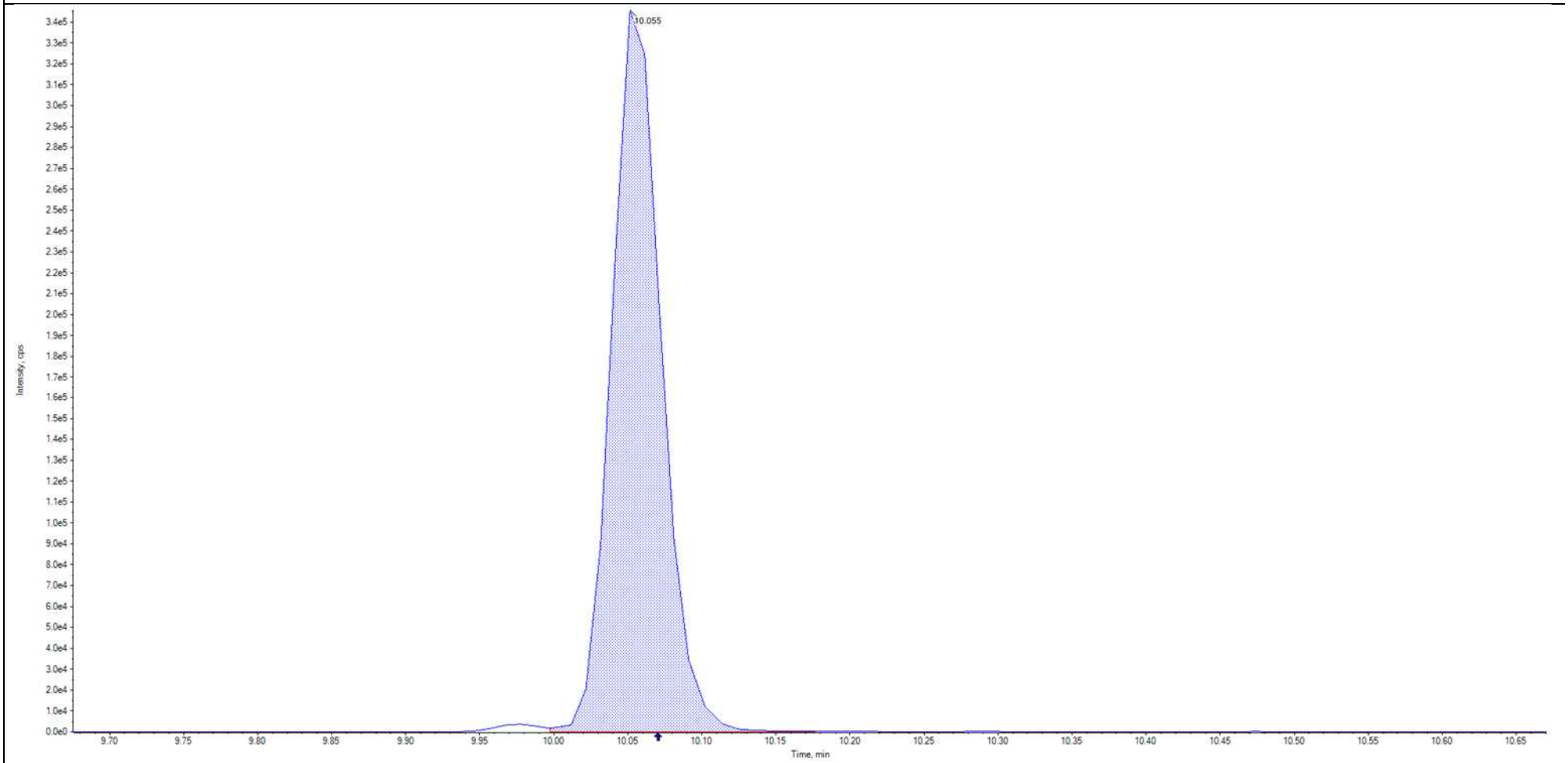
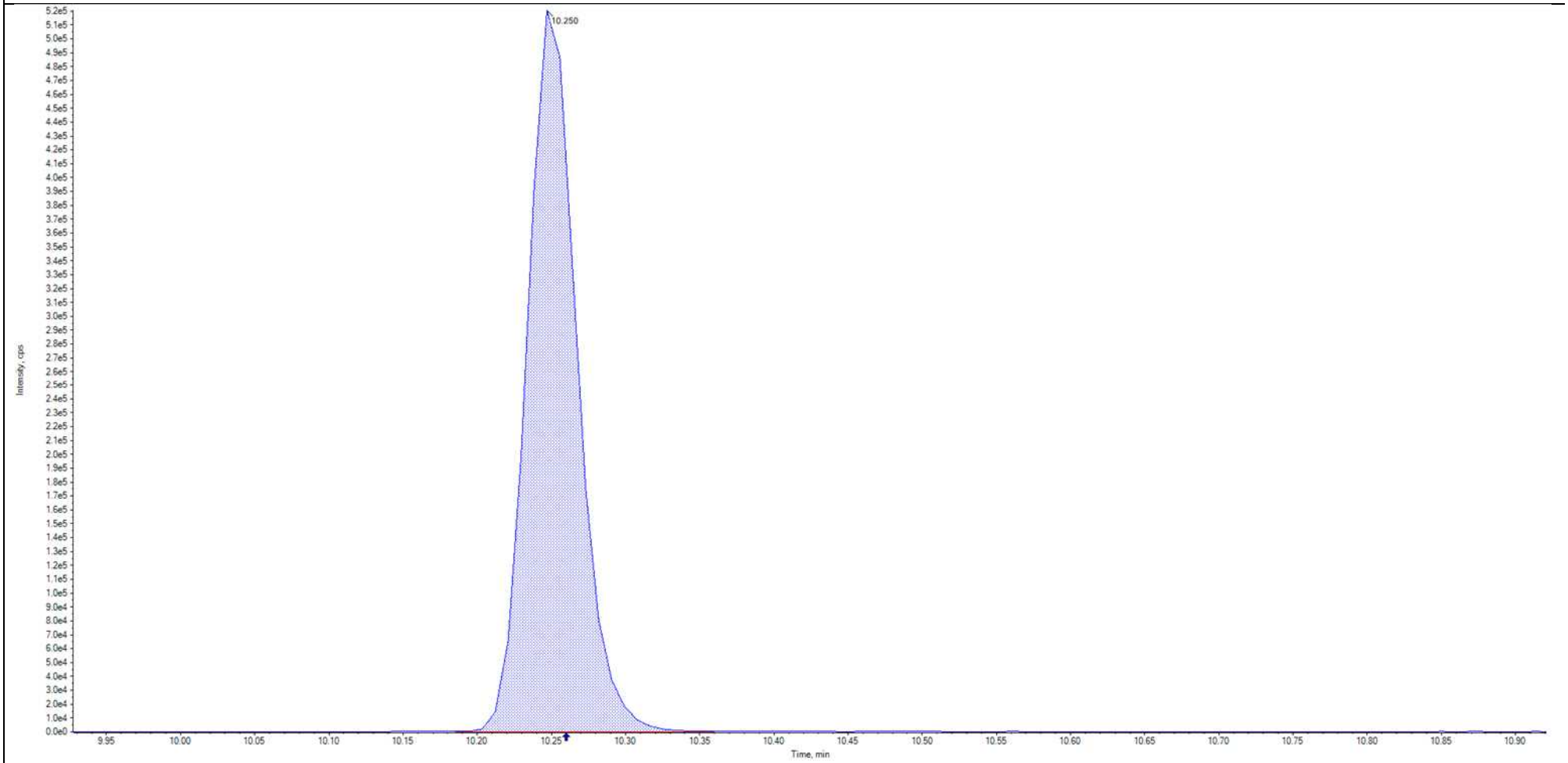
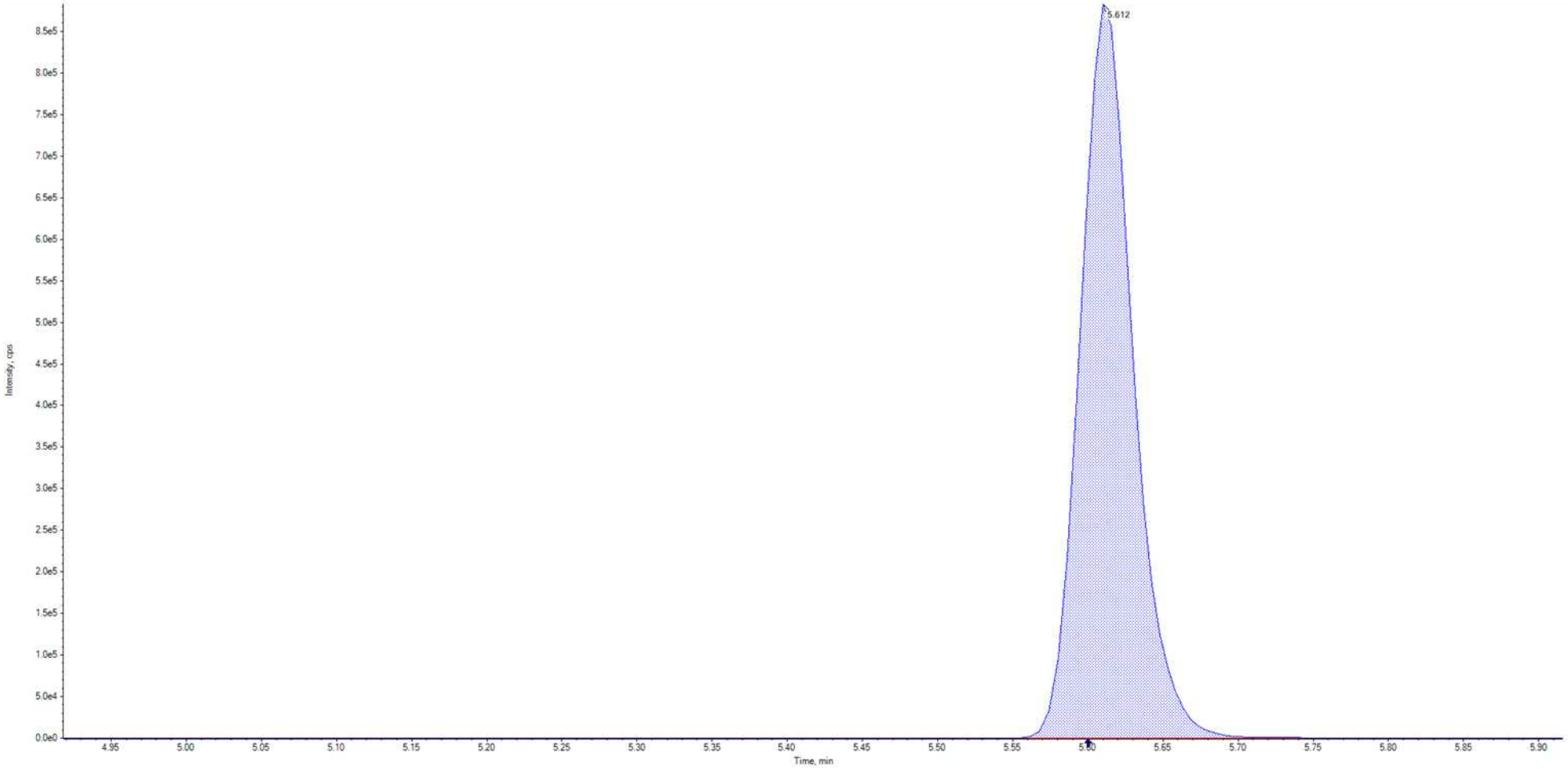


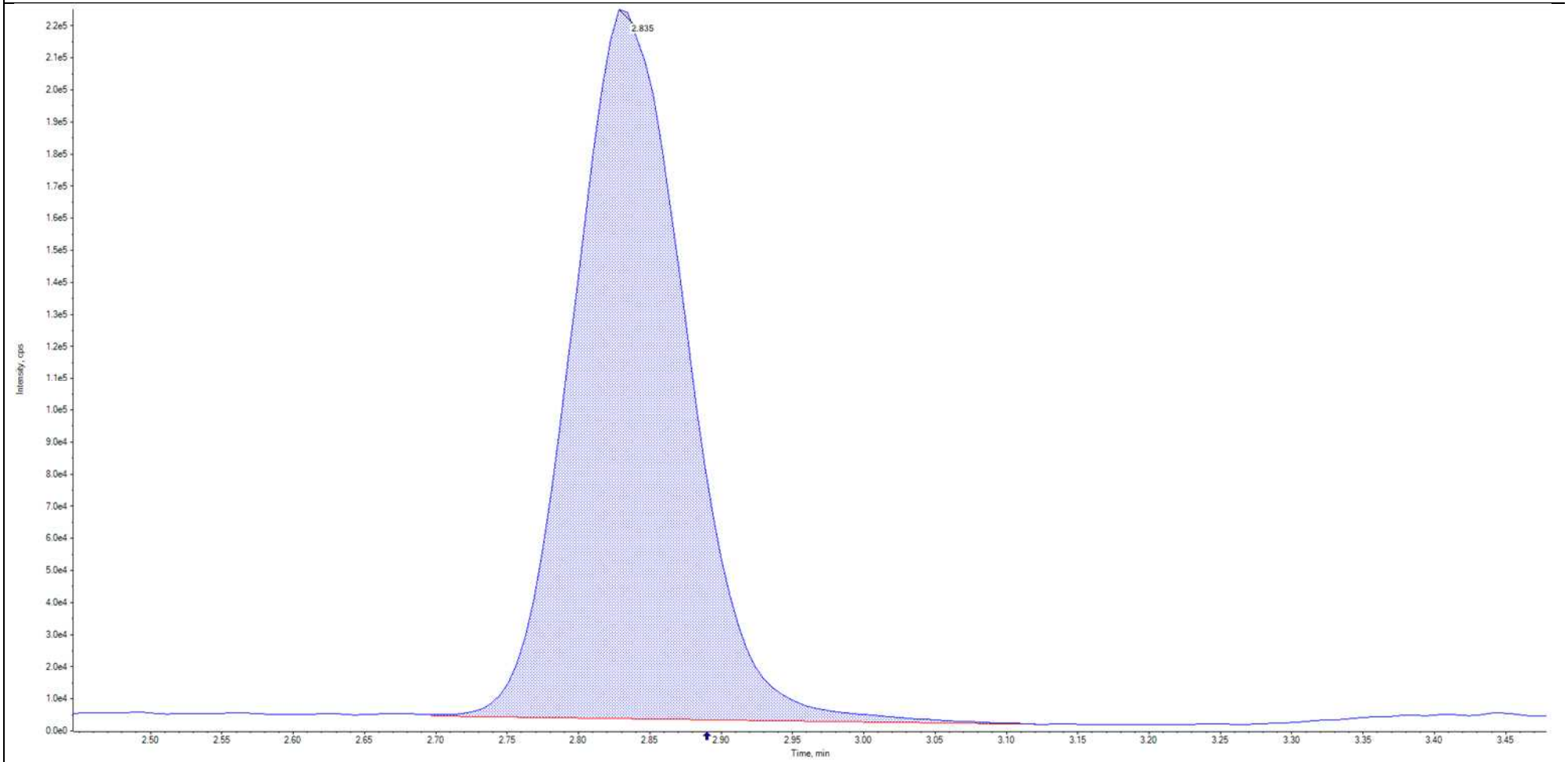
d9-NEtFOSE
Sample: L2447890-13



13C3-HFPO-DA
Sample: L2447890-13



13C3-PFBA
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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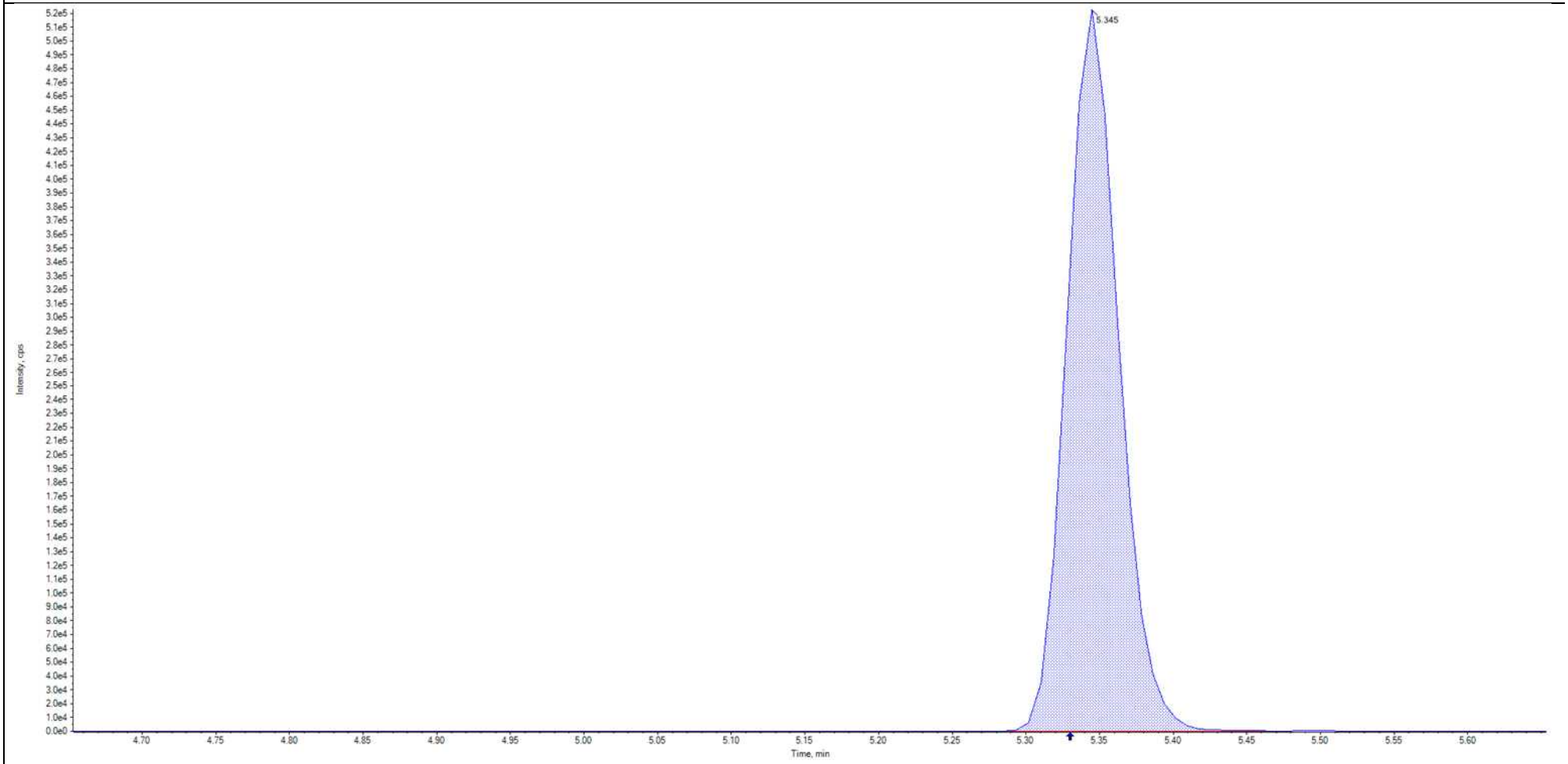
Generated: 9/18/2024 6:35:36 AM

13C2-PFHxA
Sample: L2447890-13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C4-PFOA
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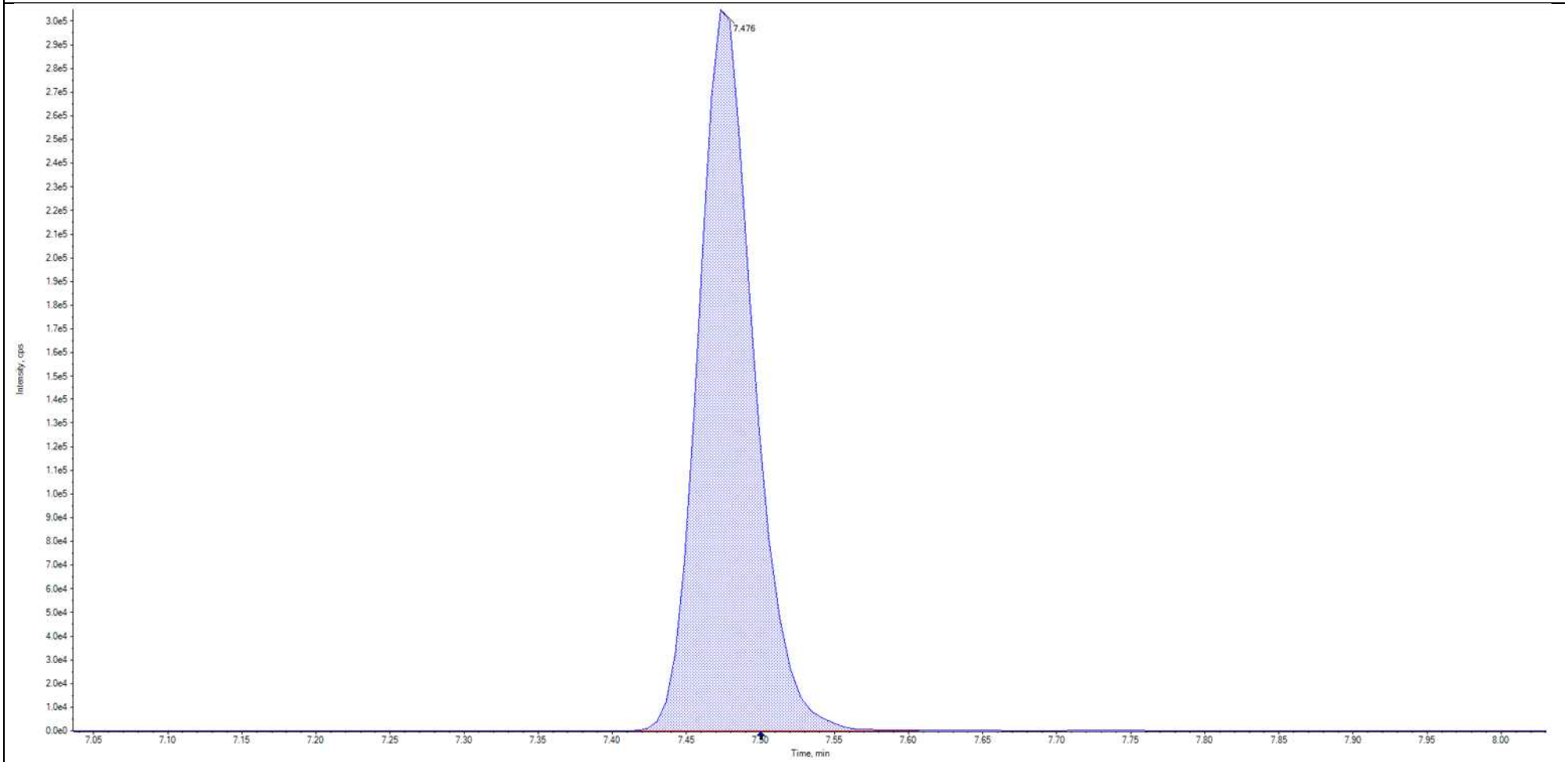
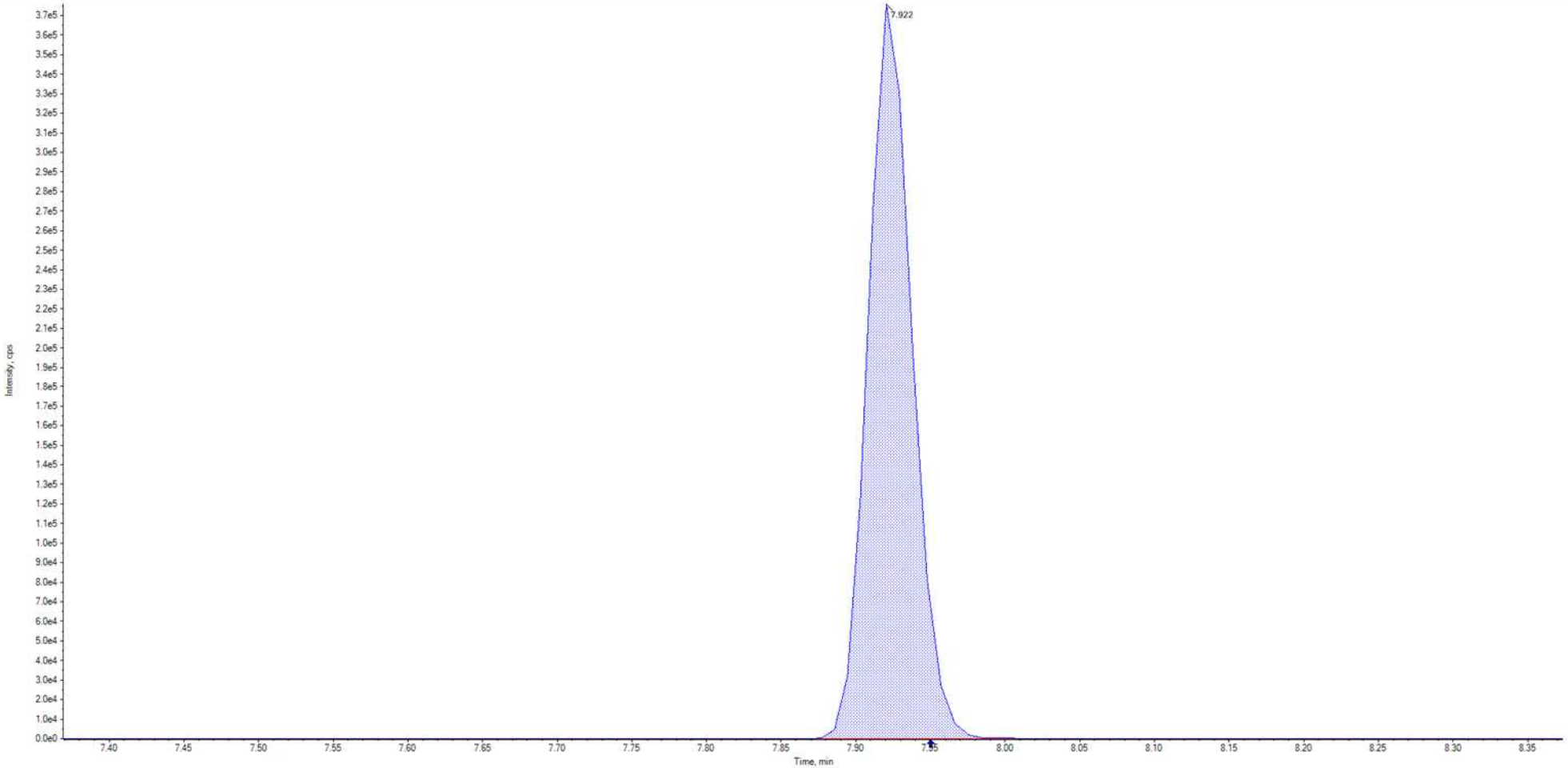
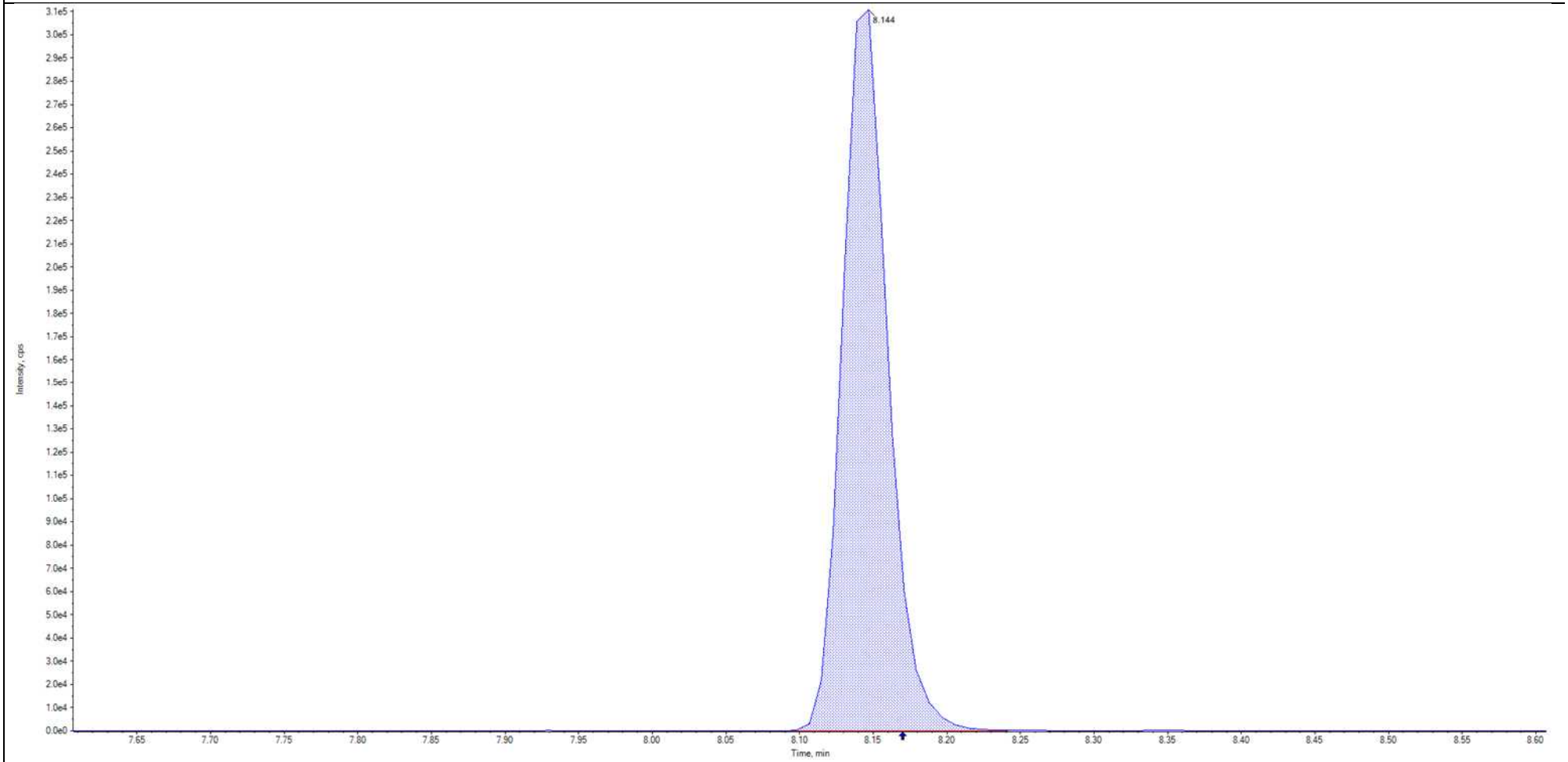


13C5-PFNA
Sample: L2447890-13



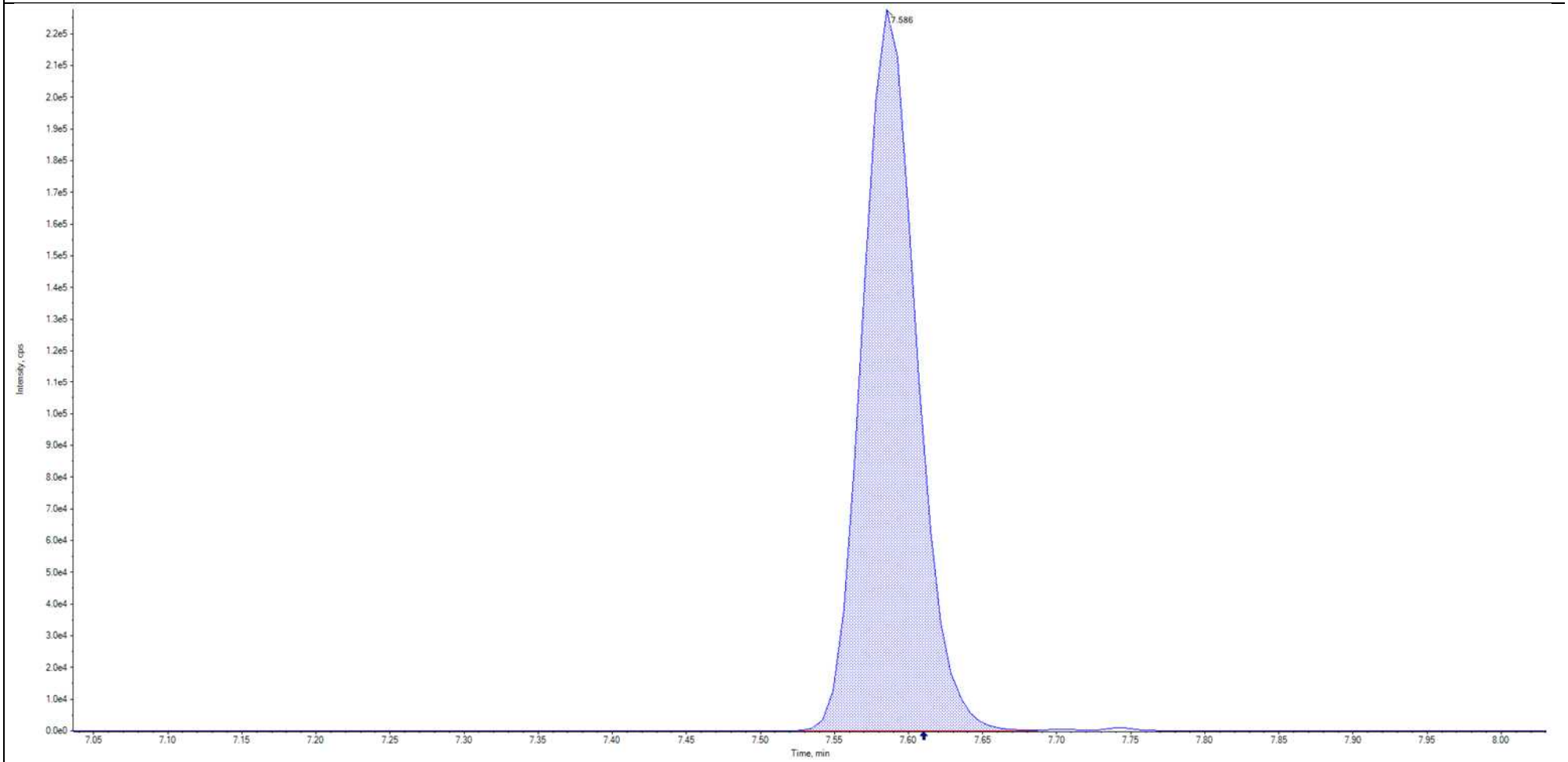
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

13C2-PFDA
Sample: L2447890-13

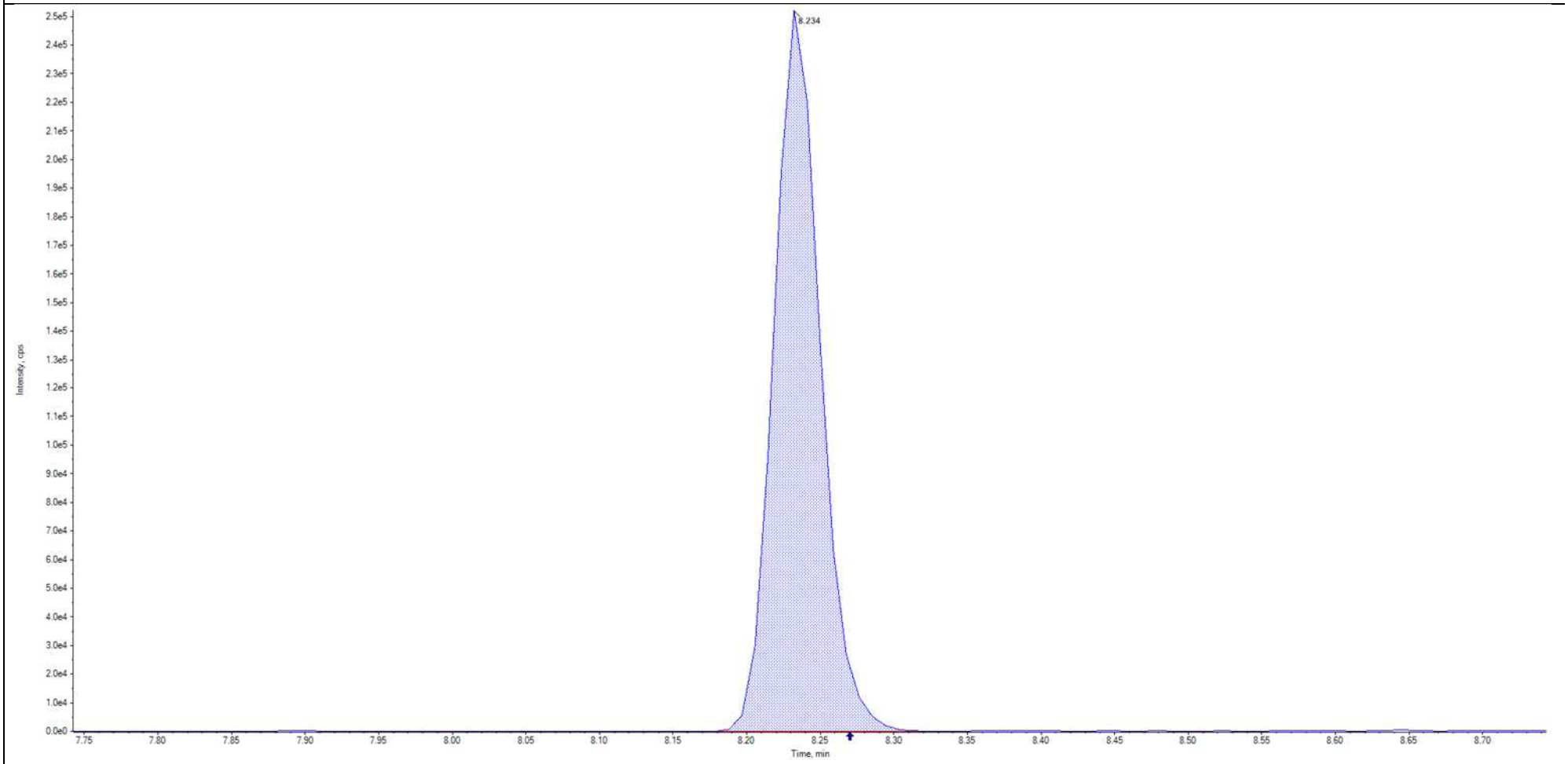


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

18O2-PFHxS
Sample: L2447890-13



13C4-PFOS
Sample: L2447890-13



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_26.wiff
Last Altered: 9/18/2024 1:57:23 PM
Generated: 9/18/2024 6:35:36 AM

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

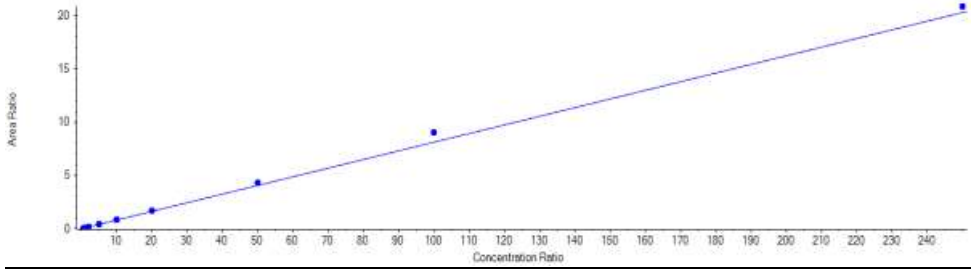
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	2.90	2709000	76984	0.35	87.6	0.71	323	True	0.96
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	2.90	2592000	159293	0.76	94.7	0.77	548	True	0.96
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	2.89	2519000	392007	1.92	95.9	0.78	791	True	0.94
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	2.90	2585000	1039126	4.96	99.1	0.80	1468	True	0.98
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	2.90	2681000	2162387	9.95	99.5	0.81	2017	True	1.16
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	2.89	2451000	4086434	20.56	102.8	0.83	2618	True	1.06
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	2.89	2355000	10163727	53.21	106.4	0.86	4525	True	1.08
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	2.89	2151000	19372954	111.06	111.1	0.90	6259	True	1.07
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	2.89	1978000	41238756	257.04	102.8	0.83	7593	True	1.35

Analyte Name: PFBA
Regression Equation: y = 0.811 x (std. dev. = 0.006) (weighting: None)
Calibration Fit: RSD = 6.87 RSE = 6.87
Average RF:0.811 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

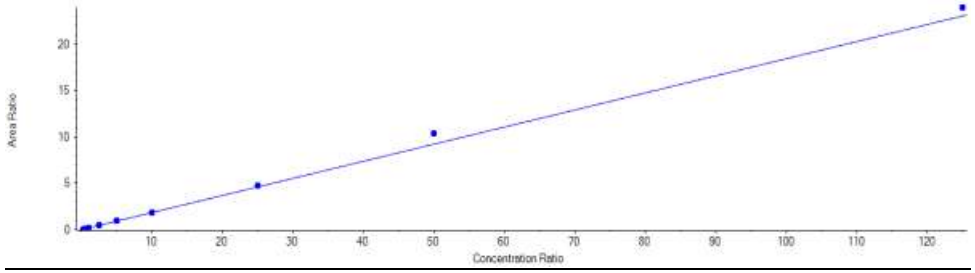
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.64	1742000	58992	0.18	91.8	0.85	359	True	1.60
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.64	1675000	115247	0.37	93.3	0.86	387	True	1.34
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.64	1617000	285758	0.96	95.8	0.88	1221	True	1.55
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.65	1673000	782592	2.54	101.5	0.94	1886	True	1.05
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.65	1701000	1580428	5.04	100.8	0.93	1993	True	1.29
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.64	1593000	2862778	9.74	97.4	0.90	4666	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.64	1536000	7315685	25.84	103.4	0.95	4328	True	1.41
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.65	1347000	13922796	56.05	112.1	1.03	8593	True	1.46
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	4.65	1241000	29743263	129.97	104.0	0.96	9629	True	1.09

Analyte Name: PFPeA
Regression Equation: y = 0.922 x (std. dev. = 0.012) (weighting: None)
Calibration Fit: RSD = 6.25 RSE = 6.25
Average RF:0.922 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

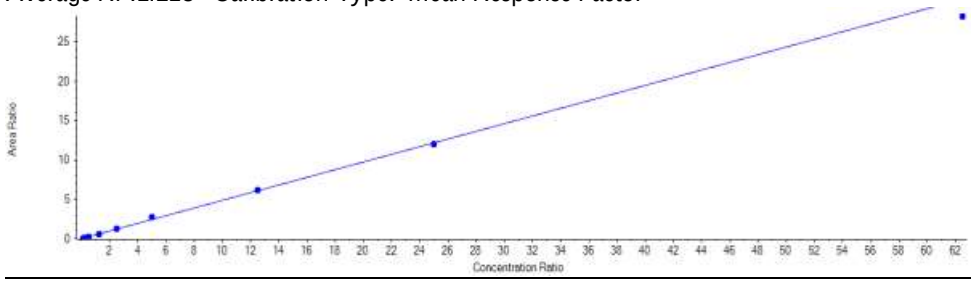
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.34	1043000	53455	0.11	105.2	1.28	266	True	1.48
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.34	1082000	99881	0.19	94.7	1.15	307	True	1.47
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.34	1035000	234525	0.47	93.0	1.13	716	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.34	1088000	643791	1.21	97.1	1.18	1119	True	1.18
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.34	1067000	1354168	2.60	104.2	1.27	1122	True	1.00
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.34	995300	2736579	5.64	112.8	1.38	2013	True	1.44
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.34	1062000	6556474	12.67	101.4	1.24	2673	True	1.28
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.34	952600	11476754	24.72	98.9	1.21	4199	True	1.41
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.34	942500	26624209	57.96	92.7	1.13	4600	True	1.13

Analyte Name: PFHxA
Regression Equation: y = 1.218 x (std. dev. = 0.032) (weighting: None)
Calibration Fit: RSD = 6.61 RSE = 6.61
Average RF:1.218 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

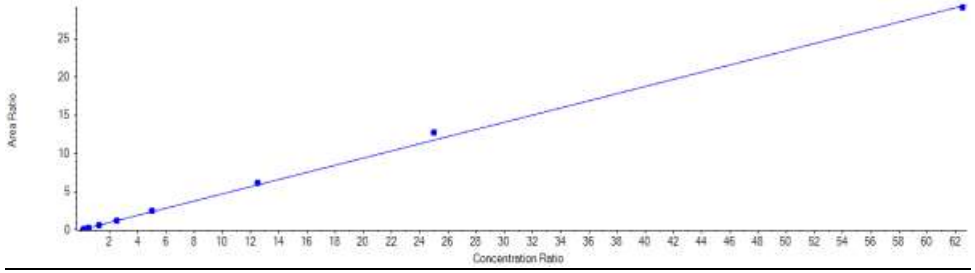
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.25	1100000	47414	0.09	92.0	1.08	332	True	1.31
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.25	1063000	96463	0.19	96.9	1.13	557	True	1.47
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.25	1030000	227673	0.47	94.3	1.11	1128	True	1.42
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.25	1052000	614946	1.25	99.8	1.17	1930	True	1.22
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.25	1102000	1316642	2.55	102.0	1.20	2287	True	1.33
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.25	1011000	2442453	5.16	103.2	1.21	3033	True	1.36
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.25	1027000	6242426	12.97	103.8	1.22	4597	True	1.36
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.25	948500	12077750	27.18	108.7	1.27	6436	True	1.32
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.25	941100	27365507	62.08	99.3	1.16	9844	True	1.26

Analyte Name: PFHpA
Regression Equation: y = 1.171 x (std. dev. = 0.024) (weighting: None)
Calibration Fit: RSD = 5.14 RSE = 5.14
Average RF:1.171 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

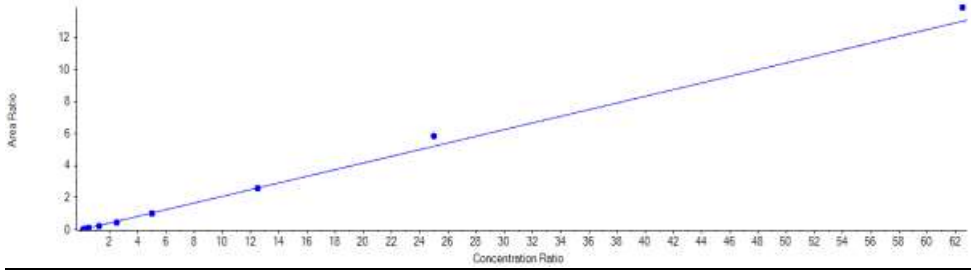
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.50	1630000	36354	0.11	107.1	0.56	198	True	0.10
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.50	1558000	61419	0.19	94.7	0.49	276	True	0.11
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.50	1455000	152387	0.50	100.6	0.52	595	True	0.16
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.51	1574000	383547	1.17	93.7	0.49	950	True	0.16
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.50	1615000	762266	2.27	90.7	0.47	1608	True	0.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.50	1464000	1457619	4.79	95.7	0.50	2159	True	0.16
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.50	1477000	3795945	12.35	98.8	0.51	3257	True	0.14
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.51	1332000	7765819	28.01	112.1	0.58	4787	True	0.11
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.50	1314000	18218936	66.64	106.6	0.56	6395	True	0.12

Analyte Name: PFOA
Regression Equation: y = 0.520 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 7.20 RSE = 7.20
Average RF:0.520 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

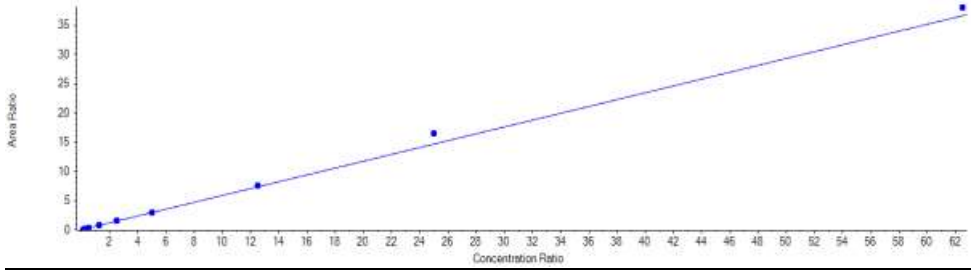
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.95	750800	37224	0.09	84.7	0.62	285	True	0.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.95	758100	81852	0.18	92.2	0.68	518	True	0.40
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.95	707900	203035	0.49	98.0	0.72	709	True	0.39
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.95	745800	540767	1.24	99.1	0.73	1132	True	0.40
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.95	718900	1108082	2.63	105.3	0.77	1389	True	0.39
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.95	713200	2096579	5.02	100.4	0.74	2134	True	0.33
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.95	714000	5432775	12.99	104.0	0.76	3350	True	0.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.95	621400	10245828	28.16	112.6	0.82	5226	True	0.31
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.95	598800	22763835	64.92	103.9	0.76	5978	True	0.29

Analyte Name: PFNA
Regression Equation: y = 0.732 x (std. dev. = 0.047) (weighting: None)
Calibration Fit: RSD = 8.06 RSE = 8.06
Average RF:0.732 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

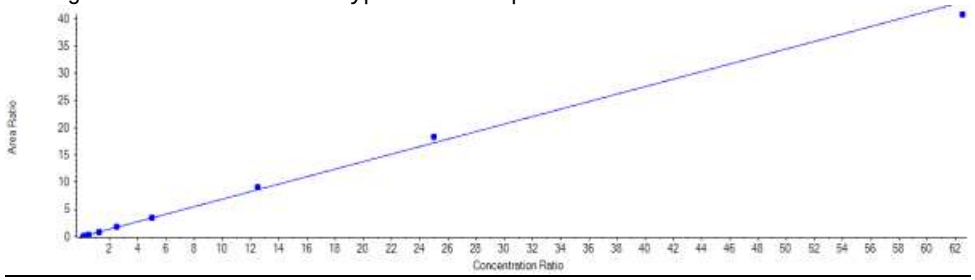
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.18	755900	52636	0.10	101.0	0.87	434	True	1.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.18	745000	96779	0.19	94.2	0.81	980	True	1.35
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.17	709400	227128	0.46	92.9	0.80	1669	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.18	725600	639422	1.28	102.3	0.88	2620	True	1.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.18	724500	1298863	2.60	104.0	0.90	3531	True	1.21
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.18	696100	2380952	4.96	99.2	0.86	3502	True	1.64
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.18	655800	5967617	13.20	105.6	0.91	5677	True	1.70
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.18	601100	10987417	26.51	106.1	0.91	7896	True	1.49
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.18	533200	21763691	59.21	94.7	0.82	10646	True	1.32

Analyte Name: PFDA
Regression Equation: y = 0.862 x (std. dev. = 0.035) (weighting: None)
Calibration Fit: RSD = 5.03 RSE = 5.03
Average RF:0.862 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

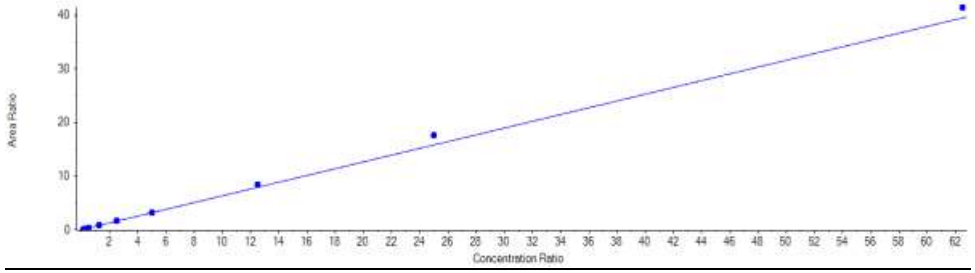
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.47	669300	35228	0.08	83.3	0.66	372	True	1.38
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.47	601600	70846	0.19	93.2	0.74	704	True	0.96
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.47	556900	174087	0.49	98.9	0.78	1324	True	0.96
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.47	575300	462255	1.27	101.7	0.80	2055	True	0.99
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.48	594700	954021	2.54	101.5	0.80	2597	True	0.97
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.47	582400	1816864	4.94	98.7	0.78	7886	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.47	523200	4390261	13.27	106.2	0.84	7069	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.47	464500	8197525	27.92	111.7	0.88	6315	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.47	410100	17004399	65.60	105.0	0.83	10439	True	1.28

Analyte Name: PFUnA
Regression Equation: y = 0.790 x (std. dev. = 0.052) (weighting: None)
Calibration Fit: RSD = 8.17 RSE = 8.17
Average RF:0.790 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

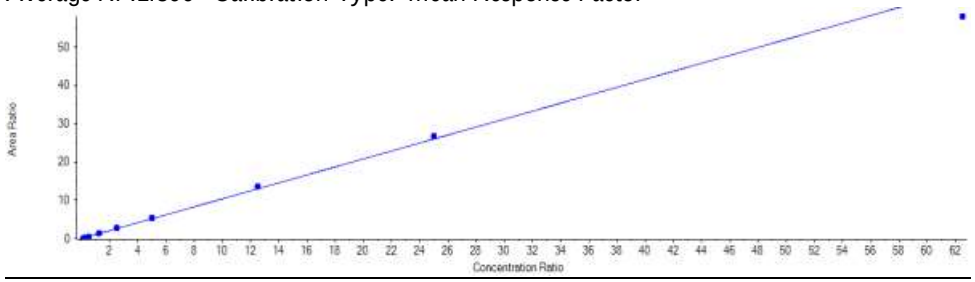
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.91	366900	35360	0.09	92.7	1.21	743	True	1.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.91	361600	71799	0.19	95.4	1.24	924	True	1.16
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.90	351500	178586	0.49	97.7	1.27	1604	True	1.26
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.91	351900	489922	1.34	107.1	1.39	2740	True	1.39
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.91	364500	1010590	2.67	106.6	1.39	4572	True	1.11
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.91	357300	1927599	5.19	103.7	1.35	6964	True	1.40
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.90	355200	4823549	13.05	104.4	1.36	8753	True	1.32
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.91	350000	9400002	25.82	103.3	1.34	11451	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.90	356000	20644301	55.75	89.2	1.16	13675	True	1.46

Analyte Name: PFDoA
Regression Equation: y = 1.300 x (std. dev. = 0.067) (weighting: None)
Calibration Fit: RSD = 6.47 RSE = 6.47
Average RF:1.300 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

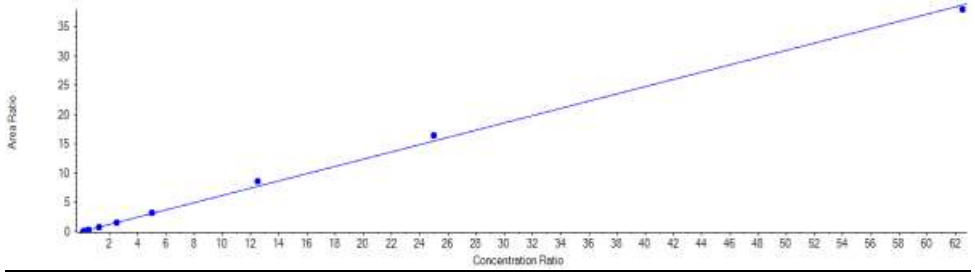
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.50	366900	19413	0.09	85.4	0.66	232	True	1.53
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.50	361600	41986	0.19	93.7	0.73	420	True	1.21
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.50	351500	105929	0.49	97.2	0.75	965	True	1.06
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.51	351900	277739	1.27	101.9	0.79	1363	True	1.21
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.51	364500	588063	2.60	104.1	0.81	1854	True	1.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.50	357300	1141052	5.15	103.0	0.80	2531	True	1.30
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.50	355200	3032059	13.77	110.2	0.85	3644	True	1.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.50	350000	5780095	26.64	106.6	0.83	4417	True	1.26
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.50	356000	13521775	61.28	98.1	0.76	5537	True	1.19

Analyte Name: PFTrDA
Regression Equation: y = 0.775 x (std. dev. = 0.046) (weighting: None)
Calibration Fit: RSD = 7.43 RSE = 7.43
Average RF:0.775 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

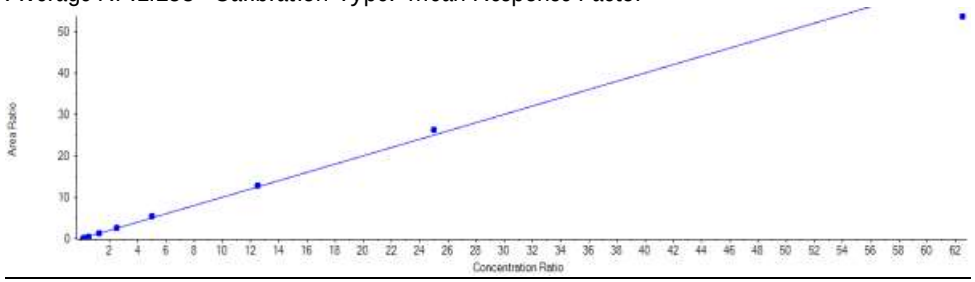
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.91	383300	39916	0.10	103.9	1.30	389	True	1.58
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.91	412200	75539	0.18	91.4	1.15	567	True	1.18
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.91	380500	186633	0.49	97.9	1.23	1068	True	1.21
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.92	392800	504145	1.28	102.4	1.28	1719	True	1.15
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.91	398400	1023758	2.56	102.6	1.29	2236	True	1.20
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.91	382500	2070325	5.40	108.0	1.35	2545	True	1.53
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.91	393600	5094568	12.91	103.3	1.30	6011	True	1.21
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.91	363900	9555438	26.19	104.8	1.31	6583	True	1.67
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.91	385100	20696767	53.62	85.8	1.08	6738	True	1.44

Analyte Name: PFTeDA
Regression Equation: y = 1.253 x (std. dev. = 0.071) (weighting: None)
Calibration Fit: RSD = 7.12 RSE = 7.12
Average RF:1.253 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

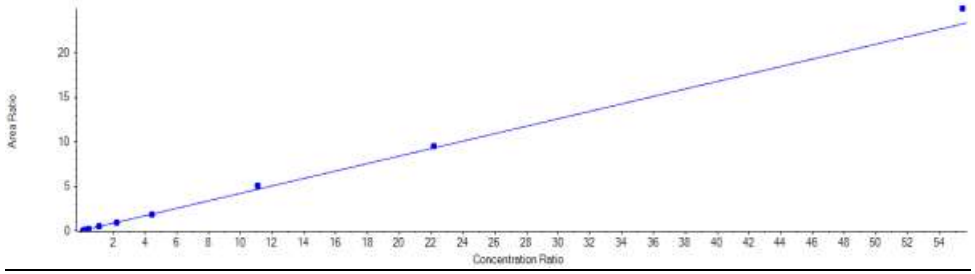
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.32	856300	29114	0.08	91.4	0.89	34	True	0.81
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.31	812400	57514	0.17	95.1	0.93	63	True	1.36
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.31	813200	146551	0.43	96.9	0.95	72	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.32	811200	378090	1.11	100.2	0.98	82	True	1.37
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.32	853200	786438	2.20	99.1	0.97	70	True	1.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.32	809900	1500220	4.42	99.6	0.97	103	True	0.97
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.31	781300	3919451	11.96	107.8	1.05	87	True	1.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.32	773600	7381223	22.74	102.6	1.00	75	True	1.05
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.32	699200	17476522	59.58	107.5	1.05	61	True	1.17

Analyte Name: PFBS
Regression Equation: y = 0.978 x (std. dev. = 0.023) (weighting: None)
Calibration Fit: RSD = 5.40 RSE = 5.40
Average RF:0.978 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

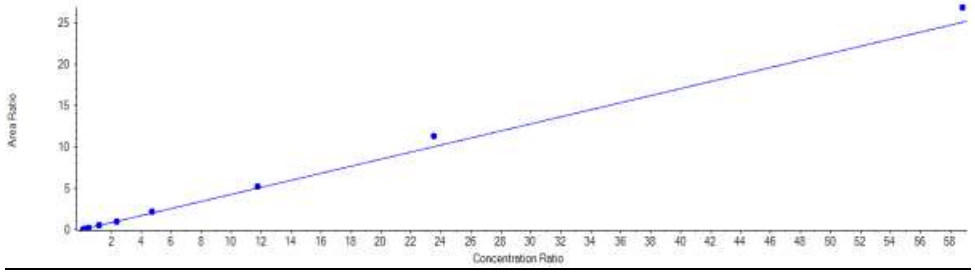
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.34	705600	24008	0.08	84.8	0.86	751	True	1.03
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.34	681100	49418	0.17	90.4	0.91	1408	True	1.29
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.34	639900	120878	0.44	94.1	0.95	2430	True	1.22
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.34	661300	332690	1.18	100.3	1.01	4866	True	1.17
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.34	688800	680161	2.32	98.4	1.00	5997	True	1.39
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.34	610000	1312585	5.05	107.2	1.08	8414	True	1.15
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.34	650600	3422752	12.34	104.9	1.06	16269	True	1.14
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.34	597600	6765018	26.54	112.8	1.14	18343	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.34	590500	15870136	63.01	107.1	1.08	27047	True	1.26

Analyte Name: PFPeS
Regression Equation: y = 1.011 x (std. dev. = 0.039) (weighting: None)
Calibration Fit: RSD = 9.03 RSE = 9.03
Average RF:1.011 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

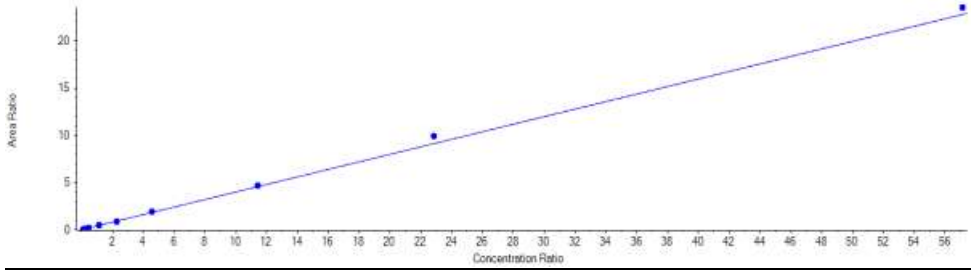
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.62	705600	25007	0.09	97.1	0.92	32741	True	0.17
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.61	681100	50270	0.19	101.2	0.96	9073	True	1.24
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.61	639900	110263	0.43	94.5	0.89	9640	True	0.17
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.62	661300	286954	1.09	95.2	0.90	27806	True	1.04
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.62	688800	599989	2.18	95.5	0.90	40481	True	0.16
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.62	610000	1147248	4.71	103.1	0.98	42905	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.61	650600	3015740	11.61	101.7	0.96	20017	True	1.16
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.62	597600	5917905	24.81	108.6	1.03	40237	True	1.16
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.62	590500	13905841	59.00	103.3	0.98	848848	True	0.15

Analyte Name: PFHxS
Regression Equation: y = 0.946 x (std. dev. = 0.019) (weighting: None)
Calibration Fit: RSD = 4.75 RSE = 4.75
Average RF:0.946 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

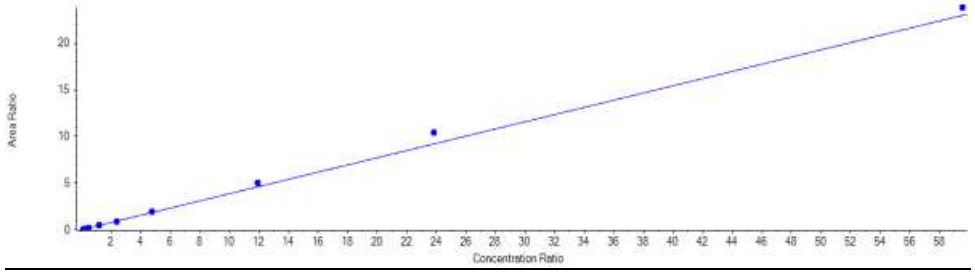
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.02	732200	22616	0.08	84.0	0.78	3220	True	1.25
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.01	723500	48727	0.18	91.6	0.85	4477	True	0.81
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.01	677200	122492	0.47	98.4	0.91	2653	True	1.51
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.02	681900	306646	1.17	97.9	0.90	60036	True	1.46
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.02	747800	649407	2.25	94.5	0.87	1174053	True	1.35
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.02	667800	1320608	5.13	107.6	0.99	23379142	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.01	666100	3346971	13.02	109.3	1.01	17356	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.02	620600	6449656	26.94	113.1	1.05	22541	True	1.00
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.02	614900	14651286	61.77	103.7	0.96	113644652	True	0.95

Analyte Name: PFHpS
Regression Equation: y = 0.924 x (std. dev. = 0.036) (weighting: None)
Calibration Fit: RSD = 9.31 RSE = 9.31
Average RF:0.924 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

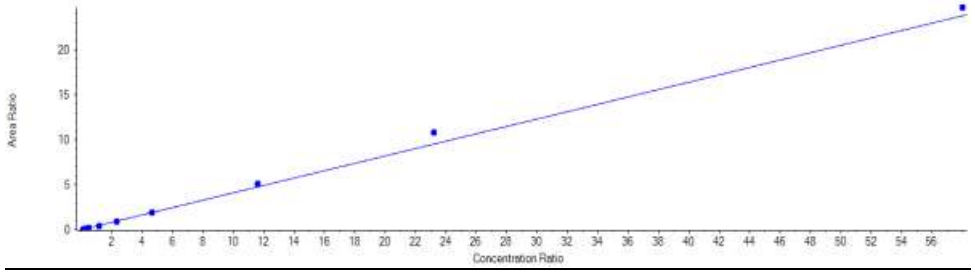
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.28	732200	25837	0.09	92.6	0.91	180	True	0.75
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.27	723500	52468	0.18	95.1	0.94	461	True	0.23
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.27	677200	128413	0.46	99.5	0.98	1030	True	0.27
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.28	681900	306039	1.09	94.2	0.93	1470	True	0.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.28	747800	668069	2.18	93.8	0.92	1870	True	0.27
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.27	667800	1290080	4.70	101.4	1.00	1963	True	0.29
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.27	666100	3372642	12.33	106.3	1.05	3548	True	0.33
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.28	620600	6704354	26.30	113.4	1.12	4128	True	0.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.27	614900	15218317	60.26	103.9	1.02	4971	True	0.28

Analyte Name: PFOS
Regression Equation: y = 0.984 x (std. dev. = 0.029) (weighting: None)
Calibration Fit: RSD = 6.95 RSE = 6.95
Average RF:0.984 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

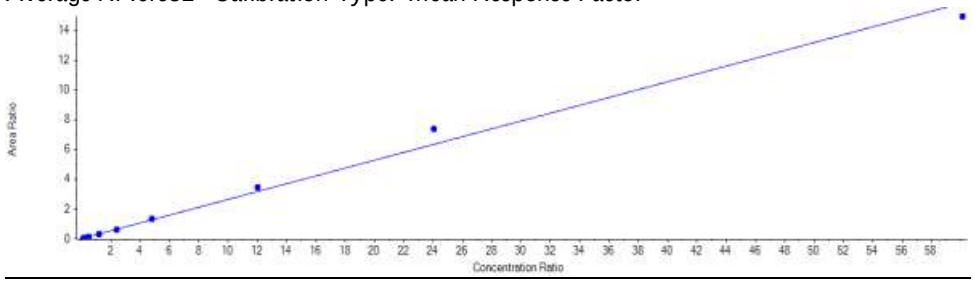
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.63	732200	15906	0.08	85.6	0.54	347	True	1.10
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.63	723500	34346	0.18	93.6	0.59	7658	True	1.34
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.62	677200	84849	0.48	98.8	0.62	11144	True	1.21
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.63	681900	220414	1.23	101.9	0.64	10074	True	1.32
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.63	747800	452953	2.30	95.5	0.60	13160	True	1.36
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.63	667800	887318	5.04	104.8	0.66	8484	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.63	666100	2304611	13.12	109.1	0.69	8538	True	1.02
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.63	620600	4586269	28.02	116.5	0.74	18061	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.63	614900	9187351	56.66	94.2	0.60	16737	True	1.14

Analyte Name: PFNS
Regression Equation: y = 0.632 x (std. dev. = 0.024) (weighting: None)
Calibration Fit: RSD = 9.25 RSE = 9.25
Average RF:0.632 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

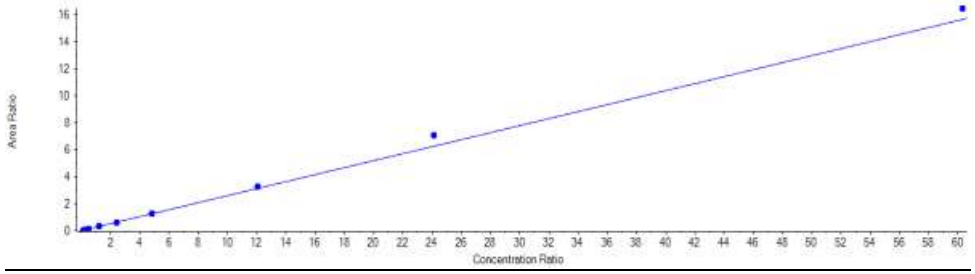
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.15	732200	16034	0.08	87.4	0.54	1465	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.15	723500	33457	0.18	92.2	0.57	3522	True	1.19
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.14	677200	79503	0.45	93.7	0.58	7344	True	1.33
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.15	681900	224077	1.27	104.9	0.65	14605	True	1.19
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.15	747800	450279	2.32	96.1	0.60	10431	True	1.22
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.15	667800	862876	4.97	103.1	0.64	100447	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.14	666100	2184110	12.62	104.6	0.65	33767	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.14	620600	4389768	27.23	112.9	0.70	27975	True	1.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.14	614900	10136479	63.46	105.2	0.66	29238	True	1.23

Analyte Name: PFDS
Regression Equation: y = 0.622 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 8.09 RSE = 8.09
Average RF:0.622 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

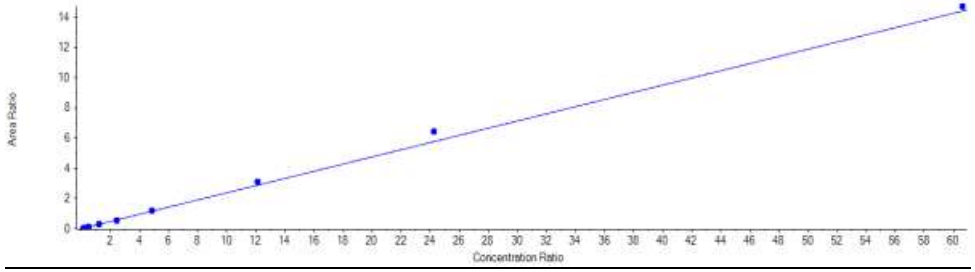
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.01	732200	14889	0.09	88.1	0.50	28946	True	1.15
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.00	723500	31280	0.18	93.7	0.53	3800	True	0.82
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.00	677200	76105	0.47	97.4	0.56	6785	True	0.84
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.01	681900	199205	1.23	101.3	0.58	130155	True	1.39
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.01	747800	418271	2.35	96.9	0.55	22261	True	1.43
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.00	667800	781329	4.92	101.4	0.58	184218	True	1.08
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.00	666100	2057796	12.98	107.1	0.61	10089	True	0.85
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.01	620600	4012335	27.17	112.1	0.64	102420	True	1.15
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.00	614900	9057070	61.91	102.1	0.58	18400	True	1.07

Analyte Name: PFDoS
Regression Equation: y = 0.570 x (std. dev. = 0.017) (weighting: None)
Calibration Fit: RSD = 7.08 RSE = 7.08
Average RF:0.570 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

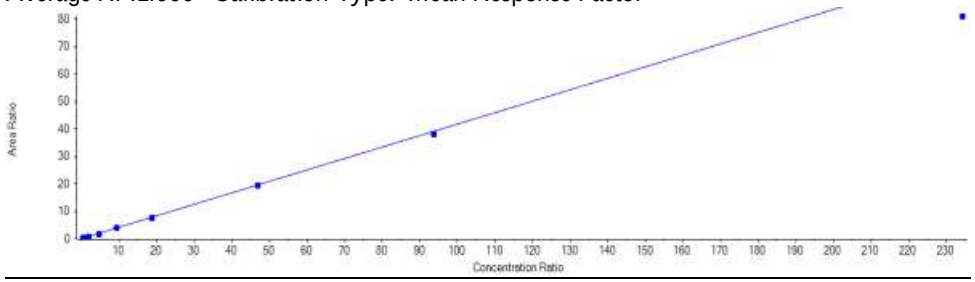
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.14	316000	63237	0.48	127.7	2.50	933	True	0.97
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.13	292500	102451	0.84	111.8	2.19	491983	True	1.48
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.14	284100	214011	1.80	96.2	1.88	1806	True	1.57
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.14	293700	502551	4.10	87.4	1.71	29167999	True	1.29
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.14	296100	1152996	9.32	99.4	1.95	4172	True	1.09
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.14	279400	2150596	18.42	98.2	1.93	4758	True	1.53
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.13	271600	5291738	46.63	99.5	1.95	2568647	True	1.45
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.14	270900	10310809	91.08	97.2	1.90	5795546	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.14	285500	23137425	193.97	82.8	1.62	171109961	True	1.04

Analyte Name: 4:2FTS
Regression Equation: y = 1.960 x (std. dev. = 0.055) (weighting: None)
Calibration Fit: RSD = 13.18 RSE = 13.18
Average RF:1.960 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

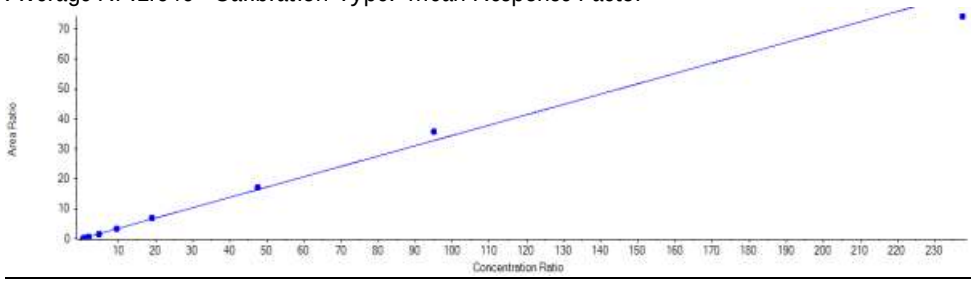
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.09	238700	29652	0.36	94.8	1.55	5755123	True	1.28
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.09	214800	54403	0.73	96.6	1.59	672	True	0.95
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.09	212200	134548	1.84	96.7	1.59	2075	True	1.04
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.10	208800	344993	4.79	100.8	1.65	3309	True	1.13
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.09	217600	731187	9.74	102.5	1.68	47100004	True	1.15
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.09	207100	1415815	19.81	104.3	1.71	4100892	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.09	208600	3565584	49.53	104.3	1.71	120969116	True	1.38
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.09	200500	7191794	103.98	109.5	1.80	4944	True	1.19
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.09	218700	16231198	215.16	90.6	1.49	1168487	True	1.39

Analyte Name: 6:2FTS
Regression Equation: y = 1.640 x (std. dev. = 0.020) (weighting: None)
Calibration Fit: RSD = 5.82 RSE = 5.82
Average RF:1.640 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

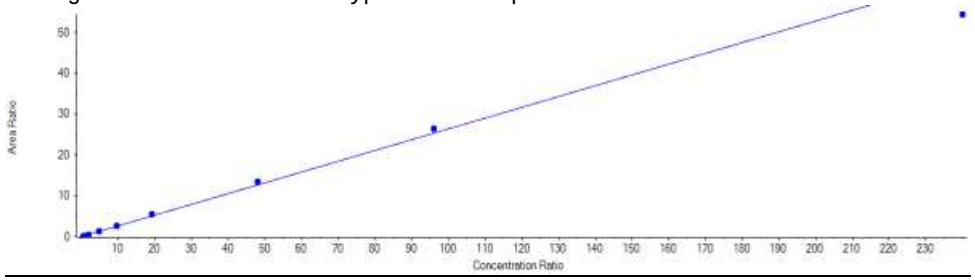
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.07	355700	32302	0.34	89.6	1.14	1120	True	1.05
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.07	350100	67583	0.73	95.2	1.21	39273	True	1.57
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.07	314700	160030	1.93	100.3	1.27	370097	True	1.56
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.08	324500	432638	5.05	105.2	1.33	4642	True	1.42
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.07	341500	910884	10.10	105.2	1.33	4008	True	1.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.07	309400	1682010	20.59	107.2	1.36	5550	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.07	298200	4038399	51.28	106.8	1.35	5812	True	1.15
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.08	271800	7209364	100.44	104.6	1.33	7027	True	1.03
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.07	278600	15163258	206.09	85.9	1.09	9396	True	1.68

Analyte Name: 8:2FTS
Regression Equation: y = 1.267 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 7.96 RSE = 7.96
Average RF:1.267 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

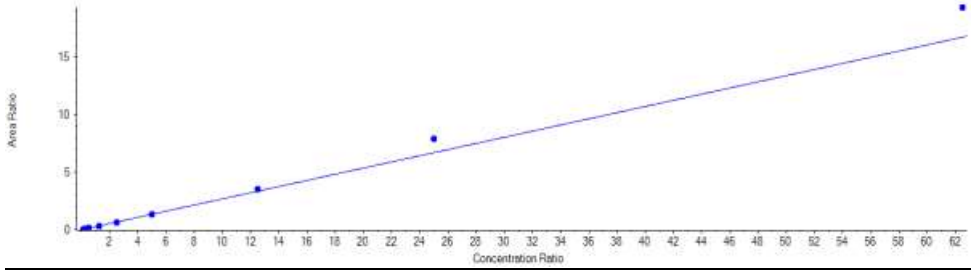
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.55	1055000	25409	0.09	90.1	0.60	480	True	0.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.54	1009000	48458	0.18	89.8	0.60	664	True	0.18
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.54	992200	119348	0.45	90.0	0.60	872	True	0.17
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.55	1001000	319396	1.19	95.5	0.64	22824431	True	0.17
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.55	1011000	658264	2.44	97.4	0.65	38374	True	0.18
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.55	938700	1244740	4.96	99.2	0.66	2974031	True	0.16
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.54	902700	3171379	13.14	105.1	0.70	1226	True	0.17
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.55	820100	6437202	29.36	117.4	0.79	86873	True	0.15
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.54	780100	15046966	72.14	115.4	0.77	22190	True	0.18

Analyte Name: PFOSA
Regression Equation: y = 0.668 x (std. dev. = 0.028) (weighting: None)
Calibration Fit: RSD = 10.60 RSE = 10.60
Average RF:0.668 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

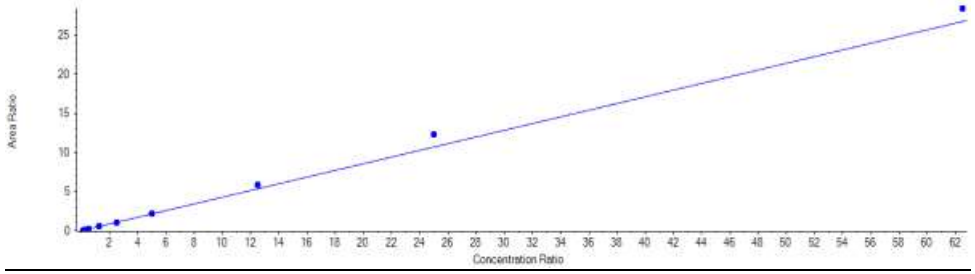
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.17	174700	5812	0.08	77.7	0.83	598555	True	0.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.16	155700	13659	0.21	102.4	1.10	233	True	0.29
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.16	159200	30885	0.45	90.6	0.97	23430	True	0.31
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.17	162800	85925	1.23	98.6	1.06	22807	True	0.28
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.17	166900	173879	2.43	97.3	1.04	610172	True	0.28
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.17	153200	337828	5.15	103.0	1.10	11133	True	0.24
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.17	153000	895612	13.67	109.4	1.17	6479	True	0.31
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.17	148600	1828142	28.71	114.9	1.23	4490	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.17	155900	4433790	66.40	106.2	1.14	8489	True	0.25

Analyte Name: NMeFOSA
Regression Equation: y = 1.071 x (std. dev. = 0.047) (weighting: None)
Calibration Fit: RSD = 10.94 RSE = 10.94
Average RF:1.071 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

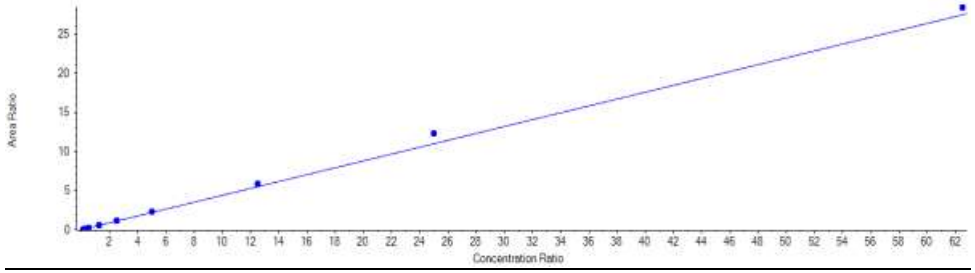
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.38	167500	6309	0.09	85.7	0.94	8149	True	0.31
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.38	167100	12795	0.17	87.2	0.96	74730	True	0.27
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.37	153300	31911	0.47	94.8	1.04	227762	True	0.27
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.38	158000	90396	1.30	104.2	1.14	39369	True	0.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.38	160700	181221	2.57	102.7	1.13	6895810	True	0.23
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.38	151400	342011	5.14	102.9	1.13	9106041	True	0.25
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.38	150300	887257	13.44	107.5	1.18	6668	True	0.23
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.38	142000	1739926	27.89	111.6	1.23	203912	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.38	149000	4230356	64.65	103.4	1.14	26257	True	0.27

Analyte Name: NEtFOSA
Regression Equation: y = 1.098 x (std. dev. = 0.039) (weighting: None)
Calibration Fit: RSD = 8.88 RSE = 8.88
Average RF:1.098 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

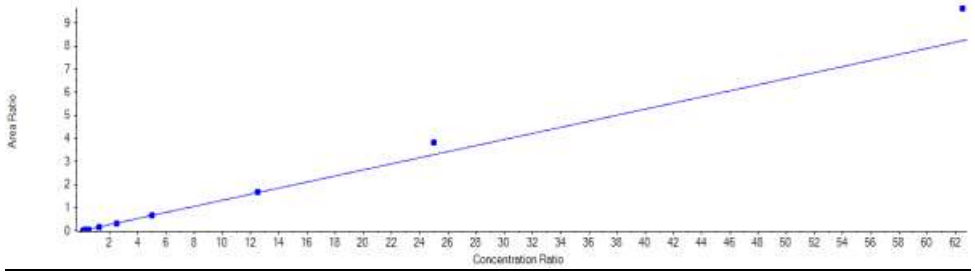
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.22	873200	10089	0.09	87.8	0.58	29422	True	0.89
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.22	828200	19476	0.18	89.4	0.59	335	True	1.27
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.22	649400	36814	0.43	86.2	0.57	811	True	1.48
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.23	839100	138283	1.25	100.2	0.66	1949	True	1.44
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.23	700000	231441	2.51	100.5	0.66	1249	True	1.42
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.23	693300	460043	5.04	100.9	0.66	2090	True	1.03
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.22	693500	1169398	12.81	102.5	0.67	1742	True	1.19
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.23	679700	2587090	28.92	115.7	0.76	1459	True	1.00
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.23	532600	5124216	73.11	117.0	0.77	1402	True	0.93

Analyte Name: NMeFOSAA
Regression Equation: y = 0.658 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 11.16 RSE = 11.16
Average RF:0.658 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

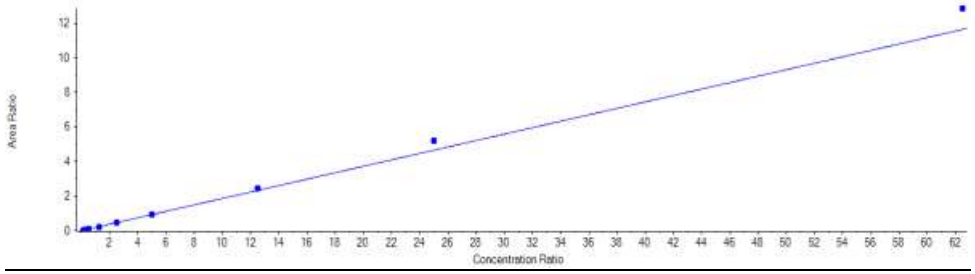
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.36	401500	6220	0.08	83.1	0.77	349	True	1.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.37	384200	14442	0.20	100.8	0.94	328	True	1.00
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.36	377500	35871	0.51	101.9	0.95	455	True	0.51
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.37	387000	84369	1.17	93.5	0.87	622	True	0.47
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.37	404700	180301	2.39	95.6	0.89	564	True	0.50
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.37	385700	356003	4.95	99.0	0.92	889	True	0.43
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.36	368700	895167	13.02	104.2	0.97	781	True	0.48
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.37	359800	1868827	27.86	111.4	1.04	1062	True	1.13
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.37	340800	4386182	69.03	110.4	1.03	911	True	1.58

Analyte Name: NEtFOSAA
Regression Equation: y = 0.932 x (std. dev. = 0.016) (weighting: None)
Calibration Fit: RSD = 8.73 RSE = 8.73
Average RF:0.932 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

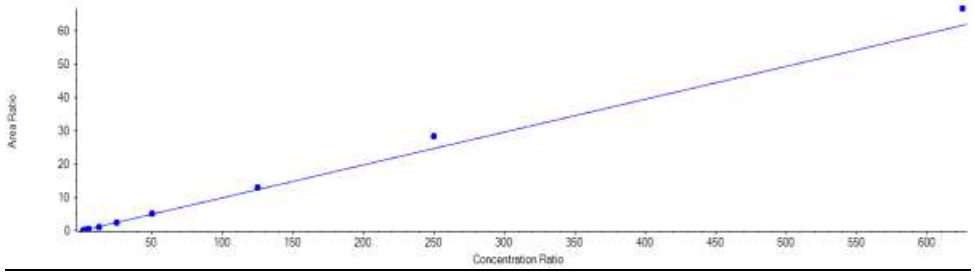
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.08	1247000	109398	0.89	88.9	2.19	1787	True	0.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.08	1181000	220343	1.89	94.5	2.33	1918	True	0.31
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.08	1164000	543241	4.73	94.6	2.33	4149	True	0.32
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.08	1228000	1480904	12.22	97.8	2.41	3172	True	0.30
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.08	1289000	2982647	23.45	93.8	2.31	13701	True	0.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.08	1204000	6081925	51.19	102.4	2.53	17397	True	0.25
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.08	1269000	16436198	131.22	105.0	2.59	6722	True	0.32
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.08	1205000	34160374	287.20	114.9	2.83	10771	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.08	1259000	84038487	676.35	108.2	2.67	9664	True	0.25

Analyte Name: NMeFOSE
Regression Equation: y = 2.467 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 8.26 RSE = 8.26
Average RF:2.467 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

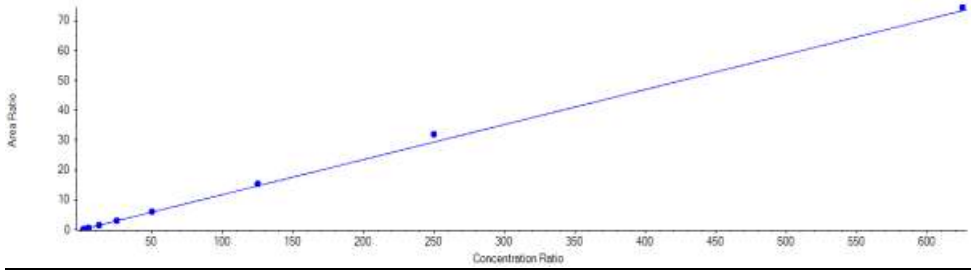
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.28	1961000	200381	0.87	87.1	2.56	1226	True	0.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.28	1862000	414400	1.90	94.8	2.78	1083	True	0.25
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.27	1797000	1009032	4.78	95.6	2.81	2095	True	0.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.28	1877000	2767938	12.56	100.5	2.95	2771	True	0.24
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.28	1859000	5649756	25.89	103.6	3.04	3392	True	0.26
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.28	1796000	10881697	51.62	103.3	3.03	4693	True	0.28
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.28	1794000	27604824	131.07	104.9	3.08	4266	True	0.28
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.28	1689000	53947112	272.13	108.9	3.19	4972	True	0.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.28	1668000	124215059	634.26	101.5	2.98	5049	True	0.23

Analyte Name: NEtFOSE
Regression Equation: y = 2.935 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 6.53 RSE = 6.53
Average RF:2.935 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

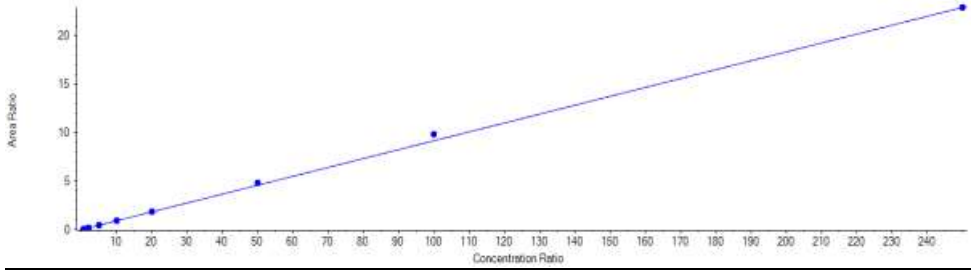
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.61	2886000	92315	0.35	87.2	0.80	20279	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.60	2757000	196682	0.78	97.3	0.89	2485	True	1.08
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.60	2653000	500246	2.06	102.8	0.94	7412	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.60	2847000	1288956	4.94	98.8	0.91	62161	True	1.35
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.60	3027000	2739320	9.87	98.7	0.91	18258	True	1.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.60	2725000	5113517	20.47	102.3	0.94	27944	True	1.20
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.60	2718000	13116686	52.65	105.3	0.97	25693	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.60	2507000	24712719	107.52	107.5	0.99	38611	True	1.08
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.60	2454000	56235106	249.99	100.0	0.92	44180	True	1.21

Analyte Name: HFPO-DA
Regression Equation: y = 0.917 x (std. dev. = 0.005) (weighting: None)
Calibration Fit: RSD = 5.83 RSE = 5.83
Average RF:0.917 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

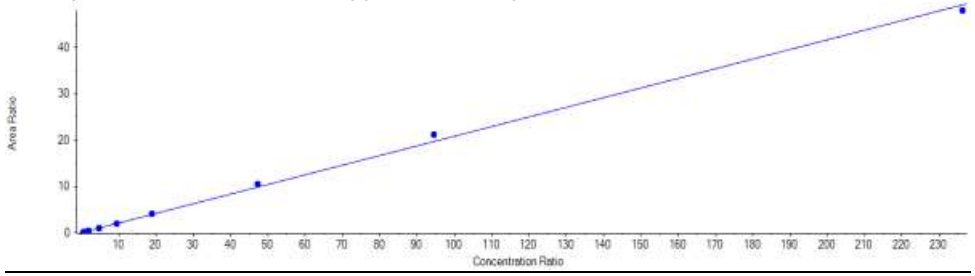
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.72	2886000	201429	0.34	88.6	1.85	25325	True	1.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.72	2757000	425384	0.74	97.9	2.04	44579	True	1.11
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.72	2653000	1036431	1.87	99.1	2.07	341420	True	1.01
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.72	2847000	2822750	4.76	100.7	2.10	15753	True	1.32
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.72	3027000	5872996	9.31	98.5	2.05	15728	True	1.09
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.72	2725000	11102447	19.54	103.4	2.16	13709	True	1.07
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.71	2718000	28514834	50.33	106.5	2.22	30974	True	1.30
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.72	2507000	53256061	101.89	107.8	2.25	25828	True	1.05
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.72	2454000	117900625	230.46	97.6	2.03	28418	True	1.36

Analyte Name: ADONA
Regression Equation: y = 2.085 x (std. dev. = 0.012) (weighting: None)
Calibration Fit: RSD = 5.70 RSE = 5.70
Average RF:2.085 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

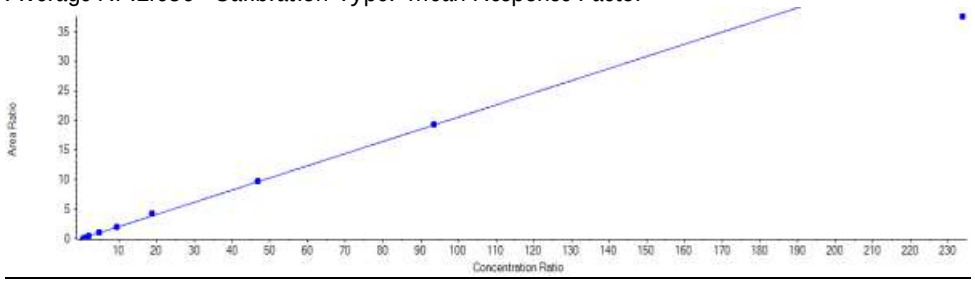
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.50	2886000	195597	0.33	88.2	1.81	856461	True	0.86
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.50	2757000	444386	0.78	104.8	2.16	1583171	True	1.10
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.49	2653000	1064499	1.95	104.4	2.15	2862685	True	1.03
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.50	2847000	2946988	5.04	107.7	2.21	88586	True	1.05
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.50	3027000	6066657	9.75	104.3	2.14	6318	True	1.08
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.50	2725000	11512976	20.55	109.9	2.26	1142992	True	1.17
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.50	2718000	26617233	47.64	101.9	2.10	80345	True	1.37
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.50	2507000	48493859	94.09	100.6	2.07	96371	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.50	2454000	92226023	182.83	78.2	1.61	119953	True	1.15

Analyte Name: 9Cl-PF3ONS
Regression Equation: y = 2.056 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 10.23 RSE = 10.23
Average RF:2.056 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

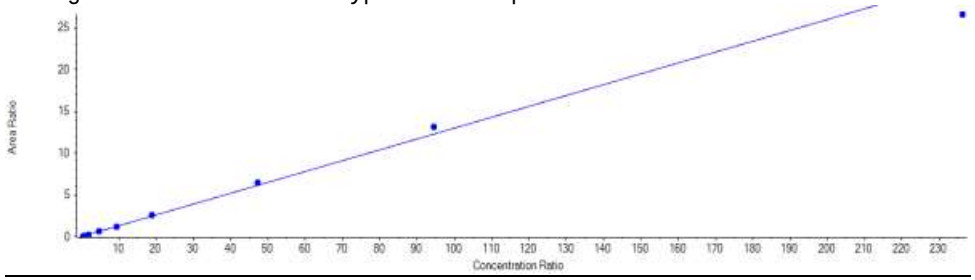
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.57	2886000	136607	0.37	96.4	1.25	1958	True	1.05
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.57	2757000	265657	0.74	98.2	1.27	3313	True	0.91
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.57	2653000	665847	1.93	102.3	1.33	3193	True	1.11
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.58	2847000	1734547	4.69	99.3	1.29	4468	True	1.28
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.58	3027000	3680248	9.37	99.1	1.29	549080	True	1.32
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.57	2725000	7082207	20.01	105.9	1.38	186177	True	0.98
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.57	2718000	17563776	49.77	105.3	1.37	1838742	True	1.10
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.57	2507000	32877183	100.99	106.9	1.39	101214	True	1.38
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.57	2454000	65219566	204.69	86.6	1.13	53514	True	1.33

Analyte Name: 11Cl-PF3OUdS
Regression Equation: y = 1.298 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 6.24 RSE = 6.24
Average RF:1.298 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

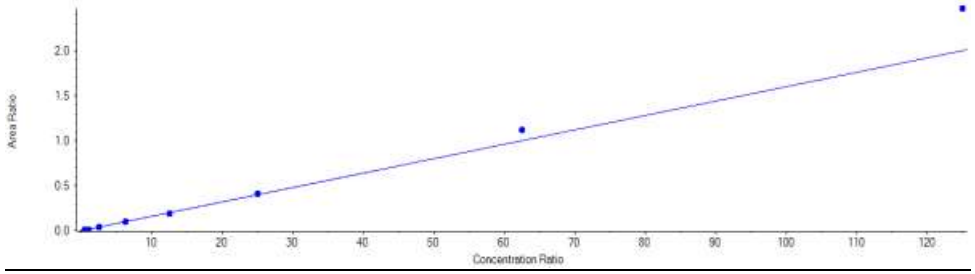
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.91	1742000	11661	0.42	83.7	0.07	549	True	1.14
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.91	1675000	23352	0.87	87.2	0.07	6376312	True	1.13
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.91	1617000	61750	2.39	95.5	0.08	652224	True	1.33
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.92	1673000	162277	6.06	97.0	0.08	2725	True	1.14
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.92	1701000	330654	12.15	97.2	0.08	1464	True	1.68
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.91	1593000	659551	25.88	103.5	0.08	4667	True	1.23
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.91	1536000	1725859	70.27	112.4	0.09	551294	True	1.22
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.91	1347000	3325237	154.34	123.5	0.10	480675	True	1.55
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	N/A	1241000	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 3:3FTCA
Regression Equation: y = 0.080 x (std. dev. = 0.002) (weighting: None)
Calibration Fit: RSD = 13.02 RSE = 13.02
Average RF:0.080 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

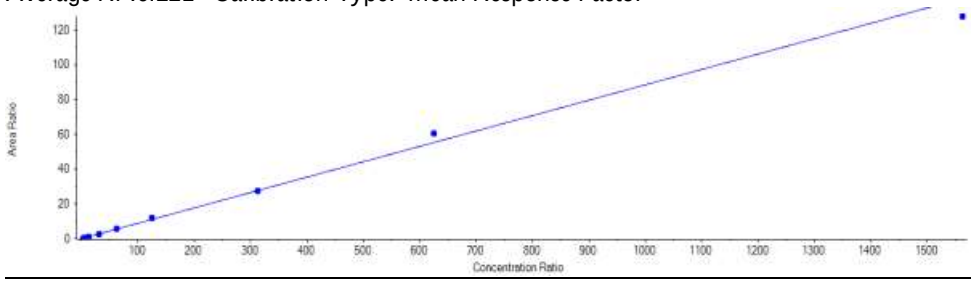
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.16	1043000	225324	2.44	97.8	0.22	7438	True	1.27
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.16	1082000	457091	4.78	95.6	0.21	4516	True	1.28
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.16	1035000	1109466	12.13	97.0	0.21	17454	True	1.13
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.17	1088000	2908807	30.24	96.8	0.21	26902	True	1.53
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.16	1067000	6221772	65.95	105.5	0.23	21075	True	1.27
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.16	995300	11672941	132.65	106.1	0.24	30755	True	1.19
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.16	1062000	29042126	309.44	99.0	0.22	26557	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.16	952600	57800169	686.27	109.8	0.24	27228	True	1.32
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.16	942500	120353707	1444.28	92.4	0.20	34647	True	1.20

Analyte Name: 5:3FTCA
Regression Equation: y = 0.221 x (std. dev. = 0.005) (weighting: None)
Calibration Fit: RSD = 5.77 RSE = 5.77
Average RF:0.221 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

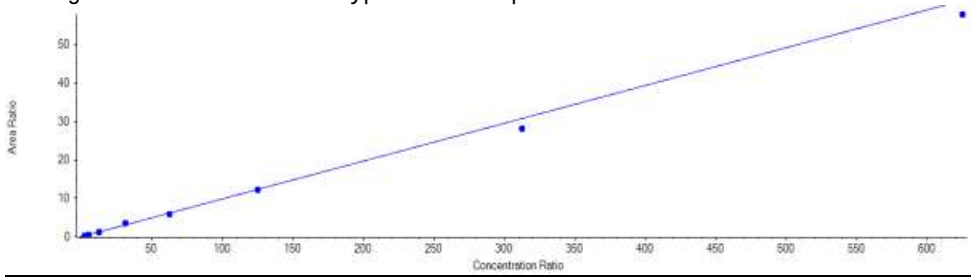
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.21	1043000	272814	2.66	106.3	0.26	816972	True	1.42
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.21	1082000	583552	5.48	109.6	0.27	883473	True	1.02
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.21	1035000	1148521	11.28	90.2	0.22	1064938	True	1.11
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.22	1088000	3798713	35.47	113.5	0.28	3323	True	1.07
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.21	1067000	6248141	59.49	95.2	0.23	522134	True	1.03
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.21	995300	12166666	124.20	99.4	0.24	14783	True	1.27
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.21	1062000	29960681	286.75	91.8	0.23	24002	True	1.50
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.21	952600	55121038	587.88	94.1	0.23	38567	True	1.31
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	N/A	942500	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 7:3FTCA
Regression Equation: y = 0.246 x (std. dev. = 0.009) (weighting: None)
Calibration Fit: RSD = 8.76 RSE = 8.76
Average RF:0.246 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

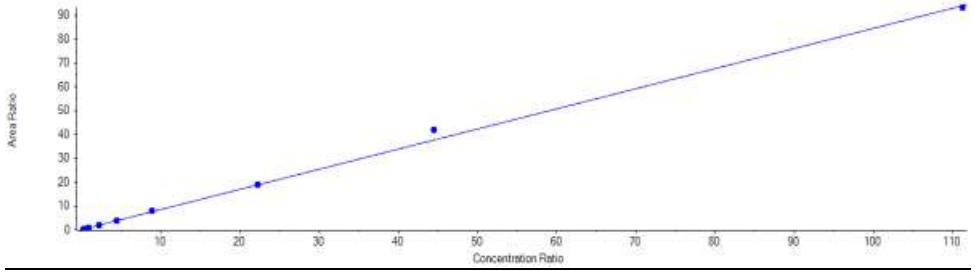
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.71	1043000	150155	0.17	95.7	2.02	3071	True	1.18
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.71	1082000	304483	0.33	93.5	1.98	5410	True	1.33
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.71	1035000	748553	0.86	96.1	2.03	5953	True	1.19
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.71	1088000	1967602	2.14	96.1	2.03	12486	True	1.24
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.71	1067000	4052494	4.49	100.9	2.13	13782	True	1.49
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.71	995300	7928840	9.42	105.9	2.24	17439	True	1.40
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.71	1062000	20195715	22.50	101.1	2.14	34835	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.71	952600	39950589	49.60	111.5	2.36	44053	True	1.37
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.71	942500	87964966	110.38	99.2	2.10	58046	True	1.19

Analyte Name: PFEESA
Regression Equation: y = 2.114 x (std. dev. = 0.048) (weighting: None)
Calibration Fit: RSD = 5.70 RSE = 5.70
Average RF:2.114 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

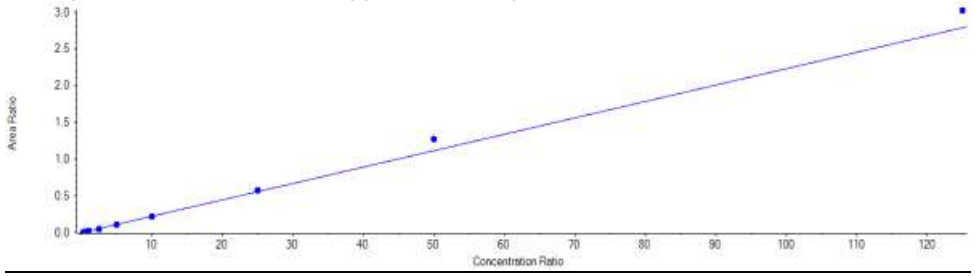
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	3.85	1742000	7169	0.18	92.2	0.10	497	True	1.15
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	3.85	1675000	14165	0.38	94.7	0.11	787	True	1.16
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	3.85	1617000	33877	0.94	93.9	0.11	1334	True	1.35
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	3.86	1673000	90755	2.43	97.2	0.11	2435	True	1.13
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	3.85	1701000	186580	4.91	98.3	0.11	3255	True	0.99
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	3.85	1593000	351979	9.90	99.0	0.11	4883	True	1.28
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	3.84	1536000	875313	25.54	102.2	0.11	6361	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	3.85	1347000	1717029	57.11	114.2	0.13	10711	True	1.12
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	3.86	1241000	3753262	135.50	108.4	0.12	12755	True	1.08

Analyte Name: PFMPA
Regression Equation: y = 0.112 x (std. dev. = 0.002) (weighting: None)
Calibration Fit: RSD = 7.21 RSE = 7.21
Average RF:0.112 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

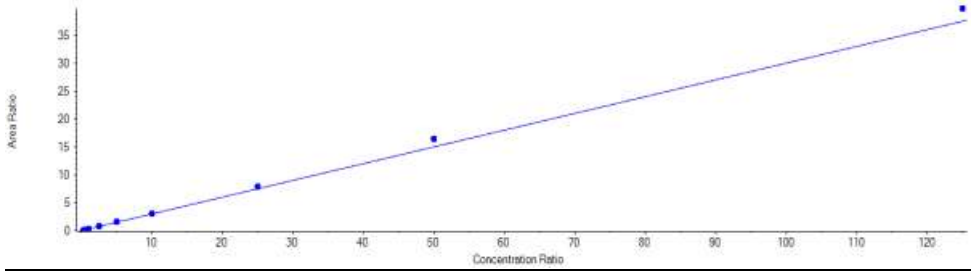
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.88	1742000	93621	0.18	89.3	1.34	1504	True	1.37
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.87	1675000	191221	0.38	94.8	1.43	1959	True	1.25
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.87	1617000	470133	0.97	96.6	1.45	2484	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.88	1673000	1223138	2.43	97.2	1.46	13679	True	1.14
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.88	1701000	2617337	5.11	102.2	1.54	9691	True	0.97
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.88	1593000	4778782	9.97	99.7	1.50	12087	True	1.31
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.87	1536000	12117026	26.22	104.9	1.58	17509	True	1.33
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.88	1347000	22136596	54.61	109.2	1.64	18616	True	0.93
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	4.88	1241000	49534492	132.63	106.1	1.60	27796	True	1.04

Analyte Name: PFMBA
Regression Equation: y = 1.505 x (std. dev. = 0.019) (weighting: None)
Calibration Fit: RSD = 6.25 RSE = 6.25
Average RF:1.505 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

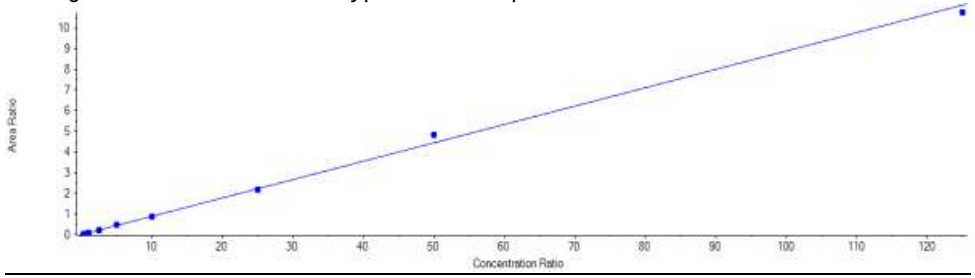
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.26	1043000	19368	0.21	104.3	0.23	1279	True	1.04
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.26	1082000	37544	0.39	97.4	0.22	1999	True	0.95
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.25	1035000	88598	0.96	96.2	0.21	3362	True	0.88
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.26	1088000	227164	2.35	93.8	0.21	5793	True	1.43
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.26	1067000	496414	5.23	104.5	0.23	3450	True	1.24
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.26	995300	880207	9.94	99.4	0.22	5007	True	0.98
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.25	1062000	2327402	24.63	98.5	0.22	5012	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.25	952600	4623243	54.52	109.0	0.24	6055	True	1.09
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.26	942500	10150512	120.98	96.8	0.22	9101	True	1.20

Analyte Name: NFDHA
Regression Equation: y = 0.223 x (std. dev. = 0.004) (weighting: None)
Calibration Fit: RSD = 4.91 RSE = 4.91
Average RF:0.223 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

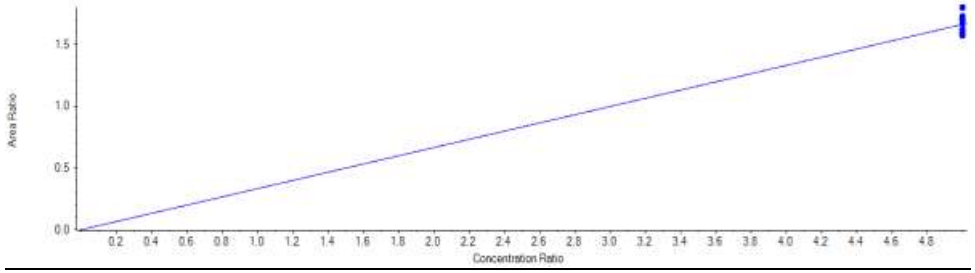
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.13	547400	984958	5.41	108.3	0.85	38881	True	1.42
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.12	547700	946281	5.20	103.9	0.82	20779	True	1.22
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.12	546900	866893	4.77	95.4	0.75	2402	True	1.32
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.13	586500	924127	4.74	94.8	0.75	178277	True	1.11
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.13	571000	972080	5.12	102.4	0.81	13709	True	0.99
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.13	551900	919882	5.01	100.3	0.79	5794	True	1.29
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.12	570800	967104	5.10	101.9	0.80	1842	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.13	550300	889831	4.86	97.3	0.77	10886	True	1.48
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.13	524700	835350	4.79	95.8	0.76	7630	True	1.57

Analyte Name: 13C2D4-4:2FTS
Regression Equation: y = 0.788 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 4.57 RSE = 0.00
Average RF:0.788 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

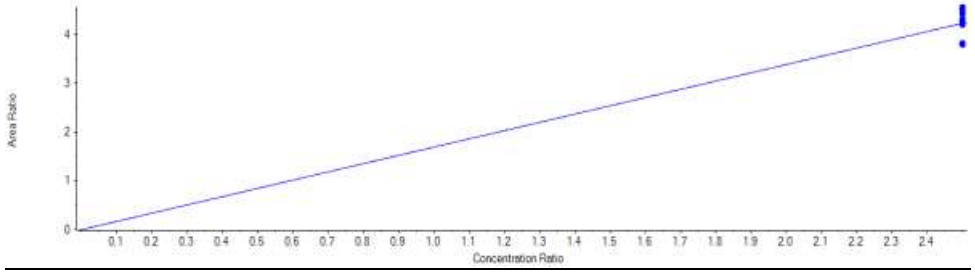
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.50	753400	3409390	2.67	106.9	4.53	687912	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.49	761500	3366661	2.61	104.5	4.42	108677677	True	1.26
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.49	762900	3205026	2.48	99.3	4.20	11159	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.50	783100	3340729	2.52	100.8	4.27	92469373	True	1.09
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.50	764800	3484143	2.69	107.7	4.56	12952	True	1.22
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.50	771600	3324516	2.55	101.8	4.31	6630373	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.50	810200	3402324	2.48	99.2	4.20	7632	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.50	834400	3163005	2.24	89.6	3.79	9612	True	1.21
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.50	801800	3061091	2.26	90.2	3.82	5355	True	1.44

Analyte Name: 13C2-PFOA
Regression Equation: y = 4.232 x (std. dev. = 0.110) (weighting: None)
Calibration Fit: RSD = 6.48 RSE = 0.00
Average RF:4.232 Calibration Type: Mean Response Factor



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447890
Project Name	: RANCO MINE	Project Number	: 12123
Instrument ID	: LCMS05	Ical Ref	: ICAL21391
Calibration dates	: 08/13/24 21:50 08/13/24 23:32		

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

WG	1958909													
Date	8/13/2024													
EIS	**IA1633STD-.1**	**IA1633STD-.2**	**IA1633STD-.5**	**IA1633STD-1.25**	**IA1633STD-2.5**	**IA1633STD-5**	**IA1633STD-12.5**	**IA1633STD-25**	**IA1633STD-62.5**	**AVG RF**	**RSD Calc**		**AVG RF**	**RSD**
13C4-PFBA	1.257	1.193	1.161	1.126	1.199	1.103	1.102	1.050	1.094	1.143	5.7%		1.143	5.669
13C5-PFPeA	0.739	0.695	0.632	0.649	0.691	0.634	0.612	0.541	0.574	0.641	9.6%		0.641	9.634
13C5-PFHxA	0.885	0.898	0.809	0.845	0.867	0.793	0.846	0.766	0.872	0.842	5.3%		0.842	5.289
13C4-PFHpA	0.934	0.882	0.806	0.817	0.895	0.805	0.819	0.762	0.871	0.843	6.5%		0.843	6.476
13C8-PFOA	2.164	2.046	1.908	2.010	2.112	1.897	1.824	1.596	1.639	1.911	10.4%		1.911	10.36
13C9-PFNA	1.093	1.104	1.023	1.041	1.048	1.041	0.998	0.934	0.955	1.026	5.5%		1.026	5.537
13C6-PFDA	1.203	1.114	1.090	1.076	1.082	1.050	1.006	0.982	0.977	1.064	6.7%		1.064	6.718
13C7-PFUnA	1.065	0.899	0.856	0.853	0.888	0.879	0.802	0.759	0.751	0.861	10.9%		0.861	10.876
13C2-PFDoA	0.584	0.541	0.540	0.522	0.544	0.539	0.545	0.572	0.652	0.560	7.0%		0.560	7.008
13C2-PFTeDA	0.610	0.616	0.585	0.582	0.595	0.577	0.604	0.595	0.705	0.608	6.4%		0.608	6.387
13C3-PFBS	1.591	1.509	1.512	1.407	1.520	1.493	1.392	1.430	1.356	1.468	5.1%		1.468	5.147
13C3-PFHxS	1.289	1.244	1.170	1.128	1.206	1.105	1.140	1.086	1.126	1.166	5.8%		1.166	5.81
13C8-PFOS	1.534	1.440	1.407	1.304	1.472	1.284	1.264	1.189	1.289	1.354	8.4%		1.354	8.401
13C2-4:2FTS	0.292	0.270	0.262	0.253	0.262	0.256	0.240	0.249	0.275	0.262	5.9%		0.262	5.833
13C2-6:2FTS	0.217	0.195	0.193	0.177	0.190	0.187	0.182	0.182	0.208	0.192	6.7%		0.192	6.74
13C2-8:2FTS	0.321	0.316	0.284	0.273	0.295	0.277	0.258	0.244	0.262	0.281	9.2%		0.281	9.193
13C8-PFOSA	2.117	1.924	1.975	1.833	1.906	1.729	1.641	1.505	1.567	1.800	11.3%		1.800	11.303
d3-NMeFOSA	0.350	0.297	0.317	0.298	0.315	0.282	0.278	0.273	0.313	0.303	8.0%		0.303	8.024
d5-NEtFOSA	0.336	0.319	0.305	0.289	0.303	0.279	0.273	0.261	0.299	0.296	7.9%		0.296	7.902
d3-NMeFOSAA	0.876	0.790	0.646	0.769	0.660	0.639	0.630	0.624	0.535	0.685	15.3%		0.685	15.311
d5-NEtFOSAA	0.403	0.366	0.376	0.355	0.381	0.355	0.335	0.330	0.342	0.360	6.6%		0.360	6.559
d7-NMeFOSE	0.250	0.225	0.232	0.225	0.243	0.222	0.231	0.221	0.253	0.234	5.2%		0.234	5.211
d9-NEtFOSE	0.393	0.355	0.358	0.344	0.351	0.331	0.326	0.310	0.335	0.345	6.9%		0.345	6.906
13C3-HFPO-DA	0.612	0.572	0.519	0.552	0.615	0.543	0.542	0.504	0.568	0.559	6.8%		0.558	6.78
NIS	**IA1633STD-.1**	**IA1633STD-.2**	**IA1633STD-.5**	**IA1633STD-1.25**	**IA1633STD-2.5**	**IA1633STD-5**	**IA1633STD-12.5**	**IA1633STD-25**	**IA1633STD-62.5**	**AVG RF**	**RSD Calc**		**AVG RF**	**RSD**
13C3-PFBA	1.008	1.016	1.015	1.073	1.046	1.039	0.999	0.958	0.846	1.000	6.6%		1	6.628
13C2-PFHxA	0.963	0.984	1.044	1.053	1.006	1.026	1.025	1.017	0.883	1.000	5.2%		1	5.208
13C4-PFOA	0.963	0.973	0.975	1.001	0.977	0.986	1.035	1.066	1.024	1.000	3.5%		1	3.481
13C5-PFNA	1.003	1.003	1.011	1.046	1.002	1.001	1.045	0.972	0.916	1.000	3.9%		1	3.904
13C2-PFDA	0.981	1.044	1.016	1.053	1.046	1.035	1.018	0.955	0.852	1.000	6.4%		1	6.402
18O2-PFHxS	0.986	0.986	0.985	1.056	1.028	0.994	1.028	0.991	0.945	1.000	3.3%		1	3.262
13C4-PFOS	0.947	0.996	0.955	1.037	1.008	1.031	1.045	1.035	0.946	1.000	4.1%		1	4.112

Initial Calibration Report

SCIEX OS Version 3.3.0.12027

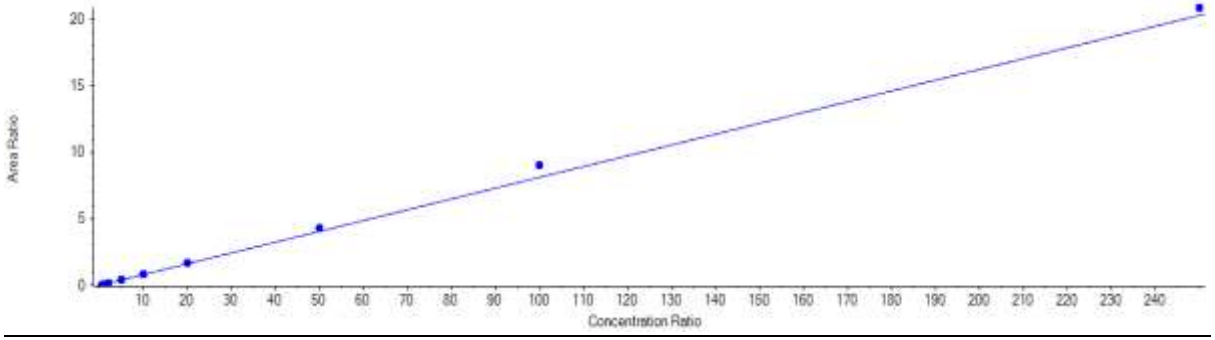
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	2.90	2709000	76984	0.35	87.6	0.71	323	True	0.96
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	2.90	2592000	159293	0.76	94.7	0.77	548	True	0.96
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	2.89	2519000	392007	1.92	95.9	0.78	791	True	0.94
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	2.90	2585000	1039126	4.96	99.1	0.80	1468	True	0.98
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	2.90	2681000	2162387	9.95	99.5	0.81	2017	True	1.16
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	2.89	2451000	4086434	20.56	102.8	0.83	2618	True	1.06
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	2.89	2355000	10163727	53.21	106.4	0.86	4525	True	1.08
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	2.89	2151000	19372954	111.06	111.1	0.90	6259	True	1.07
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	2.89	1978000	41238756	257.04	102.8	0.83	7593	True	1.35

Analyte Name: PFBA
Regression Equation: y = 0.811 x (std. dev. = 0.006) (weighting: None)
Calibration Fit: RSD = 6.87 RSE = 6.87
Average RF:0.811 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

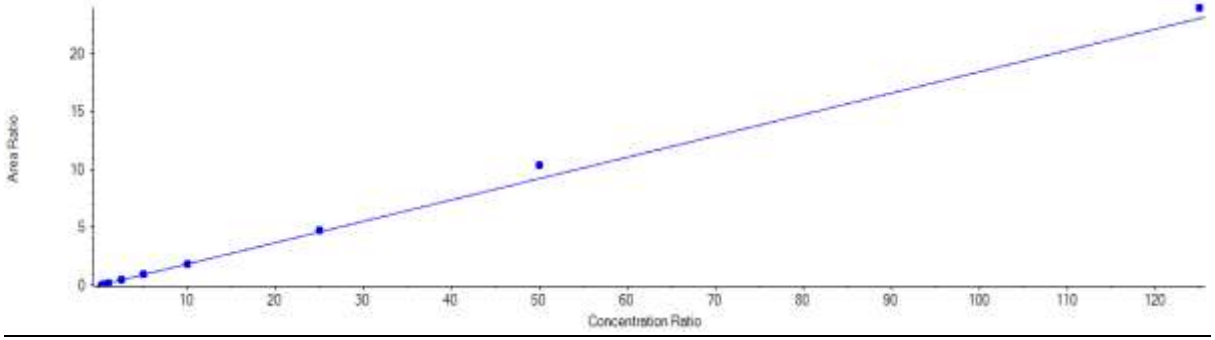
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.64	1742000	58992	0.18	91.8	0.85	359	True	1.60
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.64	1675000	115247	0.37	93.3	0.86	387	True	1.34
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.64	1617000	285758	0.96	95.8	0.88	1221	True	1.55
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.65	1673000	782592	2.54	101.5	0.94	1886	True	1.05
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.65	1701000	1580428	5.04	100.8	0.93	1993	True	1.29
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.64	1593000	2862778	9.74	97.4	0.90	4666	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.64	1536000	7315685	25.84	103.4	0.95	4328	True	1.41
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.65	1347000	13922796	56.05	112.1	1.03	8593	True	1.46
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	4.65	1241000	29743263	129.97	104.0	0.96	9629	True	1.09

Analyte Name: PFPeA
Regression Equation: y = 0.922 x (std. dev. = 0.012) (weighting: None)
Calibration Fit: RSD = 6.25 RSE = 6.25
Average RF:0.922 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

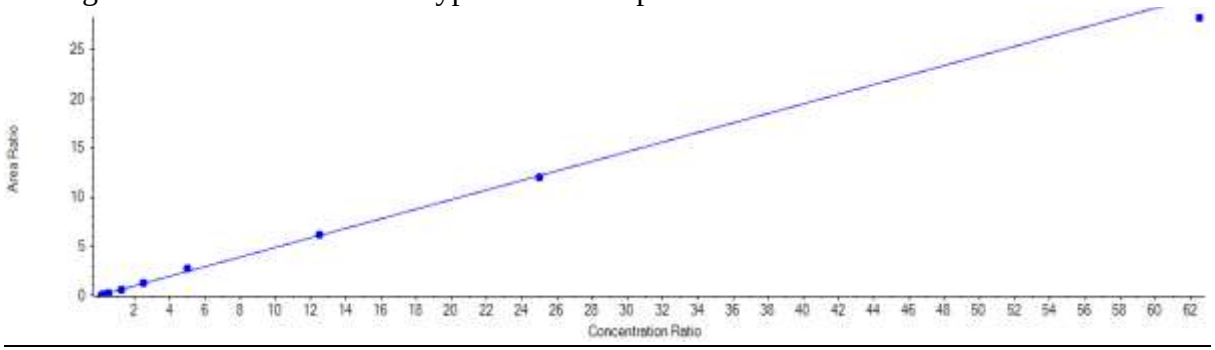
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.34	1043000	53455	0.11	105.2	1.28	266	True	1.48
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.34	1082000	99881	0.19	94.7	1.15	307	True	1.47
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.34	1035000	234525	0.47	93.0	1.13	716	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.34	1088000	643791	1.21	97.1	1.18	1119	True	1.18
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.34	1067000	1354168	2.60	104.2	1.27	1122	True	1.00
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.34	995300	2736579	5.64	112.8	1.38	2013	True	1.44
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.34	1062000	6556474	12.67	101.4	1.24	2673	True	1.28
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.34	952600	11476754	24.72	98.9	1.21	4199	True	1.41
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.34	942500	26624209	57.96	92.7	1.13	4600	True	1.13

Analyte Name: PFHxA
Regression Equation: y = 1.218 x (std. dev. = 0.032) (weighting: None)
Calibration Fit: RSD = 6.61 RSE = 6.61
Average RF:1.218 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

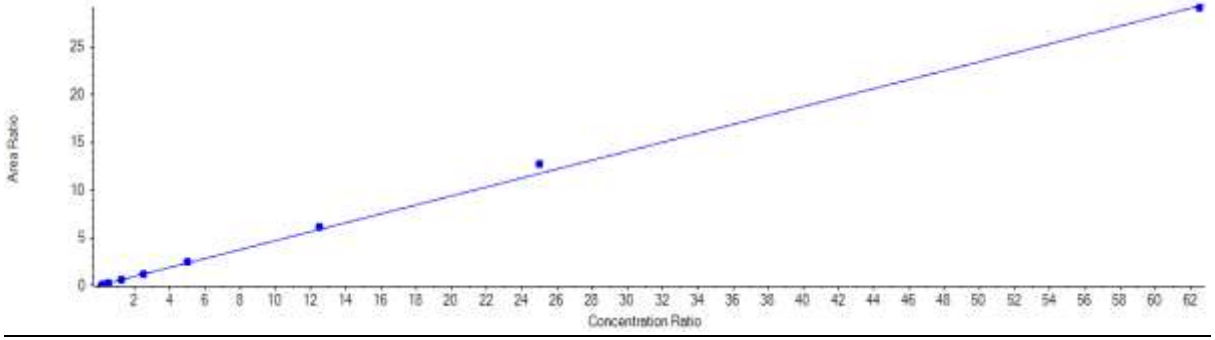
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.25	1100000	47414	0.09	92.0	1.08	332	True	1.31
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.25	1063000	96463	0.19	96.9	1.13	557	True	1.47
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.25	1030000	227673	0.47	94.3	1.11	1128	True	1.42
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.25	1052000	614946	1.25	99.8	1.17	1930	True	1.22
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.25	1102000	1316642	2.55	102.0	1.20	2287	True	1.33
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.25	1011000	2442453	5.16	103.2	1.21	3033	True	1.36
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.25	1027000	6242426	12.97	103.8	1.22	4597	True	1.36
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.25	948500	12077750	27.18	108.7	1.27	6436	True	1.32
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.25	941100	27365507	62.08	99.3	1.16	9844	True	1.26

Analyte Name: PFHpA
Regression Equation: y = 1.171 x (std. dev. = 0.024) (weighting: None)
Calibration Fit: RSD = 5.14 RSE = 5.14
Average RF:1.171 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

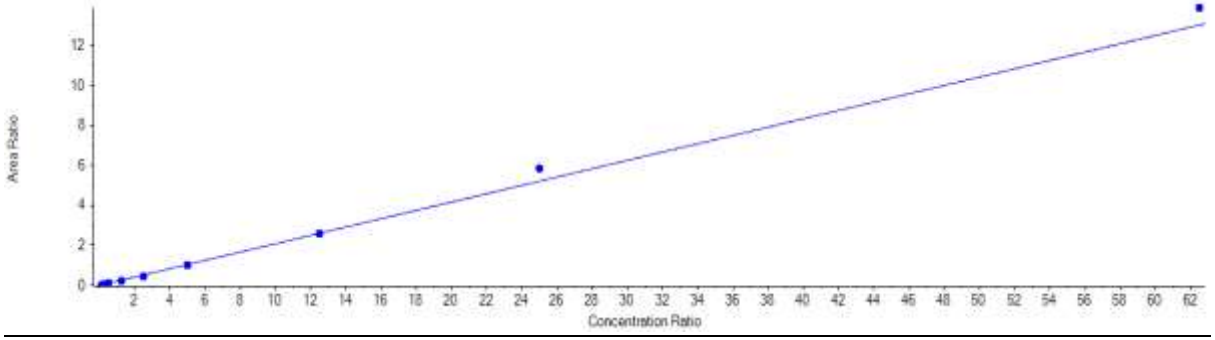
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.50	1630000	36354	0.11	107.1	0.56	198	True	0.10
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.50	1558000	61419	0.19	94.7	0.49	276	True	0.11
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.50	1455000	152387	0.50	100.6	0.52	595	True	0.16
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.51	1574000	383547	1.17	93.7	0.49	950	True	0.16
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.50	1615000	762266	2.27	90.7	0.47	1608	True	0.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.50	1464000	1457619	4.79	95.7	0.50	2159	True	0.16
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.50	1477000	3795945	12.35	98.8	0.51	3257	True	0.14
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.51	1332000	7765819	28.01	112.1	0.58	4787	True	0.11
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.50	1314000	18218936	66.64	106.6	0.56	6395	True	0.12

Analyte Name: PFOA
Regression Equation: y = 0.520 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 7.20 RSE = 7.20
Average RF:0.520 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

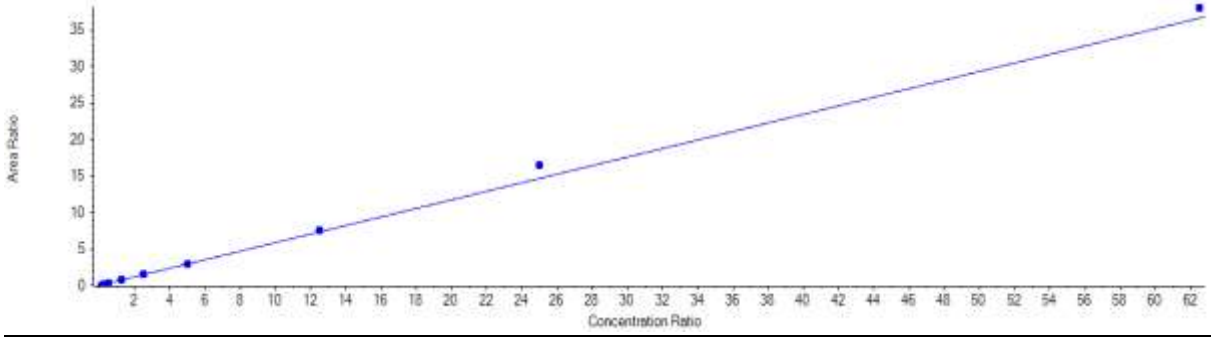
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.95	750800	37224	0.09	84.7	0.62	285	True	0.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.95	758100	81852	0.18	92.2	0.68	518	True	0.40
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.95	707900	203035	0.49	98.0	0.72	709	True	0.39
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.95	745800	540767	1.24	99.1	0.73	1132	True	0.40
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.95	718900	1108082	2.63	105.3	0.77	1389	True	0.39
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.95	713200	2096579	5.02	100.4	0.74	2134	True	0.33
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.95	714000	5432775	12.99	104.0	0.76	3350	True	0.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.95	621400	10245828	28.16	112.6	0.82	5226	True	0.31
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.95	598800	22763835	64.92	103.9	0.76	5978	True	0.29

Analyte Name: PFNA
Regression Equation: y = 0.732 x (std. dev. = 0.047) (weighting: None)
Calibration Fit: RSD = 8.06 RSE = 8.06
Average RF:0.732 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

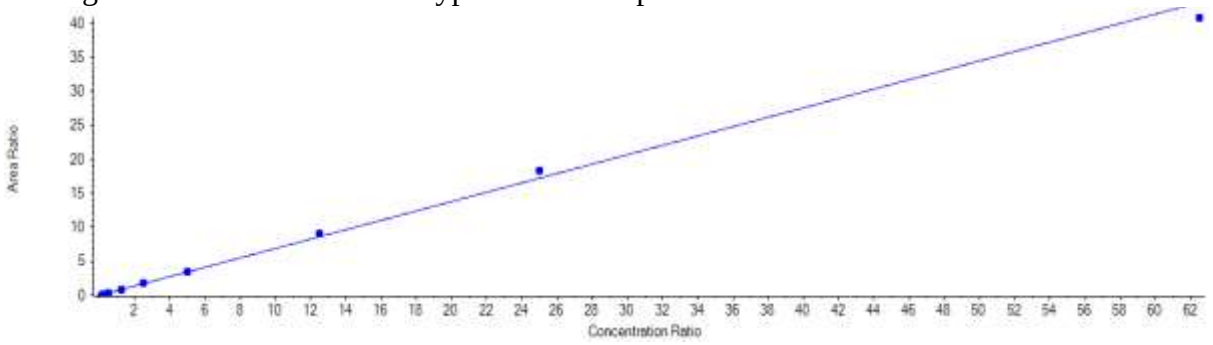
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.18	755900	52636	0.10	101.0	0.87	434	True	1.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.18	745000	96779	0.19	94.2	0.81	980	True	1.35
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.17	709400	227128	0.46	92.9	0.80	1669	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.18	725600	639422	1.28	102.3	0.88	2620	True	1.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.18	724500	1298863	2.60	104.0	0.90	3531	True	1.21
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.18	696100	2380952	4.96	99.2	0.86	3502	True	1.64
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.18	655800	5967617	13.20	105.6	0.91	5677	True	1.70
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.18	601100	10987417	26.51	106.1	0.91	7896	True	1.49
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.18	533200	21763691	59.21	94.7	0.82	10646	True	1.32

Analyte Name: PFDA
Regression Equation: y = 0.862 x (std. dev. = 0.035) (weighting: None)
Calibration Fit: RSD = 5.03 RSE = 5.03
Average RF:0.862 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

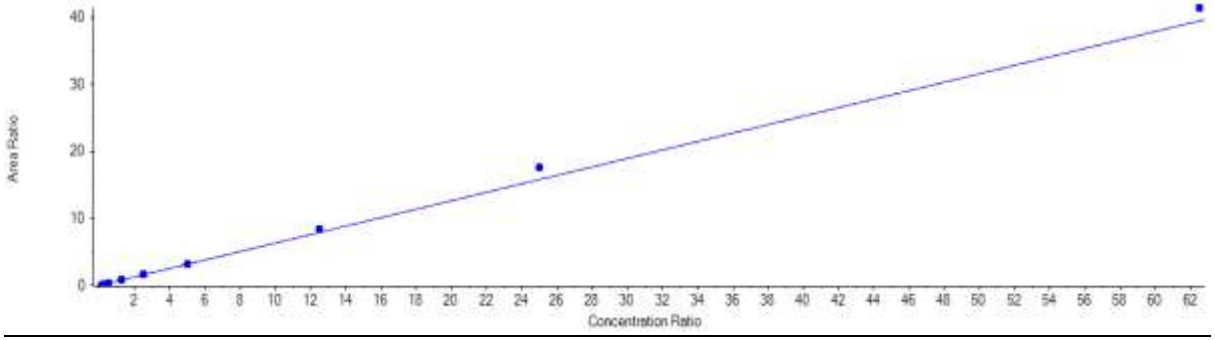
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.47	669300	35228	0.08	83.3	0.66	372	True	1.38
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.47	601600	70846	0.19	93.2	0.74	704	True	0.96
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.47	556900	174087	0.49	98.9	0.78	1324	True	0.96
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.47	575300	462255	1.27	101.7	0.80	2055	True	0.99
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.48	594700	954021	2.54	101.5	0.80	2597	True	0.97
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.47	582400	1816864	4.94	98.7	0.78	7886	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.47	523200	4390261	13.27	106.2	0.84	7069	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.47	464500	8197525	27.92	111.7	0.88	6315	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.47	410100	17004399	65.60	105.0	0.83	10439	True	1.28

Analyte Name: PFUnA
Regression Equation: y = 0.790 x (std. dev. = 0.052) (weighting: None)
Calibration Fit: RSD = 8.17 RSE = 8.17
Average RF:0.790 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

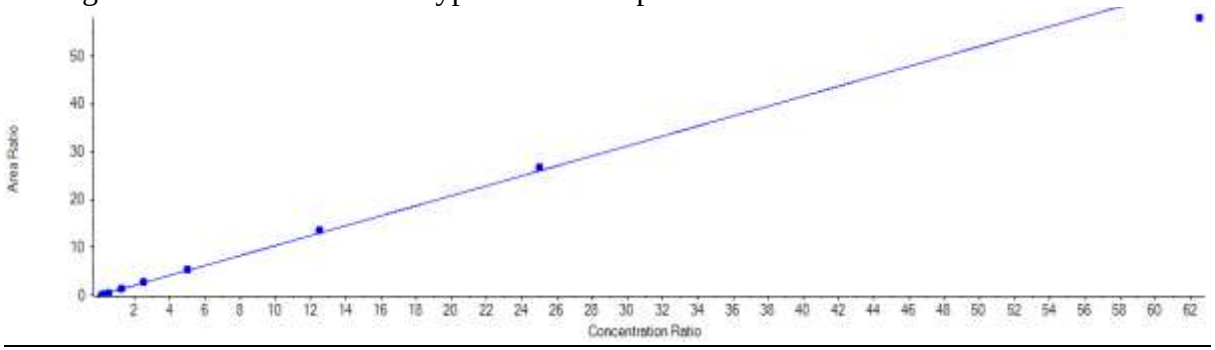
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.91	366900	35360	0.09	92.7	1.21	743	True	1.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.91	361600	71799	0.19	95.4	1.24	924	True	1.16
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.90	351500	178586	0.49	97.7	1.27	1604	True	1.26
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.91	351900	489922	1.34	107.1	1.39	2740	True	1.39
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.91	364500	1010590	2.67	106.6	1.39	4572	True	1.11
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.91	357300	1927599	5.19	103.7	1.35	6964	True	1.40
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.90	355200	4823549	13.05	104.4	1.36	8753	True	1.32
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.91	350000	9400002	25.82	103.3	1.34	11451	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.90	356000	20644301	55.75	89.2	1.16	13675	True	1.46

Analyte Name: PFDoA
Regression Equation: y = 1.300 x (std. dev. = 0.067) (weighting: None)
Calibration Fit: RSD = 6.47 RSE = 6.47
Average RF:1.300 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

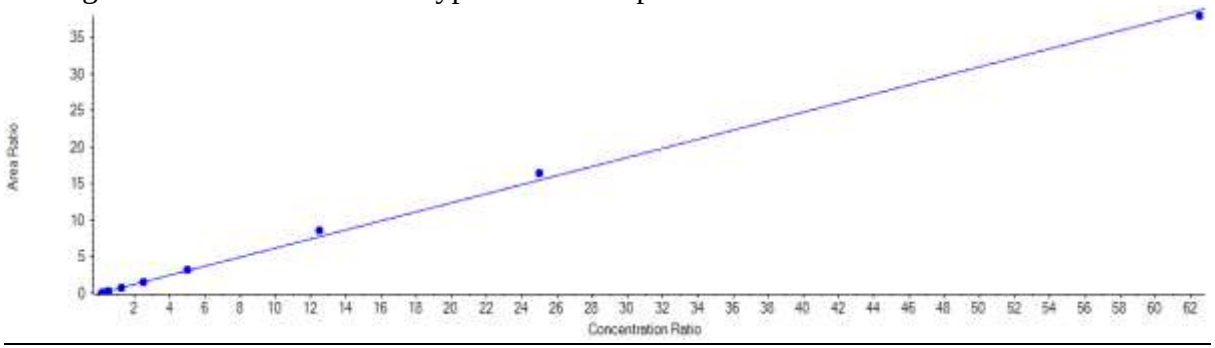
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.50	366900	19413	0.09	85.4	0.66	232	True	1.53
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.50	361600	41986	0.19	93.7	0.73	420	True	1.21
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.50	351500	105929	0.49	97.2	0.75	965	True	1.06
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.51	351900	277739	1.27	101.9	0.79	1363	True	1.21
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.51	364500	588063	2.60	104.1	0.81	1854	True	1.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.50	357300	1141052	5.15	103.0	0.80	2531	True	1.30
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.50	355200	3032059	13.77	110.2	0.85	3644	True	1.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.50	350000	5780095	26.64	106.6	0.83	4417	True	1.26
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.50	356000	13521775	61.28	98.1	0.76	5537	True	1.19

Analyte Name: PFTrDA
Regression Equation: y = 0.775 x (std. dev. = 0.046) (weighting: None)
Calibration Fit: RSD = 7.43 RSE = 7.43
Average RF:0.775 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

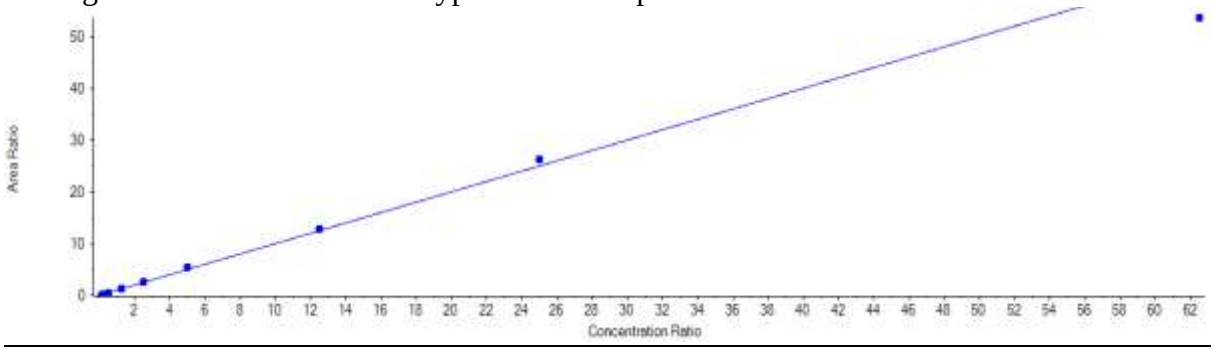
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.91	383300	39916	0.10	103.9	1.30	389	True	1.58
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.91	412200	75539	0.18	91.4	1.15	567	True	1.18
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.91	380500	186633	0.49	97.9	1.23	1068	True	1.21
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.92	392800	504145	1.28	102.4	1.28	1719	True	1.15
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.91	398400	1023758	2.56	102.6	1.29	2236	True	1.20
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.91	382500	2070325	5.40	108.0	1.35	2545	True	1.53
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.91	393600	5094568	12.91	103.3	1.30	6011	True	1.21
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.91	363900	9555438	26.19	104.8	1.31	6583	True	1.67
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.91	385100	20696767	53.62	85.8	1.08	6738	True	1.44

Analyte Name: PFTeDA
Regression Equation: y = 1.253 x (std. dev. = 0.071) (weighting: None)
Calibration Fit: RSD = 7.12 RSE = 7.12
Average RF:1.253 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

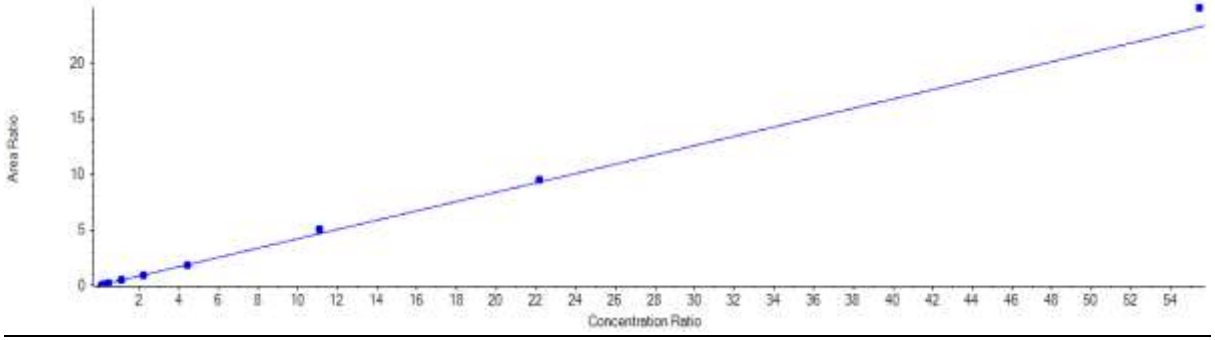
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.32	856300	29114	0.08	91.4	0.89	34	True	0.81
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.31	812400	57514	0.17	95.1	0.93	63	True	1.36
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.31	813200	146551	0.43	96.9	0.95	72	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.32	811200	378090	1.11	100.2	0.98	82	True	1.37
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.32	853200	786438	2.20	99.1	0.97	70	True	1.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.32	809900	1500220	4.42	99.6	0.97	103	True	0.97
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.31	781300	3919451	11.96	107.8	1.05	87	True	1.35
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.32	773600	7381223	22.74	102.6	1.00	75	True	1.05
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.32	699200	17476522	59.58	107.5	1.05	61	True	1.17

Analyte Name: PFBS
Regression Equation: y = 0.978 x (std. dev. = 0.023) (weighting: None)
Calibration Fit: RSD = 5.40 RSE = 5.40
Average RF:0.978 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

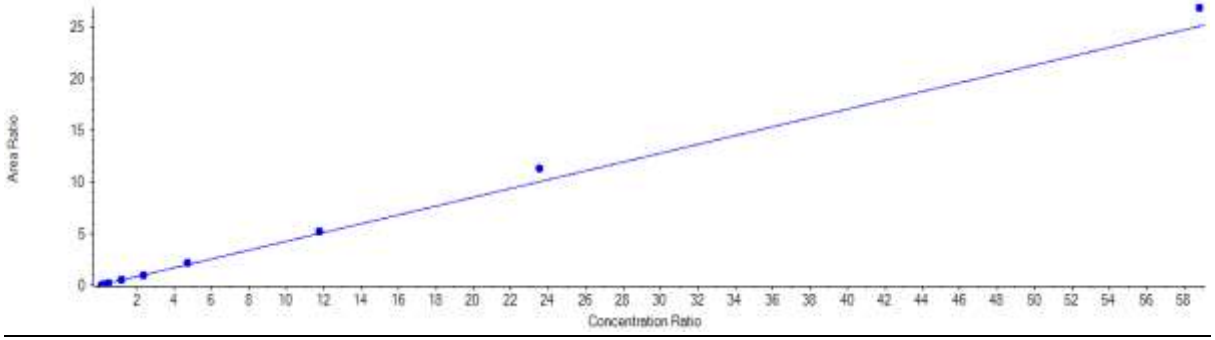
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.34	705600	24008	0.08	84.8	0.86	751	True	1.03
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.34	681100	49418	0.17	90.4	0.91	1408	True	1.29
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.34	639900	120878	0.44	94.1	0.95	2430	True	1.22
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.34	661300	332690	1.18	100.3	1.01	4866	True	1.17
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.34	688800	680161	2.32	98.4	1.00	5997	True	1.39
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.34	610000	1312585	5.05	107.2	1.08	8414	True	1.15
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.34	650600	3422752	12.34	104.9	1.06	16269	True	1.14
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.34	597600	6765018	26.54	112.8	1.14	18343	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.34	590500	15870136	63.01	107.1	1.08	27047	True	1.26

Analyte Name: PFPeS
Regression Equation: y = 1.011 x (std. dev. = 0.039) (weighting: None)
Calibration Fit: RSD = 9.03 RSE = 9.03
Average RF:1.011 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

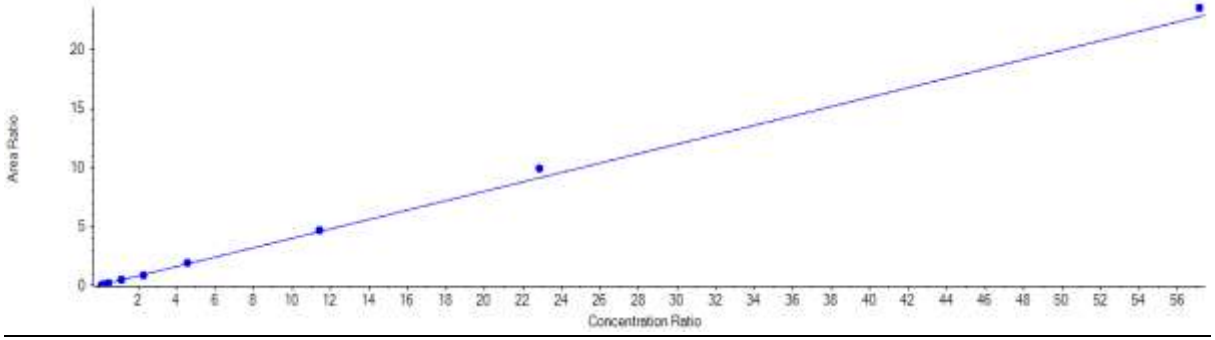
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.62	705600	25007	0.09	97.1	0.92	32741	True	0.17
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.61	681100	50270	0.19	101.2	0.96	9073	True	1.24
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.61	639900	110263	0.43	94.5	0.89	9640	True	0.17
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.62	661300	286954	1.09	95.2	0.90	27806	True	1.04
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.62	688800	599989	2.18	95.5	0.90	40481	True	0.16
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.62	610000	1147248	4.71	103.1	0.98	42905	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.61	650600	3015740	11.61	101.7	0.96	20017	True	1.16
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.62	597600	5917905	24.81	108.6	1.03	40237	True	1.16
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.62	590500	13905841	59.00	103.3	0.98	848848	True	0.15

Analyte Name: PFHxS
Regression Equation: y = 0.946 x (std. dev. = 0.019) (weighting: None)
Calibration Fit: RSD = 4.75 RSE = 4.75
Average RF:0.946 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

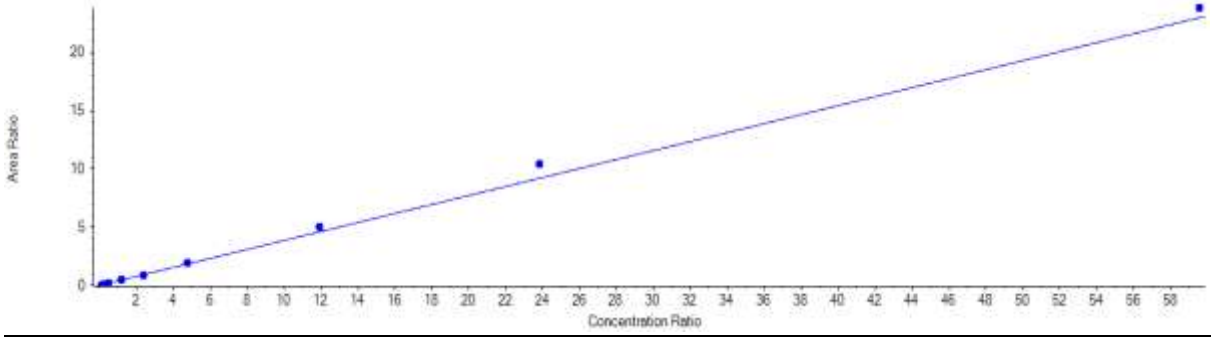
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.02	732200	22616	0.08	84.0	0.78	3220	True	1.25
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.01	723500	48727	0.18	91.6	0.85	4477	True	0.81
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.01	677200	122492	0.47	98.4	0.91	2653	True	1.51
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.02	681900	306646	1.17	97.9	0.90	60036	True	1.46
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.02	747800	649407	2.25	94.5	0.87	1174053	True	1.35
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.02	667800	1320608	5.13	107.6	0.99	23379142	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.01	666100	3346971	13.02	109.3	1.01	17356	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.02	620600	6449656	26.94	113.1	1.05	22541	True	1.00
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.02	614900	14651286	61.77	103.7	0.96	113644652	True	0.95

Analyte Name: PFHpS
Regression Equation: y = 0.924 x (std. dev. = 0.036) (weighting: None)
Calibration Fit: RSD = 9.31 RSE = 9.31
Average RF:0.924 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

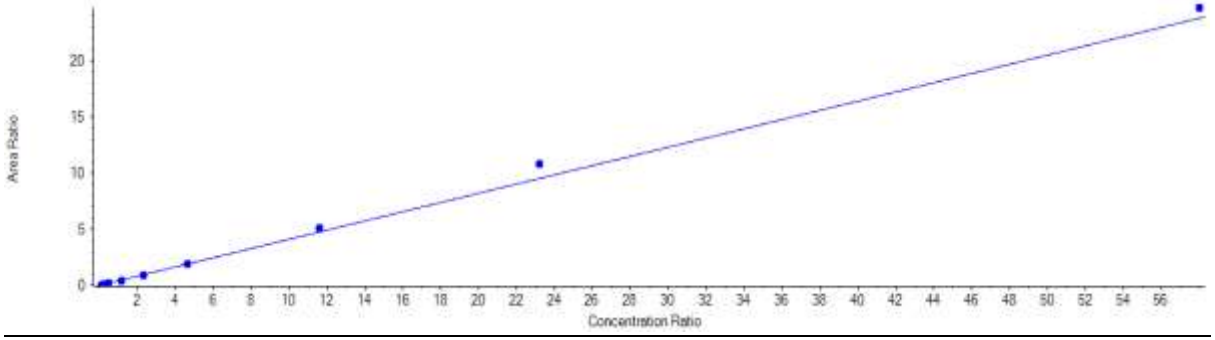
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.28	732200	25837	0.09	92.6	0.91	180	True	0.75
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.27	723500	52468	0.18	95.1	0.94	461	True	0.23
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.27	677200	128413	0.46	99.5	0.98	1030	True	0.27
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.28	681900	306039	1.09	94.2	0.93	1470	True	0.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.28	747800	668069	2.18	93.8	0.92	1870	True	0.27
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.27	667800	1290080	4.70	101.4	1.00	1963	True	0.29
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.27	666100	3372642	12.33	106.3	1.05	3548	True	0.33
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.28	620600	6704354	26.30	113.4	1.12	4128	True	0.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.27	614900	15218317	60.26	103.9	1.02	4971	True	0.28

Analyte Name: PFOS
Regression Equation: y = 0.984 x (std. dev. = 0.029) (weighting: None)
Calibration Fit: RSD = 6.95 RSE = 6.95
Average RF:0.984 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

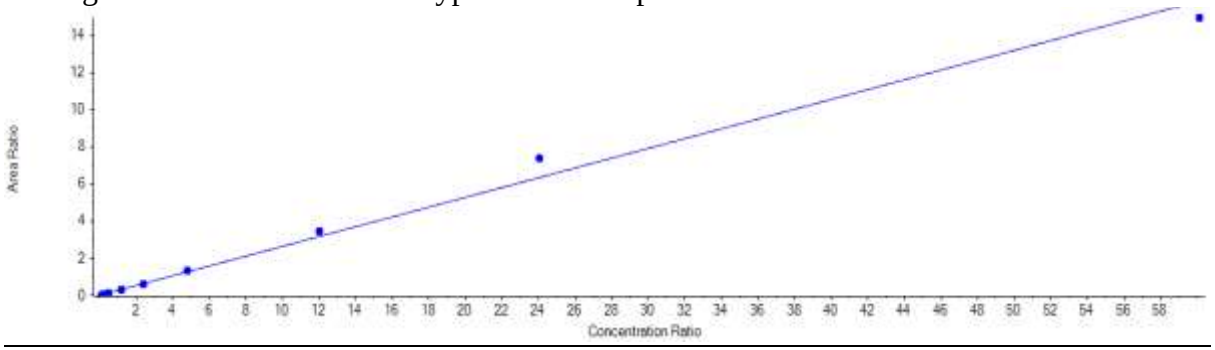
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.63	732200	15906	0.08	85.6	0.54	347	True	1.10
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.63	723500	34346	0.18	93.6	0.59	7658	True	1.34
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.62	677200	84849	0.48	98.8	0.62	11144	True	1.21
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.63	681900	220414	1.23	101.9	0.64	10074	True	1.32
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.63	747800	452953	2.30	95.5	0.60	13160	True	1.36
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.63	667800	887318	5.04	104.8	0.66	8484	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.63	666100	2304611	13.12	109.1	0.69	8538	True	1.02
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.63	620600	4586269	28.02	116.5	0.74	18061	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.63	614900	9187351	56.66	94.2	0.60	16737	True	1.14

Analyte Name: PFNS
Regression Equation: y = 0.632 x (std. dev. = 0.024) (weighting: None)
Calibration Fit: RSD = 9.25 RSE = 9.25
Average RF:0.632 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

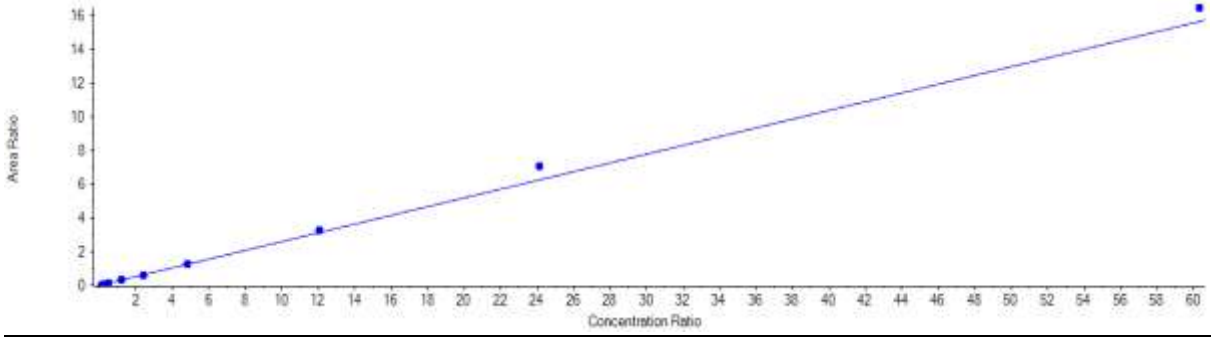
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.15	732200	16034	0.08	87.4	0.54	1465	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.15	723500	33457	0.18	92.2	0.57	3522	True	1.19
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.14	677200	79503	0.45	93.7	0.58	7344	True	1.33
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.15	681900	224077	1.27	104.9	0.65	14605	True	1.19
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.15	747800	450279	2.32	96.1	0.60	10431	True	1.22
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.15	667800	862876	4.97	103.1	0.64	100447	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.14	666100	2184110	12.62	104.6	0.65	33767	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.14	620600	4389768	27.23	112.9	0.70	27975	True	1.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.14	614900	10136479	63.46	105.2	0.66	29238	True	1.23

Analyte Name: PFDS
Regression Equation: y = 0.622 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 8.09 RSE = 8.09
Average RF:0.622 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

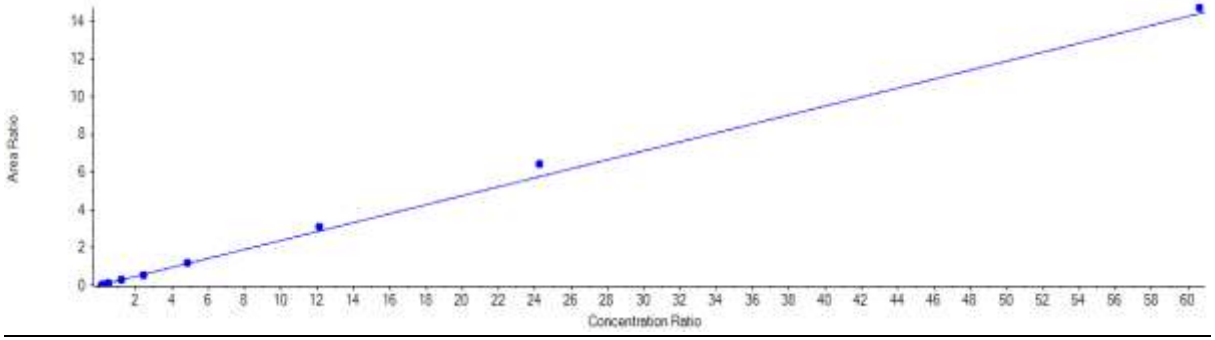
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.01	732200	14889	0.09	88.1	0.50	28946	True	1.15
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.00	723500	31280	0.18	93.7	0.53	3800	True	0.82
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.00	677200	76105	0.47	97.4	0.56	6785	True	0.84
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.01	681900	199205	1.23	101.3	0.58	130155	True	1.39
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.01	747800	418271	2.35	96.9	0.55	22261	True	1.43
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.00	667800	781329	4.92	101.4	0.58	184218	True	1.08
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.00	666100	2057796	12.98	107.1	0.61	10089	True	0.85
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.01	620600	4012335	27.17	112.1	0.64	102420	True	1.15
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.00	614900	9057070	61.91	102.1	0.58	18400	True	1.07

Analyte Name: PFDoS
Regression Equation: y = 0.570 x (std. dev. = 0.017) (weighting: None)
Calibration Fit: RSD = 7.08 RSE = 7.08
Average RF:0.570 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

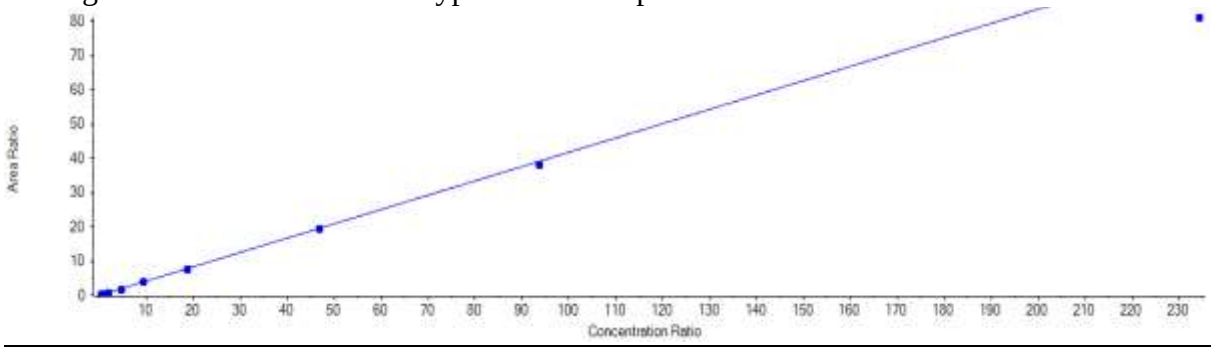
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.14	316000	63237	0.48	127.7	2.50	933	True	0.97
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.13	292500	102451	0.84	111.8	2.19	491983	True	1.48
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.14	284100	214011	1.80	96.2	1.88	1806	True	1.57
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.14	293700	502551	4.10	87.4	1.71	29167999	True	1.29
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.14	296100	1152996	9.32	99.4	1.95	4172	True	1.09
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.14	279400	2150596	18.42	98.2	1.93	4758	True	1.53
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.13	271600	5291738	46.63	99.5	1.95	2568647	True	1.45
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.14	270900	10310809	91.08	97.2	1.90	5795546	True	0.96
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.14	285500	23137425	193.97	82.8	1.62	171109961	True	1.04

Analyte Name: 4:2FTS
Regression Equation: y = 1.960 x (std. dev. = 0.055) (weighting: None)
Calibration Fit: RSD = 13.18 RSE = 13.18
Average RF:1.960 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

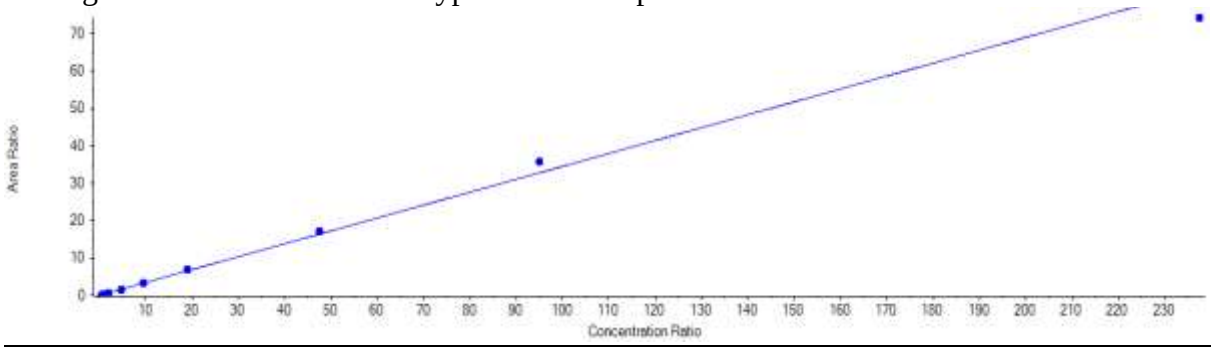
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.09	238700	29652	0.36	94.8	1.55	5755123	True	1.28
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.09	214800	54403	0.73	96.6	1.59	672	True	0.95
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.09	212200	134548	1.84	96.7	1.59	2075	True	1.04
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.10	208800	344993	4.79	100.8	1.65	3309	True	1.13
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.09	217600	731187	9.74	102.5	1.68	47100004	True	1.15
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.09	207100	1415815	19.81	104.3	1.71	4100892	True	1.45
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.09	208600	3565584	49.53	104.3	1.71	120969116	True	1.38
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.09	200500	7191794	103.98	109.5	1.80	4944	True	1.19
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.09	218700	16231198	215.16	90.6	1.49	1168487	True	1.39

Analyte Name: 6:2FTS
Regression Equation: y = 1.640 x (std. dev. = 0.020) (weighting: None)
Calibration Fit: RSD = 5.82 RSE = 5.82
Average RF:1.640 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

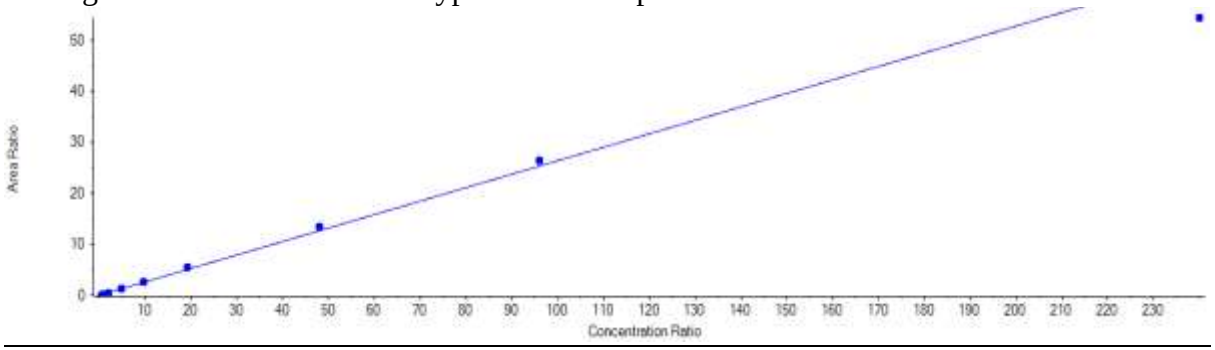
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.07	355700	32302	0.34	89.6	1.14	1120	True	1.05
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.07	350100	67583	0.73	95.2	1.21	39273	True	1.57
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.07	314700	160030	1.93	100.3	1.27	370097	True	1.56
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.08	324500	432638	5.05	105.2	1.33	4642	True	1.42
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.07	341500	910884	10.10	105.2	1.33	4008	True	1.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.07	309400	1682010	20.59	107.2	1.36	5550	True	1.02
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.07	298200	4038399	51.28	106.8	1.35	5812	True	1.15
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.08	271800	7209364	100.44	104.6	1.33	7027	True	1.03
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.07	278600	15163258	206.09	85.9	1.09	9396	True	1.68

Analyte Name: 8:2FTS
Regression Equation: y = 1.267 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 7.96 RSE = 7.96
Average RF:1.267 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

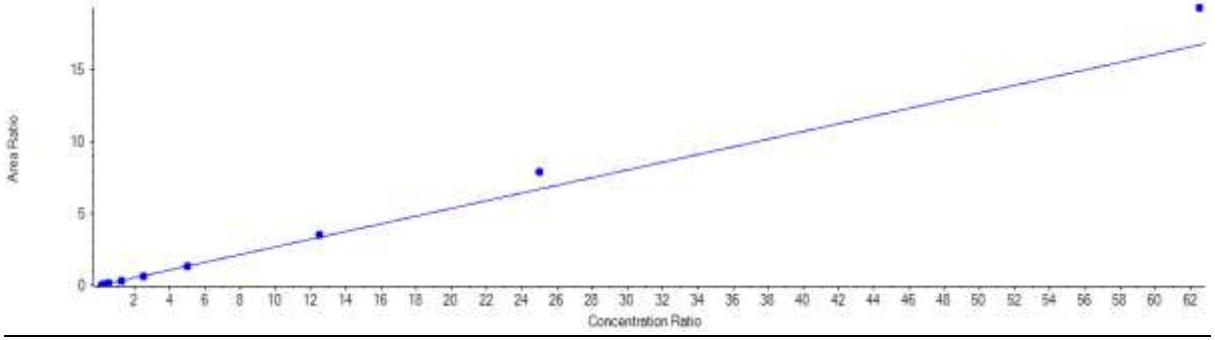
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.55	1055000	25409	0.09	90.1	0.60	480	True	0.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.54	1009000	48458	0.18	89.8	0.60	664	True	0.18
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.54	992200	119348	0.45	90.0	0.60	872	True	0.17
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.55	1001000	319396	1.19	95.5	0.64	22824431	True	0.17
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.55	1011000	658264	2.44	97.4	0.65	38374	True	0.18
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.55	938700	1244740	4.96	99.2	0.66	2974031	True	0.16
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.54	902700	3171379	13.14	105.1	0.70	1226	True	0.17
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.55	820100	6437202	29.36	117.4	0.79	86873	True	0.15
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.54	780100	15046966	72.14	115.4	0.77	22190	True	0.18

Analyte Name: PFOSA
Regression Equation: y = 0.668 x (std. dev. = 0.028) (weighting: None)
Calibration Fit: RSD = 10.60 RSE = 10.60
Average RF:0.668 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

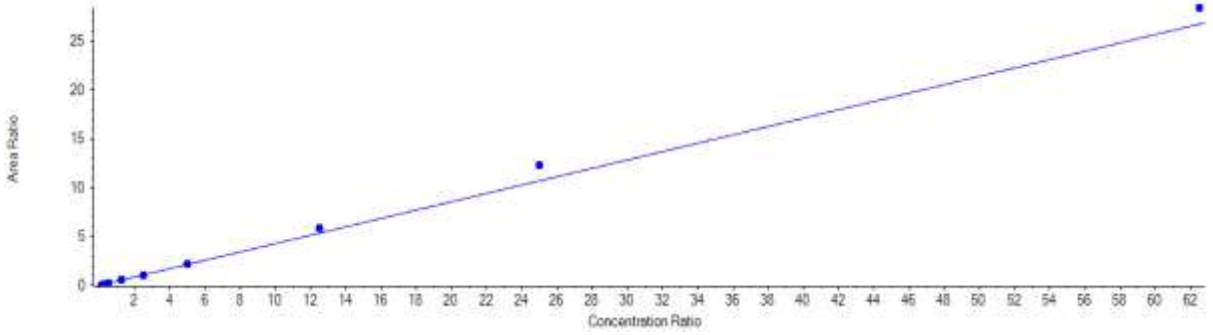
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.17	174700	5812	0.08	77.7	0.83	598555	True	0.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.16	155700	13659	0.21	102.4	1.10	233	True	0.29
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.16	159200	30885	0.45	90.6	0.97	23430	True	0.31
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.17	162800	85925	1.23	98.6	1.06	22807	True	0.28
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.17	166900	173879	2.43	97.3	1.04	610172	True	0.28
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.17	153200	337828	5.15	103.0	1.10	11133	True	0.24
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.17	153000	895612	13.67	109.4	1.17	6479	True	0.31
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.17	148600	1828142	28.71	114.9	1.23	4490	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.17	155900	4433790	66.40	106.2	1.14	8489	True	0.25

Analyte Name: NMeFOSA
Regression Equation: y = 1.071 x (std. dev. = 0.047) (weighting: None)
Calibration Fit: RSD = 10.94 RSE = 10.94
Average RF:1.071 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

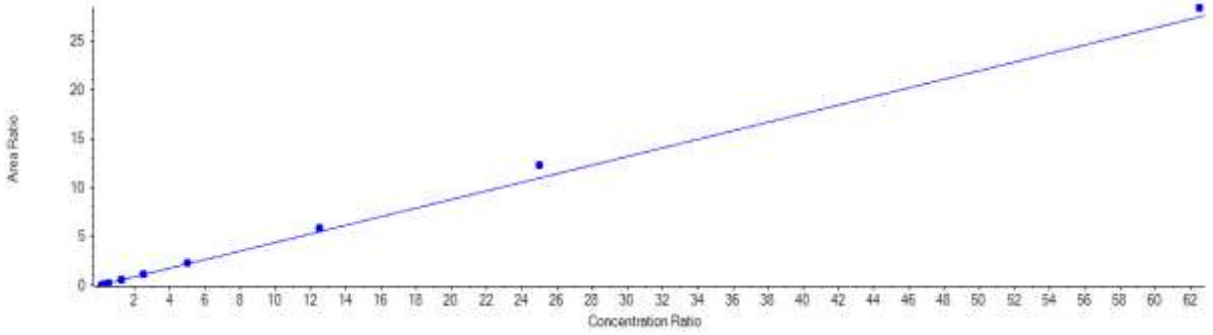
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.38	167500	6309	0.09	85.7	0.94	8149	True	0.31
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.38	167100	12795	0.17	87.2	0.96	74730	True	0.27
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.37	153300	31911	0.47	94.8	1.04	227762	True	0.27
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.38	158000	90396	1.30	104.2	1.14	39369	True	0.27
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.38	160700	181221	2.57	102.7	1.13	6895810	True	0.23
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.38	151400	342011	5.14	102.9	1.13	9106041	True	0.25
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.38	150300	887257	13.44	107.5	1.18	6668	True	0.23
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.38	142000	1739926	27.89	111.6	1.23	203912	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.38	149000	4230356	64.65	103.4	1.14	26257	True	0.27

Analyte Name: NEtFOSA
Regression Equation: y = 1.098 x (std. dev. = 0.039) (weighting: None)
Calibration Fit: RSD = 8.88 RSE = 8.88
Average RF:1.098 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

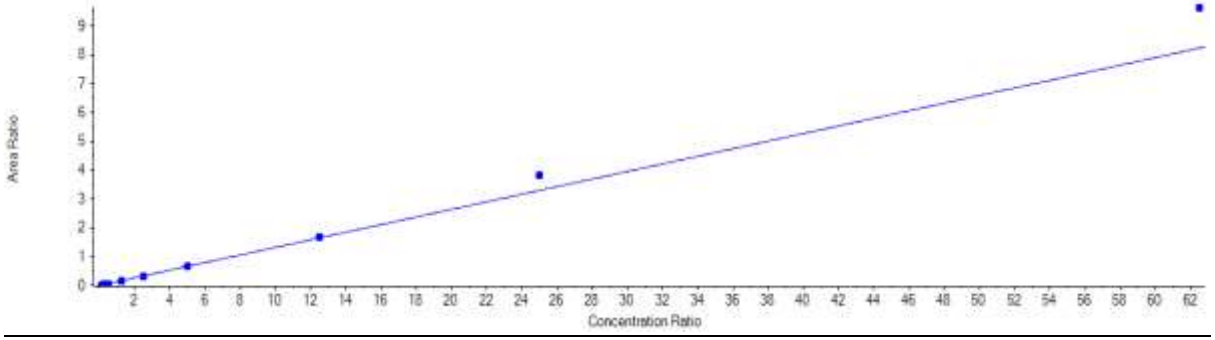
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.22	873200	10089	0.09	87.8	0.58	29422	True	0.89
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.22	828200	19476	0.18	89.4	0.59	335	True	1.27
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.22	649400	36814	0.43	86.2	0.57	811	True	1.48
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.23	839100	138283	1.25	100.2	0.66	1949	True	1.44
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.23	700000	231441	2.51	100.5	0.66	1249	True	1.42
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.23	693300	460043	5.04	100.9	0.66	2090	True	1.03
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.22	693500	1169398	12.81	102.5	0.67	1742	True	1.19
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.23	679700	2587090	28.92	115.7	0.76	1459	True	1.00
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.23	532600	5124216	73.11	117.0	0.77	1402	True	0.93

Analyte Name: NMeFOSAA
Regression Equation: y = 0.658 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 11.16 RSE = 11.16
Average RF:0.658 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

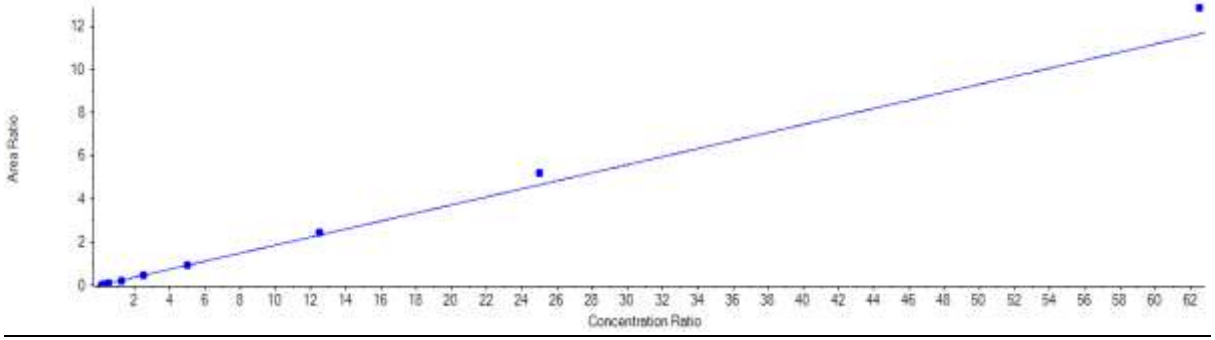
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.36	401500	6220	0.08	83.1	0.77	349	True	1.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.37	384200	14442	0.20	100.8	0.94	328	True	1.00
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.36	377500	35871	0.51	101.9	0.95	455	True	0.51
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.37	387000	84369	1.17	93.5	0.87	622	True	0.47
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.37	404700	180301	2.39	95.6	0.89	564	True	0.50
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.37	385700	356003	4.95	99.0	0.92	889	True	0.43
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.36	368700	895167	13.02	104.2	0.97	781	True	0.48
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.37	359800	1868827	27.86	111.4	1.04	1062	True	1.13
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.37	340800	4386182	69.03	110.4	1.03	911	True	1.58

Analyte Name: NEtFOSAA
Regression Equation: y = 0.932 x (std. dev. = 0.016) (weighting: None)
Calibration Fit: RSD = 8.73 RSE = 8.73
Average RF:0.932 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

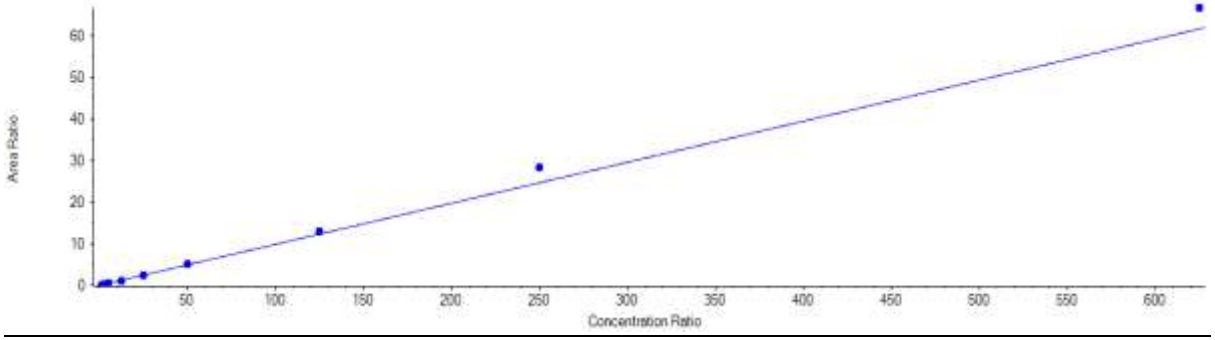
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.08	1247000	109398	0.89	88.9	2.19	1787	True	0.26
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.08	1181000	220343	1.89	94.5	2.33	1918	True	0.31
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.08	1164000	543241	4.73	94.6	2.33	4149	True	0.32
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.08	1228000	1480904	12.22	97.8	2.41	3172	True	0.30
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.08	1289000	2982647	23.45	93.8	2.31	13701	True	0.30
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.08	1204000	6081925	51.19	102.4	2.53	17397	True	0.25
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.08	1269000	16436198	131.22	105.0	2.59	6722	True	0.32
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.08	1205000	34160374	287.20	114.9	2.83	10771	True	0.25
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.08	1259000	84038487	676.35	108.2	2.67	9664	True	0.25

Analyte Name: NMeFOSE
Regression Equation: y = 2.467 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 8.26 RSE = 8.26
Average RF:2.467 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

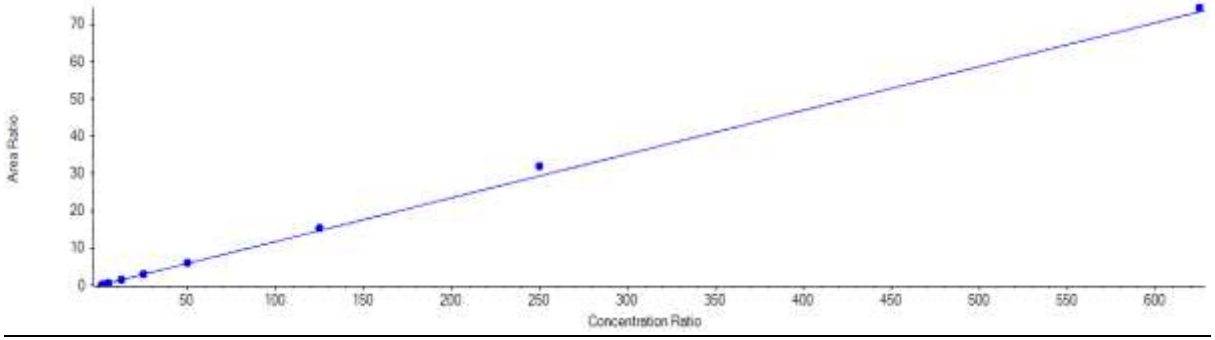
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	10.28	1961000	200381	0.87	87.1	2.56	1226	True	0.29
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	10.28	1862000	414400	1.90	94.8	2.78	1083	True	0.25
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	10.27	1797000	1009032	4.78	95.6	2.81	2095	True	0.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	10.28	1877000	2767938	12.56	100.5	2.95	2771	True	0.24
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	10.28	1859000	5649756	25.89	103.6	3.04	3392	True	0.26
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	10.28	1796000	10881697	51.62	103.3	3.03	4693	True	0.28
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	10.28	1794000	27604824	131.07	104.9	3.08	4266	True	0.28
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	10.28	1689000	53947112	272.13	108.9	3.19	4972	True	0.30
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	10.28	1668000	124215059	634.26	101.5	2.98	5049	True	0.23

Analyte Name: NEtFOSE
Regression Equation: y = 2.935 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 6.53 RSE = 6.53
Average RF:2.935 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

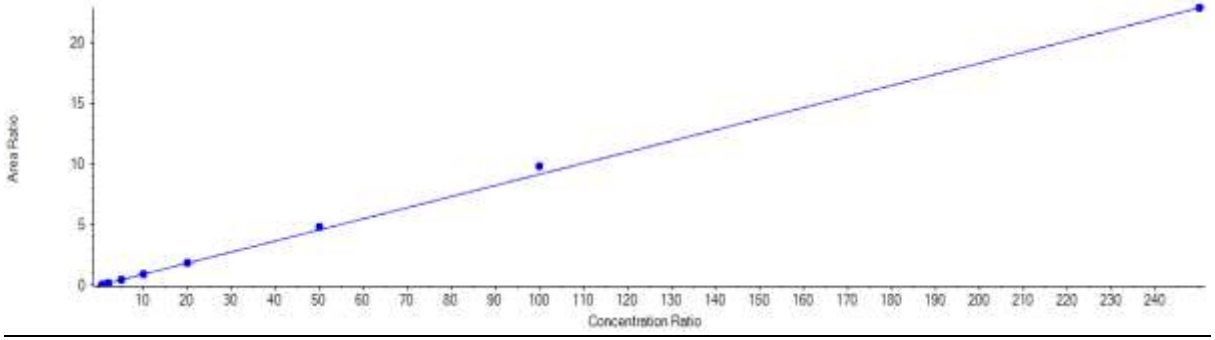
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.61	2886000	92315	0.35	87.2	0.80	20279	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.60	2757000	196682	0.78	97.3	0.89	2485	True	1.08
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.60	2653000	500246	2.06	102.8	0.94	7412	True	1.25
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.60	2847000	1288956	4.94	98.8	0.91	62161	True	1.35
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.60	3027000	2739320	9.87	98.7	0.91	18258	True	1.14
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.60	2725000	5113517	20.47	102.3	0.94	27944	True	1.20
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.60	2718000	13116686	52.65	105.3	0.97	25693	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.60	2507000	24712719	107.52	107.5	0.99	38611	True	1.08
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.60	2454000	56235106	249.99	100.0	0.92	44180	True	1.21

Analyte Name: HFPO-DA
Regression Equation: y = 0.917 x (std. dev. = 0.005) (weighting: None)
Calibration Fit: RSD = 5.83 RSE = 5.83
Average RF:0.917 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

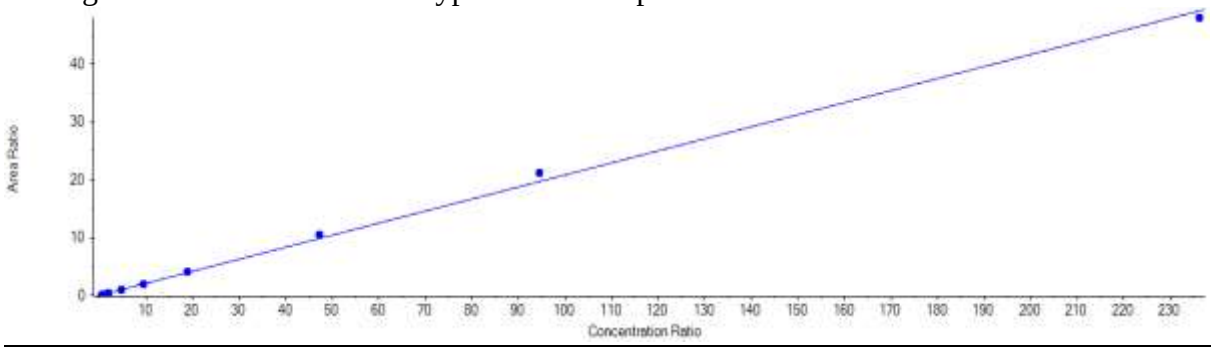
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	6.72	2886000	201429	0.34	88.6	1.85	25325	True	1.16
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	6.72	2757000	425384	0.74	97.9	2.04	44579	True	1.11
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	6.72	2653000	1036431	1.87	99.1	2.07	341420	True	1.01
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	6.72	2847000	2822750	4.76	100.7	2.10	15753	True	1.32
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	6.72	3027000	5872996	9.31	98.5	2.05	15728	True	1.09
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	6.72	2725000	11102447	19.54	103.4	2.16	13709	True	1.07
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	6.71	2718000	28514834	50.33	106.5	2.22	30974	True	1.30
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	6.72	2507000	53256061	101.89	107.8	2.25	25828	True	1.05
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	6.72	2454000	117900625	230.46	97.6	2.03	28418	True	1.36

Analyte Name: ADONA
Regression Equation: y = 2.085 x (std. dev. = 0.012) (weighting: None)
Calibration Fit: RSD = 5.70 RSE = 5.70
Average RF:2.085 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

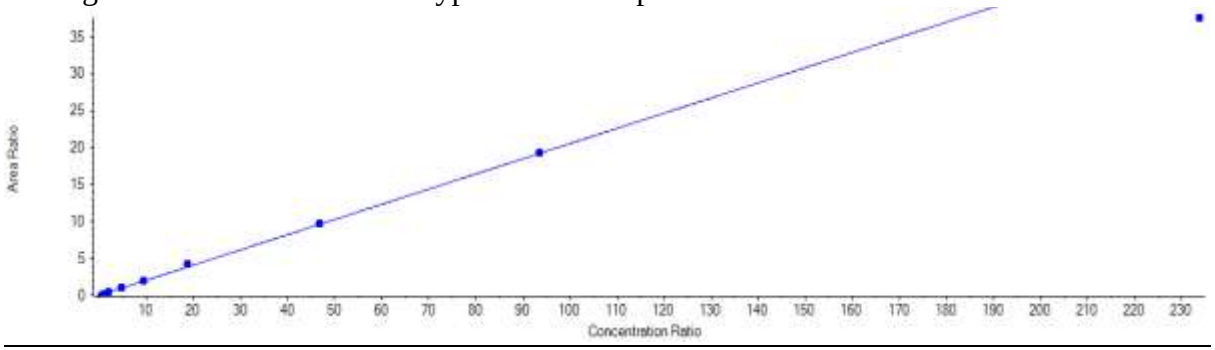
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.50	2886000	195597	0.33	88.2	1.81	856461	True	0.86
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.50	2757000	444386	0.78	104.8	2.16	1583171	True	1.10
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.49	2653000	1064499	1.95	104.4	2.15	2862685	True	1.03
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.50	2847000	2946988	5.04	107.7	2.21	88586	True	1.05
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.50	3027000	6066657	9.75	104.3	2.14	6318	True	1.08
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.50	2725000	11512976	20.55	109.9	2.26	1142992	True	1.17
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.50	2718000	26617233	47.64	101.9	2.10	80345	True	1.37
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.50	2507000	48493859	94.09	100.6	2.07	96371	True	1.29
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	8.50	2454000	92226023	182.83	78.2	1.61	119953	True	1.15

Analyte Name: 9Cl-PF3ONS
Regression Equation: y = 2.056 x (std. dev. = 0.021) (weighting: None)
Calibration Fit: RSD = 10.23 RSE = 10.23
Average RF:2.056 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

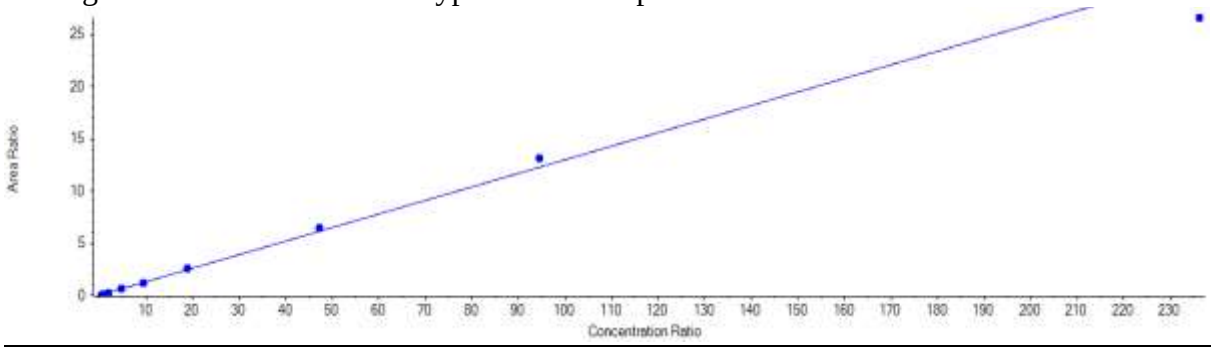
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	9.57	2886000	136607	0.37	96.4	1.25	1958	True	1.05
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	9.57	2757000	265657	0.74	98.2	1.27	3313	True	0.91
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	9.57	2653000	665847	1.93	102.3	1.33	3193	True	1.11
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	9.58	2847000	1734547	4.69	99.3	1.29	4468	True	1.28
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	9.58	3027000	3680248	9.37	99.1	1.29	549080	True	1.32
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	9.57	2725000	7082207	20.01	105.9	1.38	186177	True	0.98
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	9.57	2718000	17563776	49.77	105.3	1.37	1838742	True	1.10
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	9.57	2507000	32877183	100.99	106.9	1.39	101214	True	1.38
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	9.57	2454000	65219566	204.69	86.6	1.13	53514	True	1.33

Analyte Name: 11Cl-PF3OUdS
Regression Equation: y = 1.298 x (std. dev. = 0.008) (weighting: None)
Calibration Fit: RSD = 6.24 RSE = 6.24
Average RF:1.298 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

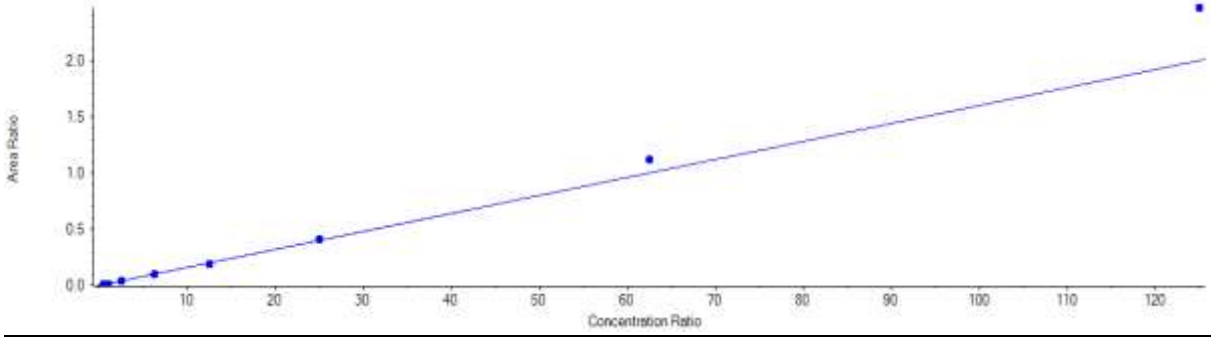
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.91	1742000	11661	0.42	83.7	0.07	549	True	1.14
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.91	1675000	23352	0.87	87.2	0.07	6376312	True	1.13
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.91	1617000	61750	2.39	95.5	0.08	652224	True	1.33
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.92	1673000	162277	6.06	97.0	0.08	2725	True	1.14
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.92	1701000	330654	12.15	97.2	0.08	1464	True	1.68
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.91	1593000	659551	25.88	103.5	0.08	4667	True	1.23
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.91	1536000	1725859	70.27	112.4	0.09	551294	True	1.22
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.91	1347000	3325237	154.34	123.5	0.10	480675	True	1.55
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	N/A	1241000	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 3:3FTCA
Regression Equation: y = 0.080 x (std. dev. = 0.002) (weighting: None)
Calibration Fit: RSD = 13.02 RSE = 13.02
Average RF:0.080 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

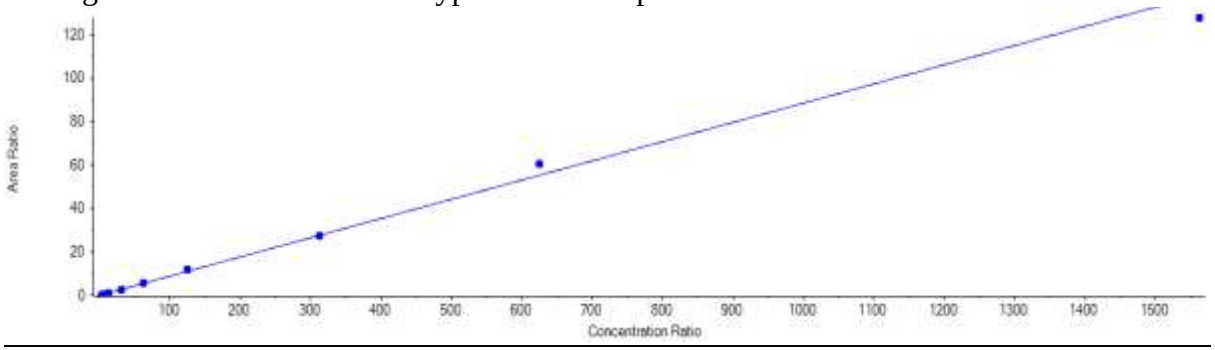
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.16	1043000	225324	2.44	97.8	0.22	7438	True	1.27
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.16	1082000	457091	4.78	95.6	0.21	4516	True	1.28
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.16	1035000	1109466	12.13	97.0	0.21	17454	True	1.13
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.17	1088000	2908807	30.24	96.8	0.21	26902	True	1.53
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.16	1067000	6221772	65.95	105.5	0.23	21075	True	1.27
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.16	995300	11672941	132.65	106.1	0.24	30755	True	1.19
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.16	1062000	29042126	309.44	99.0	0.22	26557	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.16	952600	57800169	686.27	109.8	0.24	27228	True	1.32
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.16	942500	120353707	1444.28	92.4	0.20	34647	True	1.20

Analyte Name: 5:3FTCA
Regression Equation: y = 0.221 x (std. dev. = 0.005) (weighting: None)
Calibration Fit: RSD = 5.77 RSE = 5.77
Average RF:0.221 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

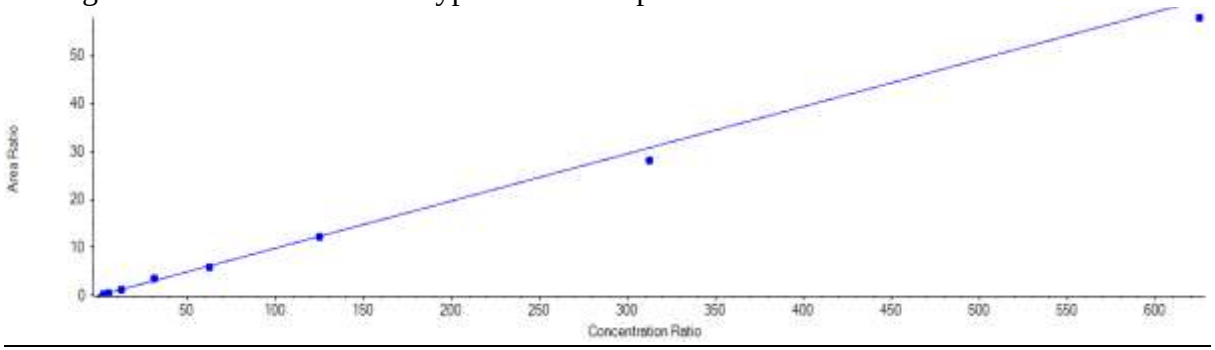
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	8.21	1043000	272814	2.66	106.3	0.26	816972	True	1.42
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	8.21	1082000	583552	5.48	109.6	0.27	883473	True	1.02
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	8.21	1035000	1148521	11.28	90.2	0.22	1064938	True	1.11
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	8.22	1088000	3798713	35.47	113.5	0.28	3323	True	1.07
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	8.21	1067000	6248141	59.49	95.2	0.23	522134	True	1.03
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	8.21	995300	12166666	124.20	99.4	0.24	14783	True	1.27
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	8.21	1062000	29960681	286.75	91.8	0.23	24002	True	1.50
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	8.21	952600	55121038	587.88	94.1	0.23	38567	True	1.31
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	N/A	942500	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 7:3FTCA
Regression Equation: y = 0.246 x (std. dev. = 0.009) (weighting: None)
Calibration Fit: RSD = 8.76 RSE = 8.76
Average RF:0.246 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

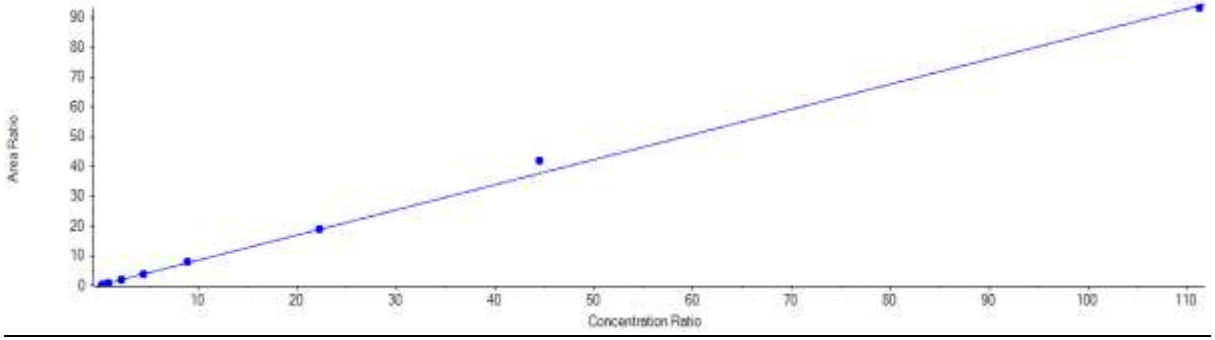
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.71	1043000	150155	0.17	95.7	2.02	3071	True	1.18
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.71	1082000	304483	0.33	93.5	1.98	5410	True	1.33
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.71	1035000	748553	0.86	96.1	2.03	5953	True	1.19
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.71	1088000	1967602	2.14	96.1	2.03	12486	True	1.24
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.71	1067000	4052494	4.49	100.9	2.13	13782	True	1.49
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.71	995300	7928840	9.42	105.9	2.24	17439	True	1.40
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.71	1062000	20195715	22.50	101.1	2.14	34835	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.71	952600	39950589	49.60	111.5	2.36	44053	True	1.37
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.71	942500	87964966	110.38	99.2	2.10	58046	True	1.19

Analyte Name: PFEESA
Regression Equation: y = 2.114 x (std. dev. = 0.048) (weighting: None)
Calibration Fit: RSD = 5.70 RSE = 5.70
Average RF:2.114 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

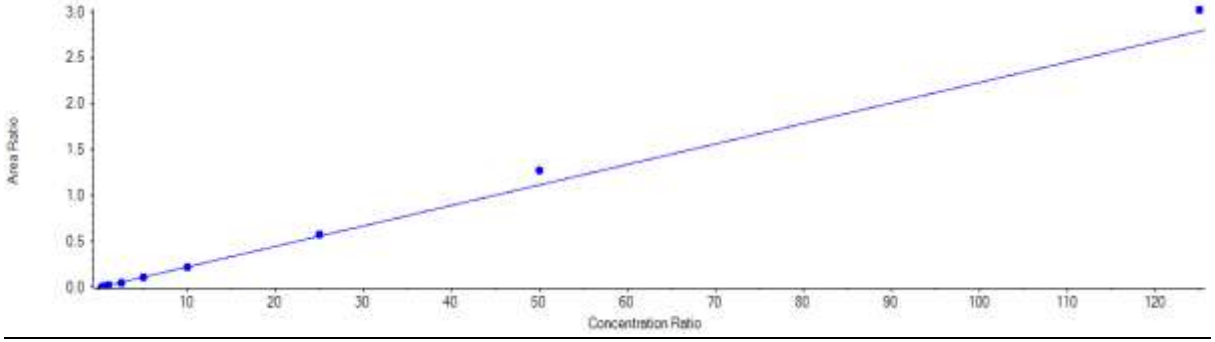
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	3.85	1742000	7169	0.18	92.2	0.10	497	True	1.15
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	3.85	1675000	14165	0.38	94.7	0.11	787	True	1.16
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	3.85	1617000	33877	0.94	93.9	0.11	1334	True	1.35
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	3.86	1673000	90755	2.43	97.2	0.11	2435	True	1.13
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	3.85	1701000	186580	4.91	98.3	0.11	3255	True	0.99
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	3.85	1593000	351979	9.90	99.0	0.11	4883	True	1.28
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	3.84	1536000	875313	25.54	102.2	0.11	6361	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	3.85	1347000	1717029	57.11	114.2	0.13	10711	True	1.12
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	3.86	1241000	3753262	135.50	108.4	0.12	12755	True	1.08

Analyte Name: PFMPA
Regression Equation: y = 0.112 x (std. dev. = 0.002) (weighting: None)
Calibration Fit: RSD = 7.21 RSE = 7.21
Average RF:0.112 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

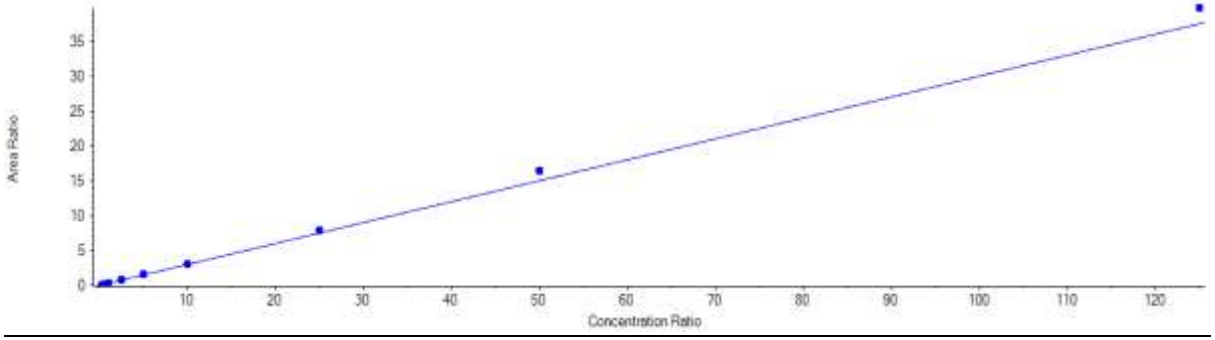
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	4.88	1742000	93621	0.18	89.3	1.34	1504	True	1.37
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	4.87	1675000	191221	0.38	94.8	1.43	1959	True	1.25
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	4.87	1617000	470133	0.97	96.6	1.45	2484	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	4.88	1673000	1223138	2.43	97.2	1.46	13679	True	1.14
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	4.88	1701000	2617337	5.11	102.2	1.54	9691	True	0.97
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	4.88	1593000	4778782	9.97	99.7	1.50	12087	True	1.31
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	4.87	1536000	12117026	26.22	104.9	1.58	17509	True	1.33
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	4.88	1347000	22136596	54.61	109.2	1.64	18616	True	0.93
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	4.88	1241000	49534492	132.63	106.1	1.60	27796	True	1.04

Analyte Name: PFMBA
Regression Equation: y = 1.505 x (std. dev. = 0.019) (weighting: None)
Calibration Fit: RSD = 6.25 RSE = 6.25
Average RF:1.505 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

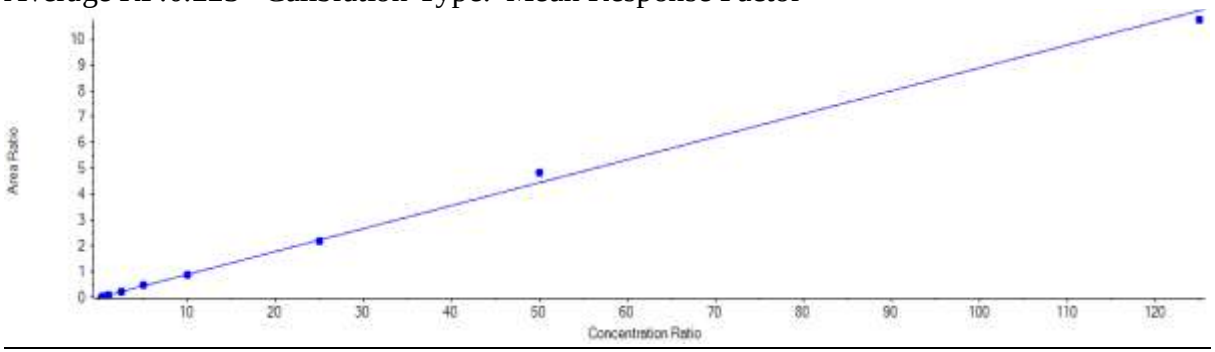
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.26	1043000	19368	0.21	104.3	0.23	1279	True	1.04
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.26	1082000	37544	0.39	97.4	0.22	1999	True	0.95
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.25	1035000	88598	0.96	96.2	0.21	3362	True	0.88
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.26	1088000	227164	2.35	93.8	0.21	5793	True	1.43
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.26	1067000	496414	5.23	104.5	0.23	3450	True	1.24
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.26	995300	880207	9.94	99.4	0.22	5007	True	0.98
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.25	1062000	2327402	24.63	98.5	0.22	5012	True	1.42
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.25	952600	4623243	54.52	109.0	0.24	6055	True	1.09
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.26	942500	10150512	120.98	96.8	0.22	9101	True	1.20

Analyte Name: NFDHA
Regression Equation: y = 0.223 x (std. dev. = 0.004) (weighting: None)
Calibration Fit: RSD = 4.91 RSE = 4.91
Average RF:0.223 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

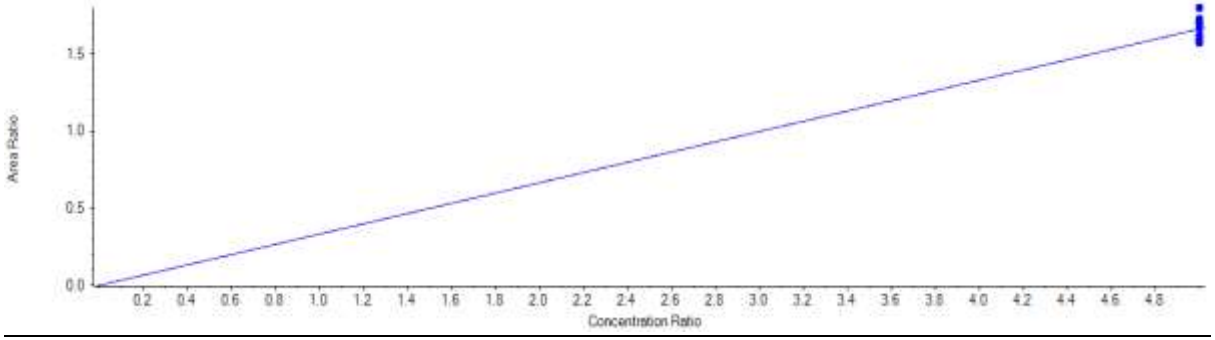
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	5.13	547400	984958	5.41	108.3	0.85	38881	True	1.42
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	5.12	547700	946281	5.20	103.9	0.82	20779	True	1.22
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	5.12	546900	866893	4.77	95.4	0.75	2402	True	1.32
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	5.13	586500	924127	4.74	94.8	0.75	178277	True	1.11
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	5.13	571000	972080	5.12	102.4	0.81	13709	True	0.99
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	5.13	551900	919882	5.01	100.3	0.79	5794	True	1.29
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	5.12	570800	967104	5.10	101.9	0.80	1842	True	1.18
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	5.13	550300	889831	4.86	97.3	0.77	10886	True	1.48
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	5.13	524700	835350	4.79	95.8	0.76	7630	True	1.57

Analyte Name: 13C2D4-4:2FTS
Regression Equation: y = 0.788 x (std. dev. = 0.015) (weighting: None)
Calibration Fit: RSD = 4.57 RSE = 0.00
Average RF:0.788 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

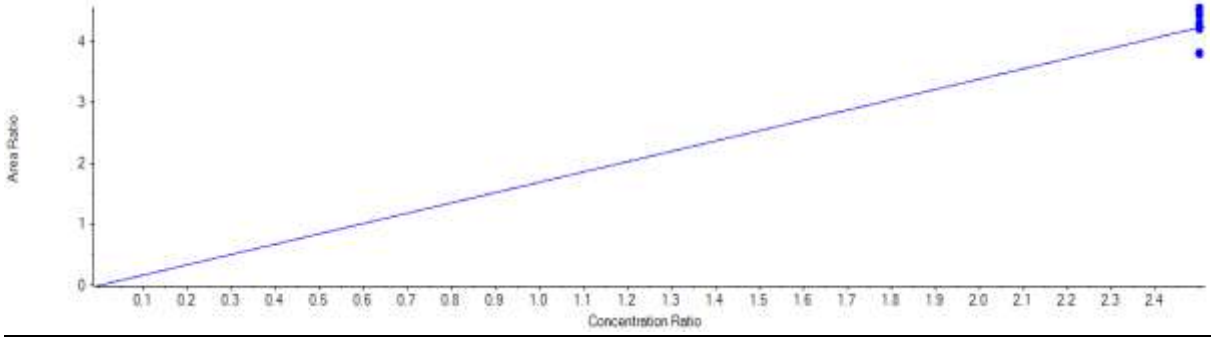
Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

Acquisition Method	EPA_1633.dam
Processing Method	EPA1633_NIS_CALC.qmethod
Calibration	240813_1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calc. Conc. (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI05_240813_71.wiff	IA1633STD-.1	8/13/2024 9:50:25 PM	7.50	753400	3409390	2.67	106.9	4.53	687912	True	1.21
SCI05_240813_72.wiff	IA1633STD-.2	8/13/2024 10:03:10 PM	7.49	761500	3366661	2.61	104.5	4.42	108677677	True	1.26
SCI05_240813_73.wiff	IA1633STD-.5	8/13/2024 10:15:52 PM	7.49	762900	3205026	2.48	99.3	4.20	11159	True	1.36
SCI05_240813_74.wiff	IA1633STD-1.25	8/13/2024 10:28:38 PM	7.50	783100	3340729	2.52	100.8	4.27	92469373	True	1.09
SCI05_240813_75.wiff	IA1633STD-2.5	8/13/2024 10:41:23 PM	7.50	764800	3484143	2.69	107.7	4.56	12952	True	1.22
SCI05_240813_76.wiff	IA1633STD-5	8/13/2024 10:54:05 PM	7.50	771600	3324516	2.55	101.8	4.31	6630373	True	1.11
SCI05_240813_77.wiff	IA1633STD-12.5	8/13/2024 11:06:47 PM	7.50	810200	3402324	2.48	99.2	4.20	7632	True	1.20
SCI05_240813_78.wiff	IA1633STD-25	8/13/2024 11:19:32 PM	7.50	834400	3163005	2.24	89.6	3.79	9612	True	1.21
SCI05_240813_79.wiff	IA1633STD-62.5	8/13/2024 11:32:17 PM	7.50	801800	3061091	2.26	90.2	3.82	5355	True	1.44

Analyte Name: 13C2-PFOA
Regression Equation: y = 4.232 x (std. dev. = 0.110) (weighting: None)
Calibration Fit: RSD = 6.48 RSE = 0.00
Average RF:4.232 Calibration Type: Mean Response Factor



Initial Calibration Report

SCIEX OS Version 3.3.0.12027

Alpha Analytical Inc.
Dataset: Default
Last Altered: 8/14/2024 9:34:22 AM
Generated: 8/14/2024 6:27:11 AM

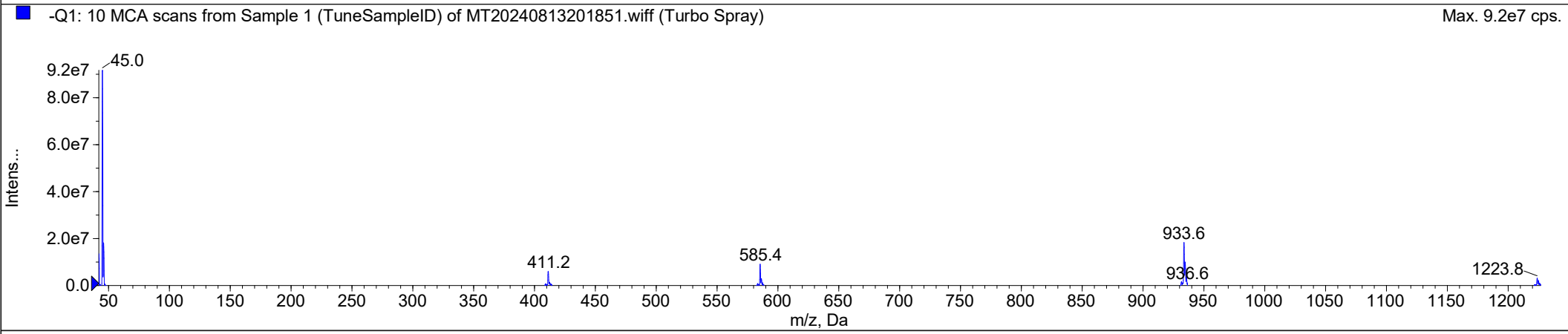
WG	1958909													
Date	8/13/2024													
EIS	**IA1633STD-.1**	**IA1633STD-.2**	**IA1633STD-.5**	**IA1633STD-1.25**	**IA1633STD-2.5**	**IA1633STD-5**	**IA1633STD-12.5**	**IA1633STD-25**	**IA1633STD-62.5**	**AVG RF**	**RSD Calc**		**AVG RF**	**RSD**
13C4-PFBA	1.257	1.193	1.161	1.126	1.199	1.103	1.102	1.050	1.094	1.143	5.7%		1.143	5.669
13C5-PFPeA	0.739	0.695	0.632	0.649	0.691	0.634	0.612	0.541	0.574	0.641	9.6%		0.641	9.634
13C5-PFHxA	0.885	0.898	0.809	0.845	0.867	0.793	0.846	0.766	0.872	0.842	5.3%		0.842	5.289
13C4-PFHpA	0.934	0.882	0.806	0.817	0.895	0.805	0.819	0.762	0.871	0.843	6.5%		0.843	6.476
13C8-PFOA	2.164	2.046	1.908	2.010	2.112	1.897	1.824	1.596	1.639	1.911	10.4%		1.911	10.36
13C9-PFNA	1.093	1.104	1.023	1.041	1.048	1.041	0.998	0.934	0.955	1.026	5.5%		1.026	5.537
13C6-PFDA	1.203	1.114	1.090	1.076	1.082	1.050	1.006	0.982	0.977	1.064	6.7%		1.064	6.718
13C7-PFUnA	1.065	0.899	0.856	0.853	0.888	0.879	0.802	0.759	0.751	0.861	10.9%		0.861	10.876
13C2-PFDoA	0.584	0.541	0.540	0.522	0.544	0.539	0.545	0.572	0.652	0.560	7.0%		0.560	7.008
13C2-PFTeDA	0.610	0.616	0.585	0.582	0.595	0.577	0.604	0.595	0.705	0.608	6.4%		0.608	6.387
13C3-PFBS	1.591	1.509	1.512	1.407	1.520	1.493	1.392	1.430	1.356	1.468	5.1%		1.468	5.147
13C3-PFHxS	1.289	1.244	1.170	1.128	1.206	1.105	1.140	1.086	1.126	1.166	5.8%		1.166	5.81
13C8-PFOS	1.534	1.440	1.407	1.304	1.472	1.284	1.264	1.189	1.289	1.354	8.4%		1.354	8.401
13C2-4:2FTS	0.292	0.270	0.262	0.253	0.262	0.256	0.240	0.249	0.275	0.262	5.9%		0.262	5.833
13C2-6:2FTS	0.217	0.195	0.193	0.177	0.190	0.187	0.182	0.182	0.208	0.192	6.7%		0.192	6.74
13C2-8:2FTS	0.321	0.316	0.284	0.273	0.295	0.277	0.258	0.244	0.262	0.281	9.2%		0.281	9.193
13C8-PFOSA	2.117	1.924	1.975	1.833	1.906	1.729	1.641	1.505	1.567	1.800	11.3%		1.800	11.303
d3-NMeFOSA	0.350	0.297	0.317	0.298	0.315	0.282	0.278	0.273	0.313	0.303	8.0%		0.303	8.024
d5-NEtFOSA	0.336	0.319	0.305	0.289	0.303	0.279	0.273	0.261	0.299	0.296	7.9%		0.296	7.902
d3-NMeFOSAA	0.876	0.790	0.646	0.769	0.660	0.639	0.630	0.624	0.535	0.685	15.3%		0.685	15.311
d5-NEtFOSAA	0.403	0.366	0.376	0.355	0.381	0.355	0.335	0.330	0.342	0.360	6.6%		0.360	6.559
d7-NMeFOSE	0.250	0.225	0.232	0.225	0.243	0.222	0.231	0.221	0.253	0.234	5.2%		0.234	5.211
d9-NEtFOSE	0.393	0.355	0.358	0.344	0.351	0.331	0.326	0.310	0.335	0.345	6.9%		0.345	6.906
13C3-HFPO-DA	0.612	0.572	0.519	0.552	0.615	0.543	0.542	0.504	0.568	0.559	6.8%		0.558	6.78
NIS	**IA1633STD-.1**	**IA1633STD-.2**	**IA1633STD-.5**	**IA1633STD-1.25**	**IA1633STD-2.5**	**IA1633STD-5**	**IA1633STD-12.5**	**IA1633STD-25**	**IA1633STD-62.5**	**AVG RF**	**RSD Calc**		**AVG RF**	**RSD**
13C3-PFBA	1.008	1.016	1.015	1.073	1.046	1.039	0.999	0.958	0.846	1.000	6.6%		1	6.628
13C2-PFHxA	0.963	0.984	1.044	1.053	1.006	1.026	1.025	1.017	0.883	1.000	5.2%		1	5.208
13C4-PFOA	0.963	0.973	0.975	1.001	0.977	0.986	1.035	1.066	1.024	1.000	3.5%		1	3.481
13C5-PFNA	1.003	1.003	1.011	1.046	1.002	1.001	1.045	0.972	0.916	1.000	3.9%		1	3.904
13C2-PFDA	0.981	1.044	1.016	1.053	1.046	1.035	1.018	0.955	0.852	1.000	6.4%		1	6.402
18O2-PFHxS	0.986	0.986	0.985	1.056	1.028	0.994	1.028	0.991	0.945	1.000	3.3%		1	3.262
13C4-PFOS	0.947	0.996	0.955	1.037	1.008	1.031	1.045	1.035	0.946	1.000	4.1%		1	4.112

State Parameter Editor

```
Ion Source:                 Turbo Spray
Ion Source Temperature Reached
Curtain Gas (CUR):          20.0
IonSpray Voltage (IS):      -4500.0
Temperature (TEM):          0.0
Ion Source Gas 1 (GS1):     10.0
Ion Source Gas 2 (GS2):     0.0

Entrance Potential (EP):            -10.0

Q1 Resolution:              Unit
Ion Energy 1 (IE1):         -1.5

CEM (CEM):                  2450.0
```

Mass Spectrometer Method Properties

```
Period 1:
---------------
Scans in Period:            10
Relative Start Time:        0.00 msec
Scheduled Ionization:       Off
Experiments in Period:      1

Period 1  Experiment  1:
----------------------------
Scan Type:                  Q1 MS (Q1)
Polarity:                   Negative
Scan Mode:                  Profile
Ion Source:                 Turbo Spray
```



Peak List for " -Q1: 10 MCA scans from Sample 1 (TuneSampleID) of MT20240813201851.wiff (Turbo Spray)"

	Target Mass (Da)	Found At (Da)	Intensity (cps)	Width (Da)	Mass Shift (Da)
1	44.9980	45.0023	9.1729e7	0.6724	-4.3048e-3
2	411.2590	411.2691	5.9850e6	0.7191	-0.0101
3	585.3850	585.3820	9.1098e6	0.6497	2.9902e-3
4	933.6360	933.6465	1.8330e7	0.7431	-0.0105
5	1223.8450	1223.8607	3.1224e6	0.6944	-0.0157
6	1572.0970	n/a	n/a	n/a	n/a
7	1863.3060	n/a	n/a	n/a	n/a
8	1979.3890	n/a	n/a	n/a	n/a

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-.1
Name: SCI05_240813_71.wiff
Date & Time: 2024-08-13T21:50:25
Description: WG1958909,,,80ul IA1633STD-1.25
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.90	213.0 / 169.0	76984		0.350	N/A	N/A	N/A	87.6
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	58992		0.184	0.008	0.007	N/A	91.8
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	500		0.220	0.008	0.007	N/A	110.1
4	PFHxA	307-24-4	5.34	313.0 / 269.0	53455		0.105	0.075	0.072	Pass	105.2
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	3983	M7	0.106	0.075	0.072	Pass	106.1
6	PFHpA	375-85-9	6.25	363.1 / 319.0	47414		0.092	0.312	0.297	Pass	92.0
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	14815		0.094	0.312	0.297	Pass	93.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	36354	M5	0.107	0.473	0.586	Pass	107.1
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	17203	M7	0.093	0.473	0.586	Pass	92.5
10	PFNA	375-95-1	7.95	462.8 / 418.9	37224	M5	0.085	0.317	0.313	Pass	84.7
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	11794	M7	0.088	0.317	0.313	Pass	87.8
12	PFDA	335-76-2	8.18	513.1 / 469.1	52636		0.101	0.130	0.142	Pass	101.0
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	6836		0.088	0.130	0.142	Pass	87.5
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	35228		0.083	0.232	0.194	Pass	83.3
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	8165		0.100	0.232	0.194	Pass	99.6
16	PFDoA	307-55-1	8.91	613.1 / 569.1	35360		0.093	0.160	0.167	Pass	92.7
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	5641		0.087	0.160	0.167	Pass	87.5
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	19413		0.085	0.243	0.228	Pass	85.4
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	4713		0.093	0.243	0.228	Pass	93.0
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	39916		0.104	0.122	0.137	Pass	103.9
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	4867		0.093	0.122	0.137	Pass	92.6
22	PFBS	375-73-5	5.32	299.1 / 80.1	29114		0.081	0.429	0.396	Pass	91.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	12490		0.087	0.429	0.396	Pass	98.3
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	24008		0.080	0.315	0.299	Pass	84.8
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	7551		0.083	0.315	0.299	Pass	88.4
26	PFHxS	355-46-4	7.62	399.1 / 80.1	25007	M5	0.089	0.299	0.315	Pass	97.1
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	7473	M7	0.085	0.299	0.315	Pass	93.5
28	PFHpS	375-92-8	8.02	449.1 / 80.1	22616		0.080	0.353	0.287	Pass	84.0
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	7986		0.096	0.353	0.287	Pass	101.2
30	PFOS	1763-23-1	8.28	499.1 / 80.1	25837	M5	0.086	0.229	0.238	Pass	92.6
31	PFOS_2	1763-23-1	8.28	499.1 / 99.1	5919		0.080	0.229	0.238	Pass	86.6
32	PFNS	68259-12-1	8.63	549.1 / 80.1	15906		0.082	0.373	0.301	Pass	85.6
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	5934		0.101	0.373	0.301	Pass	105.5
34	PFDS	335-77-3	9.15	599.1 / 80.1	16034		0.084	0.272	0.275	Pass	87.4
35	PFDS_2	335-77-3	9.15	599.1 / 99.1	4357		0.083	0.272	0.275	Pass	86.1
36	PFDoS	79780-39-5	10.01	699.2 / 80.1	14889		0.085	0.229	0.274	Pass	88.1
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	3413		0.071	0.229	0.274	Pass	73.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	63237		0.479	0.520	0.516	Pass	127.7
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	32903		0.466	0.520	0.516	Pass	124.2
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	29652		0.360	0.467	0.565	Pass	94.8
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	13840		0.311	0.467	0.565	Pass	81.8
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	32302		0.344	0.762	0.662	Pass	89.6
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	24601		0.386	0.762	0.662	Pass	100.6
44	PFOSA	754-91-6	9.55	498.1 / 78.1	25409	M5	0.090	0.028	0.025	Pass	90.1
45	PFOSA_2	754-91-6	9.53	498.1 / 478.0	701	M7	0.095	0.028	0.025	Pass	94.7
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	5812	M5	0.078	1.876	1.551	Pass	77.7
47	NMeFOSA_2	31506-32-8	10.12	512.2 / 169.0	10902	M7	0.094	1.876	1.551	Pass	94.1
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	6309	M5	0.086	1.687	1.285	Pass	85.7
49	NEtFOSA_2	4151-50-2	10.33	526.2 / 169.0	10641	M7	0.108	1.687	1.285	Pass	108.0
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	10089	M4	0.088	0.468	0.700	Pass	87.8
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	4721		0.065	0.468	0.700	Pass	64.6
52	NEtFOSAA	2991-50-6	8.36	584.2 / 419.1	6220	M5	0.083	0.529	0.487	Pass	83.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	3290	M7	0.095	0.529	0.487	Pass	95.5
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	109398	M5	0.889	N/A	N/A	N/A	88.9
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	200381	M5	0.871	N/A	N/A	N/A	87.1
56	HFPO-DA	13252-13-6	5.61	285.0 / 169.0	92315		0.349	0.519	0.464	Pass	87.2
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	47872		0.389	0.519	0.464	Pass	97.3
58	ADONA	919005-14-4	6.72	377.1 / 251.0	201429		0.335	0.718	0.634	Pass	88.6
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	144579		0.371	0.718	0.634	Pass	98.2
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	195597		0.330	0.323	0.322	Pass	88.2
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	63224		0.327	0.323	0.322	Pass	87.5
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	136607		0.365	0.324	0.331	Pass	96.4
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	44210	M7	0.351	0.324	0.331	Pass	92.7
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	11661		0.418	1.061	1.074	Pass	83.7
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	12367		0.443	1.061	1.074	Pass	88.6
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	225324		2.444	0.929	0.953	Pass	97.8
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	209354		2.400	0.929	0.953	Pass	96.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	272814		2.658	1.500	1.558	Pass	106.3
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	409174		2.747	1.500	1.558	Pass	109.9
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	150155		0.170	0.091	0.087	Pass	95.7
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	13656		0.179	0.091	0.087	Pass	100.7
72	PFMPA	377-73-1	3.85	229.0 / 85.0	7169		0.184	N/A	N/A	N/A	92.2
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	93621		0.179	N/A	N/A	N/A	89.3
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	19368		0.209	0.861	0.910	Pass	104.3
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	16677		0.196	0.861	0.910	Pass	98.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	984958		5.412	N/A	N/A	N/A	108.3
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3409390		2.673	N/A	N/A	N/A	106.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2708656		10.998	NA	NA	NA	110.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1742118		5.766	NA	NA	NA	115.3
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1042718		2.627	NA	NA	NA	105.1
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1100341		2.769	NA	NA	NA	110.8
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1630422		2.831	NA	NA	NA	113.2
	13C9-PFNA	EIS	7.94	472.0 / 427.0	750799		1.332	NA	NA	NA	106.5
	13C6-PFDA	EIS	8.17	519.0 / 474.0	755939		1.414	NA	NA	NA	113.1
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	669288		1.547	NA	NA	NA	123.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	366858		1.303	NA	NA	NA	104.3
	13C2-PFTeDA	EIS	9.91	715.1 / 670.1	383275		1.254	NA	NA	NA	100.3
	13C3-PFBS	EIS	5.31	302.1 / 80.1	856295		2.525	NA	NA	NA	108.4
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	705640		2.620	NA	NA	NA	110.6
	13C8-PFOS	EIS	8.27	507.1 / 80.1	732197		2.713	NA	NA	NA	113.3
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	316009		5.222	NA	NA	NA	111.3
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	238701		5.383	NA	NA	NA	113.2
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	355718		5.481	NA	NA	NA	114.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	1055140		2.941	NA	NA	NA	117.6
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	174652		2.892	NA	NA	NA	115.7
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	167531		2.840	NA	NA	NA	113.6
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	873152		6.395	NA	NA	NA	127.9
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	401545		5.596	NA	NA	NA	111.9
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1246722		26.730	NA	NA	NA	106.9
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1960553		28.510	NA	NA	NA	114.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2886138		10.973	NA	NA	NA	109.7
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1077413		5.039	NA	NA	NA	100.8
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1178397		2.407	NA	NA	NA	96.3
	13C4-PFOA	NIS	7.49	417.0 / 372.0	753439		2.407	NA	NA	NA	96.3
	13C5-PFNA	NIS	7.94	468.0 / 423.0	686816		1.254	NA	NA	NA	100.3
	13C2-PFDA	NIS	8.17	515.1 / 470.1	628251		1.226	NA	NA	NA	98.1
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	547400		2.337	NA	NA	NA	98.6
	13C4-PFOS	NIS	8.27	503.1 / 80.1	477378		2.267	NA	NA	NA	94.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 8/14/2024 9:35:14 AM
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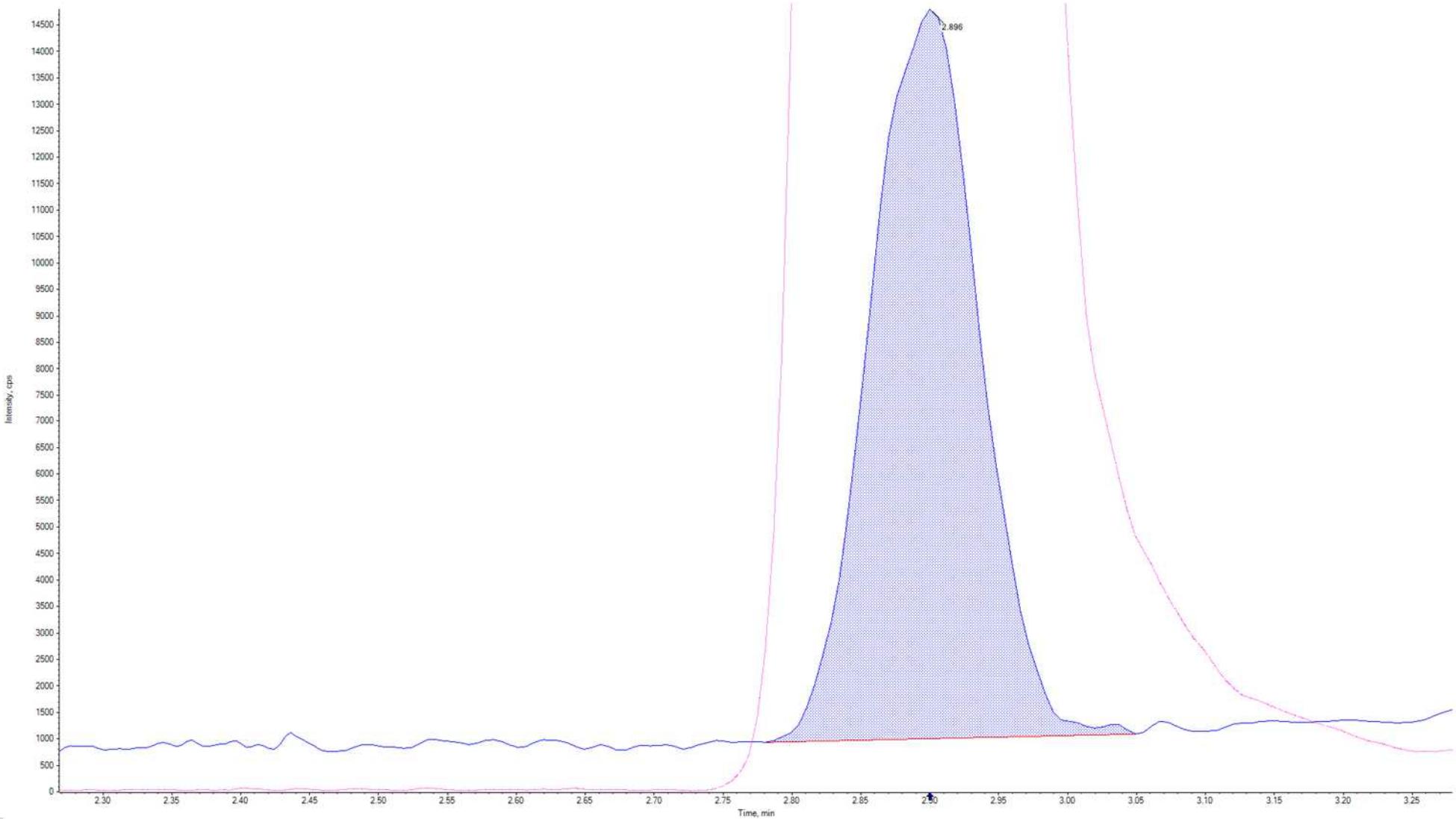
PFBA
Sample: IA1633STD-.1 S/N:322.6 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
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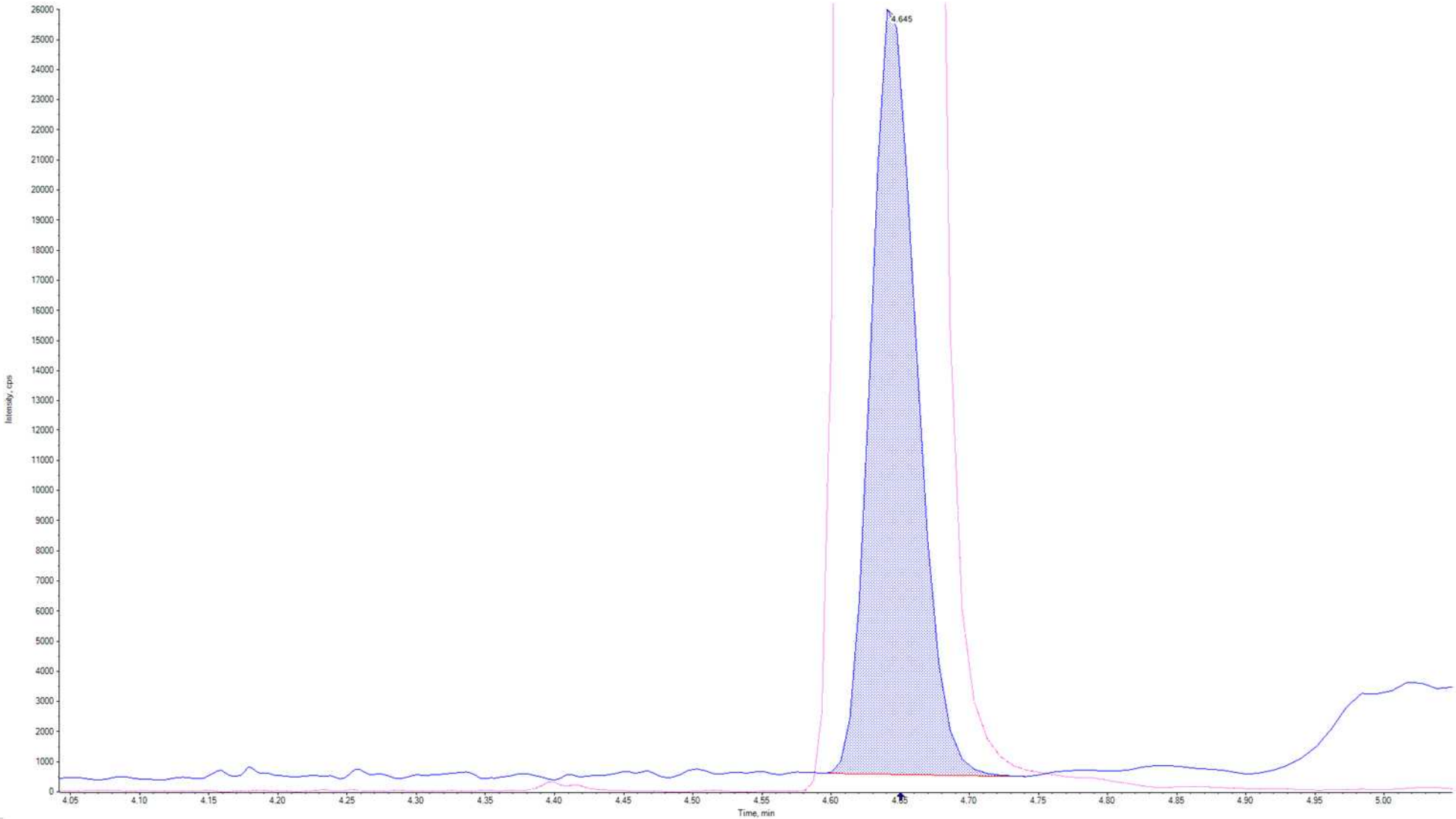
PFPeA
Sample: IA1633STD-.1 S/N:359.3 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:35:14 AM
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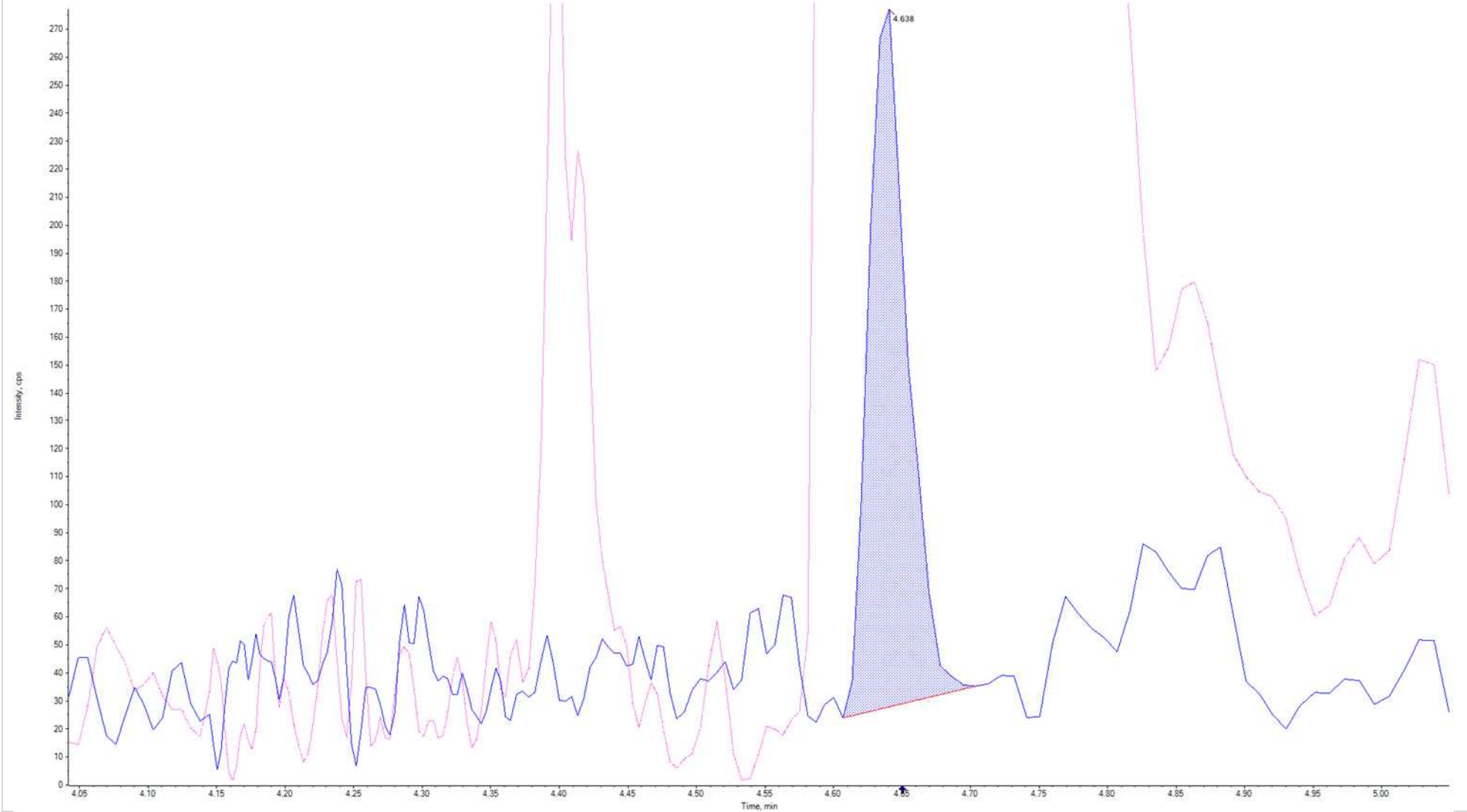
PFPeA_2
Sample: IA1633STD-.1 S/N:78.4 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
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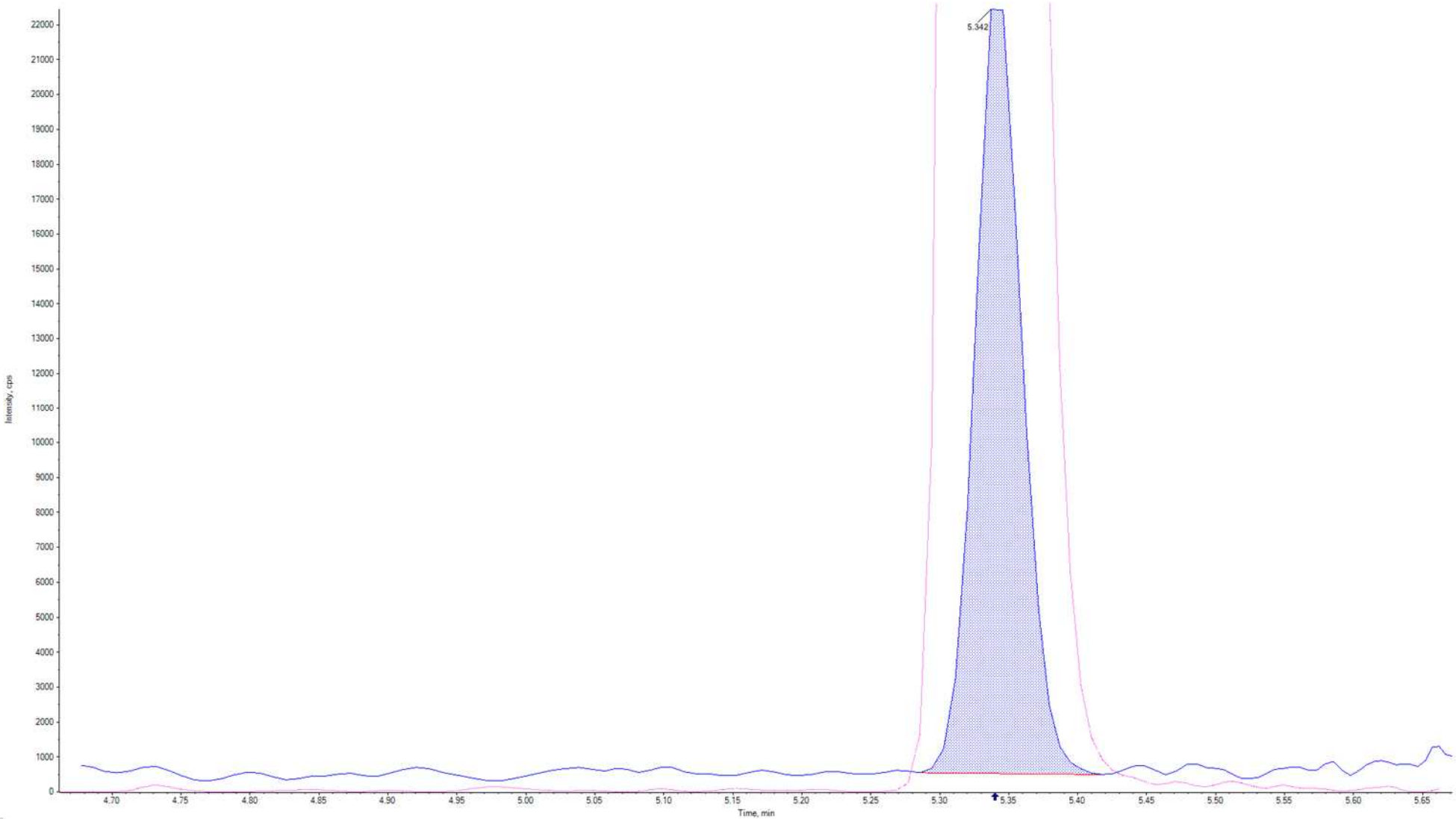
PFHxA
Sample: IA1633STD-.1 S/N:266.4 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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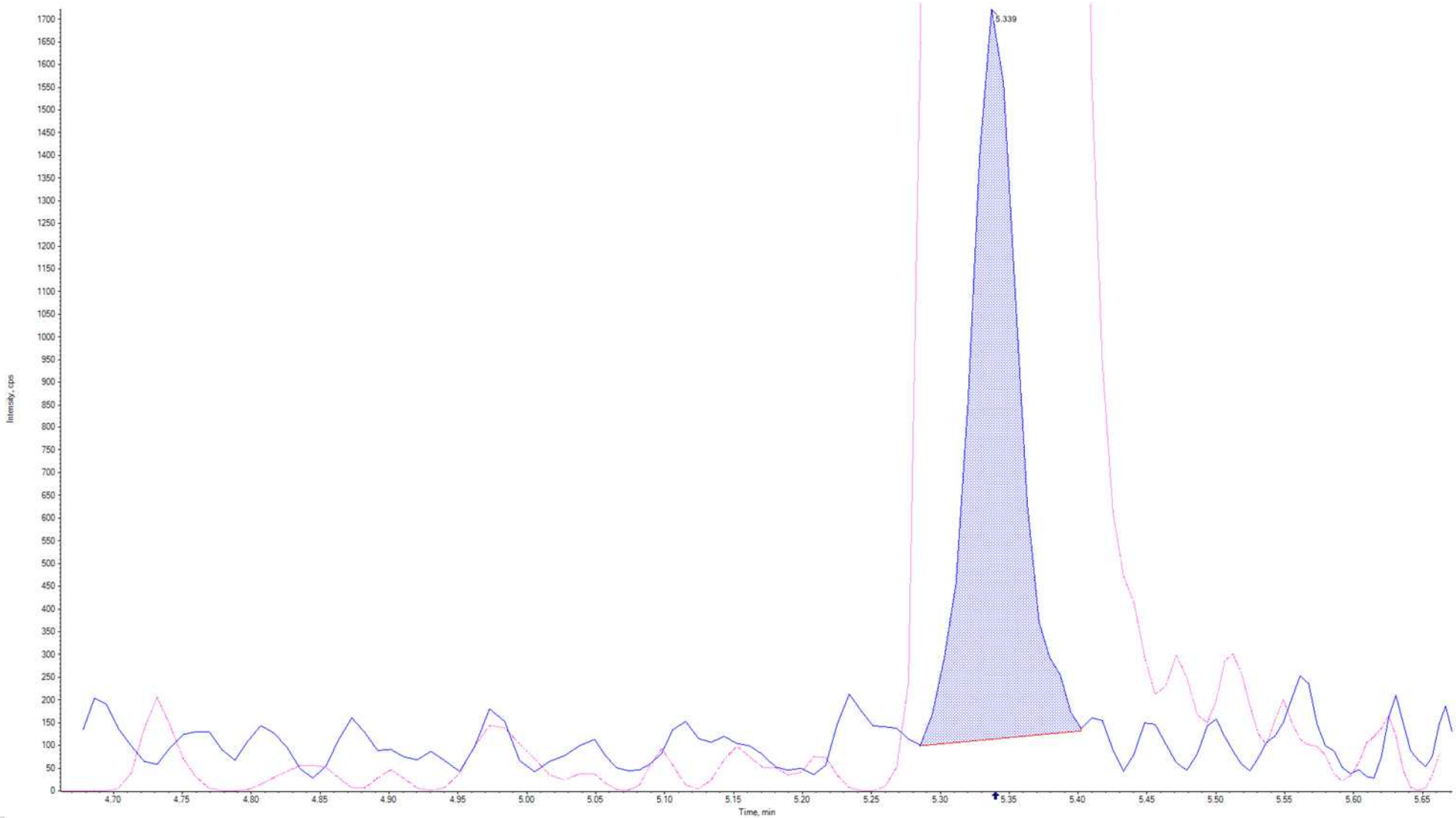
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-.1 S/N:94.6 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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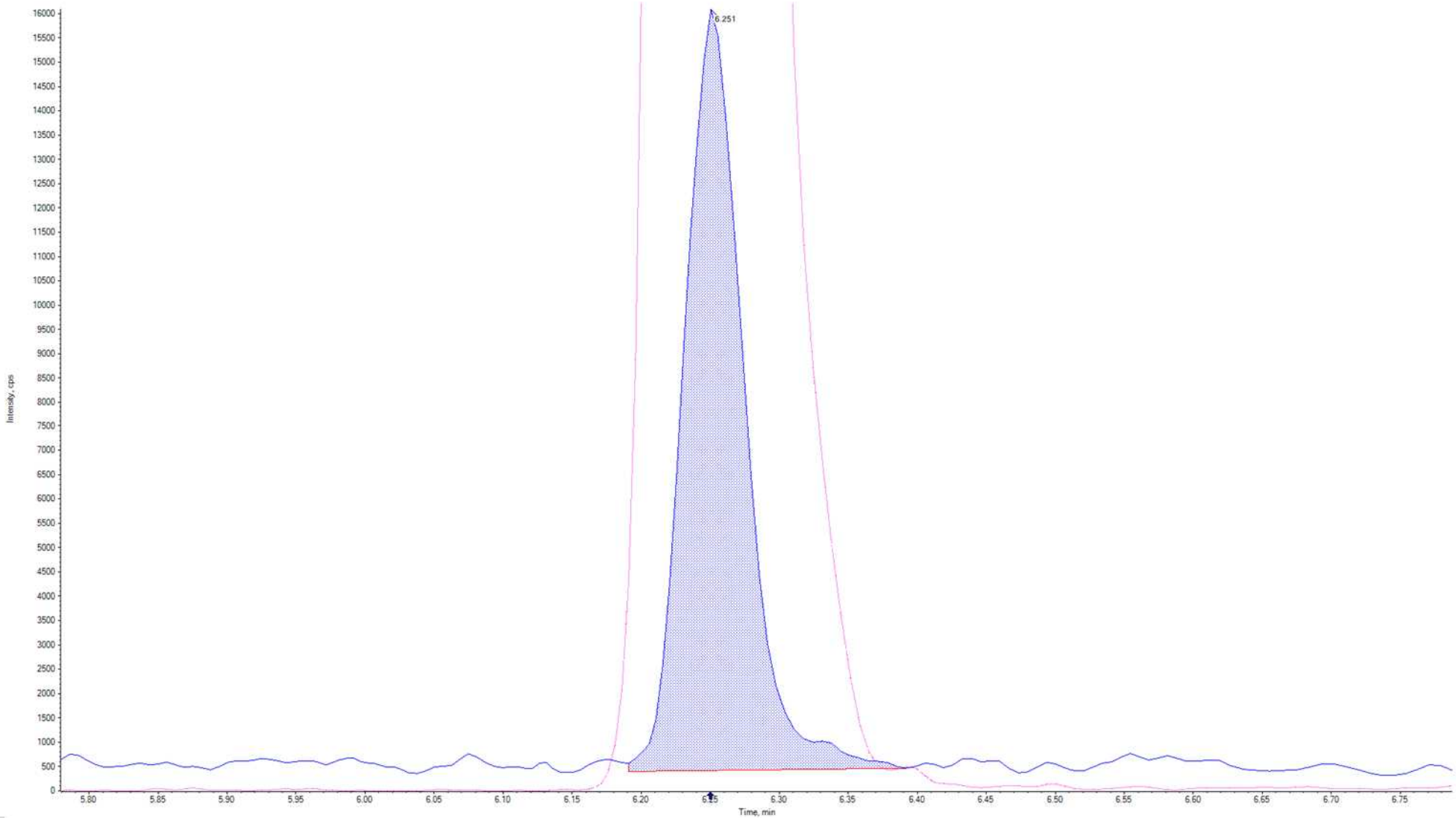
PFHpA
Sample: IA1633STD-.1 S/N:331.9 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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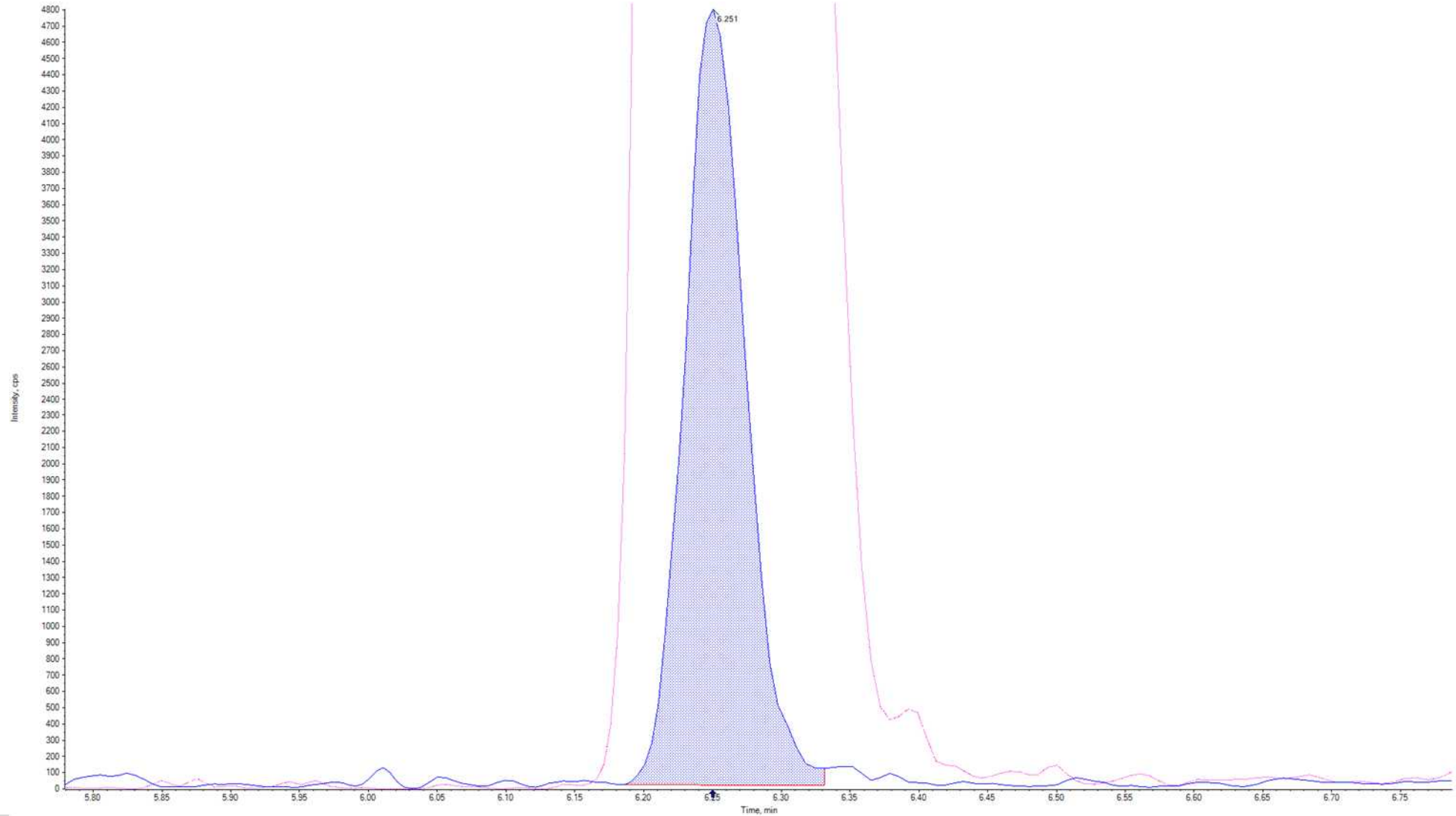
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-.1 S/N:758.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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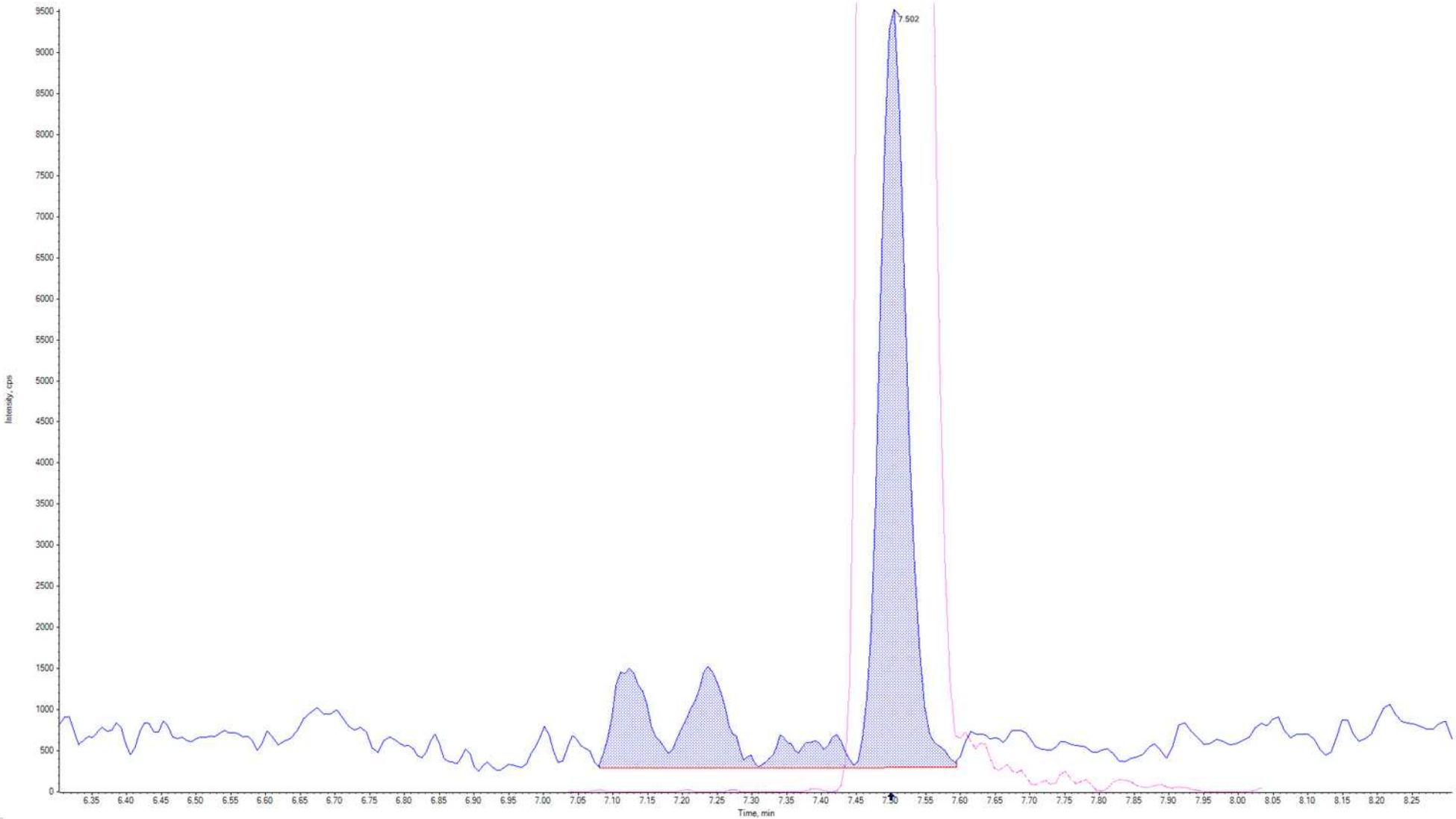
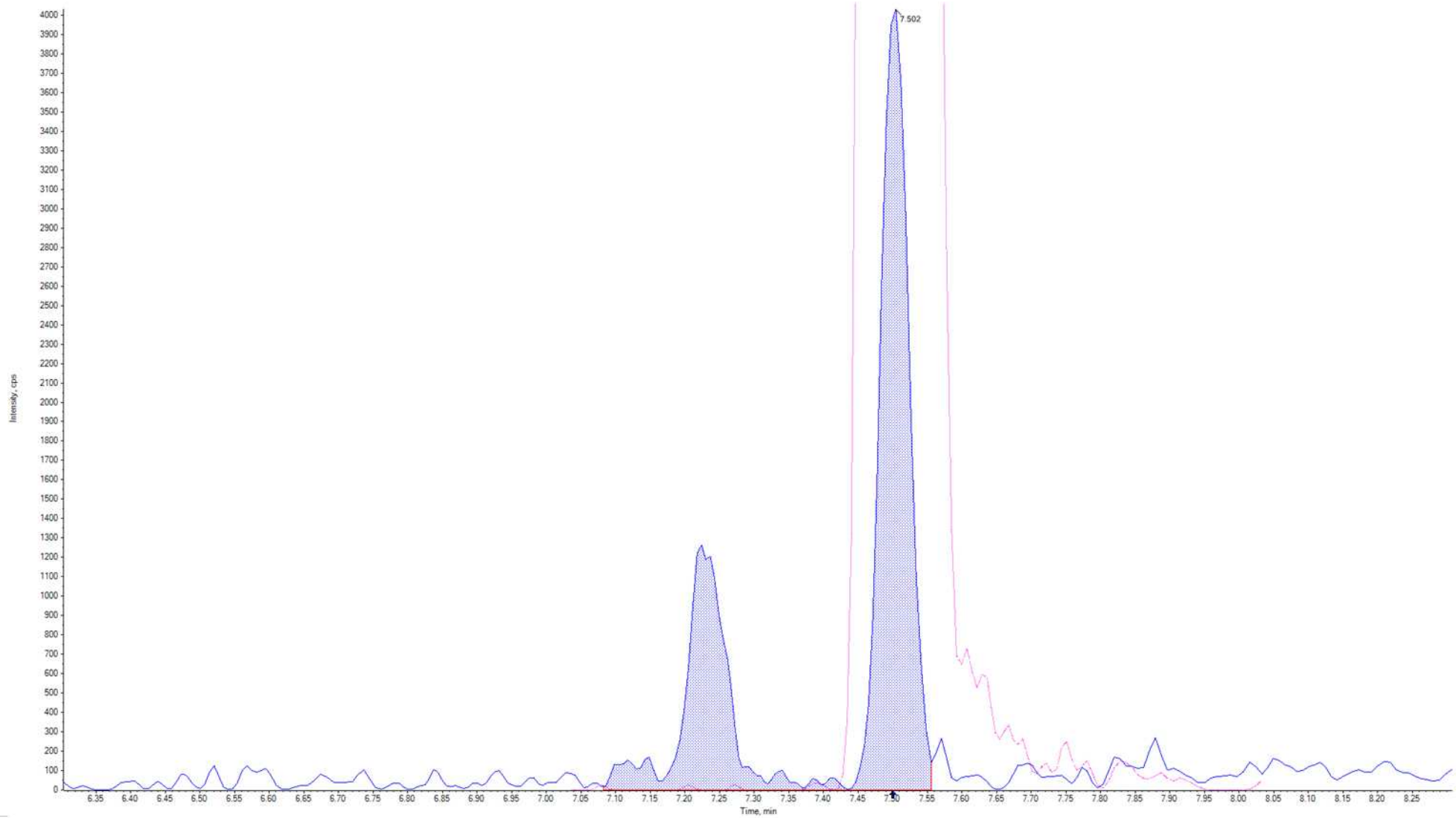
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-.1 S/N:197.7 Points Across peak:85



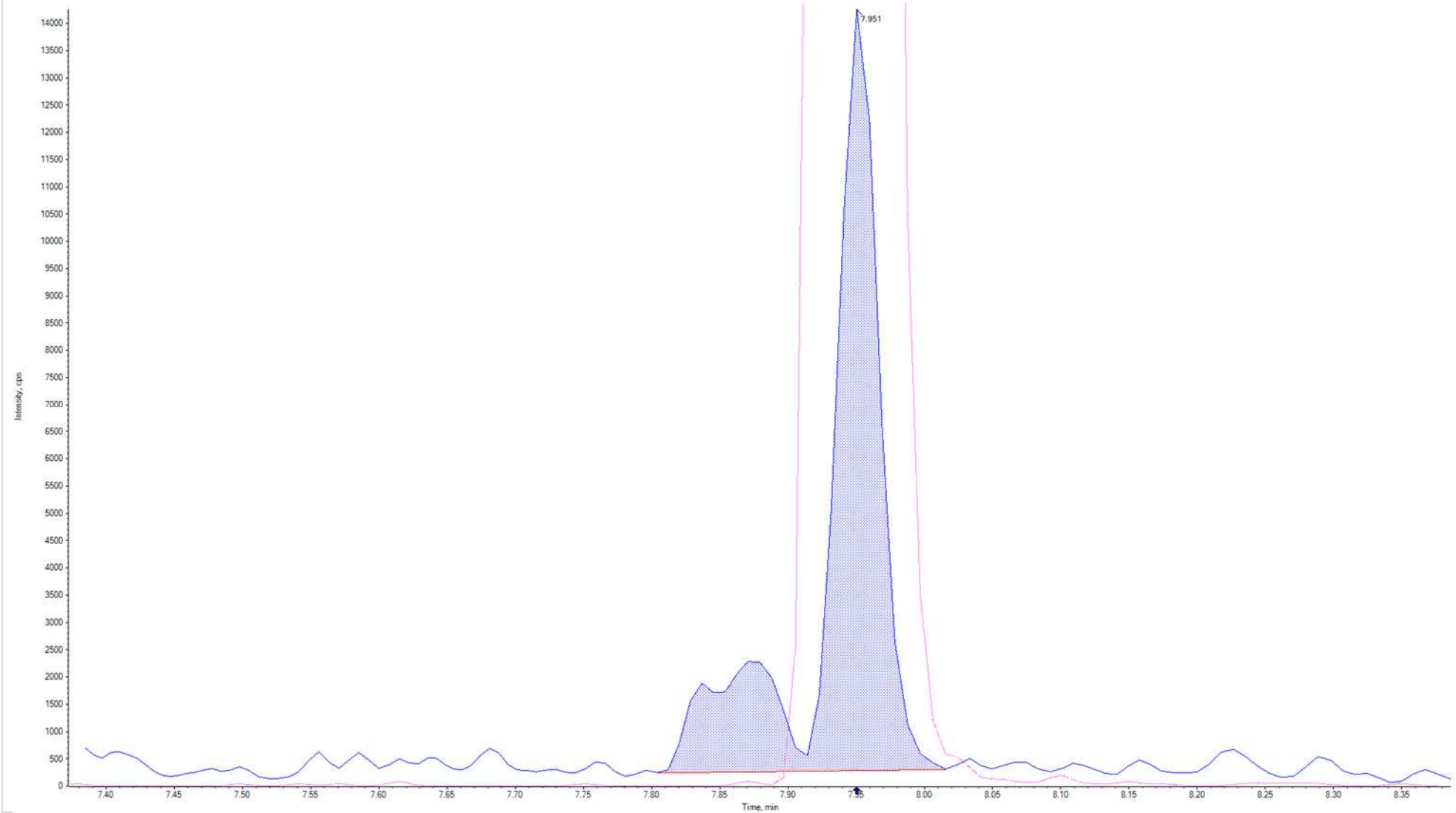
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-.1 S/N:2880.0 Points Across peak:79



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-.1 S/N:284.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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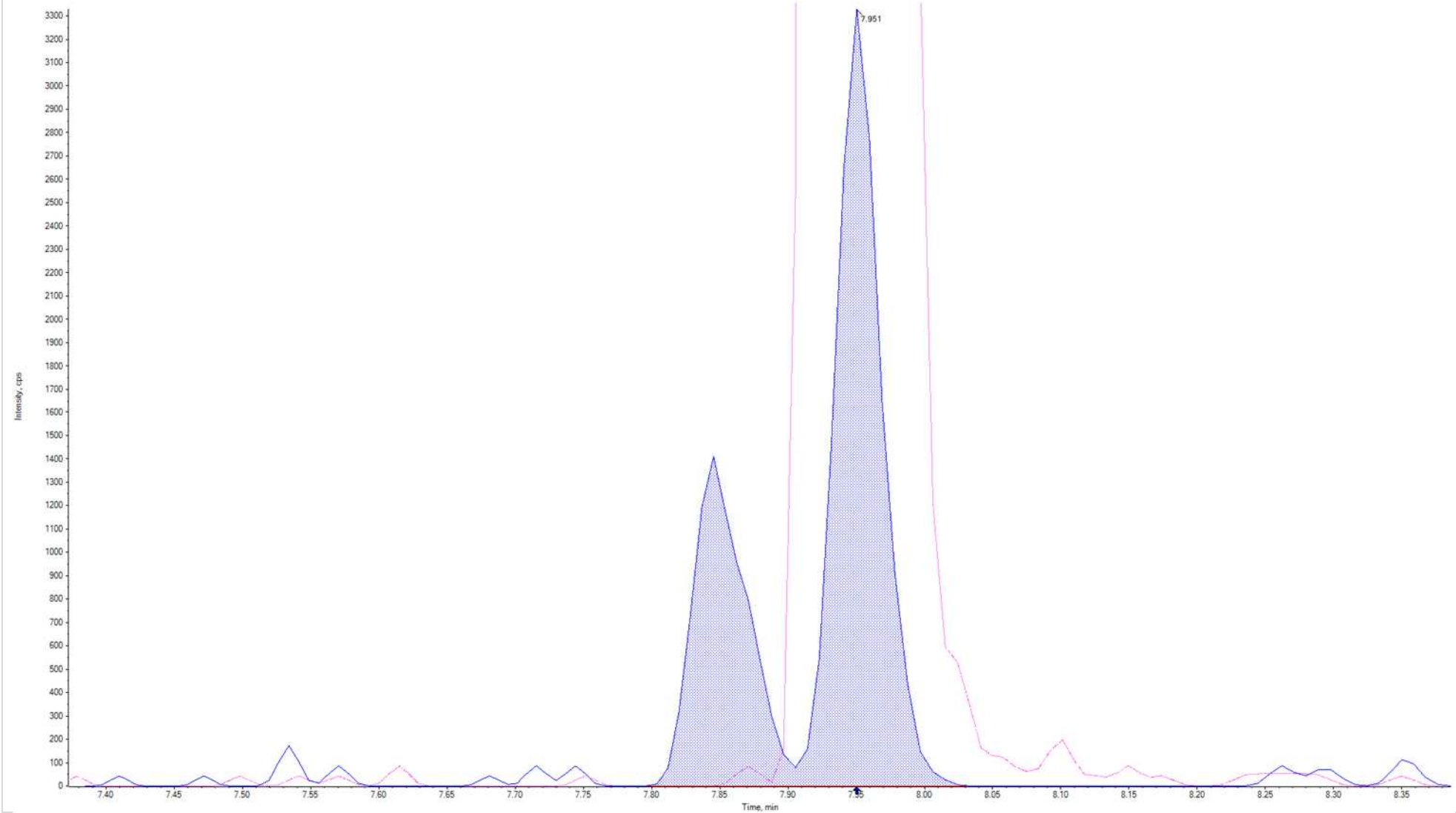
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-.1 S/N:235.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
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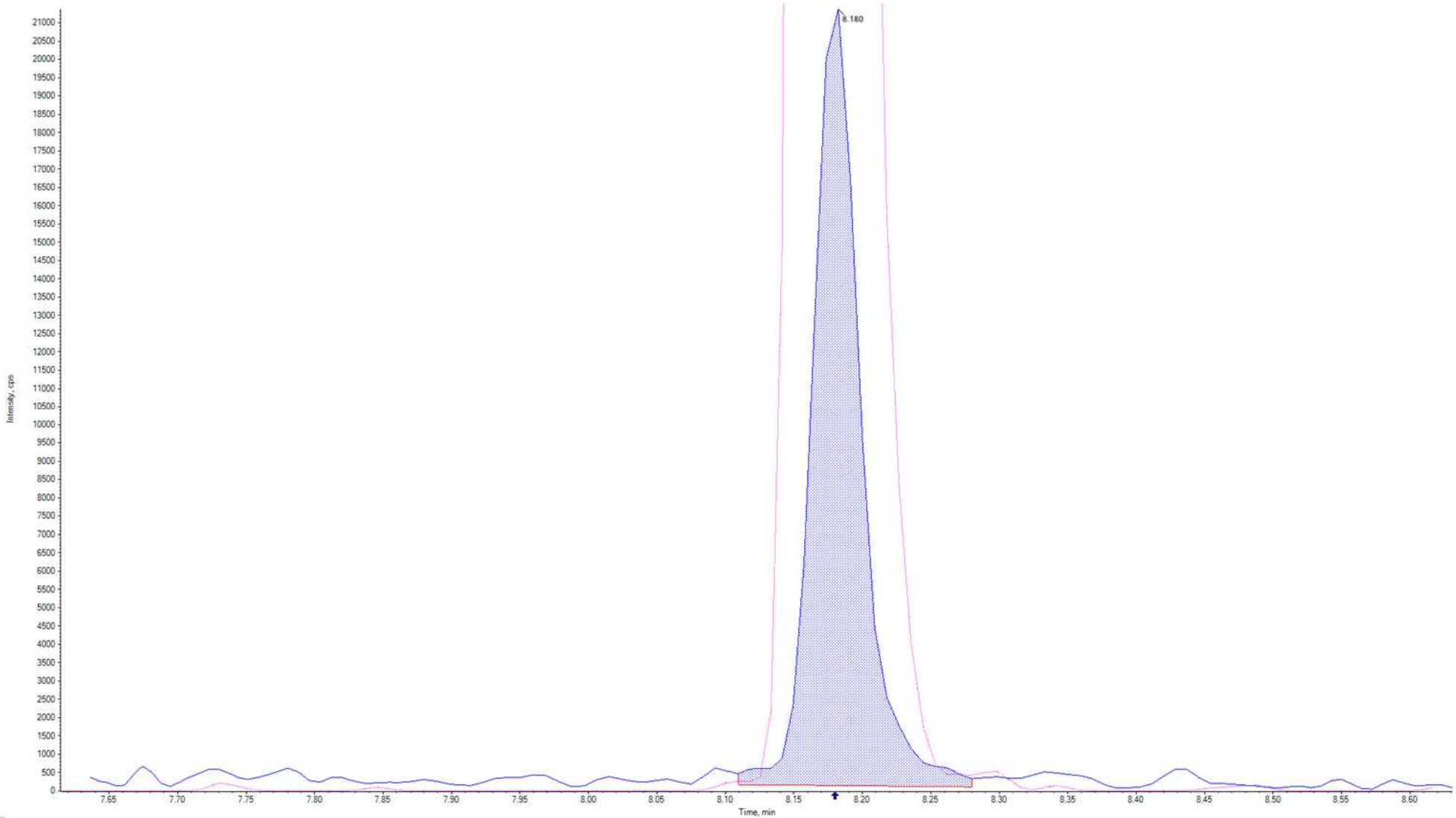
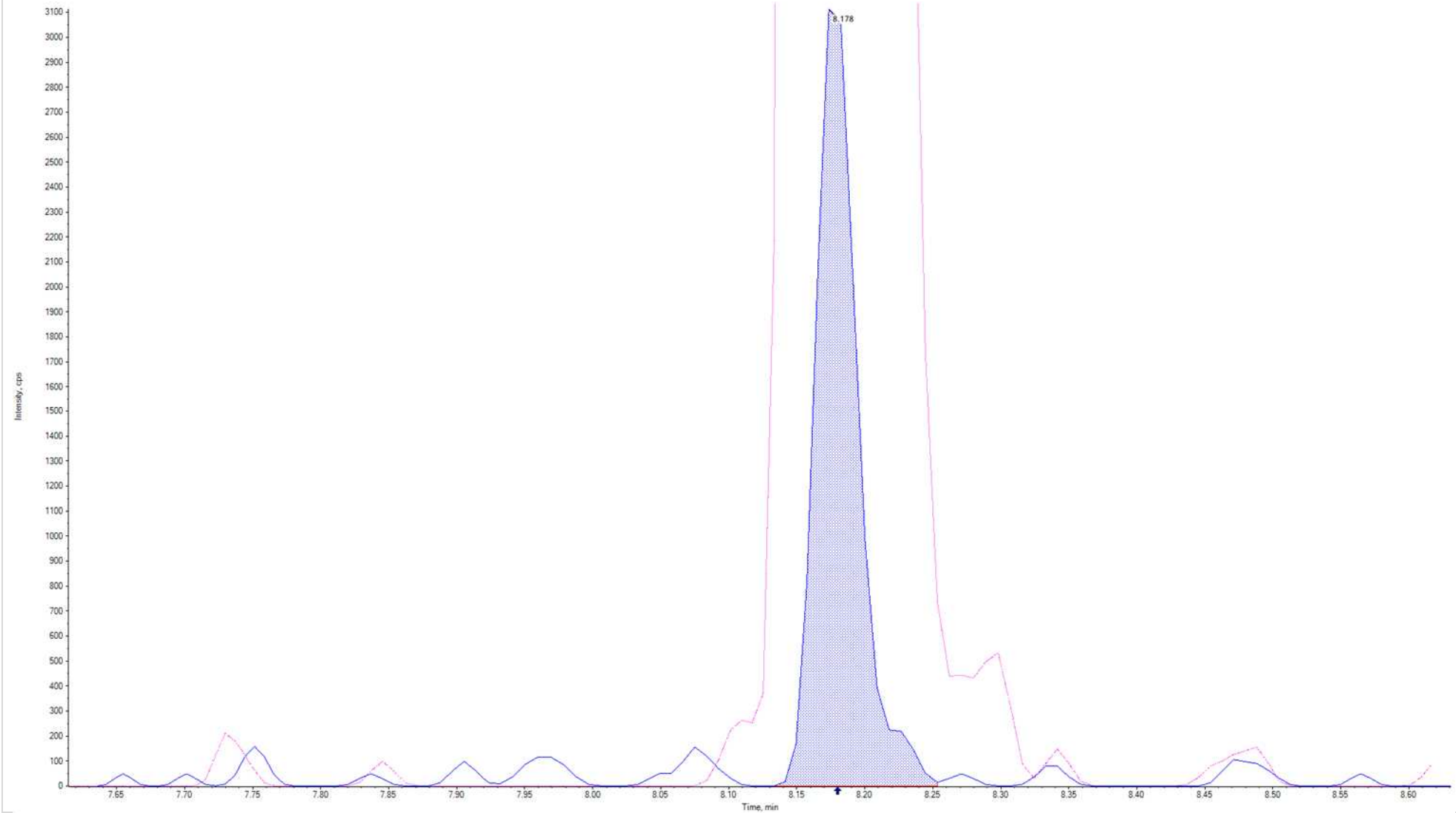
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-.1 S/N:434.1 Points Across peak:21



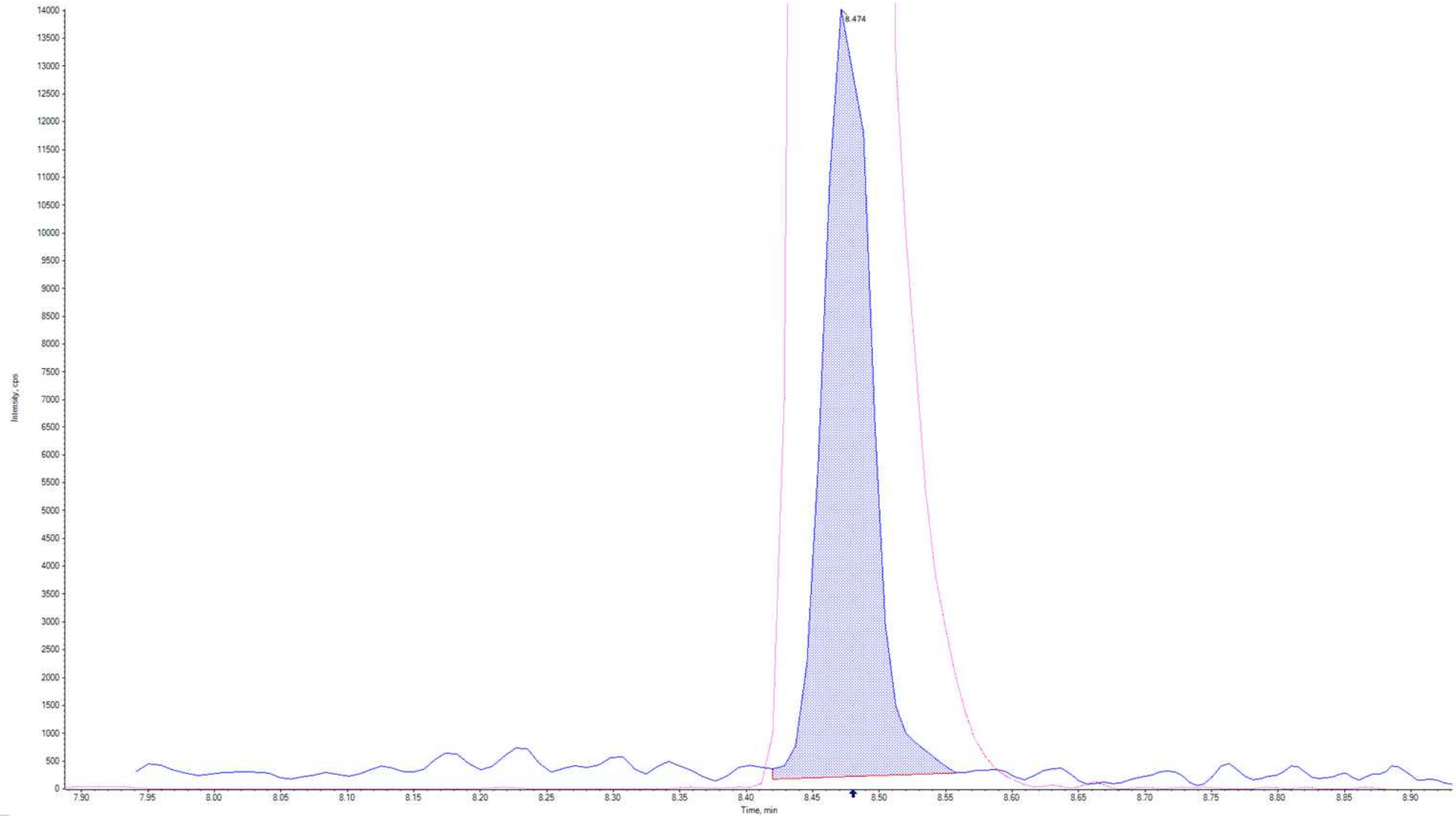
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-.1 S/N:208.0 Points Across peak:16



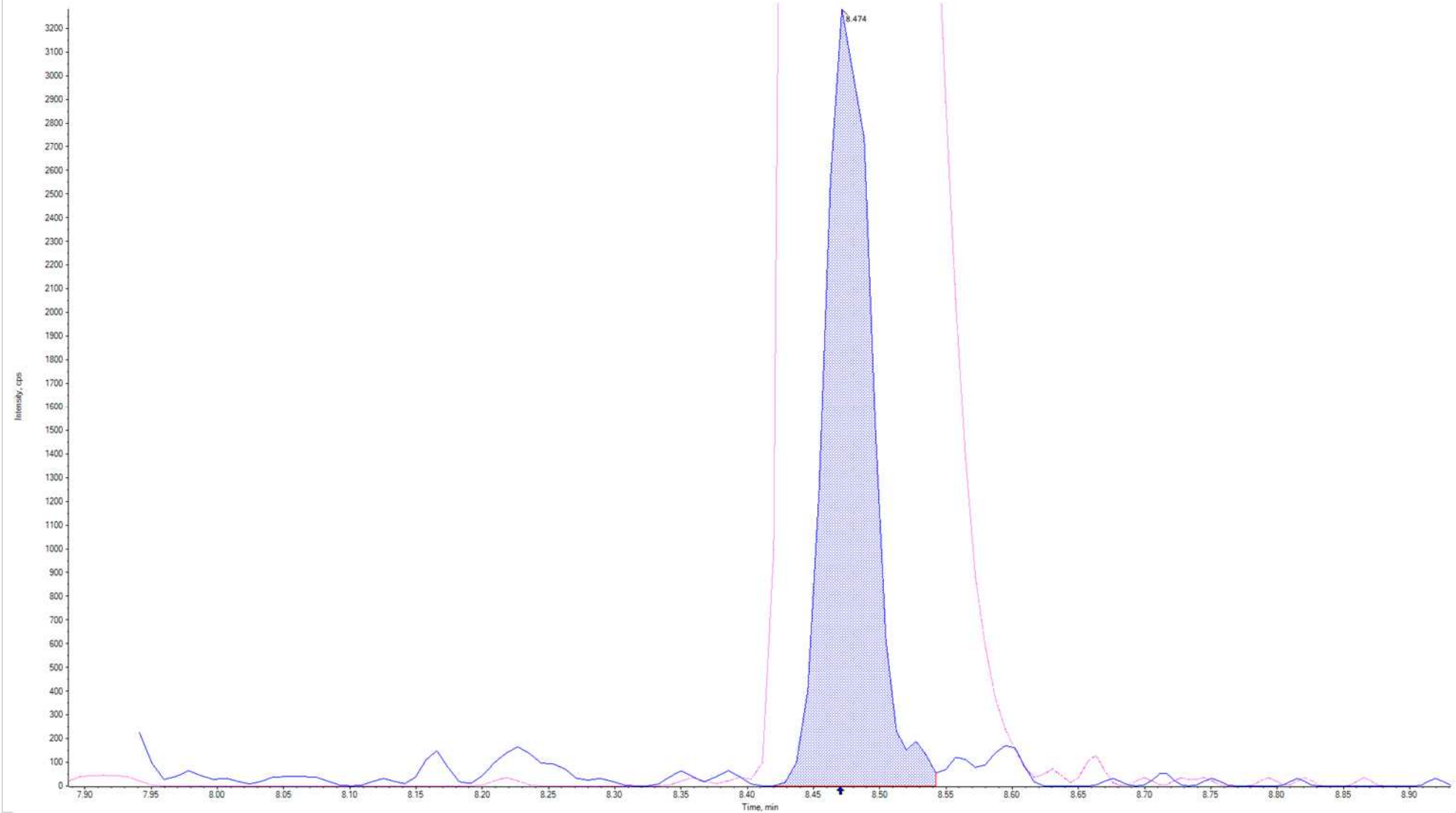
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-.1 S/N:372.2 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFUnA_2
Sample: IA1633STD-.1 S/N:243.5 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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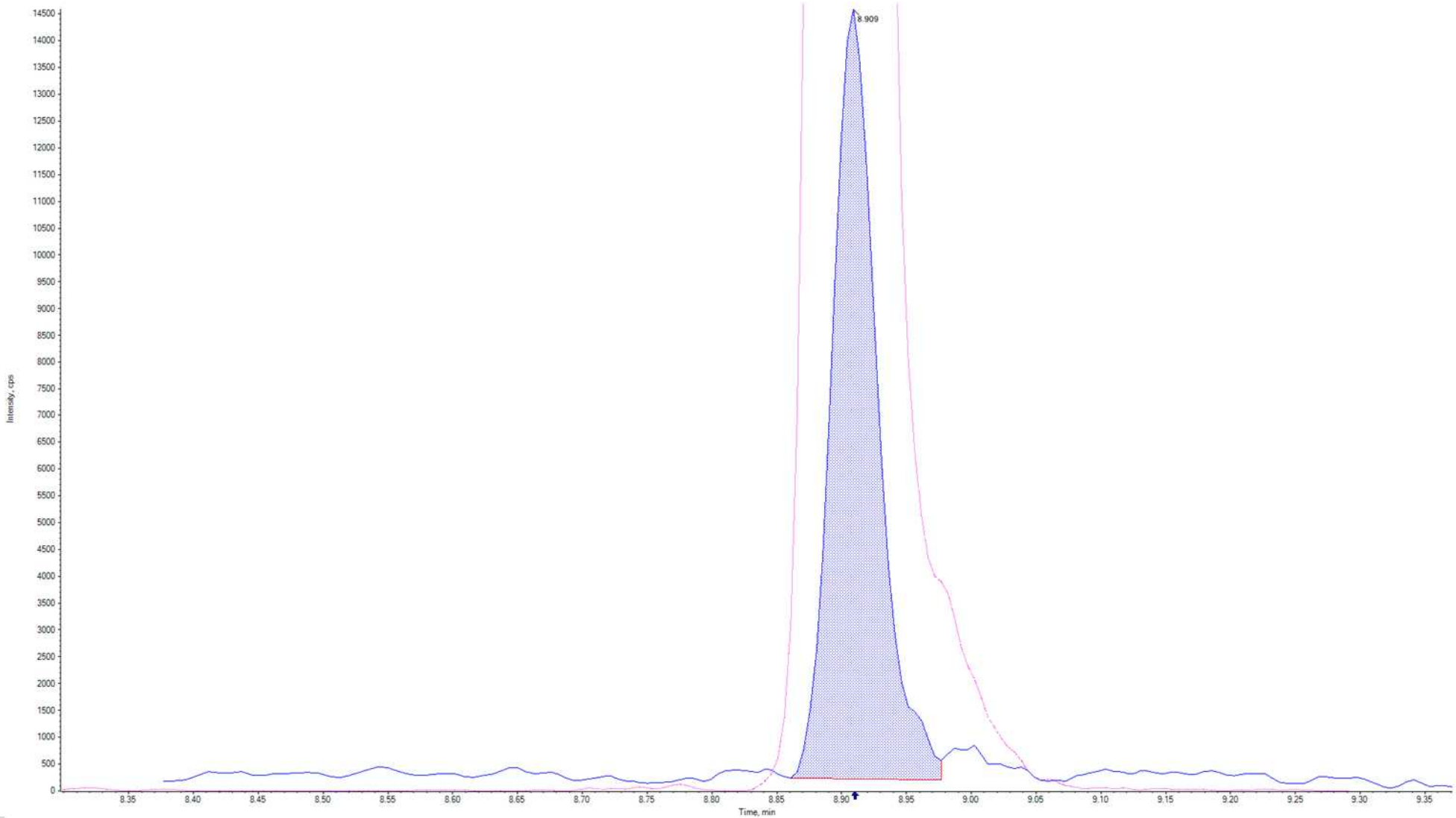
Generated: 8/14/2024 6:27:11 AM

PFDoA
Sample: IA1633STD-.1 S/N:743.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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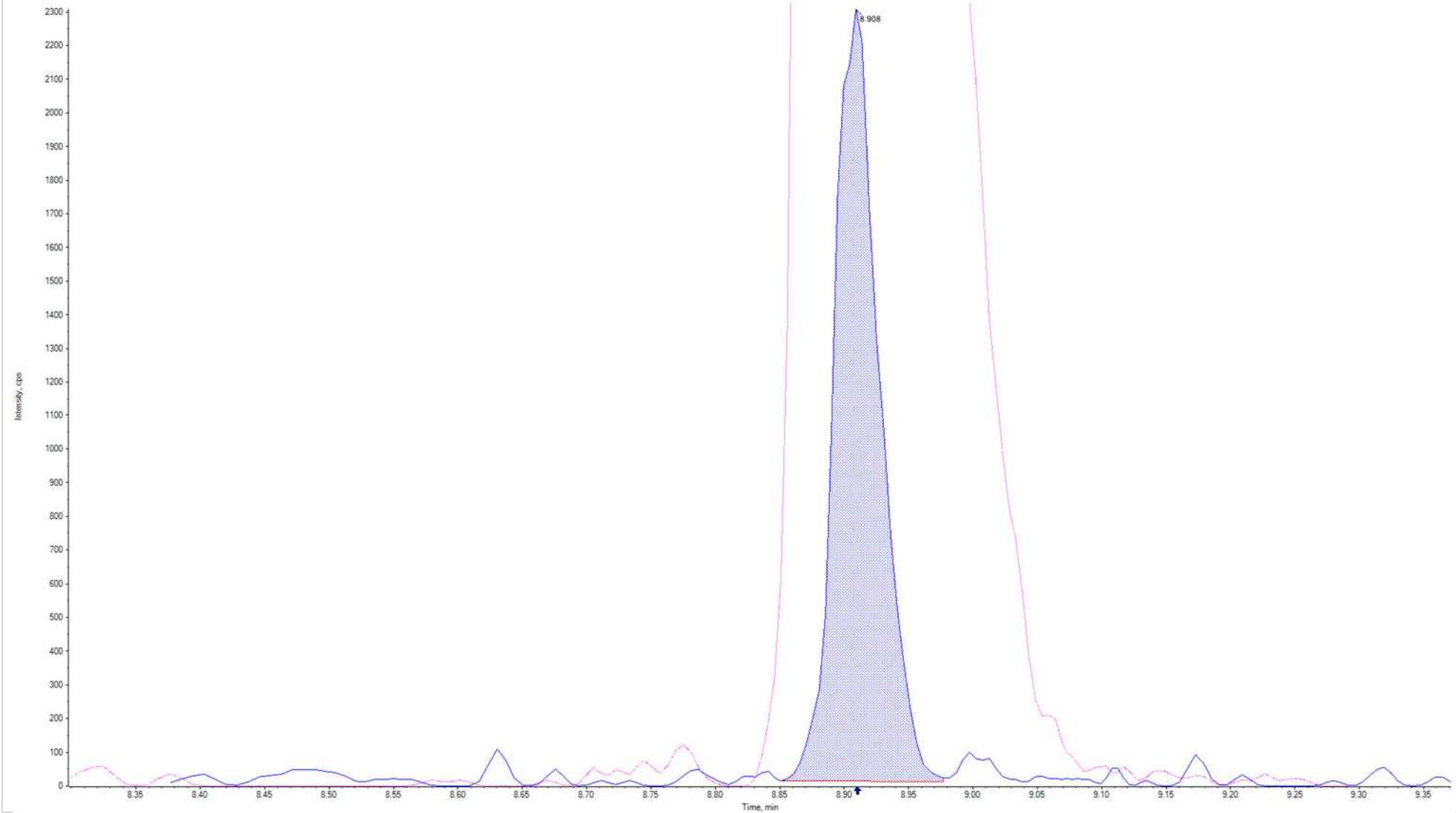
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDoA_2
Sample: IA1633STD-.1 S/N:124169.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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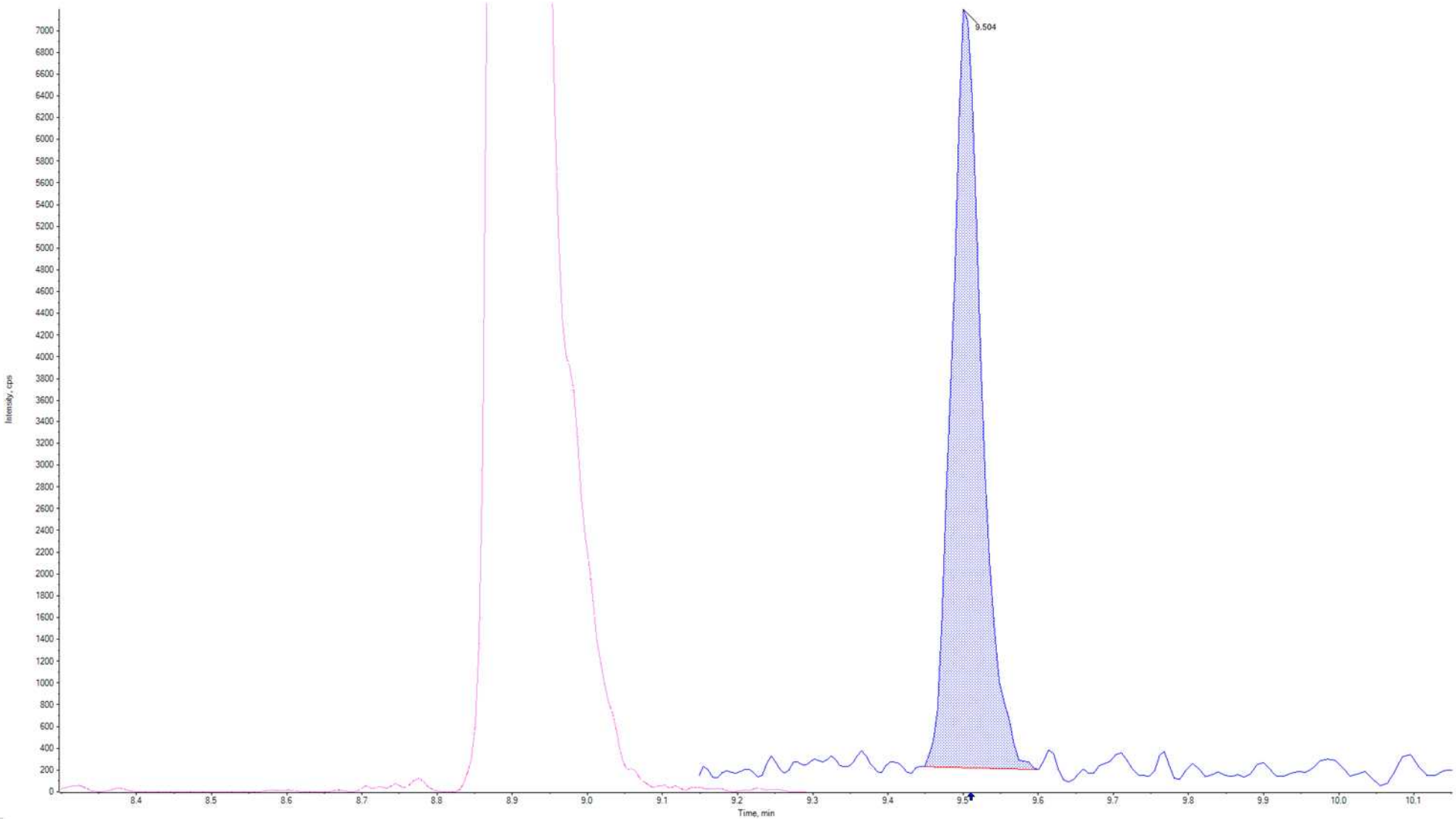
Generated: 8/14/2024 6:27:11 AM

PFTrDA
Sample: IA1633STD-.1 S/N:232.3 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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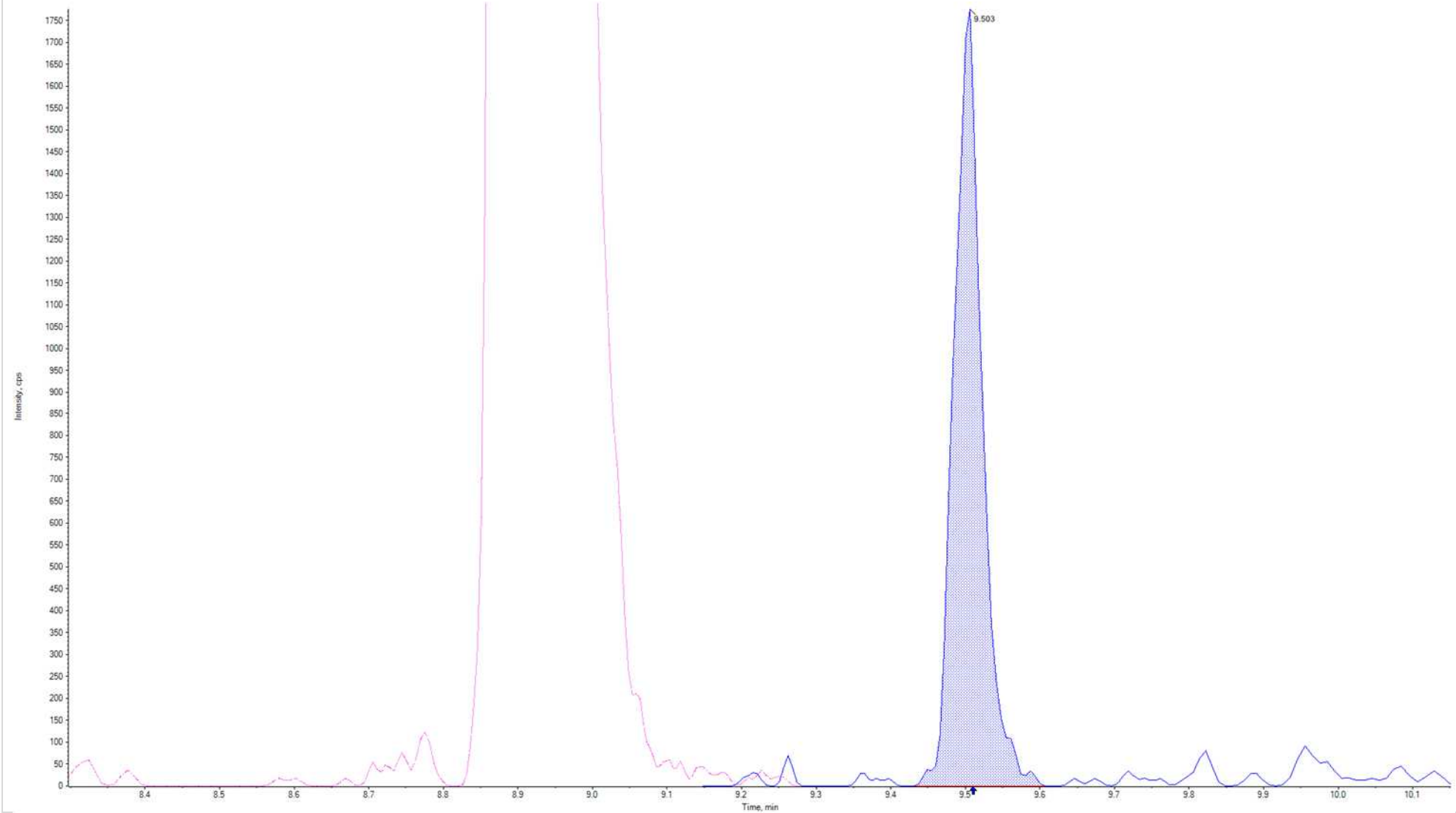
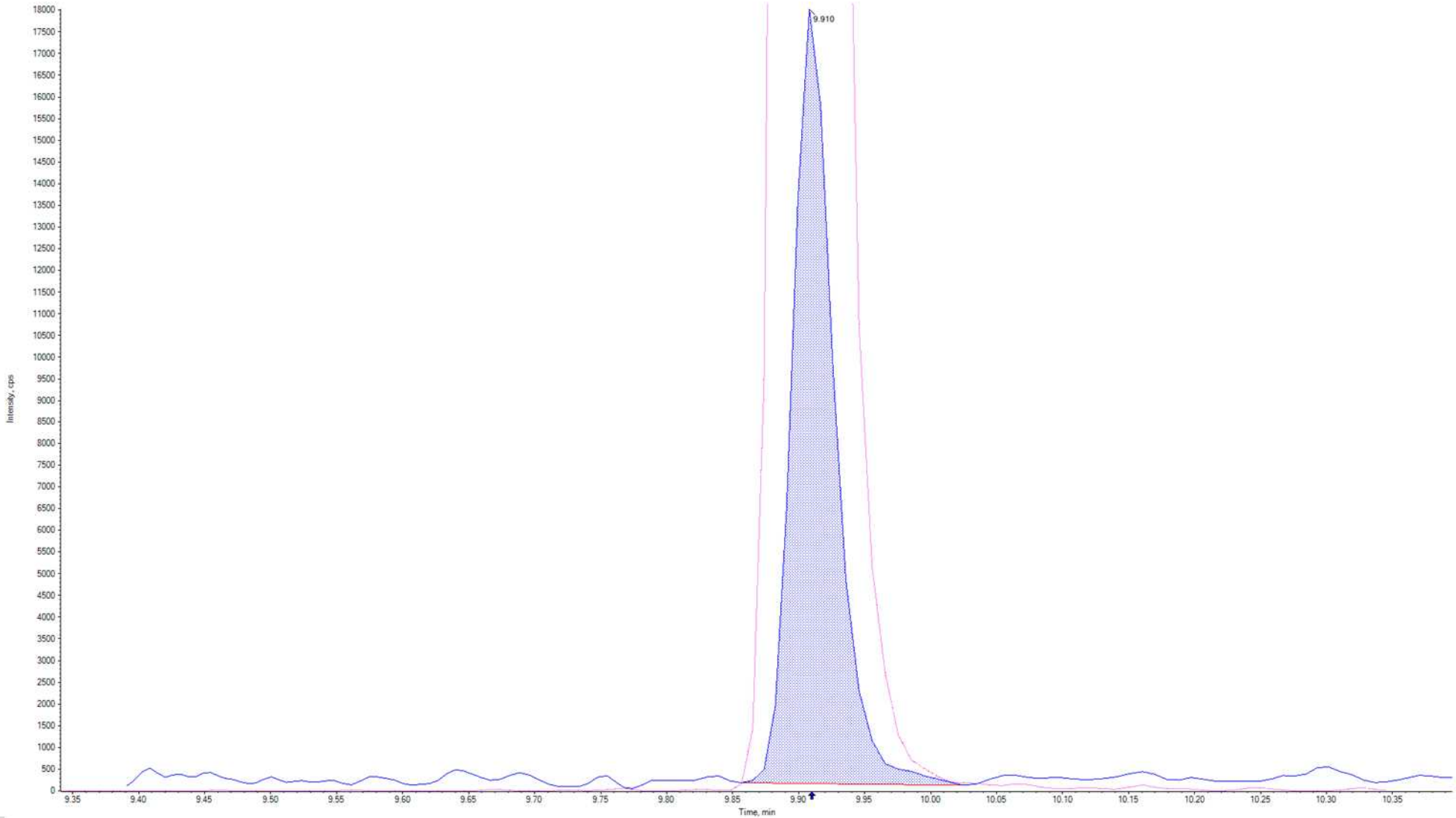
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-.1 S/N:225.5 Points Across peak:34



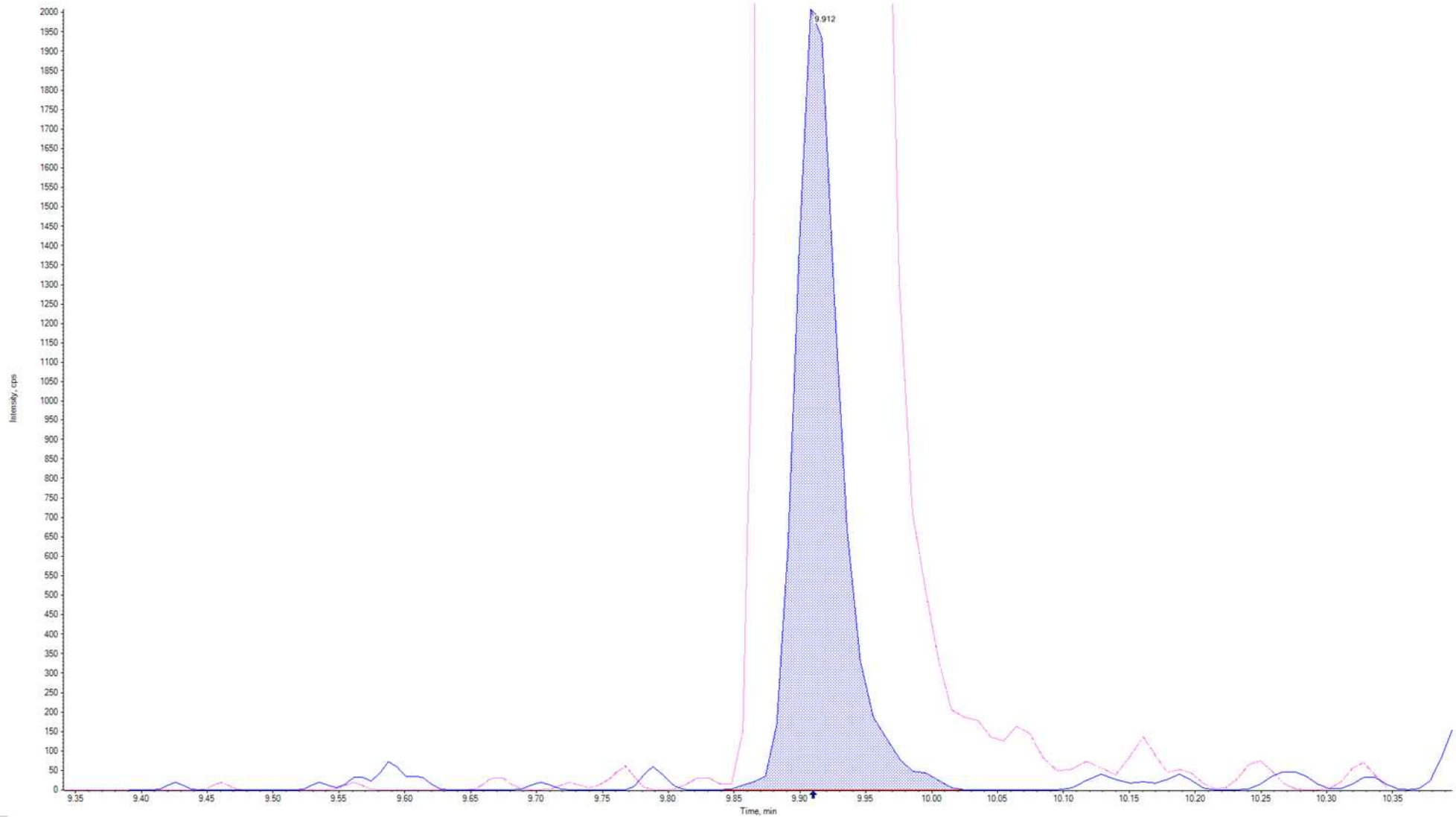
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-.1 S/N:388.9 Points Across peak:19



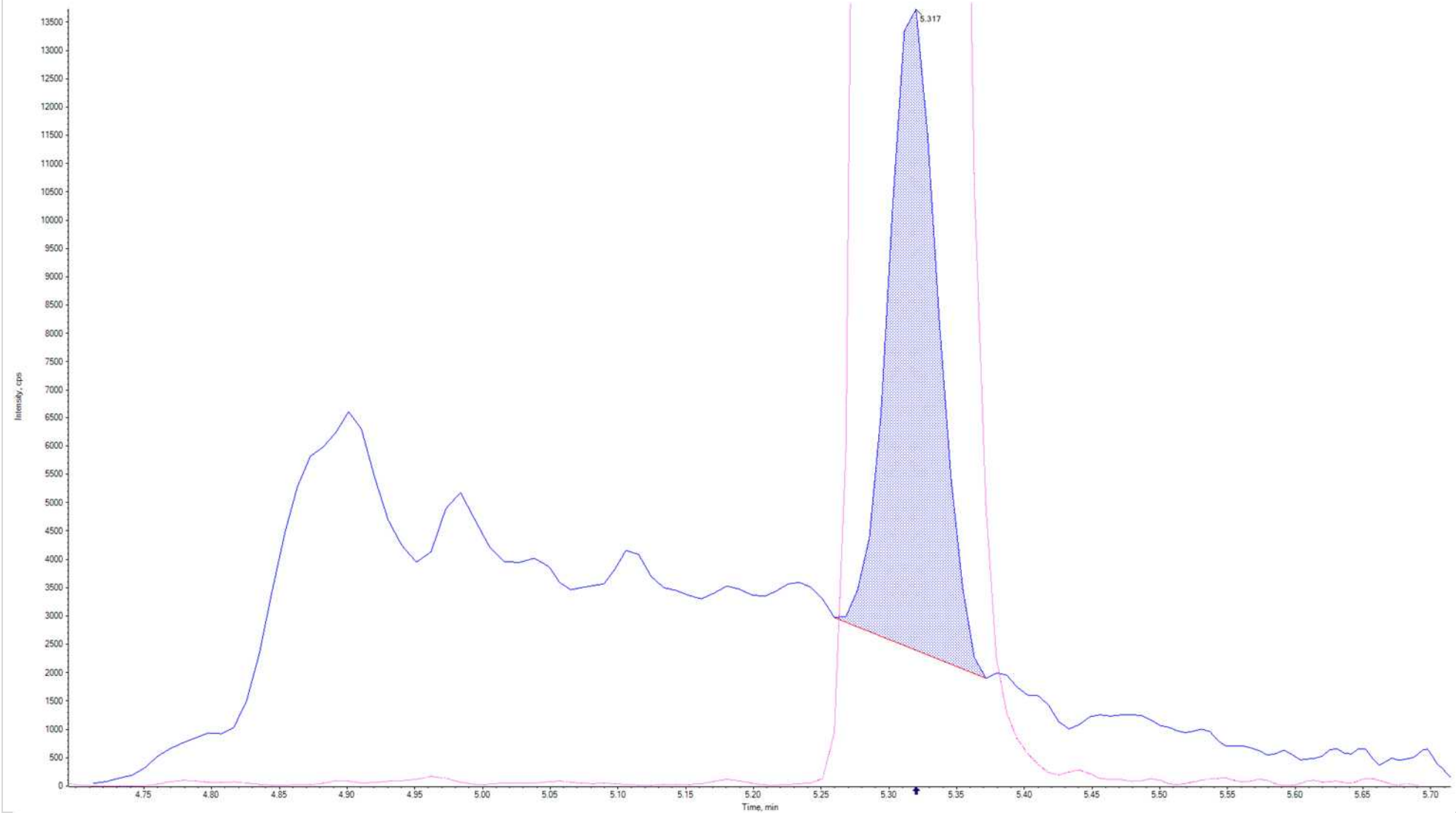
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-.1 S/N:296.8 Points Across peak:24



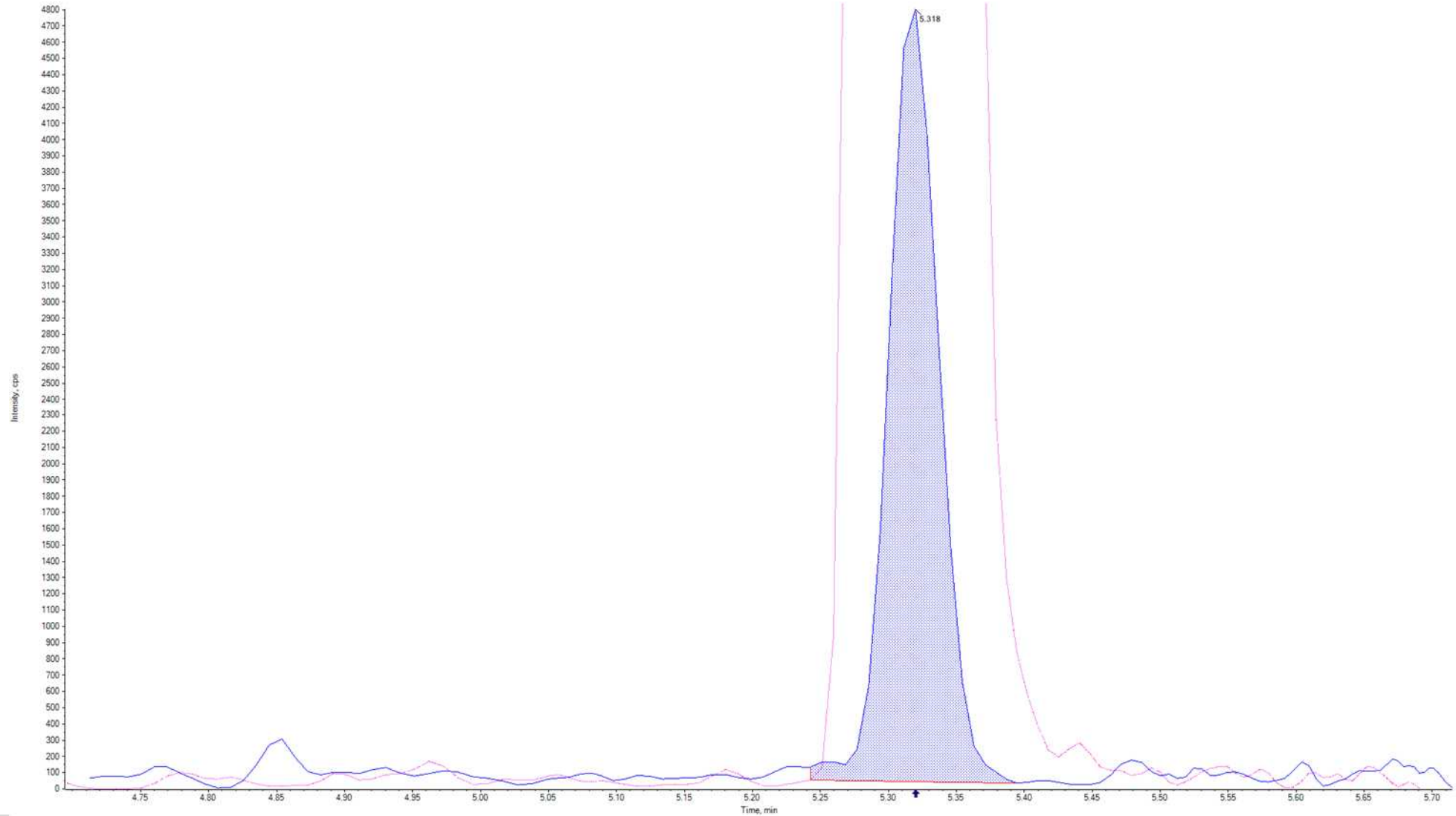
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-.1 S/N:33.7 Points Across peak:14



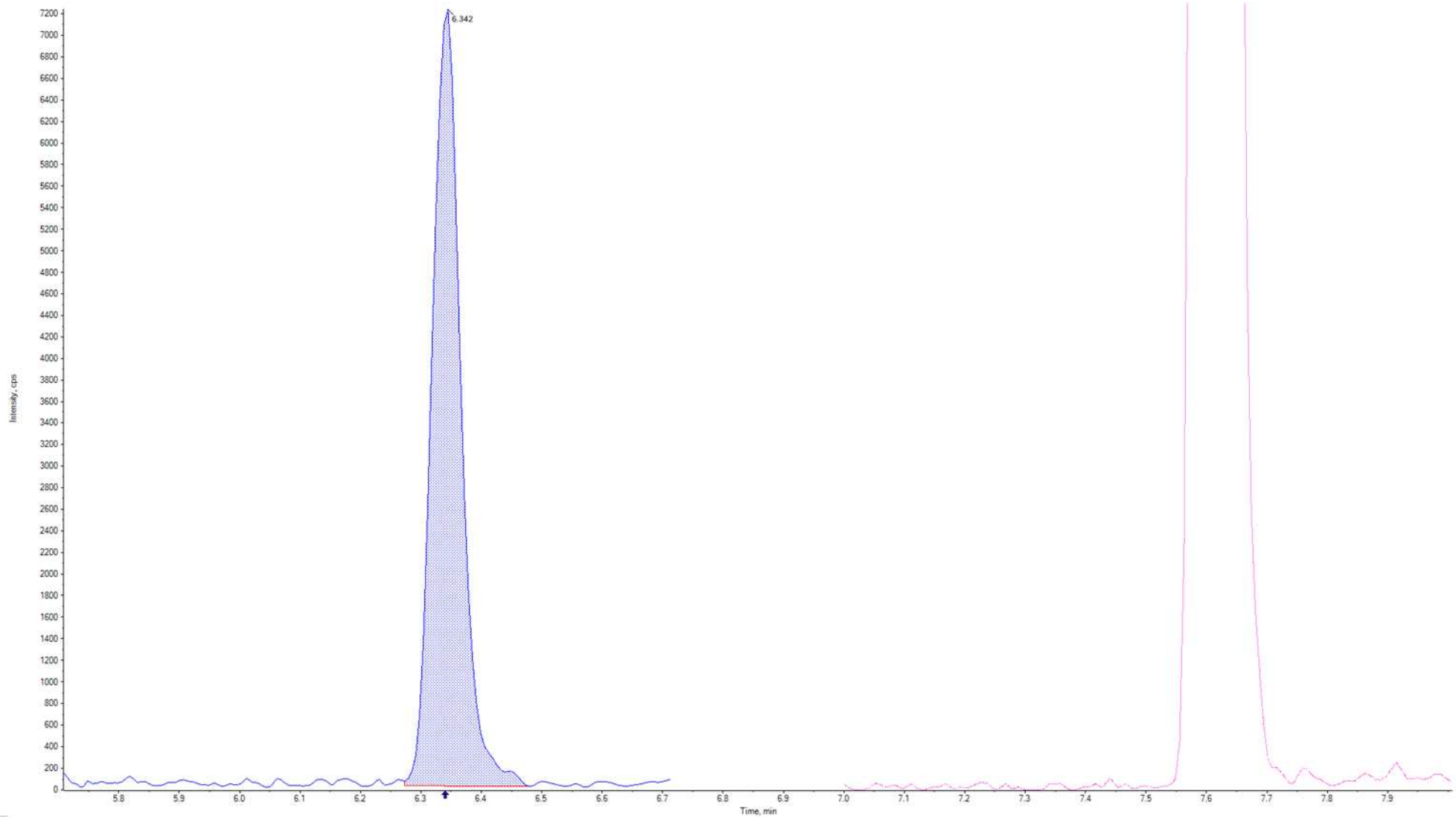
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-.1 S/N:511.4 Points Across peak:19



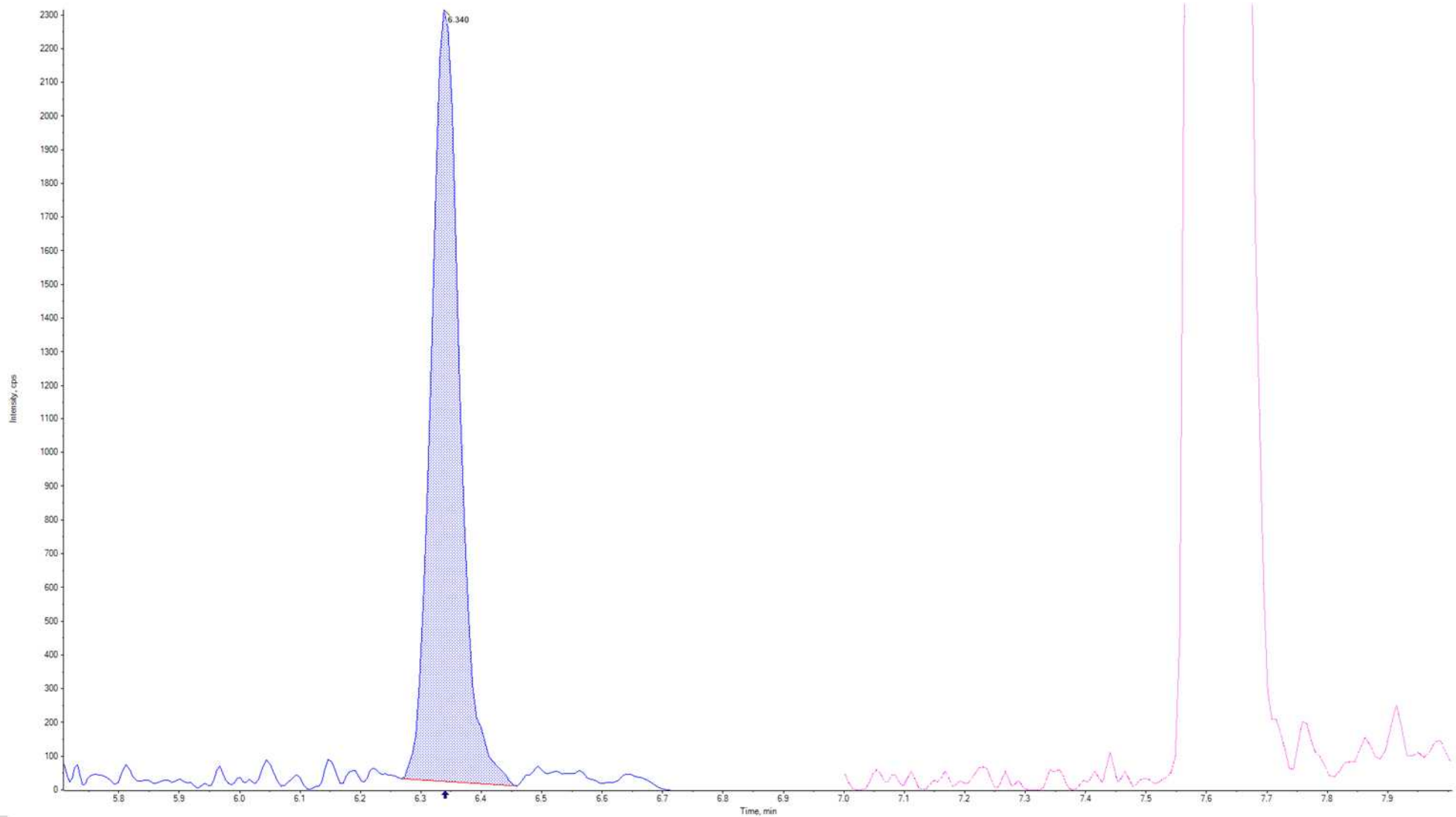
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-.1 S/N:751.2 Points Across peak:32



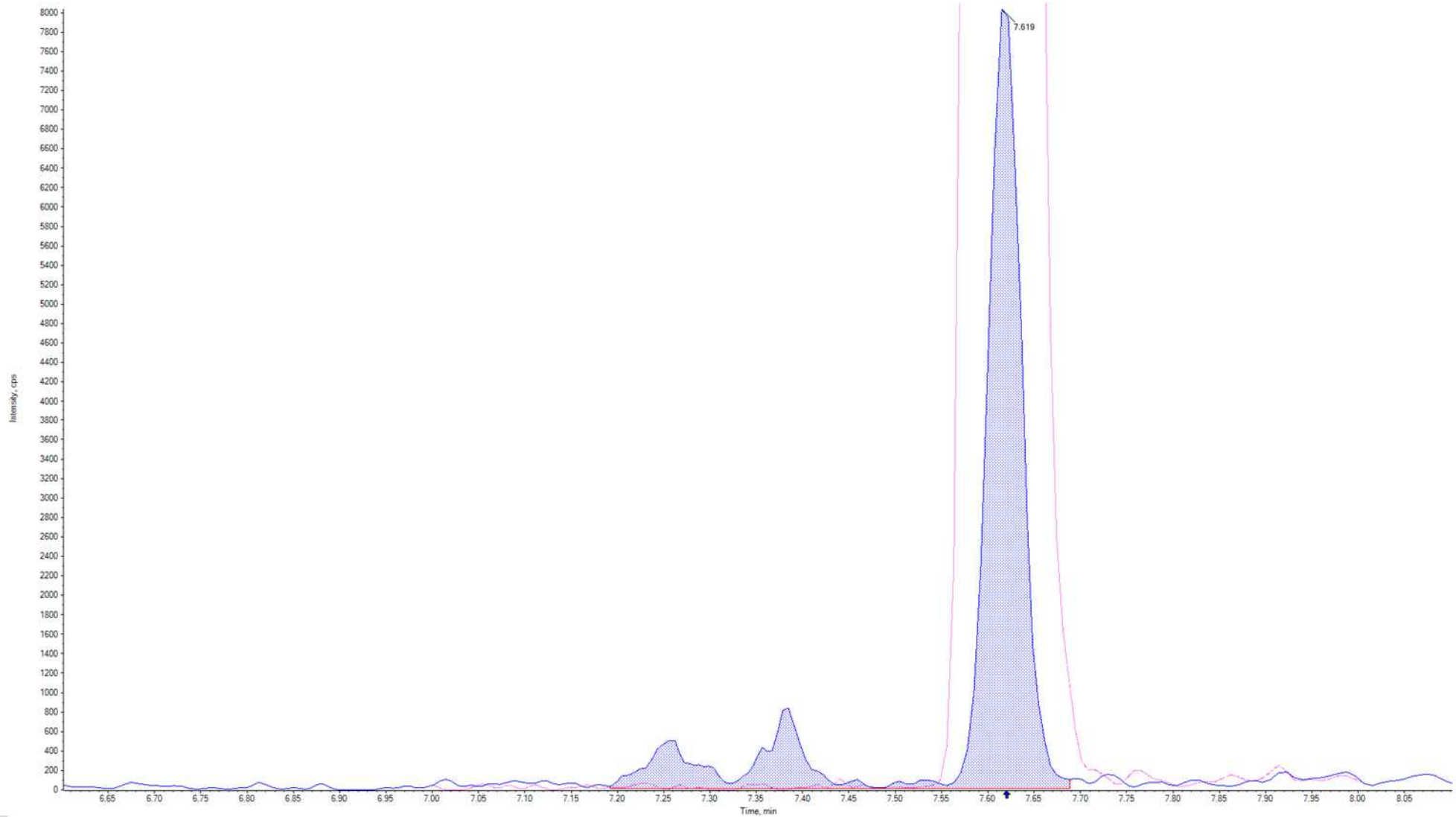
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-.1 S/N:1018.7 Points Across peak:30



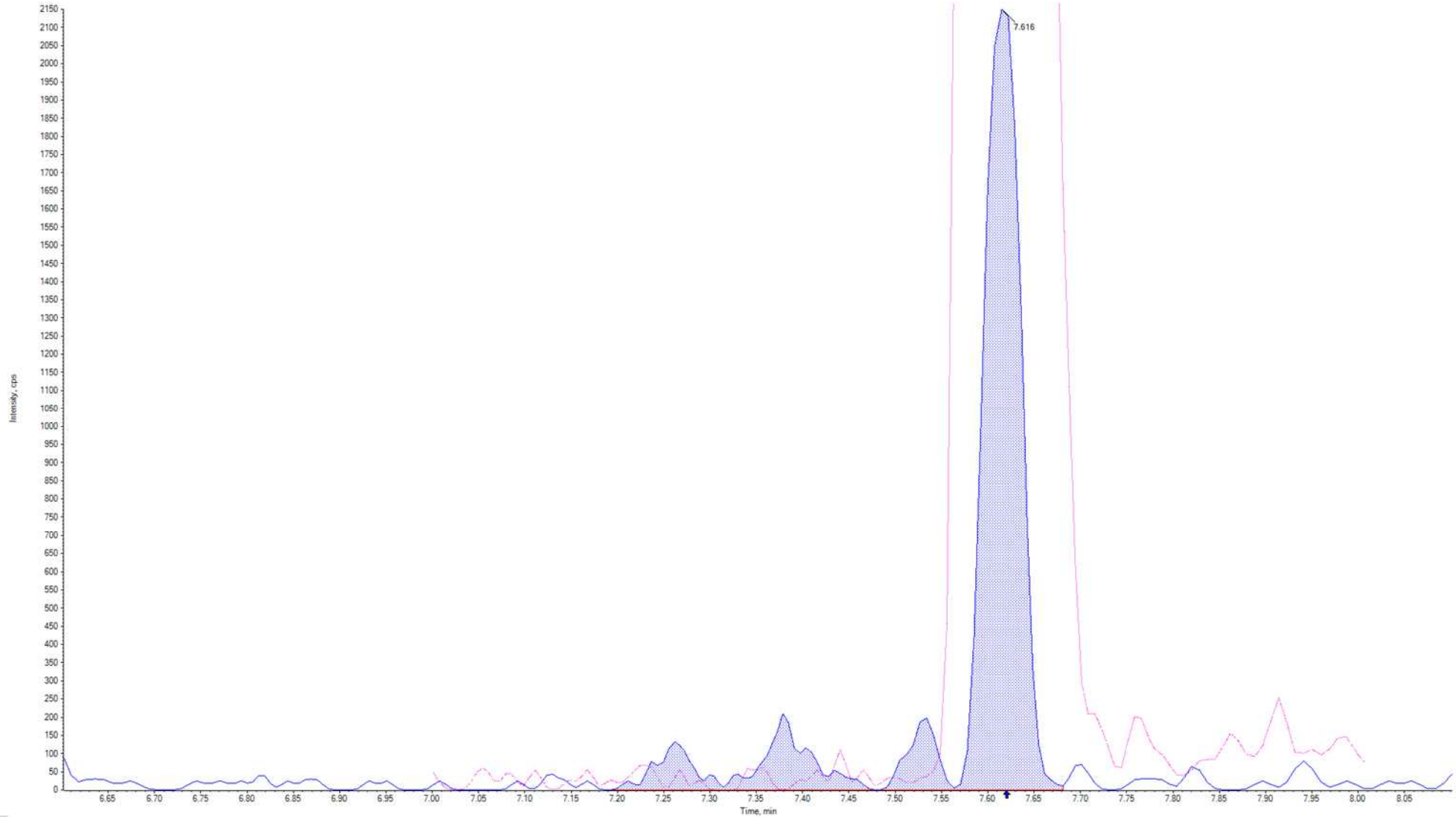
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-.1 S/N:32741.3 Points Across peak:82



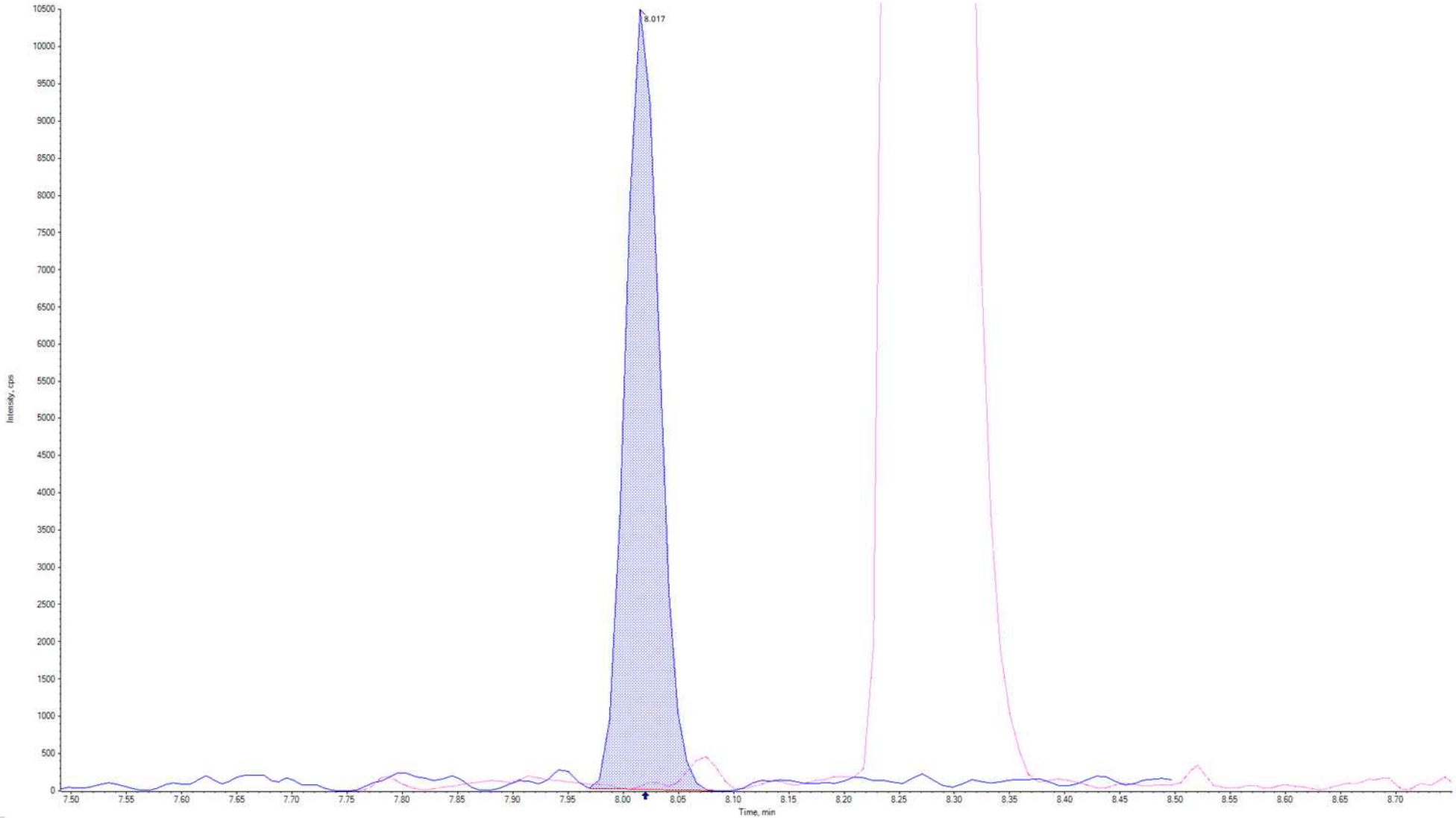
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-.1 S/N:100463.6 Points Across peak:81



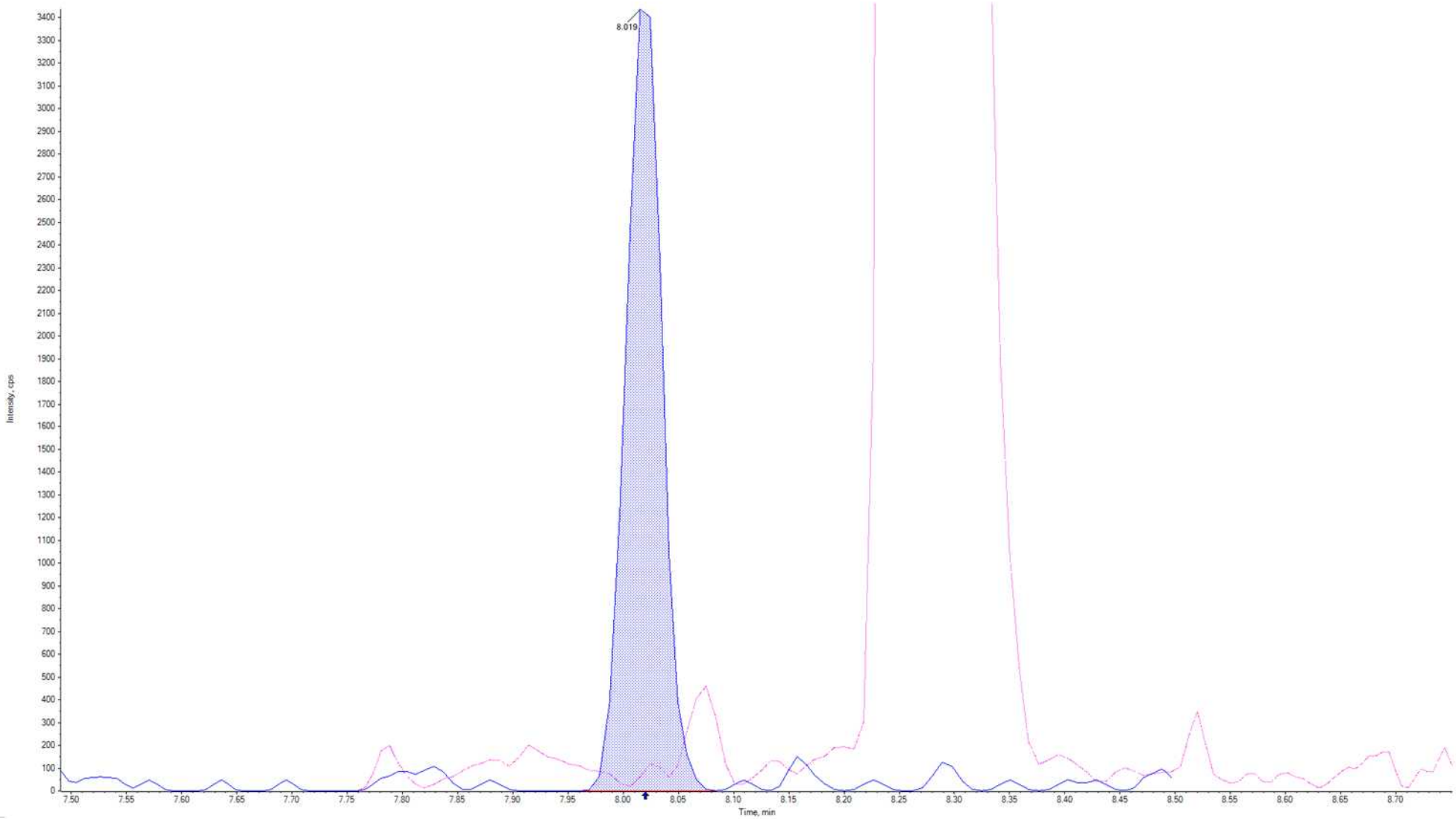
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-.1 S/N:3220.2 Points Across peak:14



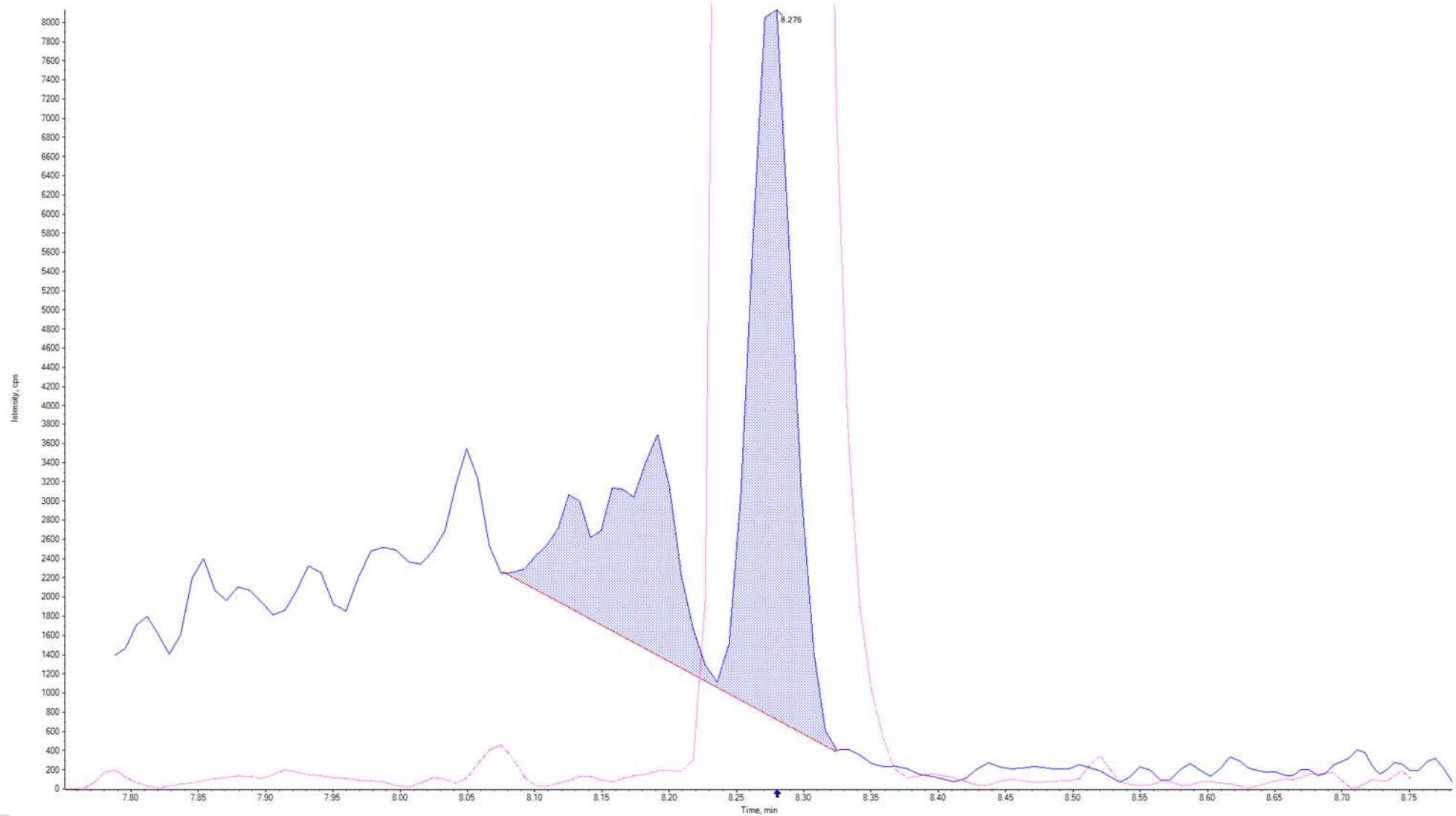
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-.1 S/N:744829.2 Points Across peak:16



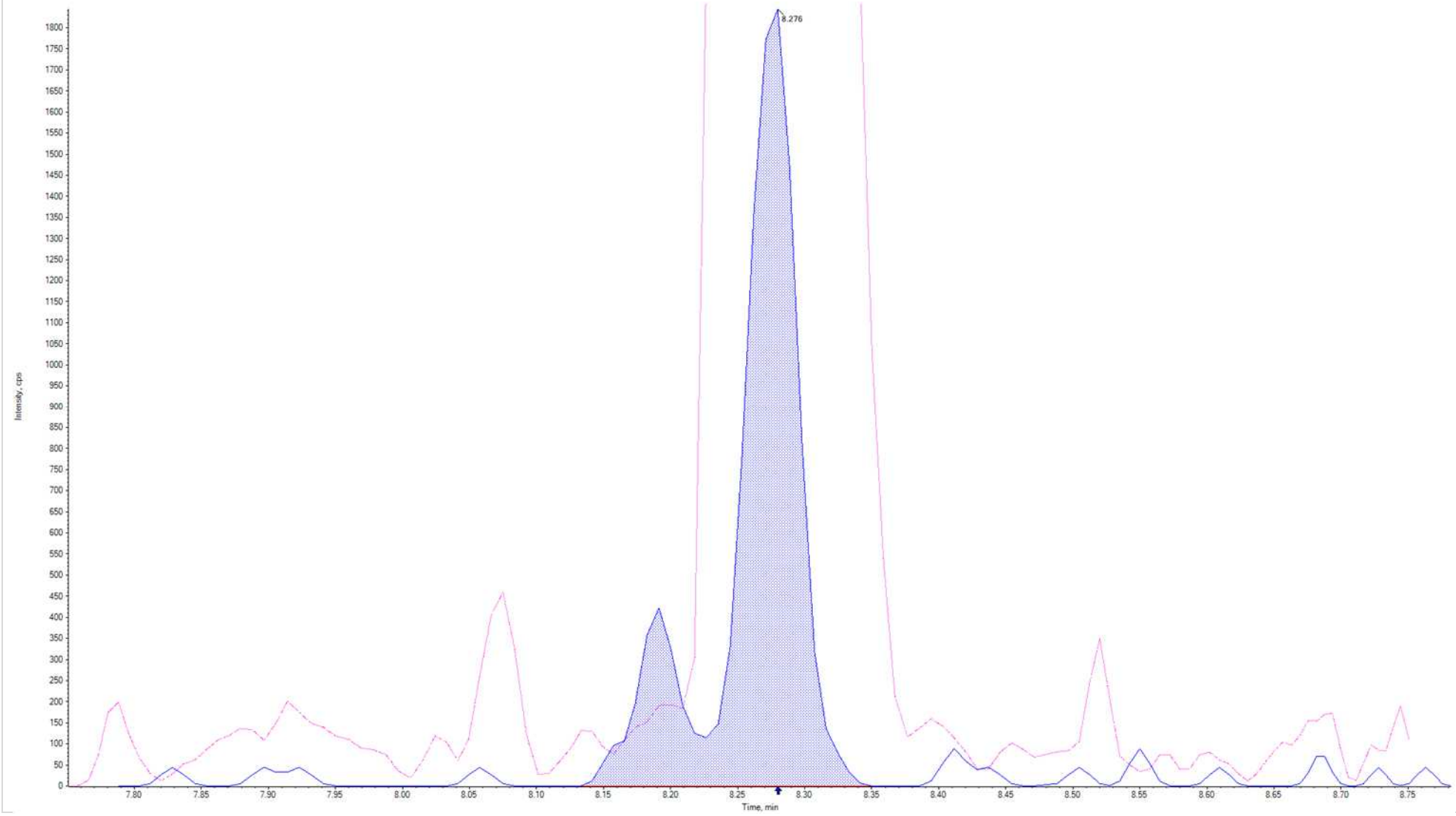
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-.1 S/N:180.0 Points Across peak:30



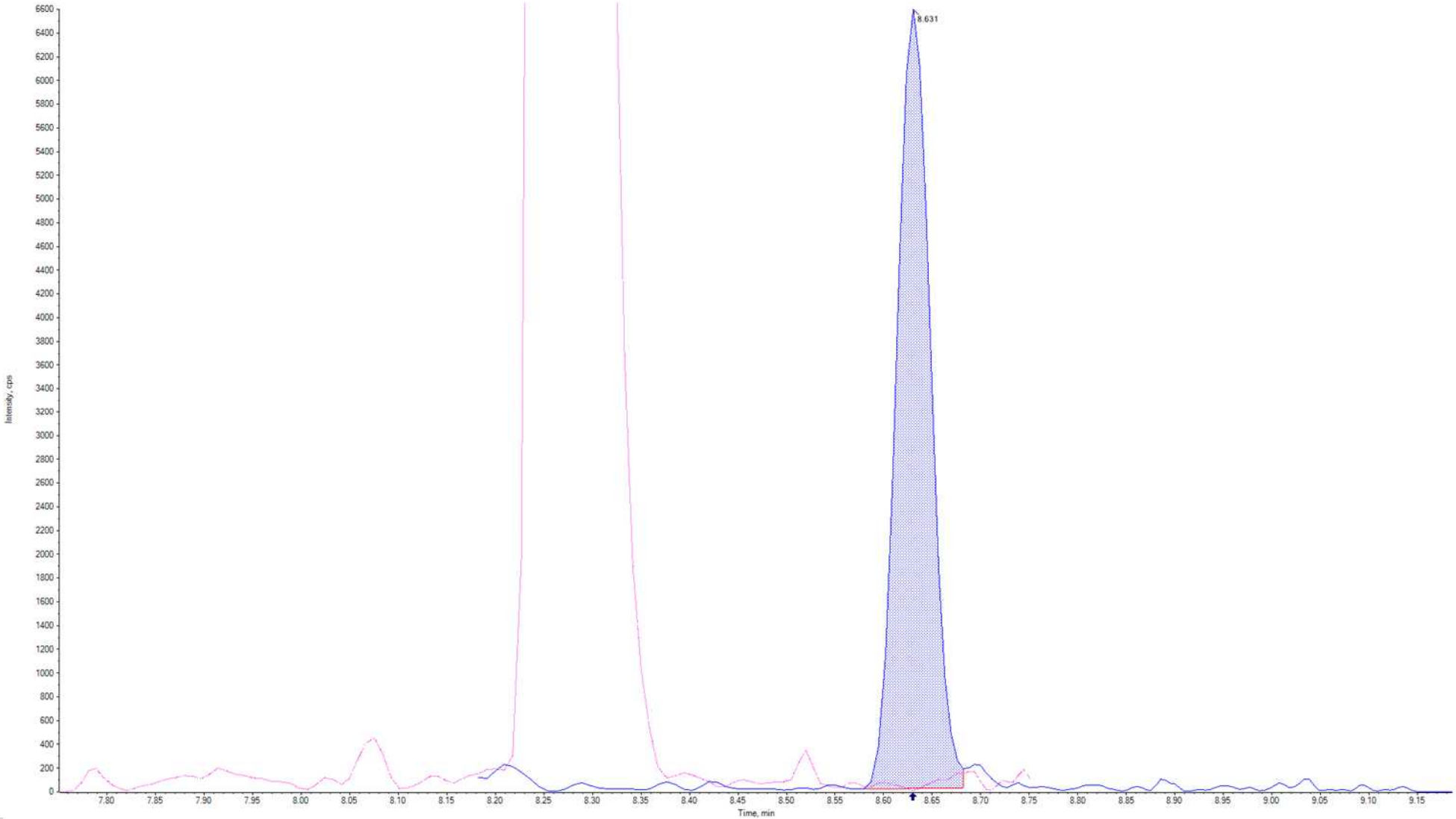
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-.1 S/N:166.1 Points Across peak:31



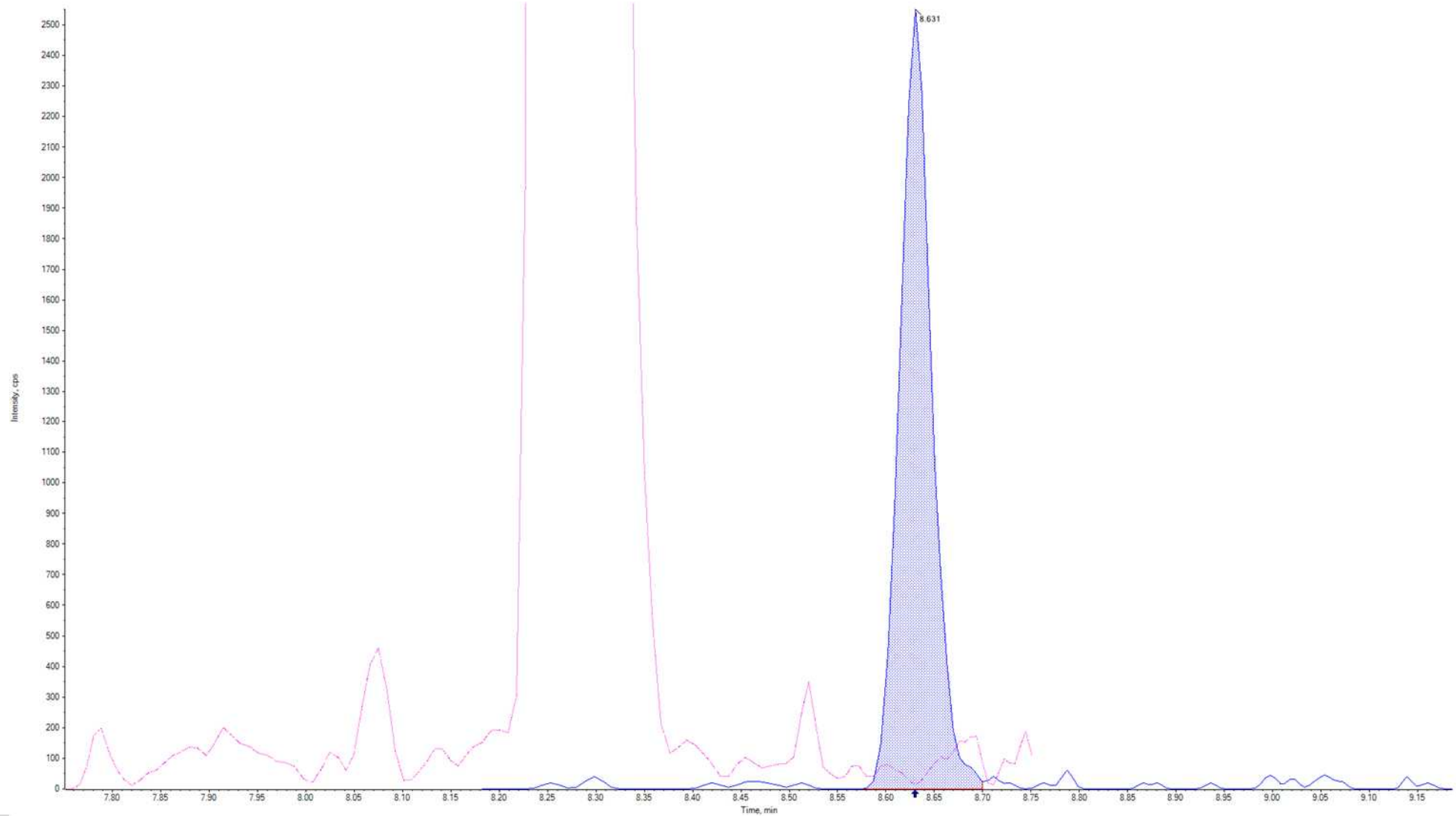
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-.1 S/N:346.8 Points Across peak:16



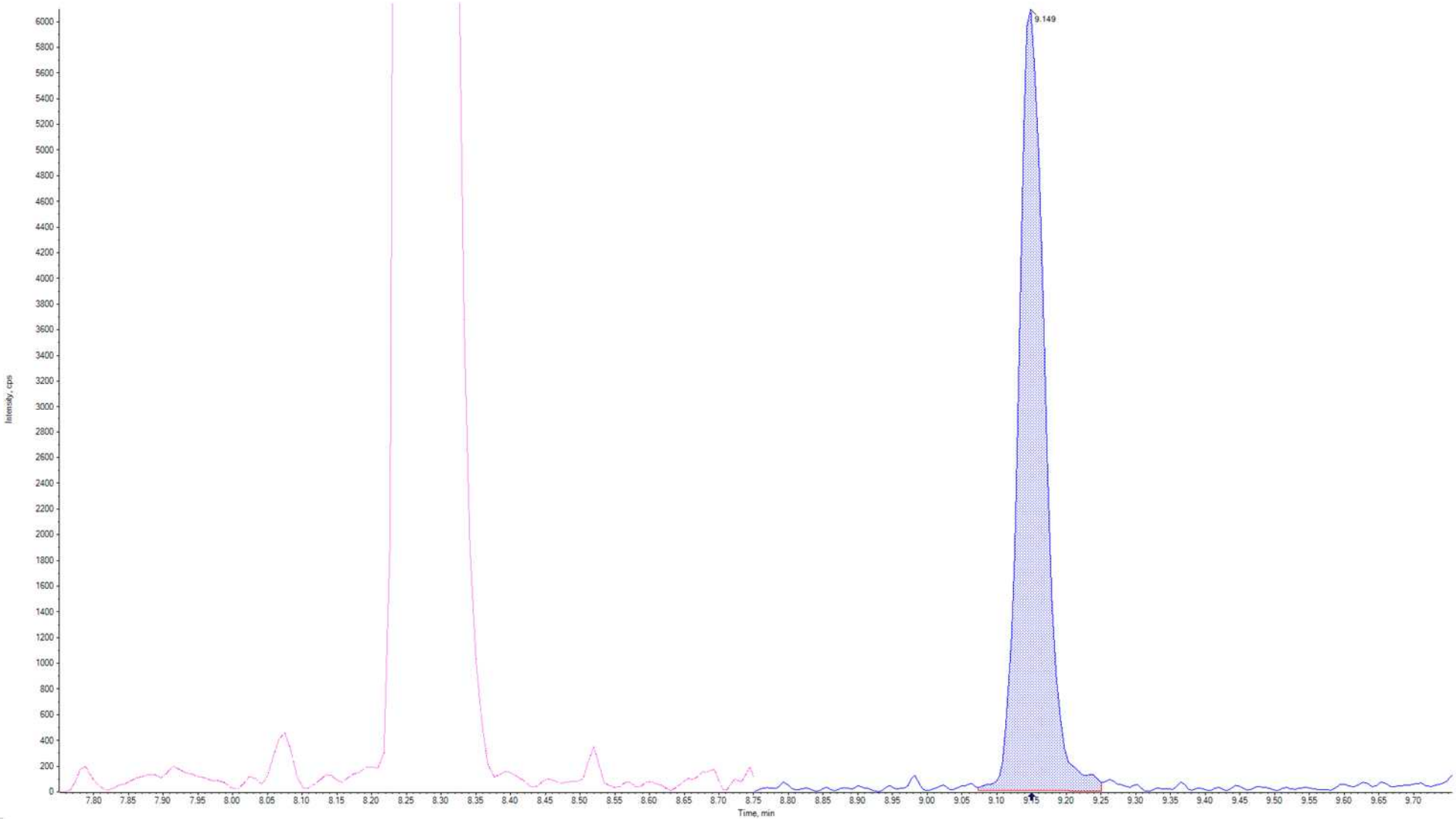
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-.1 S/N:352.3 Points Across peak:21



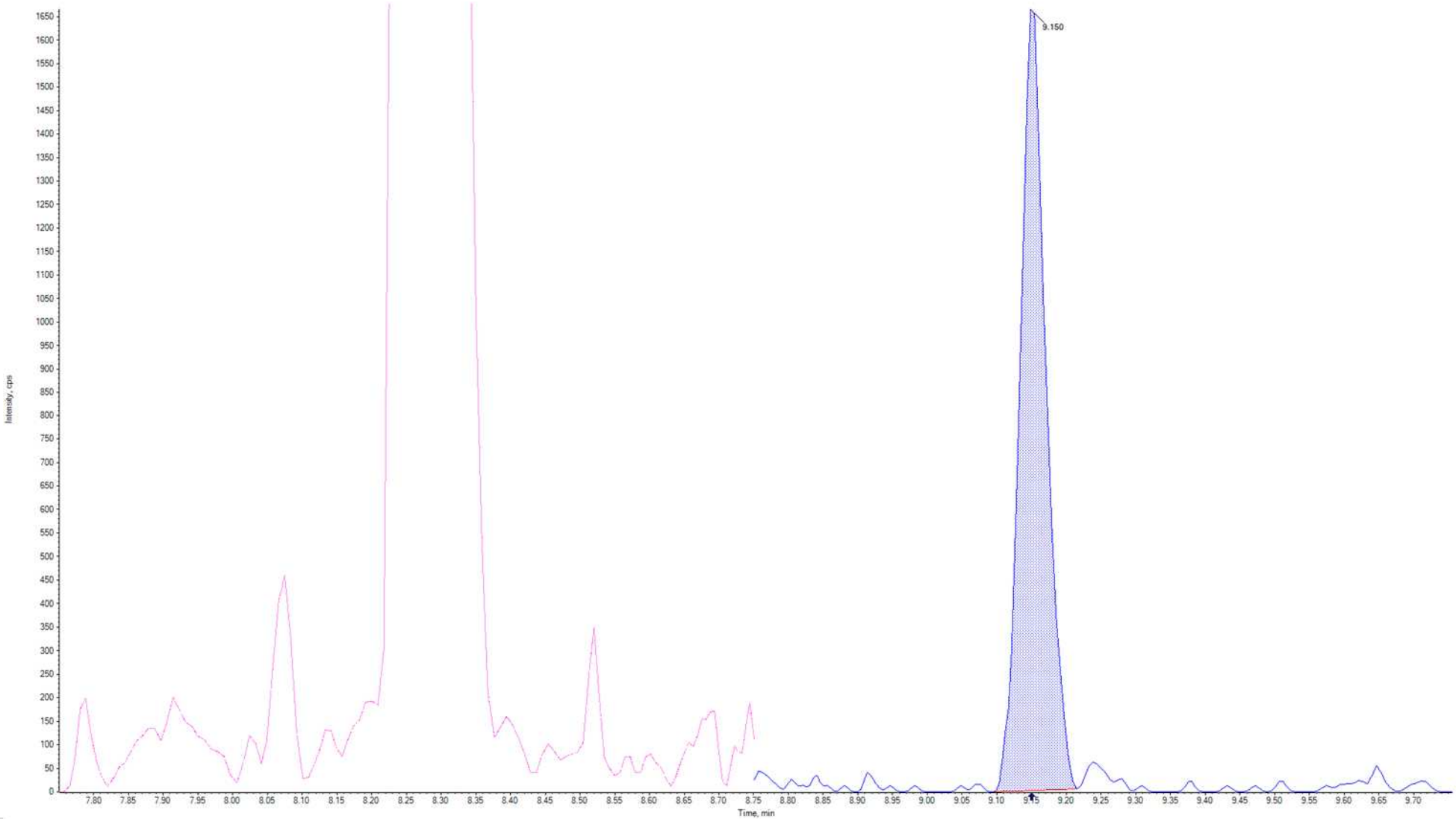
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-.1 S/N:1464.7 Points Across peak:35



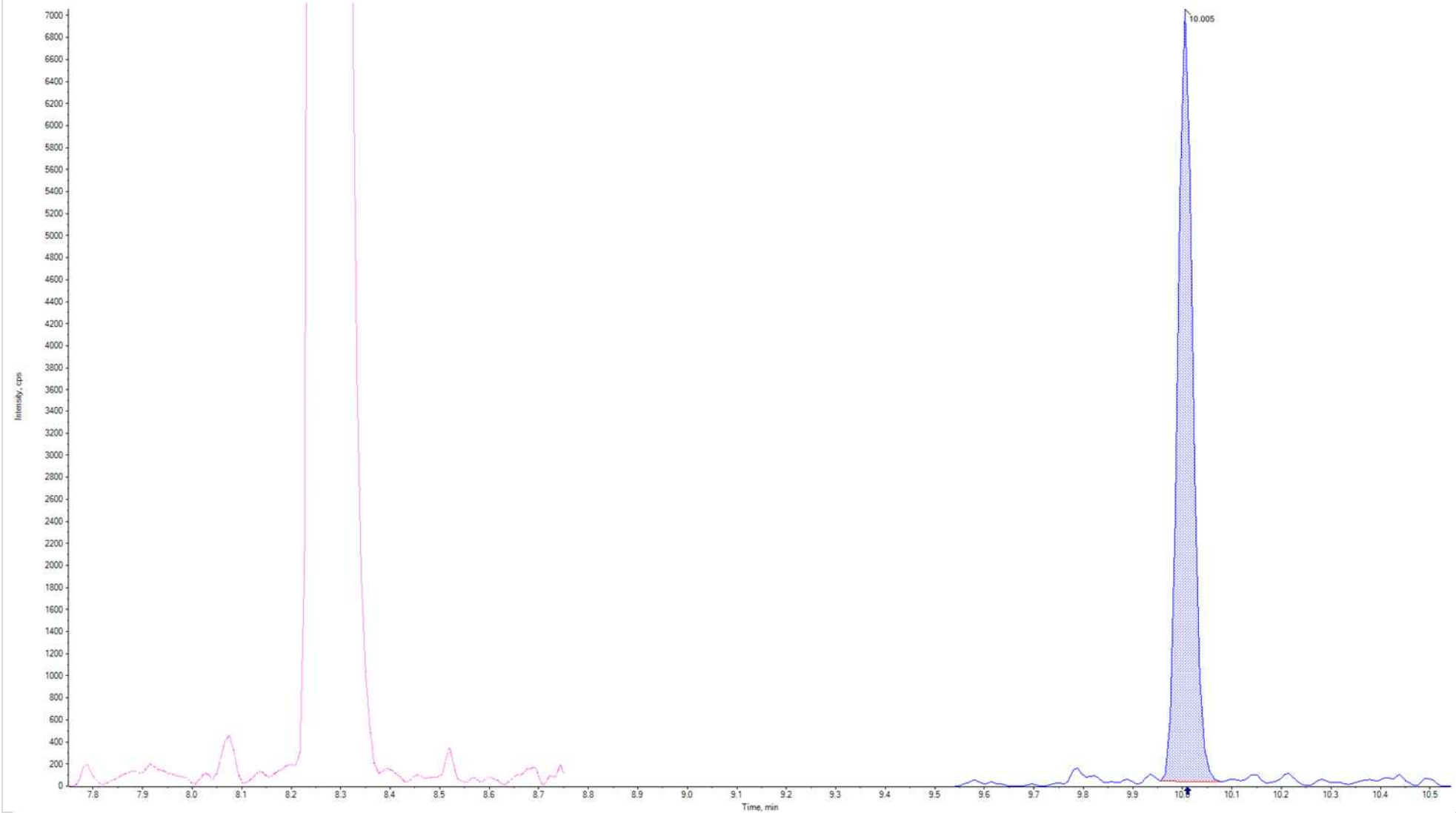
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-.1 S/N:2138863.8 Points Across peak:24



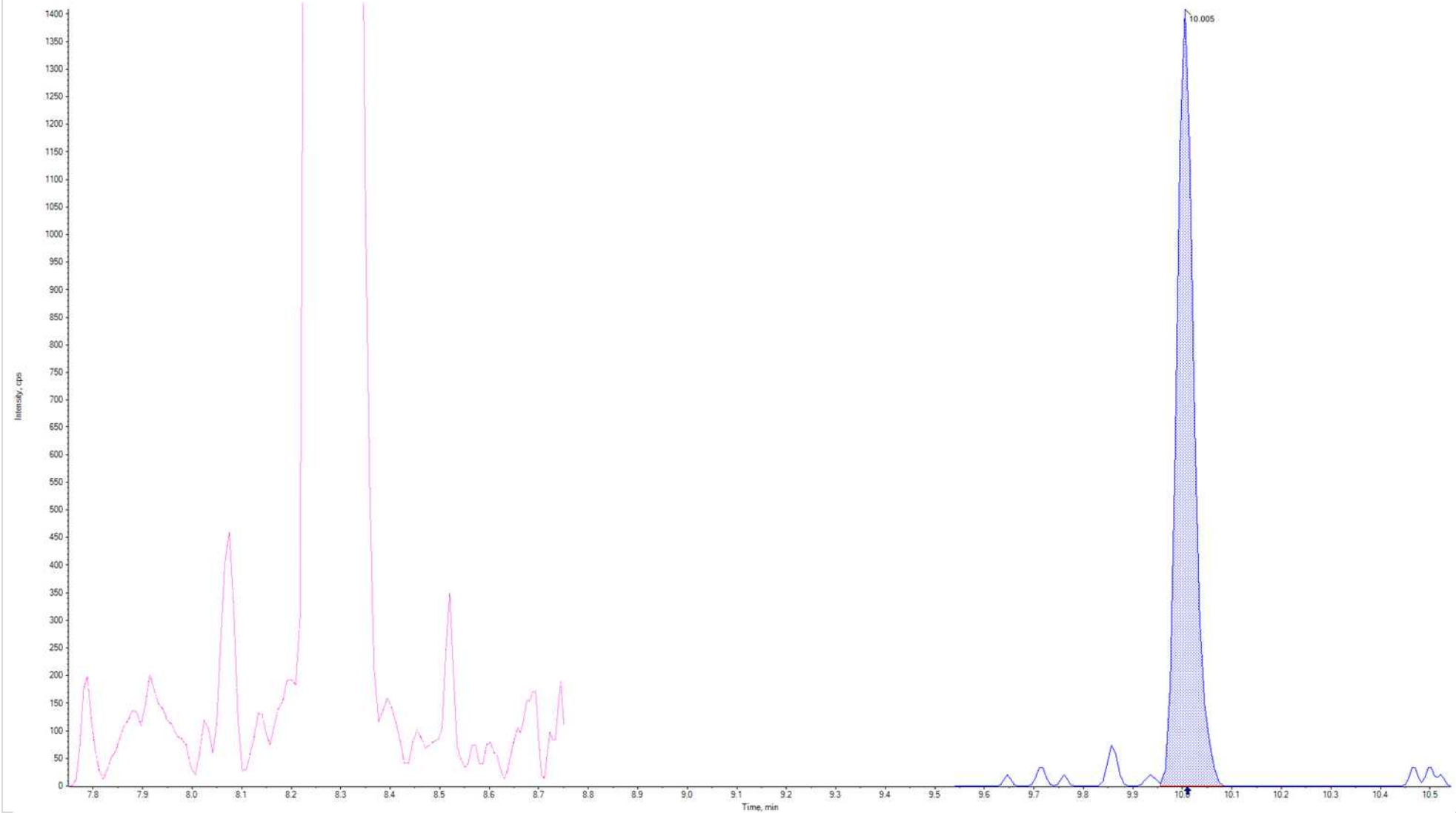
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-.1 S/N:28946.3 Points Across peak:13



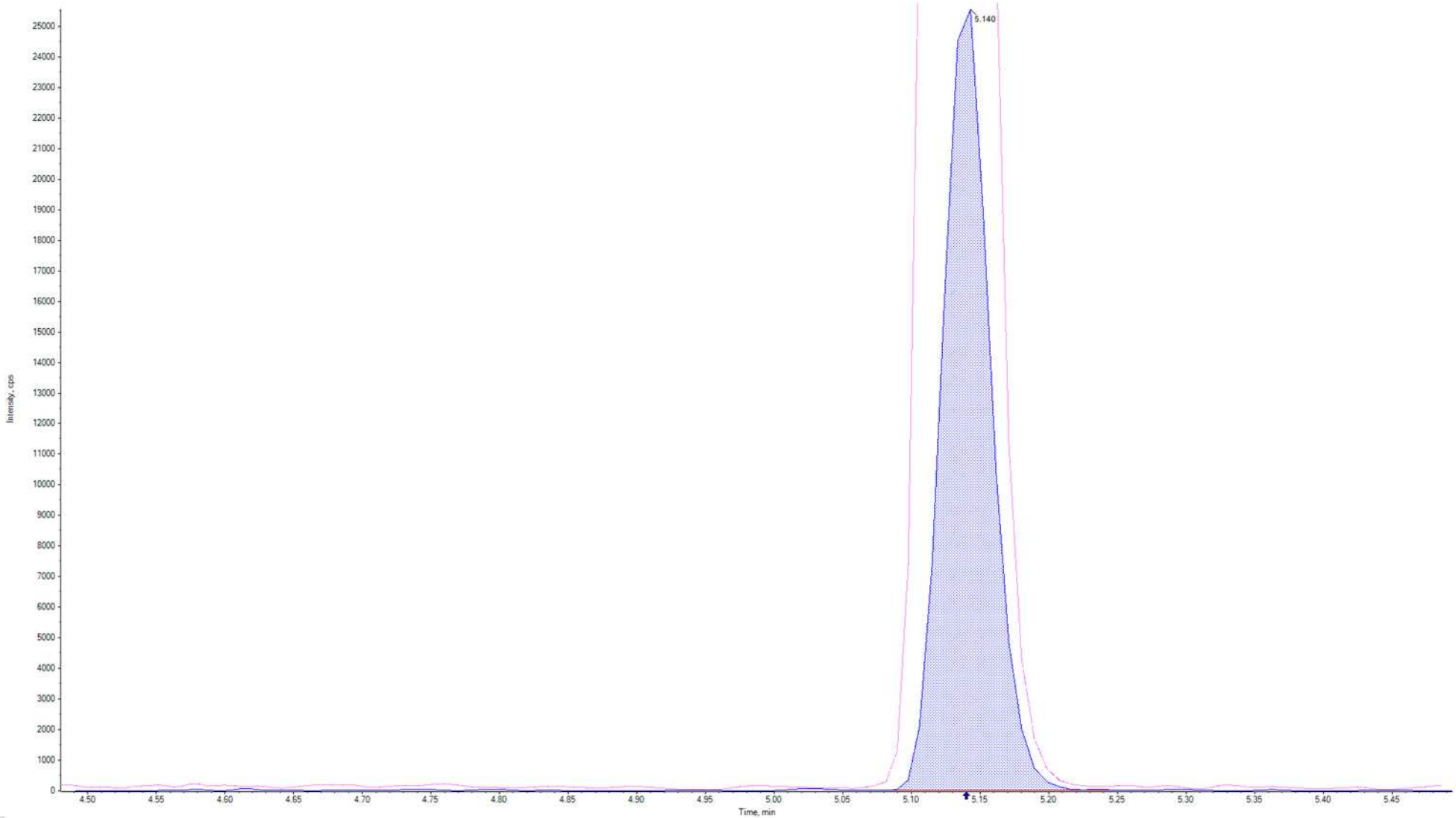
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-.1 S/N:1454.1 Points Across peak:16



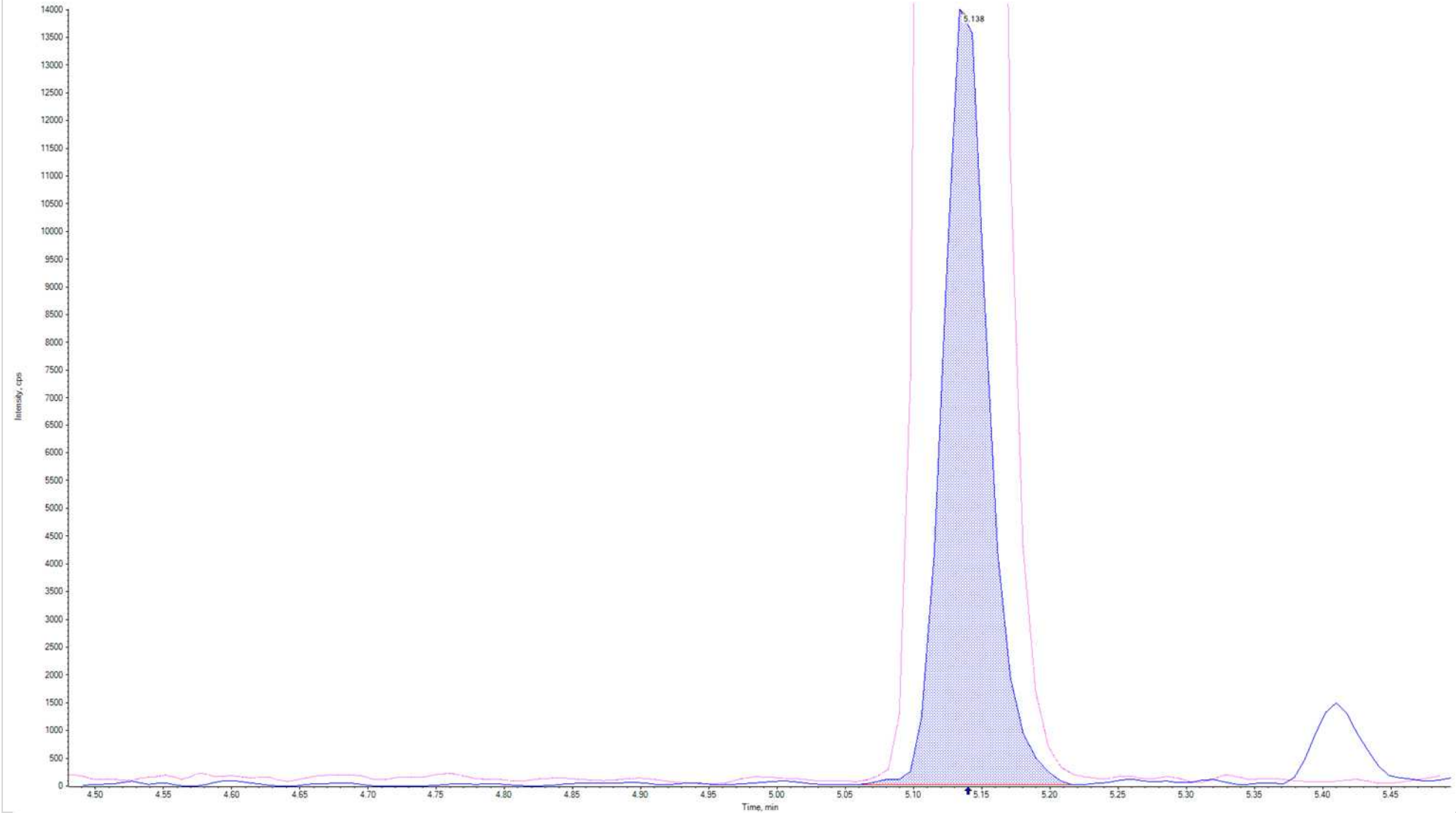
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-.1 S/N:933.4 Points Across peak:21



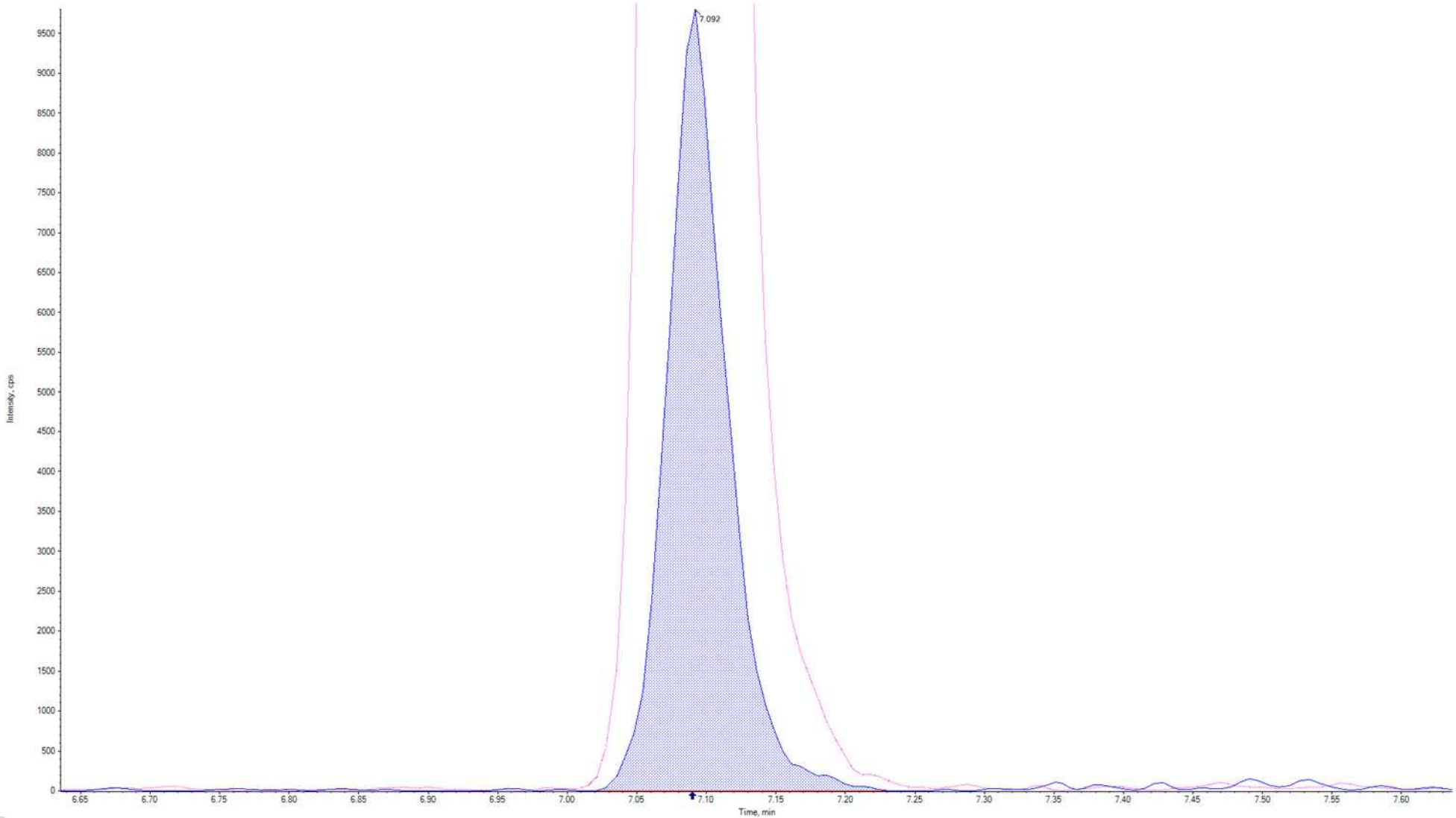
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-.1 S/N:5252.7 Points Across peak:20



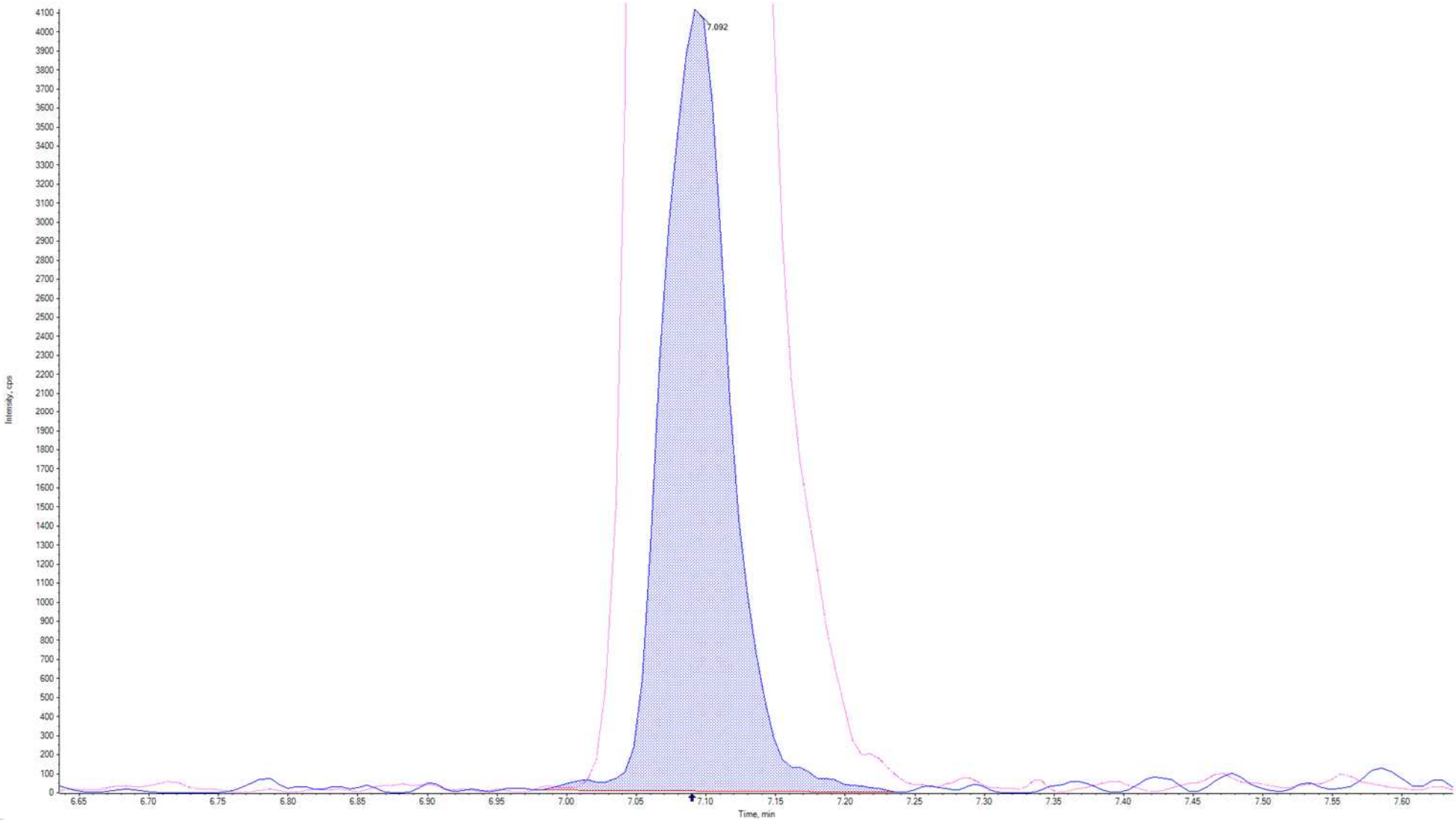
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-.1 S/N:5755122.8 Points Across peak:37



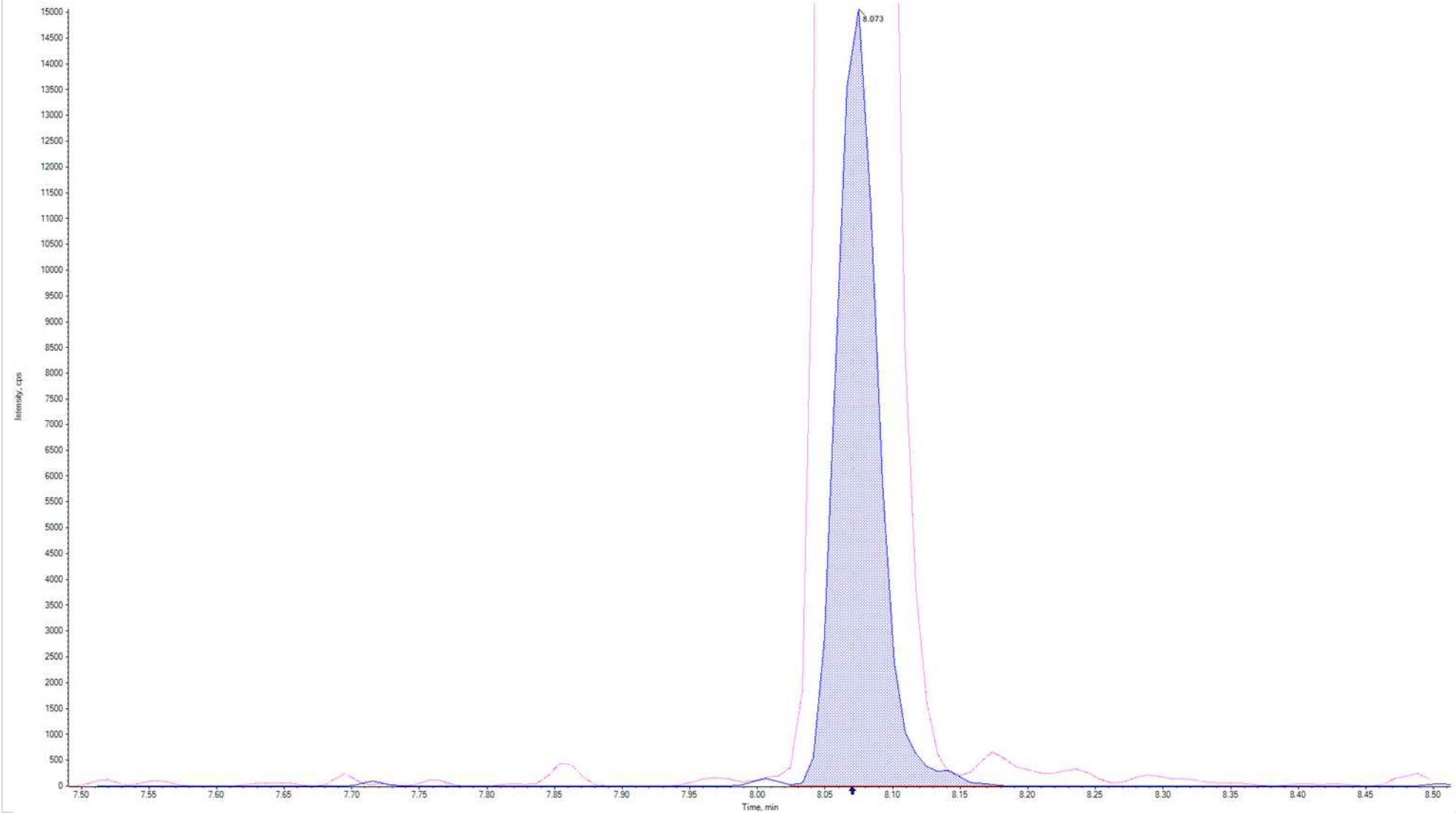
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-.1 S/N:18957.3 Points Across peak:42



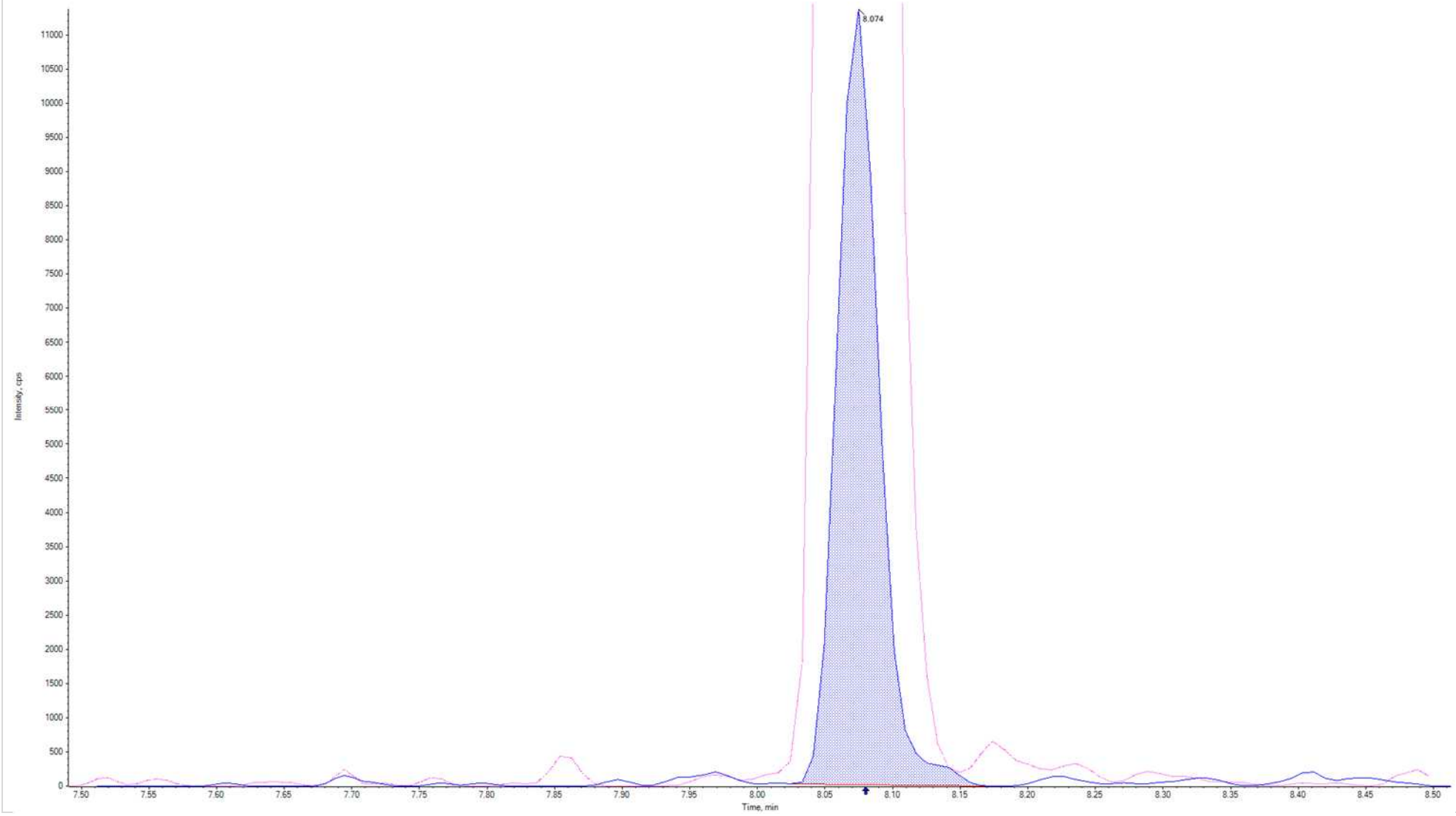
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-.1 S/N:1120.0 Points Across peak:26



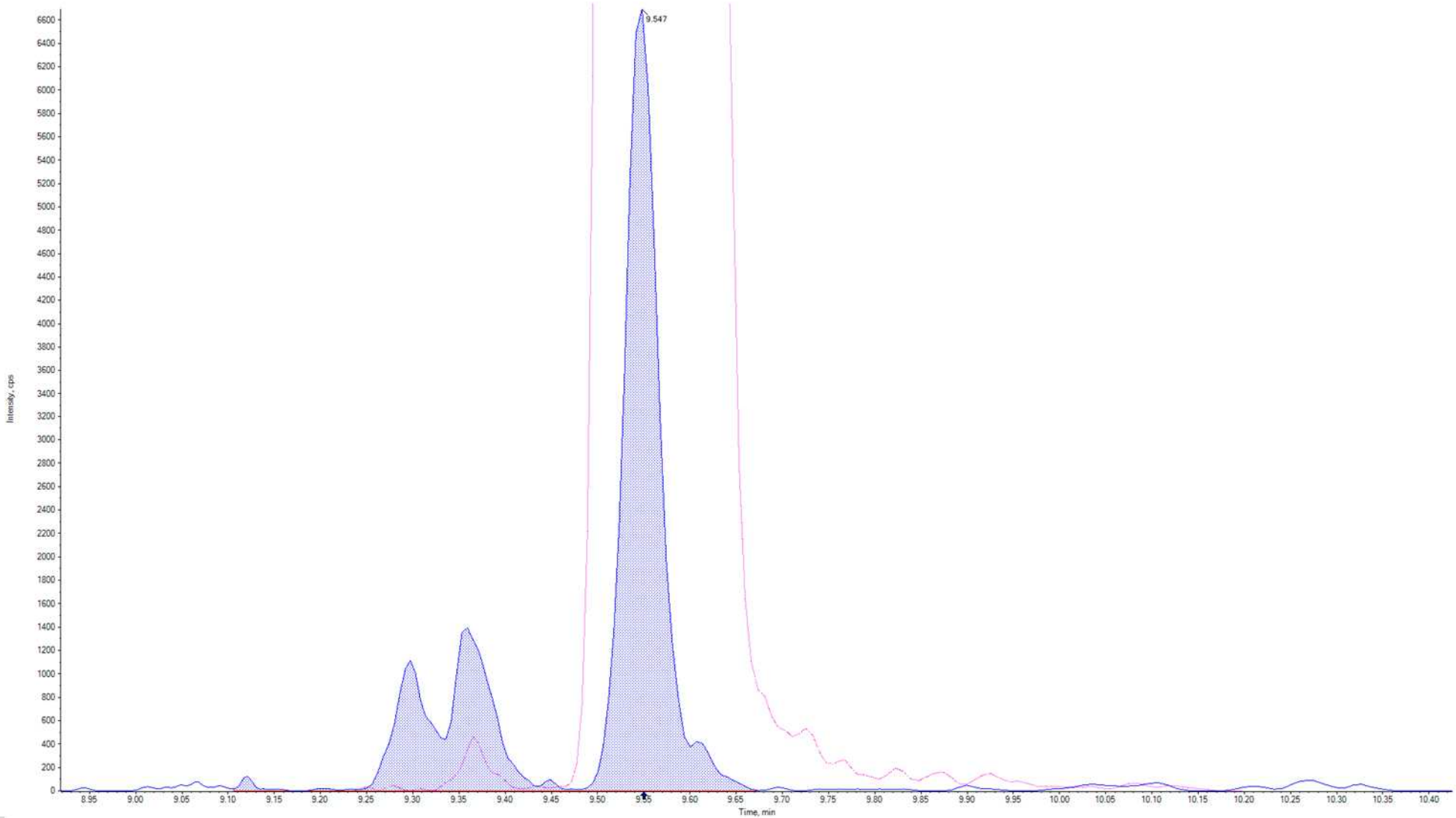
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-.1 S/N:466.5 Points Across peak:19



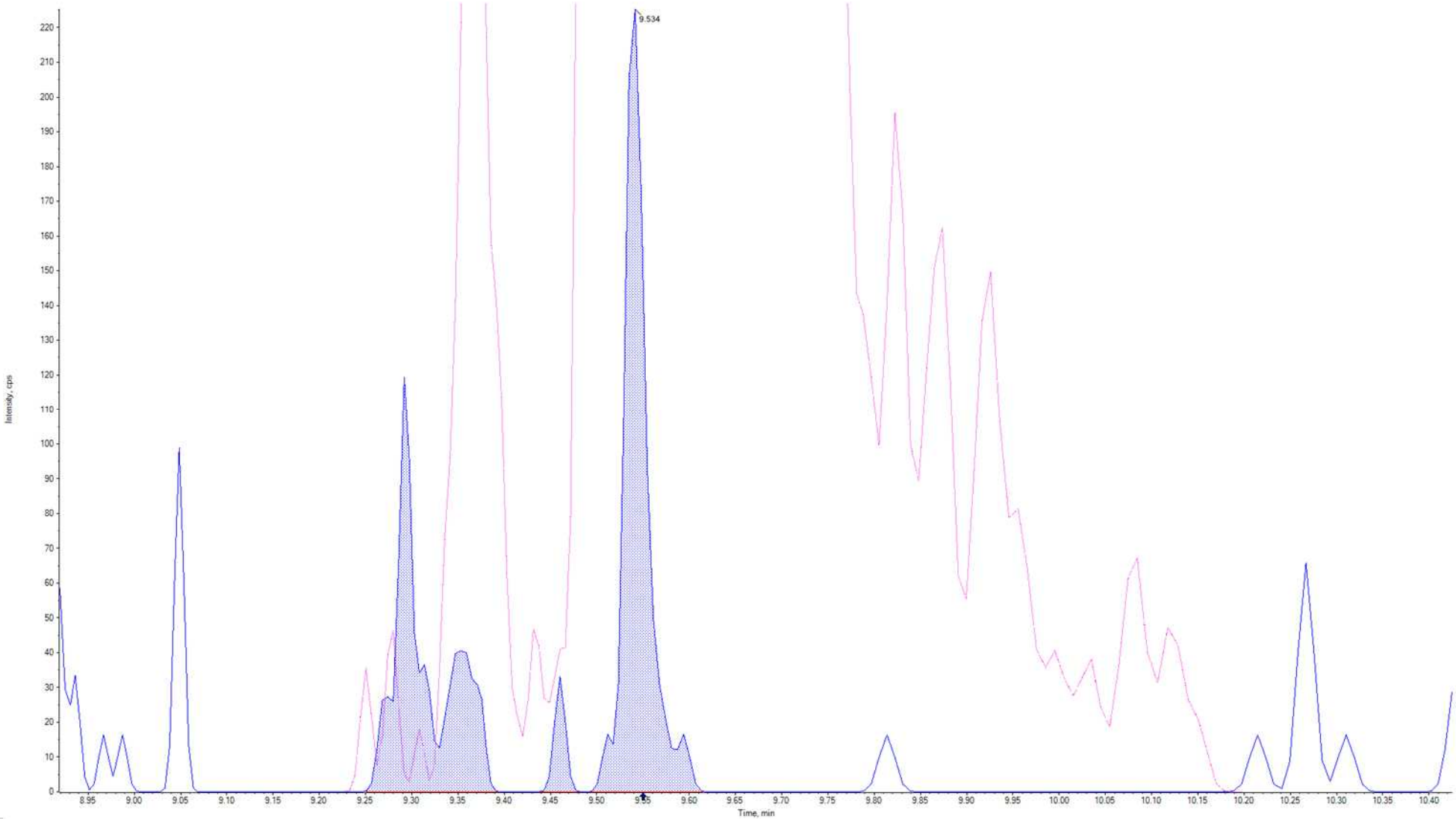
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-.1 S/N:479.8 Points Across peak:99



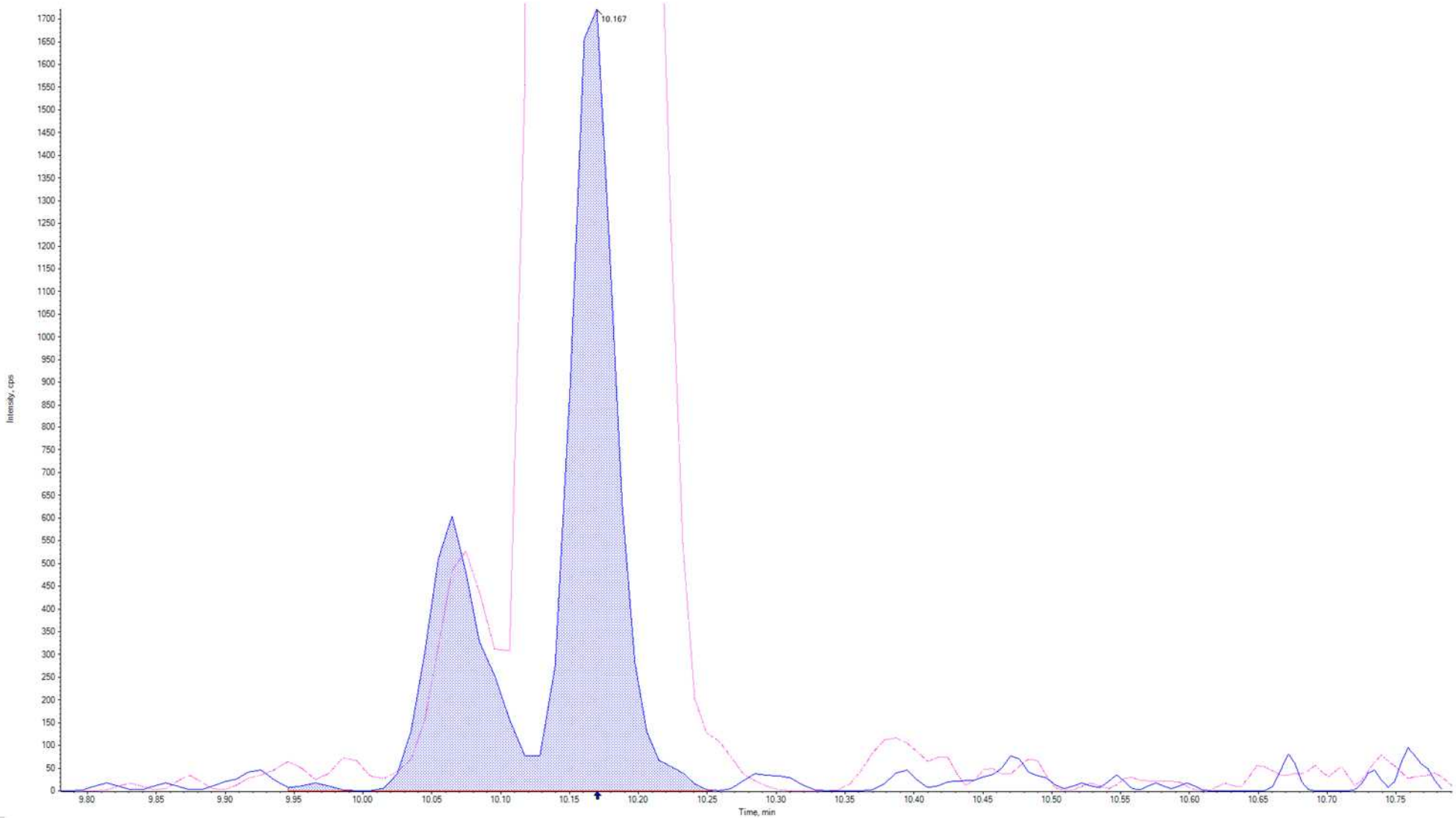
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-.1 S/N:1643.3 Points Across peak:64



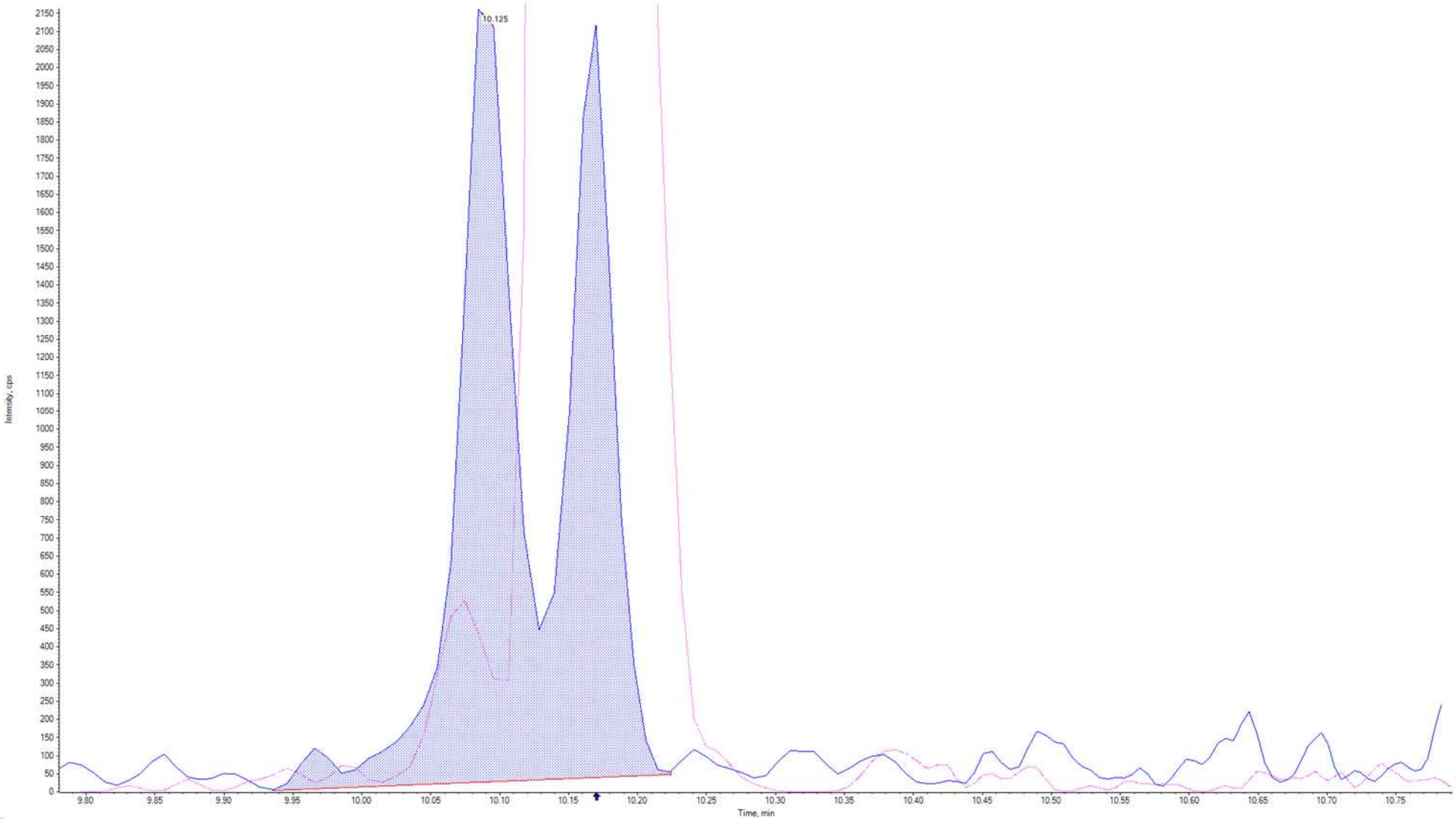
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-.1 S/N:598554.5 Points Across peak:34



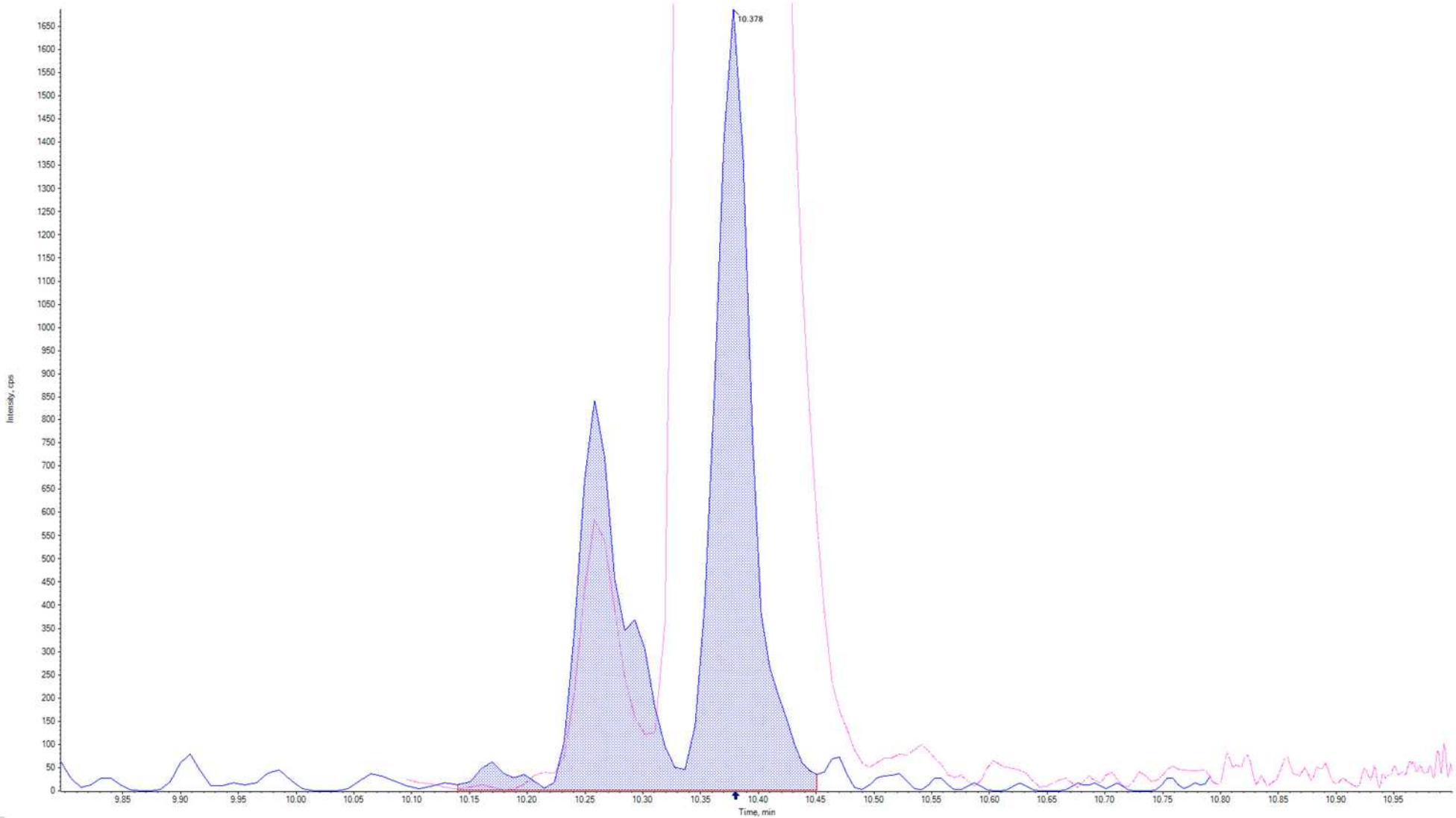
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-.1 S/N:182.7 Points Across peak:32



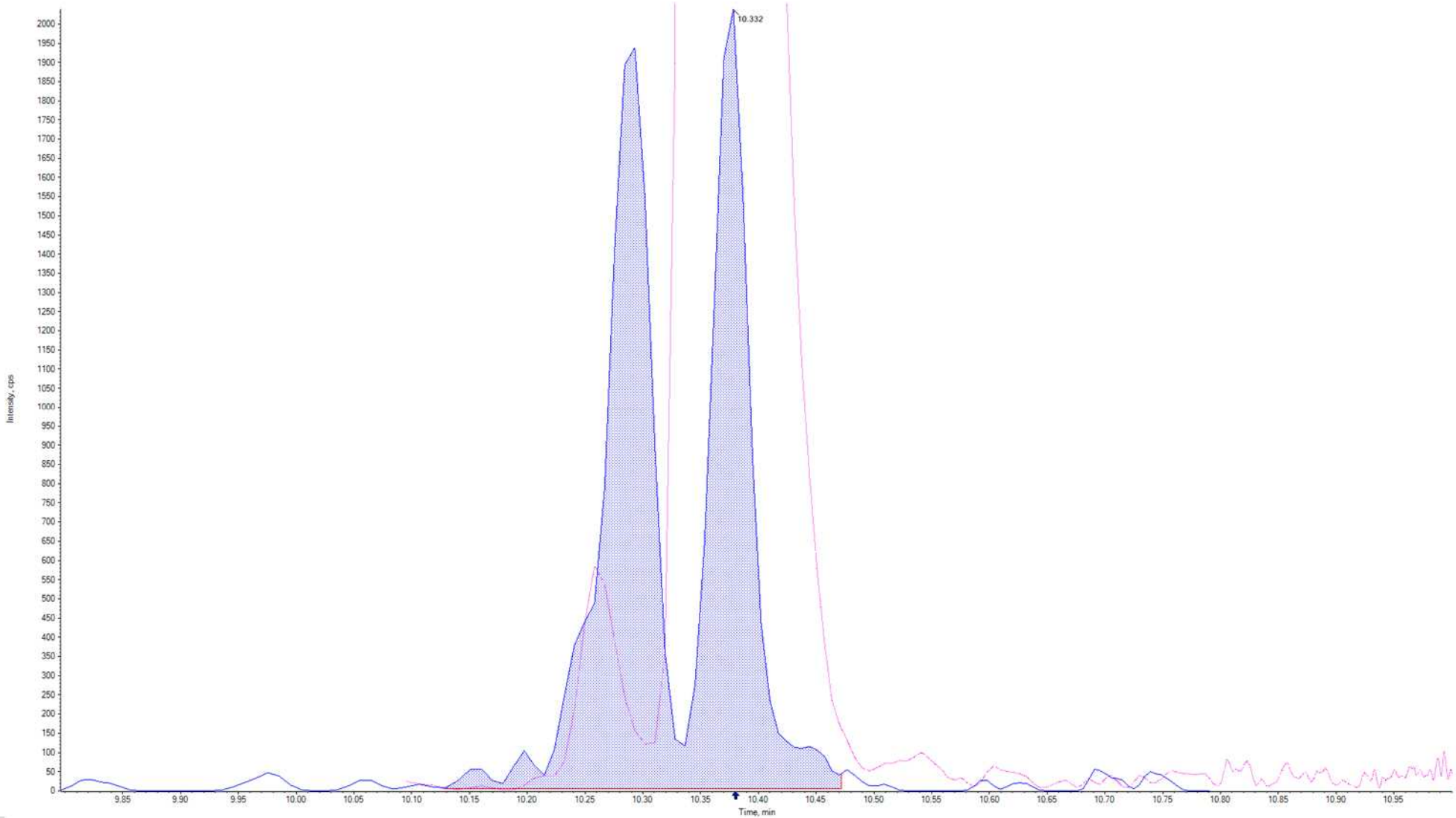
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-.1 S/N:8148.5 Points Across peak:39



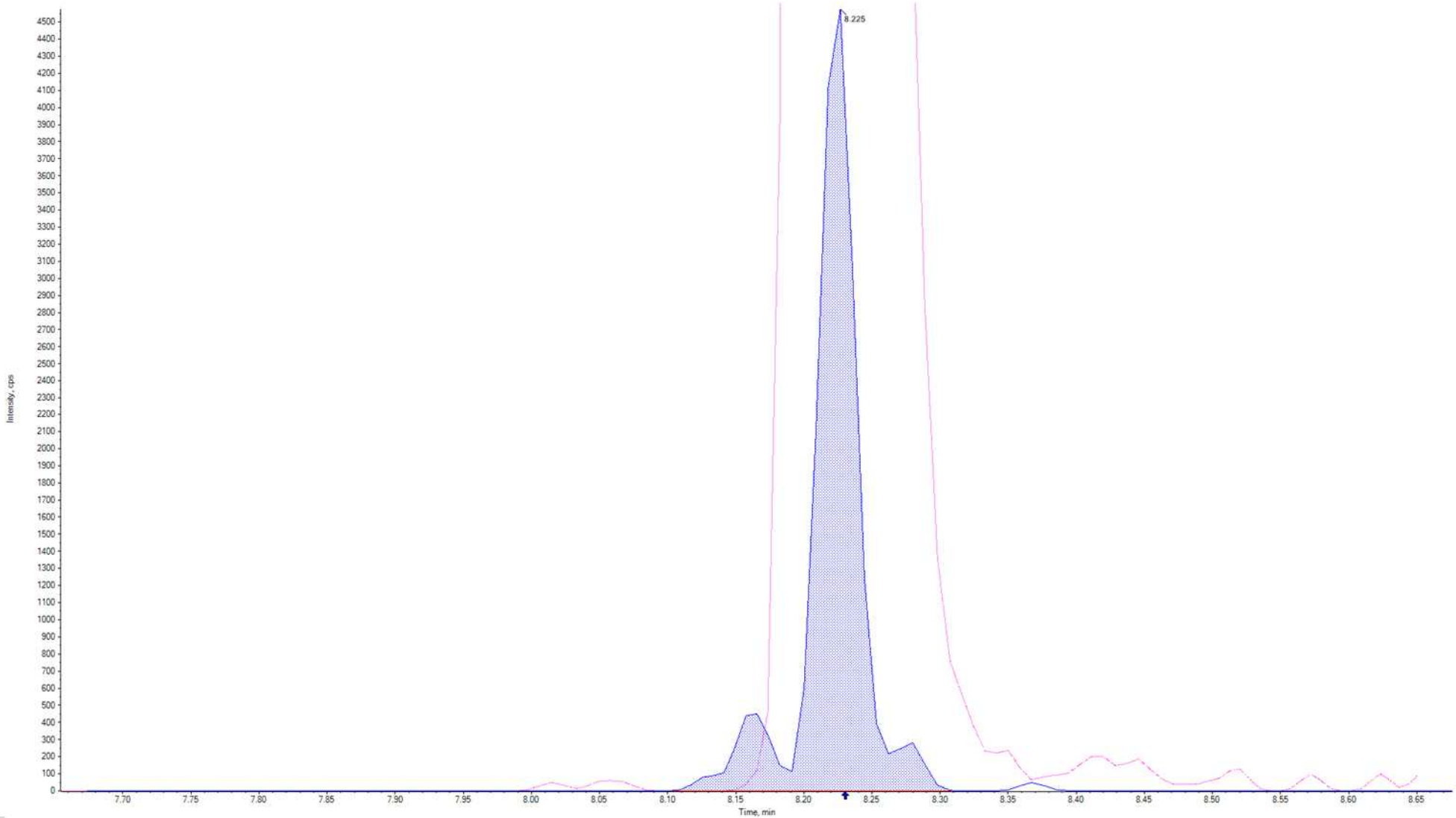
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-.1 S/N:171.8 Points Across peak:44



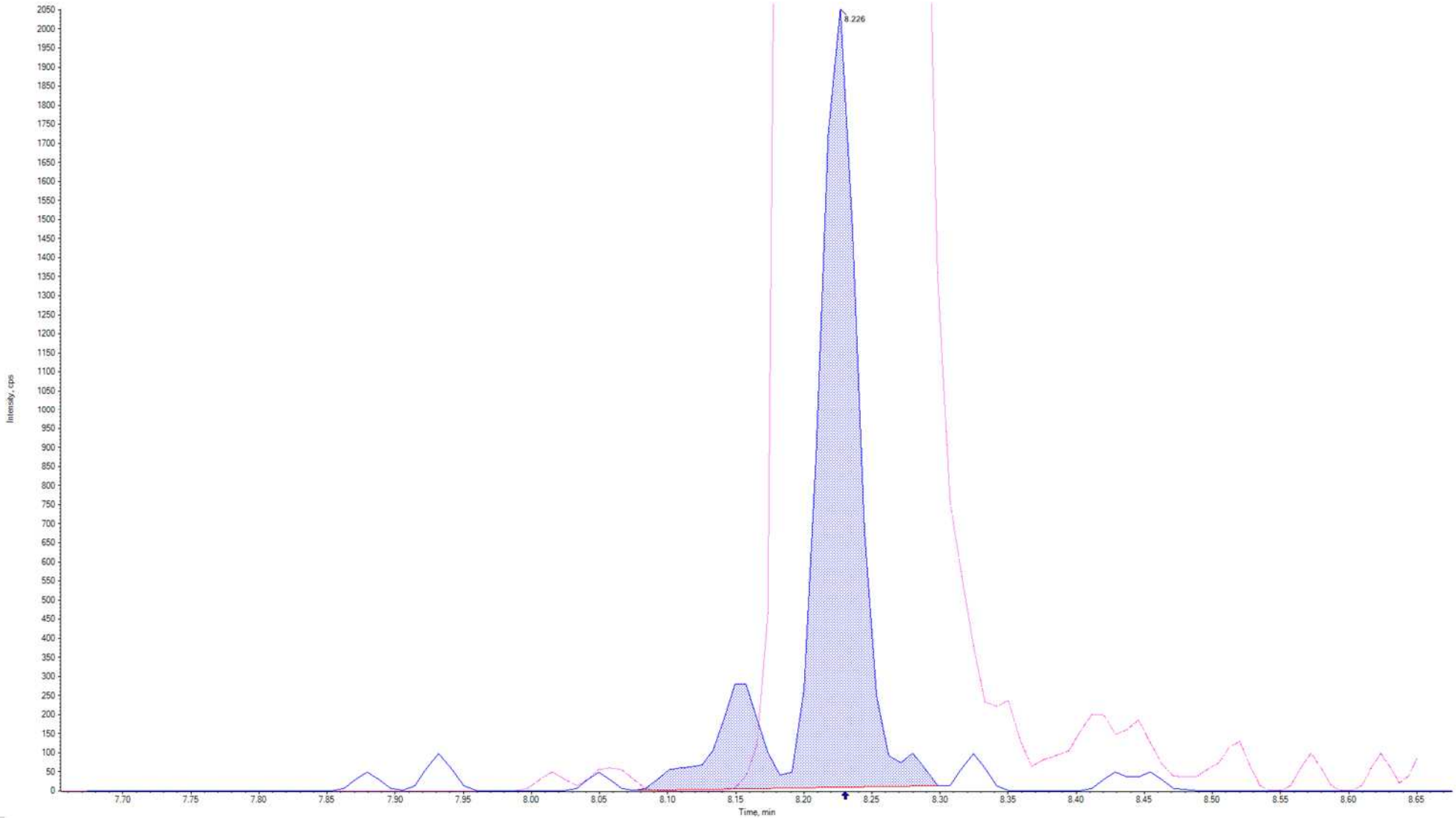
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-.1 S/N:29422.4 Points Across peak:27



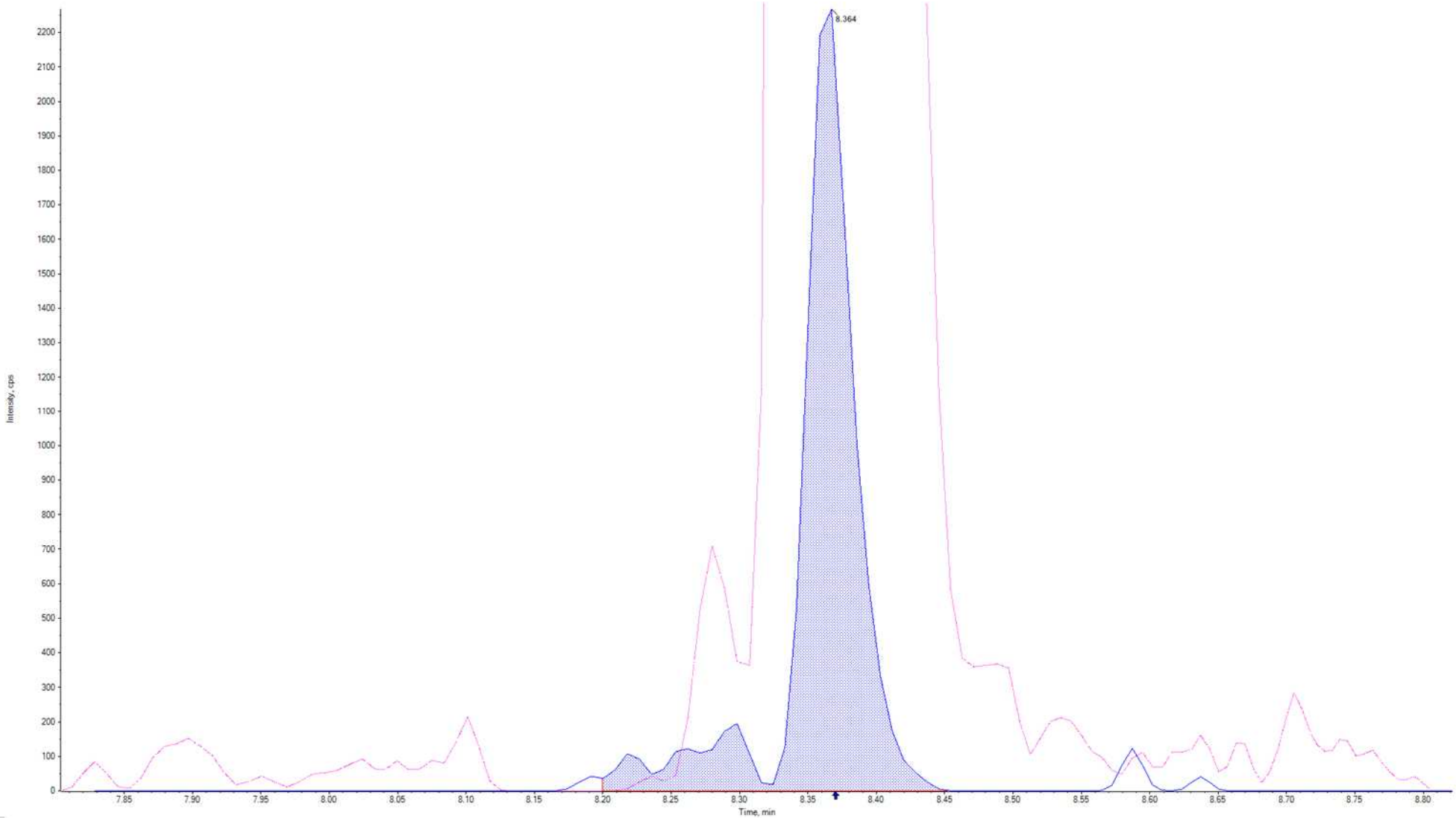
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-.1 S/N:134.7 Points Across peak:28



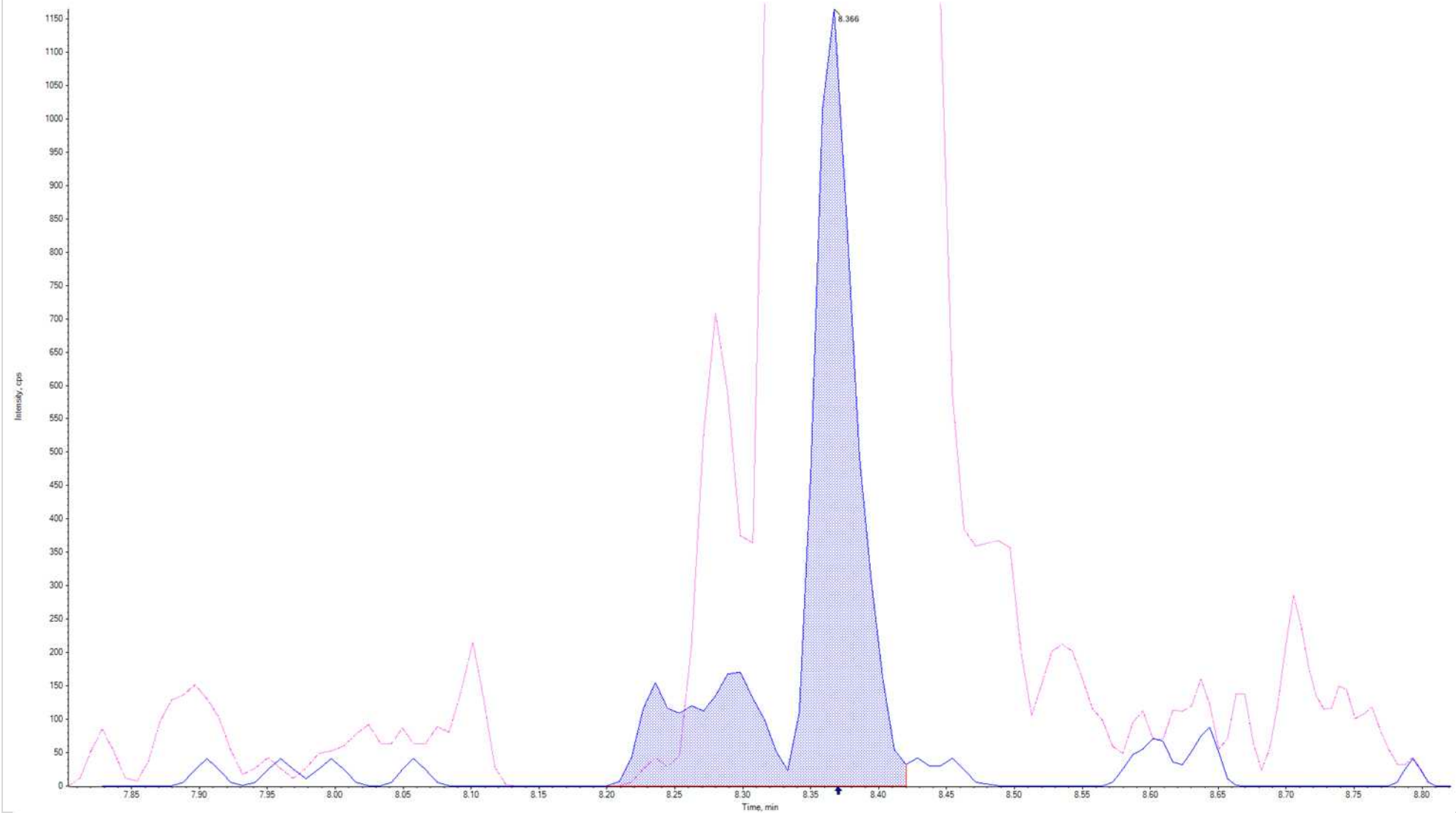
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-.1 S/N:349.4 Points Across peak:31



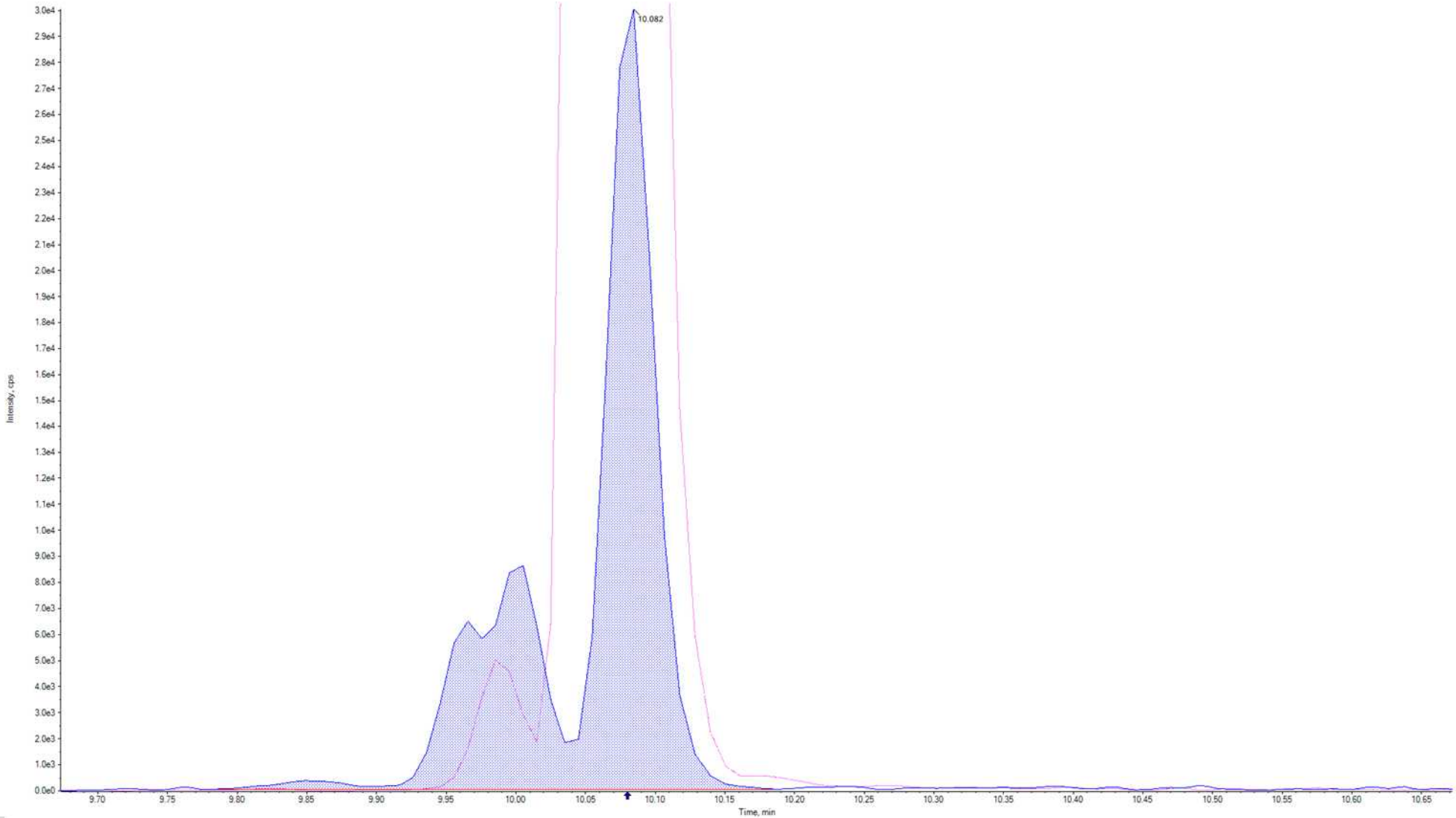
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-.1 S/N:90.1 Points Across peak:27



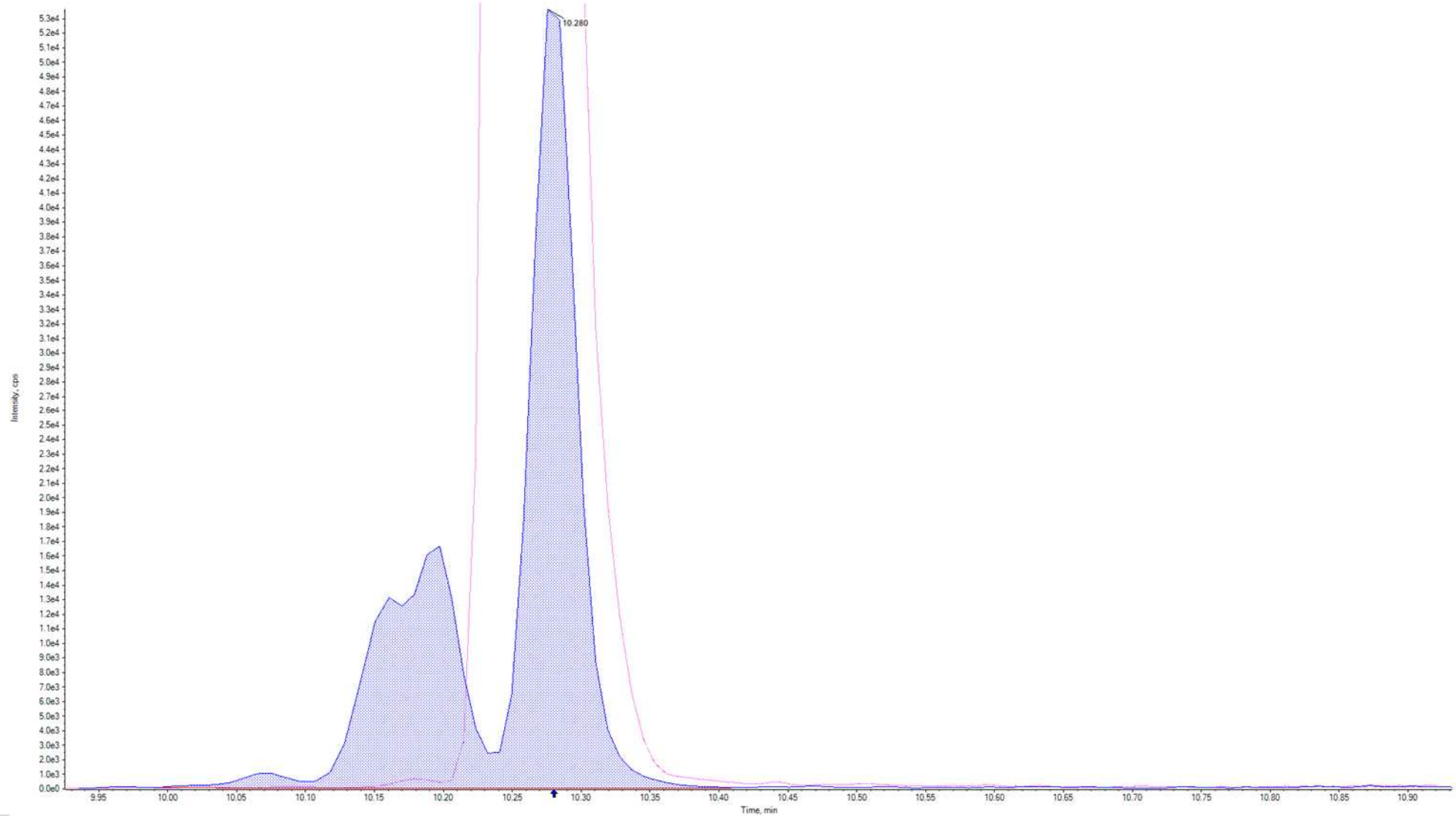
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-.1 S/N:1786.9 Points Across peak:45



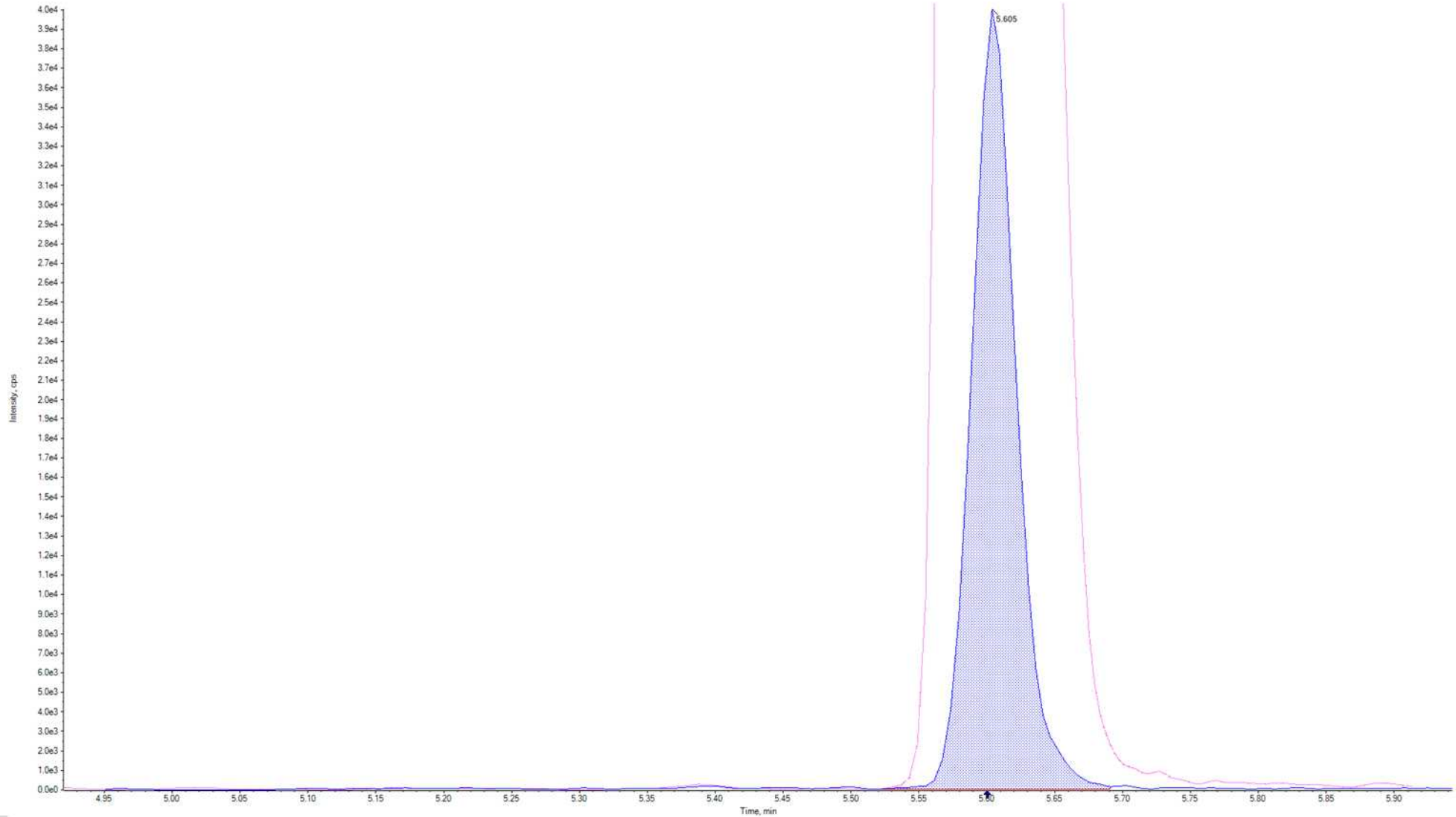
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-.1 S/N:1226.2 Points Across peak:47



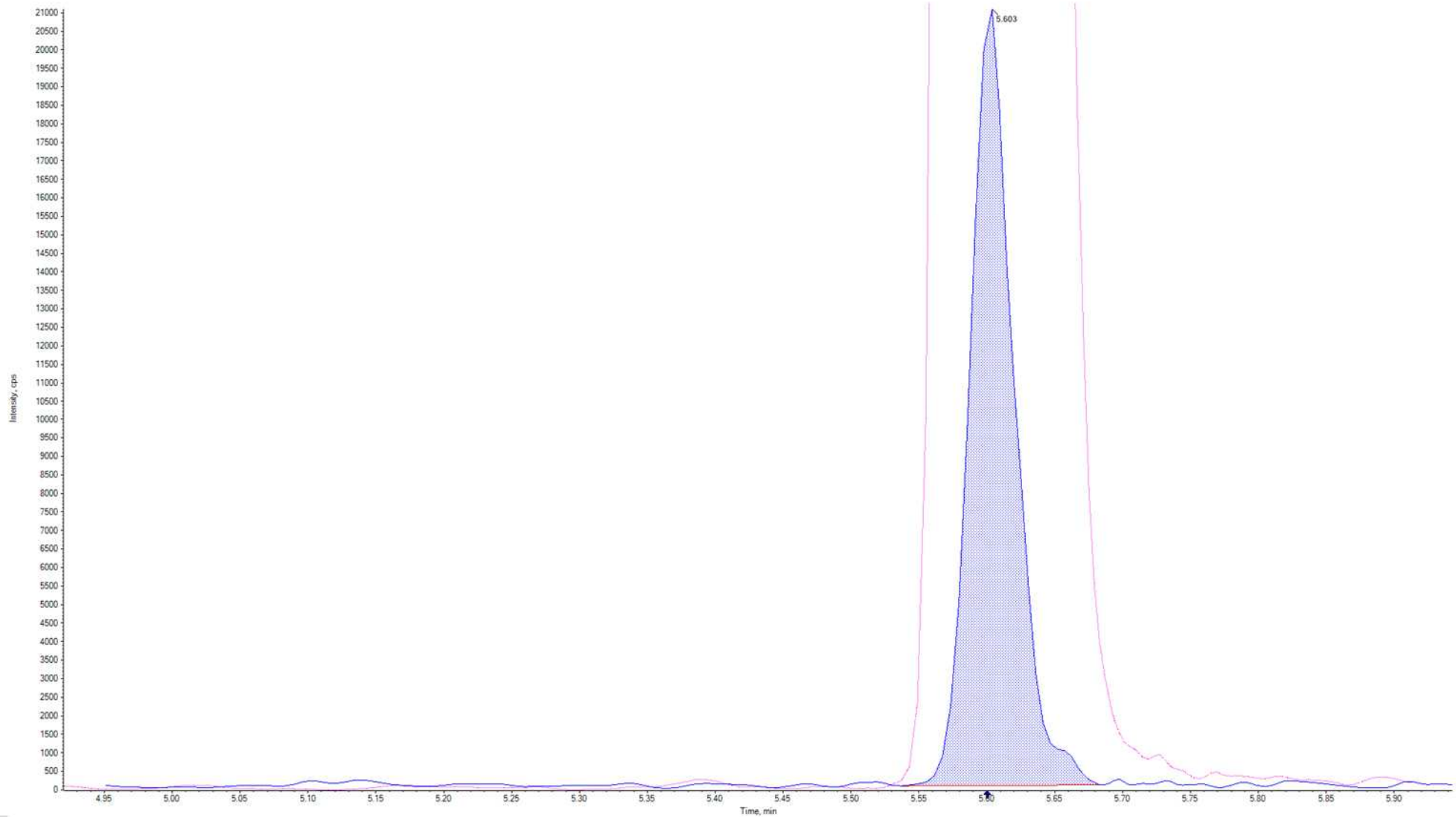
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-.1 S/N:20278.9 Points Across peak:33



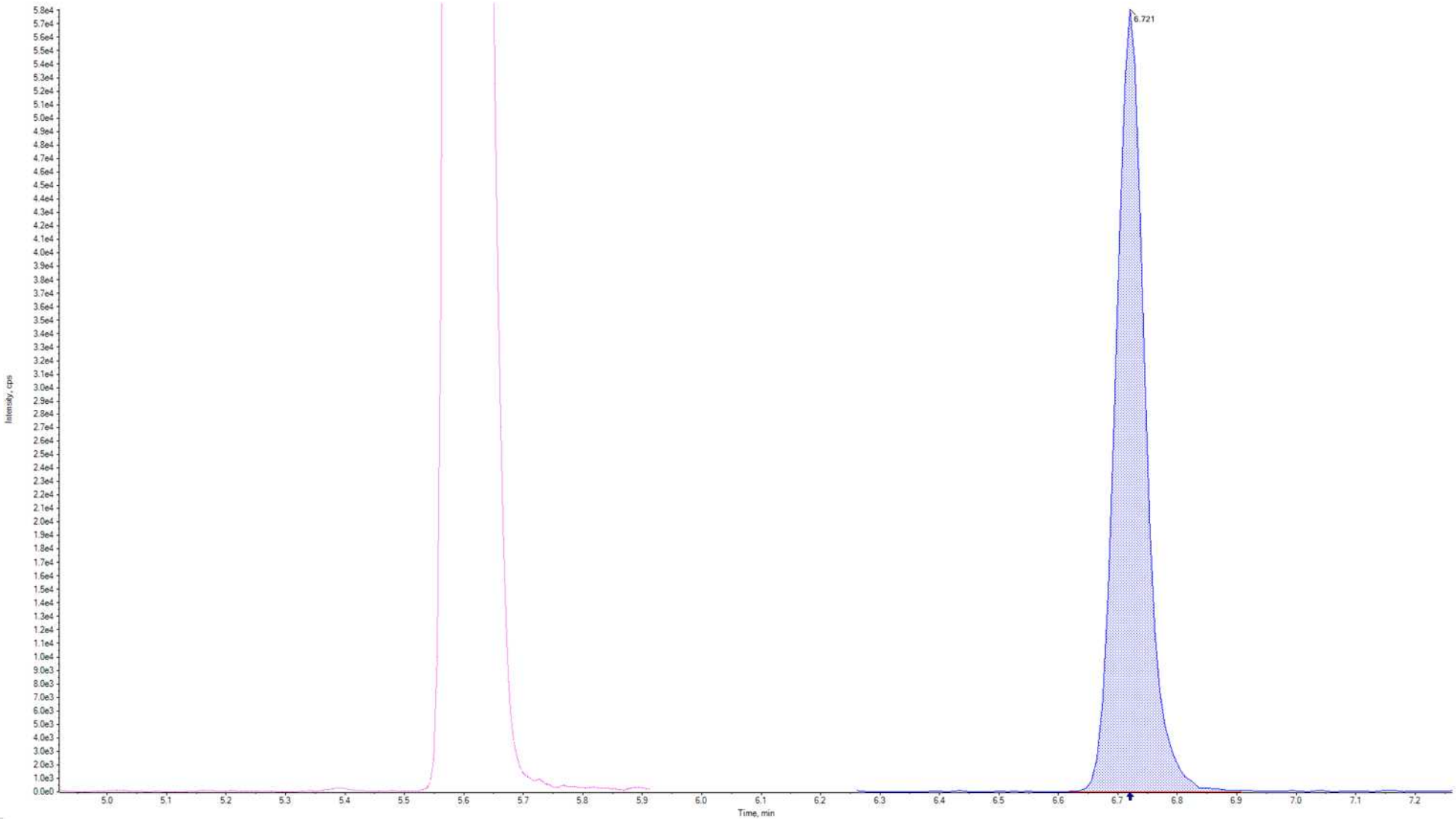
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-.1 S/N:955.7 Points Across peak:29



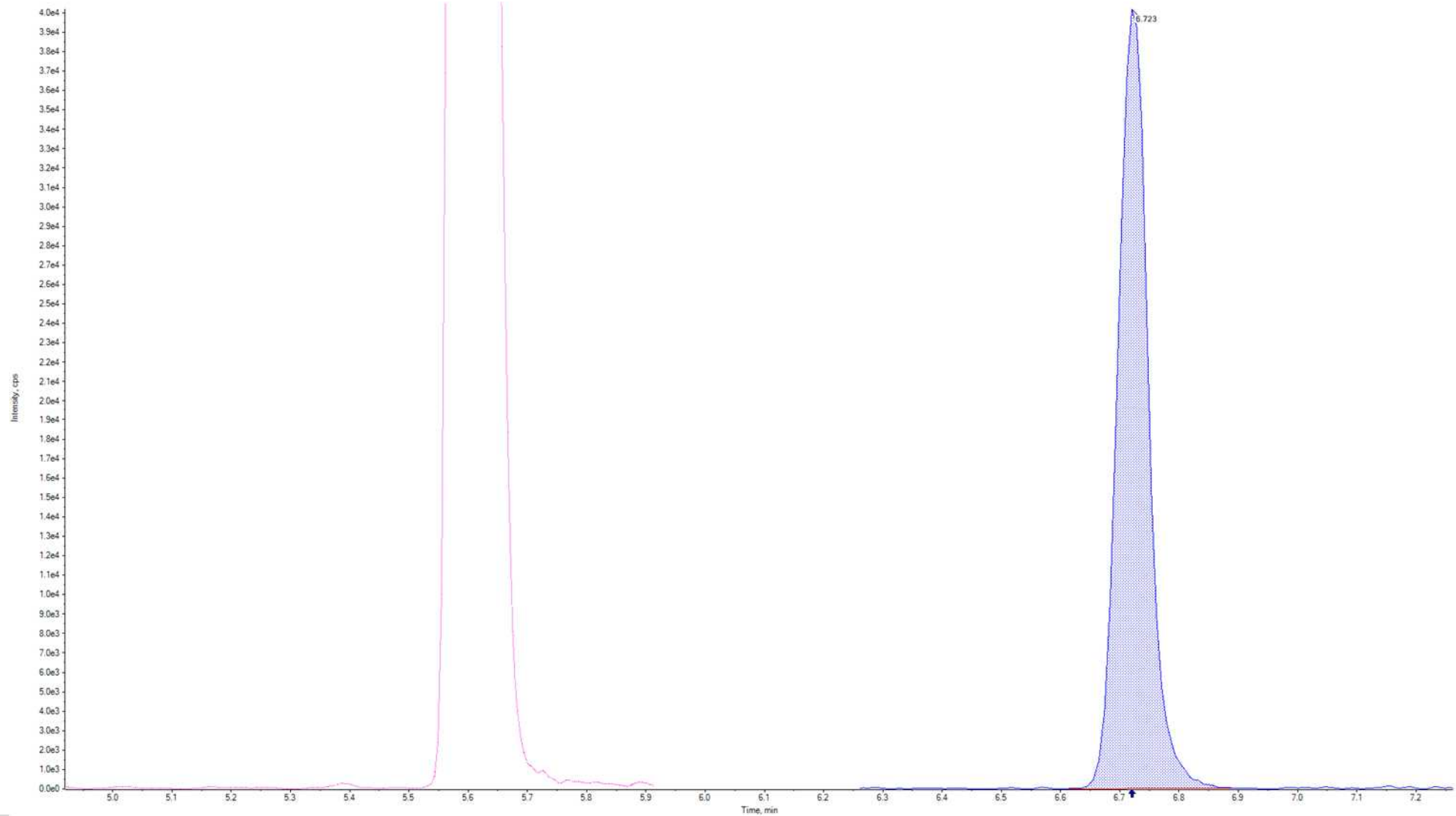
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-.1 S/N:25324.8 Points Across peak:41



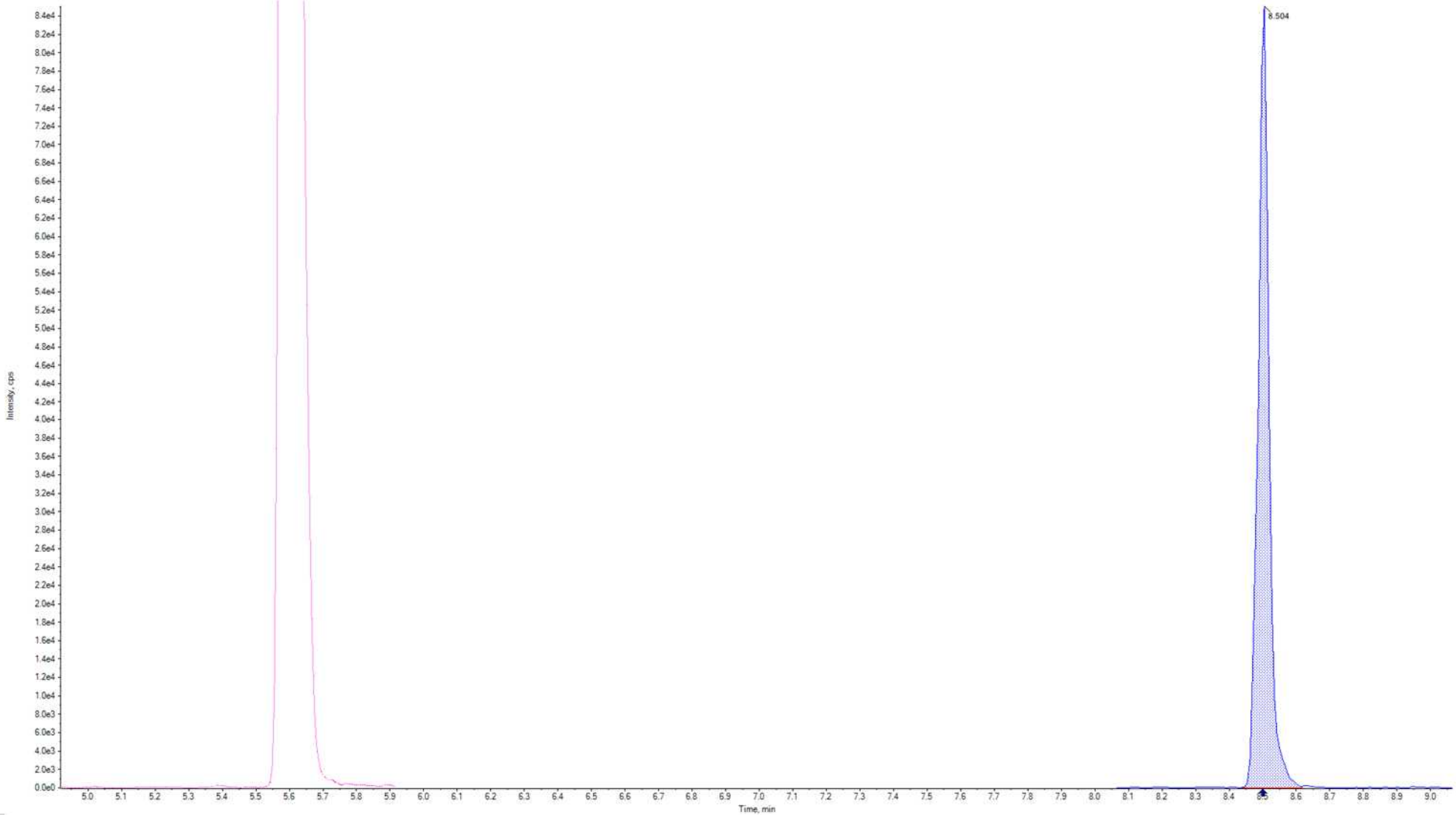
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-.1 S/N:16174.6 Points Across peak:41



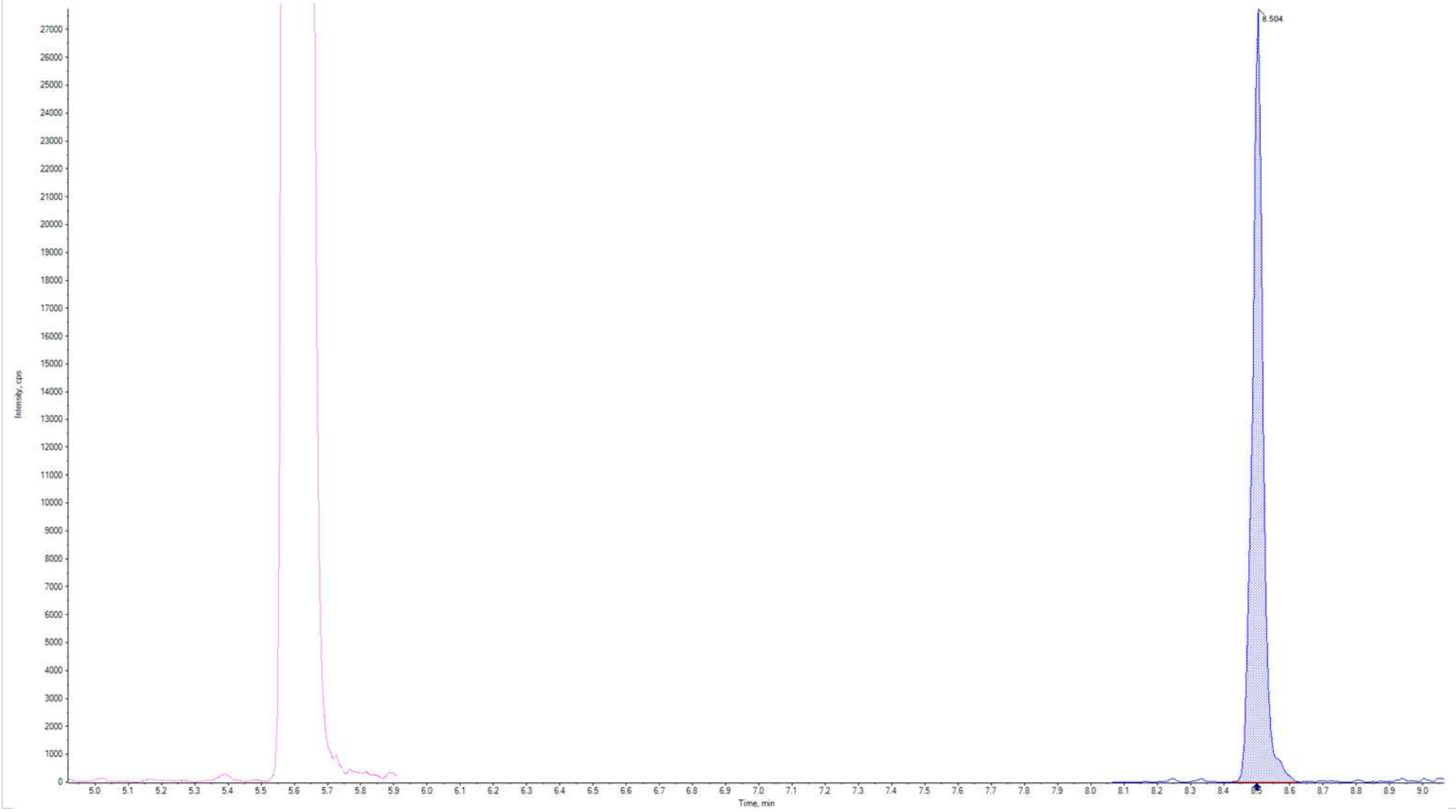
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-.1 S/N:856461.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-.1 S/N:1231.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

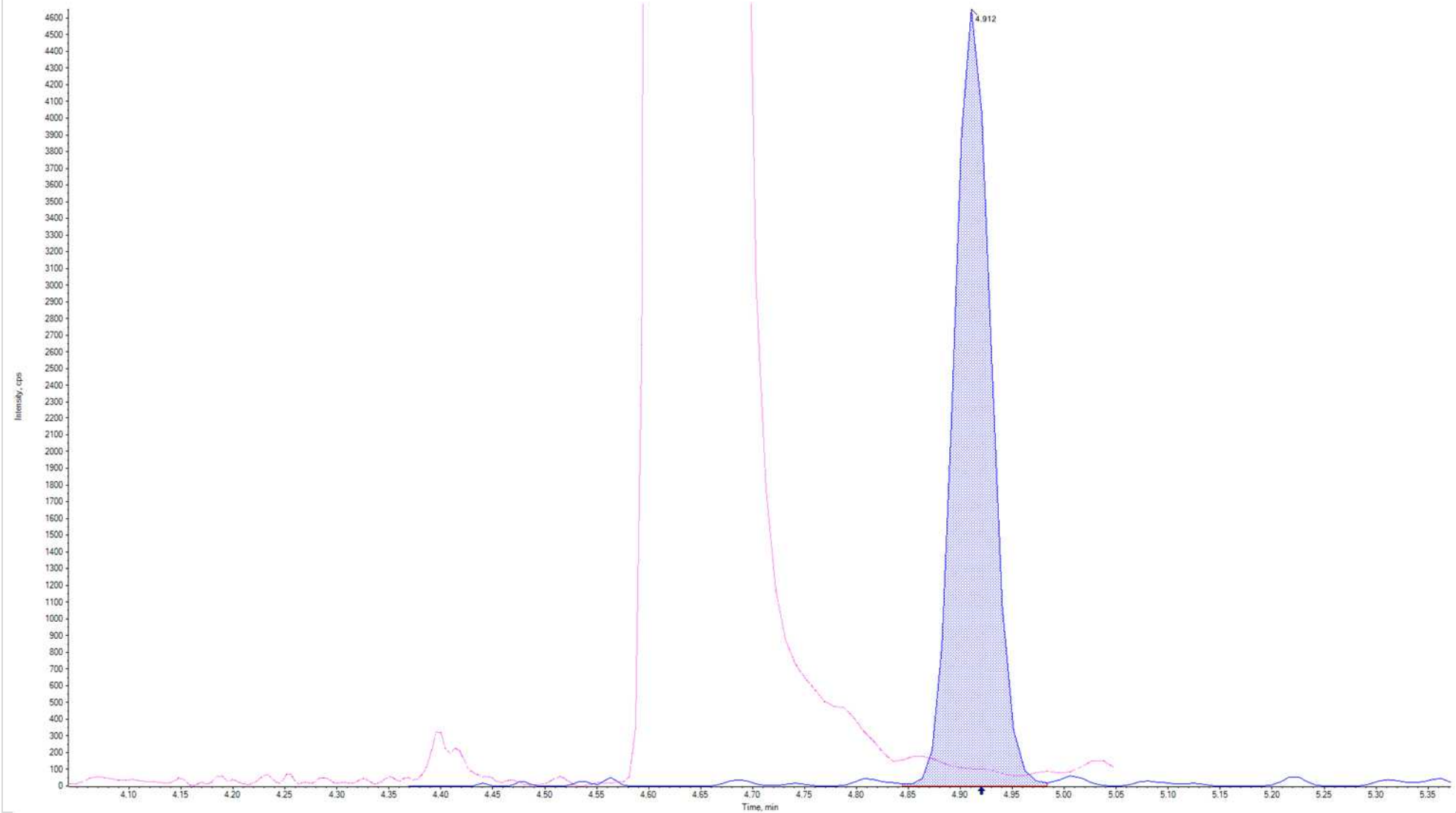
11Cl-PF3OUdS
Sample: IA1633STD-.1 S/N:1958.1 Points Across peak:31

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-.1 S/N:512052.5 Points Across peak:36

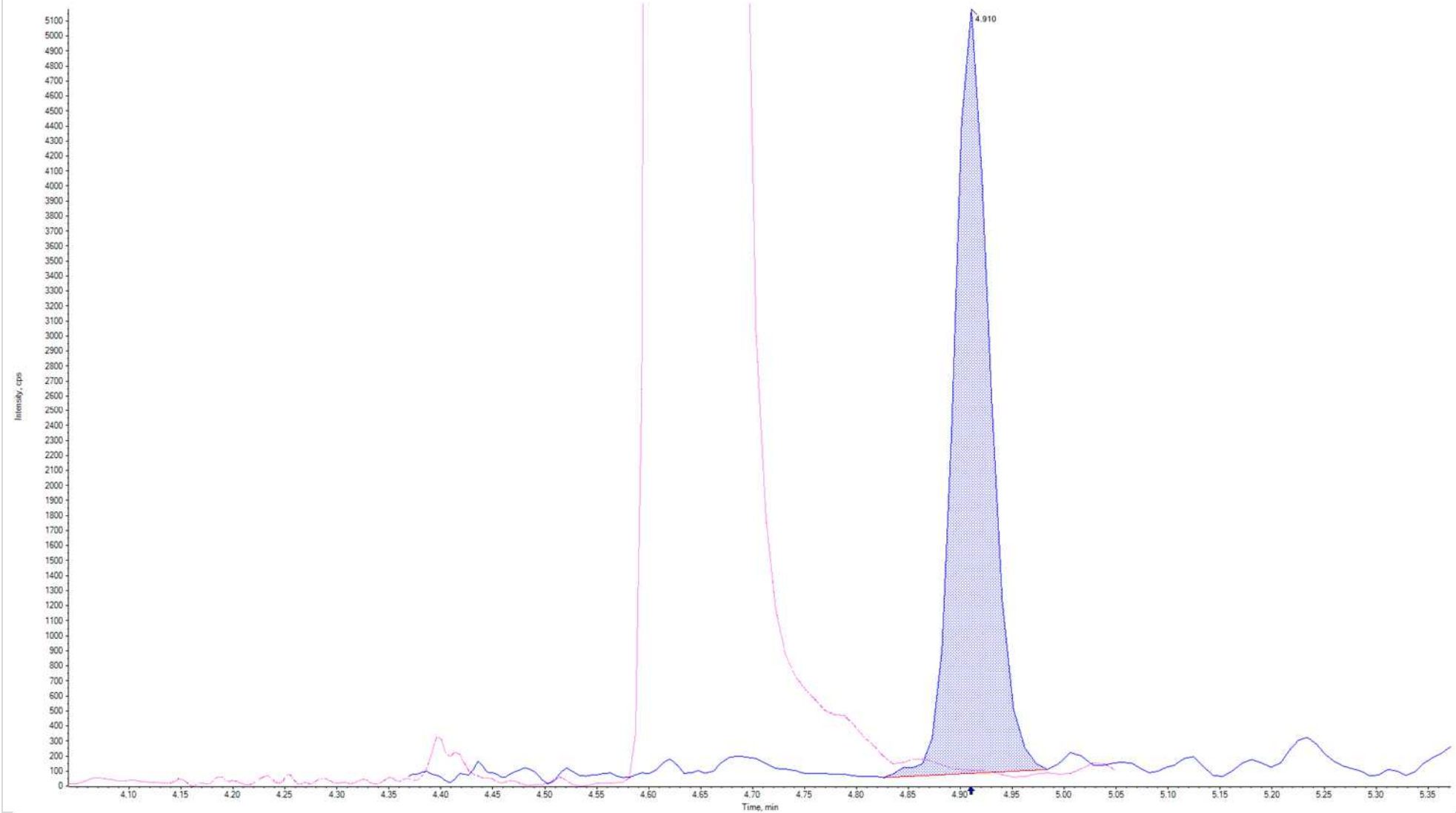
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-.1 S/N:548.7 Points Across peak:15



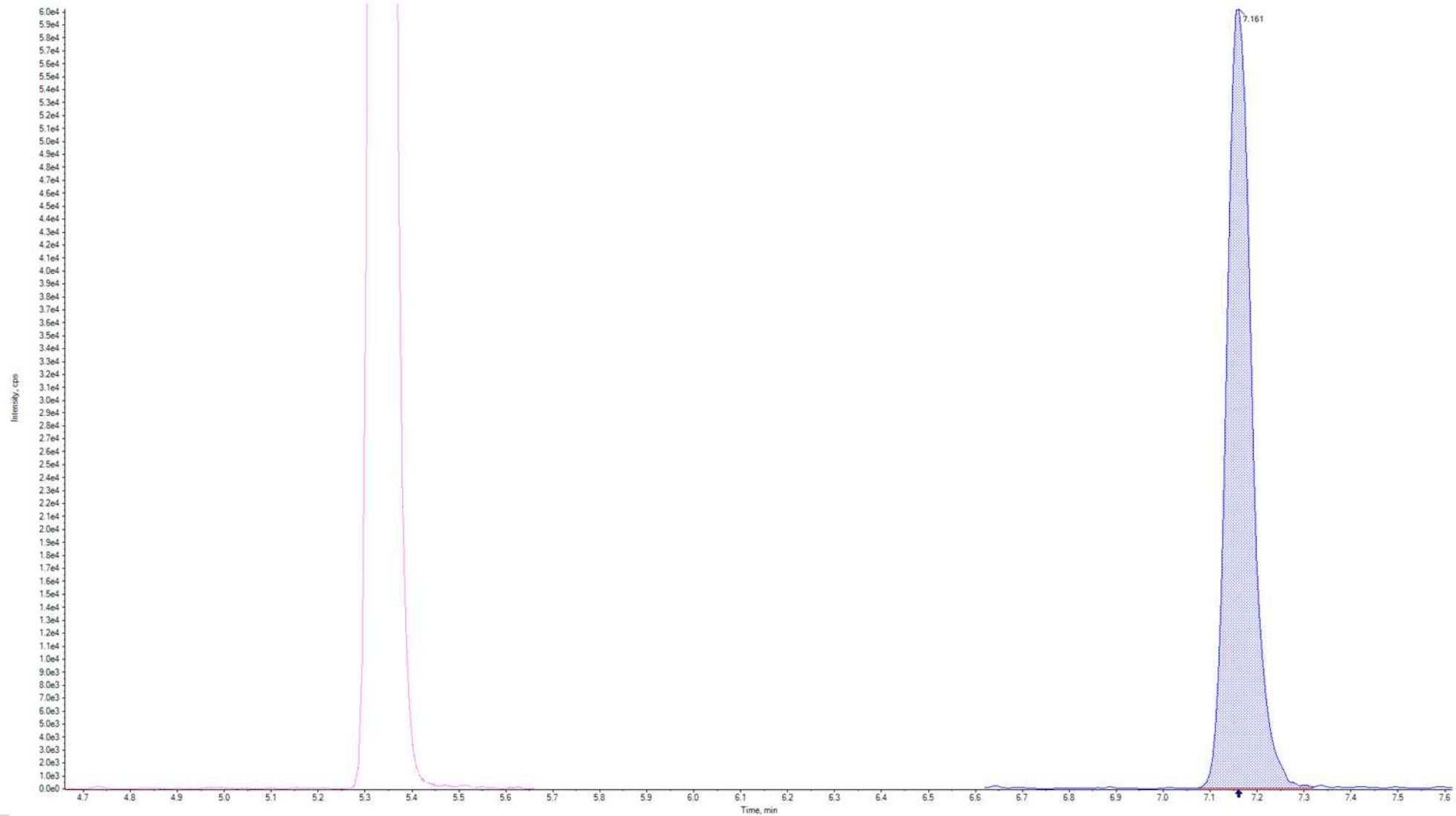
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-.1 S/N:401.8 Points Across peak:17



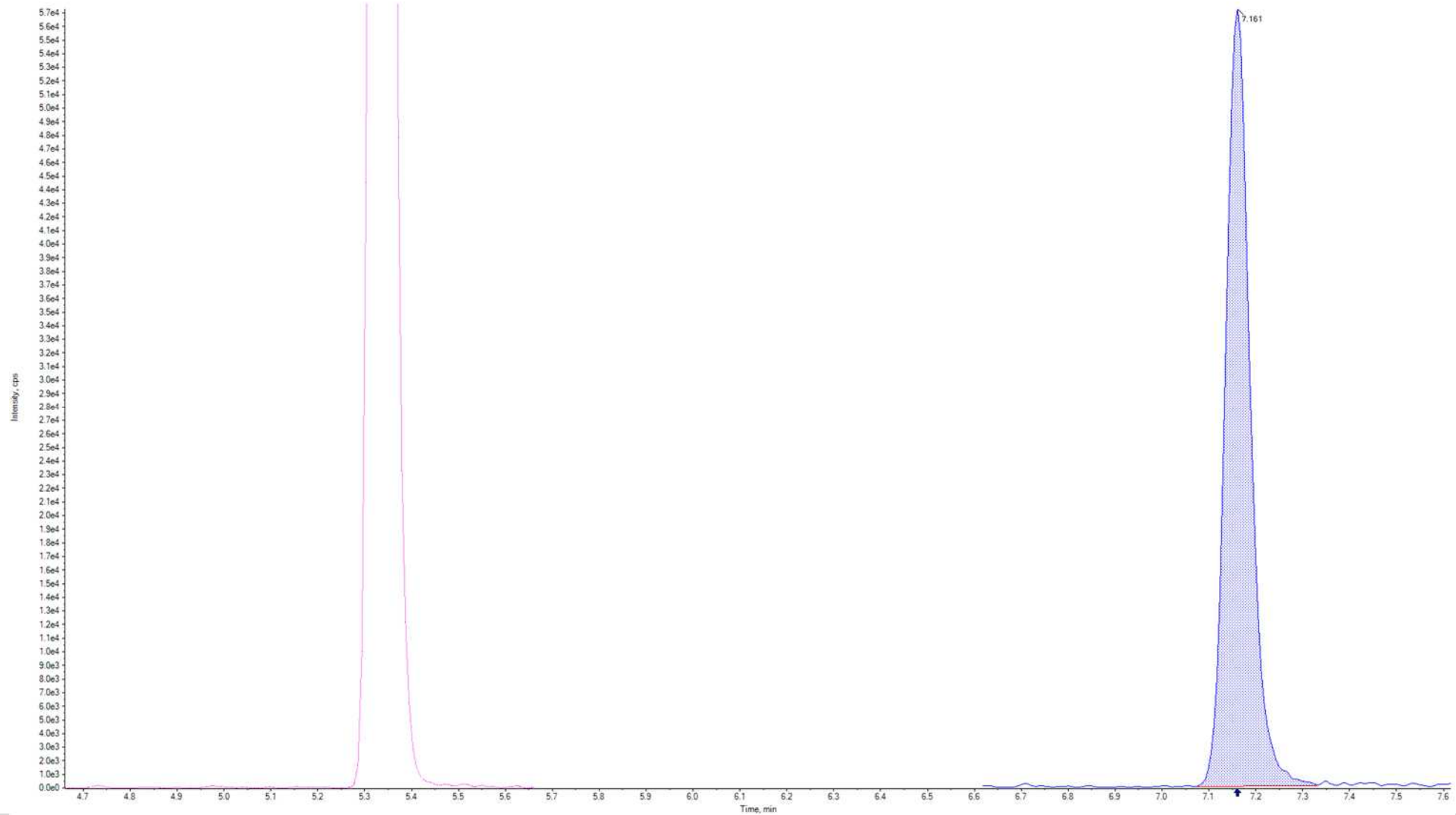
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-.1 S/N:7438.4 Points Across peak:43



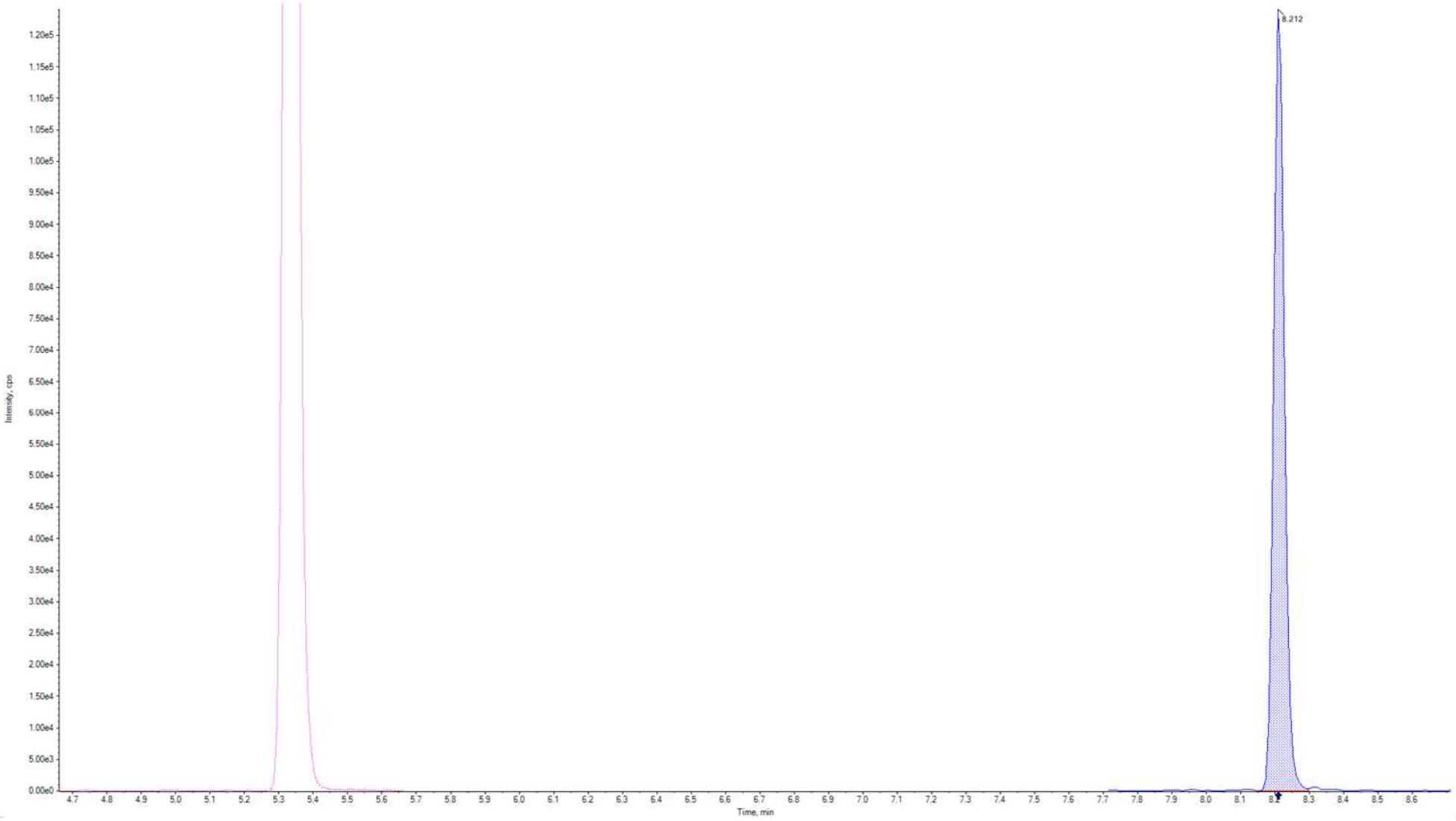
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-.1 S/N:2008.3 Points Across peak:45



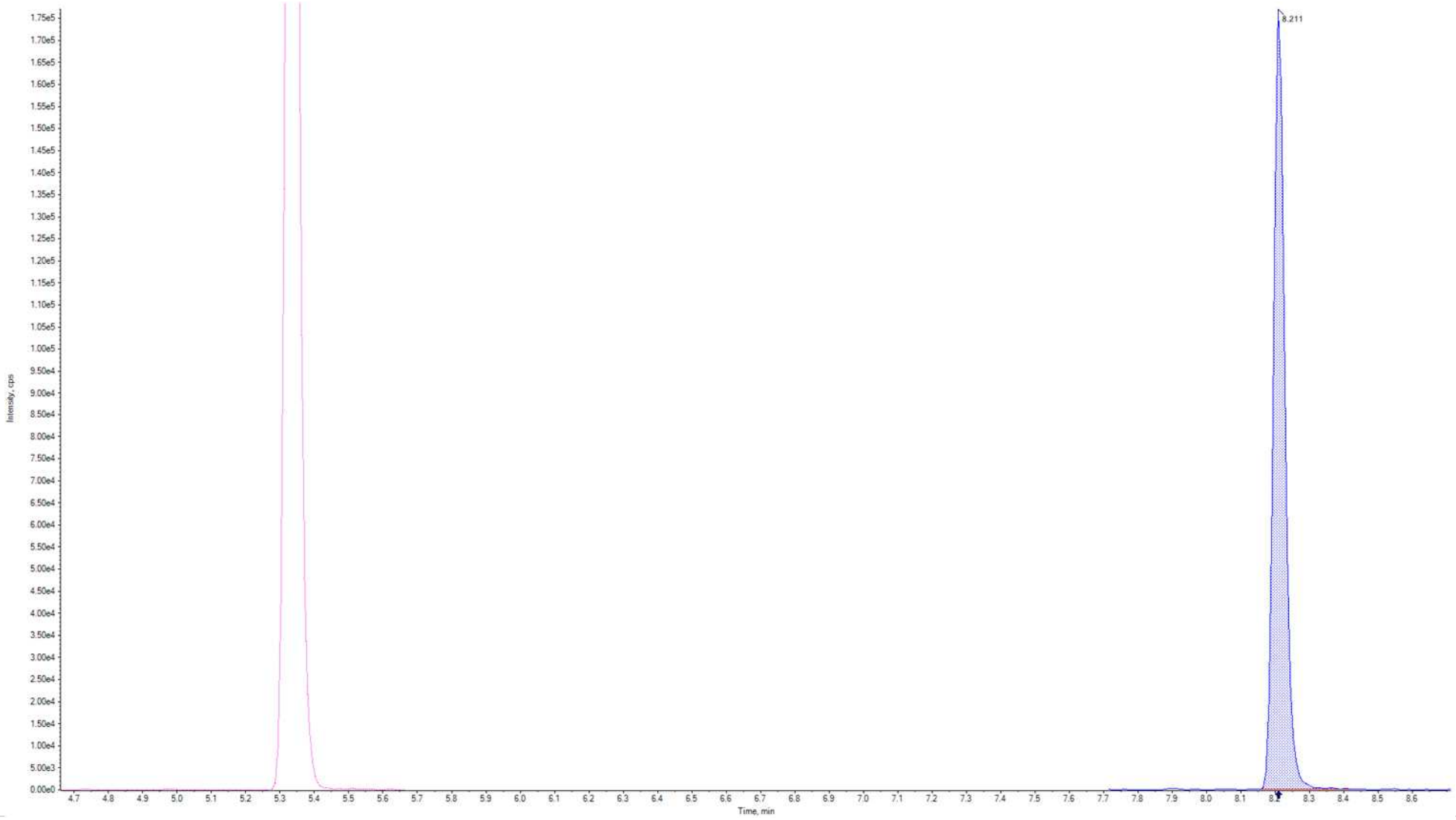
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-.1 S/N:816971.6 Points Across peak:18



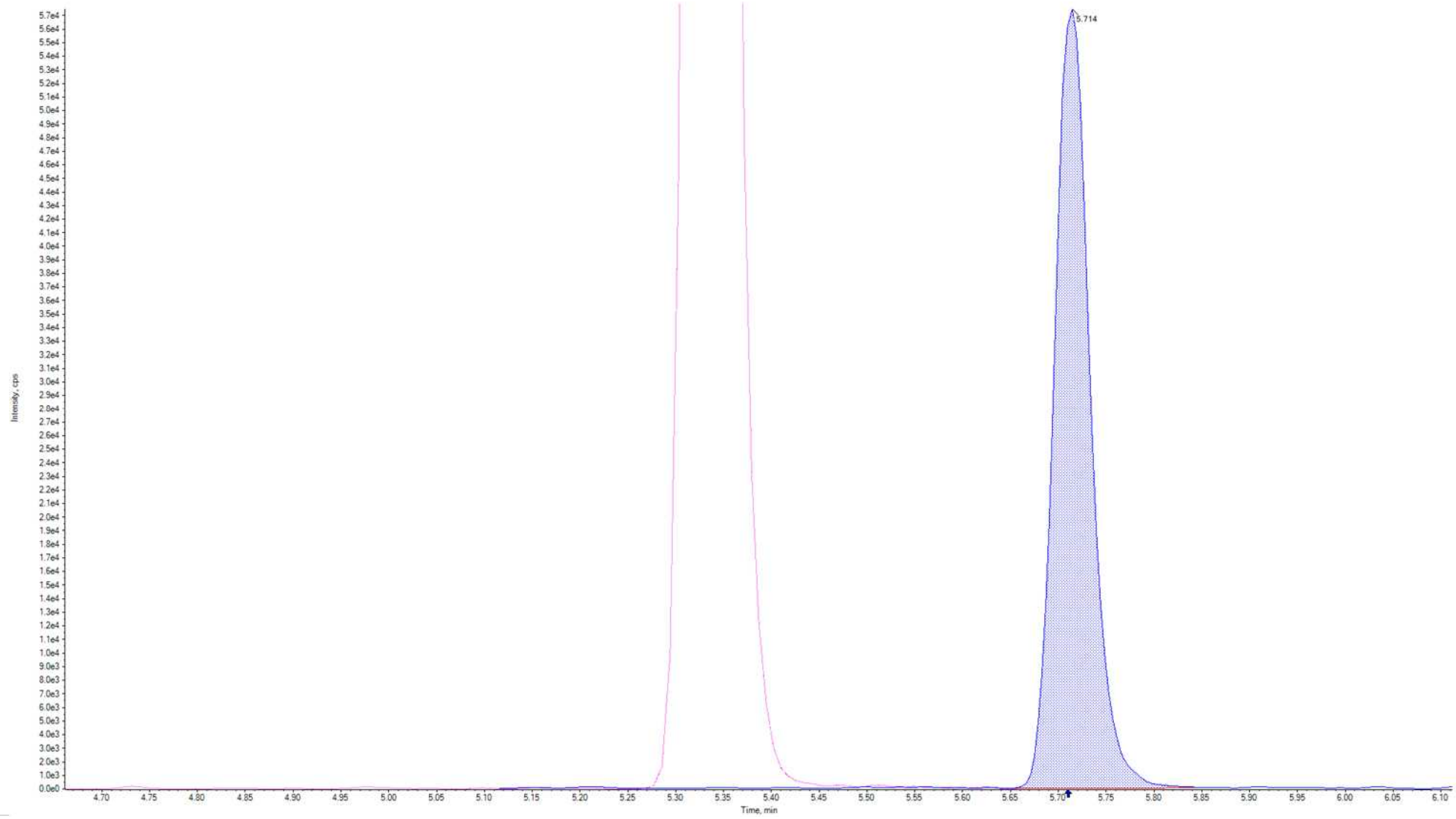
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-.1 S/N:8313.5 Points Across peak:34



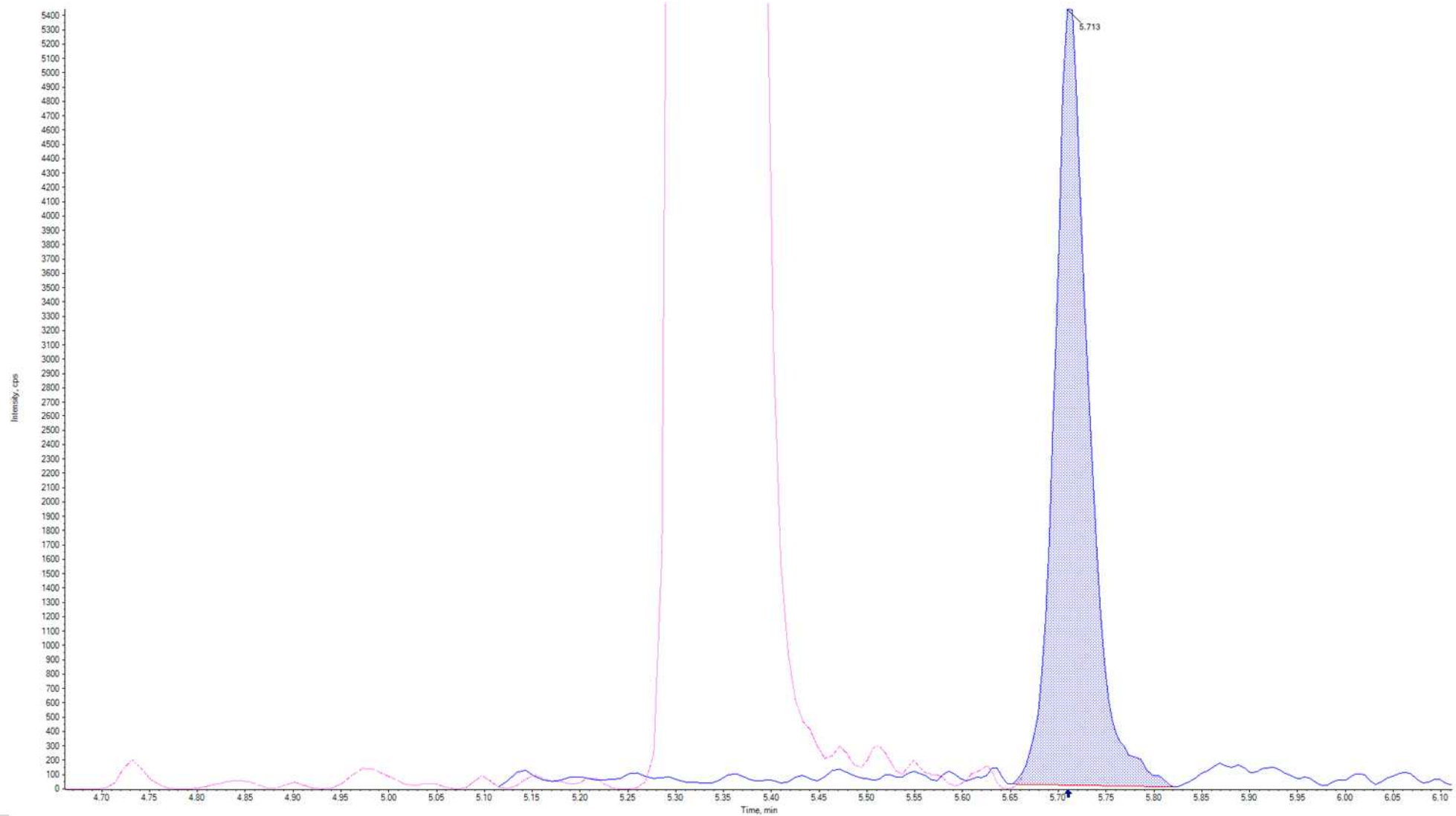
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-.1 S/N:3071.2 Points Across peak:44



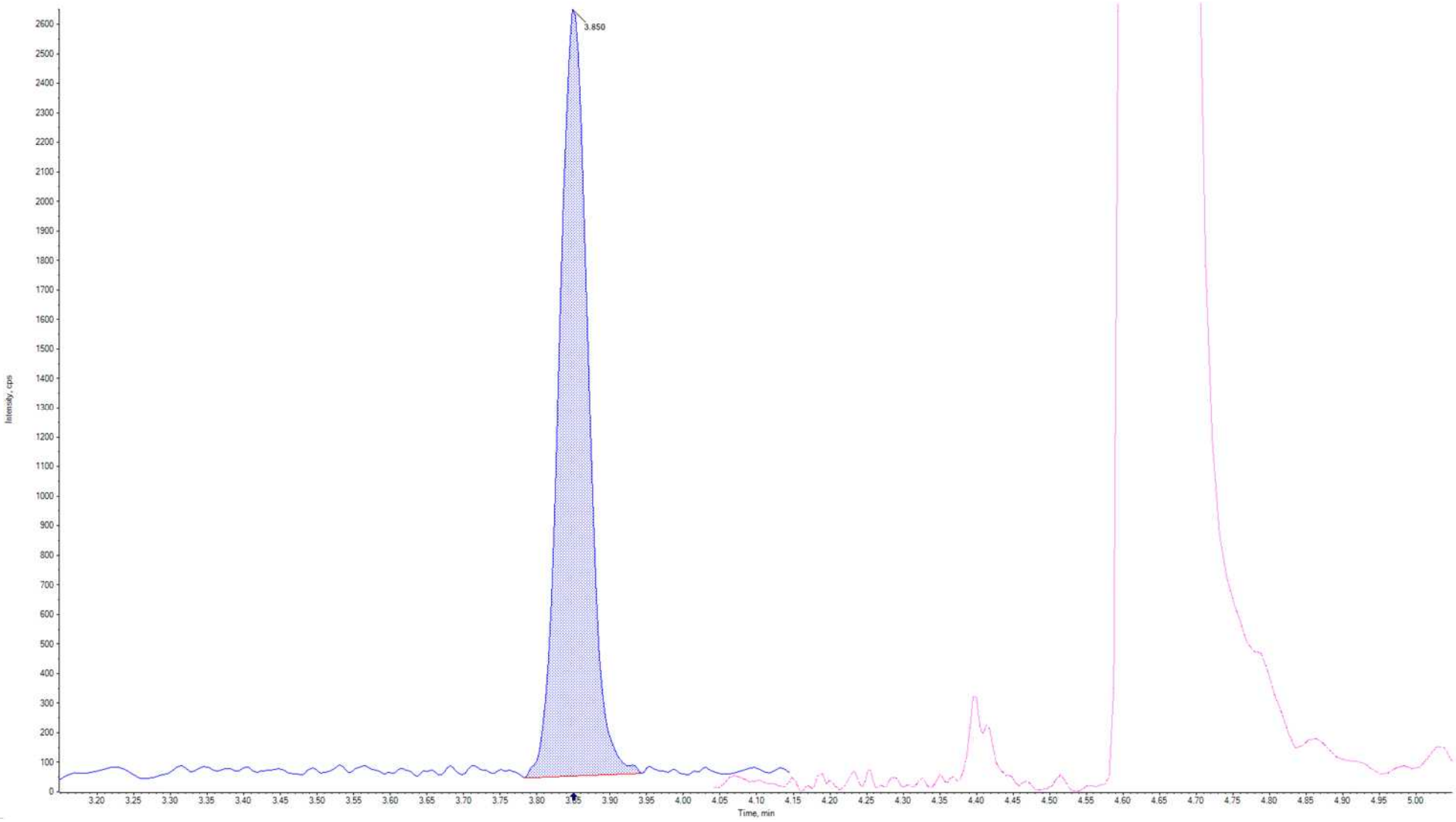
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-.1 S/N:604.0 Points Across peak:38



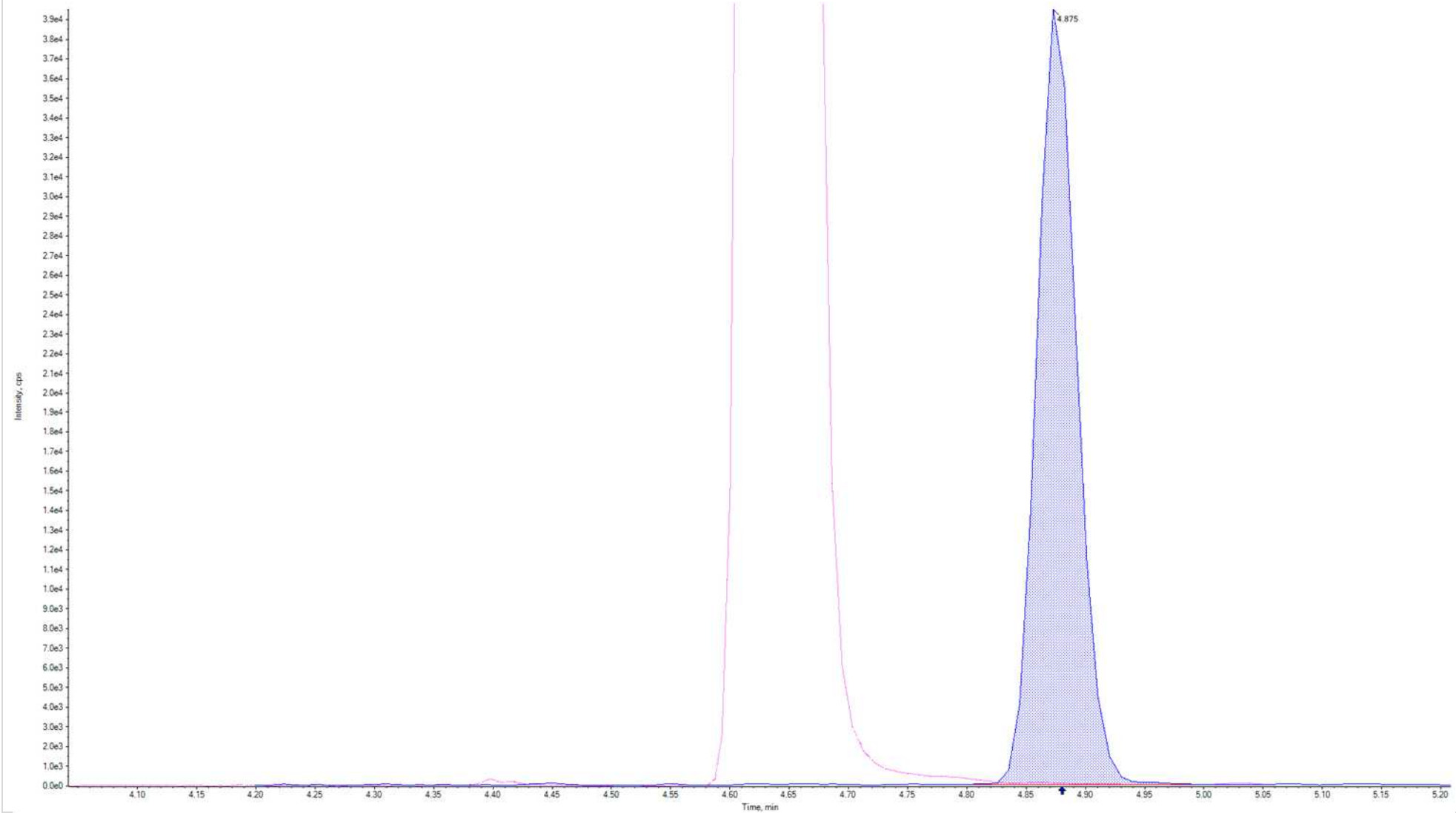
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-.1 S/N:497.1 Points Across peak:40



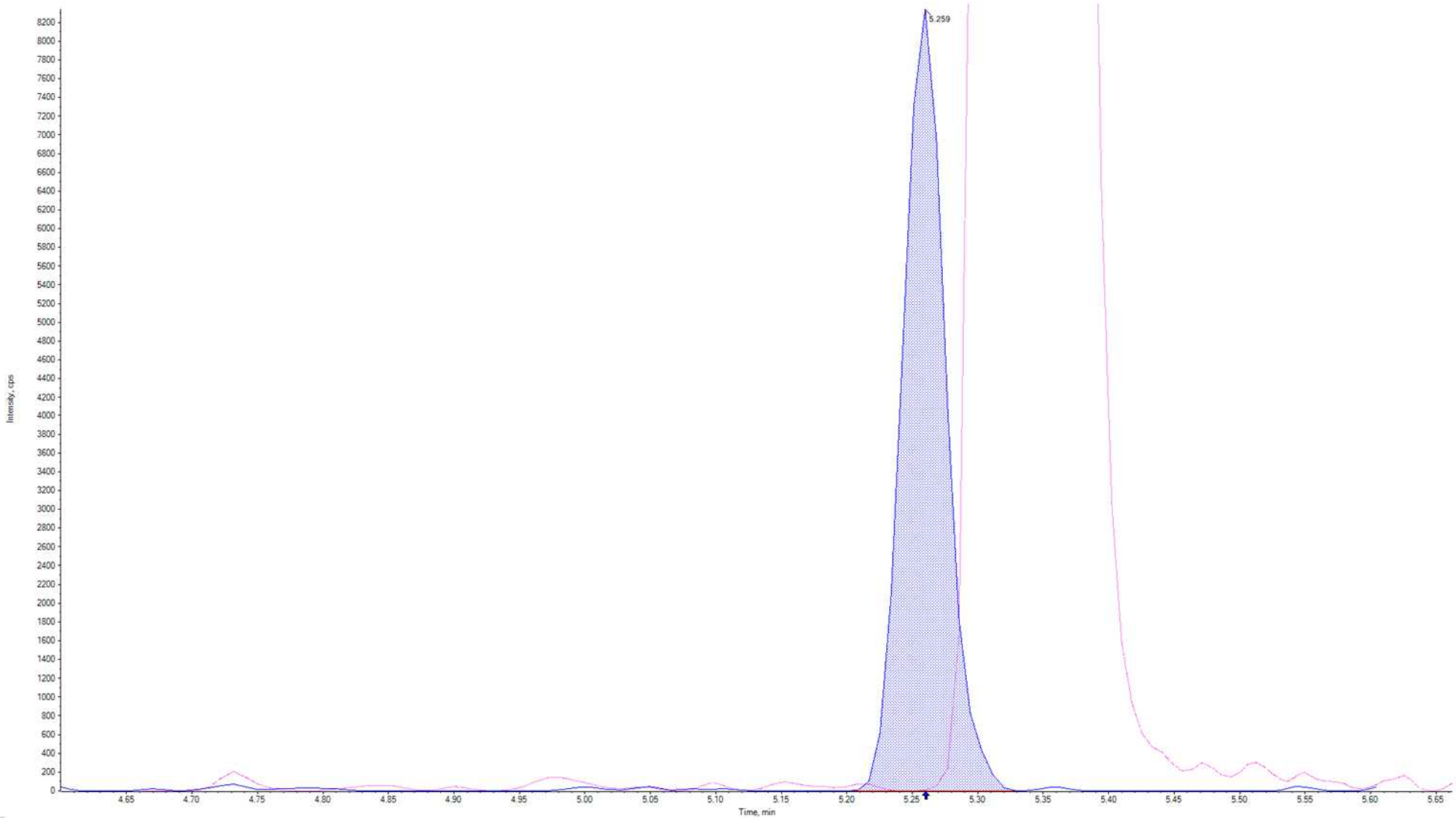
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-.1 S/N:1504.0 Points Across peak:25



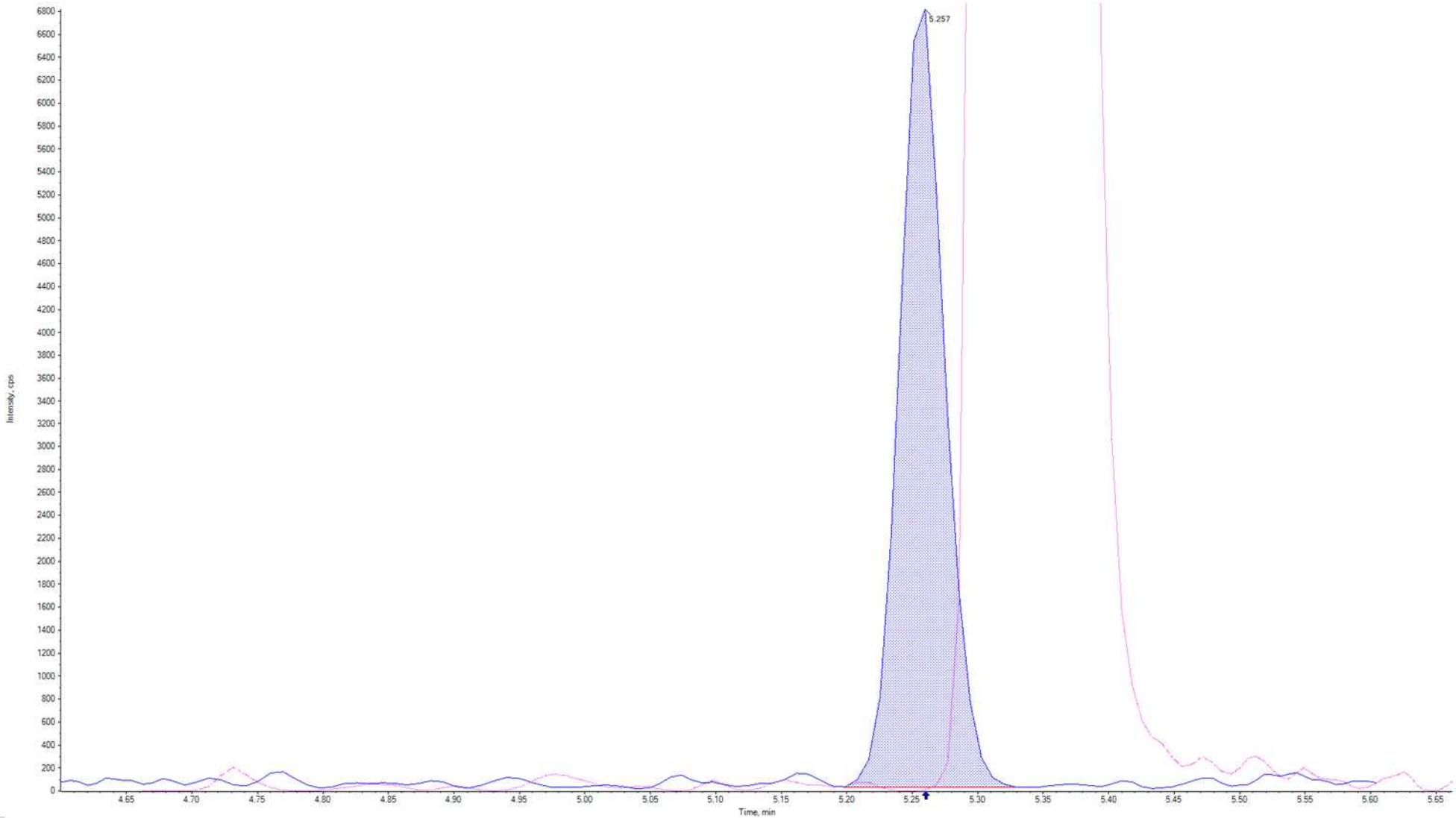
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-.1 S/N:1279.4 Points Across peak:19



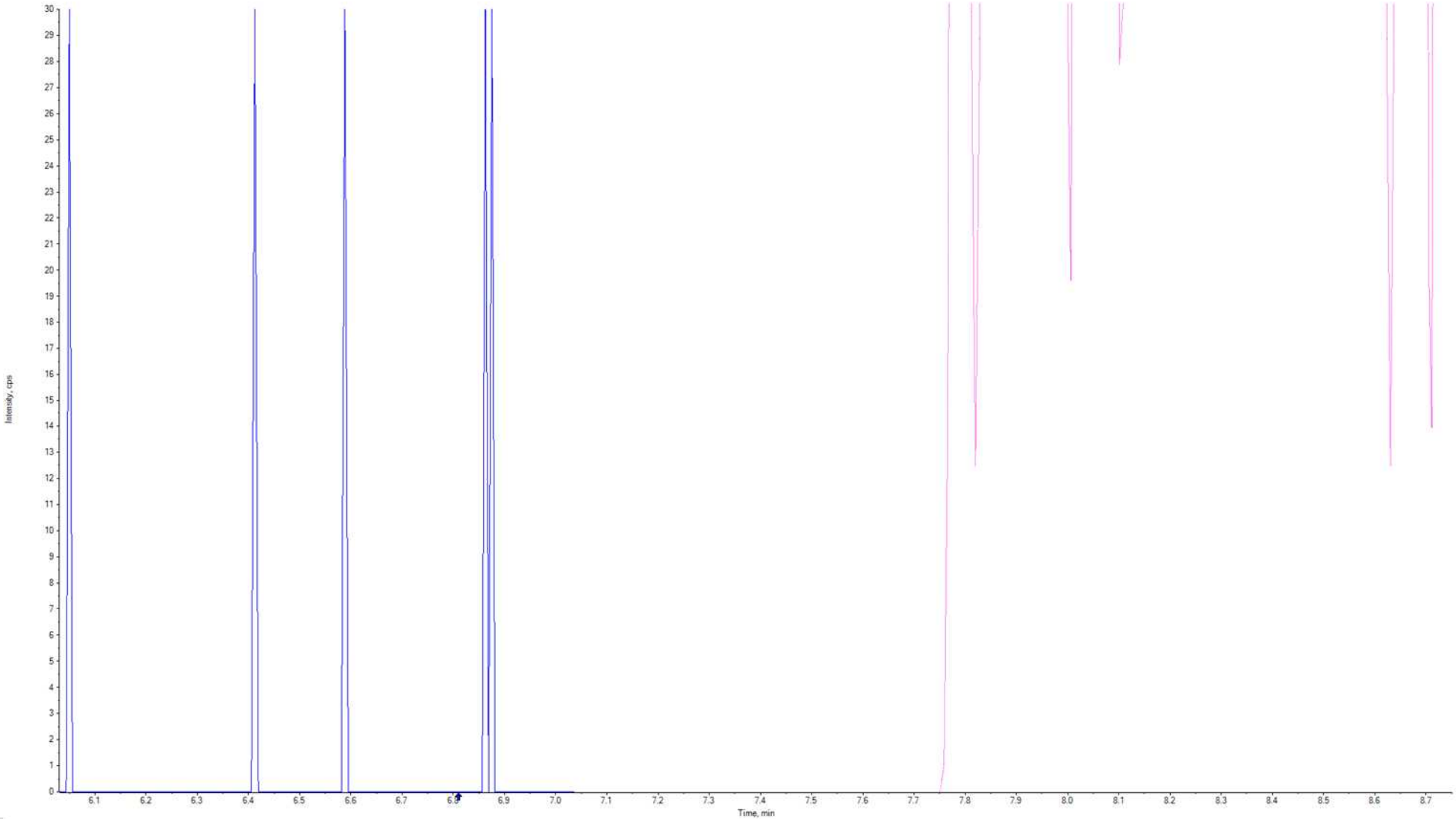
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-.1 S/N:409.4 Points Across peak:17



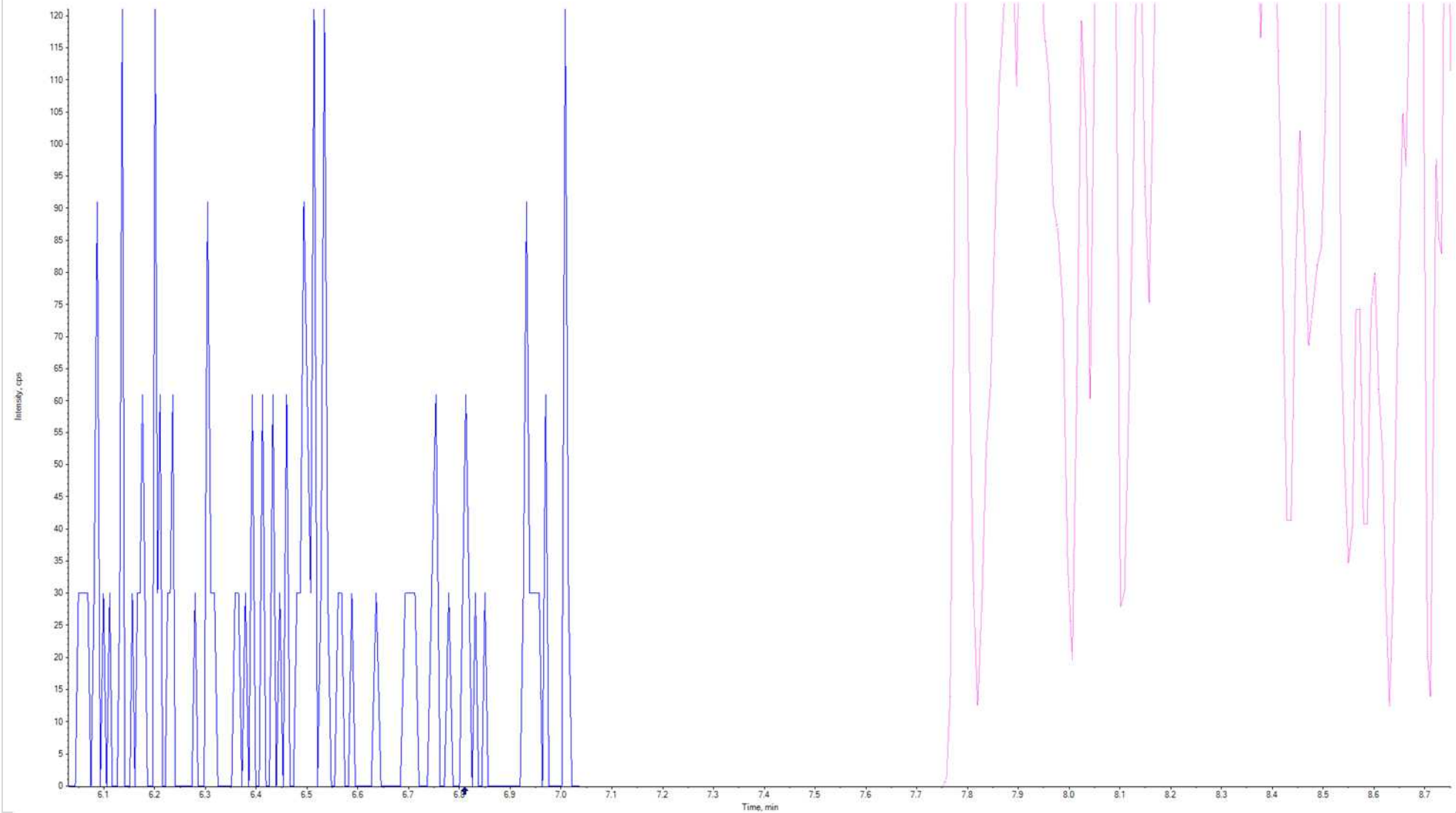
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-.1 S/N:N/A Points Across peak:N/A



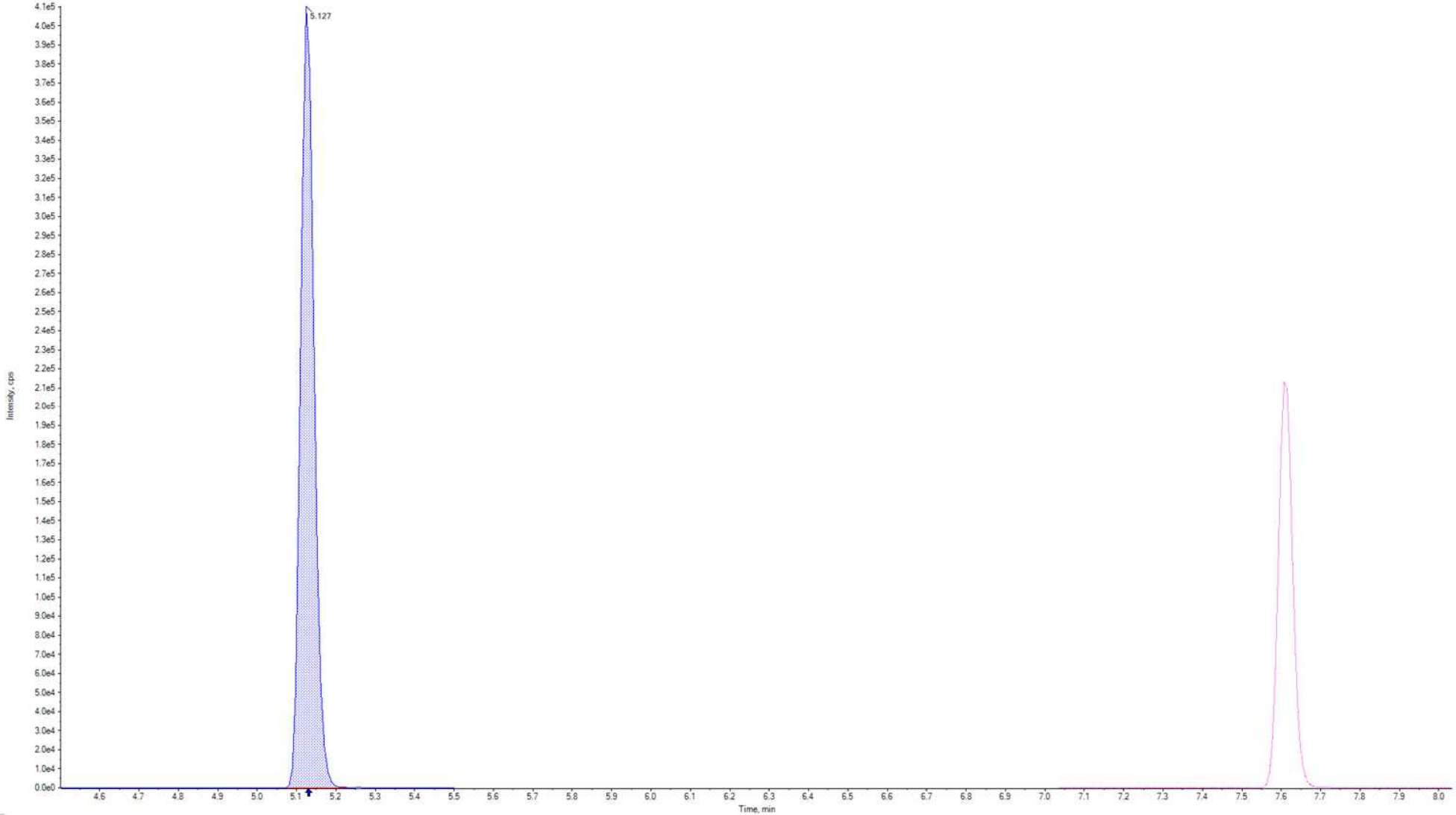
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

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



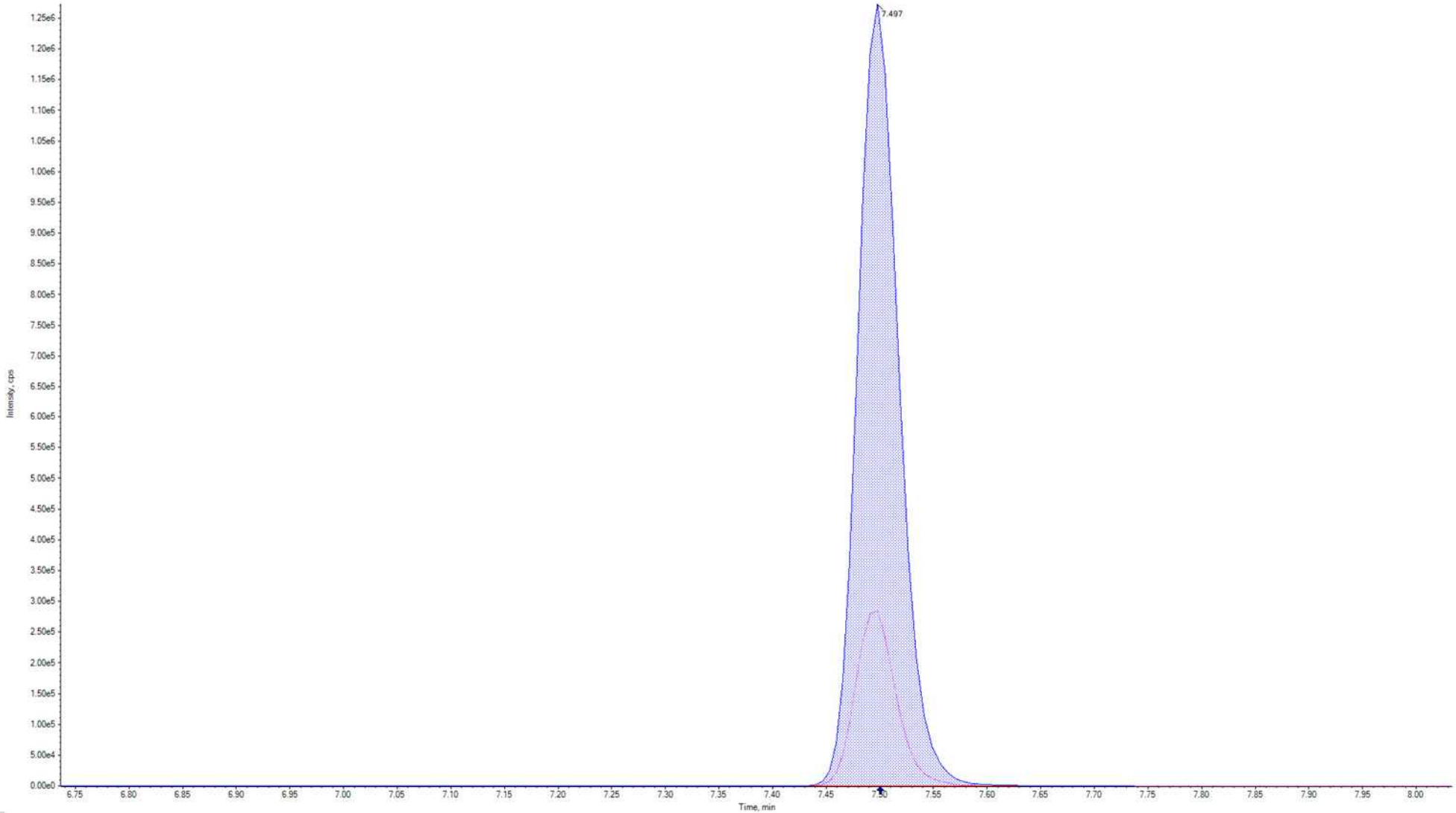
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-.1 S/N:38881.1 Points Across peak:22

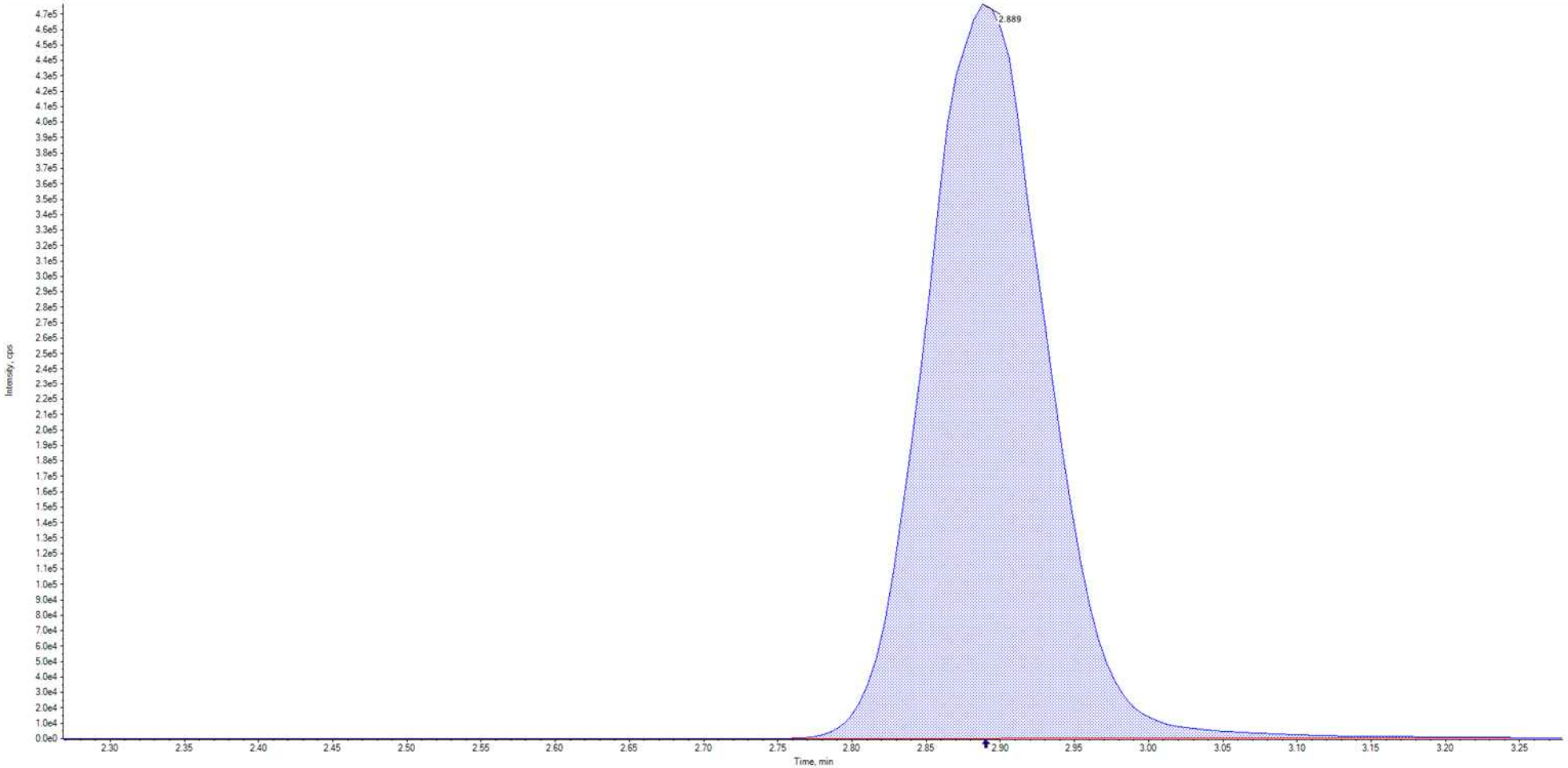


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

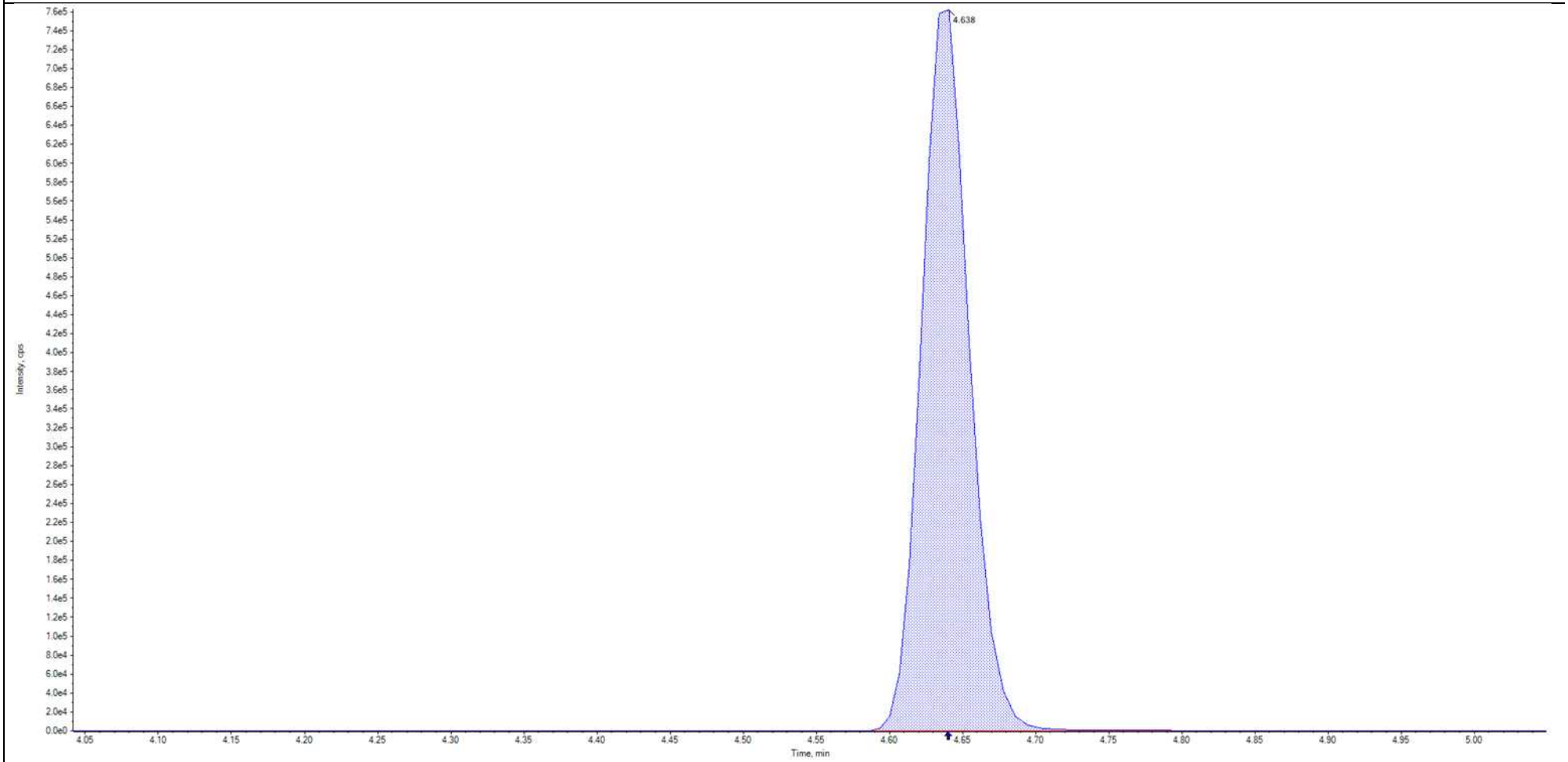
13C2-PFOA
Sample: IA1633STD-.1 S/N:687912.4 Points Across peak:35



13C4-PFBA
Sample: IA1633STD-.1

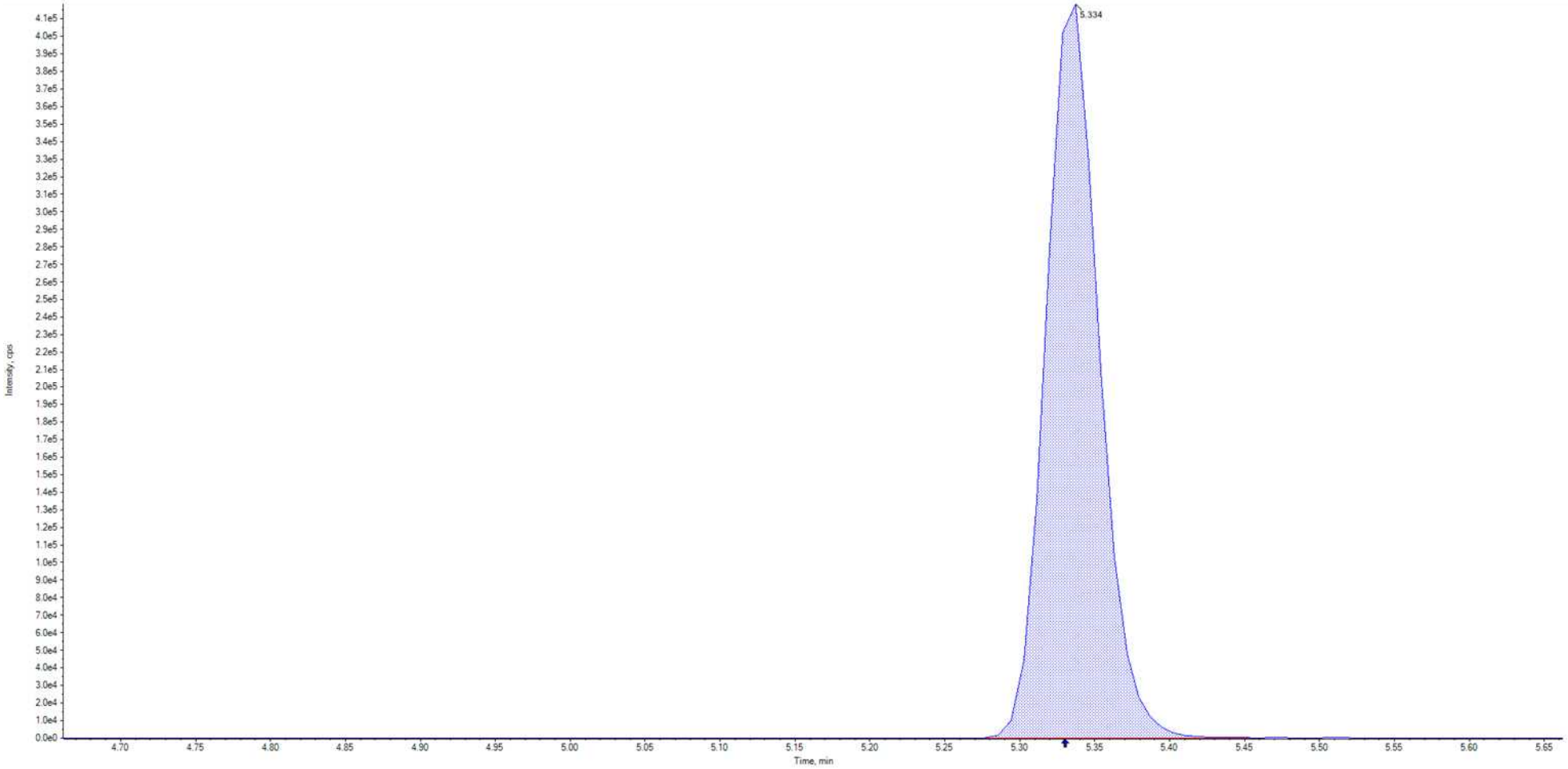


13C5-PFPeA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

13C5-PFHxA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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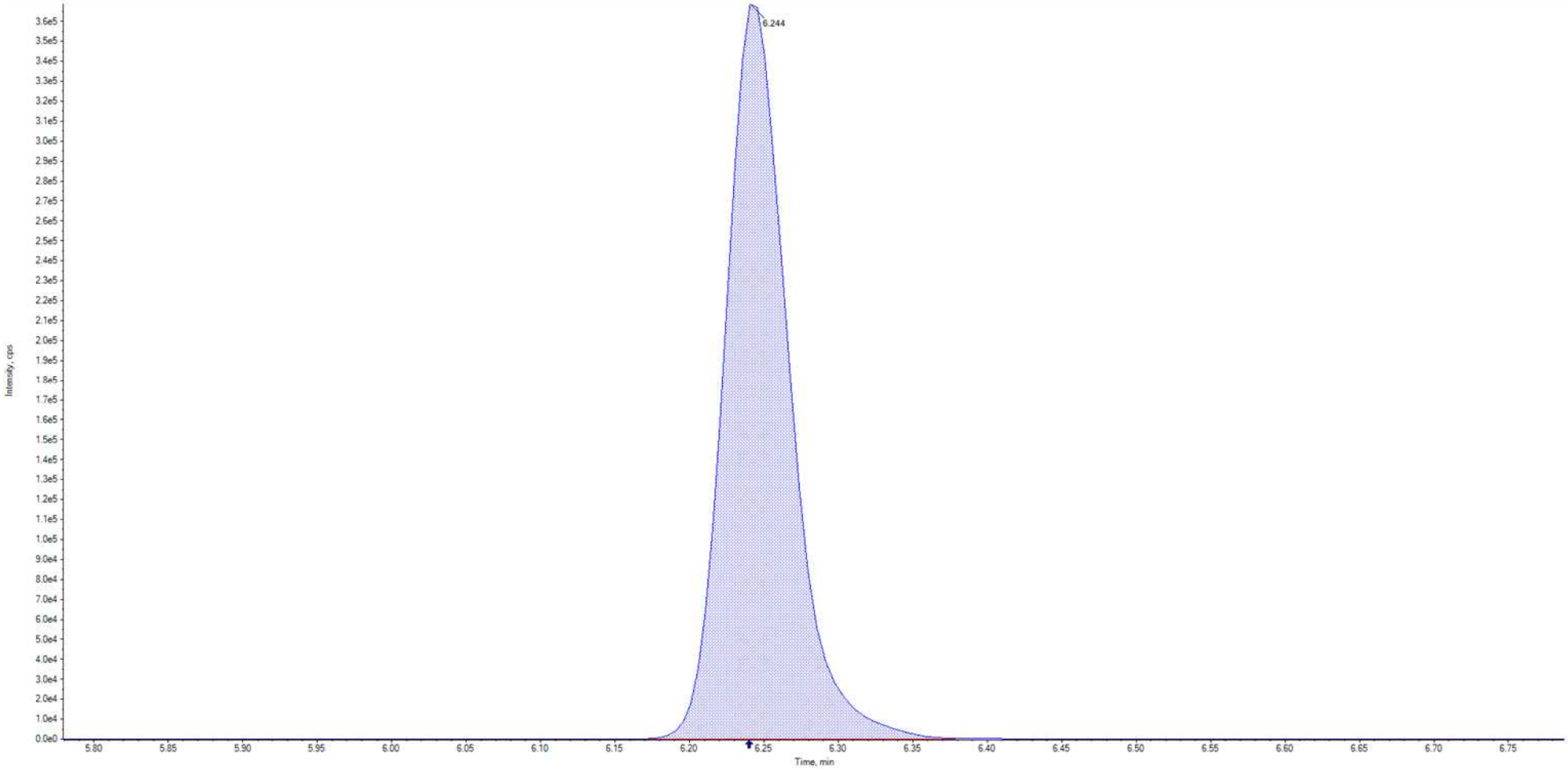
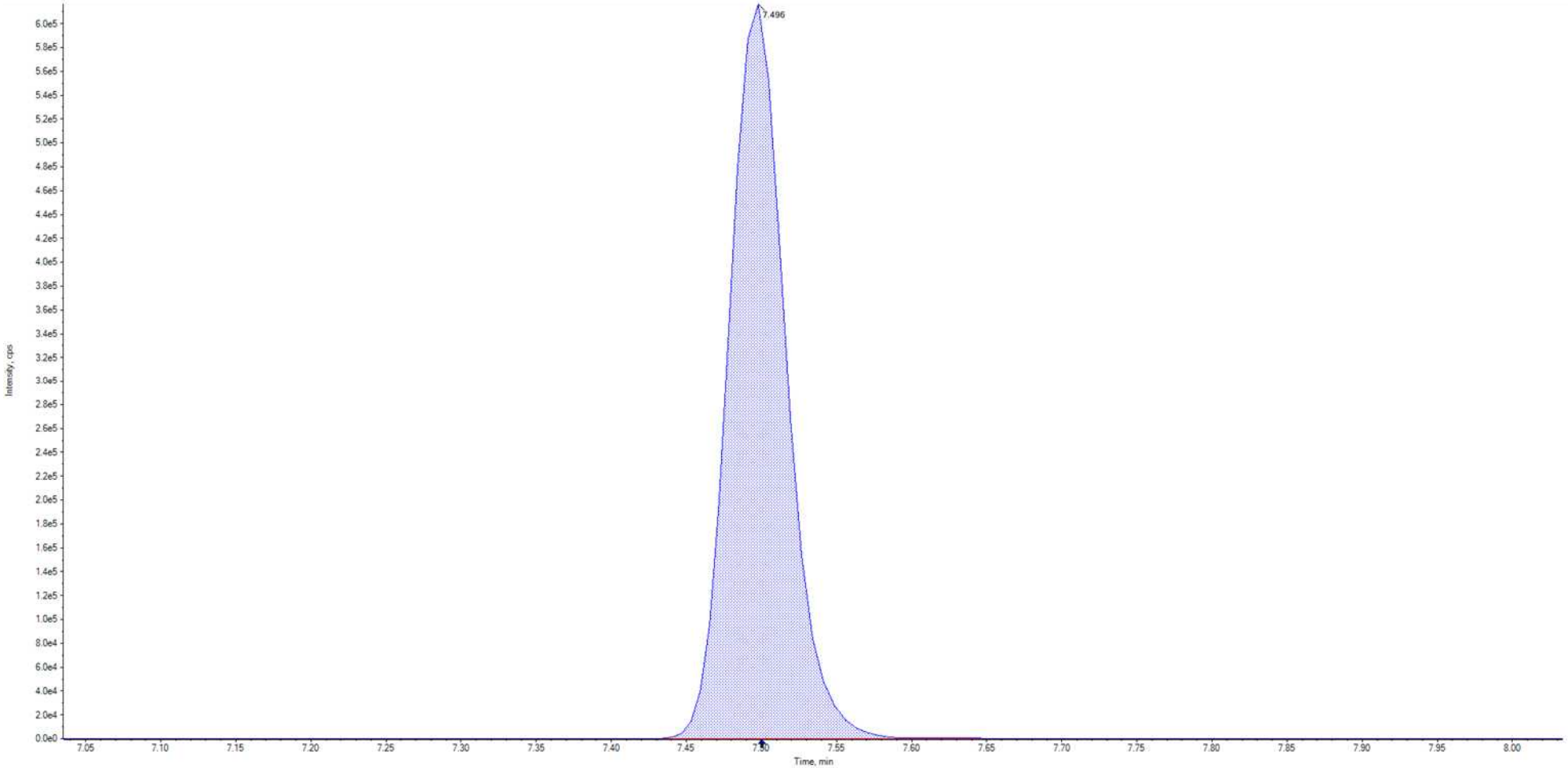
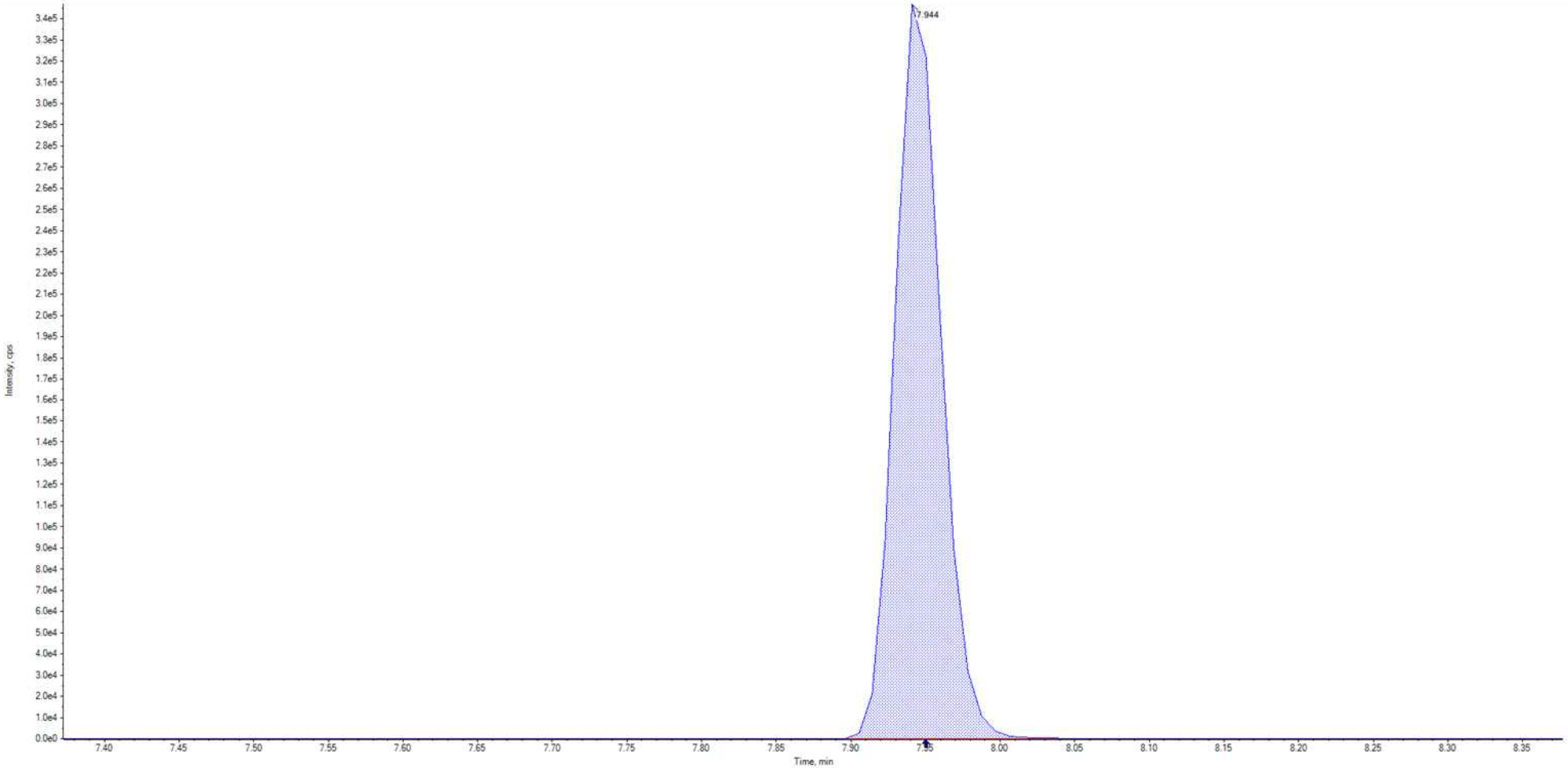
13C4-PFHpA
Sample: IA1633STD-.1



13C8-PFOA
Sample: IA1633STD-.1



13C9-PFNA
Sample: IA1633STD-.1



13C6-PFDA
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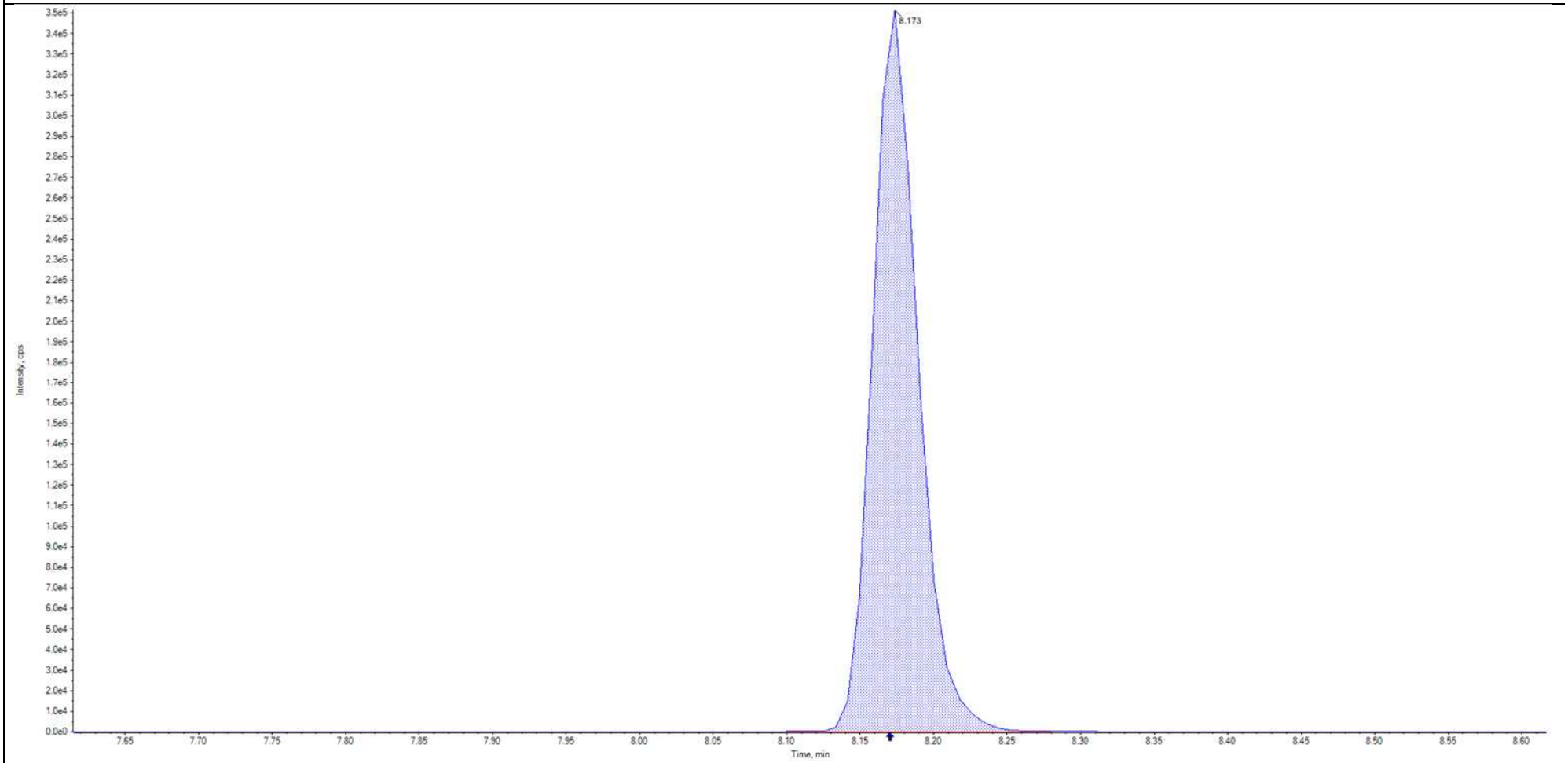

13C7-PFUnA
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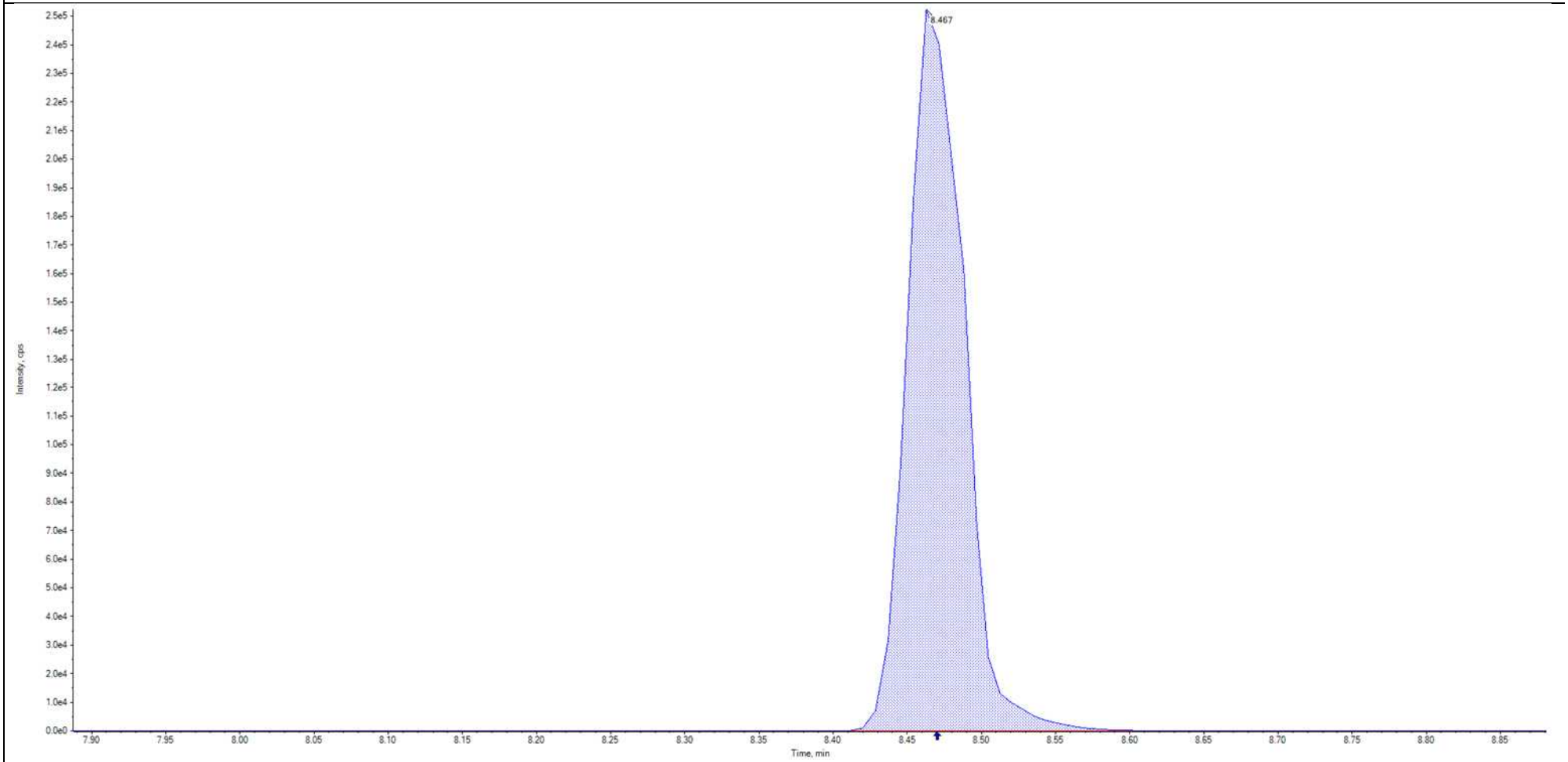
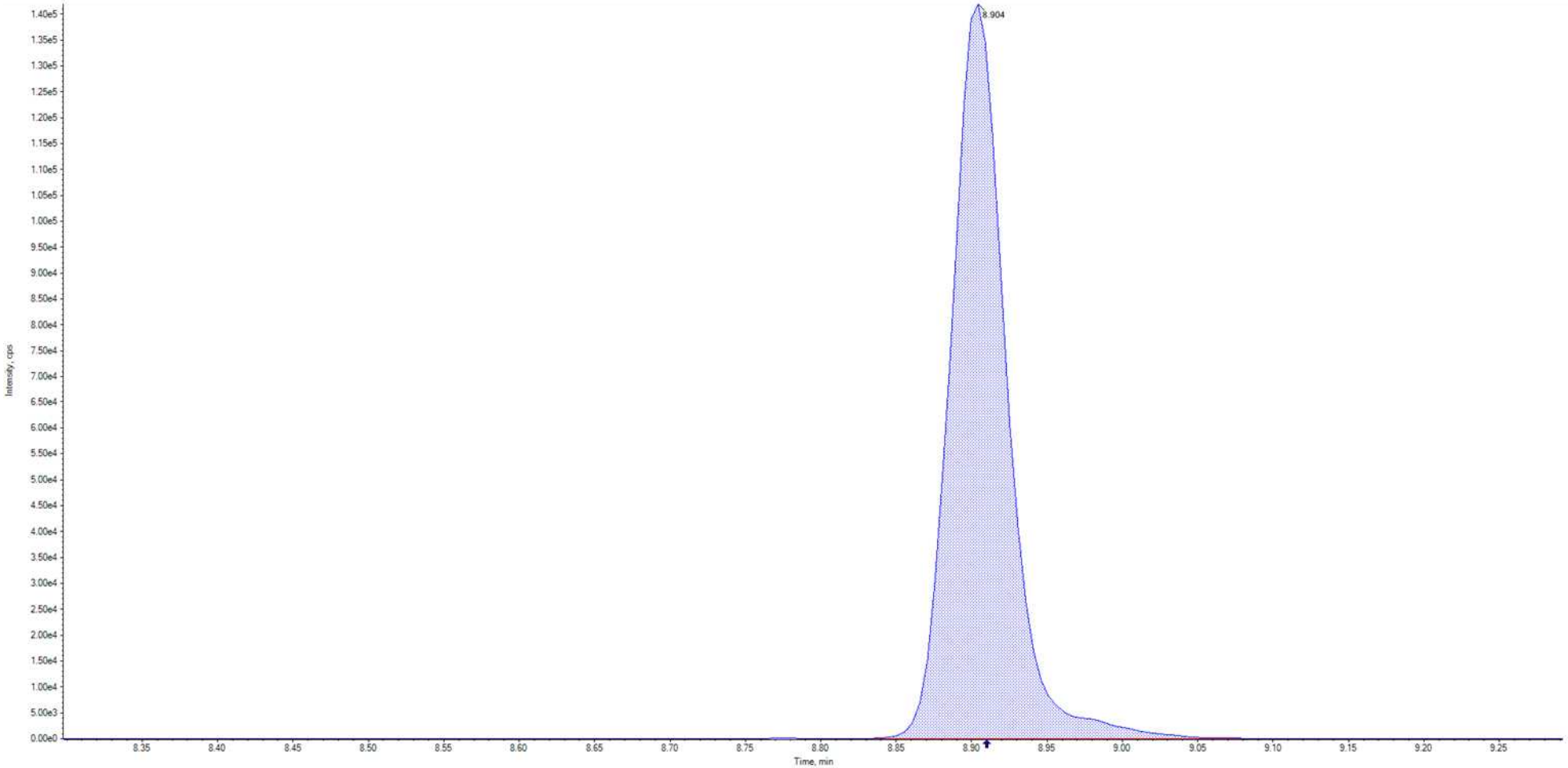
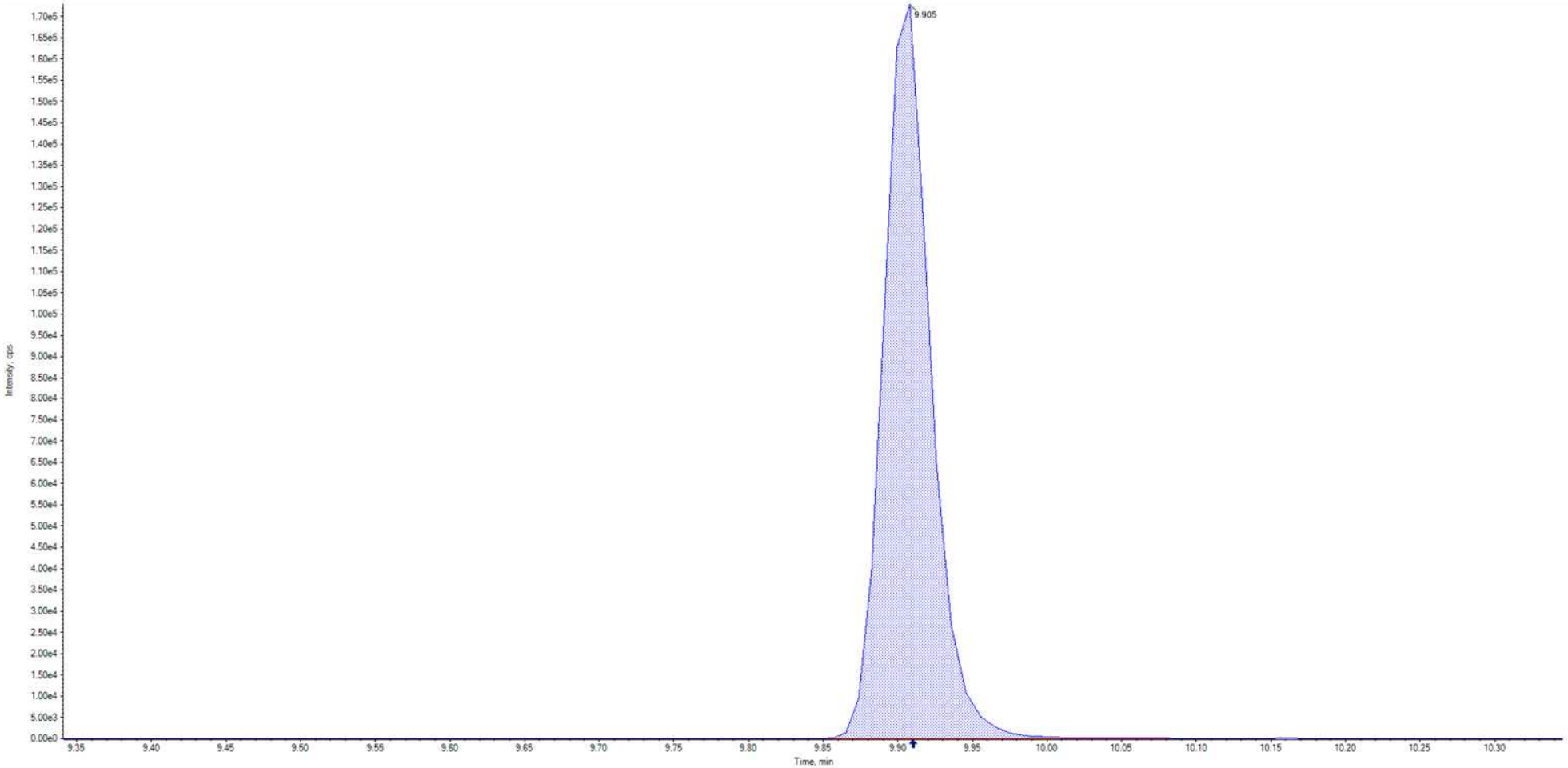


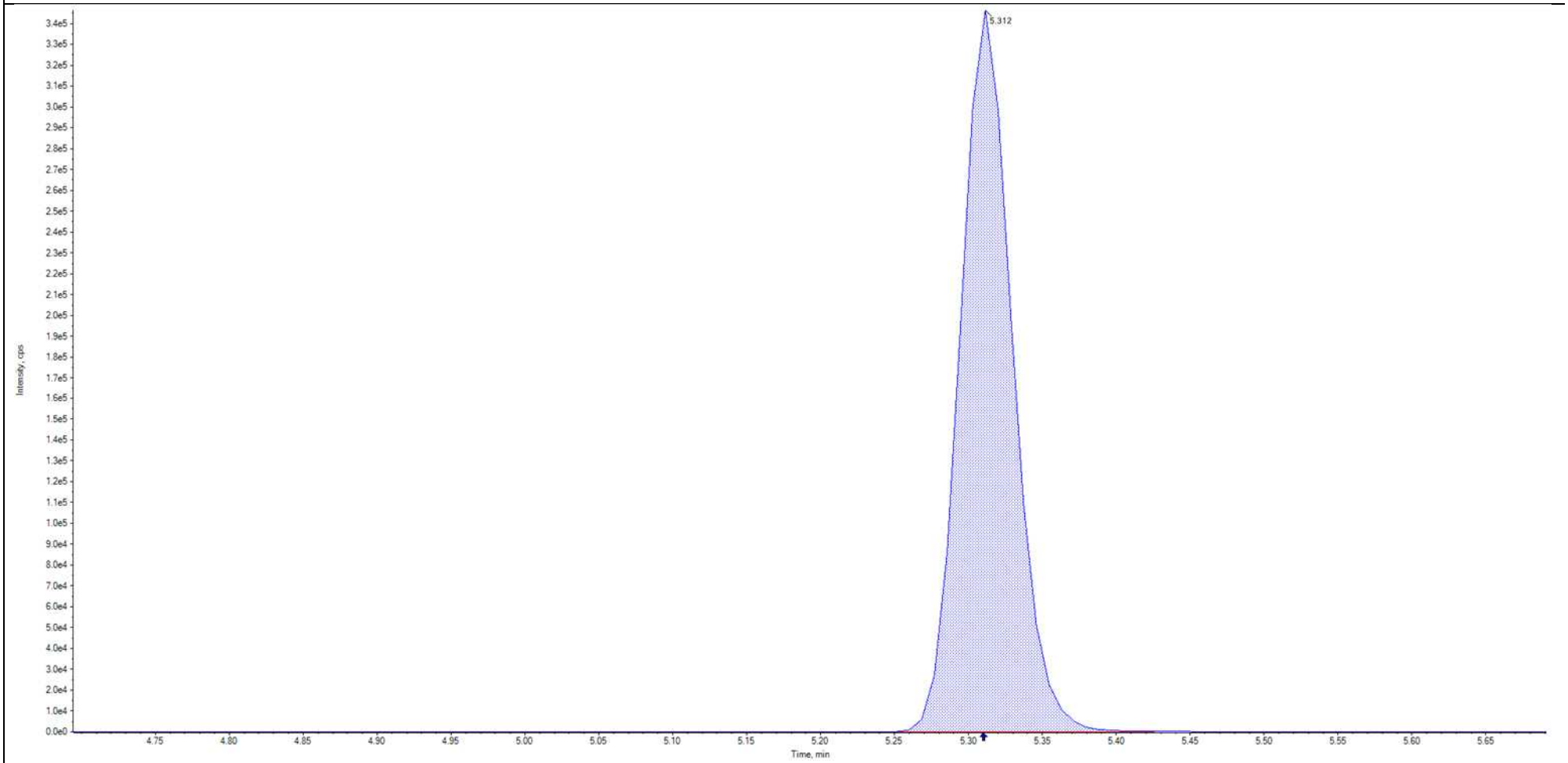
13C2-PFDoA
Sample: IA1633STD-.1



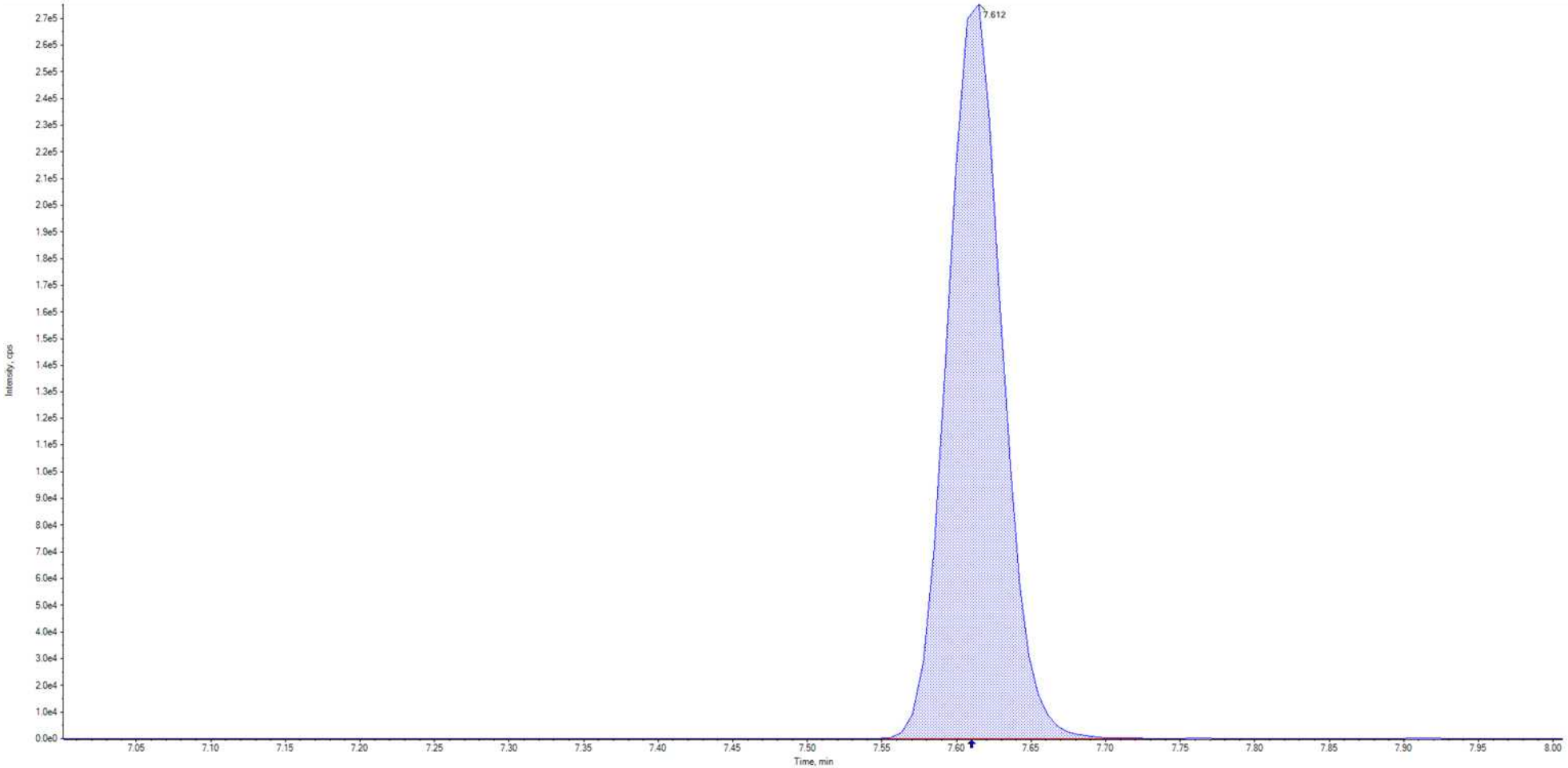
13C2-PFTeDA
Sample: IA1633STD-.1



13C3-PFBS
Sample: IA1633STD-.1

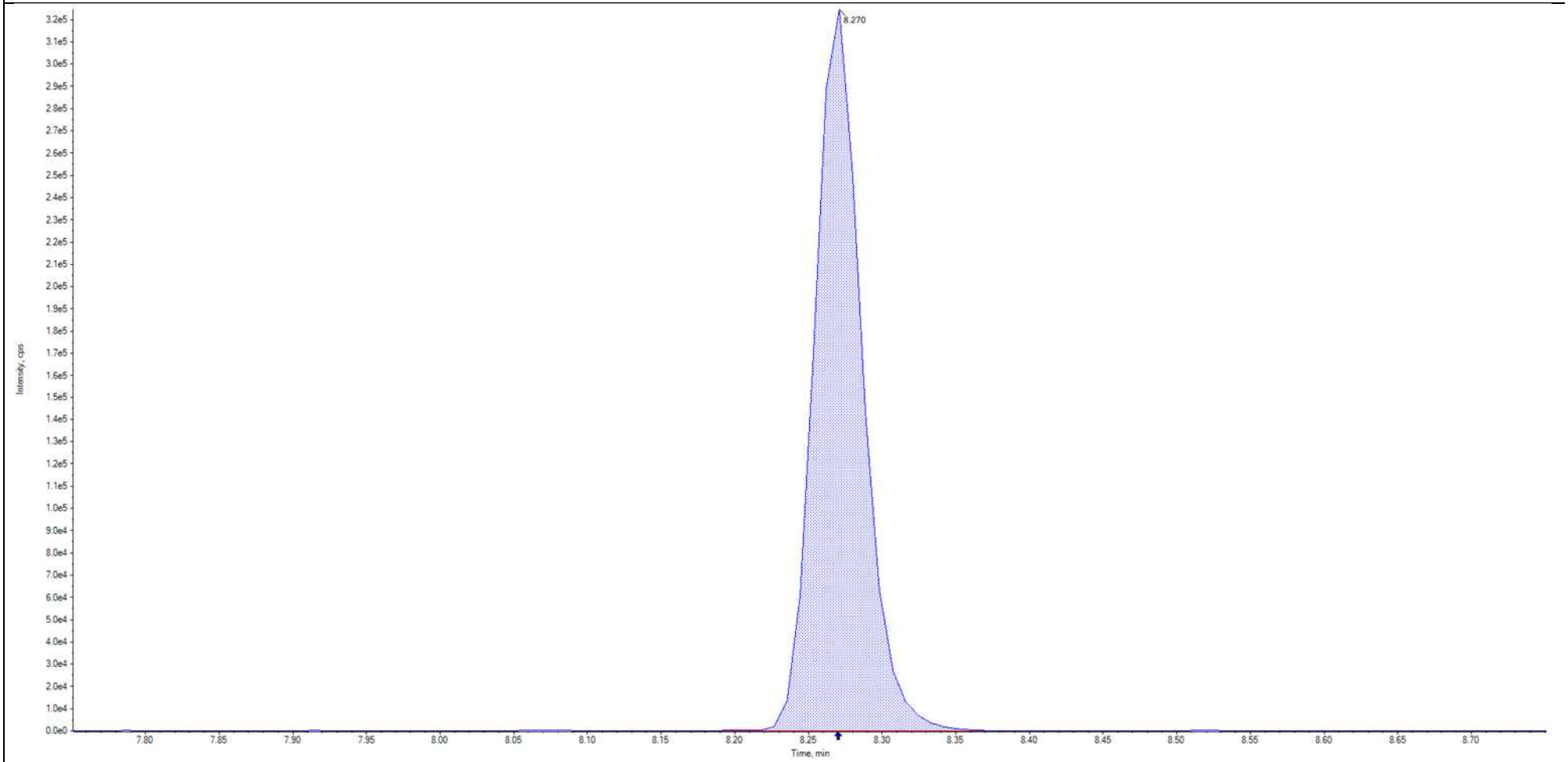


13C3-PFHxS
Sample: IA1633STD-.1

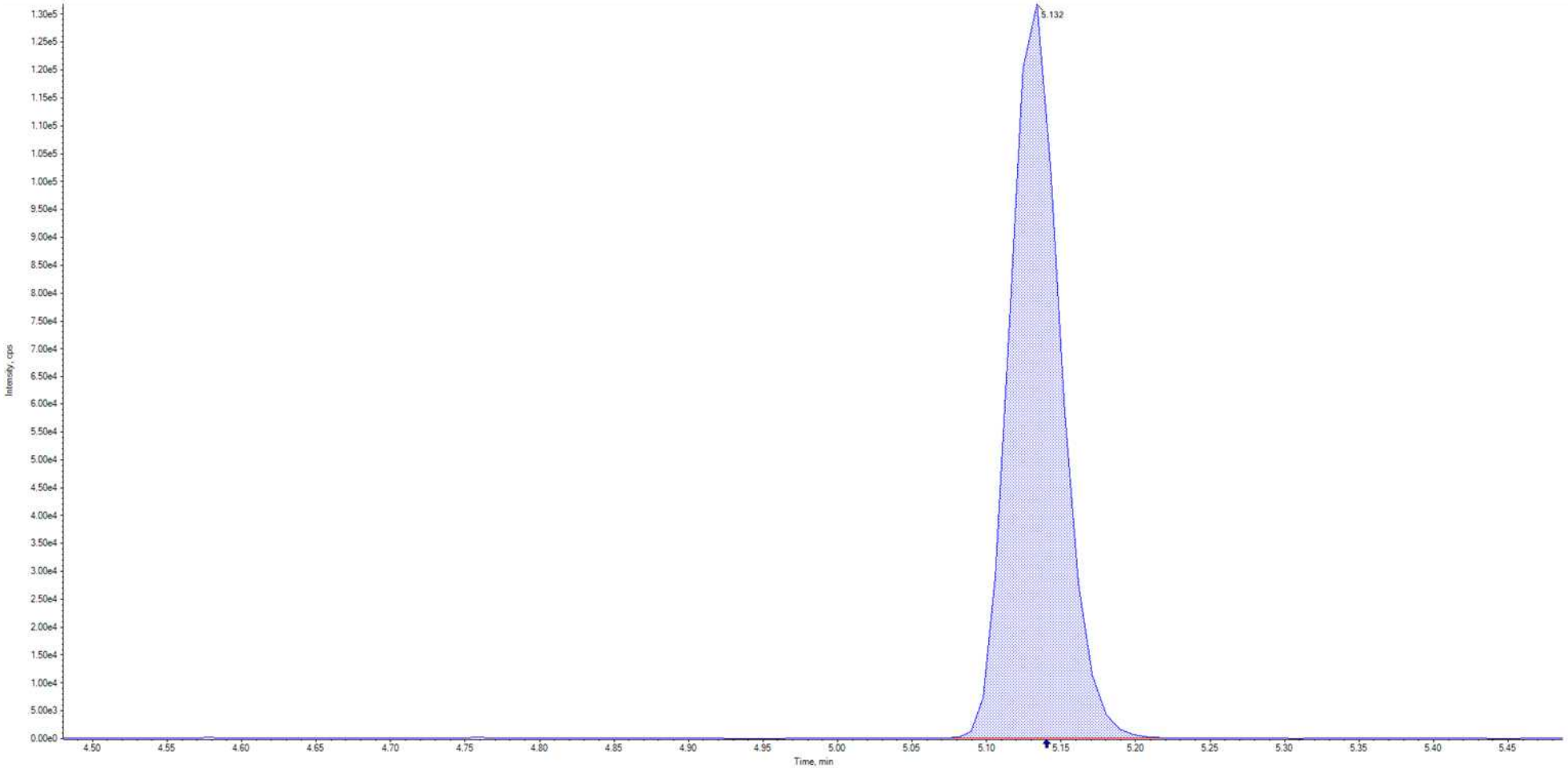


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

13C8-PFOS
Sample: IA1633STD-.1



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



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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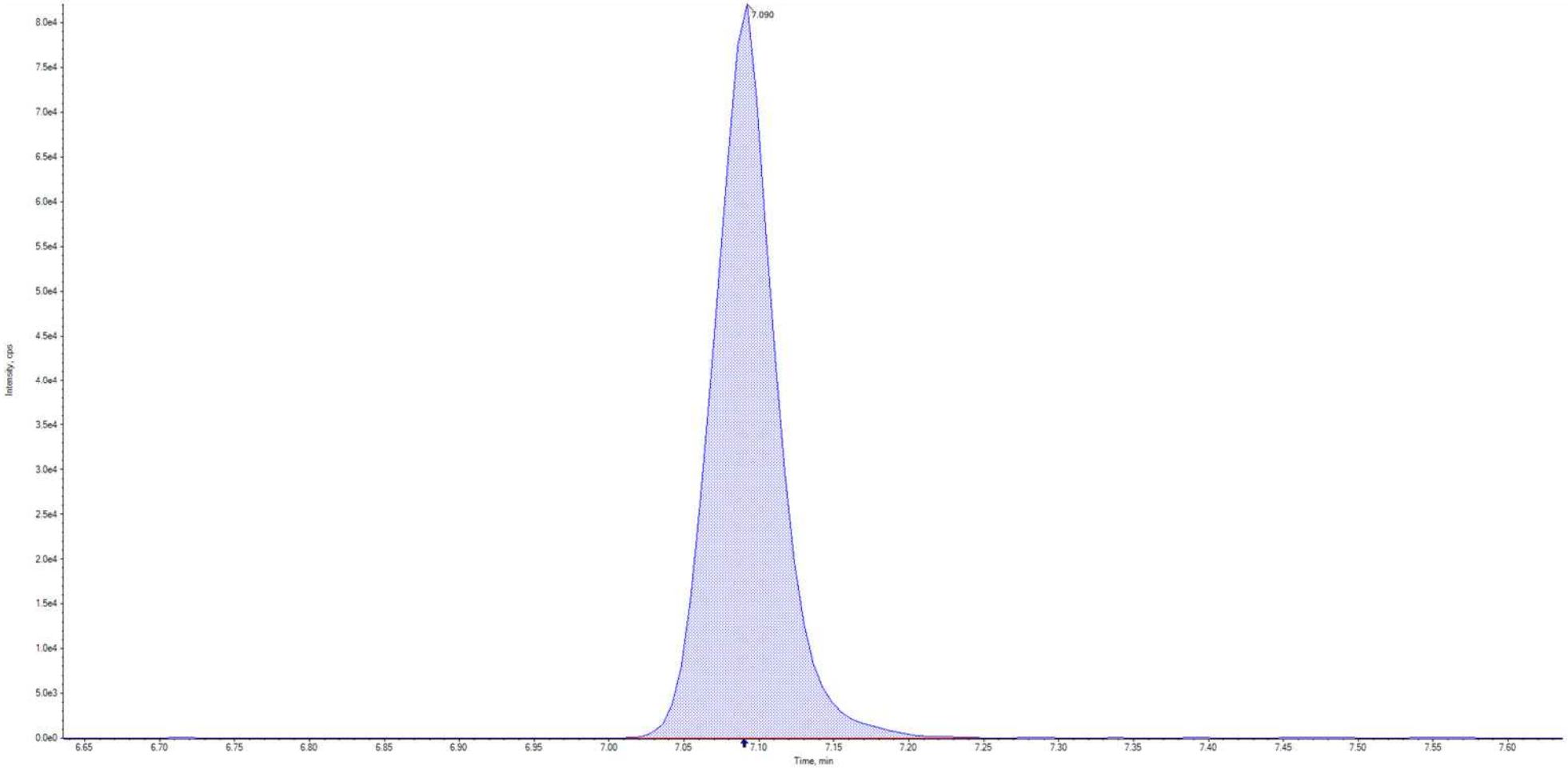
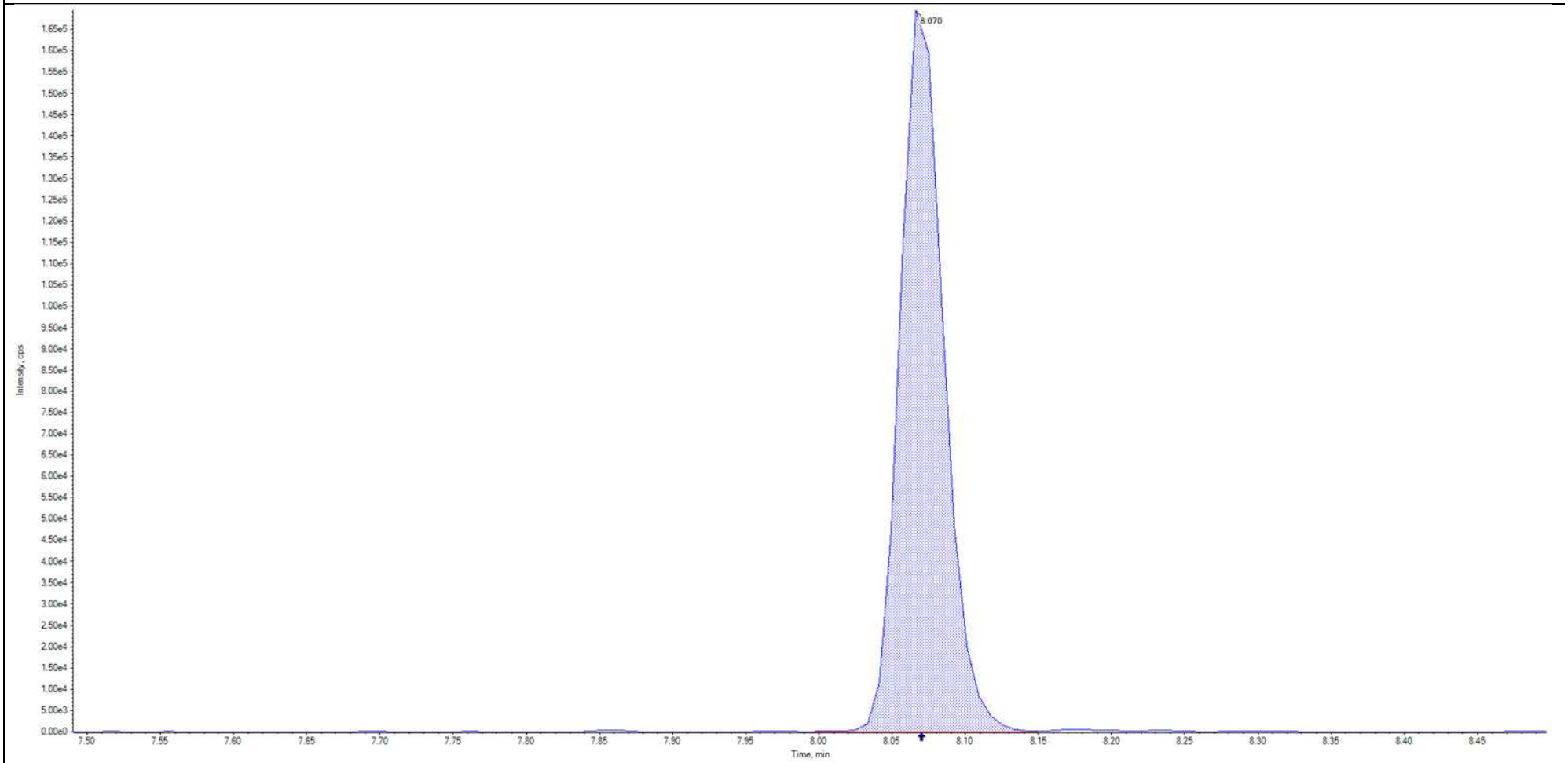
Generated: 8/14/2024 6:27:11 AM

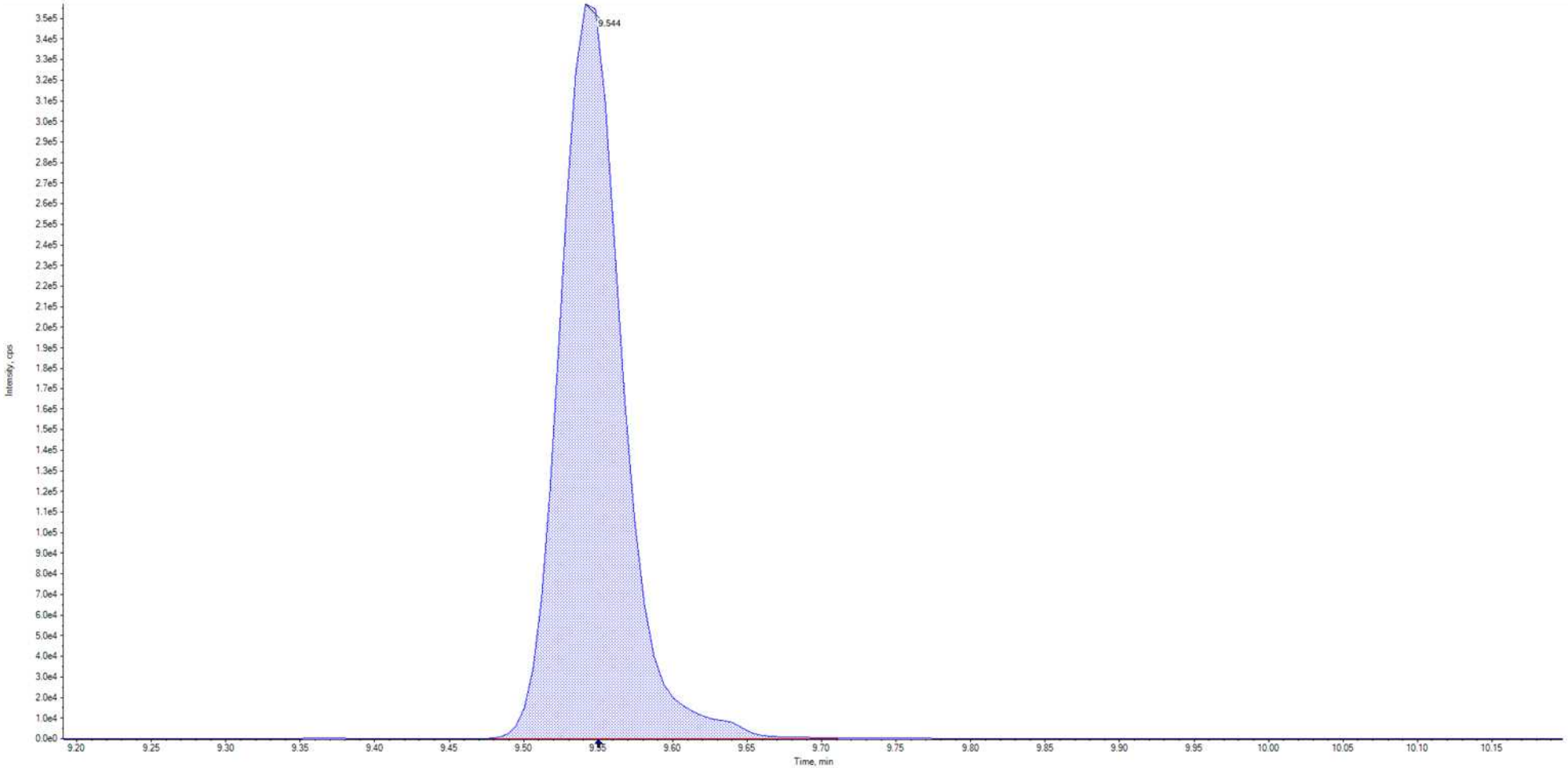
13C2-6:2FTS
Sample: IA1633STD-.1



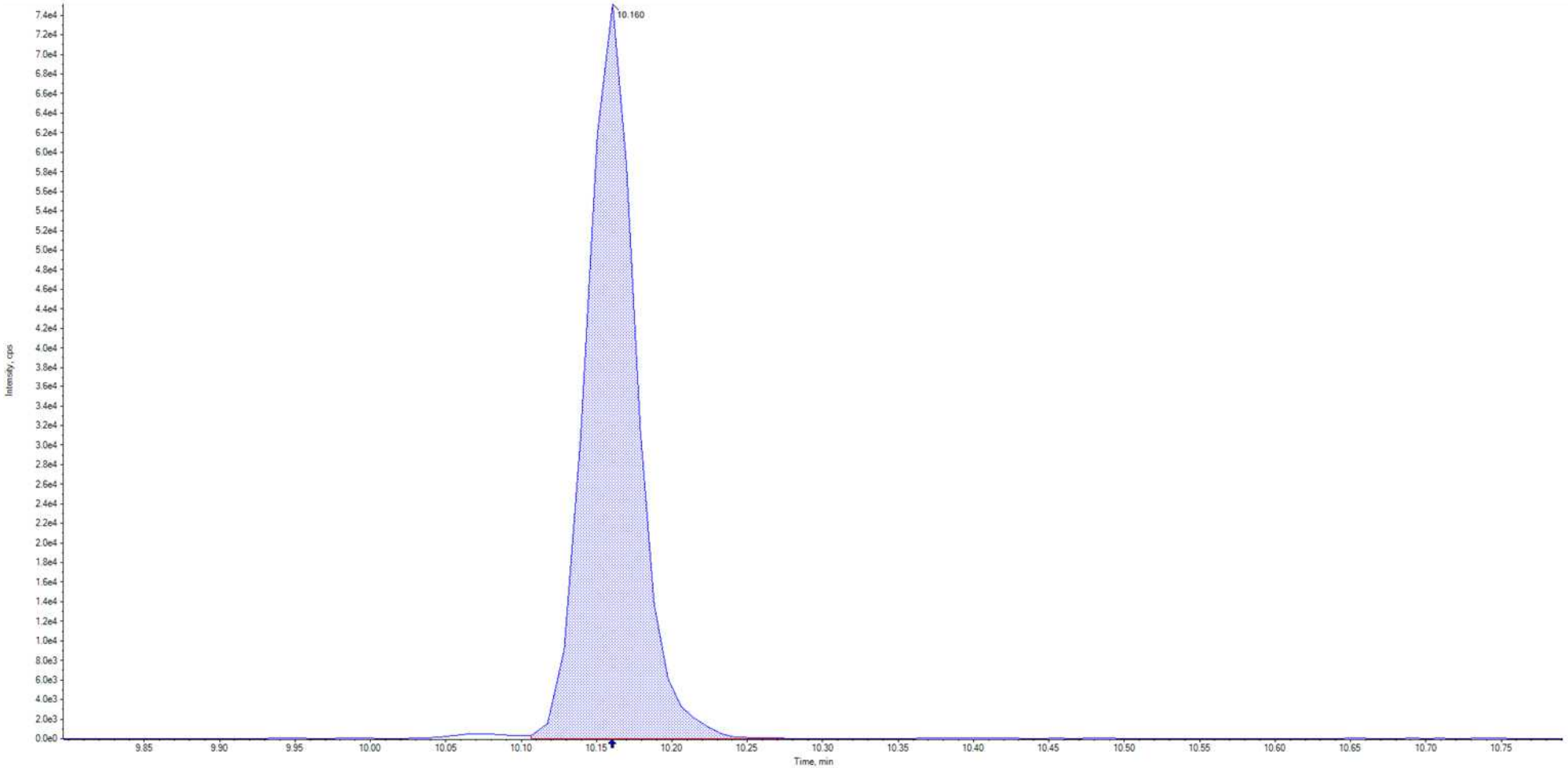
13C2-8:2FTS
Sample: IA1633STD-.1



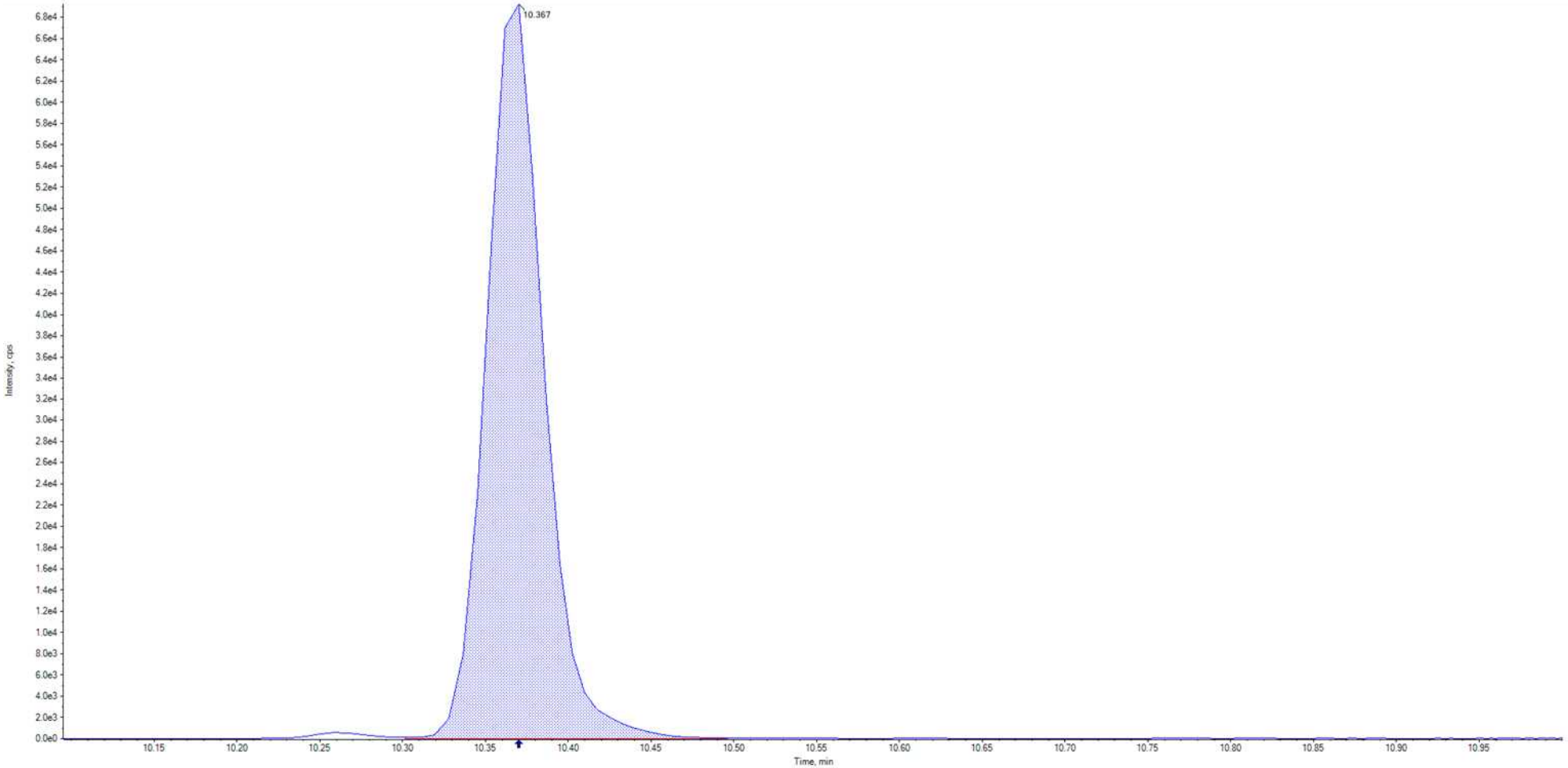
13C8-PFOSA
Sample: IA1633STD-.1



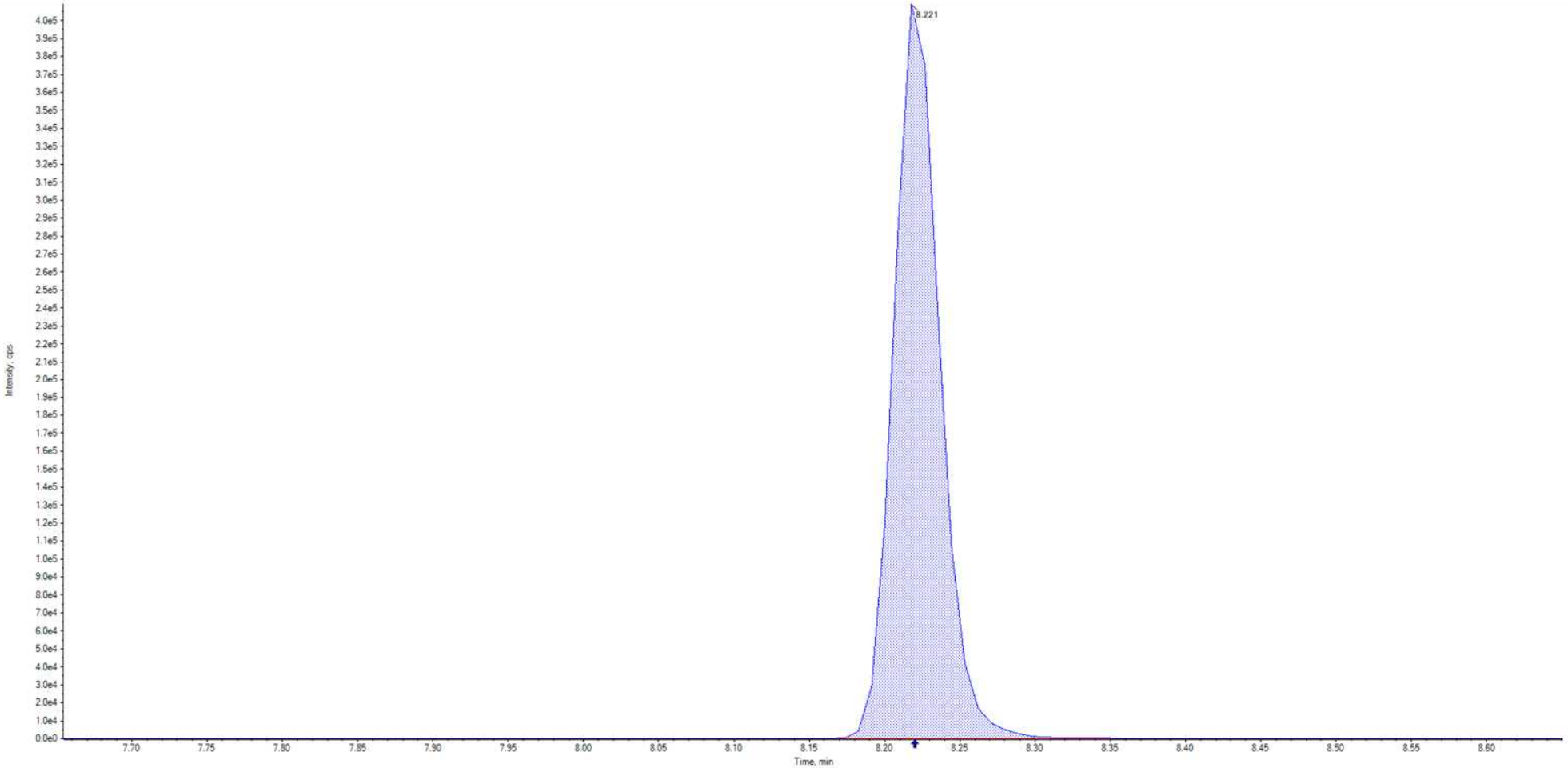
d3-NMeFOSA
Sample: IA1633STD-.1



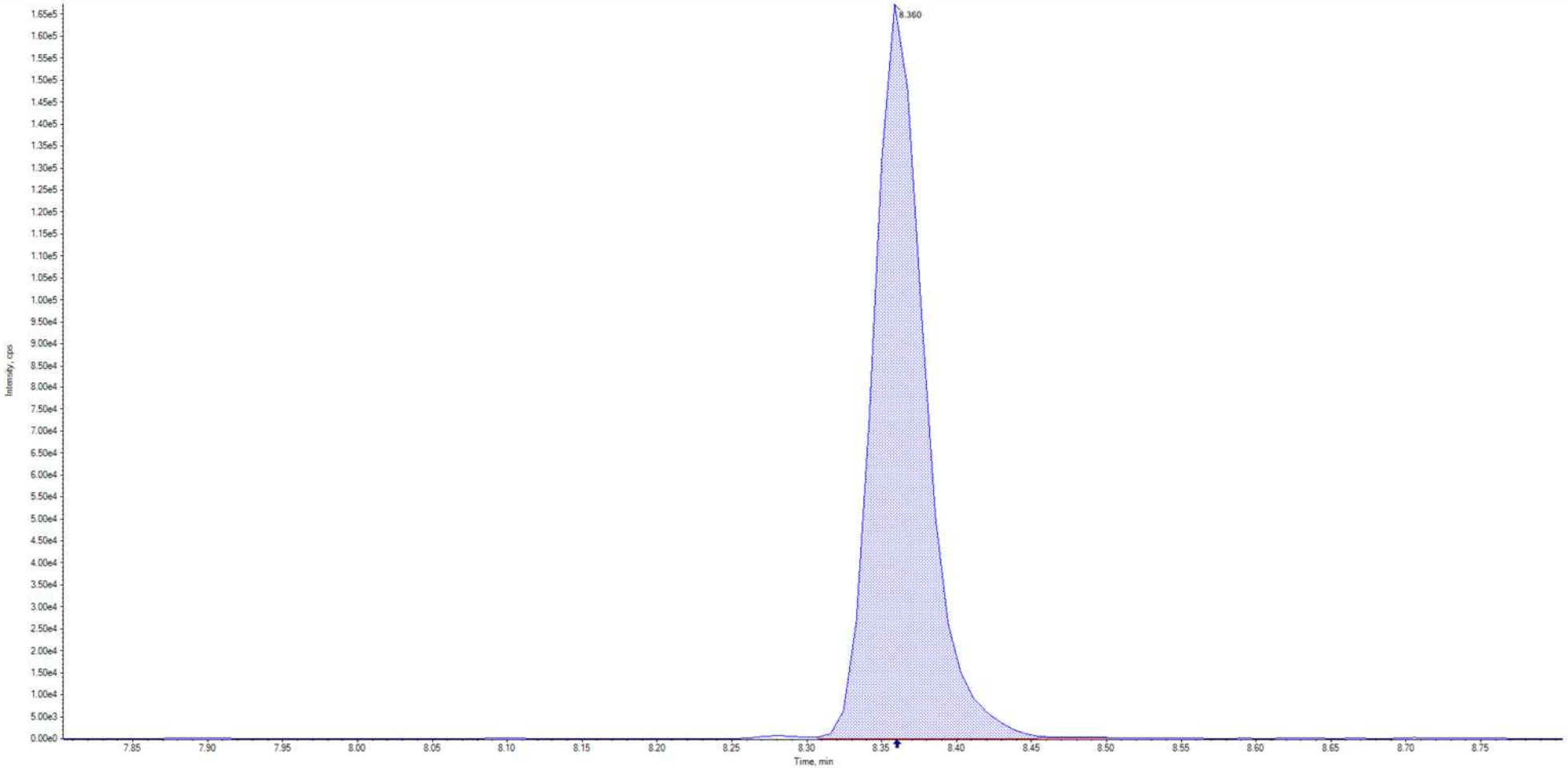
d5-NEtFOSA
Sample: IA1633STD-.1



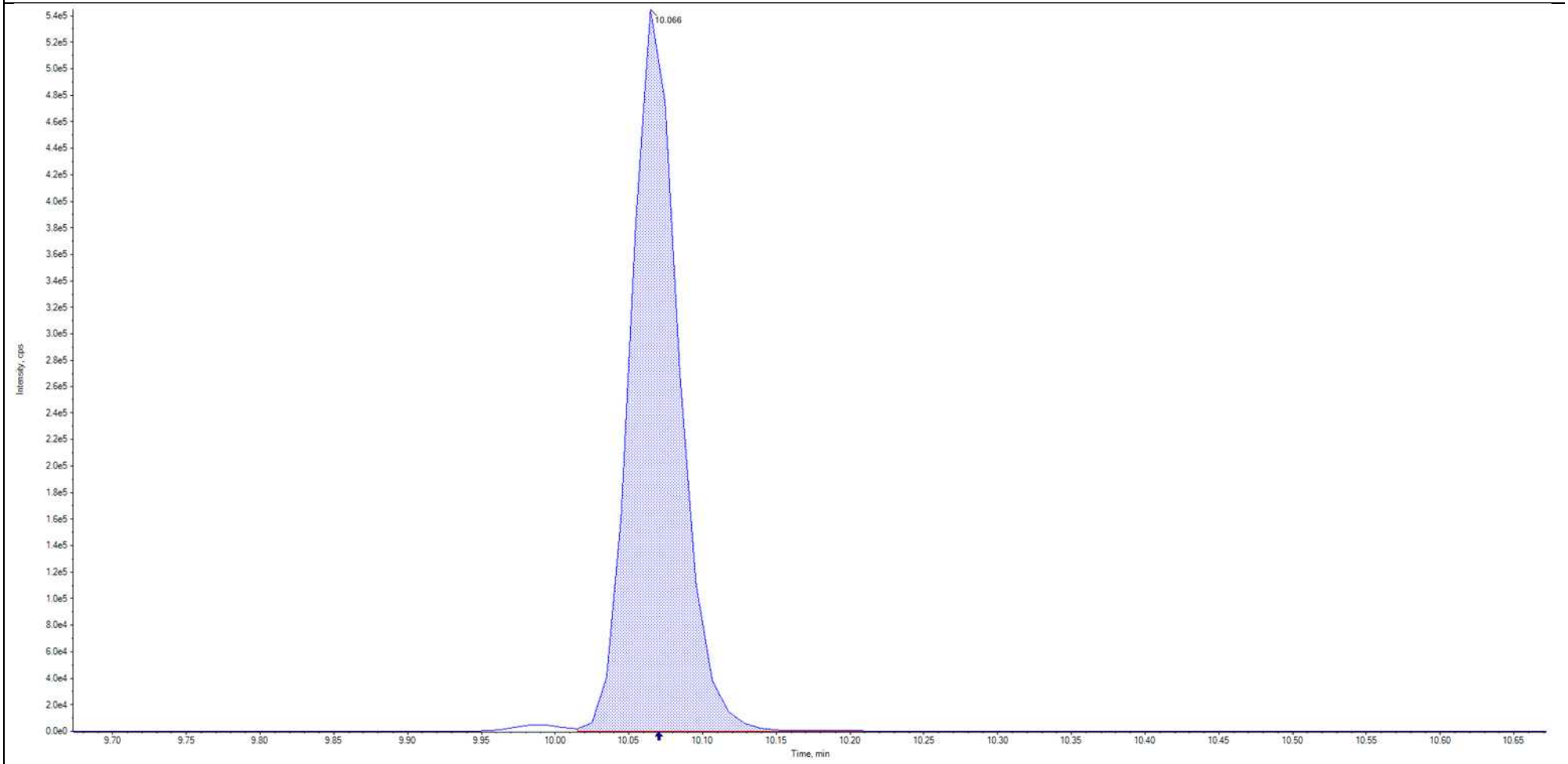
d3-NMeFOSAA
Sample: IA1633STD-.1



d5-NEtFOSAA
Sample: IA1633STD-.1



d7-NMeFOSE
Sample: IA1633STD-.1



d9-NEtFOSE
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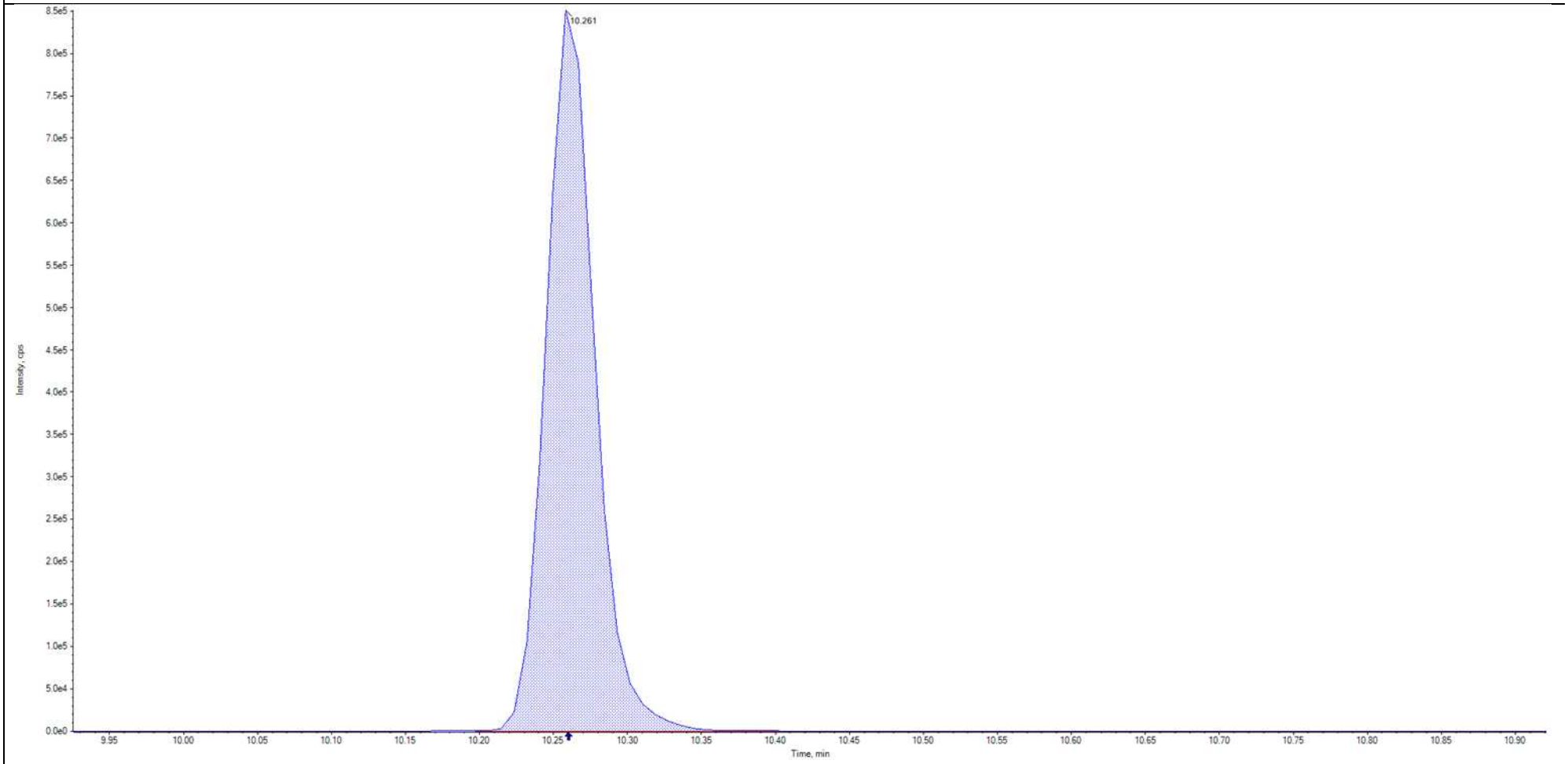
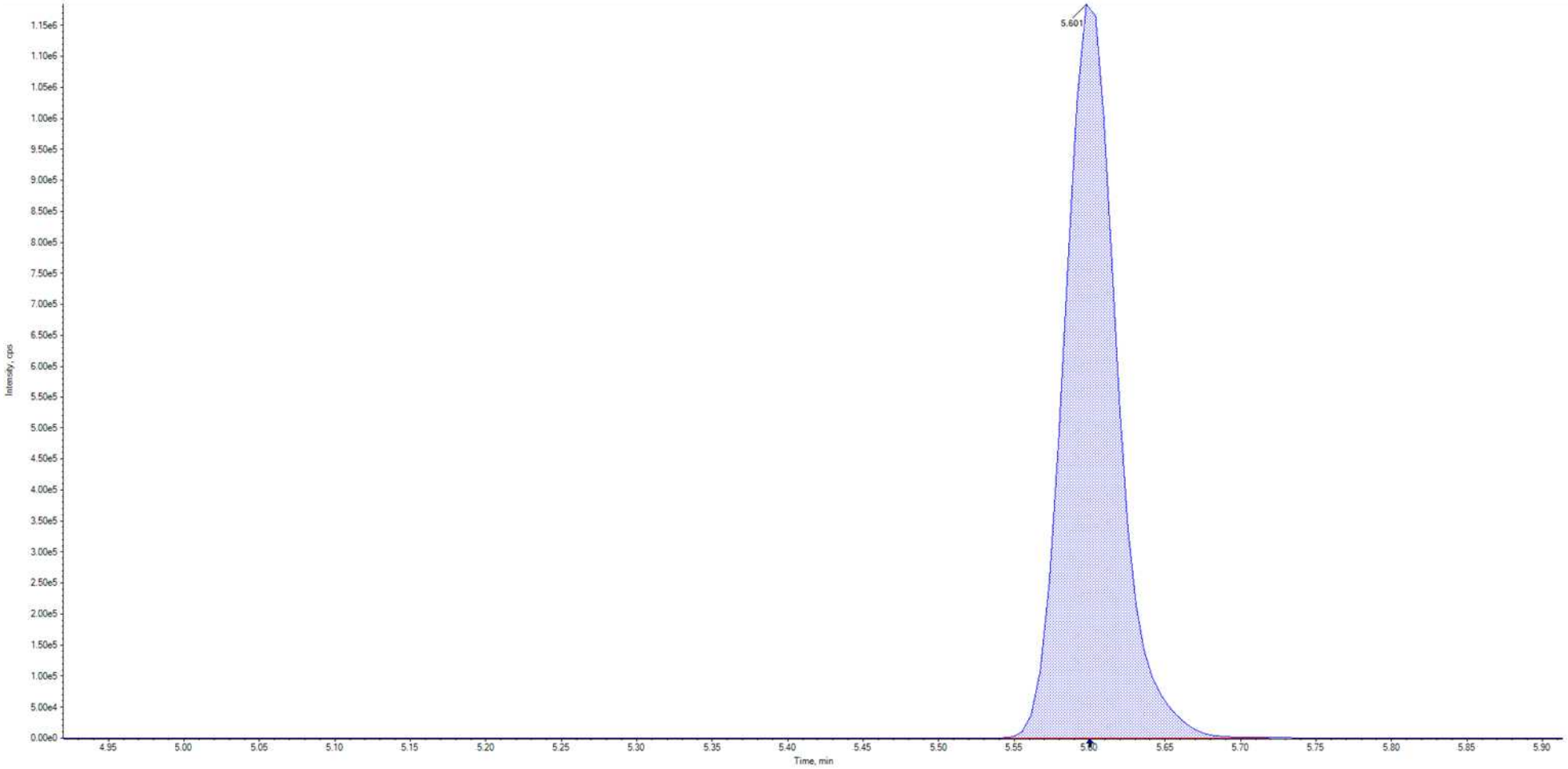
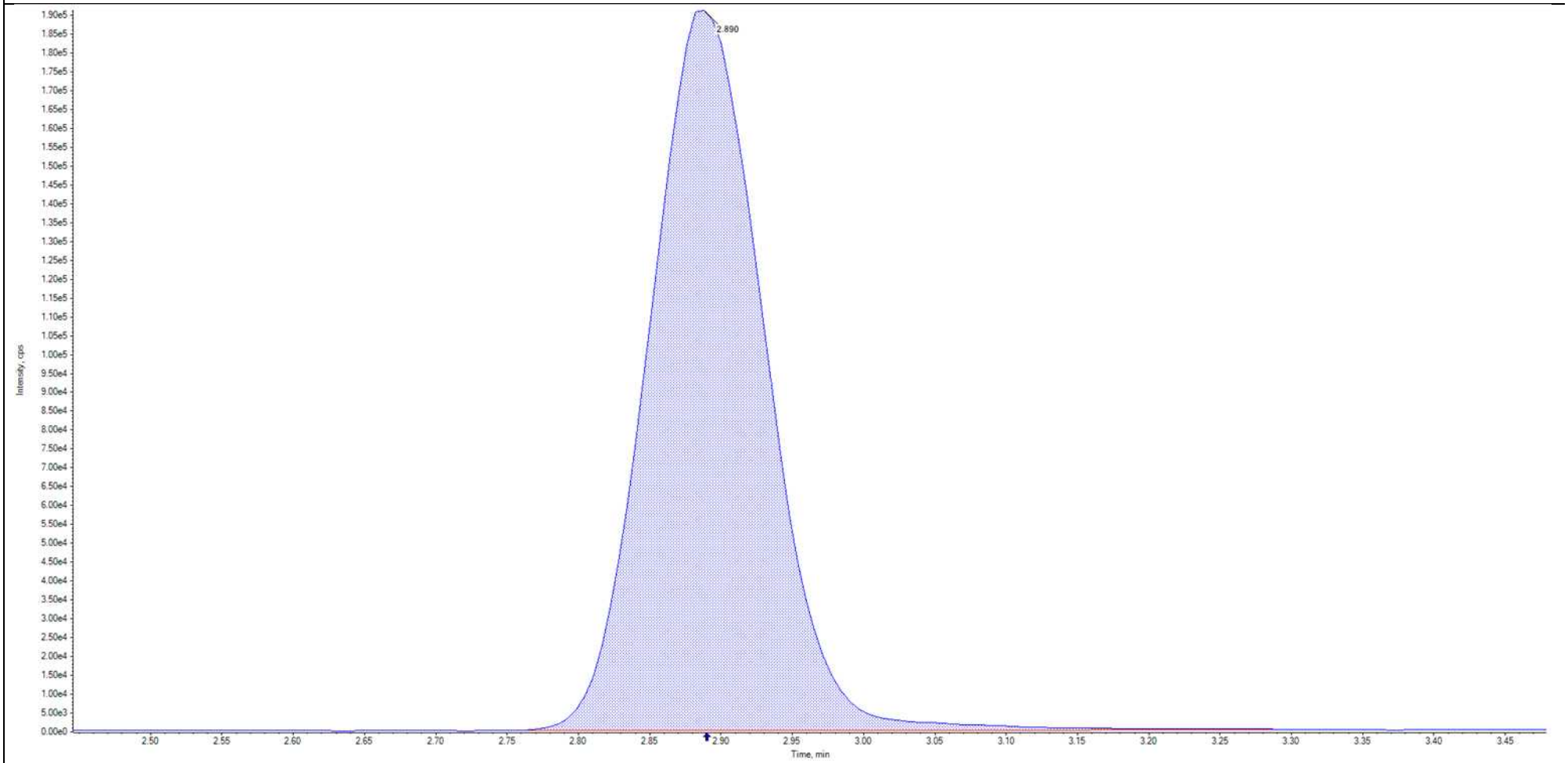


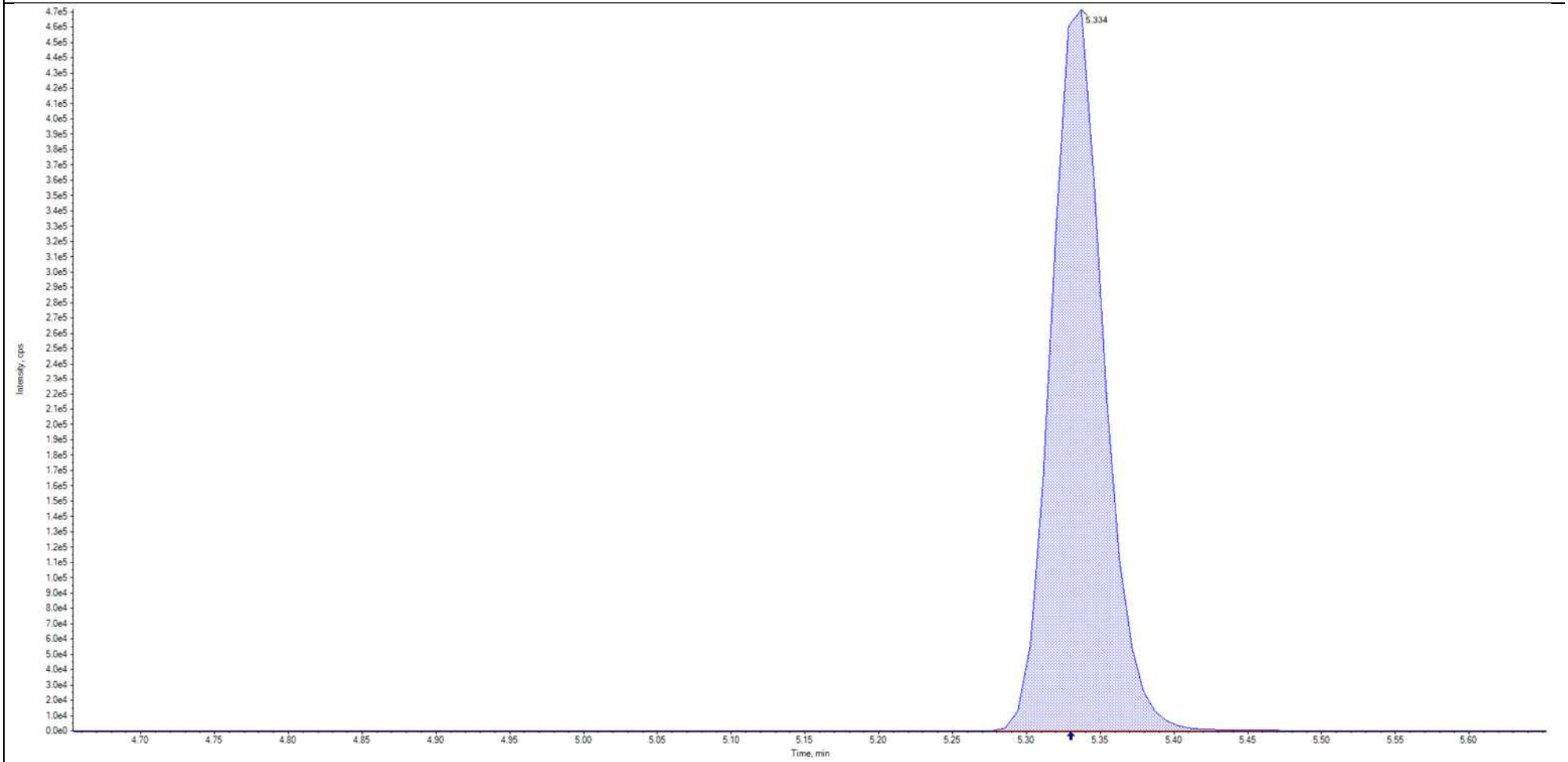
13C3-HFPO-DA
Sample: IA1633STD-.1



13C3-PFBA
Sample: IA1633STD-.1



13C2-PFHxA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_71.wiff
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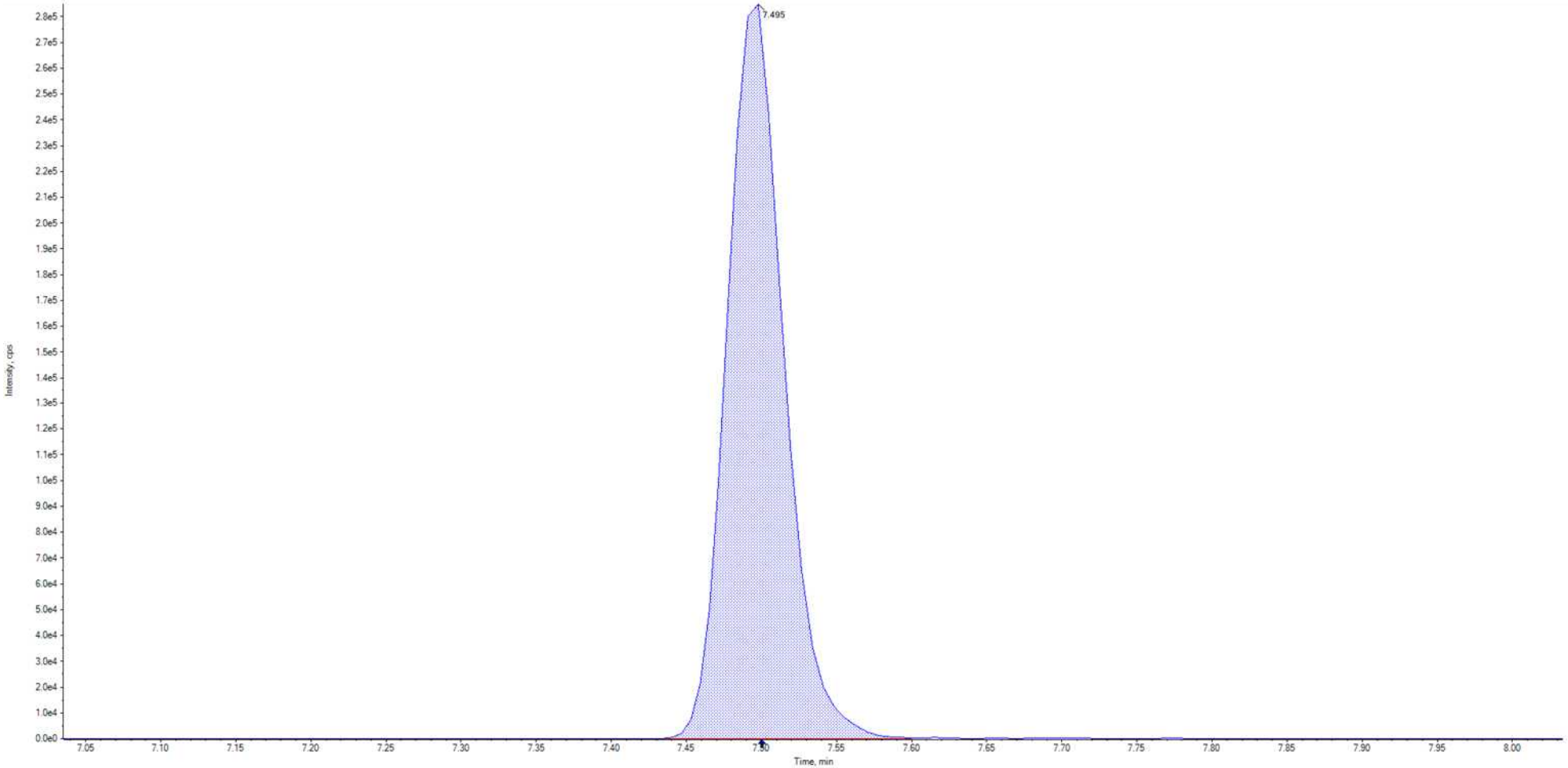
Generated: 8/14/2024 6:27:11 AM

13C4-PFOA
Sample: IA1633STD-.1



13C5-PFNA
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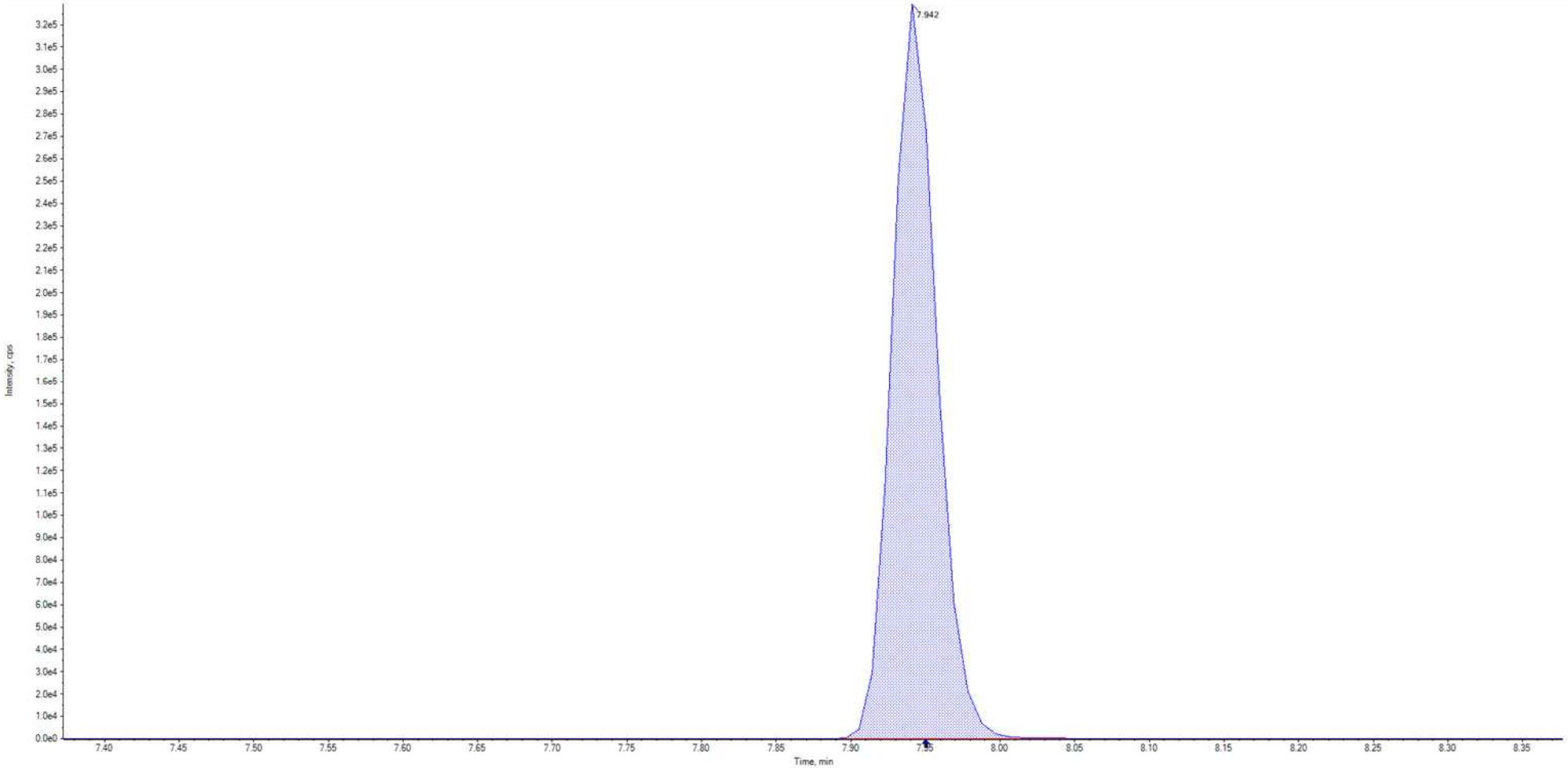
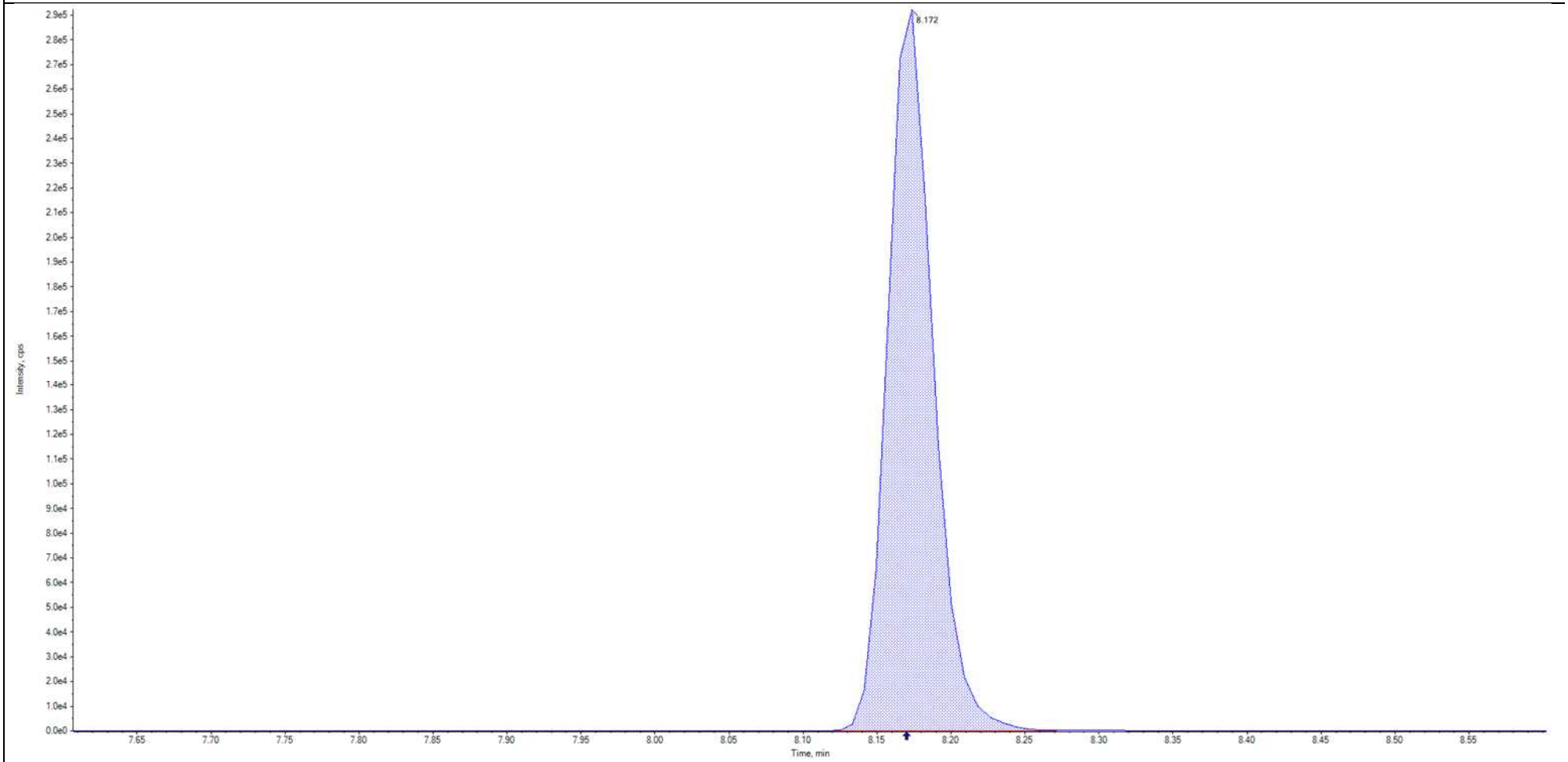
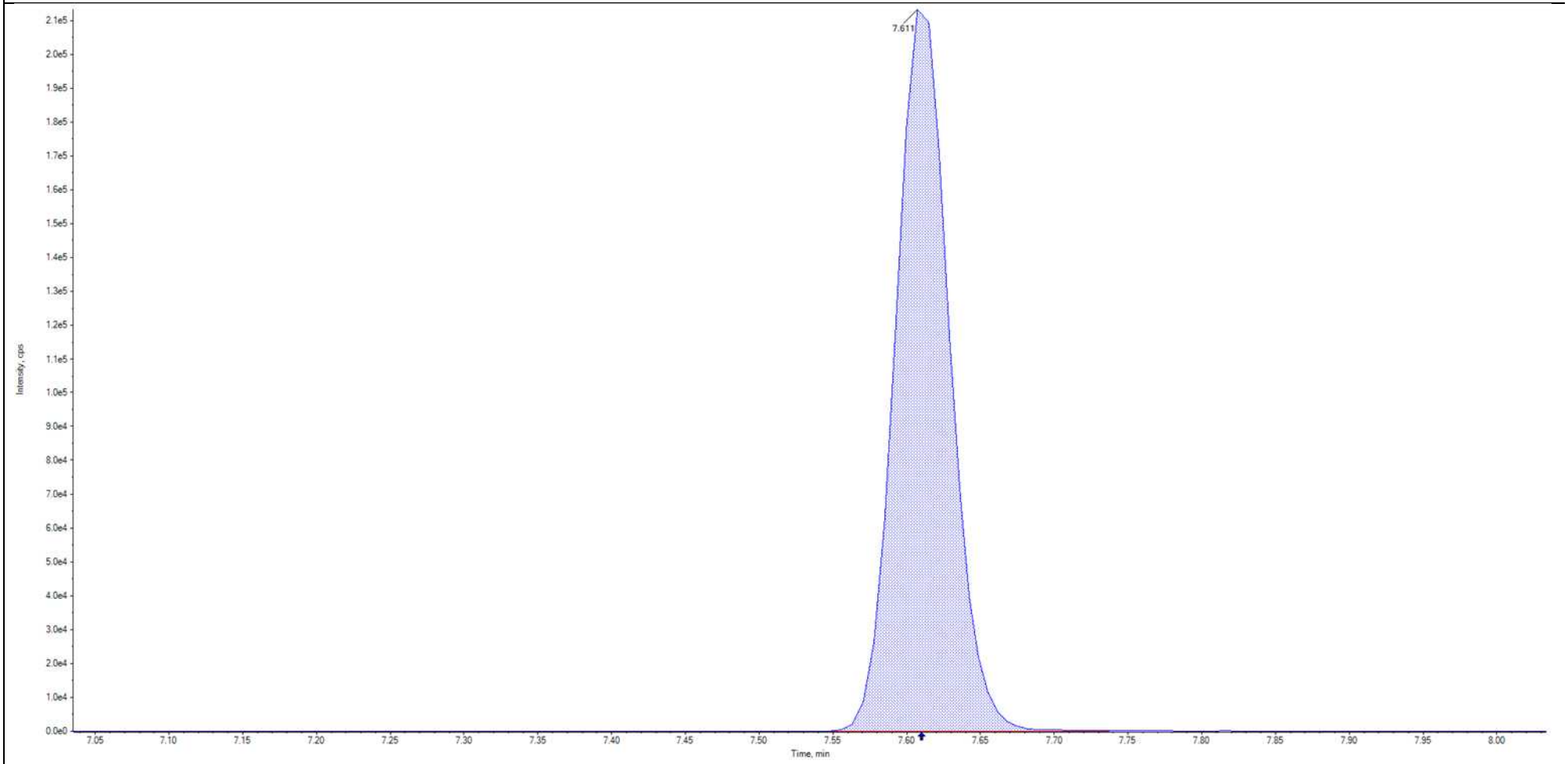


13C2-PFDA
Sample: IA1633STD-.1



18O2-PFHxS
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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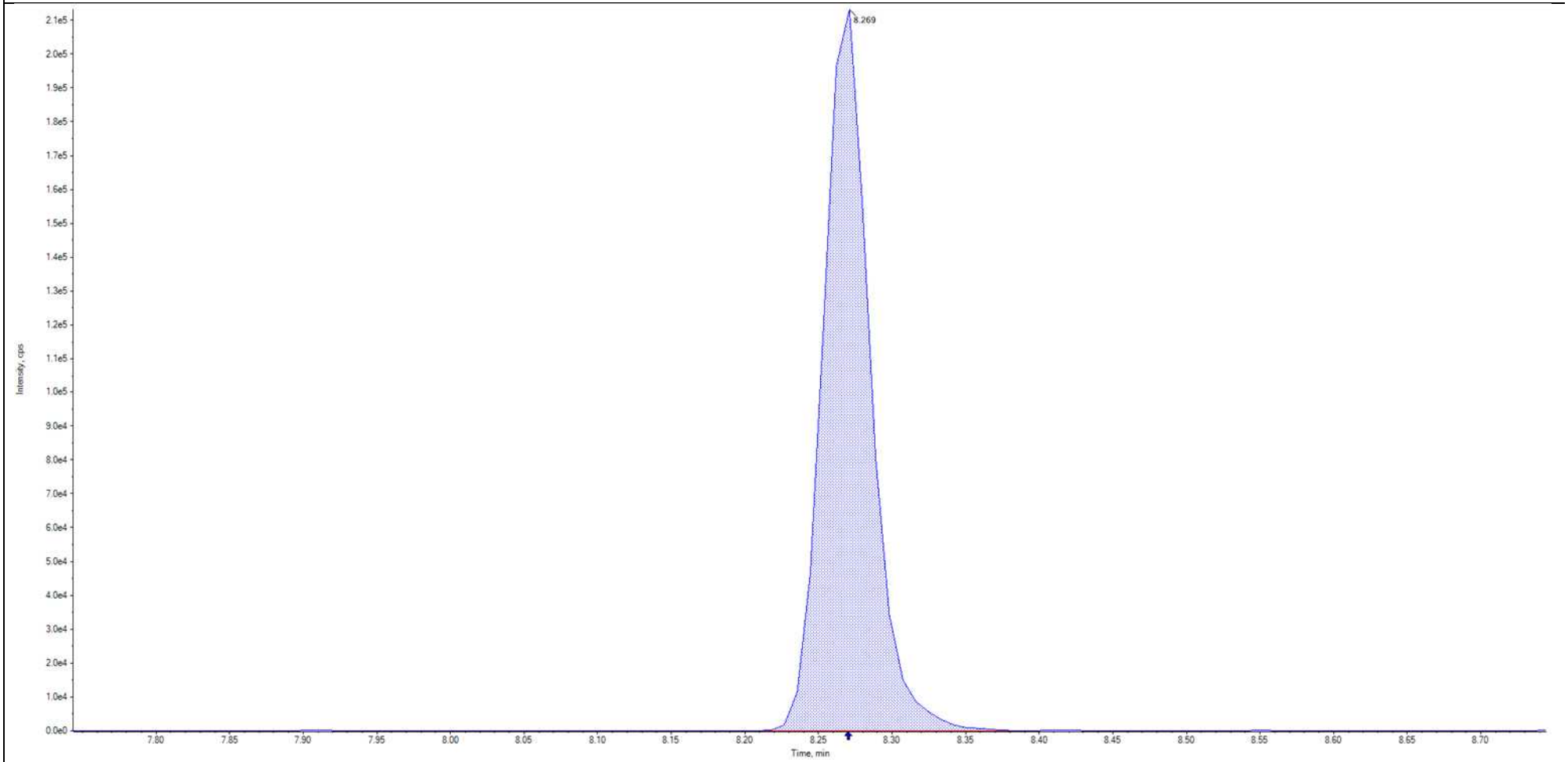
Generated: 8/14/2024 6:27:11 AM

13C4-PFOS
Sample: IA1633STD-.1



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:35:14 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-.2
Name: SCI05_240813_72.wiff
Date & Time: 2024-08-13T22:03:10
Description: WG1958909,,,80 ul IA1633STD-2.5
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.90	213.0 / 169.0	159293		0.758	N/A	N/A	N/A	94.7
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	115247		0.373	0.007	0.007	N/A	93.3
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	814		0.373	0.007	0.007	N/A	93.3
4	PFHxA	307-24-4	5.34	313.0 / 269.0	99881		0.189	0.073	0.072	Pass	94.7
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	7259		0.186	0.073	0.072	Pass	93.2
6	PFHpA	375-85-9	6.25	363.1 / 319.0	96463		0.194	0.304	0.297	Pass	96.9
7	PFHpA_2	375-85-9	6.24	363.1 / 169.0	29309		0.192	0.304	0.297	Pass	96.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	61419	M5	0.189	0.551	0.586	Pass	94.7
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	33854	M7	0.191	0.551	0.586	Pass	95.3
10	PFNA	375-95-1	7.95	462.8 / 418.9	81852	M5	0.184	0.299	0.313	Pass	92.2
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	24484	M7	0.180	0.299	0.313	Pass	90.2
12	PFDA	335-76-2	8.18	513.1 / 469.1	96779		0.188	0.144	0.142	Pass	94.2
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	13960		0.181	0.144	0.142	Pass	90.7
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	70846		0.186	0.184	0.194	Pass	93.2
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	13047		0.177	0.184	0.194	Pass	88.6
16	PFDoA	307-55-1	8.91	613.1 / 569.1	71799		0.191	0.161	0.167	Pass	95.4
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	11588		0.182	0.161	0.167	Pass	91.2
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	41986		0.187	0.210	0.228	Pass	93.7
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	8820		0.177	0.210	0.228	Pass	88.3
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	75539		0.183	0.149	0.137	Pass	91.4
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	11287		0.200	0.149	0.137	Pass	99.9
22	PFBS	375-73-5	5.31	299.1 / 80.1	57514		0.169	0.418	0.396	Pass	95.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.31	299.1 / 99.1	24034		0.177	0.418	0.396	Pass	99.7
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	49418		0.170	0.315	0.299	Pass	90.4
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	15586		0.178	0.315	0.299	Pass	94.5
26	PFHxS	355-46-4	7.61	399.1 / 80.1	50270	M5	0.185	0.324	0.315	Pass	101.2
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	16272	M7	0.193	0.324	0.315	Pass	105.4
28	PFHpS	375-92-8	8.01	449.1 / 80.1	48727		0.175	0.290	0.287	Pass	91.6
29	PFHpS_2	375-92-8	8.01	449.1 / 99.1	14135		0.173	0.290	0.287	Pass	90.7
30	PFOS	1763-23-1	8.27	499.1 / 80.1	52468	M5	0.177	0.277	0.238	Pass	95.1
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	14513		0.199	0.277	0.238	Pass	107.4
32	PFNS	68259-12-1	8.63	549.1 / 80.1	34346		0.180	0.272	0.301	Pass	93.6
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	9345		0.162	0.272	0.301	Pass	84.1
34	PFDS	335-77-3	9.15	599.1 / 80.1	33457	M4	0.178	0.277	0.275	Pass	92.2
35	PFDS_2	335-77-3	9.15	599.1 / 99.1	9268	M7	0.179	0.277	0.275	Pass	92.7
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	31280		0.182	0.273	0.274	Pass	93.7
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	8548		0.181	0.273	0.274	Pass	93.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.13	327.1 / 307.1	102451		0.838	0.509	0.516	Pass	111.8
39	4:2FTS_2	757124-72-4	5.13	327.1 / 81.1	52133		0.797	0.509	0.516	Pass	106.3
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	54403		0.734	0.550	0.565	Pass	96.6
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	29907		0.746	0.550	0.565	Pass	98.2
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	67583		0.731	0.689	0.662	Pass	95.2
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	46542		0.742	0.689	0.662	Pass	96.6
44	PFOSA	754-91-6	9.54	498.1 / 78.1	48458	M5	0.180	0.031	0.025	Pass	89.8
45	PFOSA_2	754-91-6	9.55	498.1 / 478.0	1478	M7	0.209	0.031	0.025	Pass	104.4
46	NMeFOSA	31506-32-8	10.16	512.2 / 219.0	13659	M5	0.205	1.640	1.551	Pass	102.4
47	NMeFOSA_2	31506-32-8	10.14	512.2 / 169.0	22396	M7	0.217	1.640	1.551	Pass	108.4
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	12795	M5	0.174	1.323	1.285	Pass	87.2
49	NEtFOSA_2	4151-50-2	10.35	526.2 / 169.0	16933	M7	0.172	1.323	1.285	Pass	86.2
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	19476		0.179	0.684	0.700	Pass	89.4
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	13326	M7	0.192	0.684	0.700	Pass	96.1
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	14442		0.202	0.335	0.487	Pass	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	4835		0.147	0.335	0.487	Pass	73.3
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	220343	M5	1.890	N/A	N/A	N/A	94.5
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	414400	M5	1.896	N/A	N/A	N/A	94.8
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	196682		0.778	0.490	0.464	Pass	97.3
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	96318		0.819	0.490	0.464	Pass	102.4
58	ADONA	919005-14-4	6.72	377.1 / 251.0	425384		0.740	0.661	0.634	Pass	97.9
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	281078		0.756	0.661	0.634	Pass	100.0
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	444386		0.784	0.324	0.322	Pass	104.8
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	143827		0.779	0.324	0.322	Pass	104.2
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	265657		0.742	0.344	0.331	Pass	98.2
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	91393		0.759	0.344	0.331	Pass	100.3
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	23352	M4	0.872	1.109	1.074	Pass	87.2
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	25907	M7	0.965	1.109	1.074	Pass	96.5
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	457091		4.778	0.926	0.953	Pass	95.6
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	423321		4.676	0.926	0.953	Pass	93.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	583552		5.479	1.499	1.558	Pass	109.6
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	874662		5.659	1.499	1.558	Pass	113.2
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	304483		0.333	0.084	0.087	Pass	93.5
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	25431		0.322	0.084	0.087	Pass	90.4
72	PFMPA	377-73-1	3.85	229.0 / 85.0	14165		0.379	N/A	N/A	N/A	94.7
73	PFMBA	863090-89-5	4.87	279.0 / 85.0	191221		0.379	N/A	N/A	N/A	94.8
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	37544		0.390	1.025	0.910	Pass	97.4
75	NFDHA_2	151772-58-6	5.25	295.0 / 84.9	38493		0.436	1.025	0.910	Pass	109.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	946281		5.197	N/A	N/A	N/A	103.9
79	13C2-PFOA	Surr	7.49	415.0 / 370.0	3366661		2.612	N/A	N/A	N/A	104.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2591876		10.436	NA	NA	NA	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.63	268.0 / 223.0	1675260		5.422	NA	NA	NA	108.4
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1082049		2.666	NA	NA	NA	106.6
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1063160		2.616	NA	NA	NA	104.7
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1558358		2.677	NA	NA	NA	107.1
	13C9-PFNA	EIS	7.94	472.0 / 427.0	758091		1.344	NA	NA	NA	107.6
	13C6-PFDA	EIS	8.17	519.0 / 474.0	744977		1.308	NA	NA	NA	104.7
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	601558		1.306	NA	NA	NA	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	361624		1.207	NA	NA	NA	96.5
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	412218		1.267	NA	NA	NA	101.4
	13C3-PFBS	EIS	5.31	302.1 / 80.1	812389		2.395	NA	NA	NA	102.8
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	681091		2.528	NA	NA	NA	106.7
	13C8-PFOS	EIS	8.27	507.1 / 80.1	723513		2.547	NA	NA	NA	106.4
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	292510		4.831	NA	NA	NA	103.0
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	214797		4.841	NA	NA	NA	101.8
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	350131		5.392	NA	NA	NA	112.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	1009281		2.673	NA	NA	NA	106.9
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	155680		2.449	NA	NA	NA	98.0
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	167060		2.690	NA	NA	NA	107.6
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	828197		5.763	NA	NA	NA	115.3
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	384156		5.087	NA	NA	NA	101.7
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1181472		24.067	NA	NA	NA	96.3
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1862081		25.728	NA	NA	NA	102.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2757253		10.251	NA	NA	NA	102.5
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1086405		5.081	NA	NA	NA	101.6
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1205069		2.461	NA	NA	NA	98.4
	13C4-PFOA	NIS	7.49	417.0 / 372.0	761506		2.433	NA	NA	NA	97.3
	13C5-PFNA	NIS	7.94	468.0 / 423.0	686977		1.254	NA	NA	NA	100.3
	13C2-PFDA	NIS	8.17	515.1 / 470.1	668959		1.306	NA	NA	NA	104.4
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	547668		2.338	NA	NA	NA	98.6
	13C4-PFOS	NIS	8.27	503.1 / 80.1	502439		2.386	NA	NA	NA	99.6

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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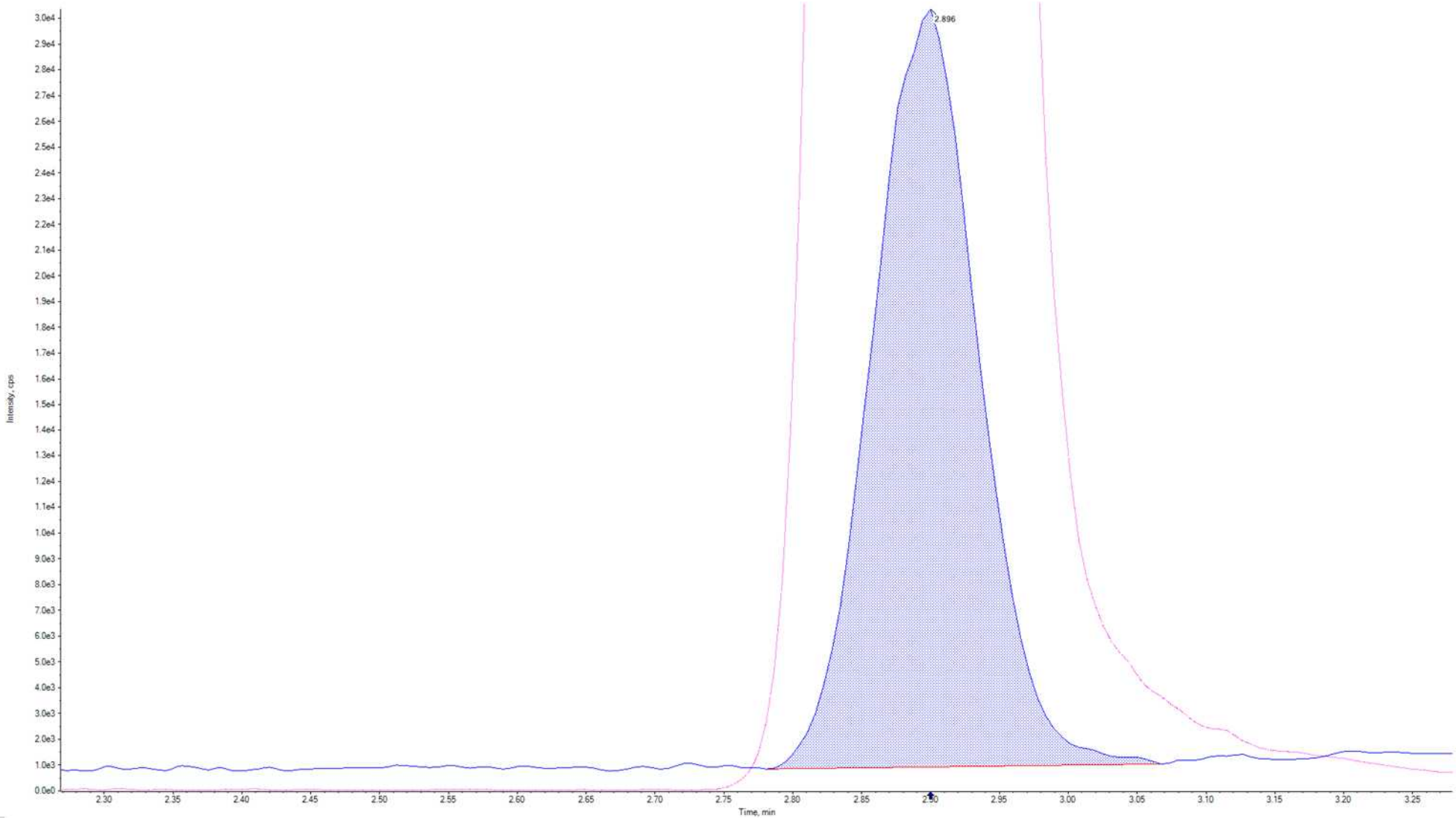
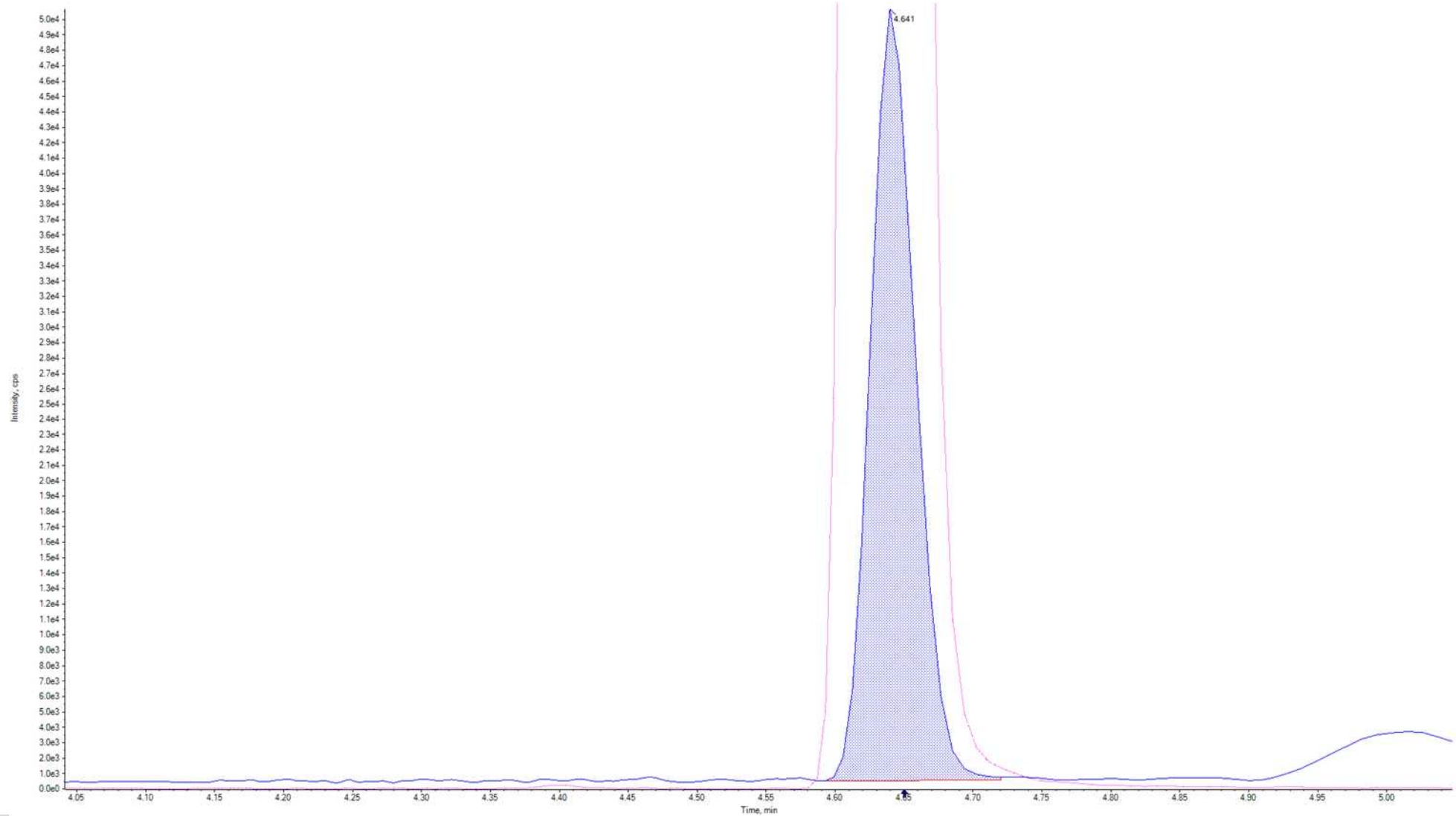
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBA
Sample: IA1633STD-.2 S/N:547.7 Points Across peak:49



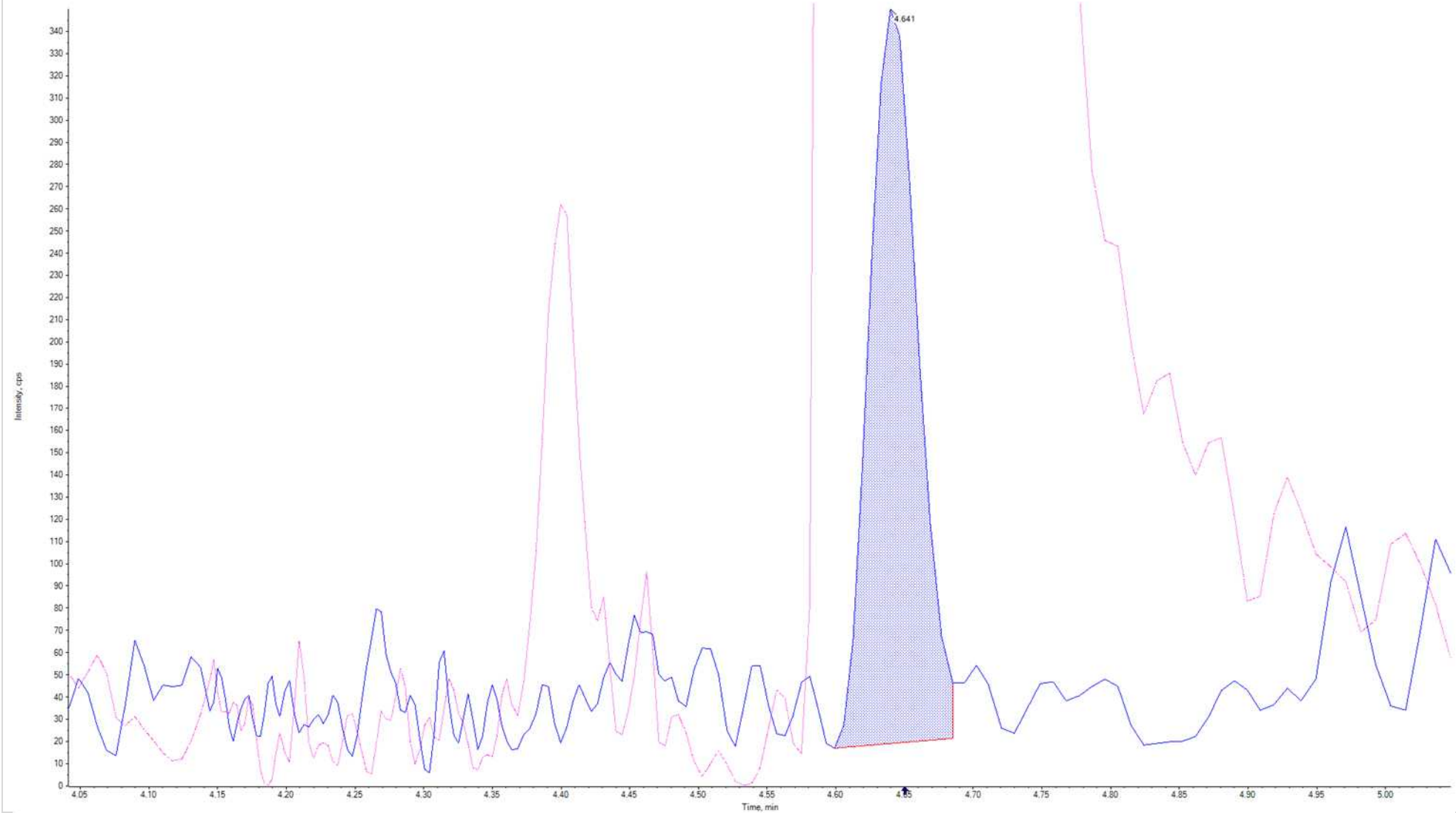
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-.2 S/N:386.8 Points Across peak:18



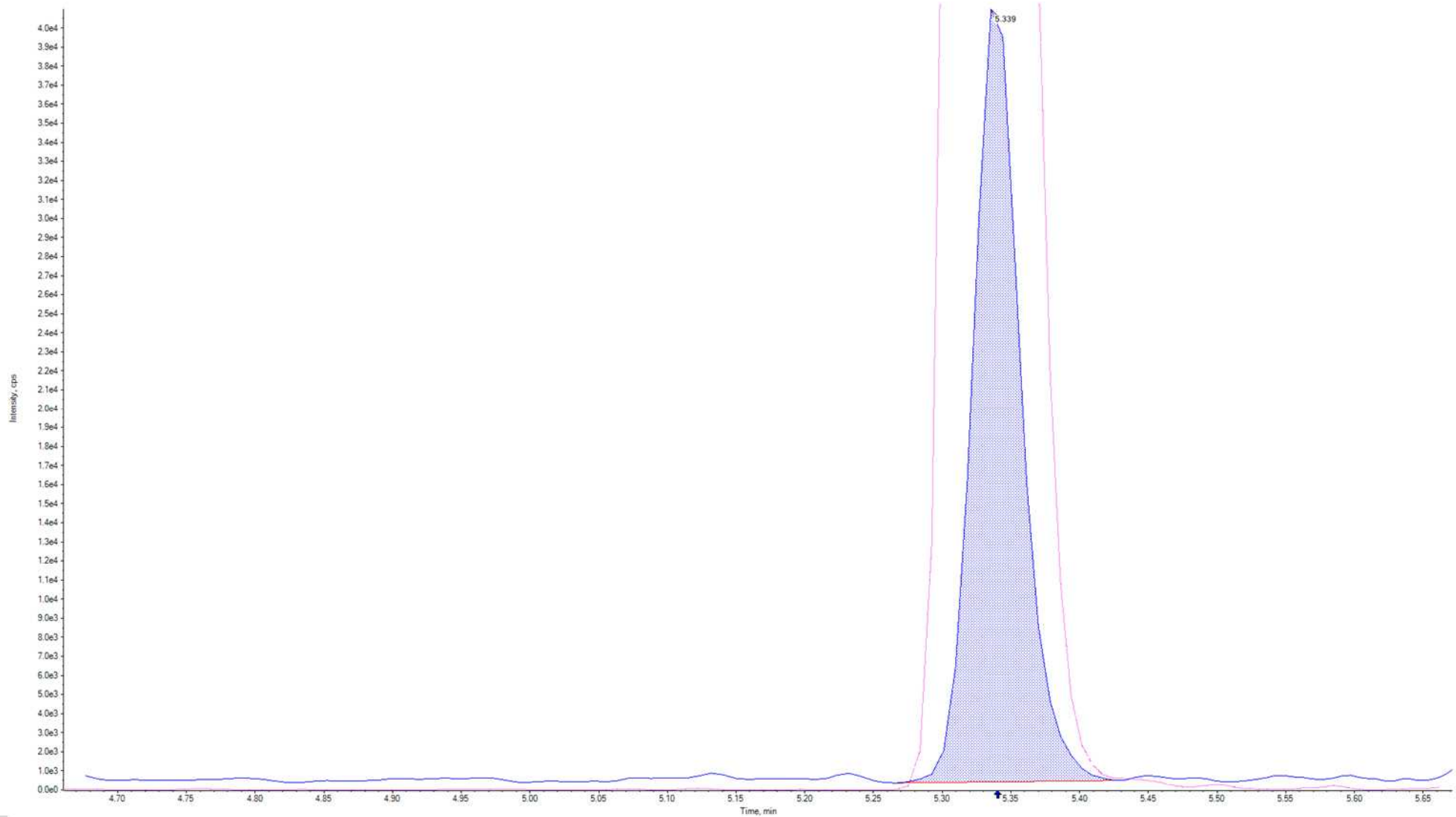
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-.2 S/N:76.5 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-.2 S/N:306.5 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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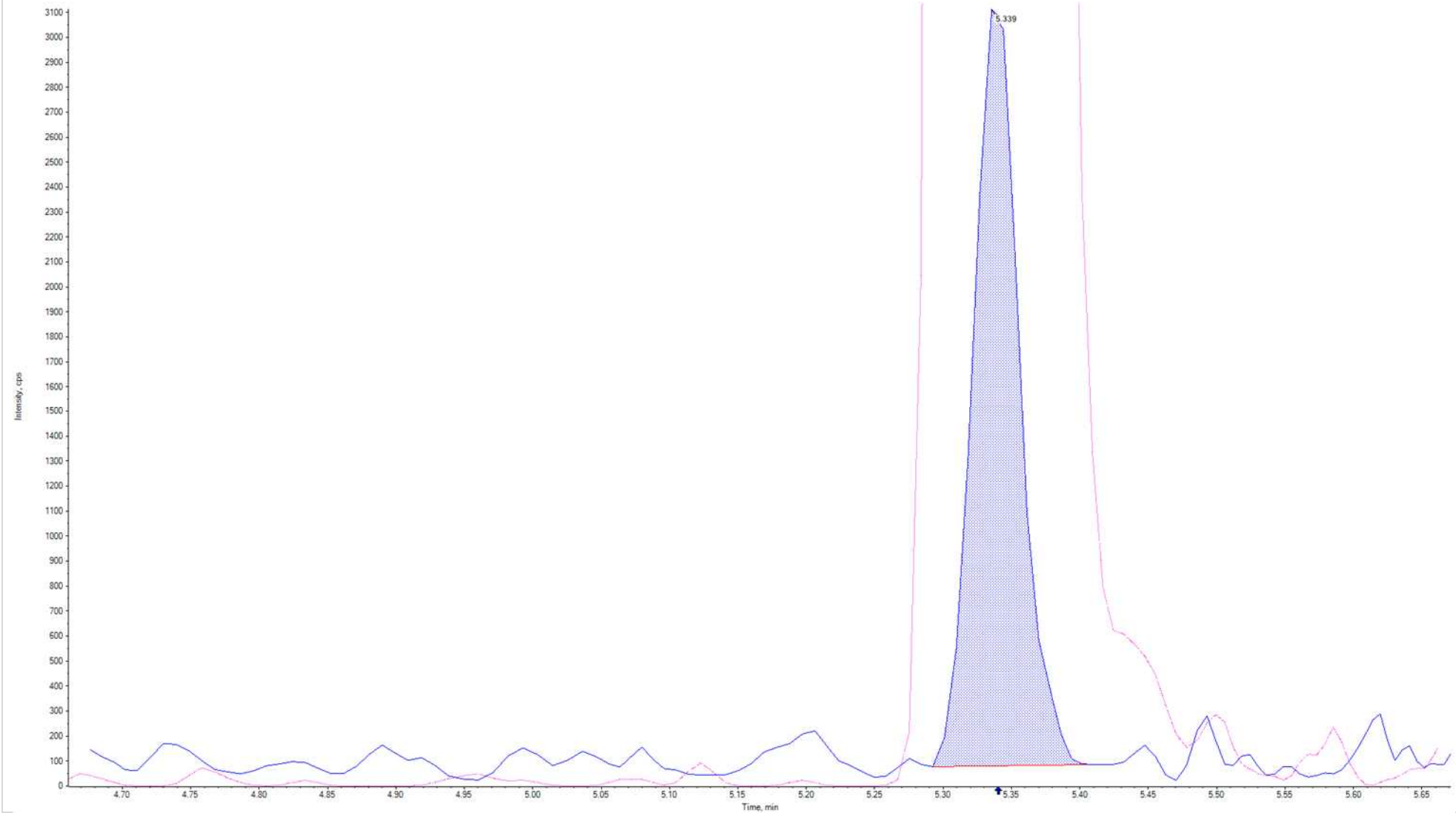
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-.2 S/N:184.7 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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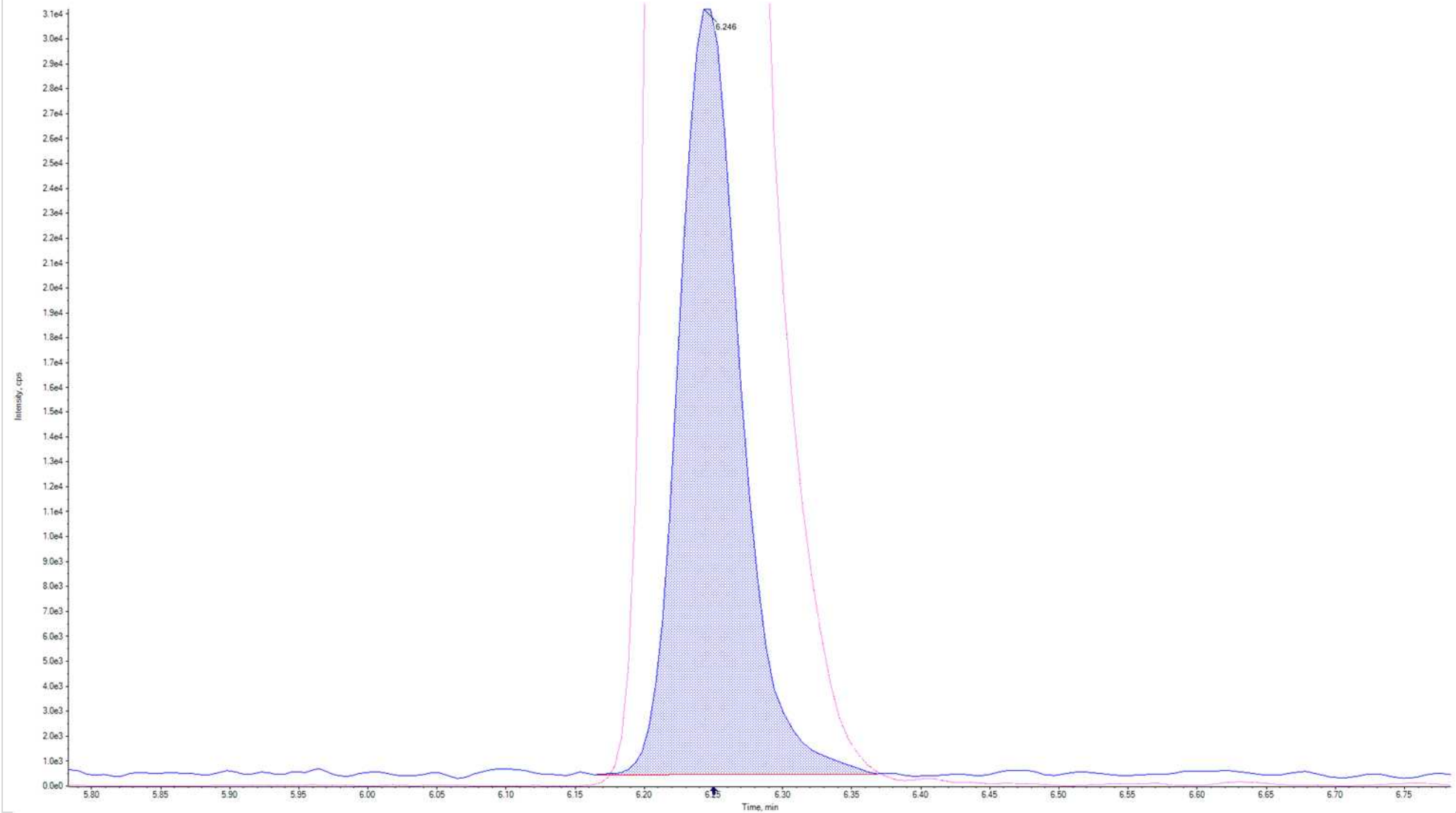
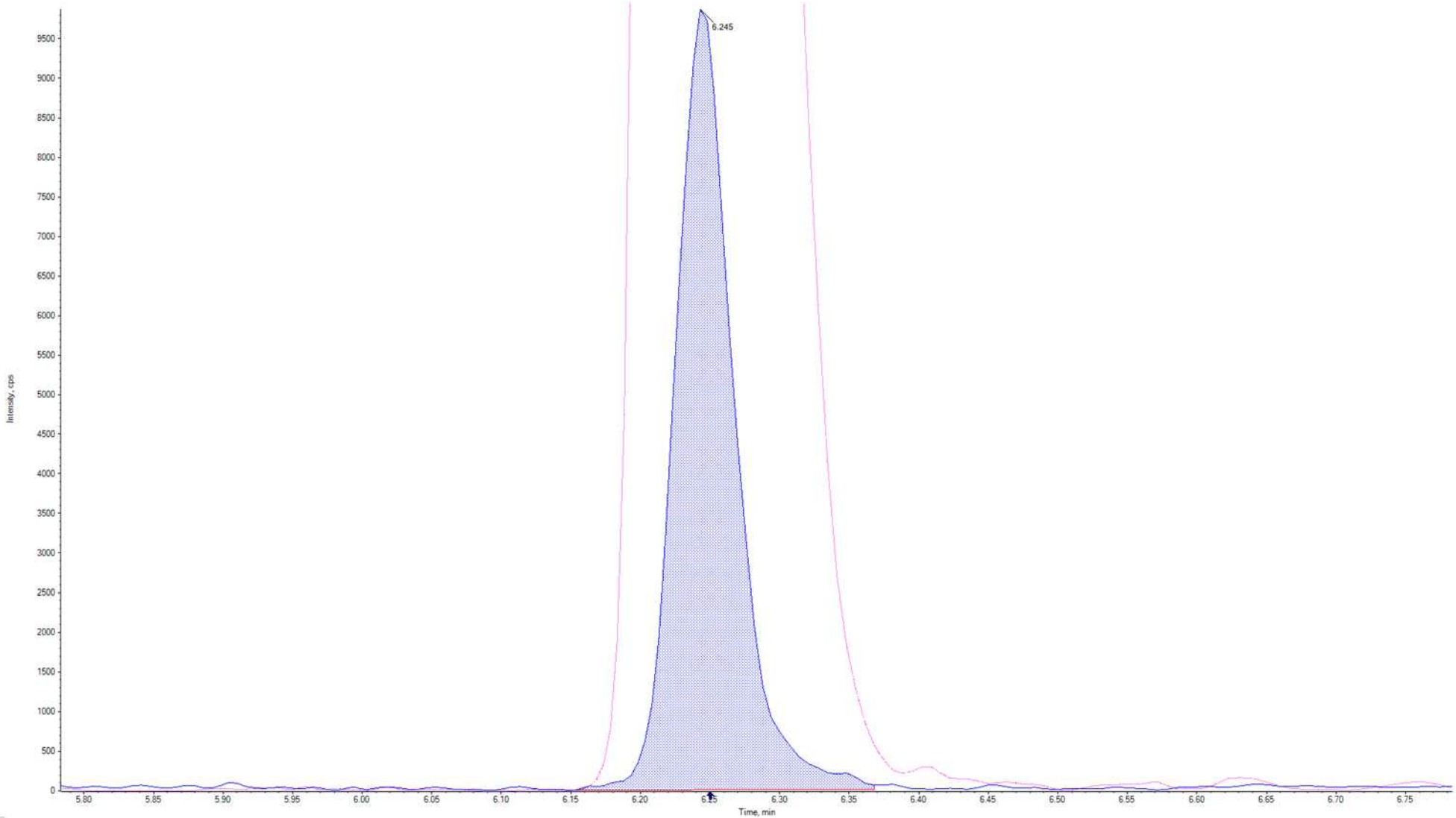
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA
Sample: IA1633STD-.2 S/N:556.7 Points Across peak:37



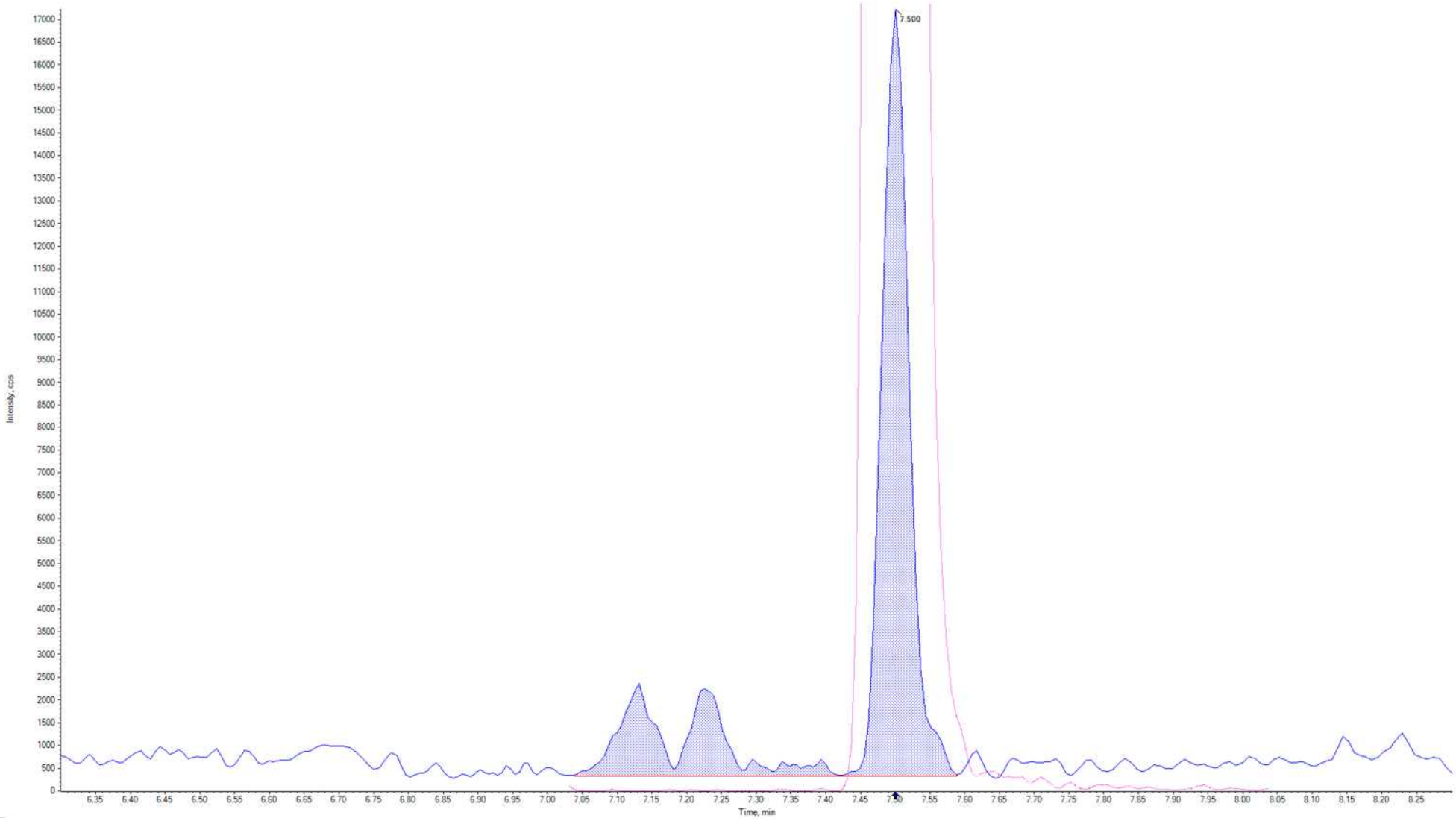
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-.2 S/N:1481.4 Points Across peak:40



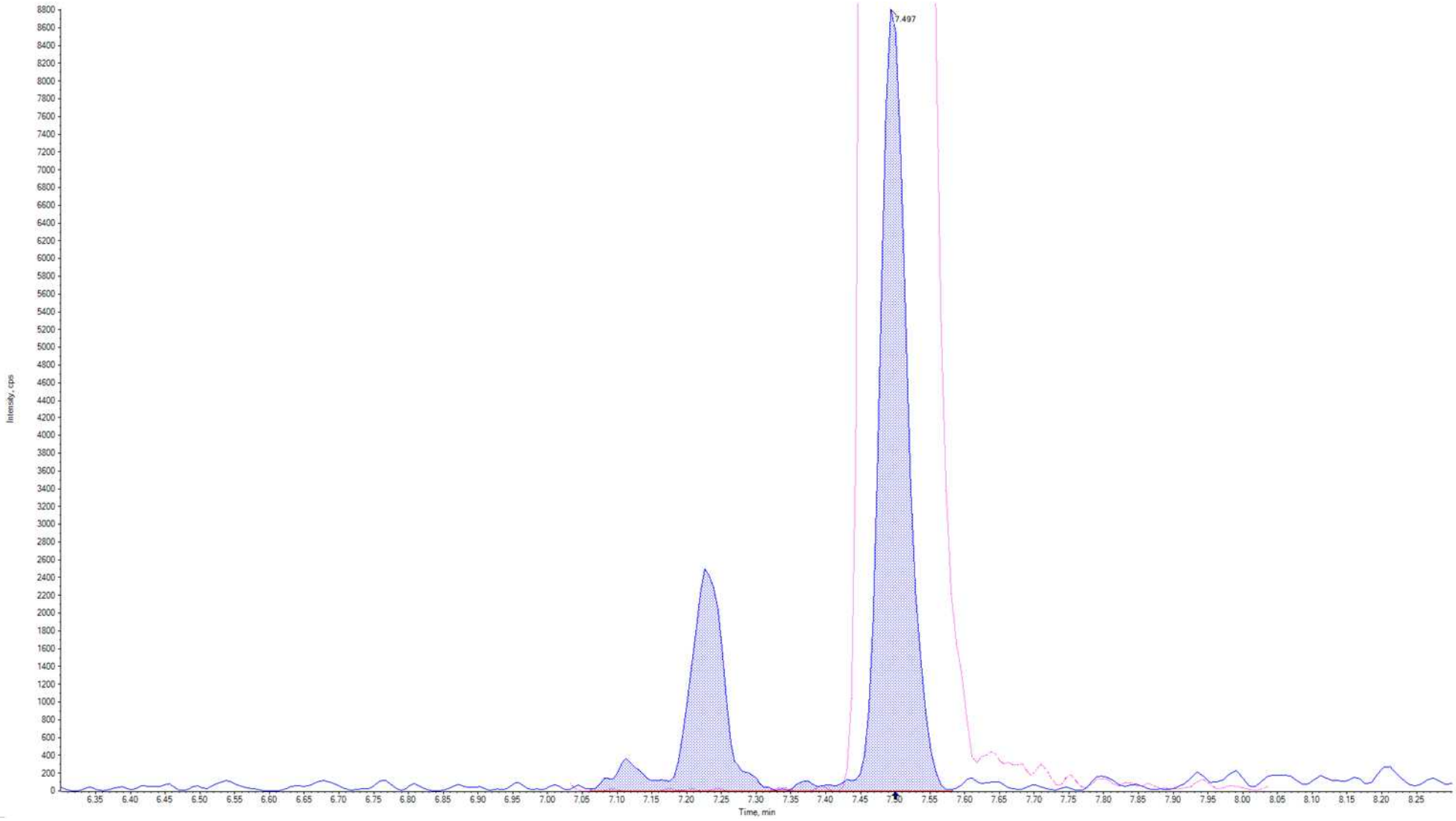
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-.2 S/N:276.3 Points Across peak:91



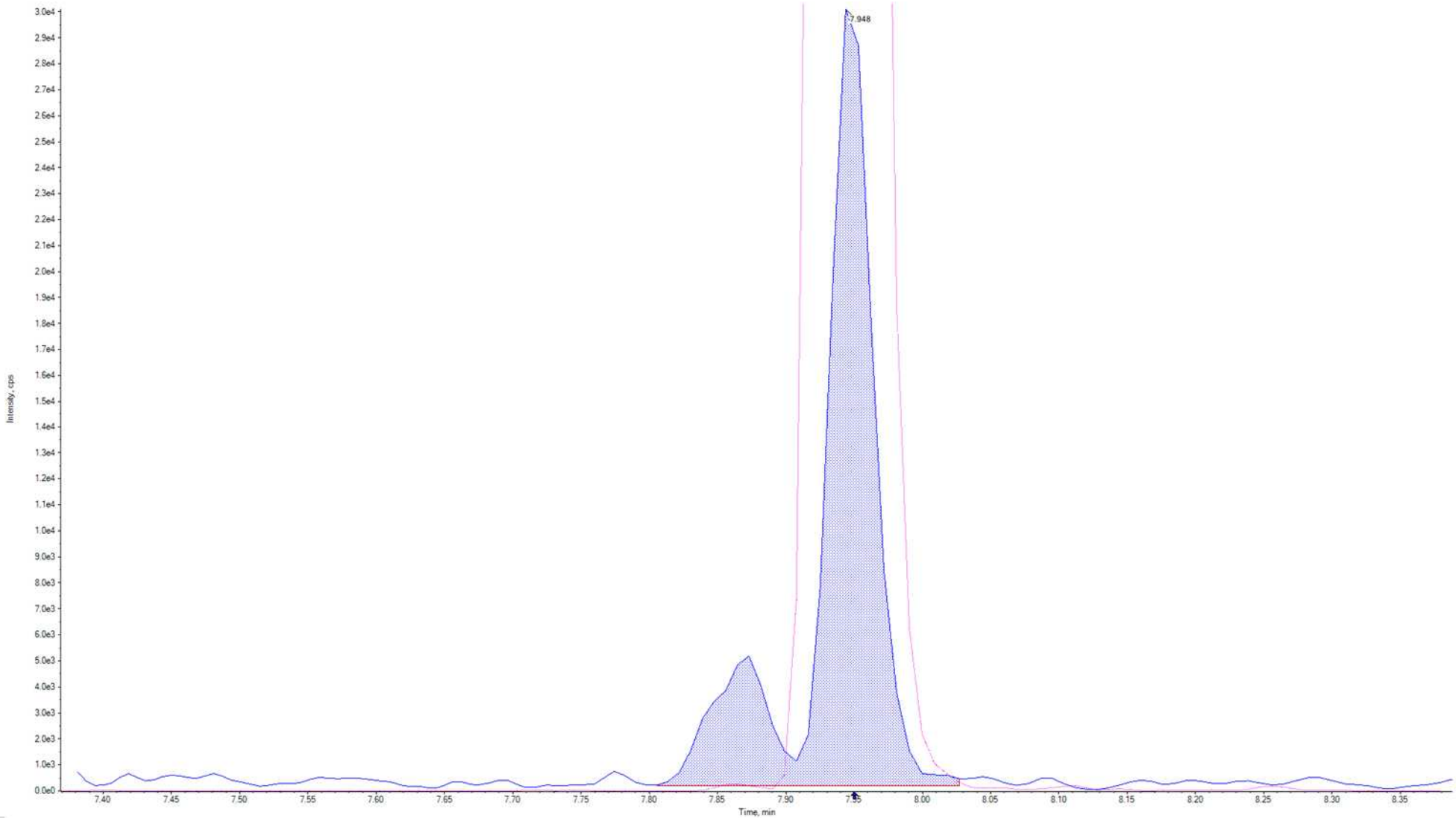
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-.2 S/N:3851.6 Points Across peak:87



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-.2 S/N:518.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
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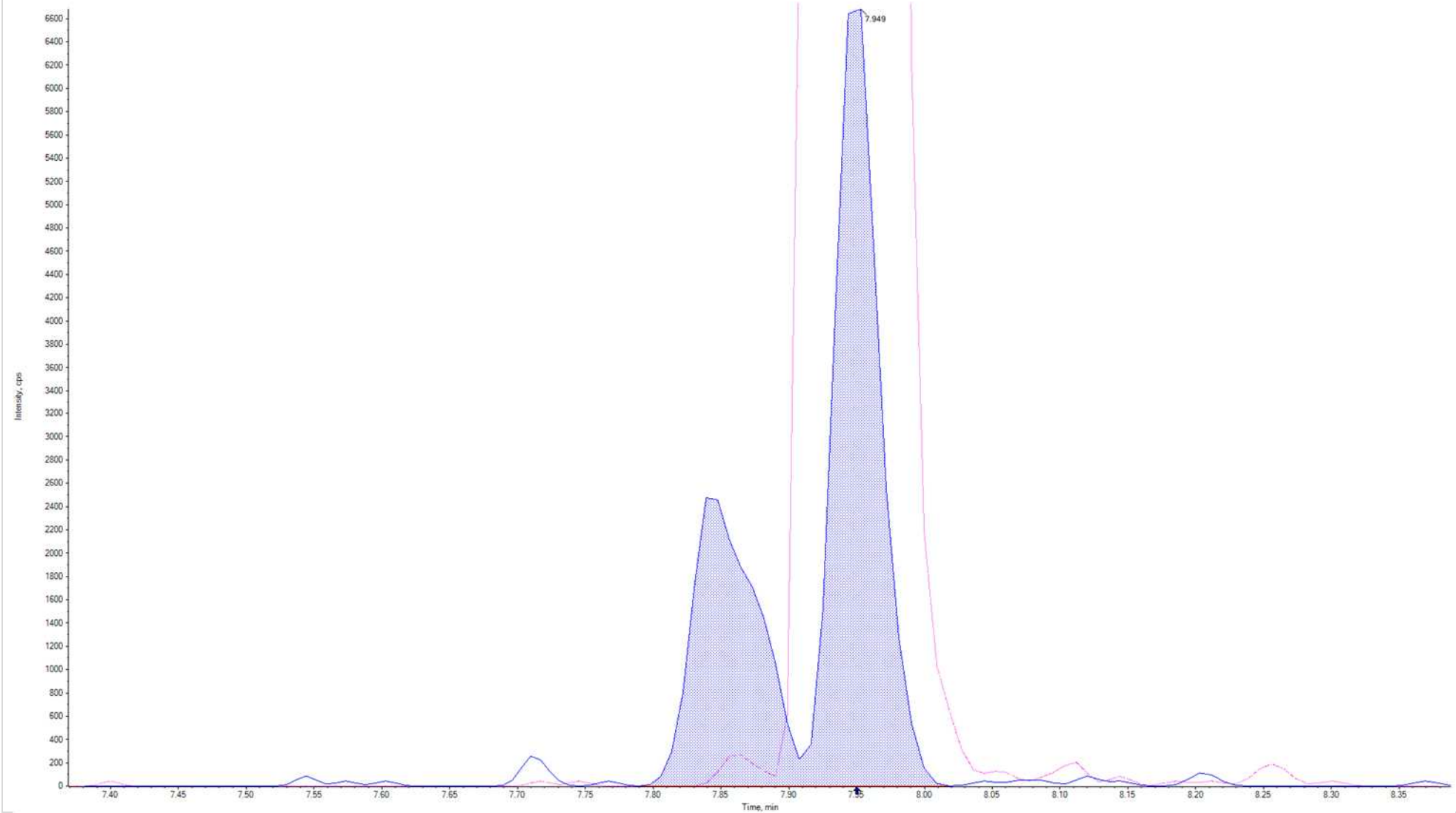
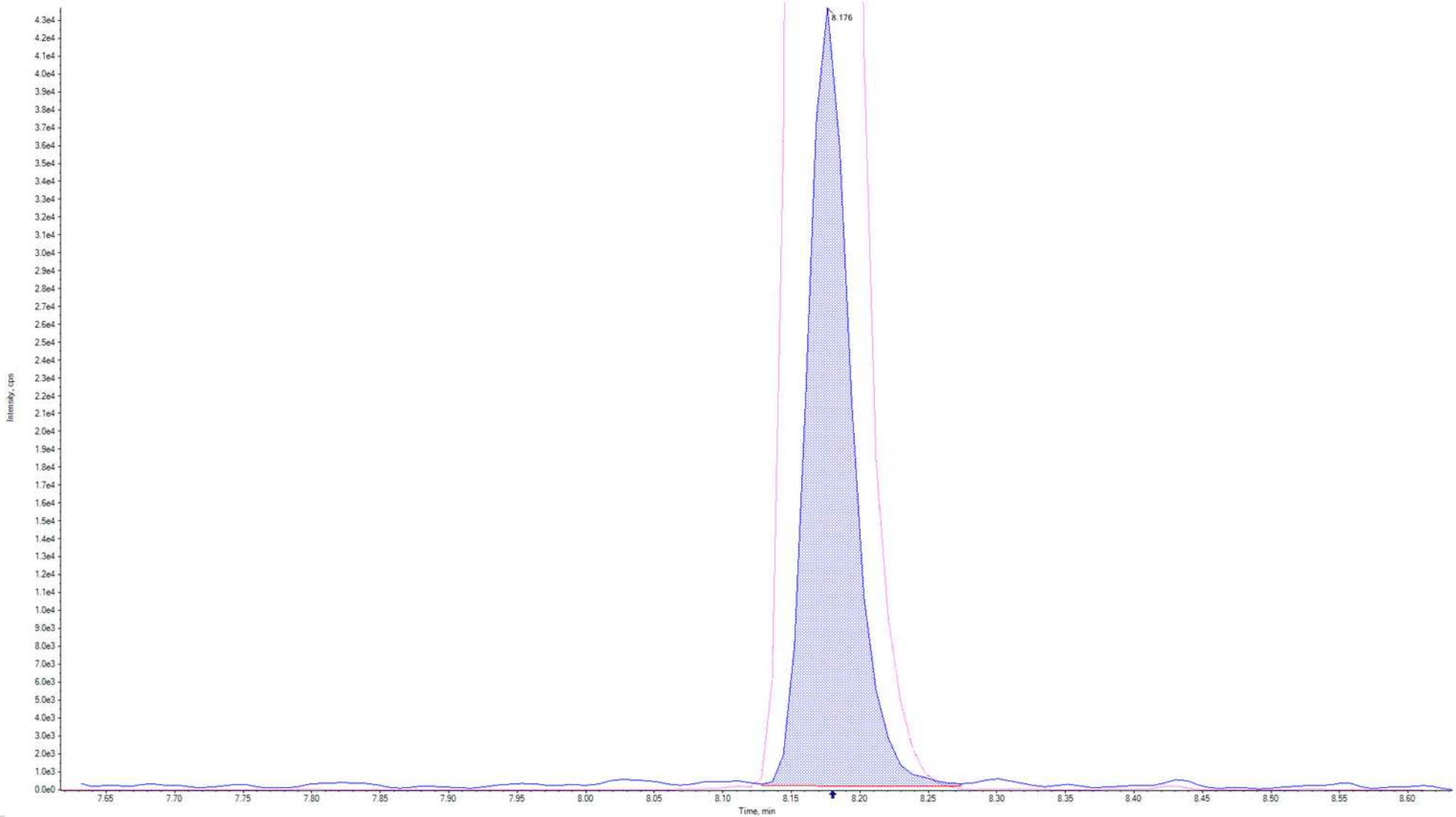
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-.2 S/N:316.3 Points Across peak:29



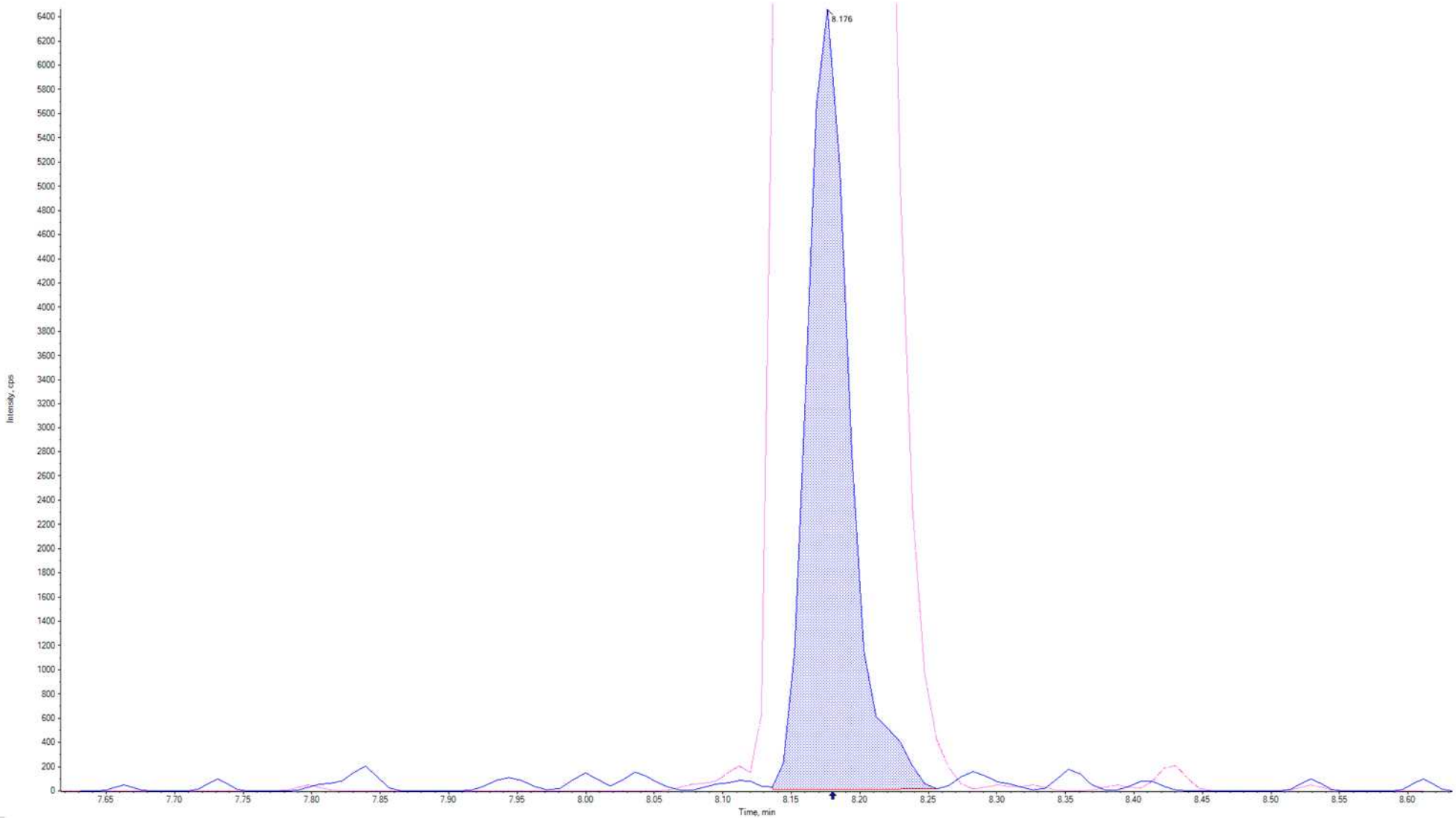
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-.2 S/N:979.9 Points Across peak:18



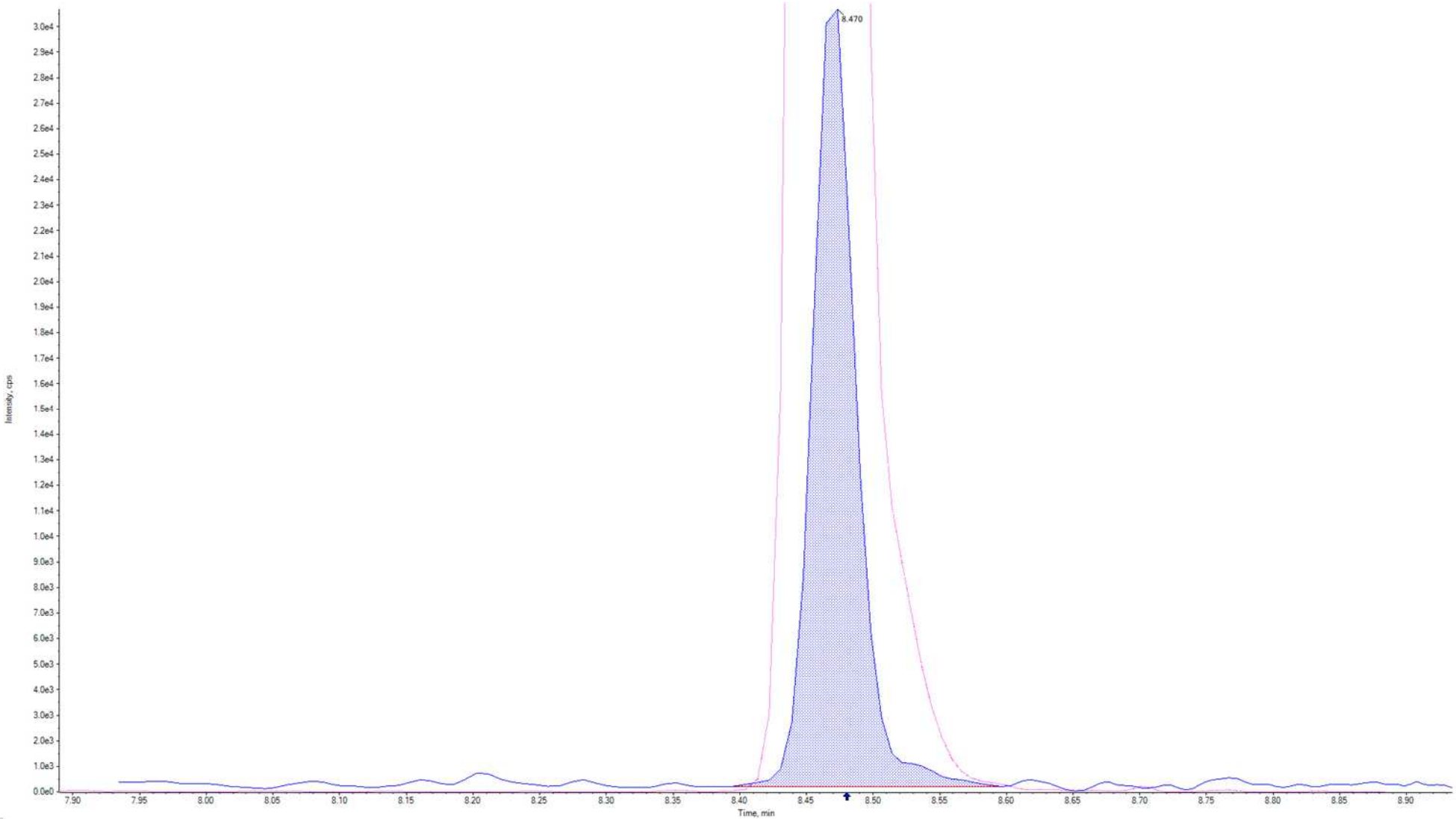
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-.2 S/N:1730538.9 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-.2 S/N:703.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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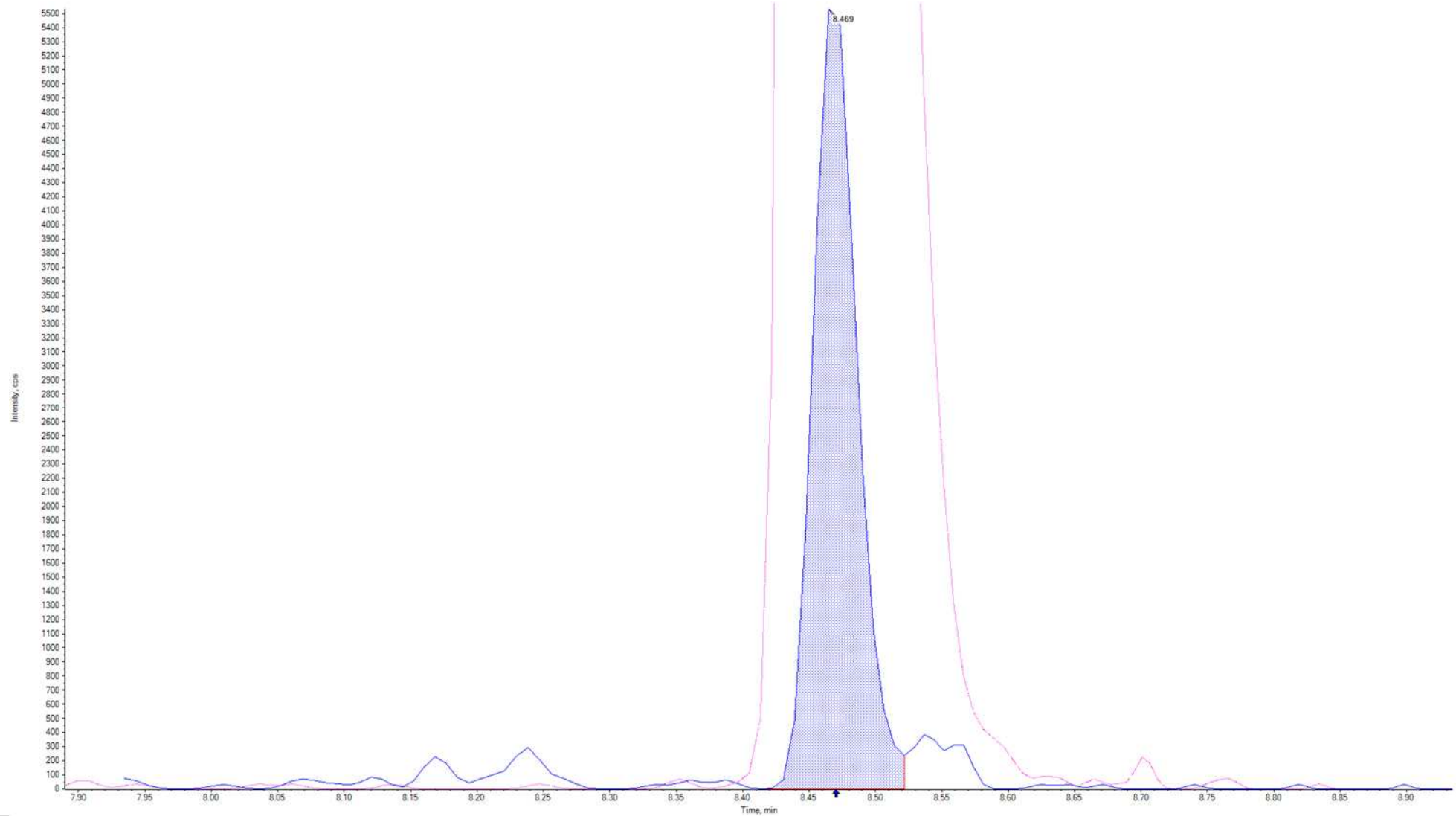
Generated: 8/14/2024 6:27:11 AM

PFUnA_2
Sample: IA1633STD-.2 S/N:349.7 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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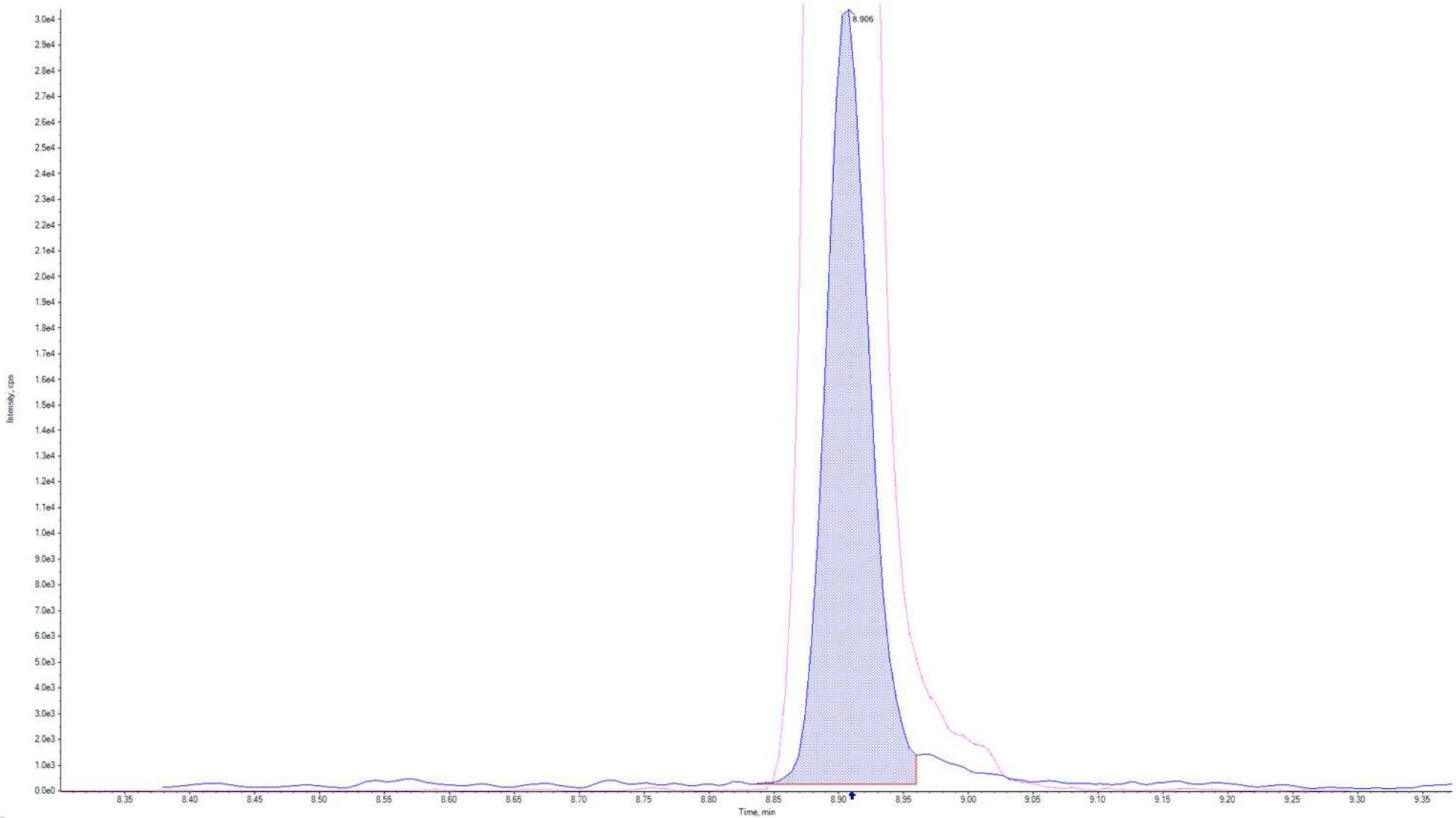
Generated: 8/14/2024 6:27:11 AM

PFDoA
Sample: IA1633STD-.2 S/N:923.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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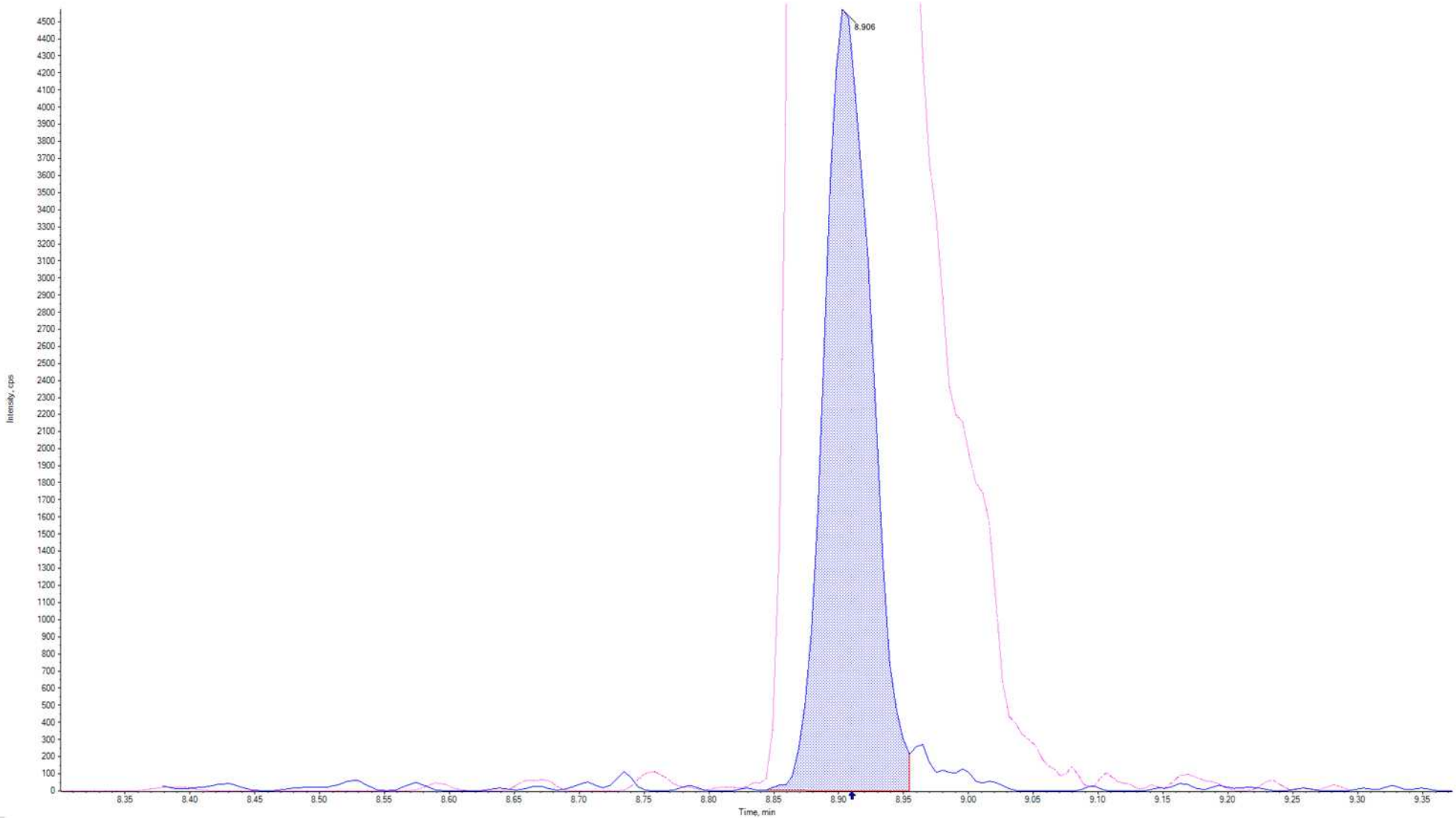
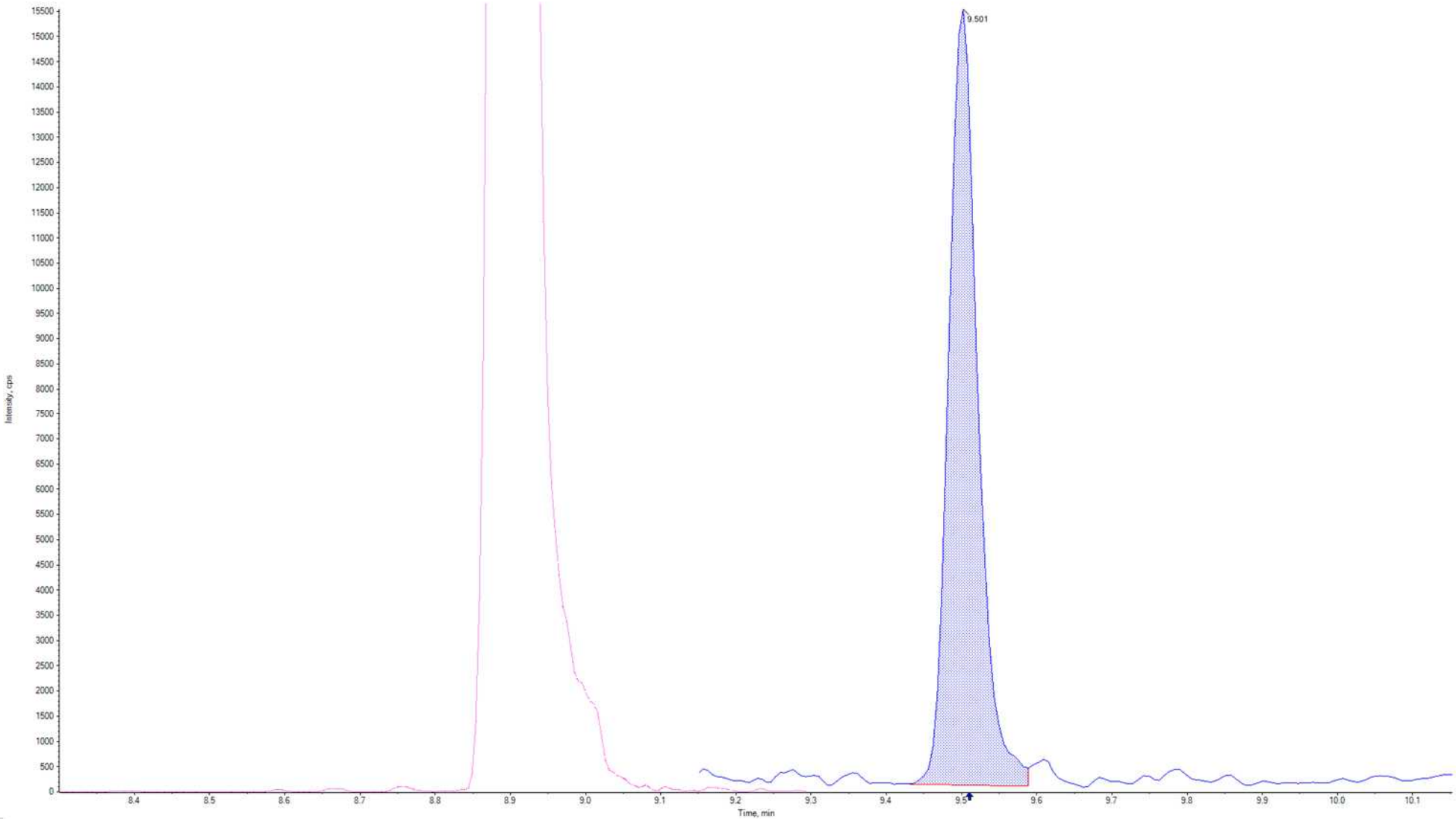
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoA_2
Sample: IA1633STD-.2 S/N:3907304.1 Points Across peak:24



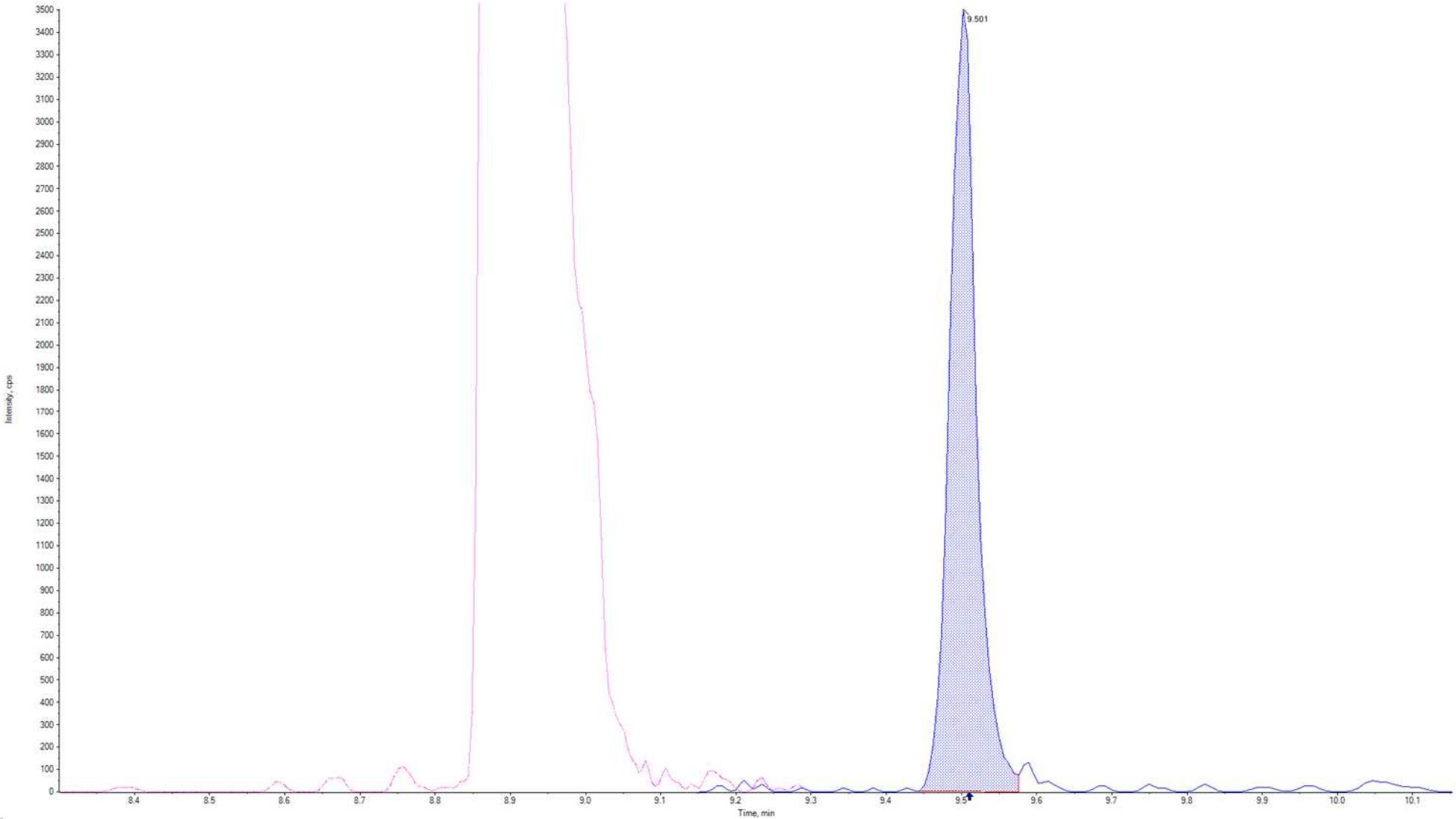
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTrDA
Sample: IA1633STD-.2 S/N:420.0 Points Across peak:28



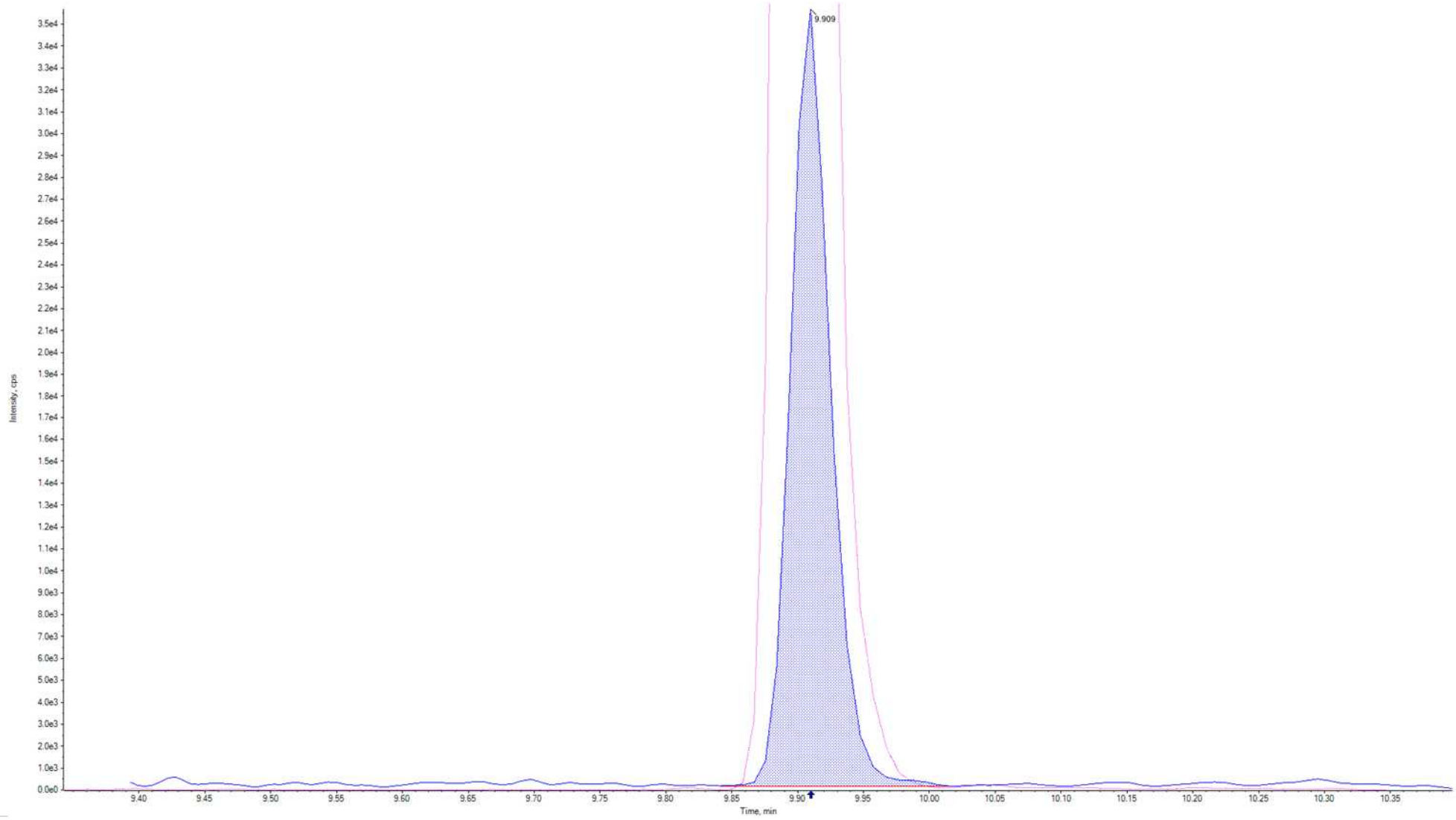
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-.2 S/N:18118.9 Points Across peak:24



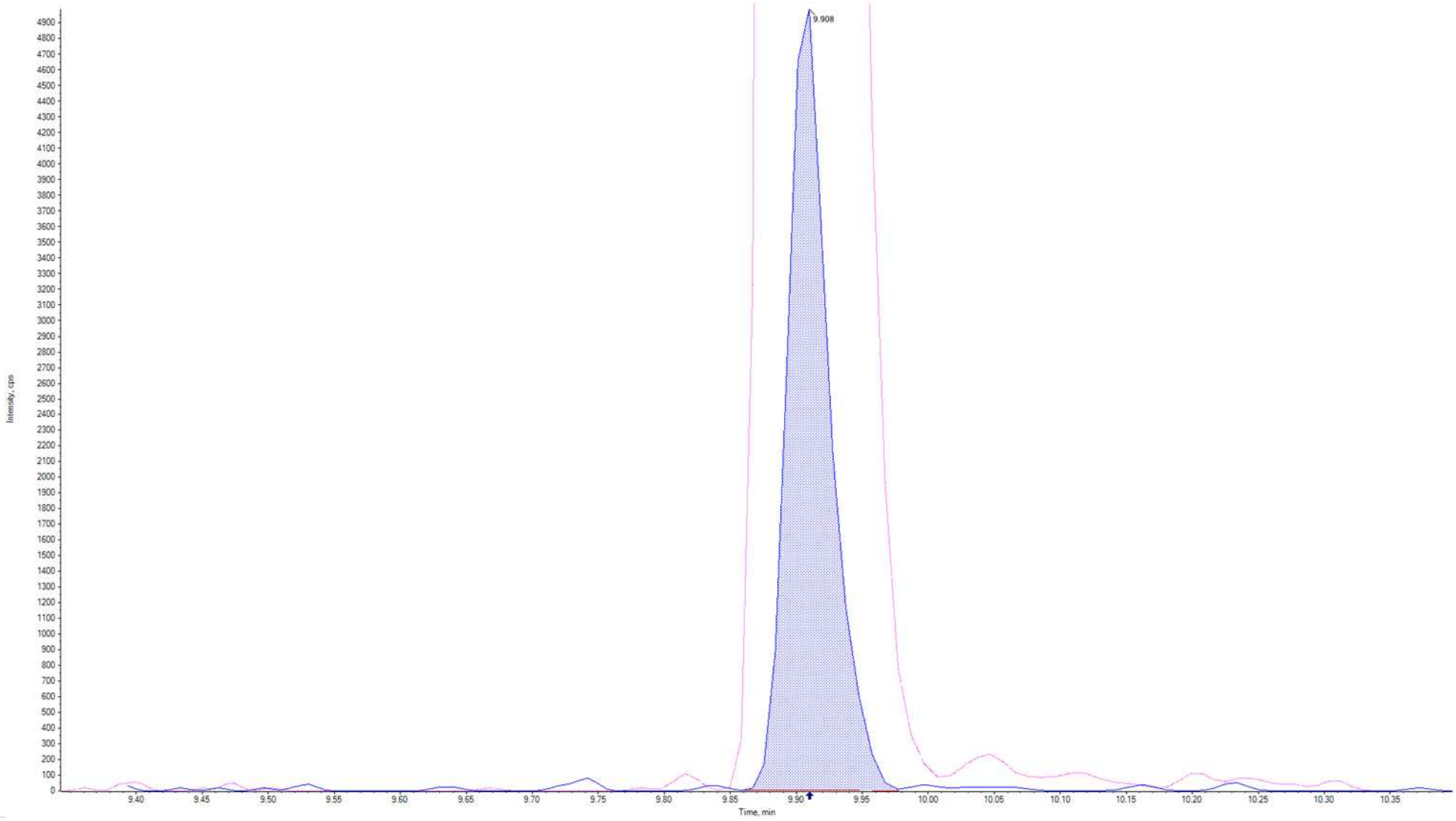
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-.2 S/N:567.1 Points Across peak:20



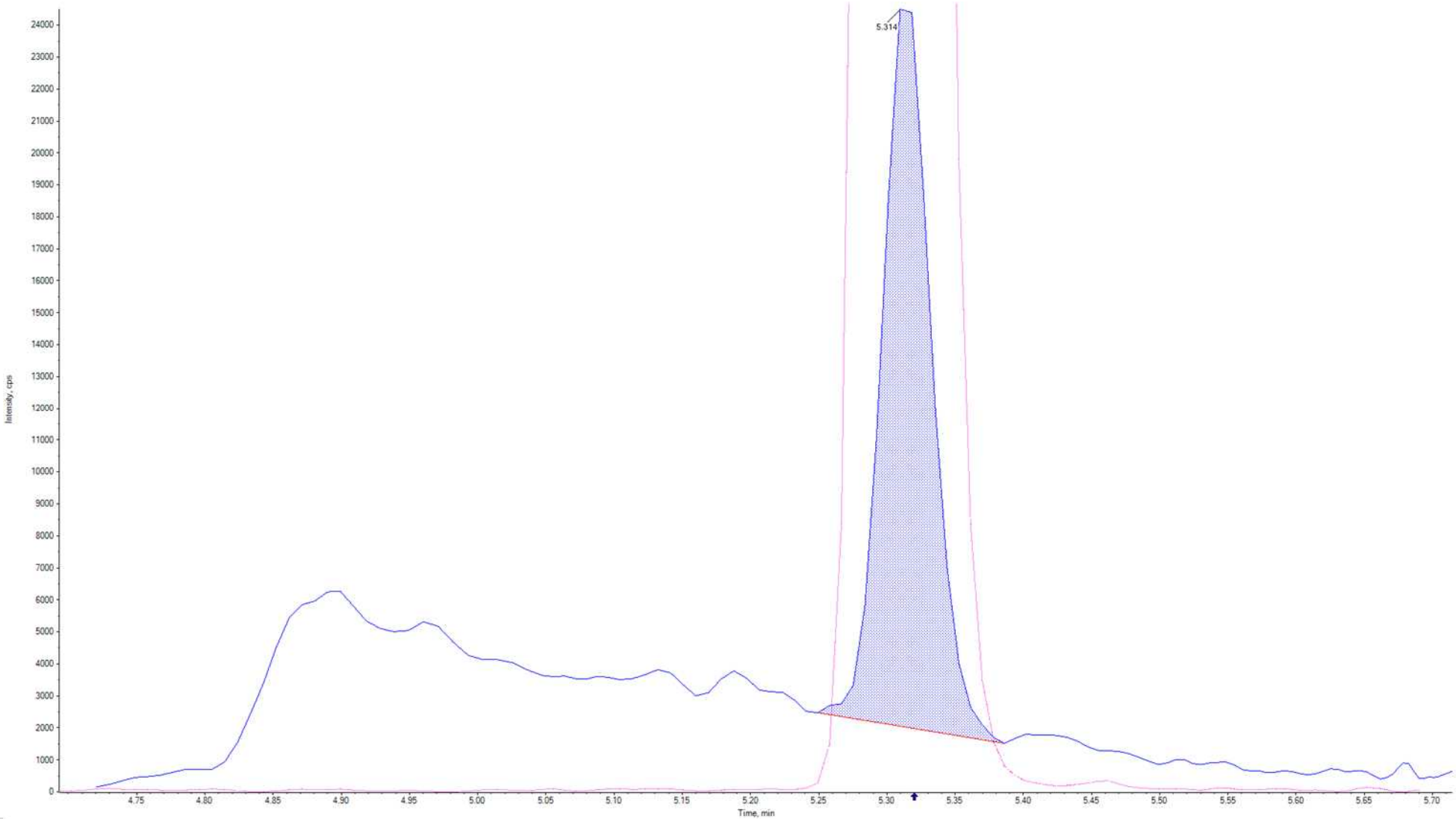
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-.2 S/N:508.2 Points Across peak:14



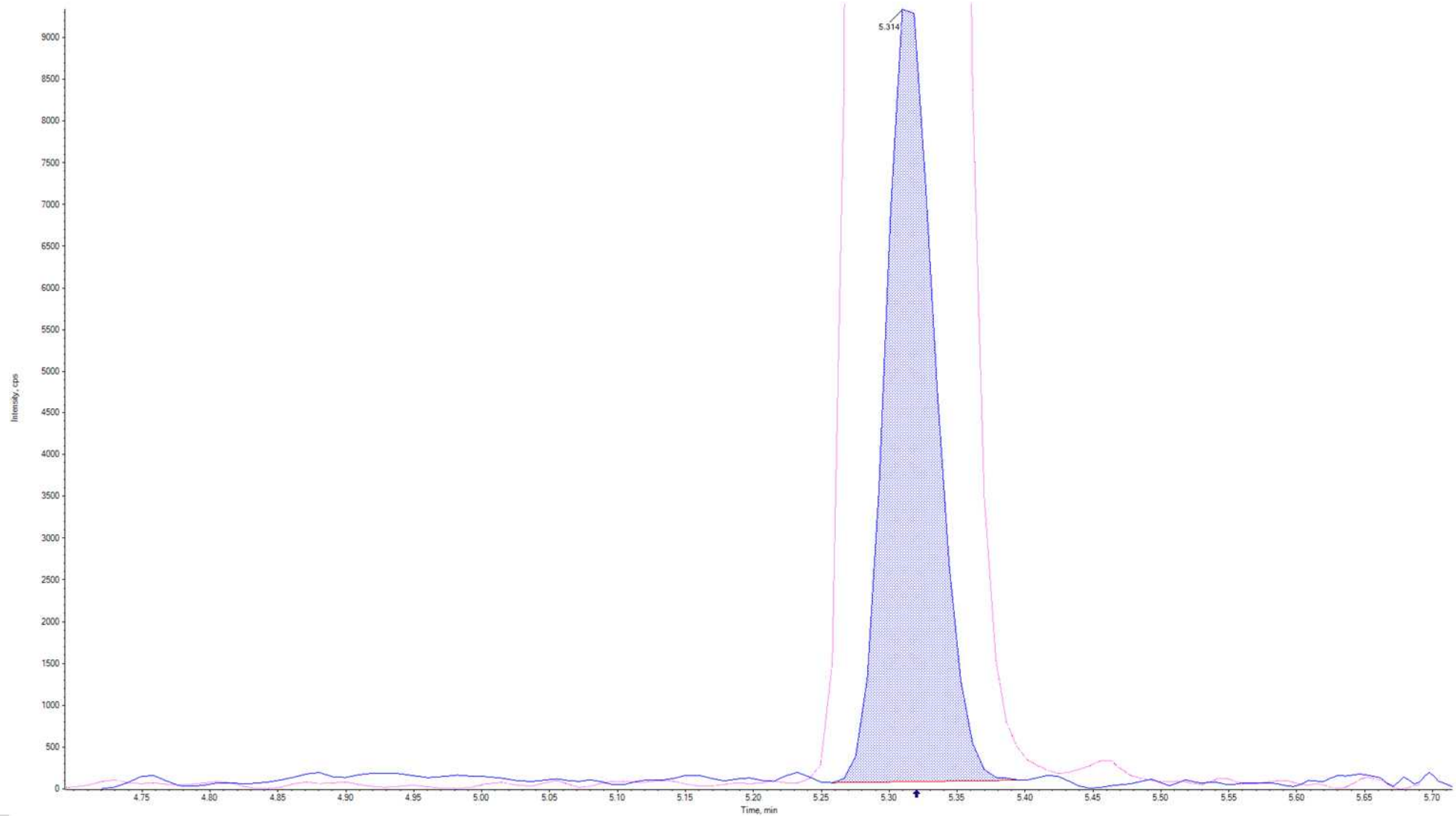
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-.2 S/N:63.0 Points Across peak:17



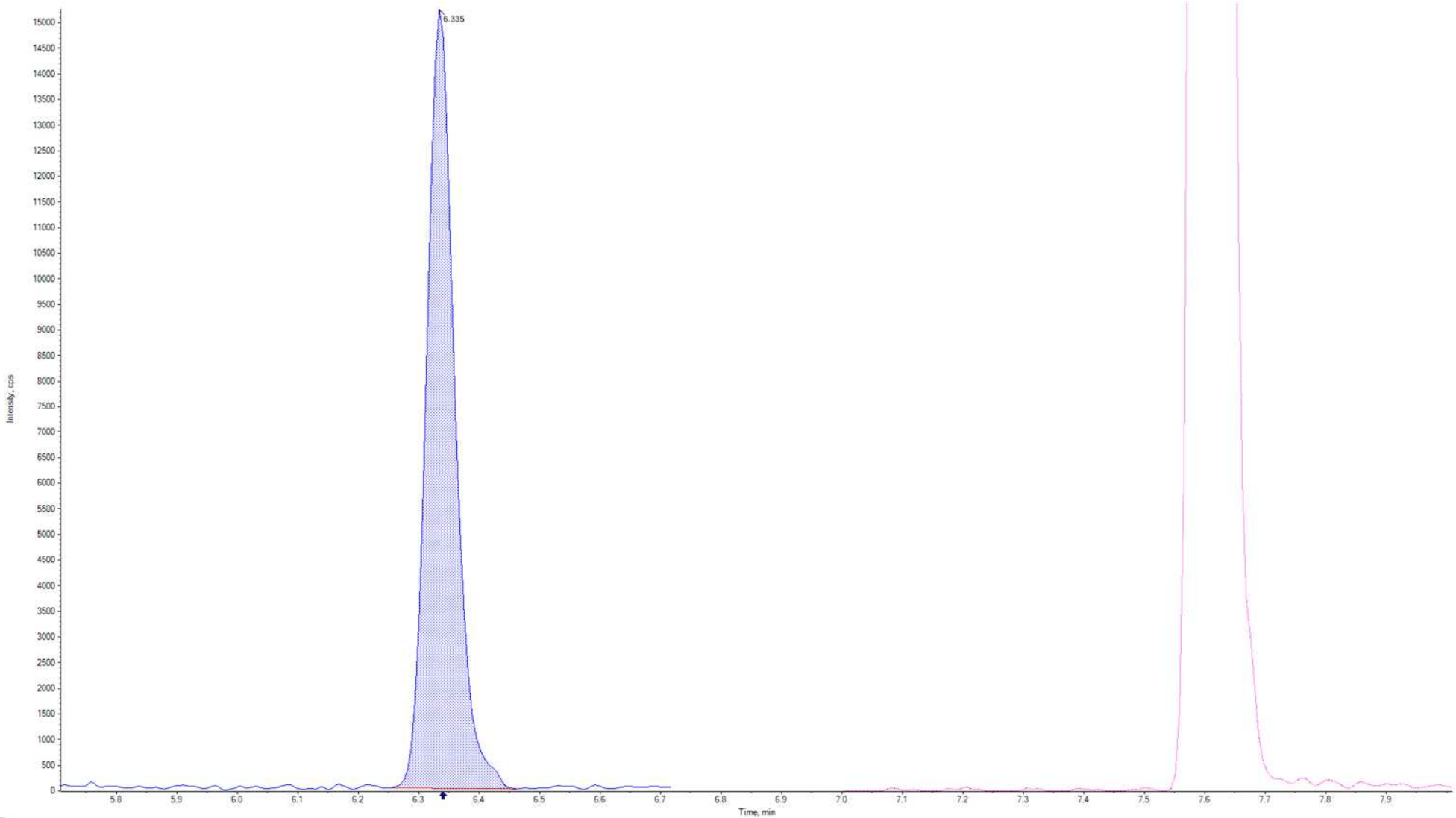
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-.2 S/N:837.1 Points Across peak:18



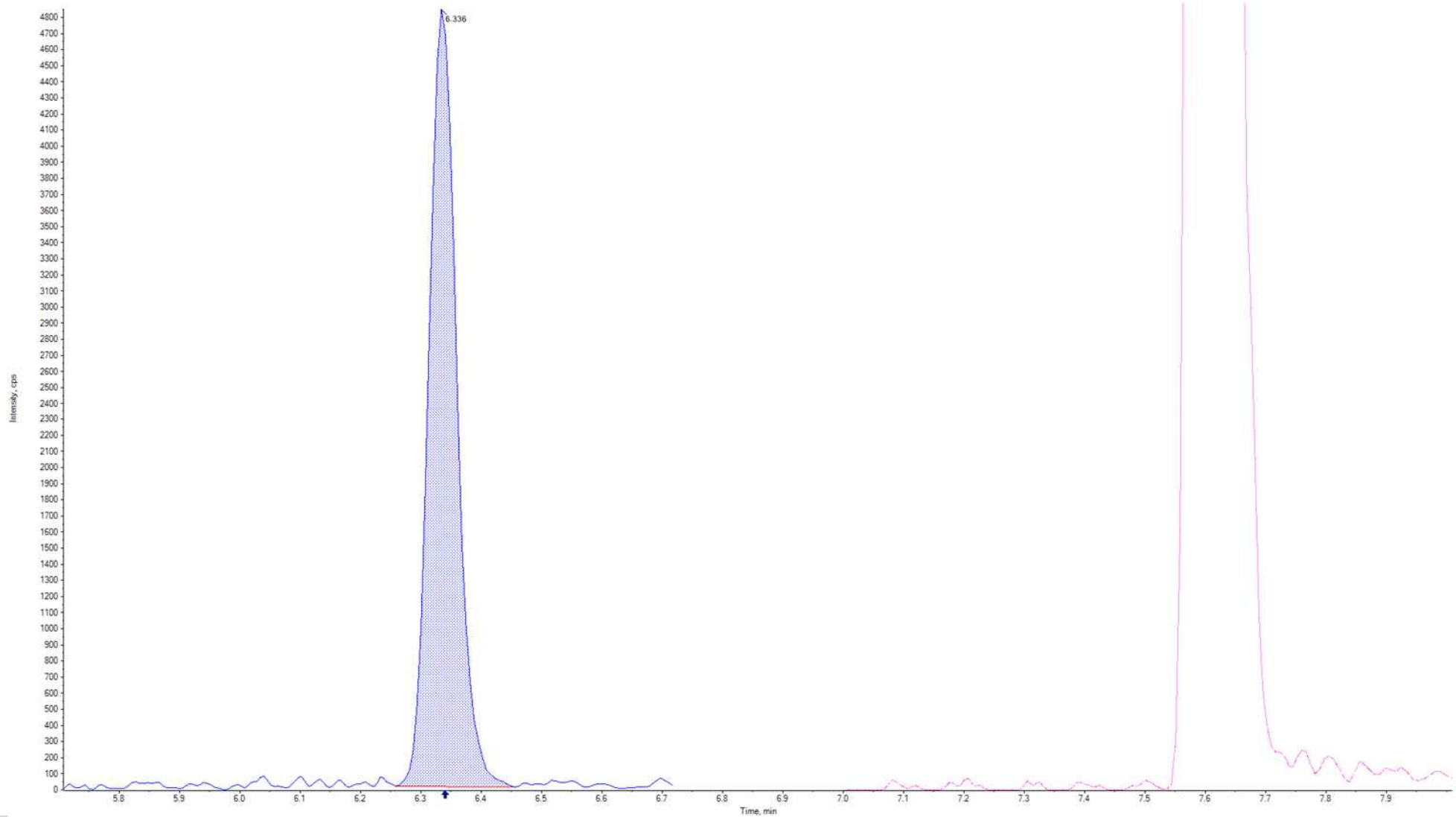
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-.2 S/N:1407.9 Points Across peak:33



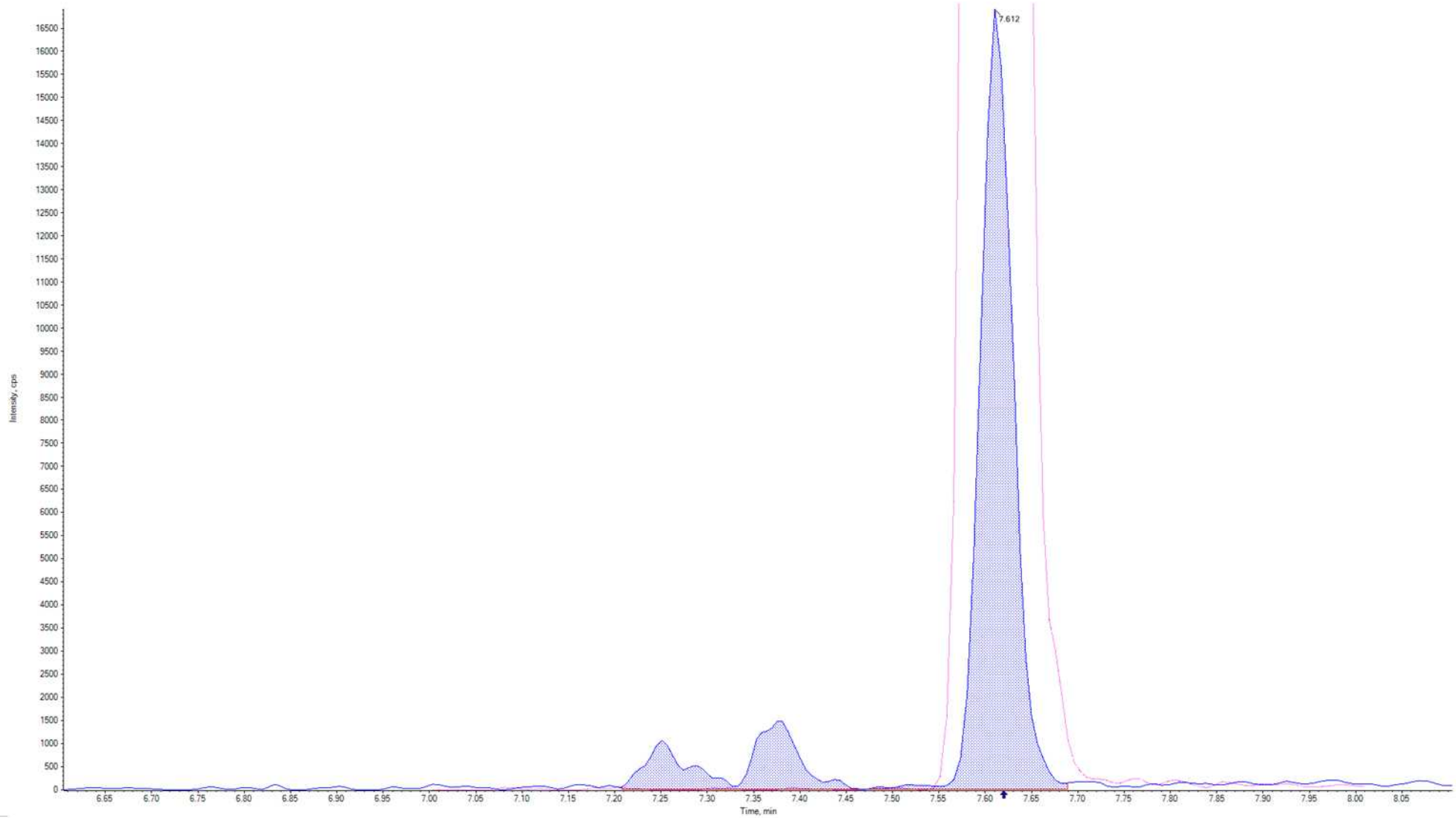
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-.2 S/N:1699.2 Points Across peak:31



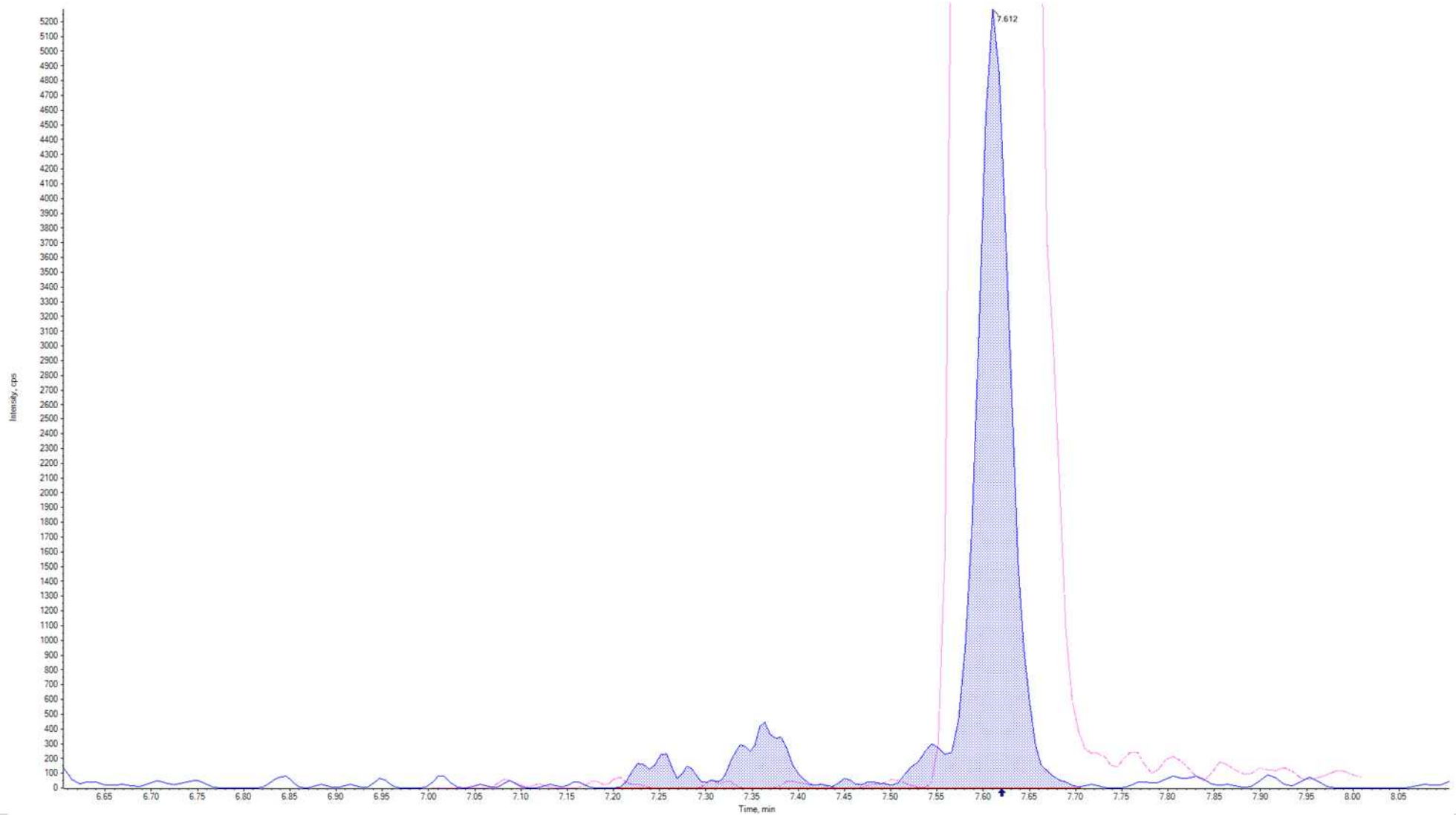
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-.2 S/N:9073.1 Points Across peak:78



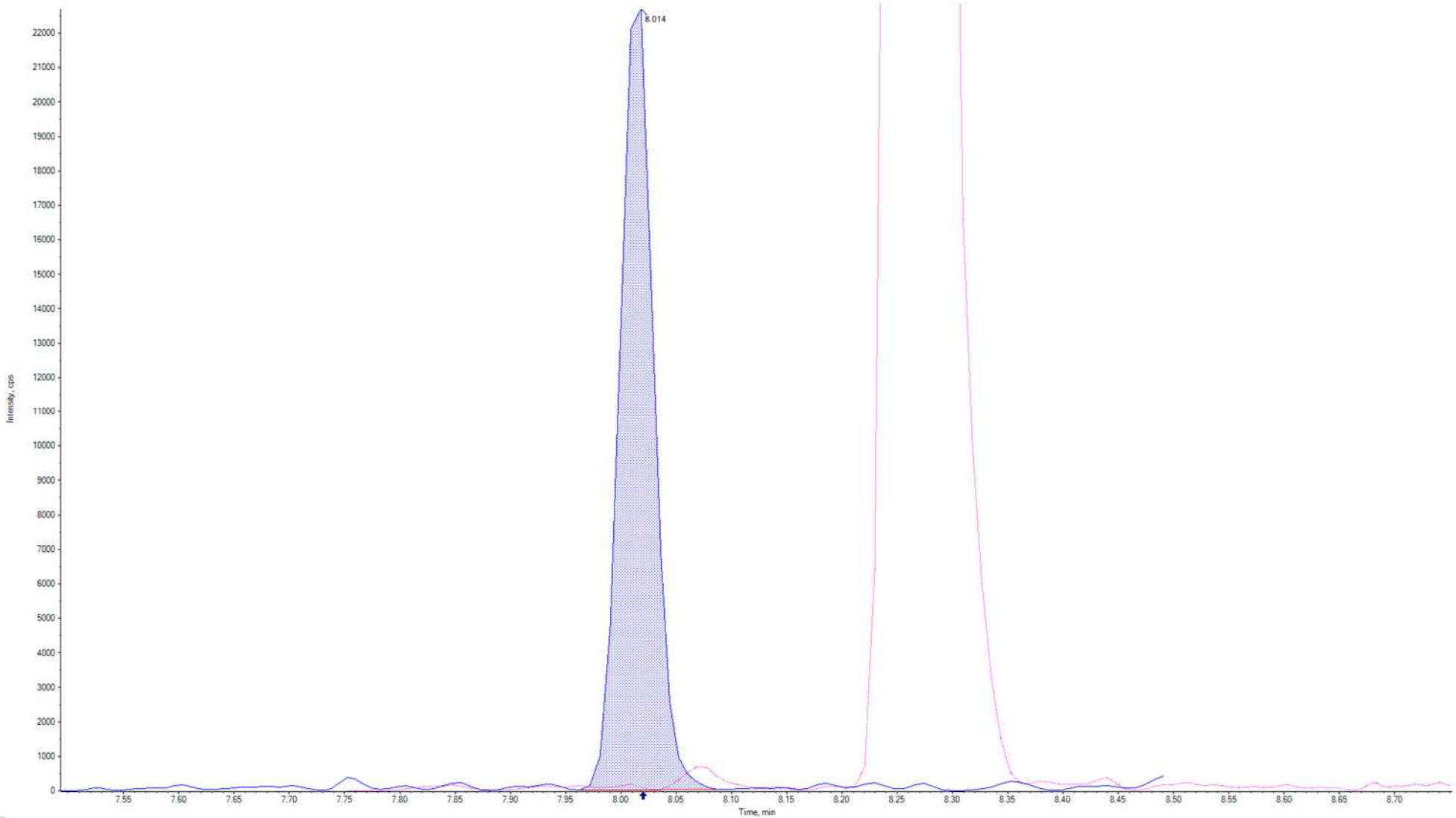
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-.2 S/N:1794713.1 Points Across peak:82



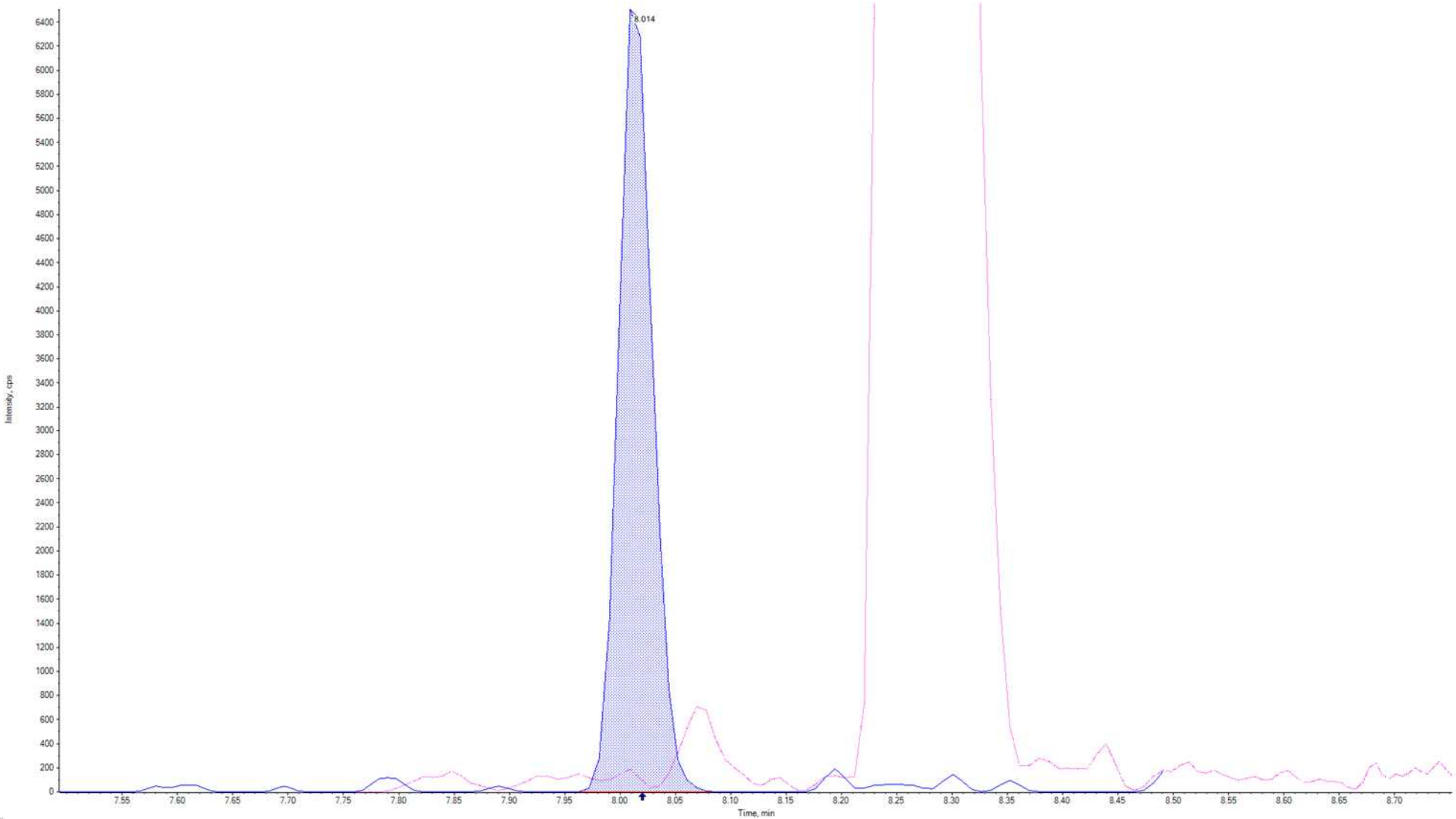
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-.2 S/N:4476.7 Points Across peak:16



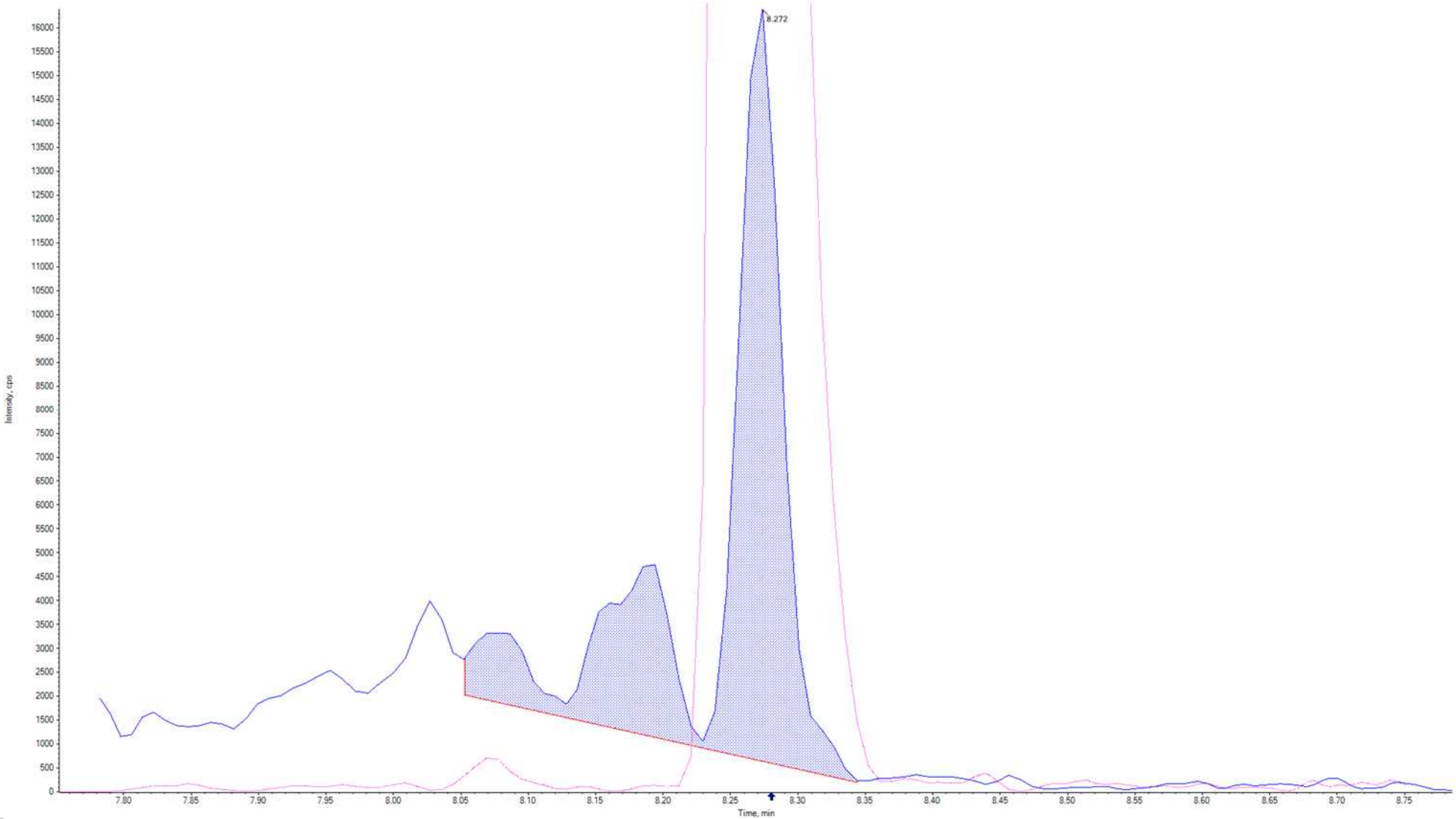
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-.2 S/N:605.6 Points Across peak:21



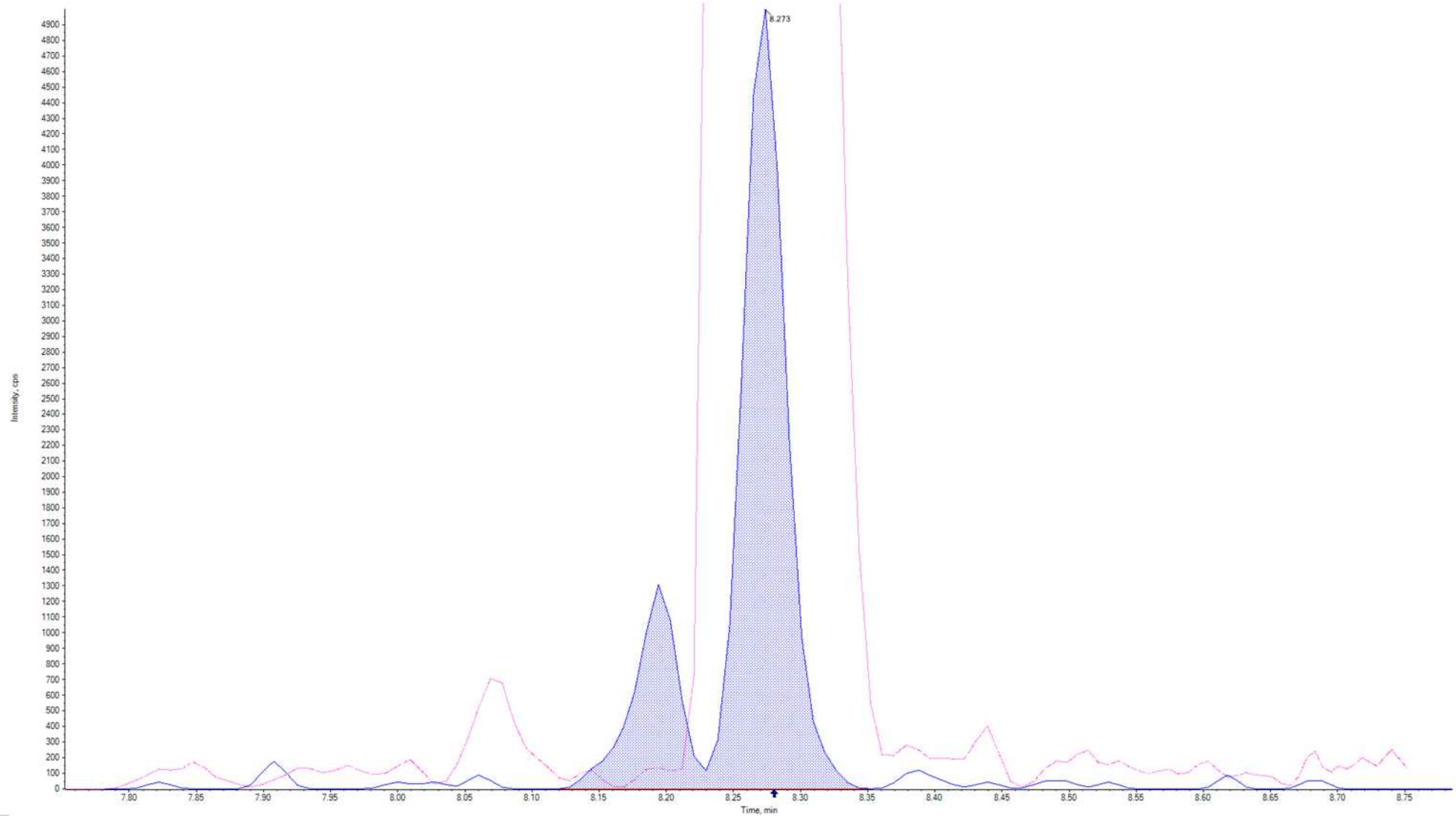
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-.2 S/N:461.4 Points Across peak:36



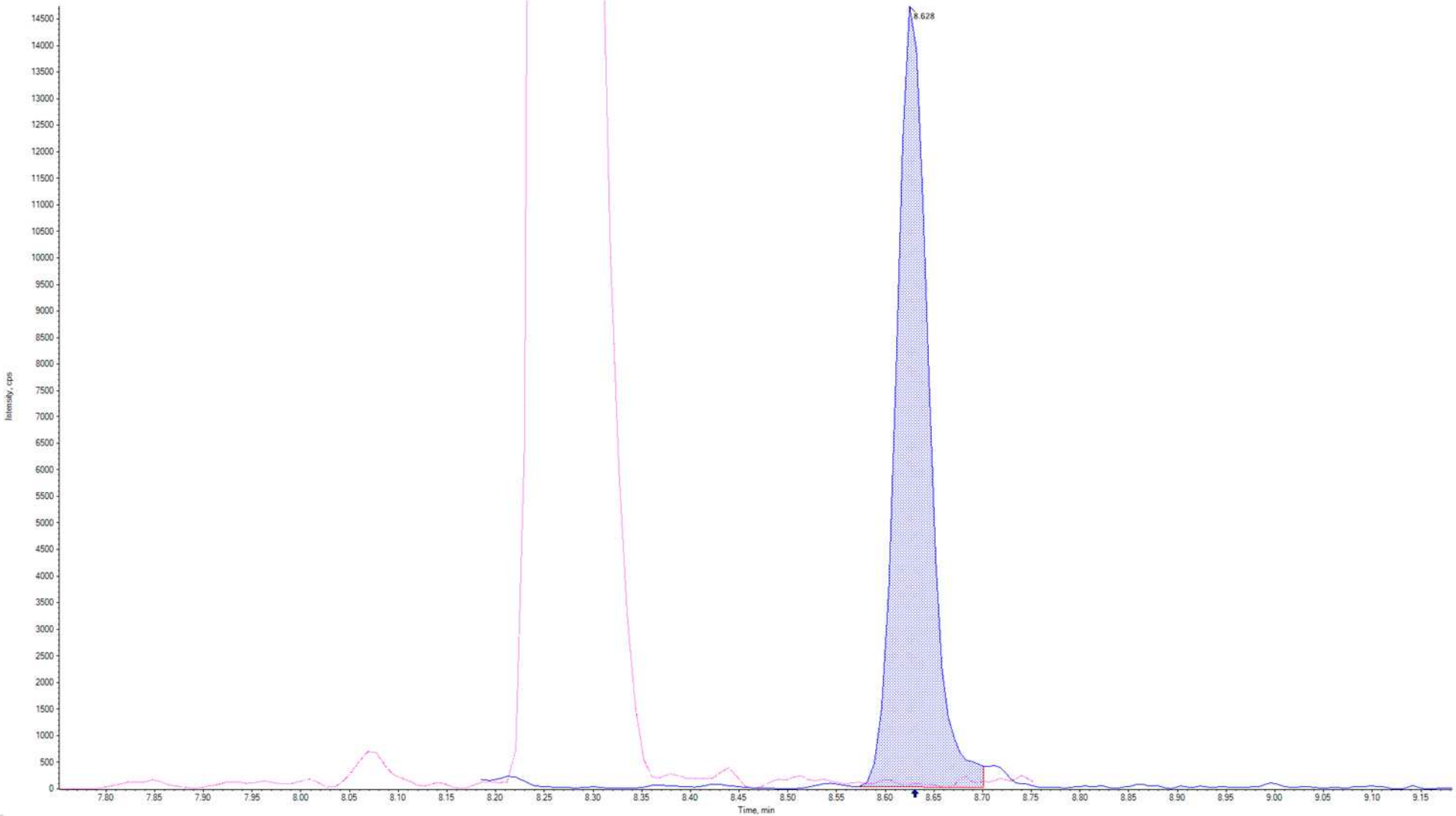
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-.2 S/N:253.1 Points Across peak:29



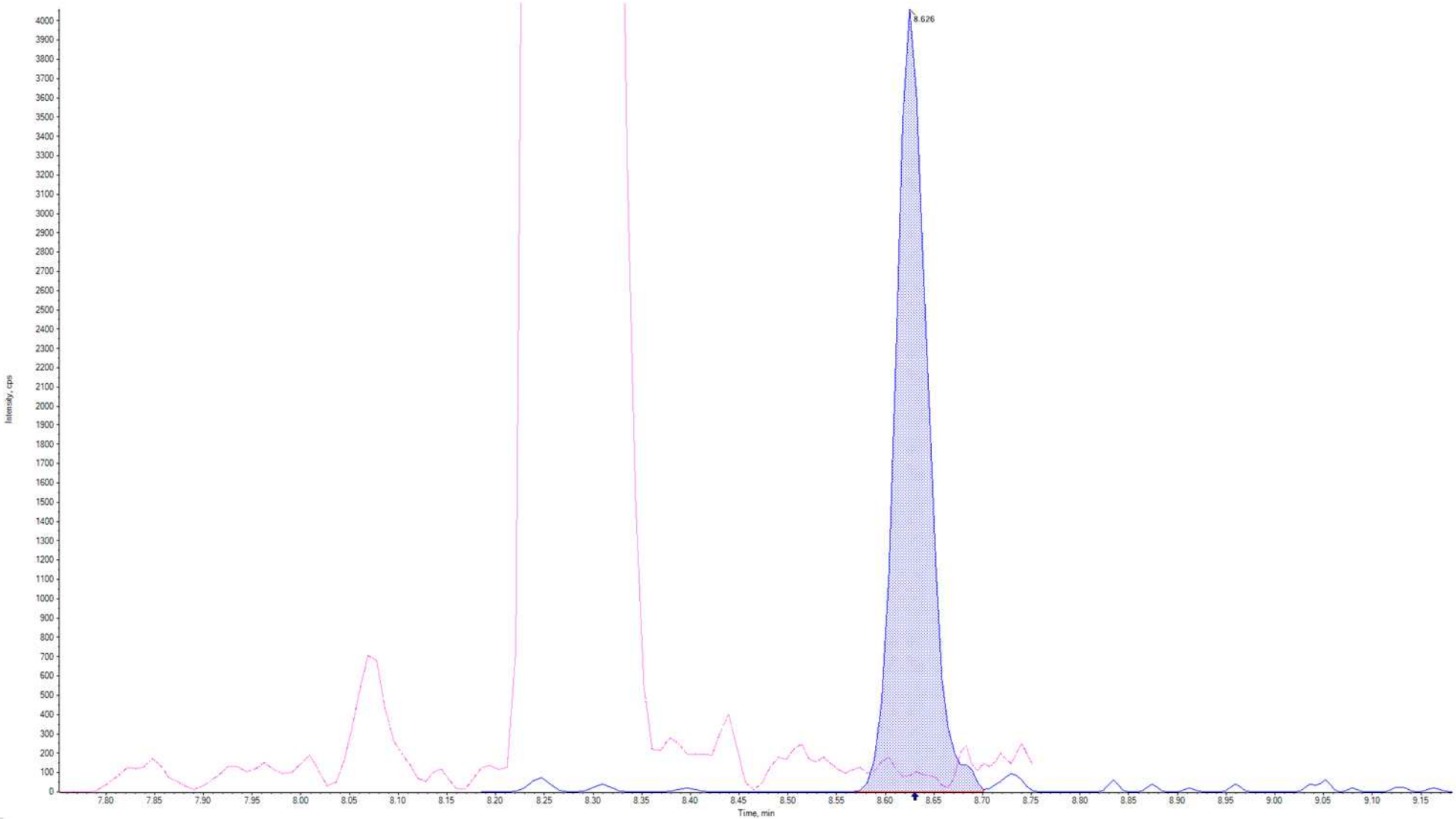
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-.2 S/N:7657.7 Points Across peak:21



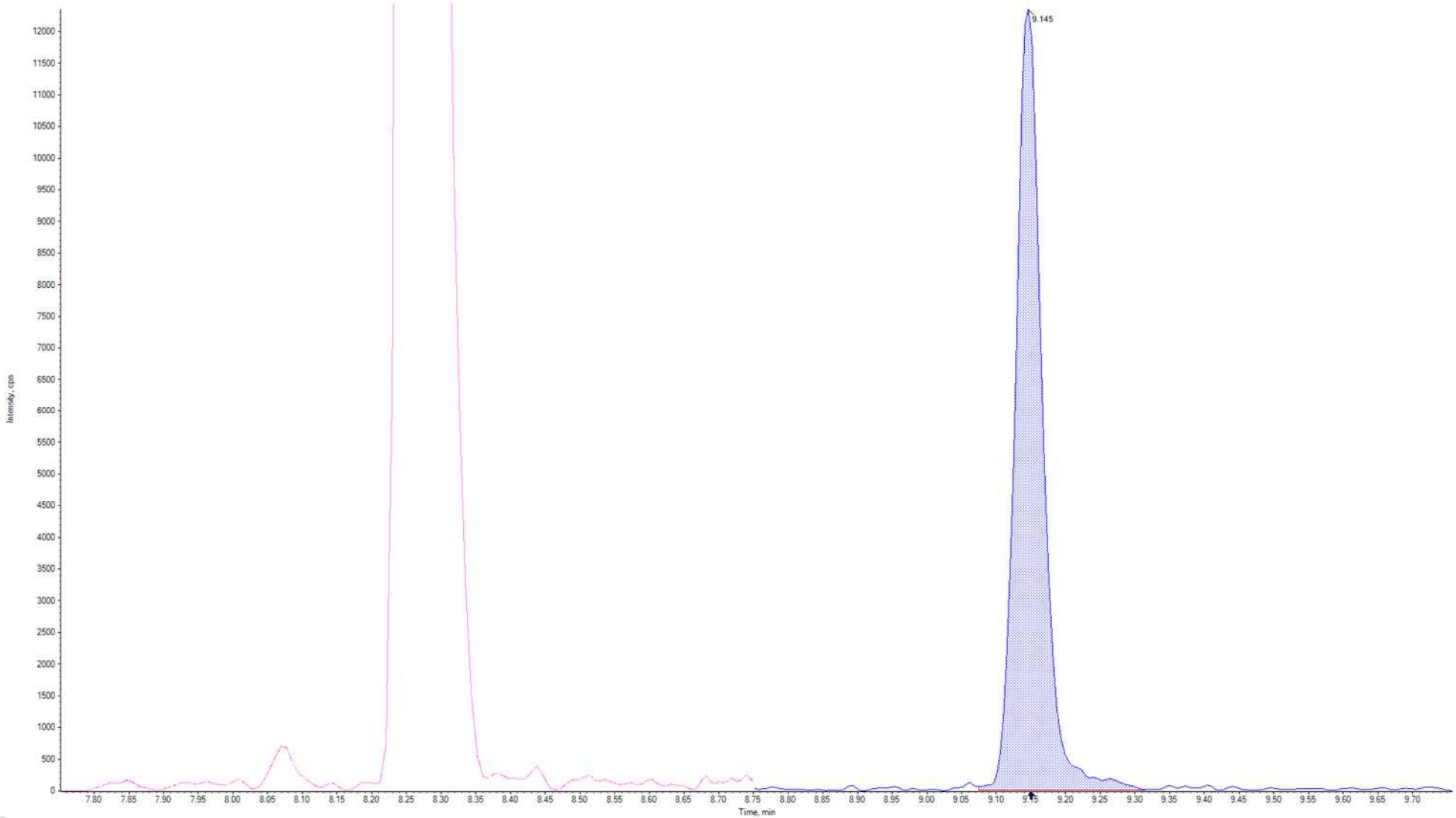
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-.2 S/N:673.1 Points Across peak:26



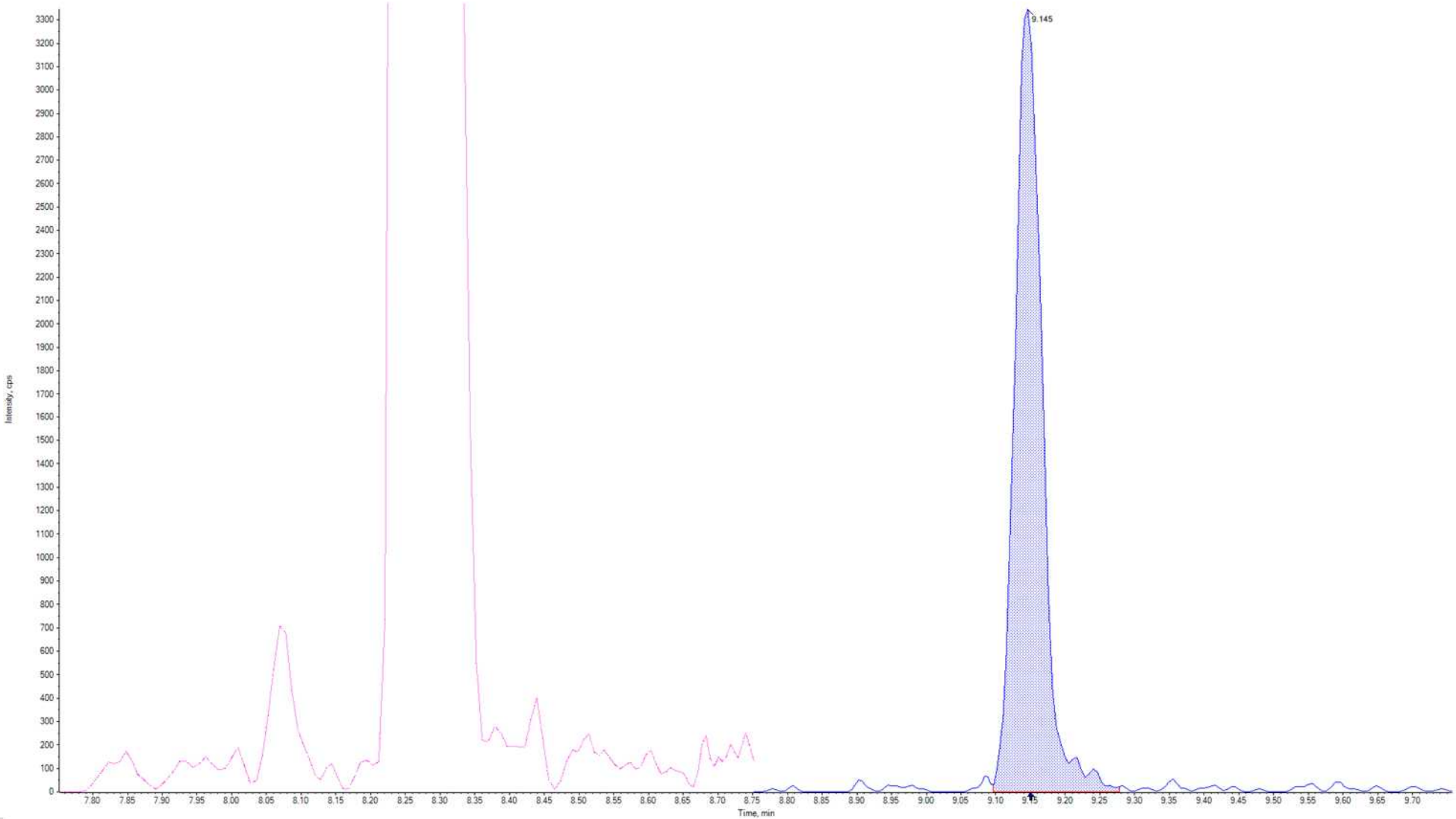
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-.2 S/N:3521.8 Points Across peak:47



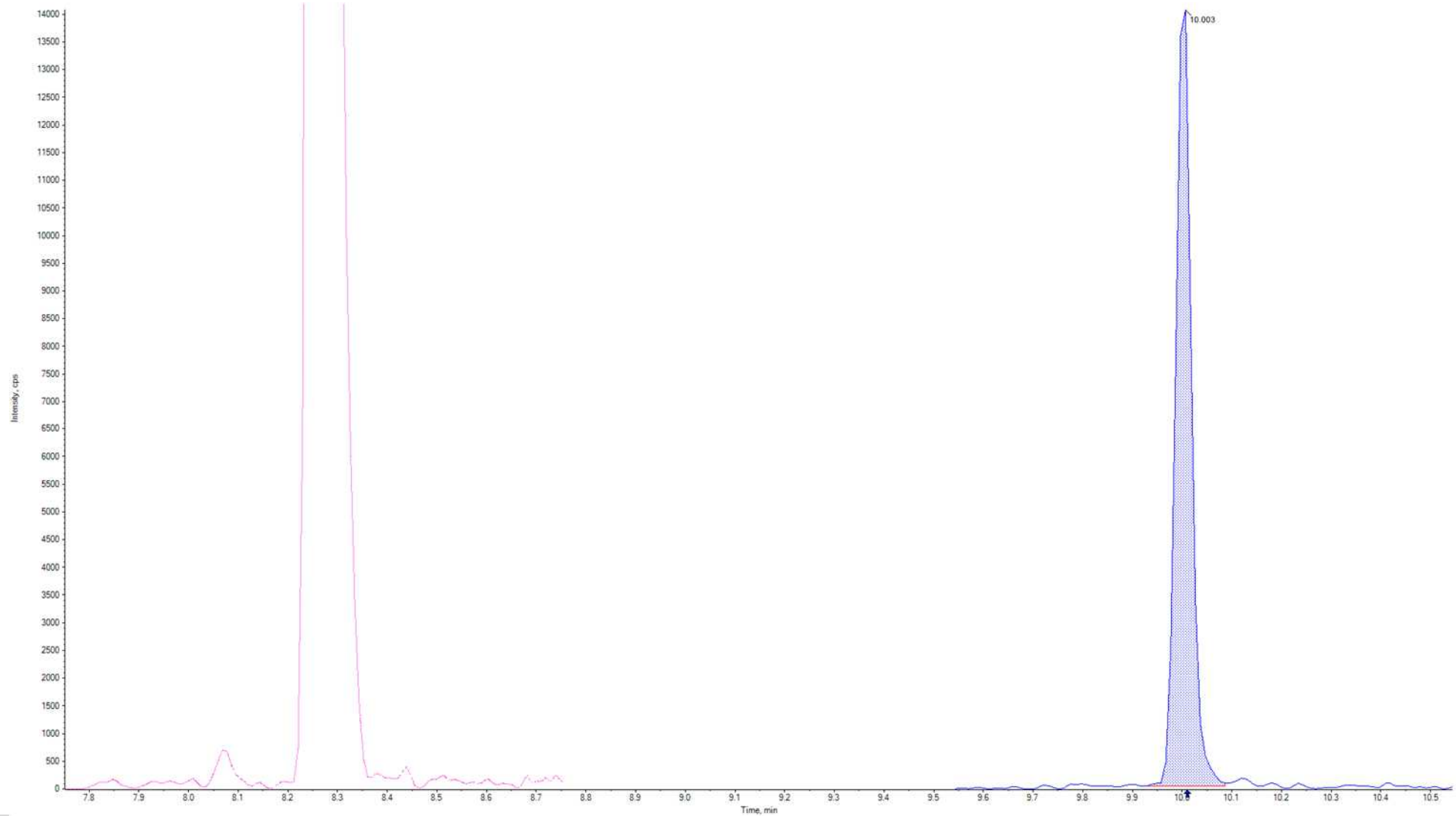
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-.2 S/N:448.0 Points Across peak:36



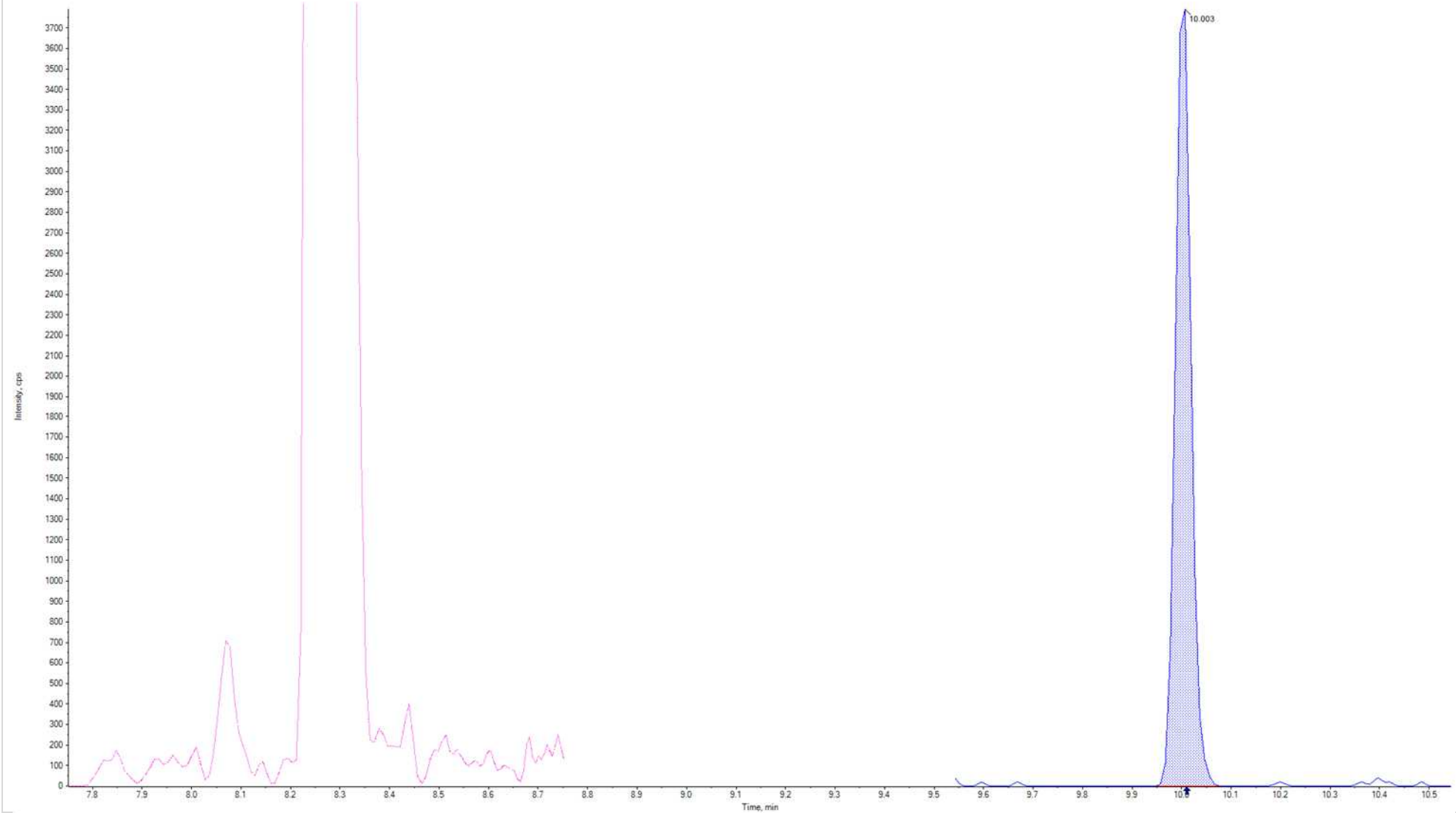
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-.2 S/N:3800.1 Points Across peak:18



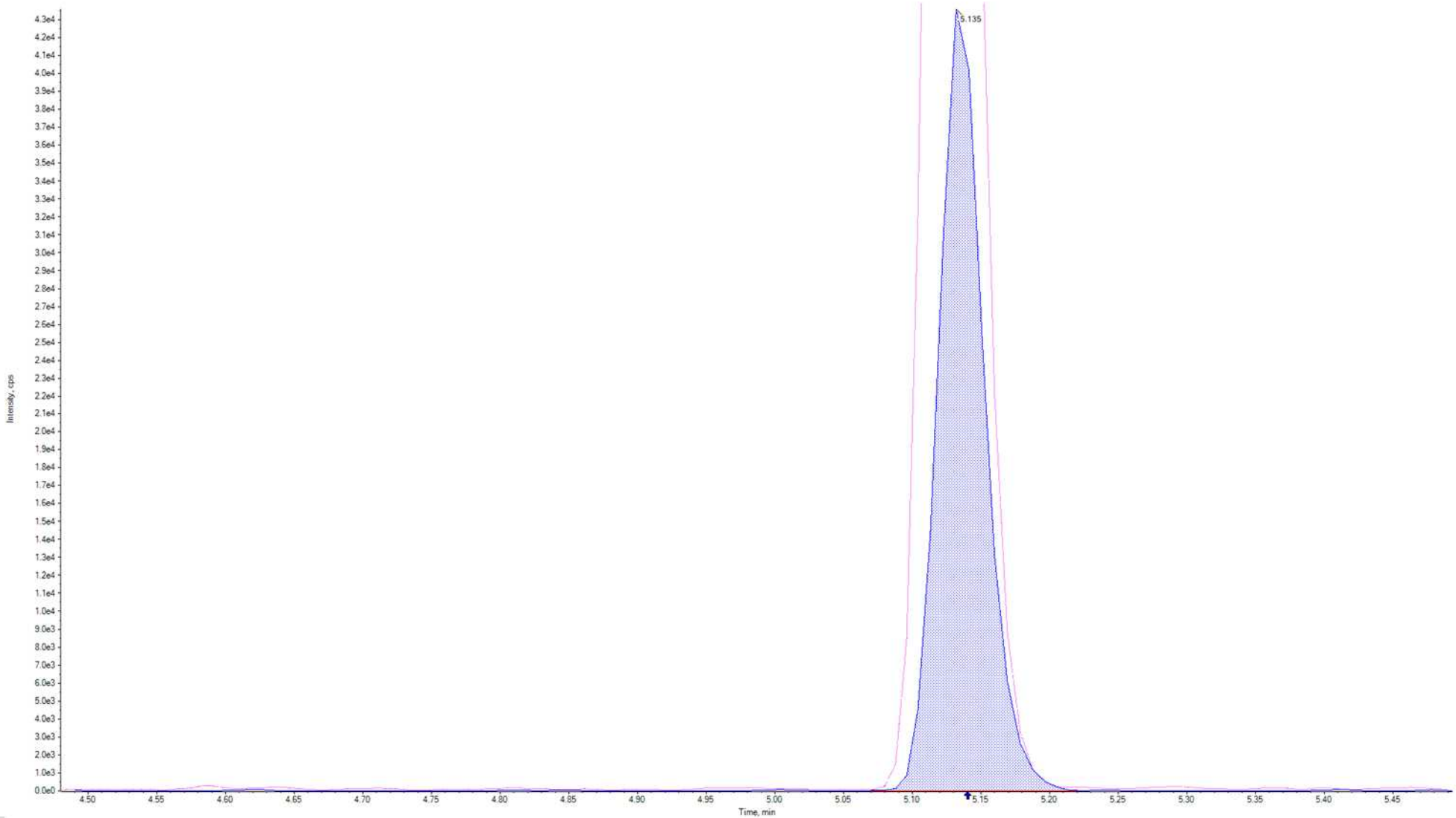
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-.2 S/N:11205.2 Points Across peak:24



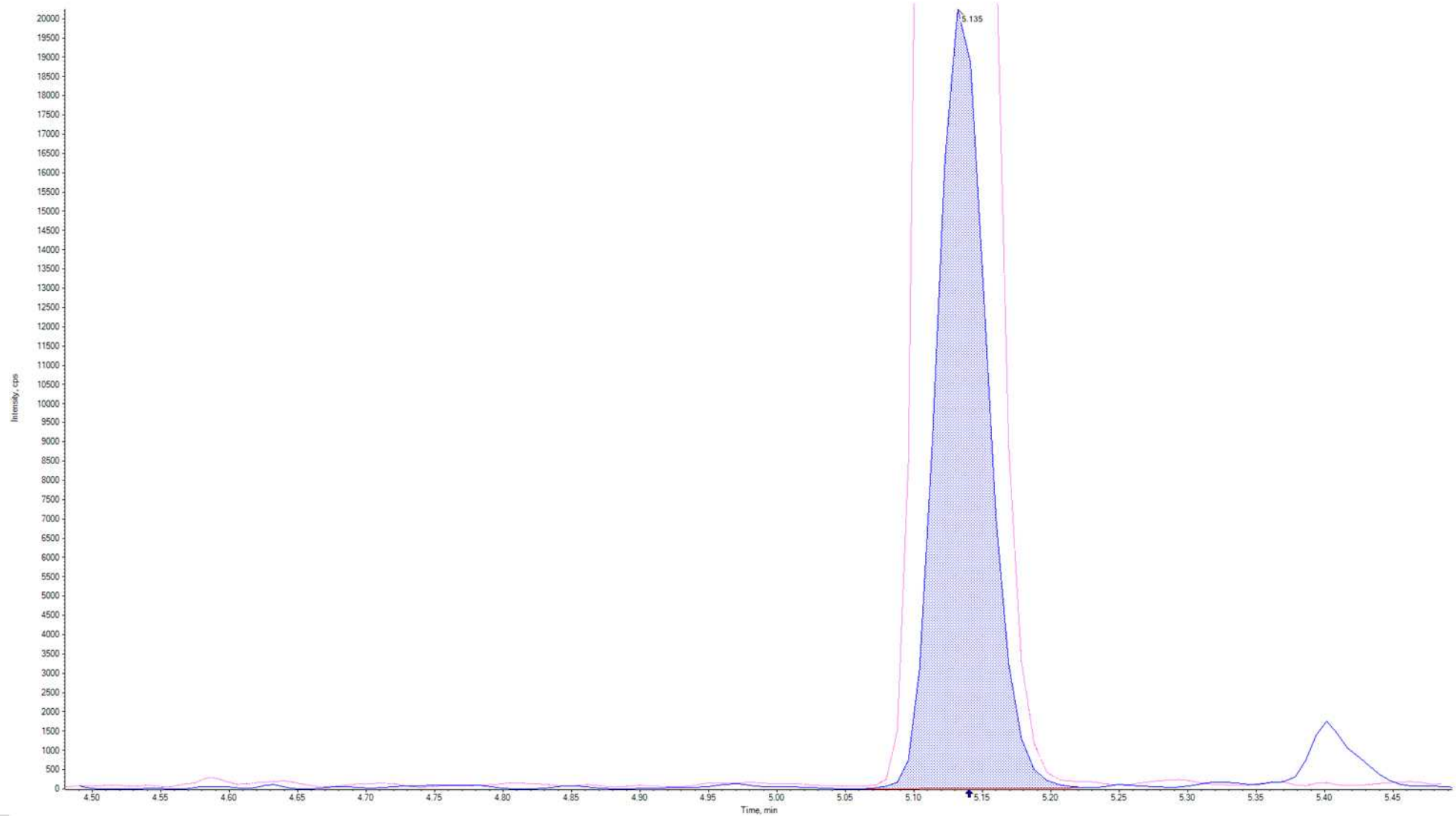
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-.2 S/N:491982.5 Points Across peak:20



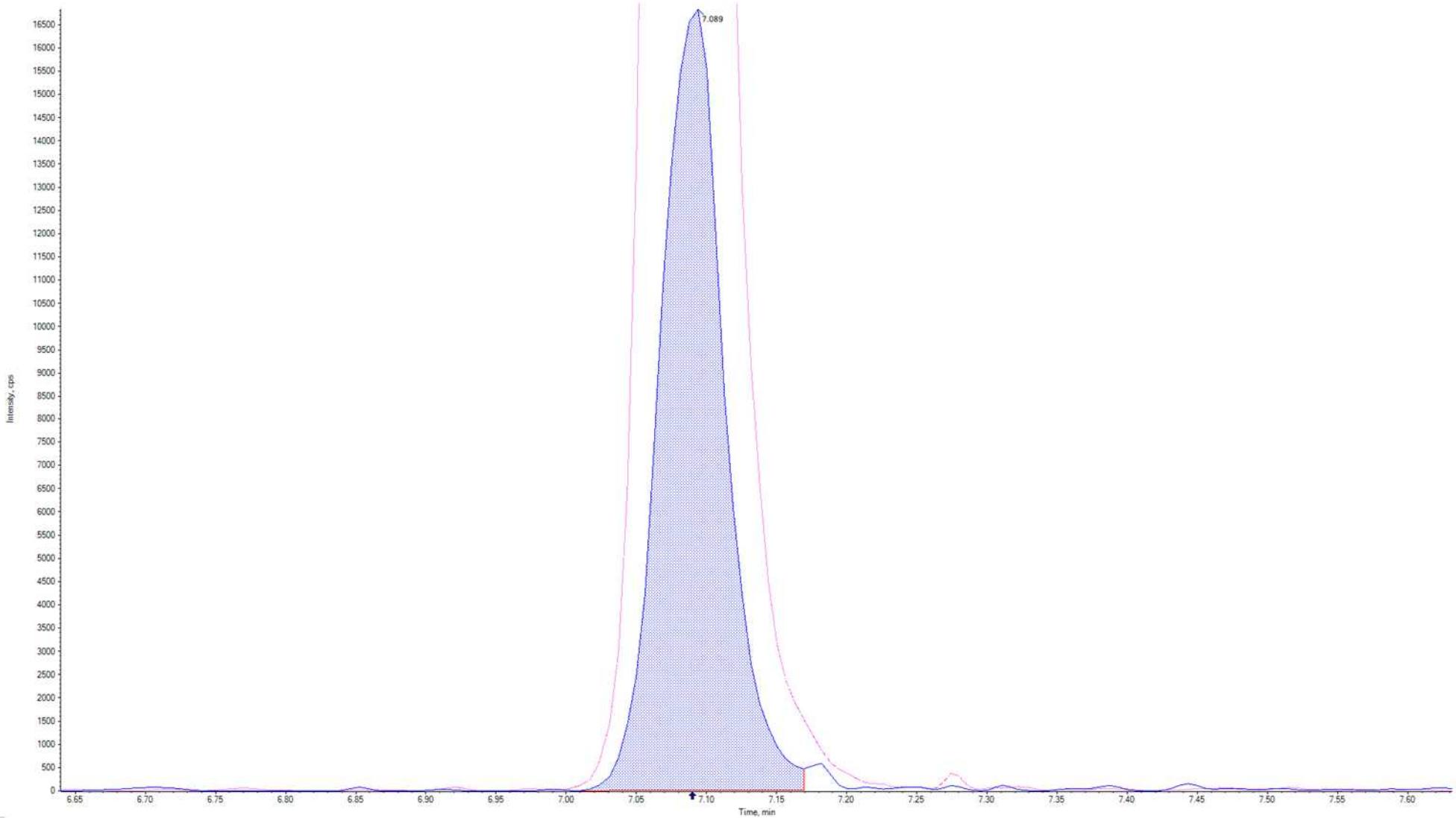
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-.2 S/N:28540.2 Points Across peak:21



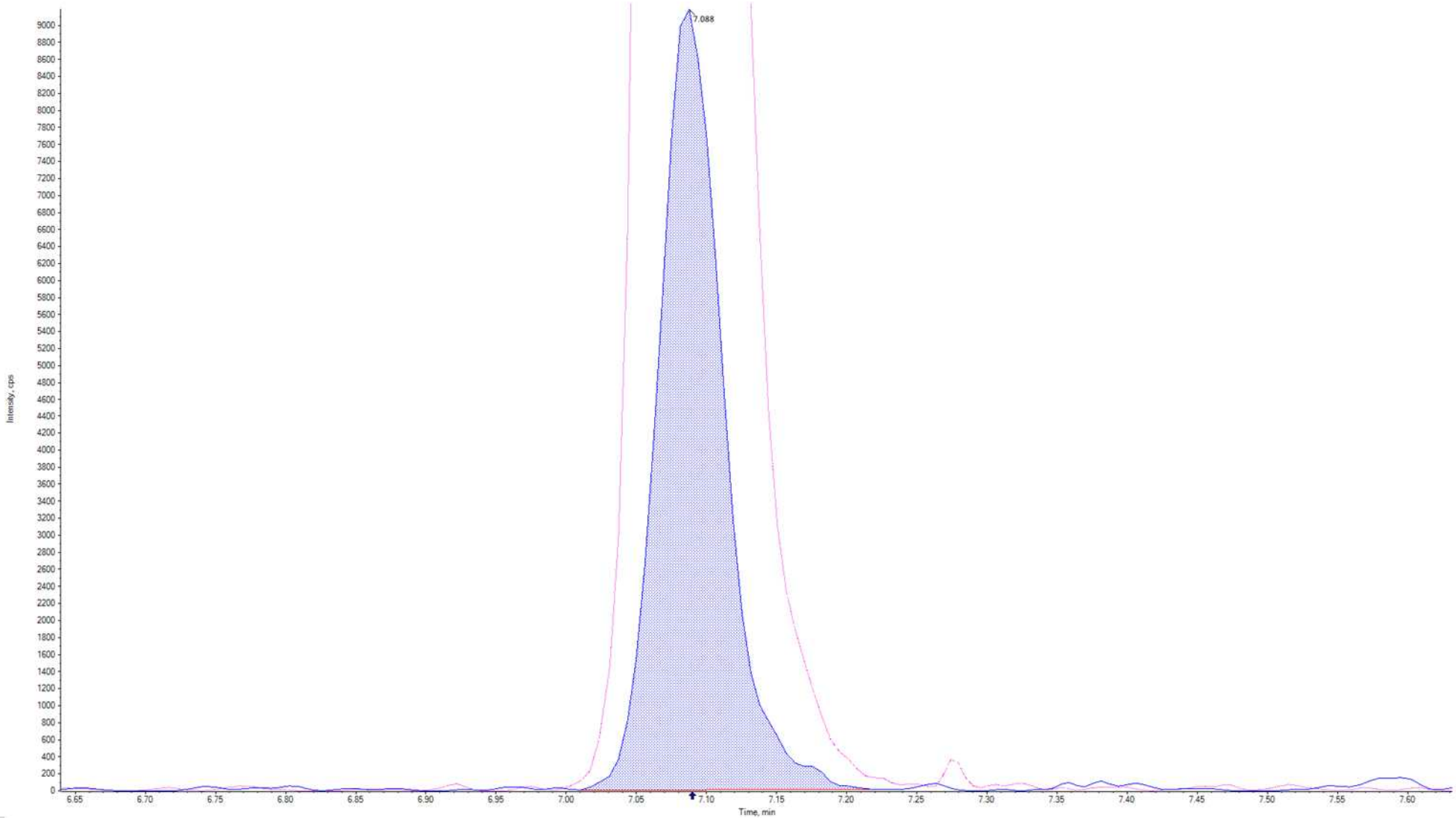
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-.2 S/N:672.0 Points Across peak:27



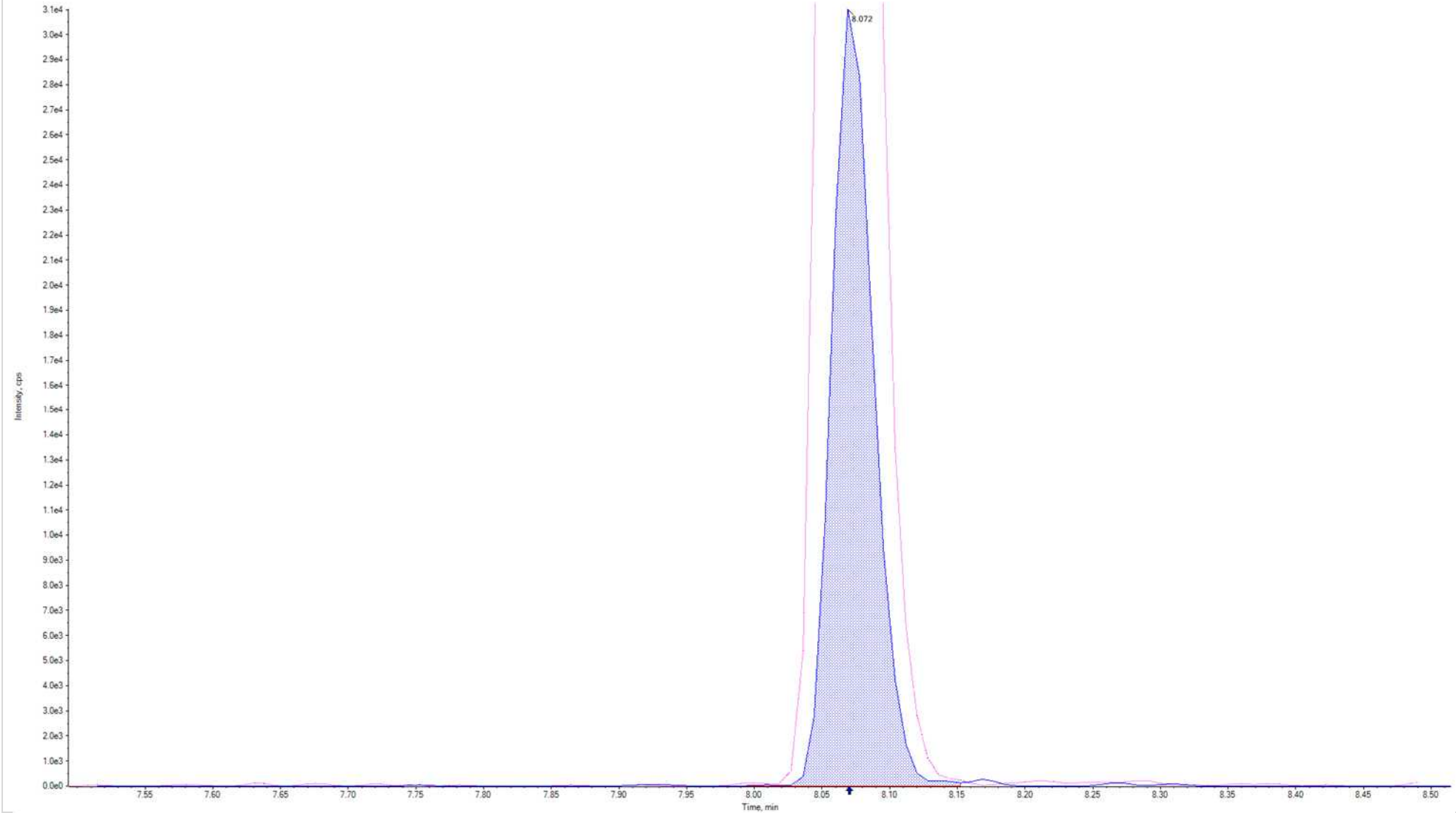
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-.2 S/N:40299.4 Points Across peak:35



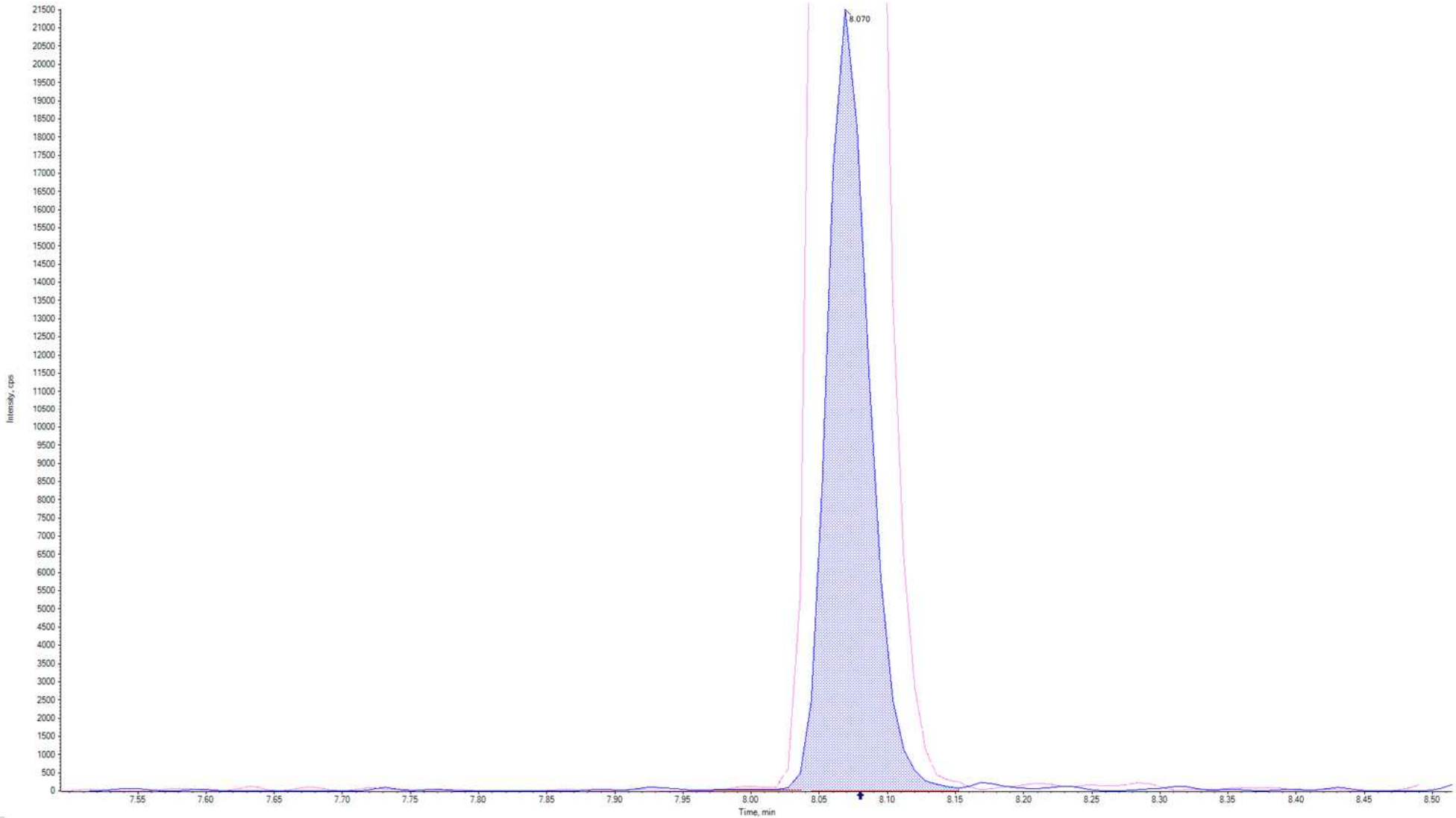
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-.2 S/N:39272.8 Points Across peak:22



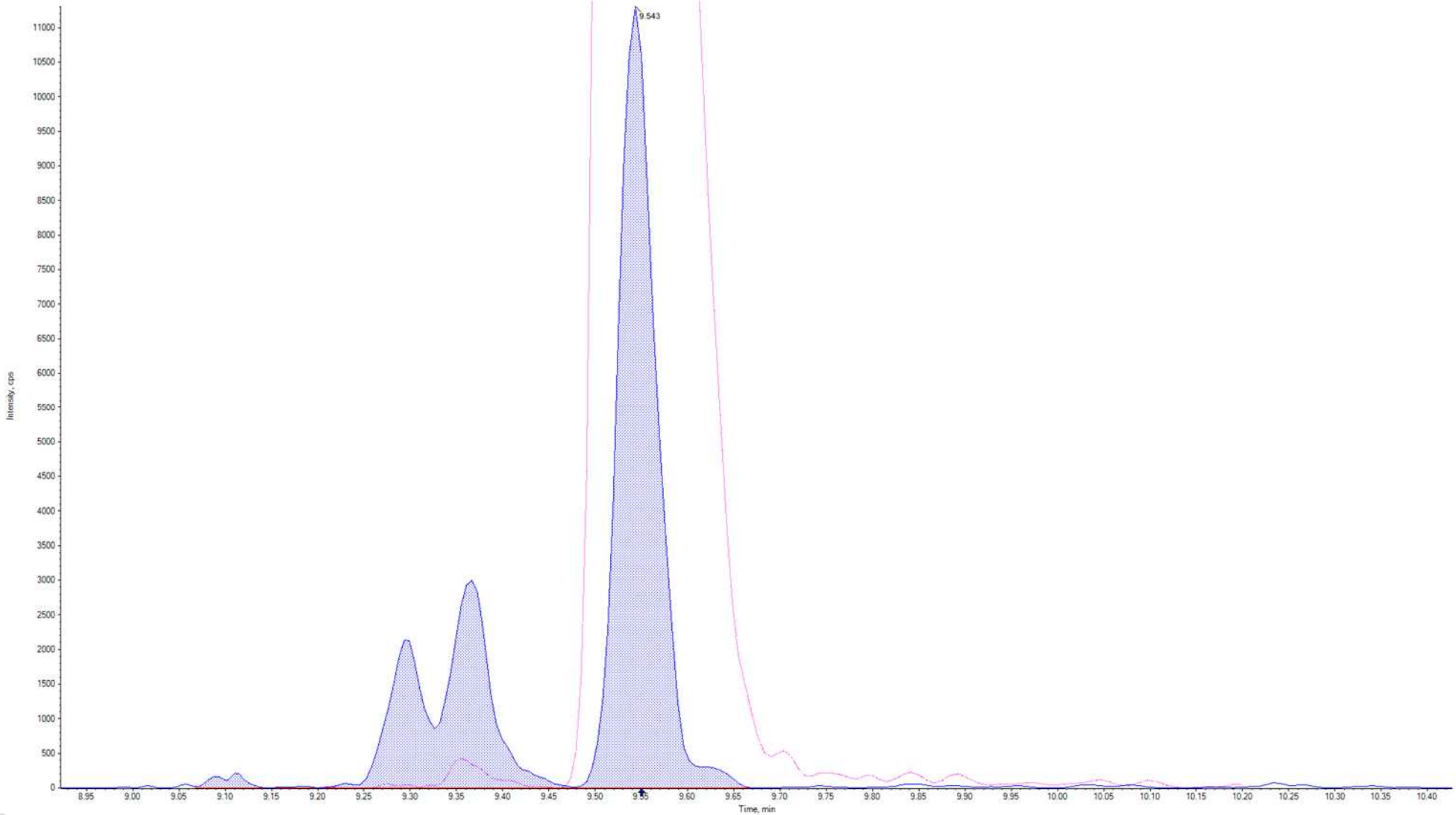
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-.2 S/N:711.3 Points Across peak:23



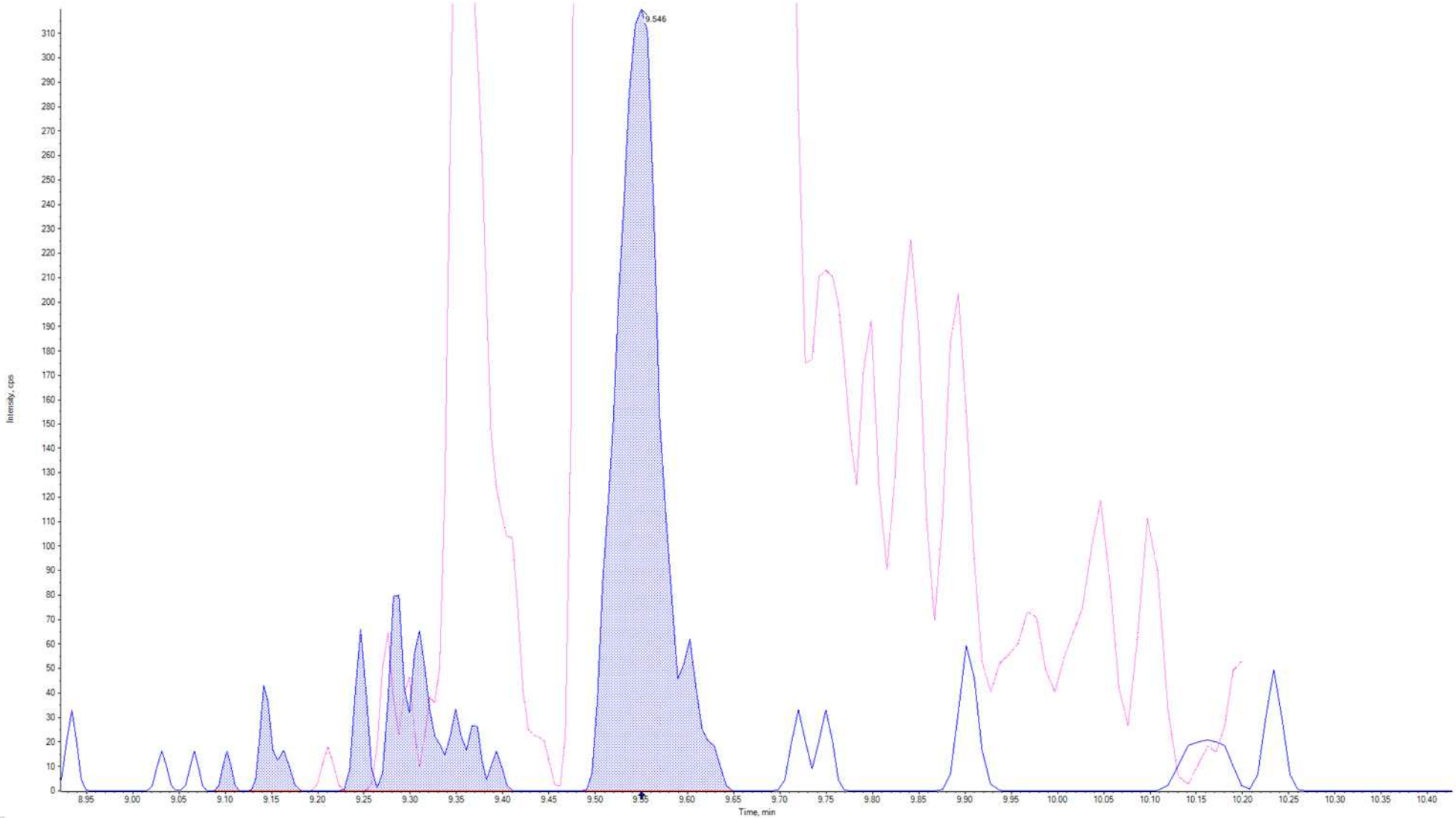
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-.2 S/N:663.8 Points Across peak:108



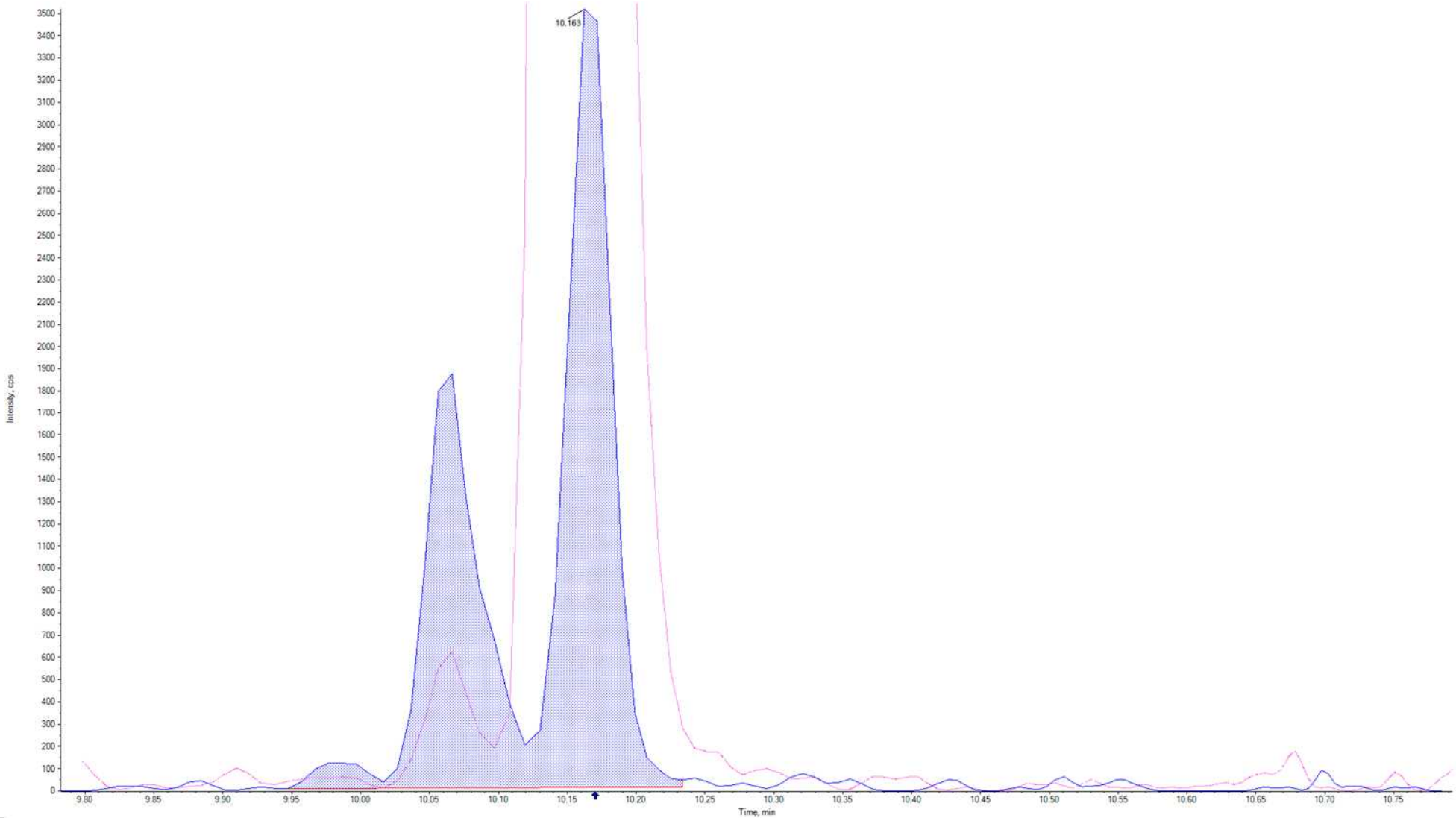
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-.2 S/N:149.5 Points Across peak:101



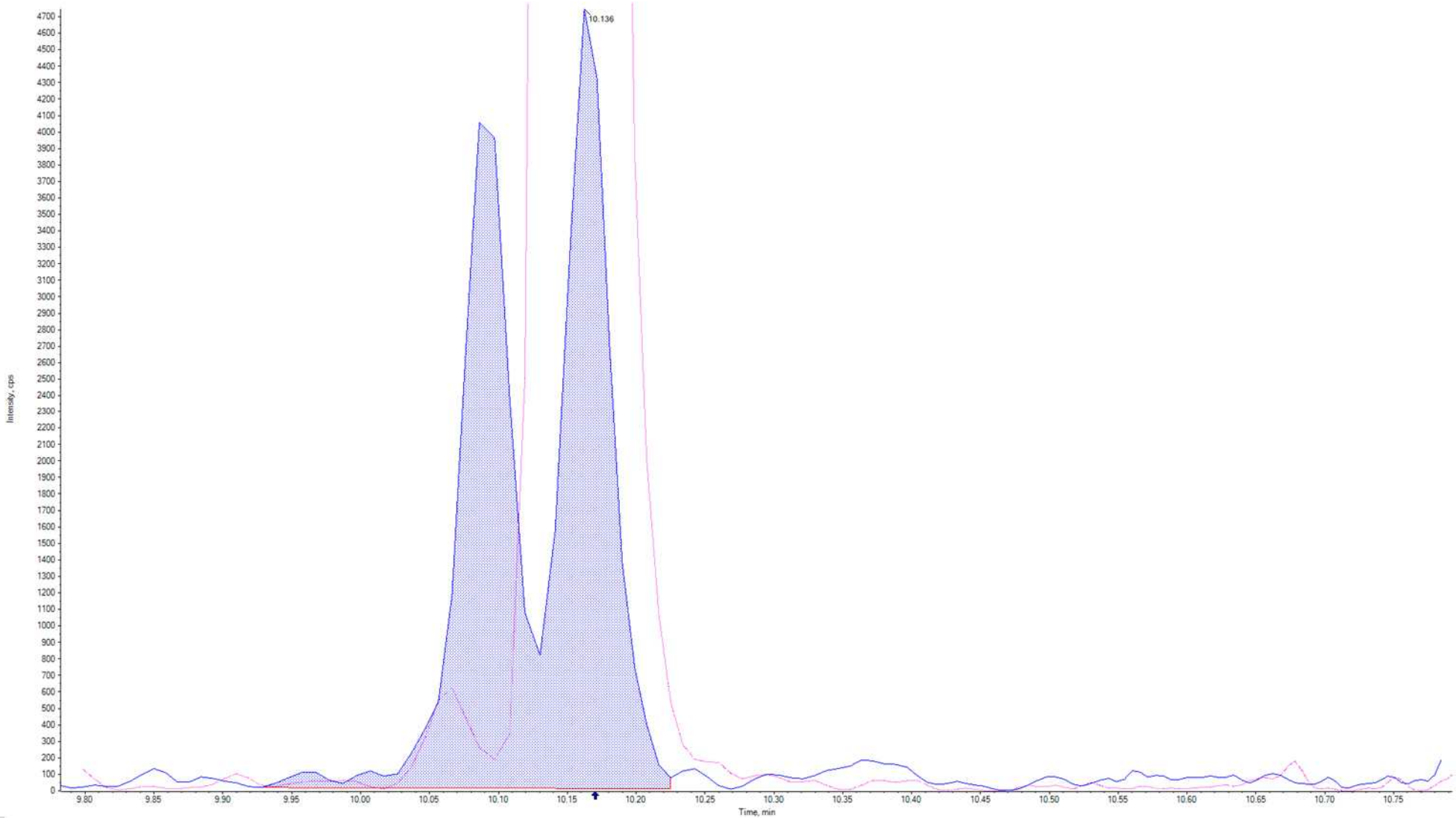
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-.2 S/N:233.2 Points Across peak:31



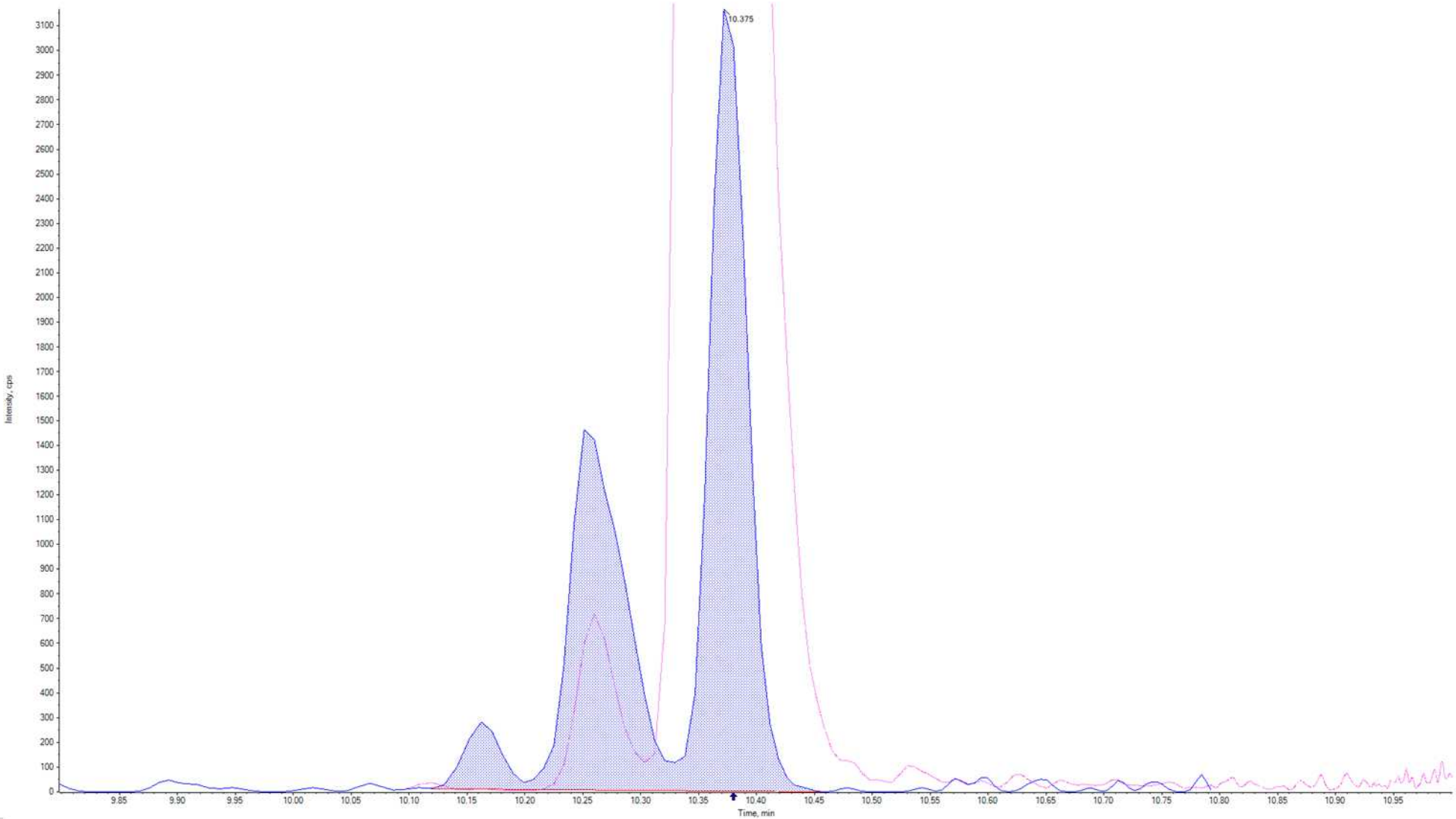
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-.2 S/N:722.5 Points Across peak:32



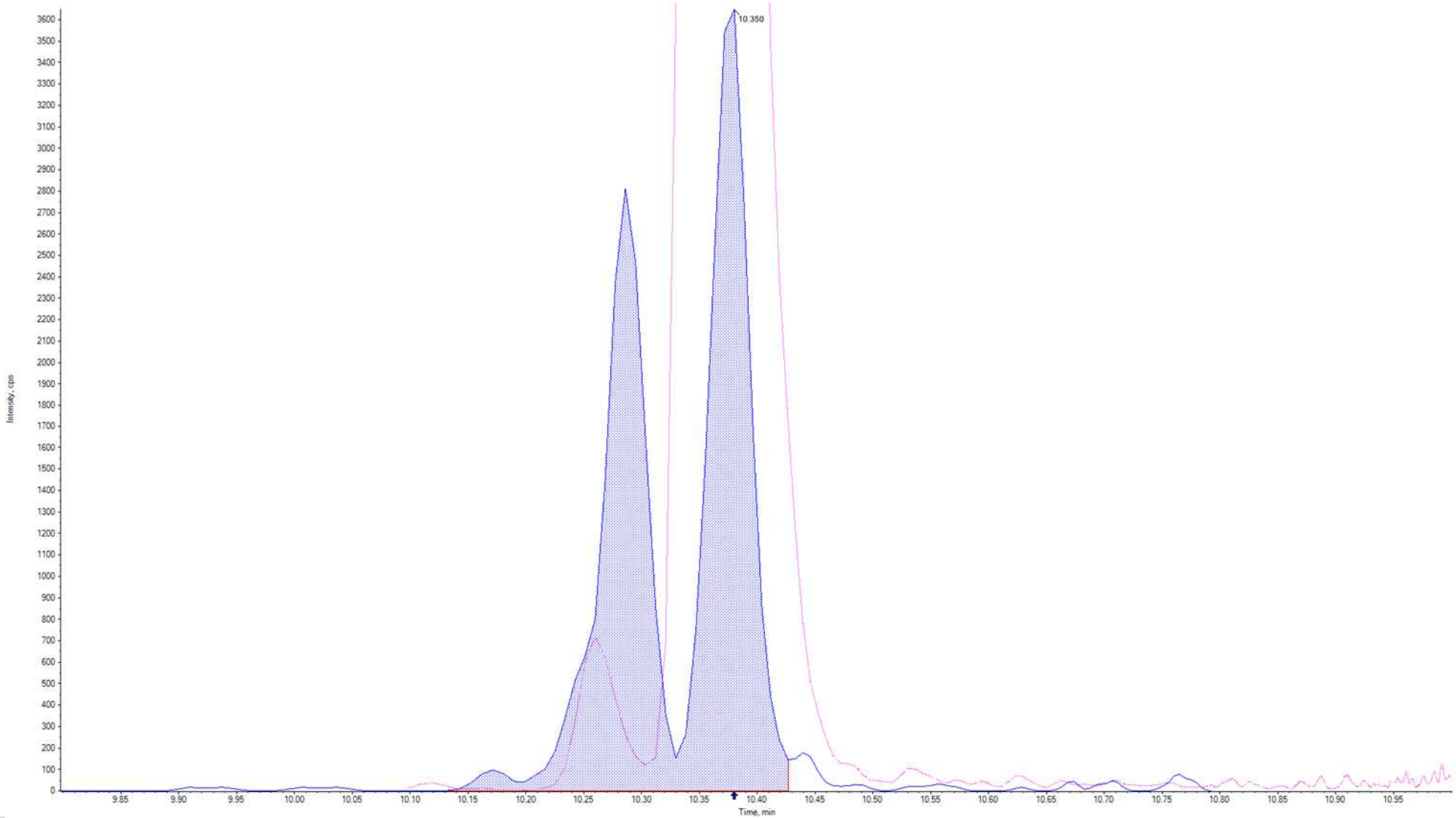
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-.2 S/N:74730.4 Points Across peak:42



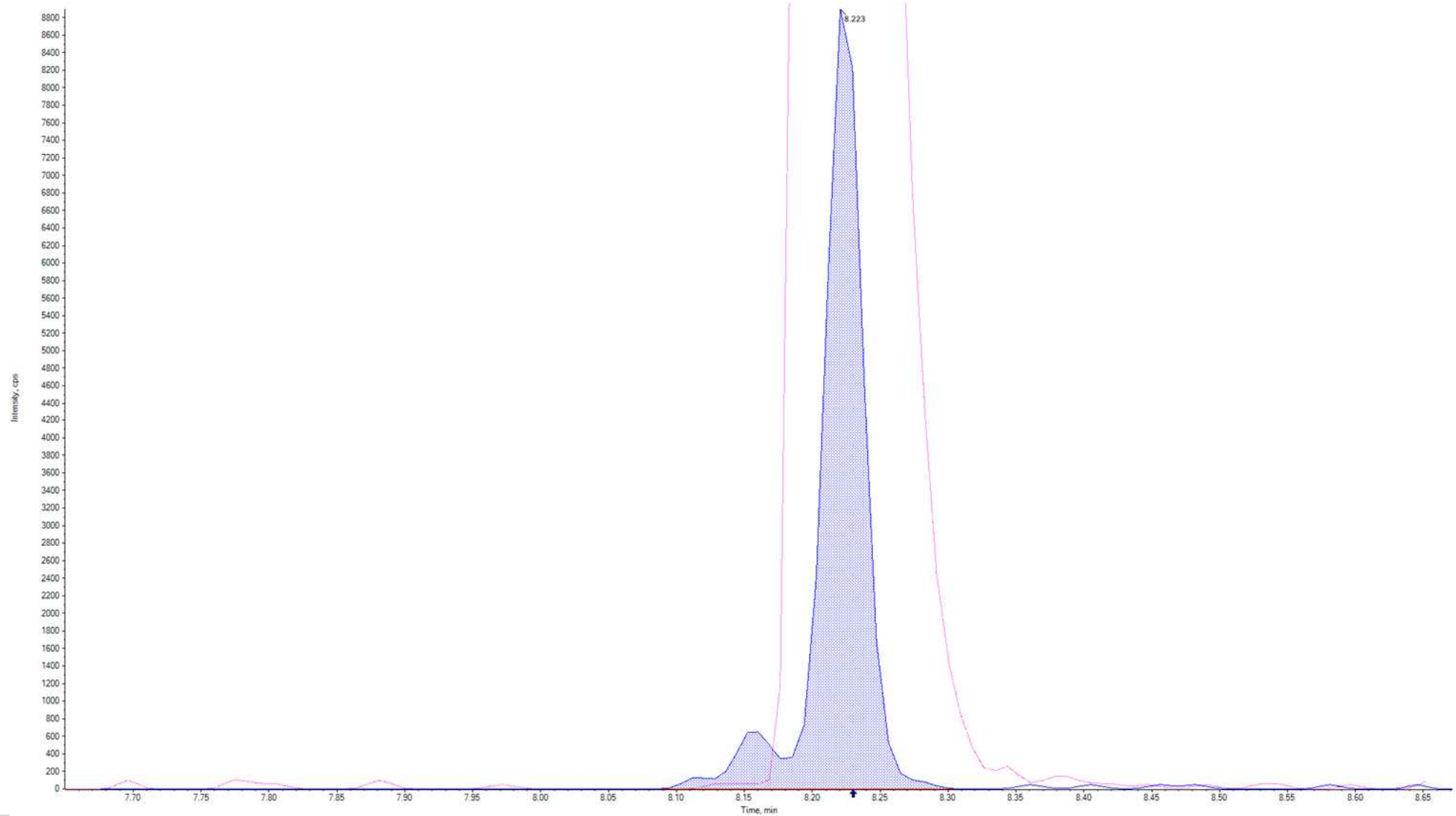
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-.2 S/N:276.3 Points Across peak:36



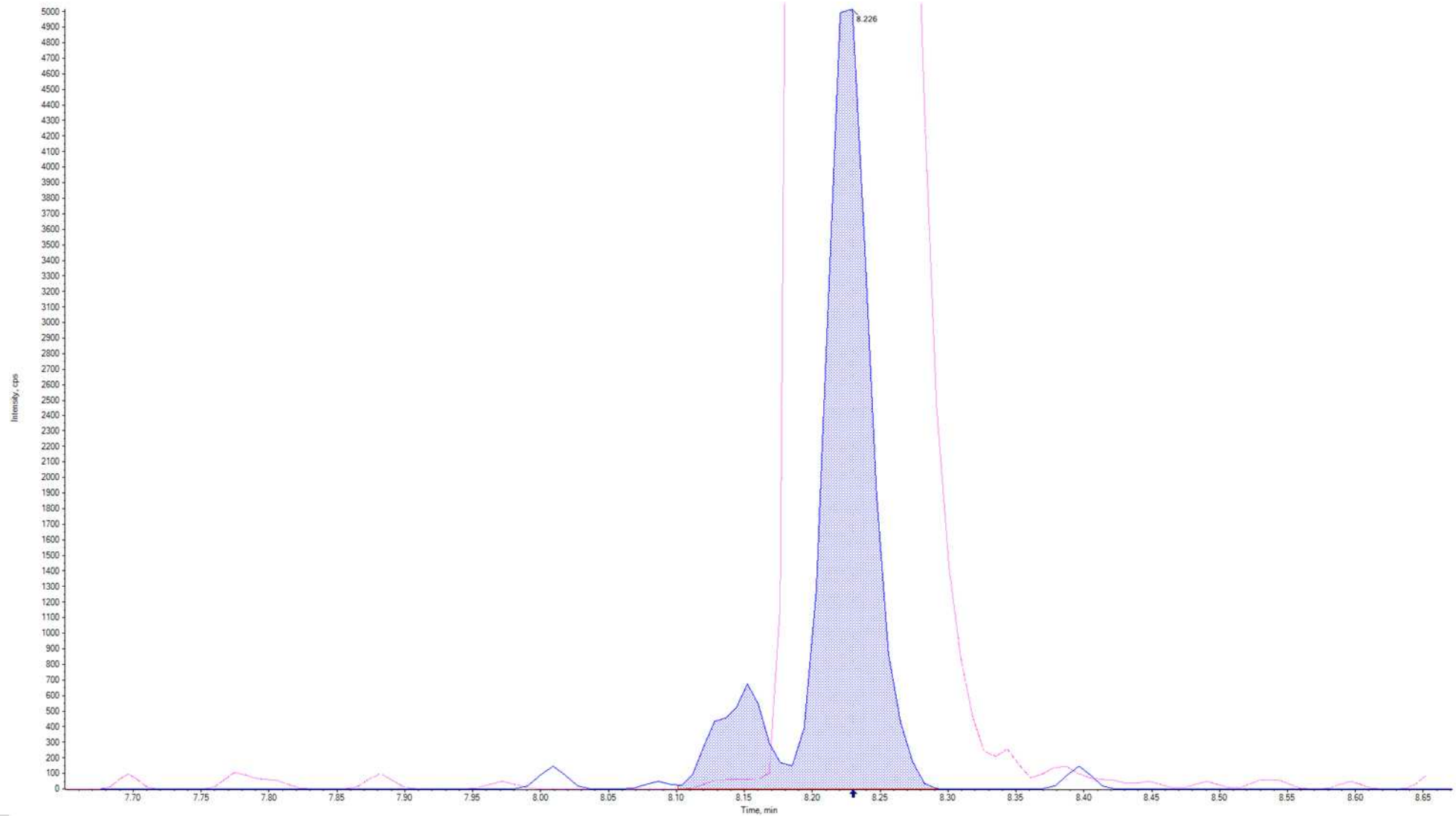
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-.2 S/N:335.4 Points Across peak:31



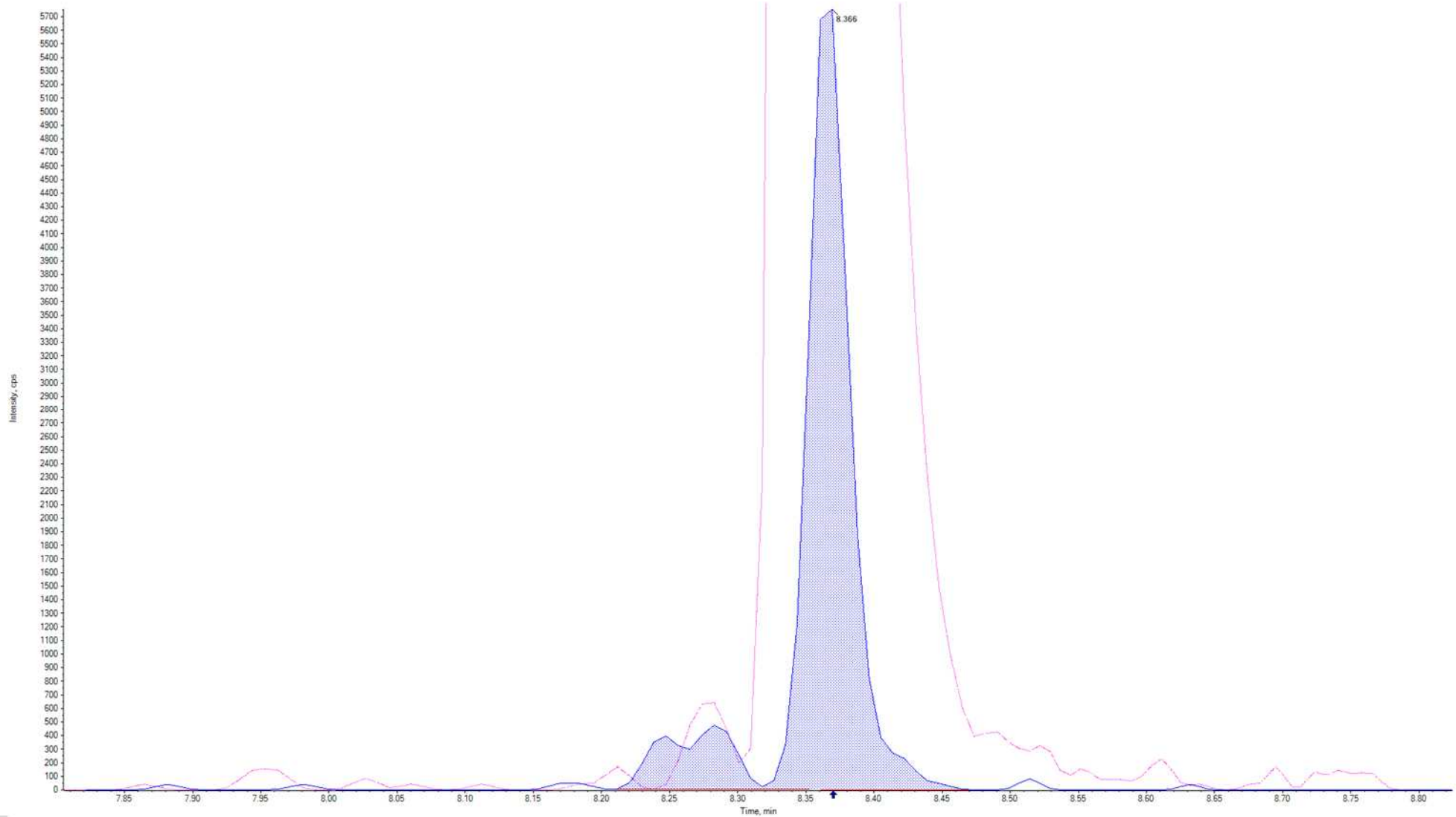
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-.2 S/N:559.1 Points Across peak:25



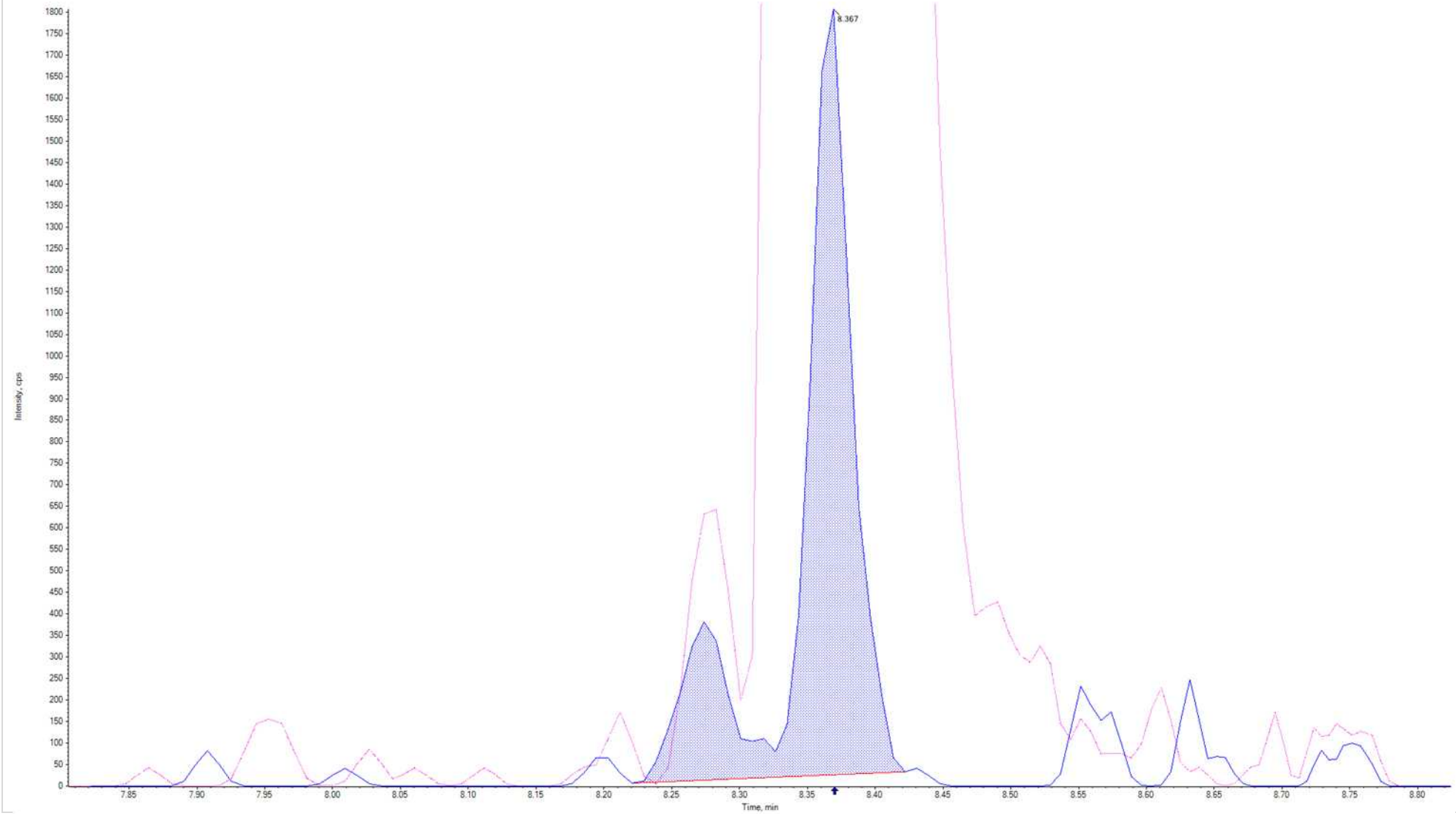
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-.2 S/N:328.2 Points Across peak:33



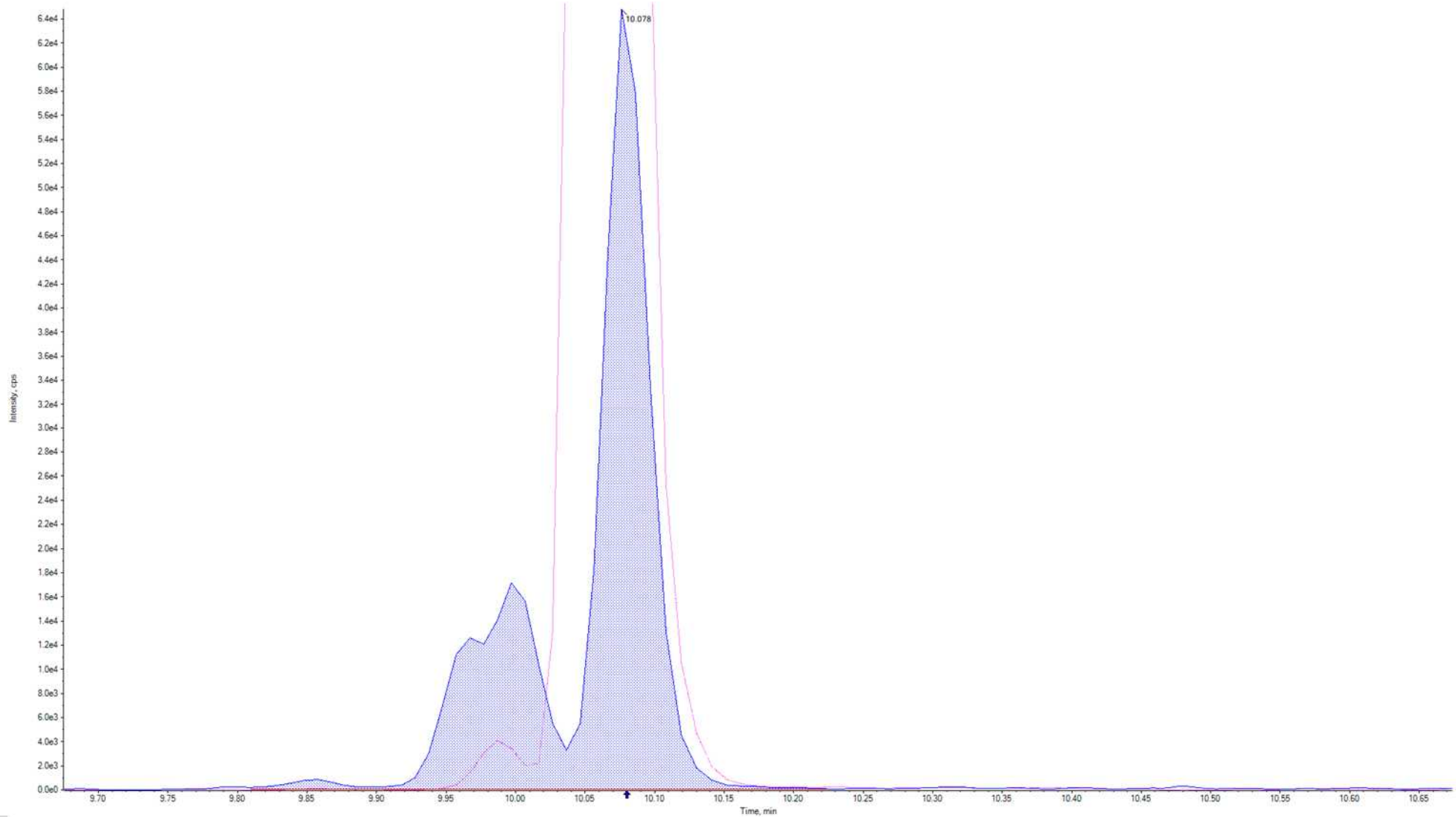
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-.2 S/N:65.3 Points Across peak:24



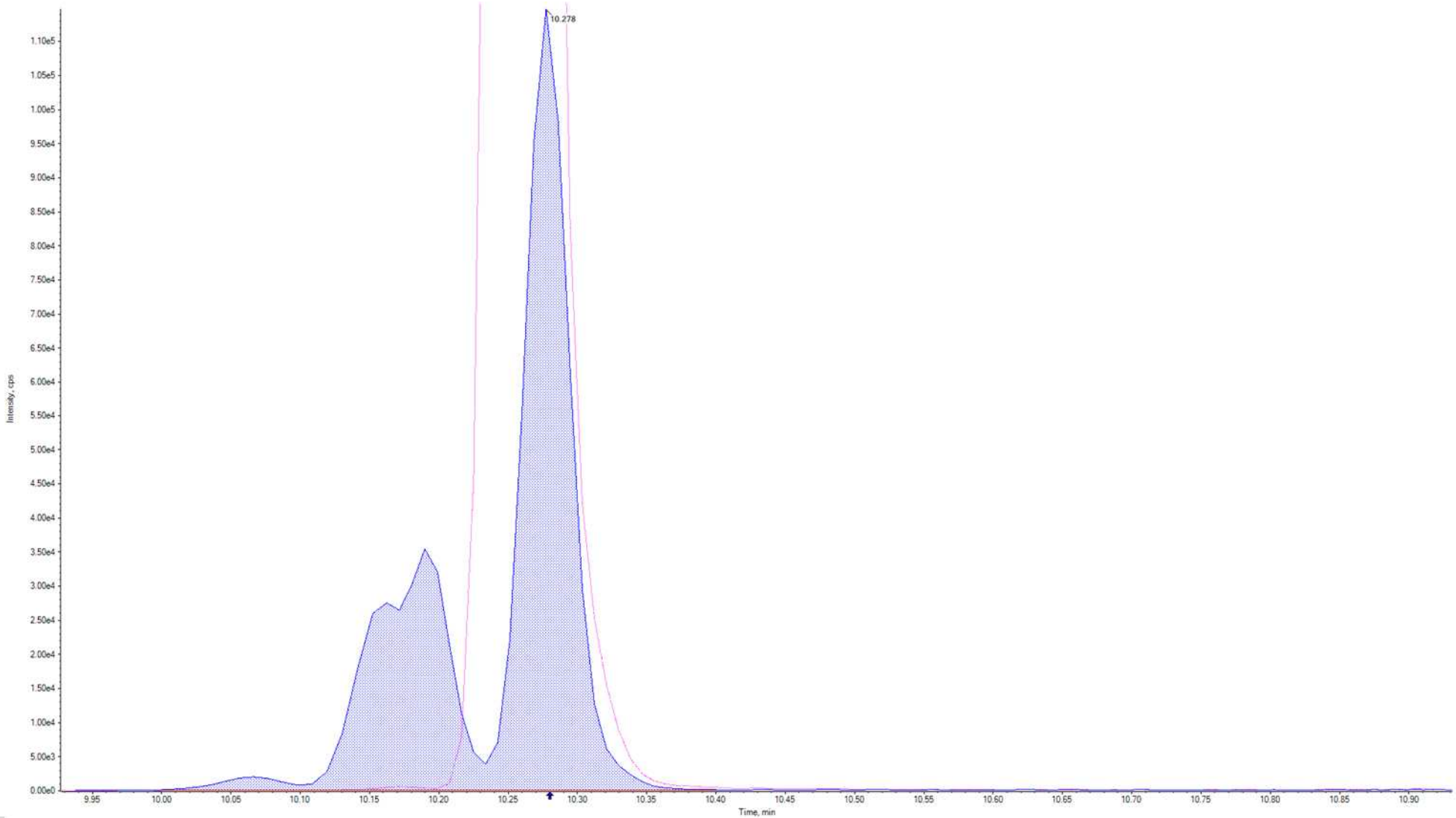
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-.2 S/N:1918.1 Points Across peak:46



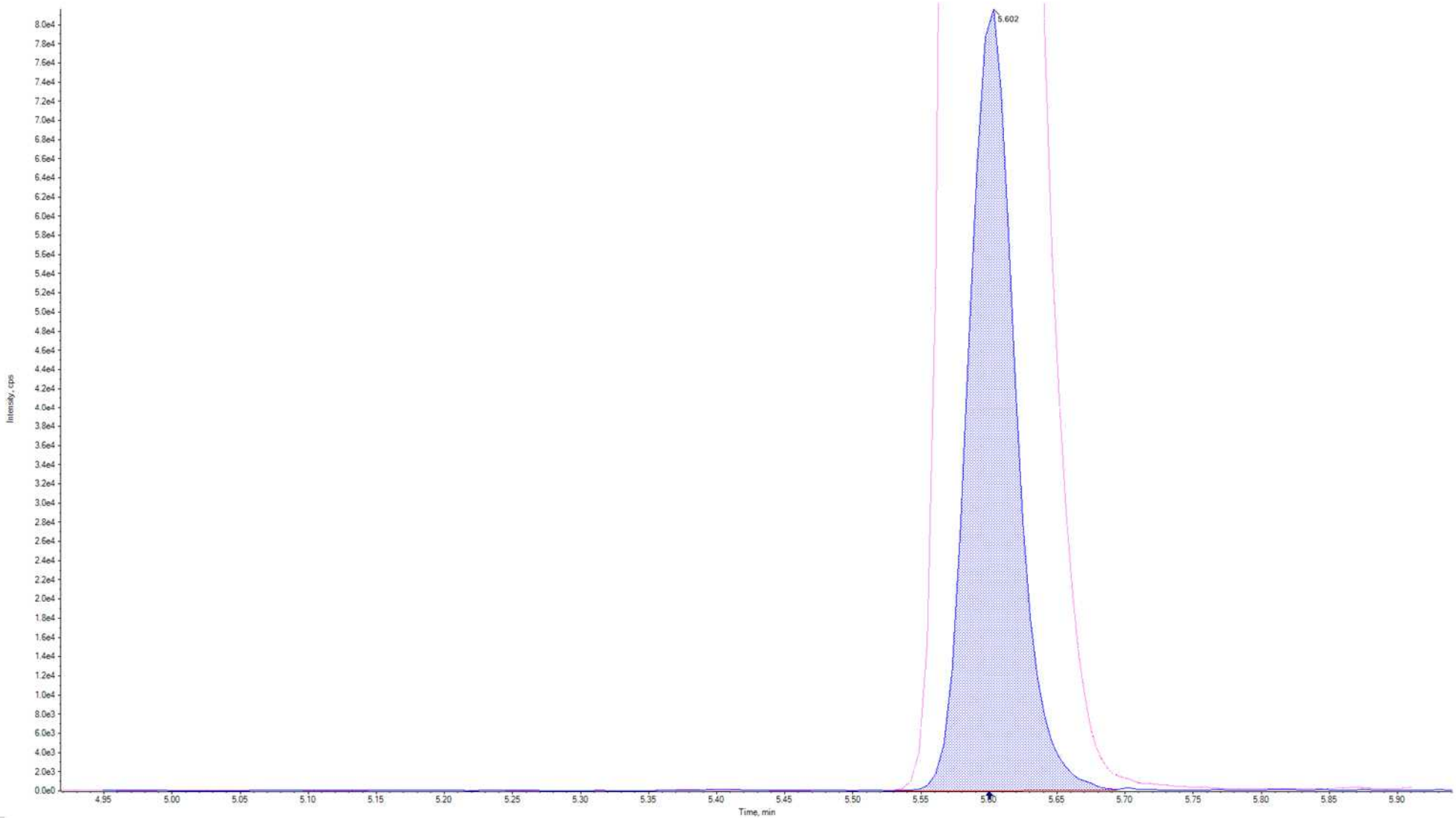
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-.2 S/N:1082.9 Points Across peak:47



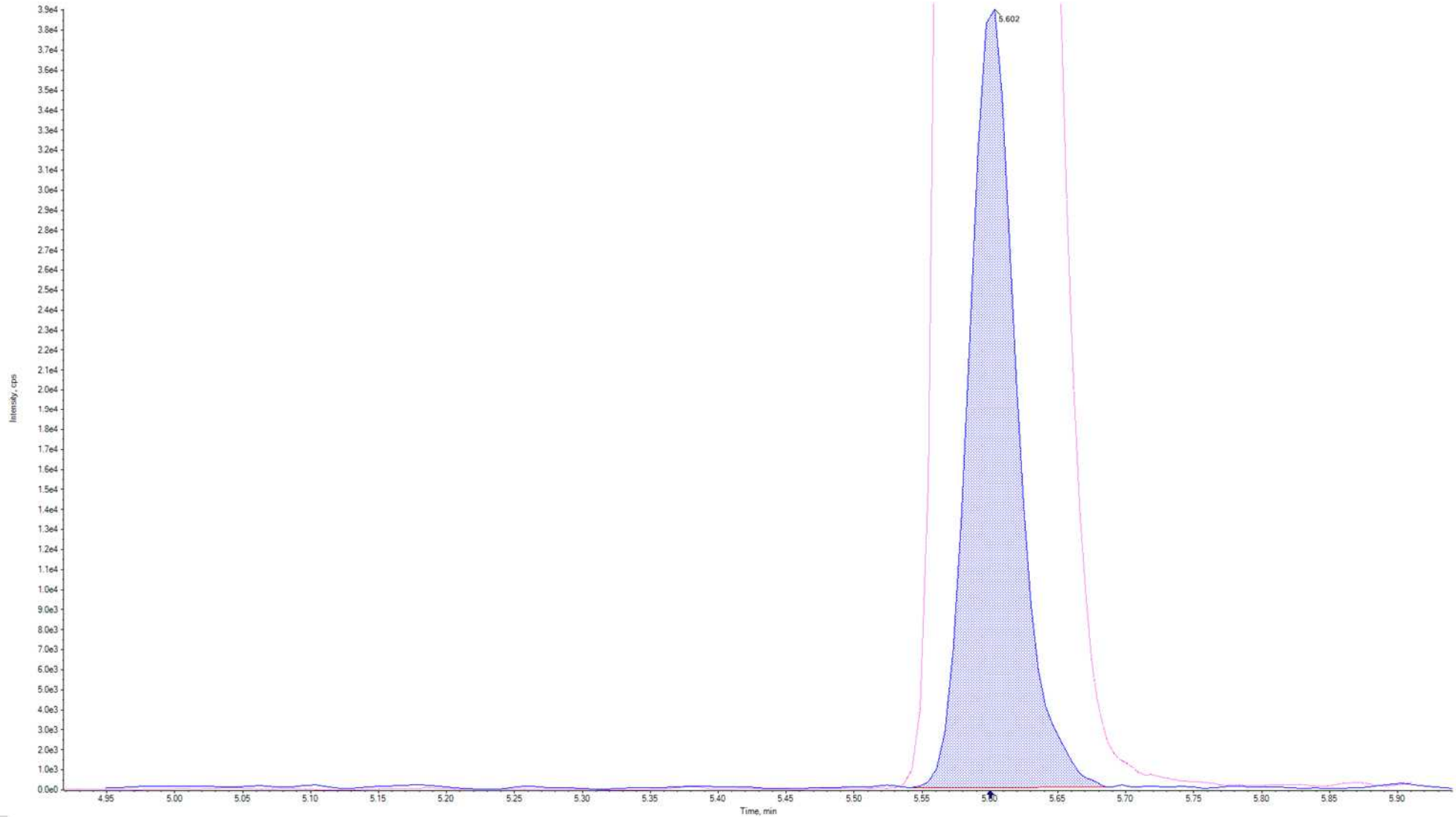
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-.2 S/N:2485.2 Points Across peak:33



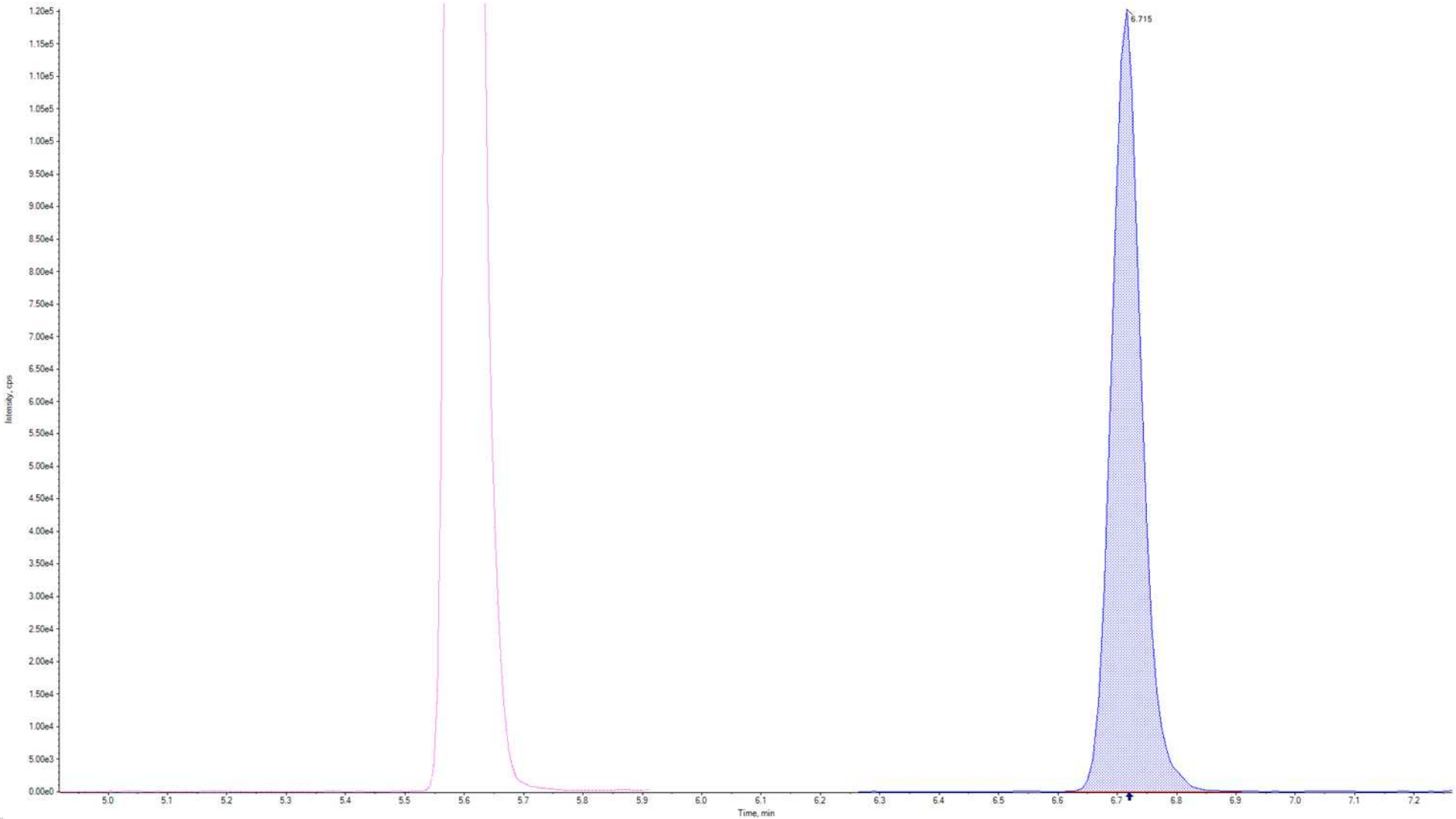
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-.2 S/N:1396.2 Points Across peak:28



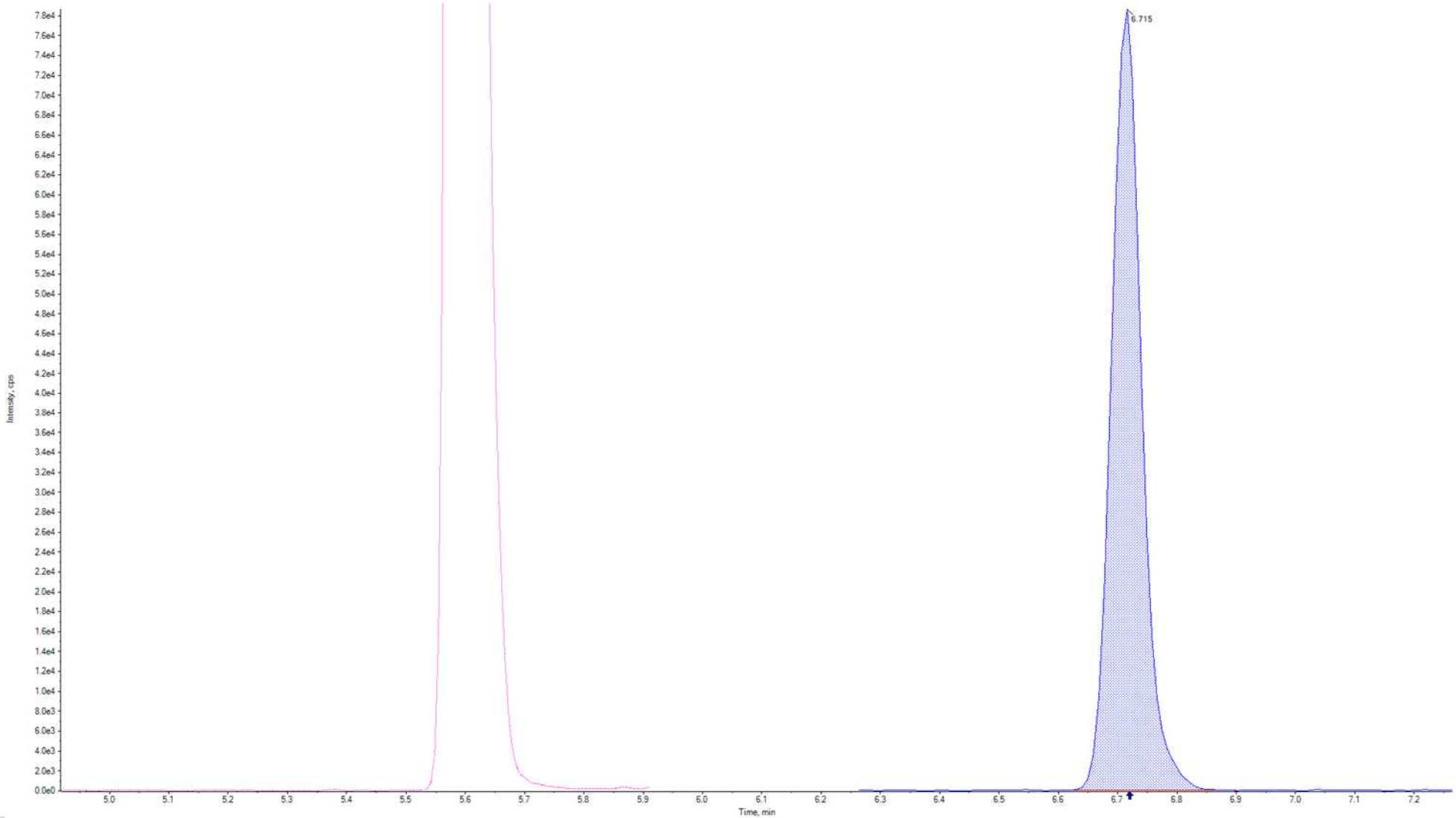
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-.2 S/N:44579.4 Points Across peak:41



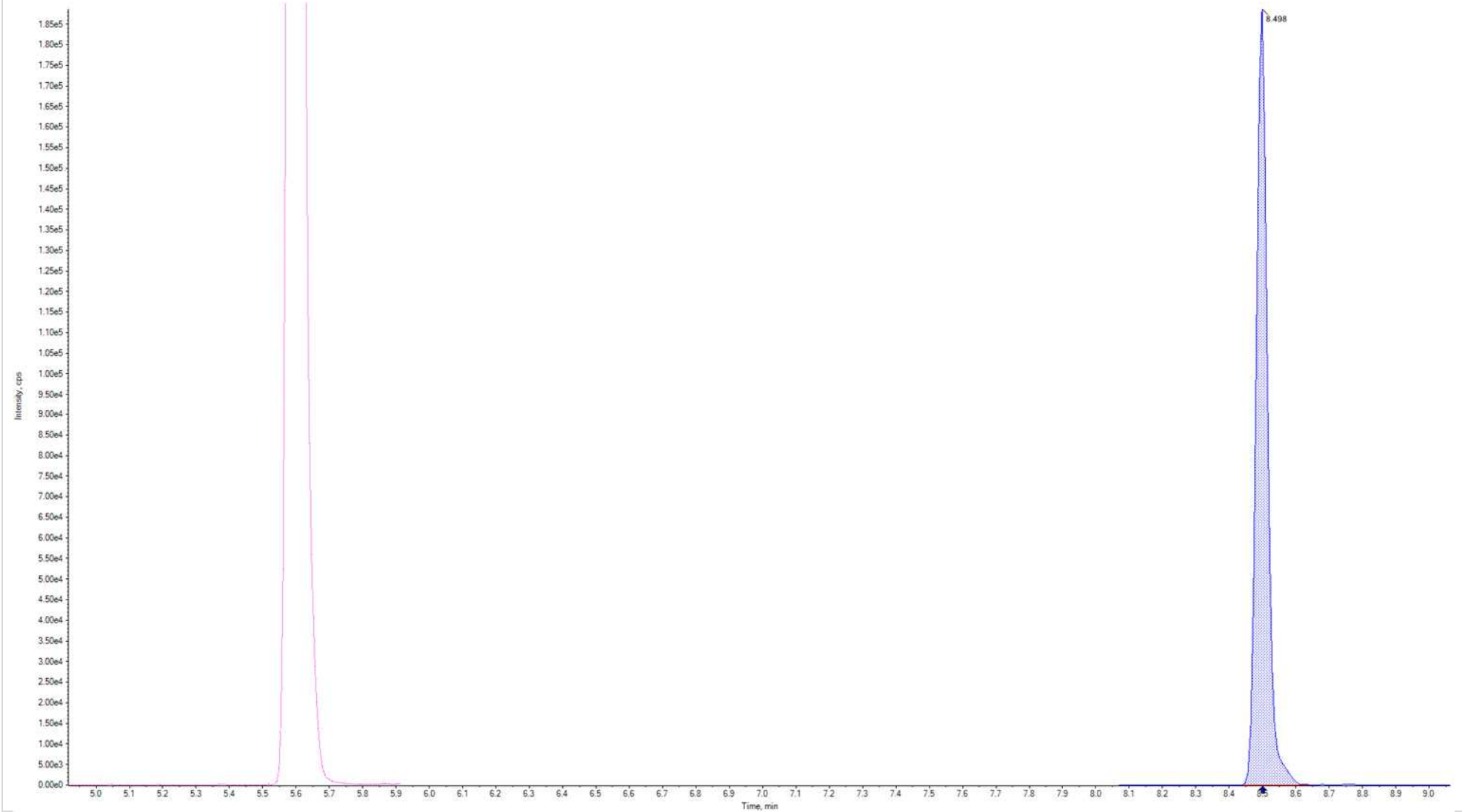
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-.2 S/N:6495.7 Points Across peak:41



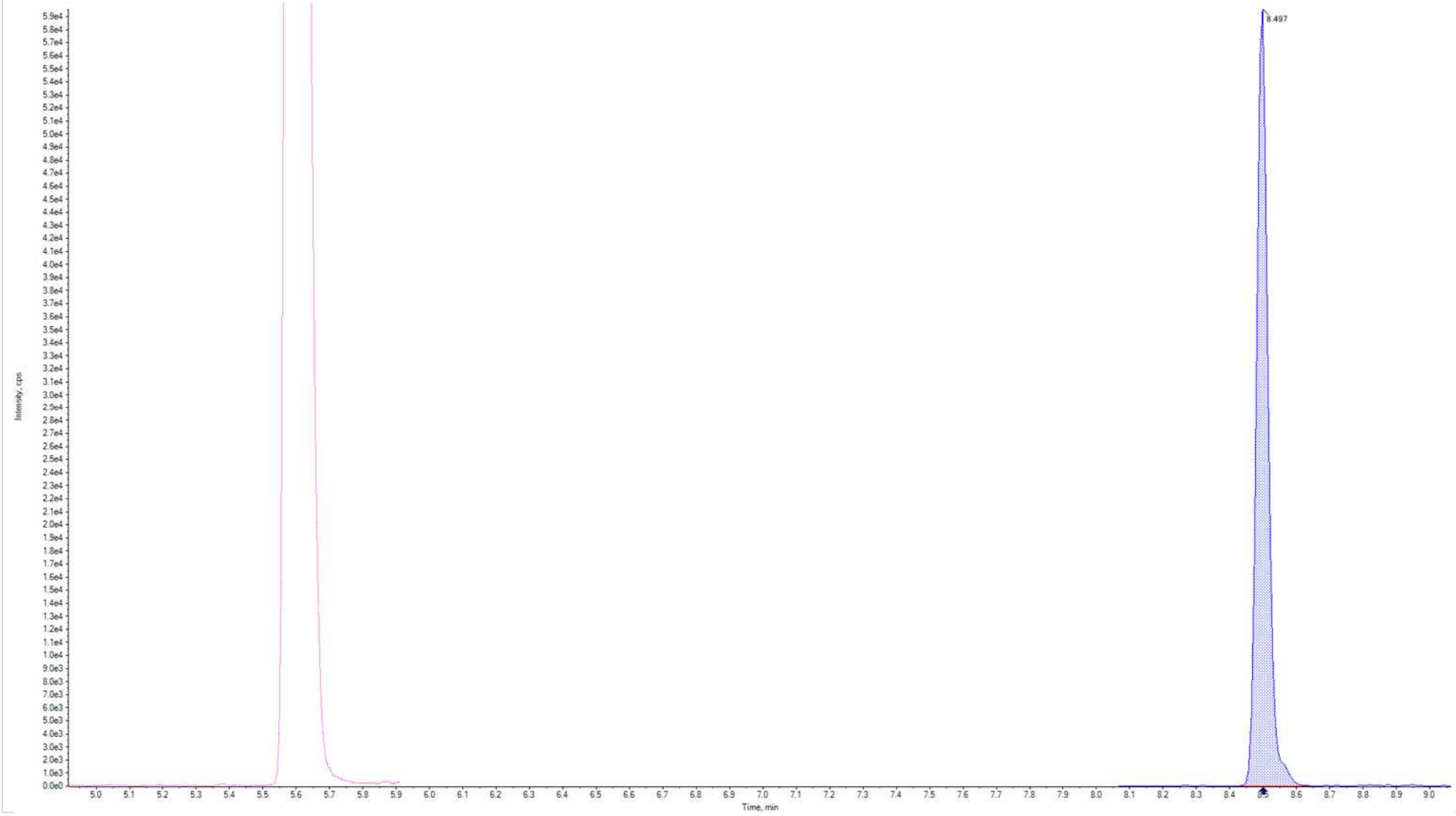
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-.2 S/N:1583170.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-.2 S/N:984415.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

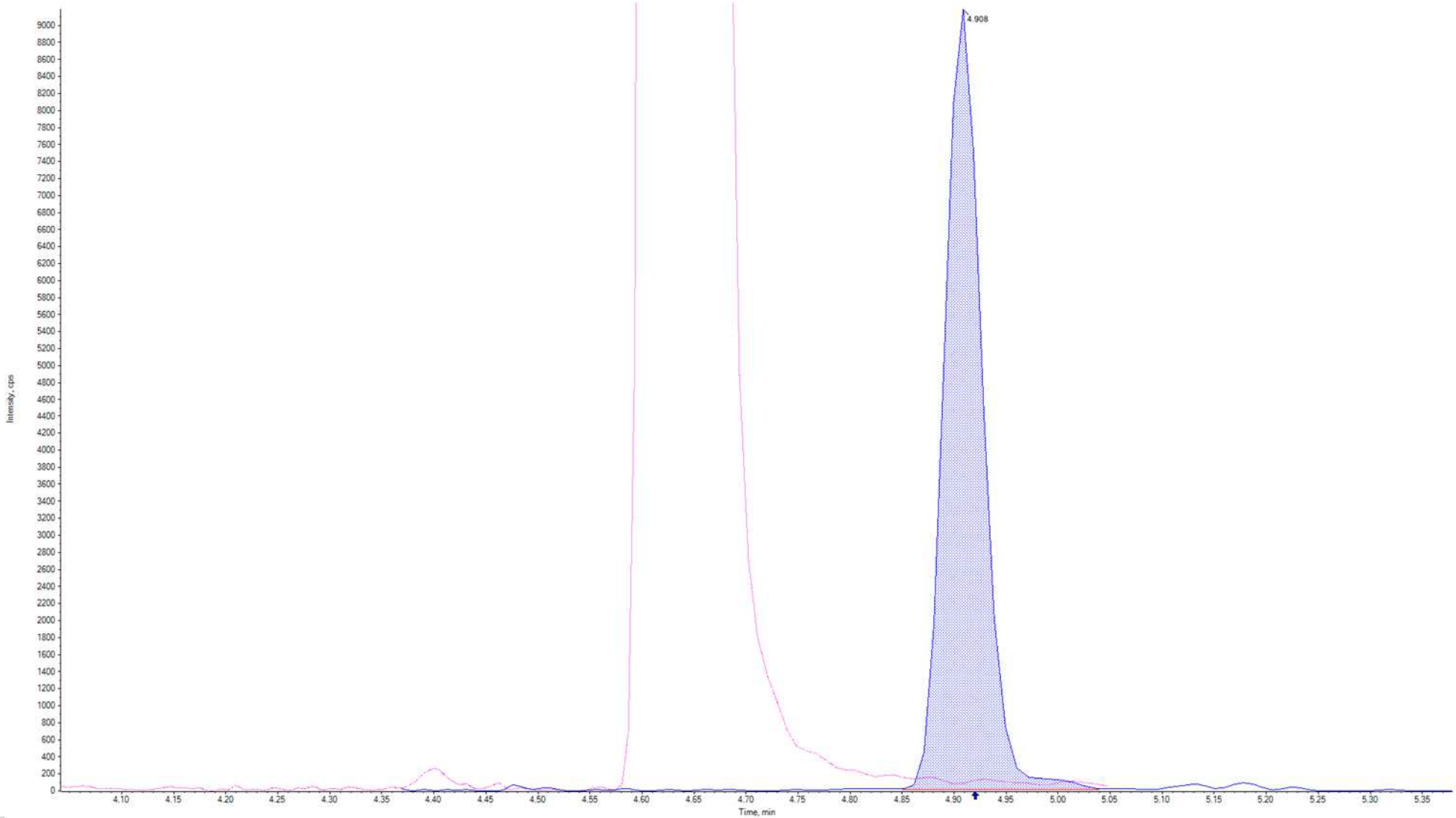
11Cl-PF3OUdS
Sample: IA1633STD-.2 S/N:3312.8 Points Across peak:41

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-.2 S/N:2375.5 Points Across peak:35

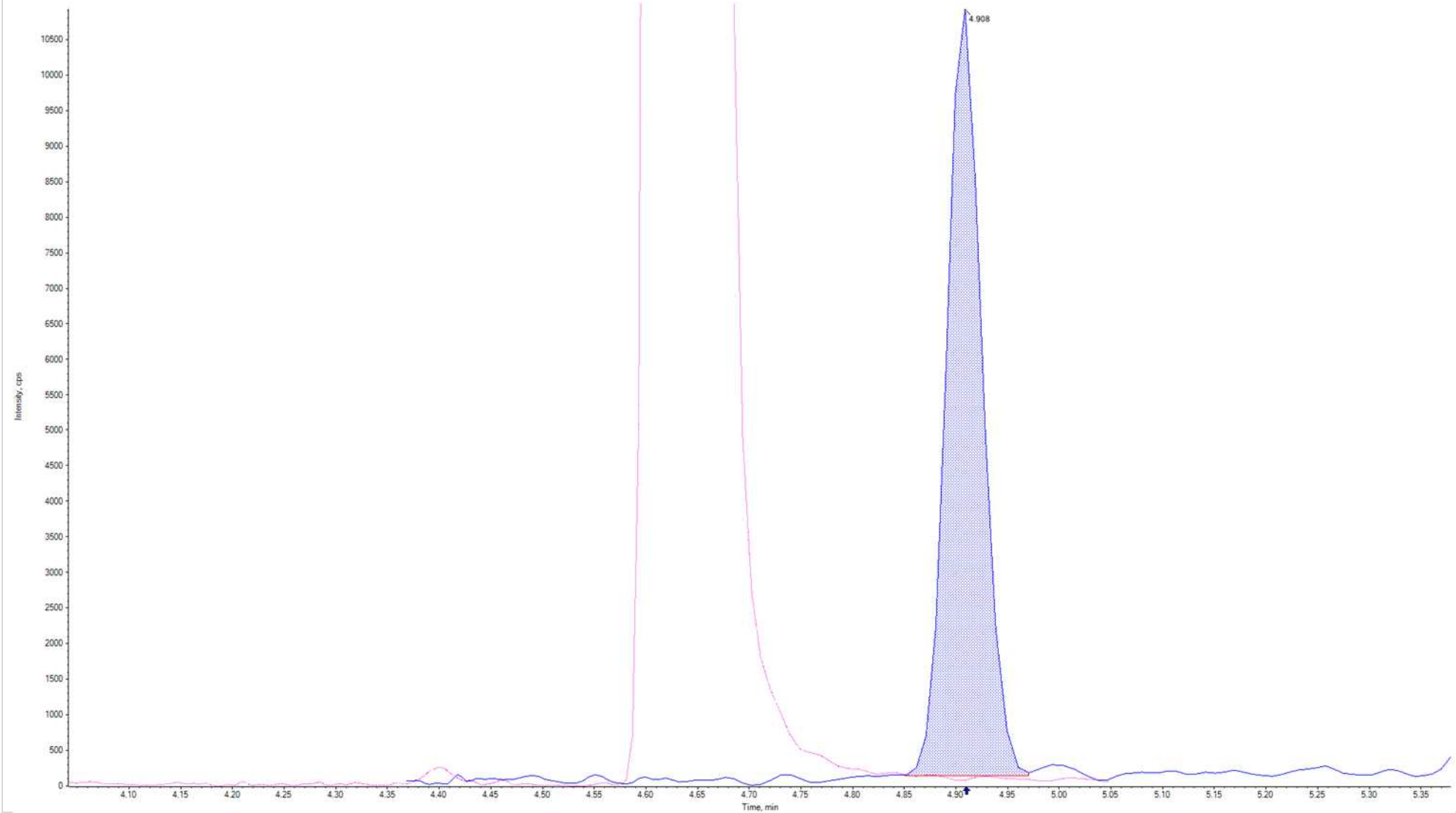
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-.2 S/N:6376312.2 Points Across peak:21



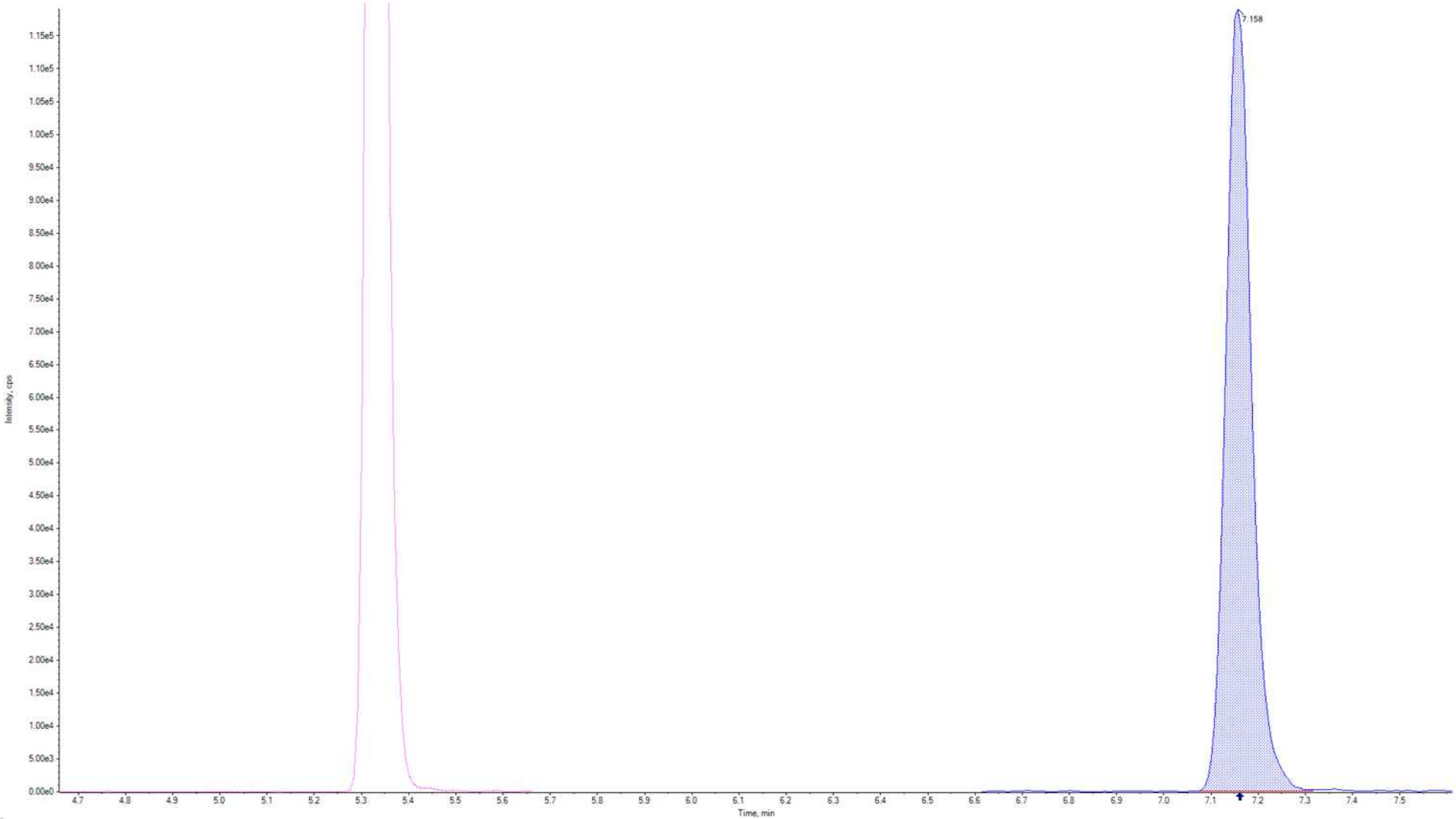
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-.2 S/N:628.2 Points Across peak:14



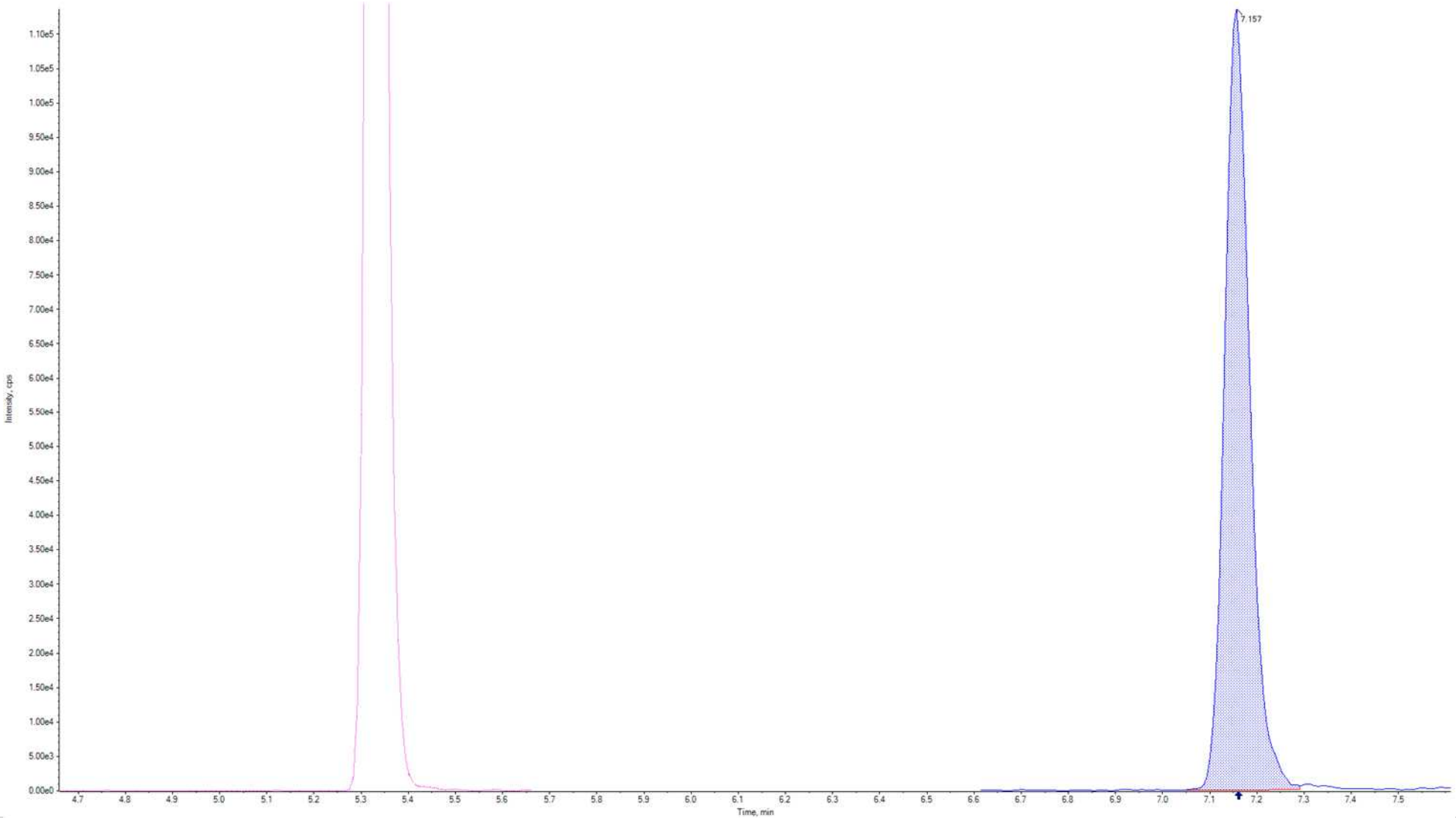
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-.2 S/N:4515.9 Points Across peak:43



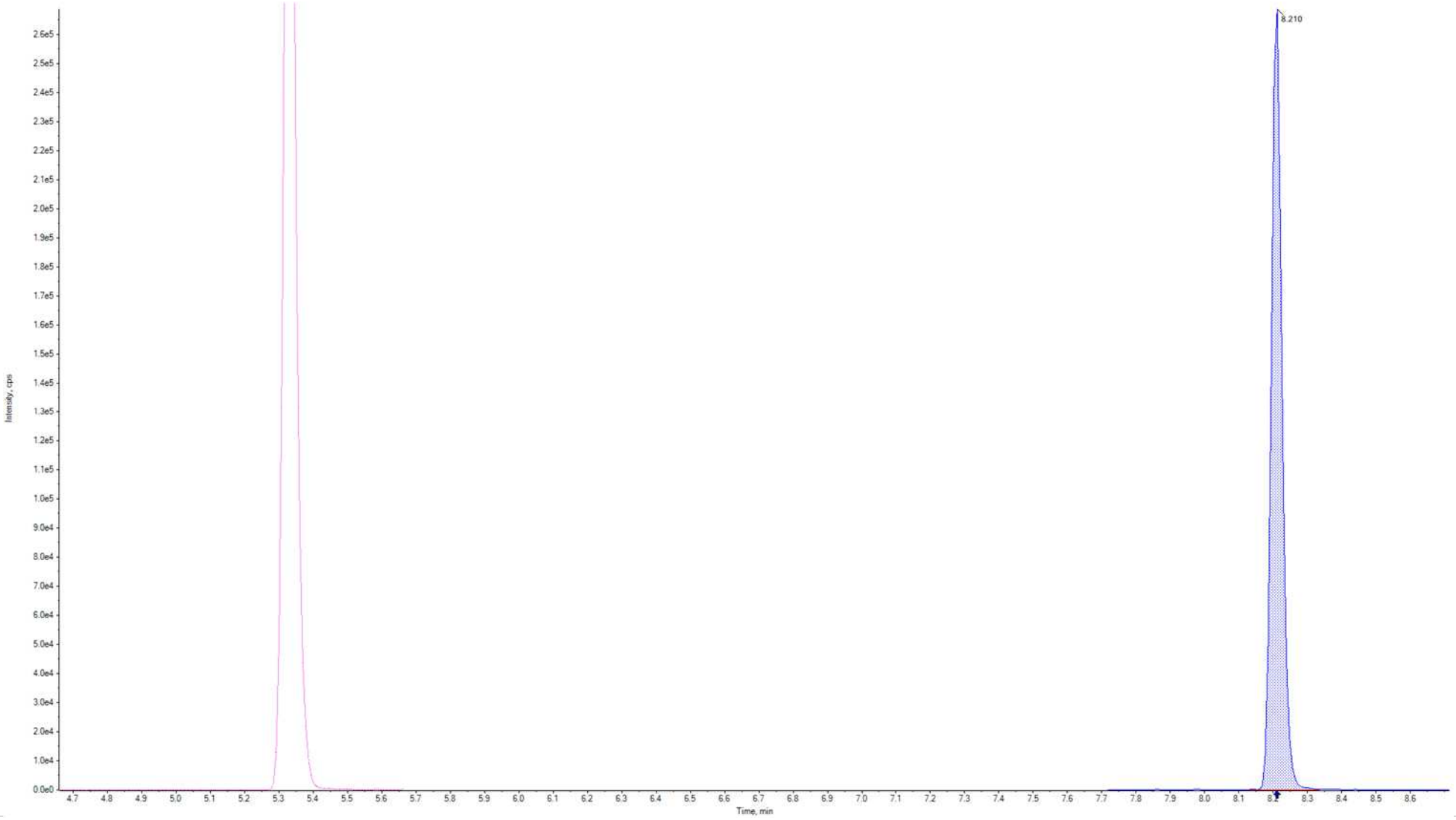
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-.2 S/N:3418.8 Points Across peak:42



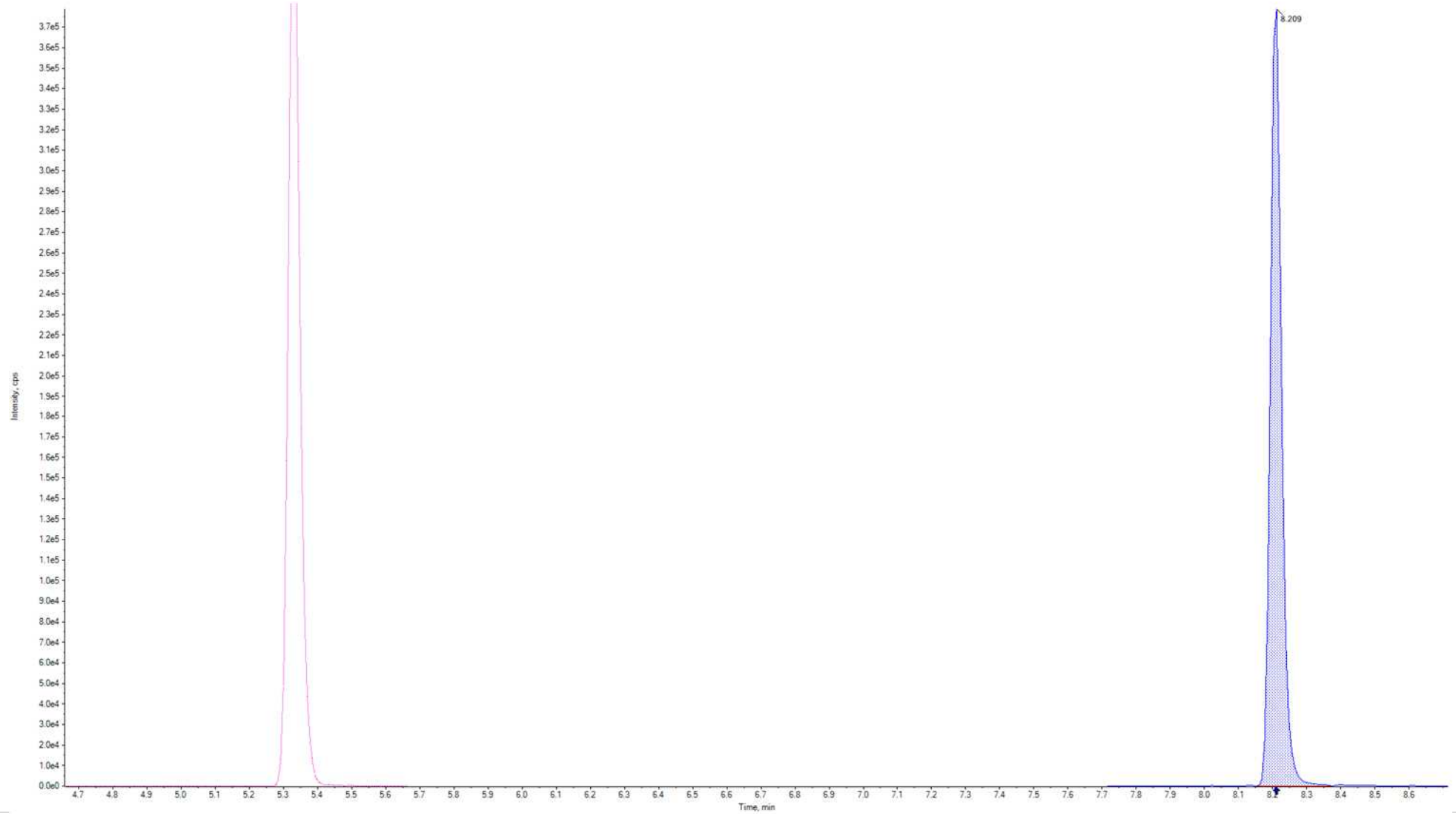
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-.2 S/N:883473.4 Points Across peak:27



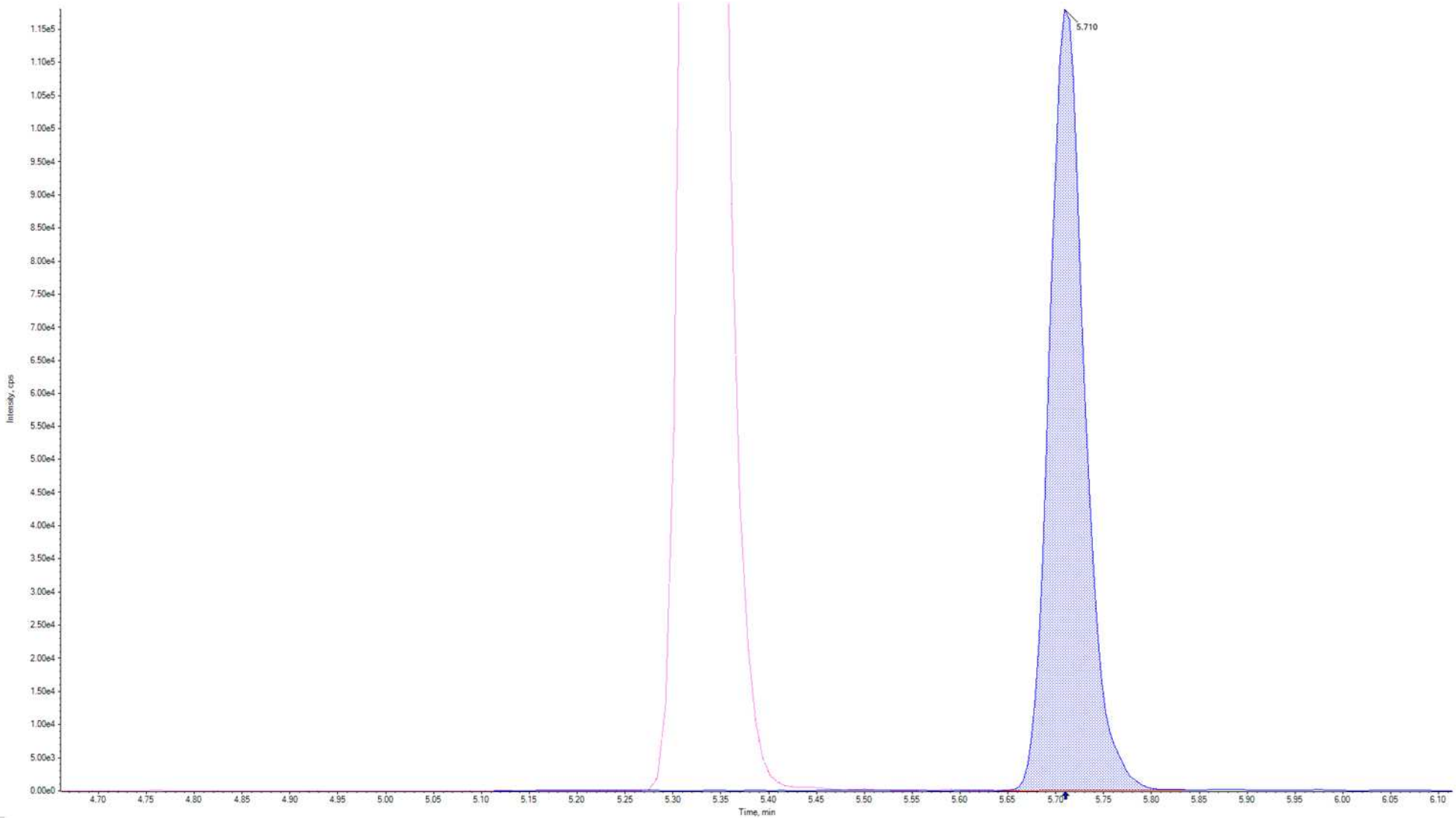
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-.2 S/N:9104.4 Points Across peak:27



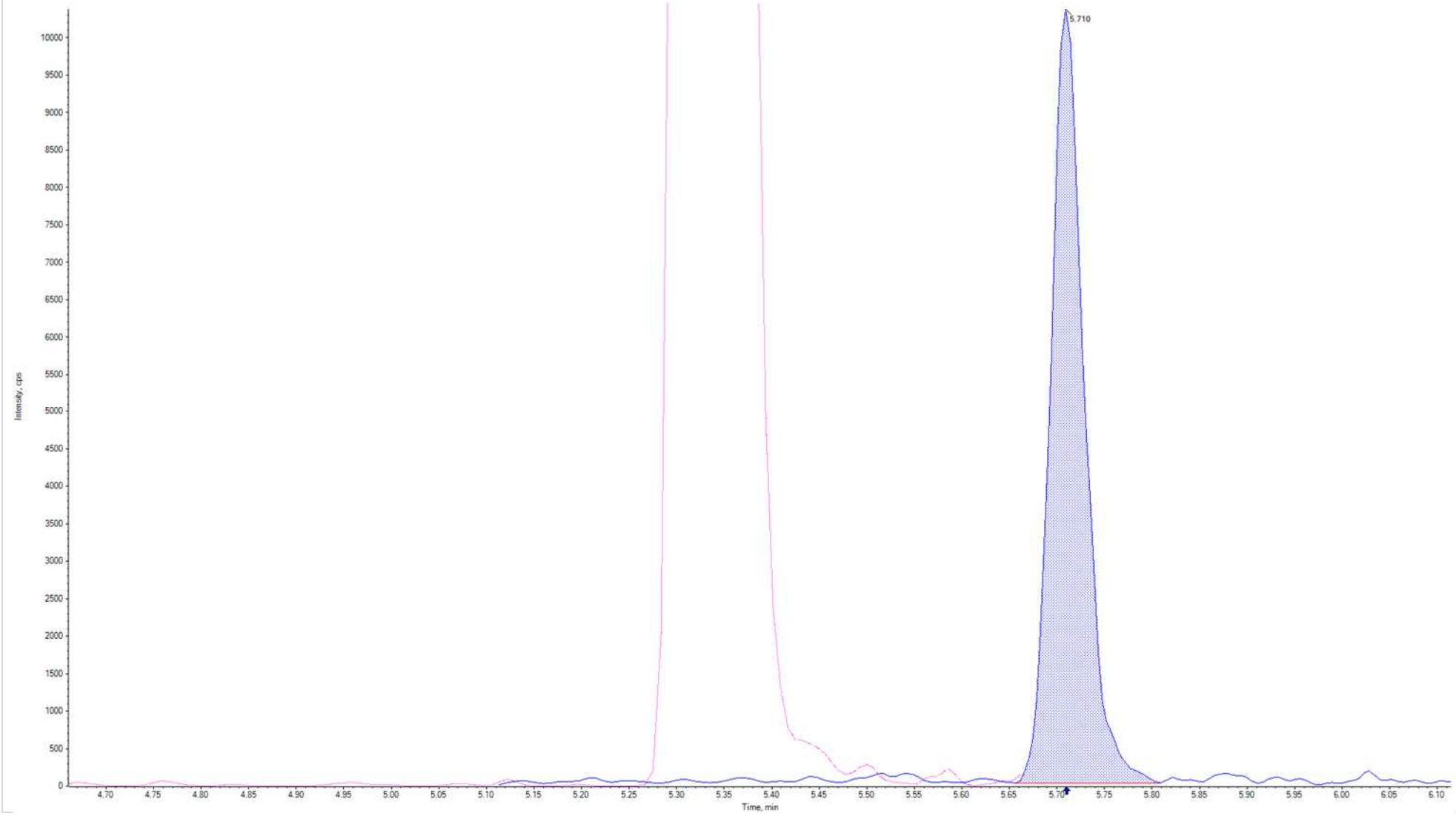
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-.2 S/N:5409.5 Points Across peak:44



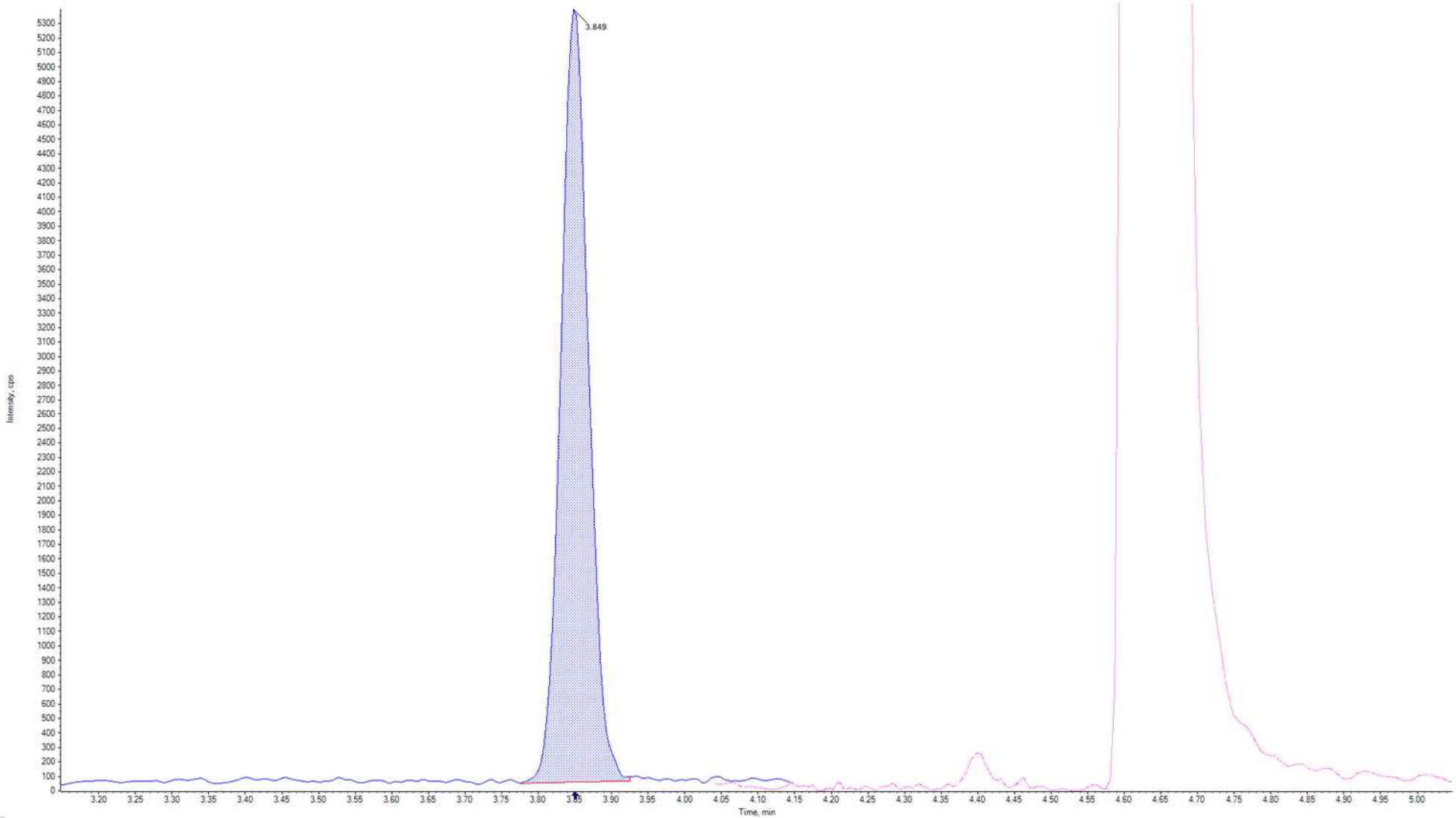
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-.2 S/N:1031.8 Points Across peak:35



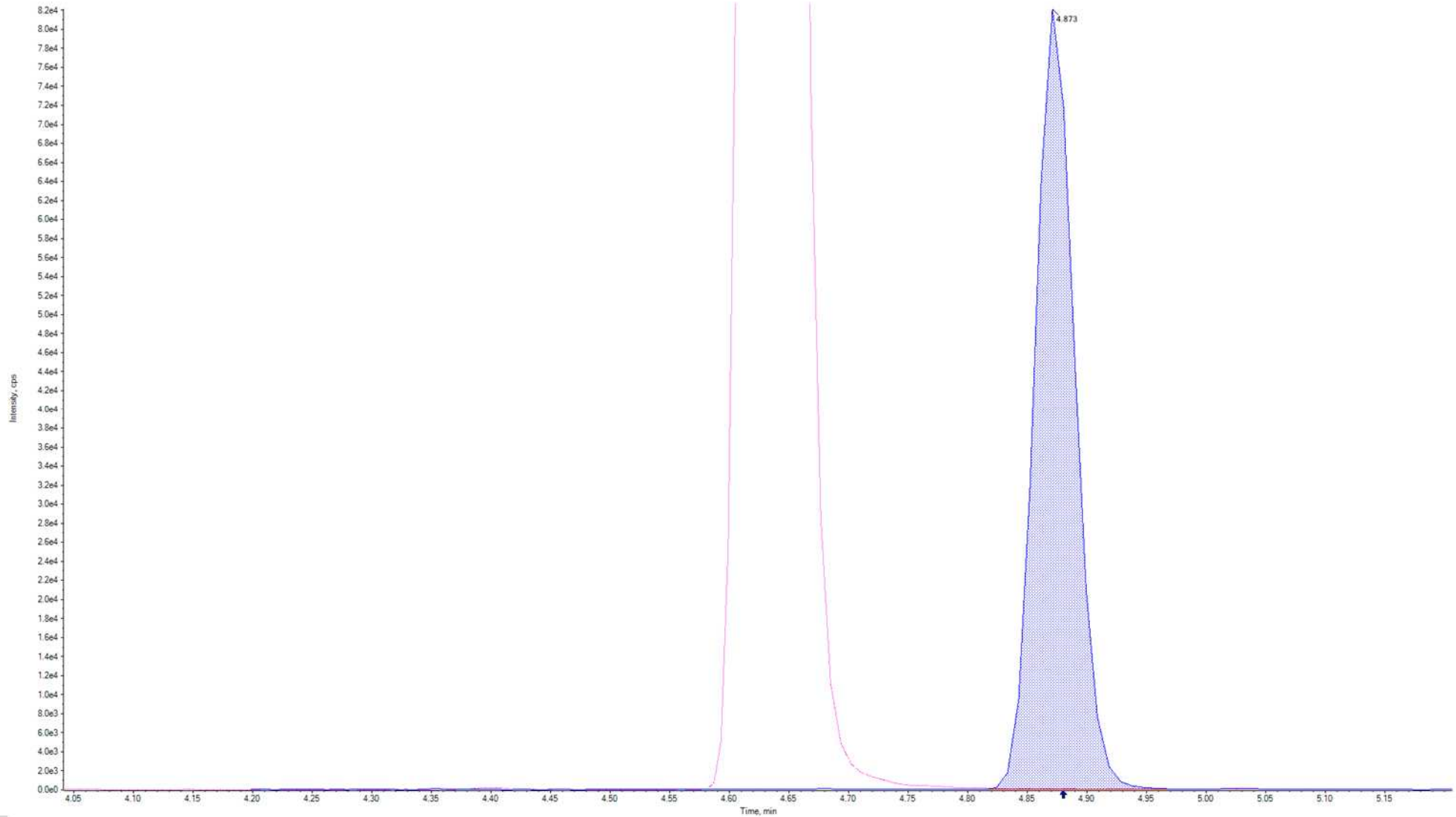
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-.2 S/N:787.1 Points Across peak:38



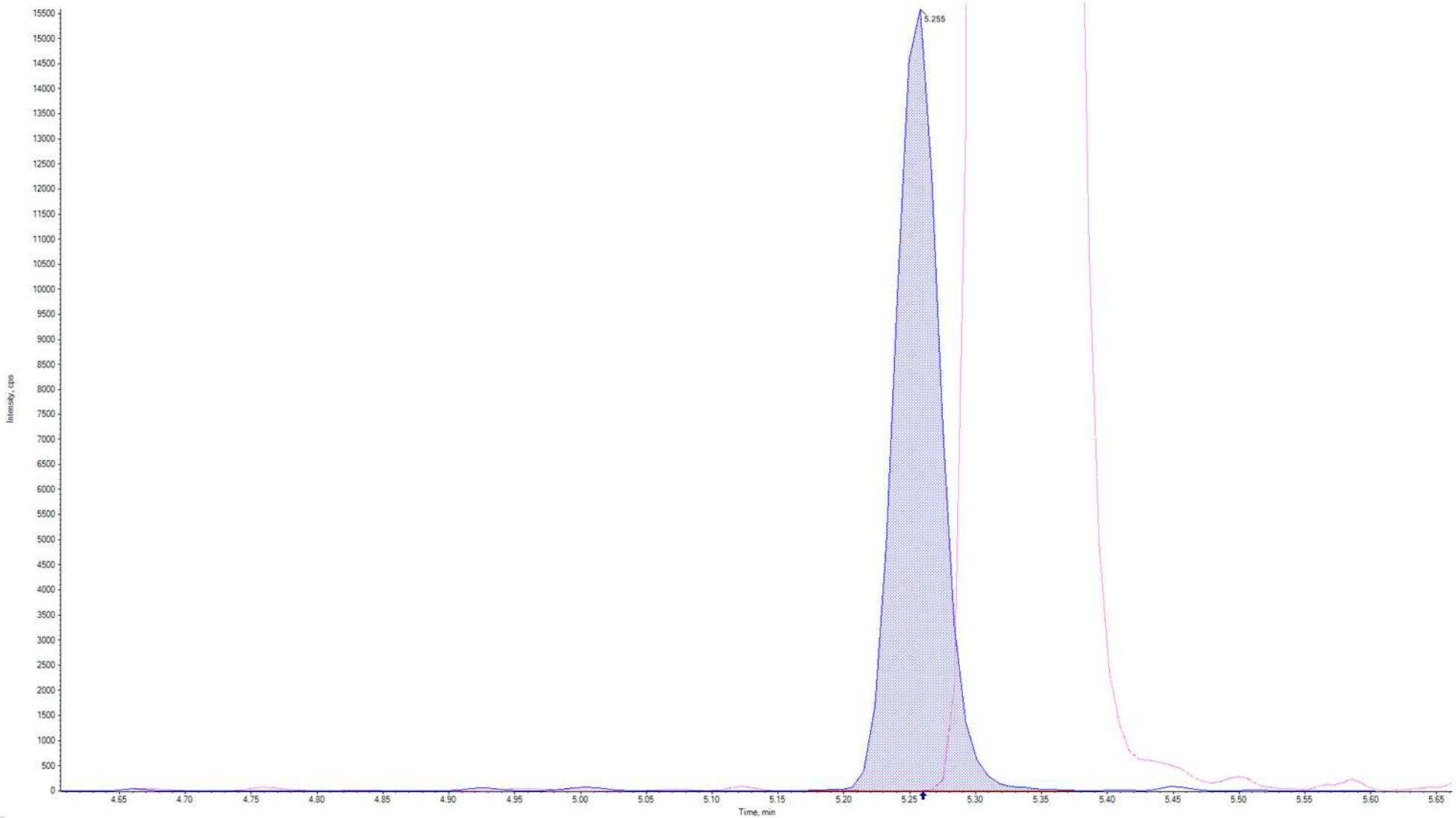
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-.2 S/N:1958.5 Points Across peak:20



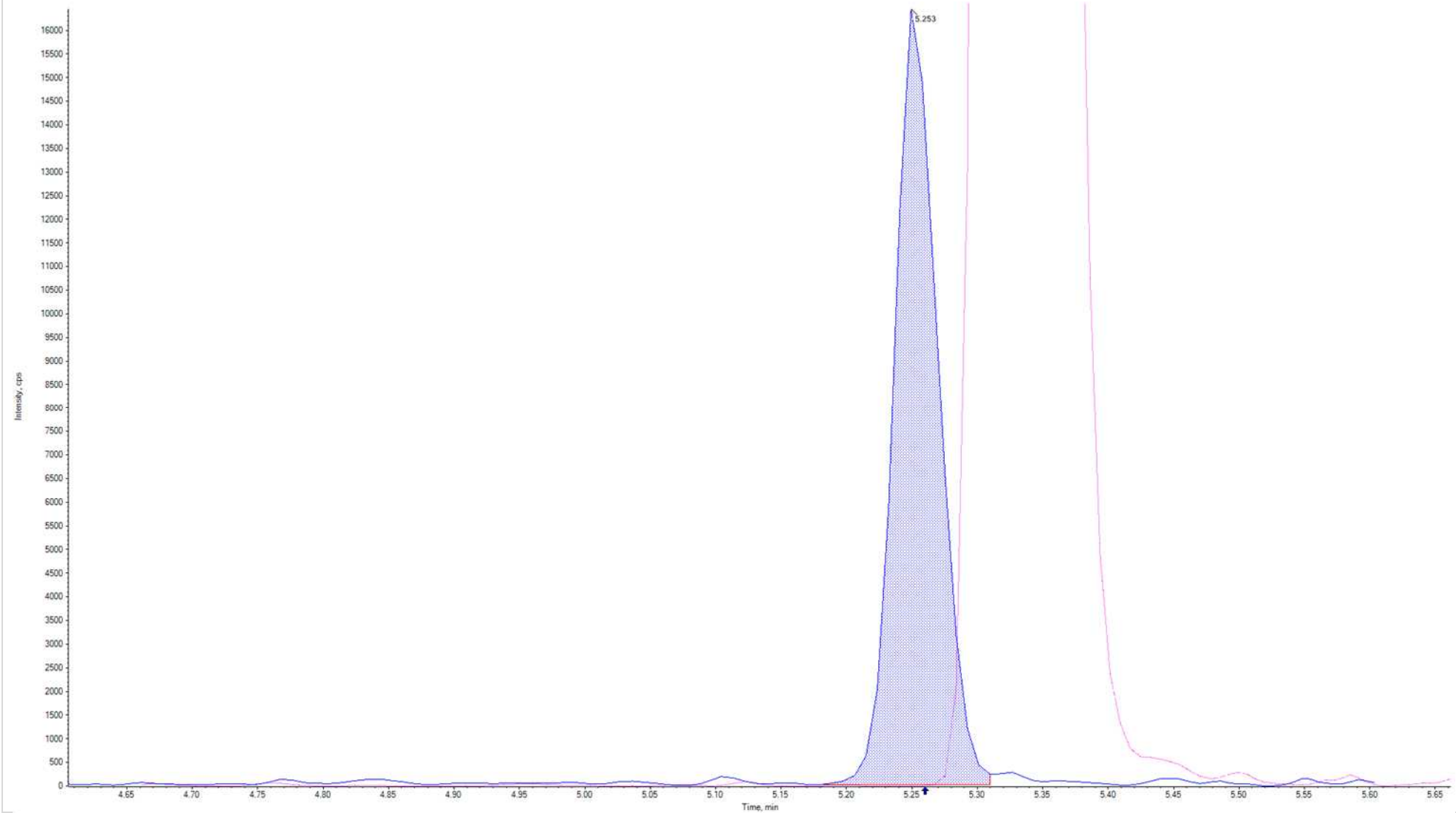
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-.2 S/N:1998.7 Points Across peak:28



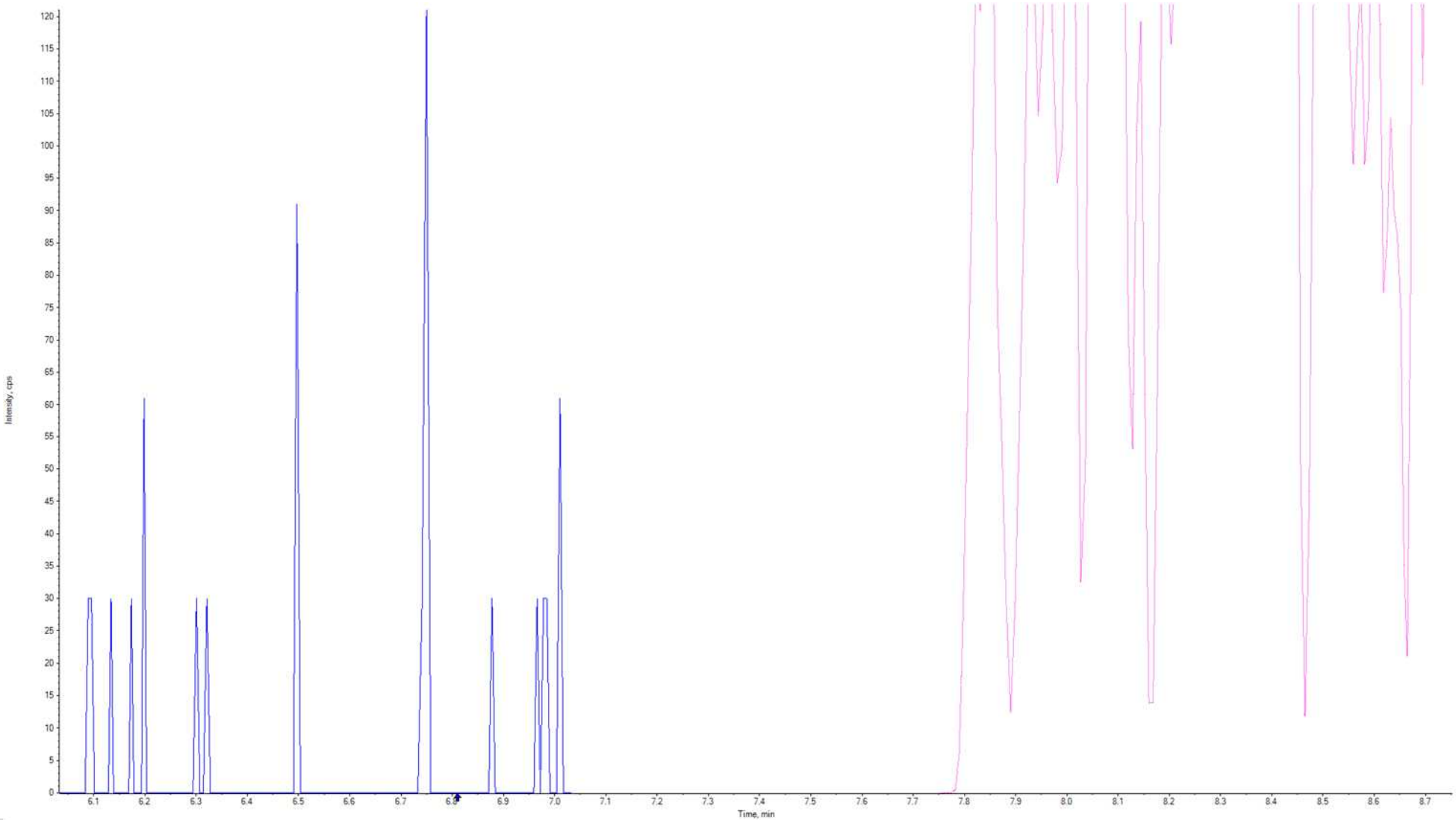
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-.2 S/N:1396.6 Points Across peak:16



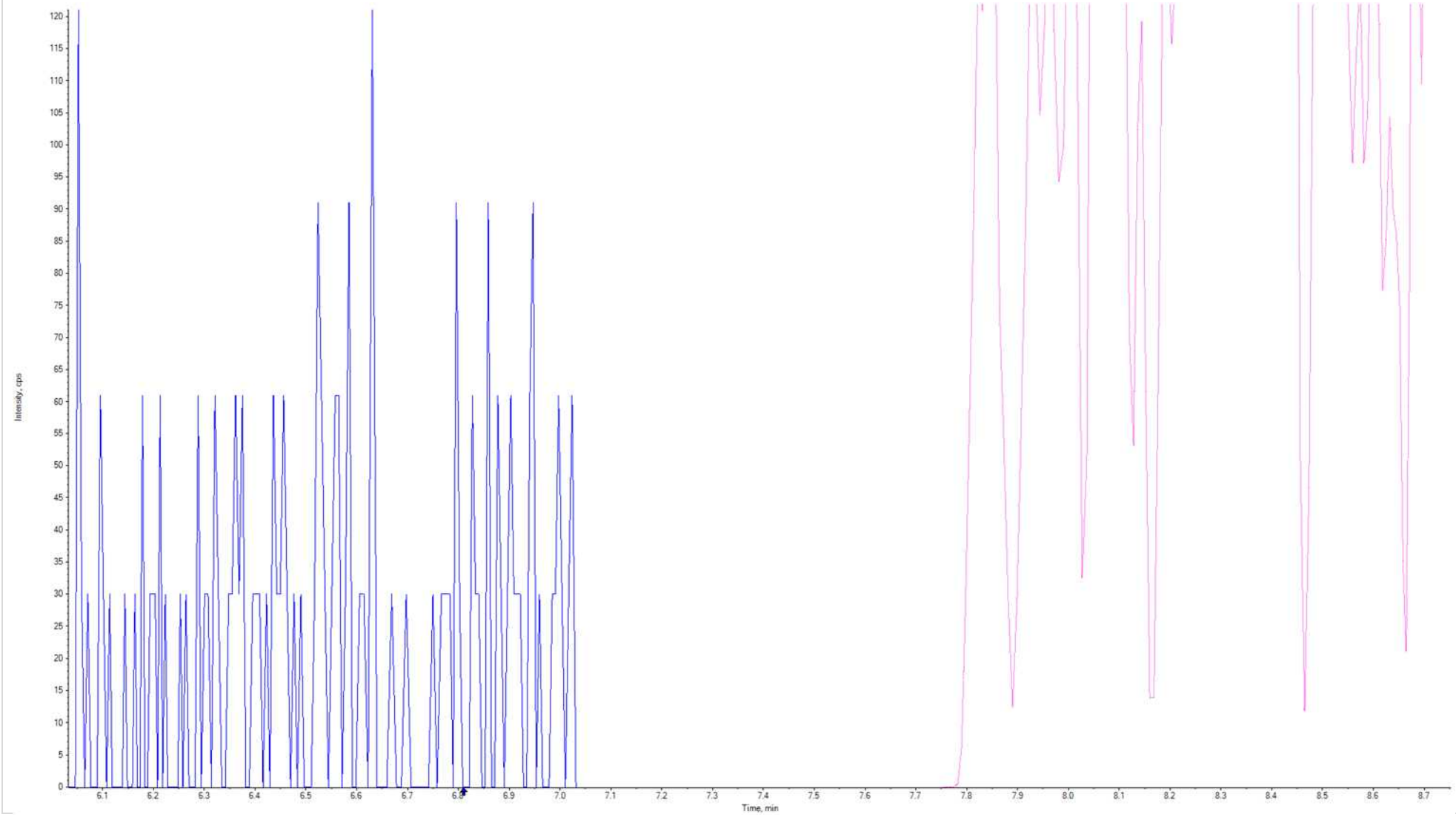
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



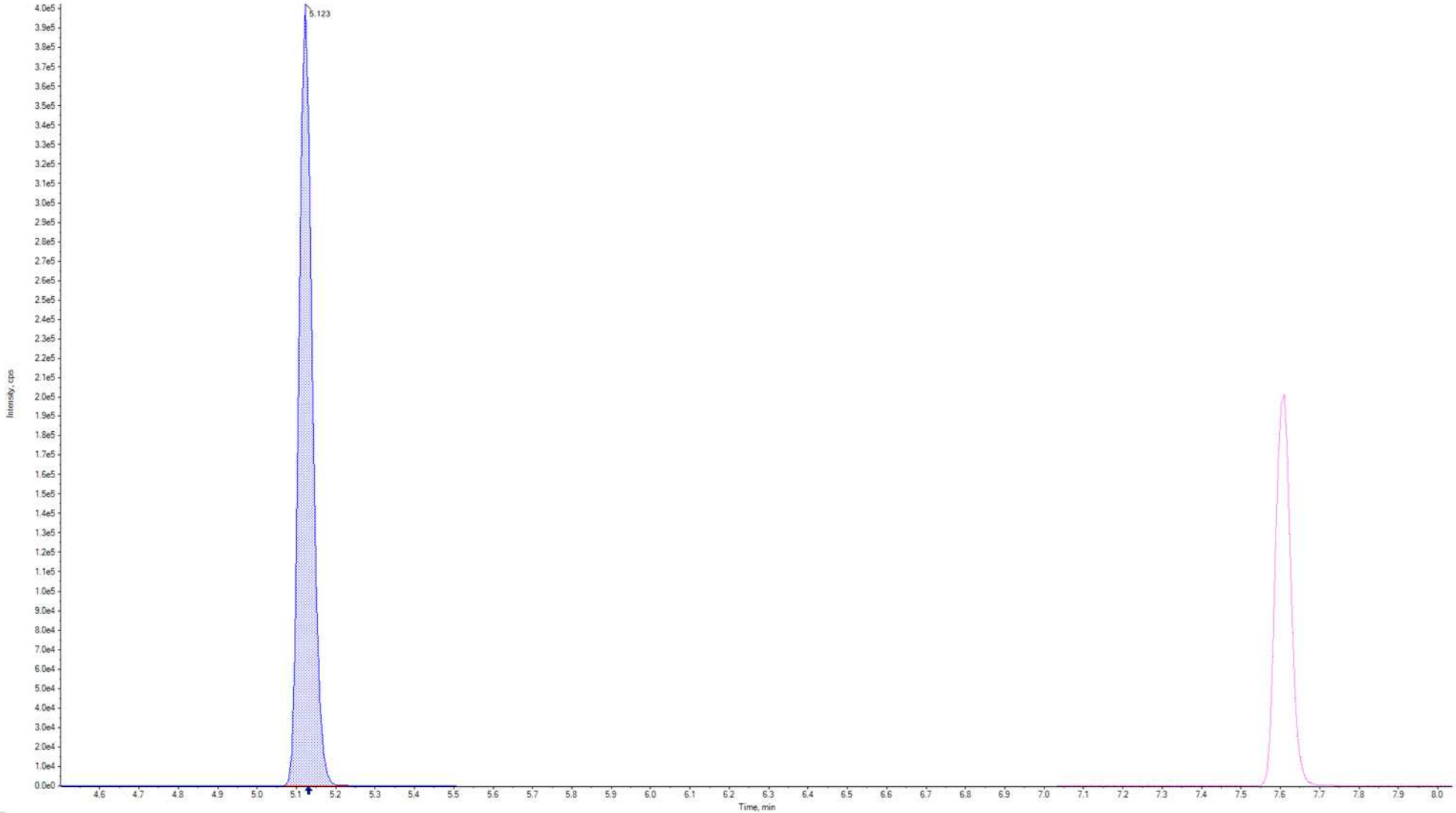
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



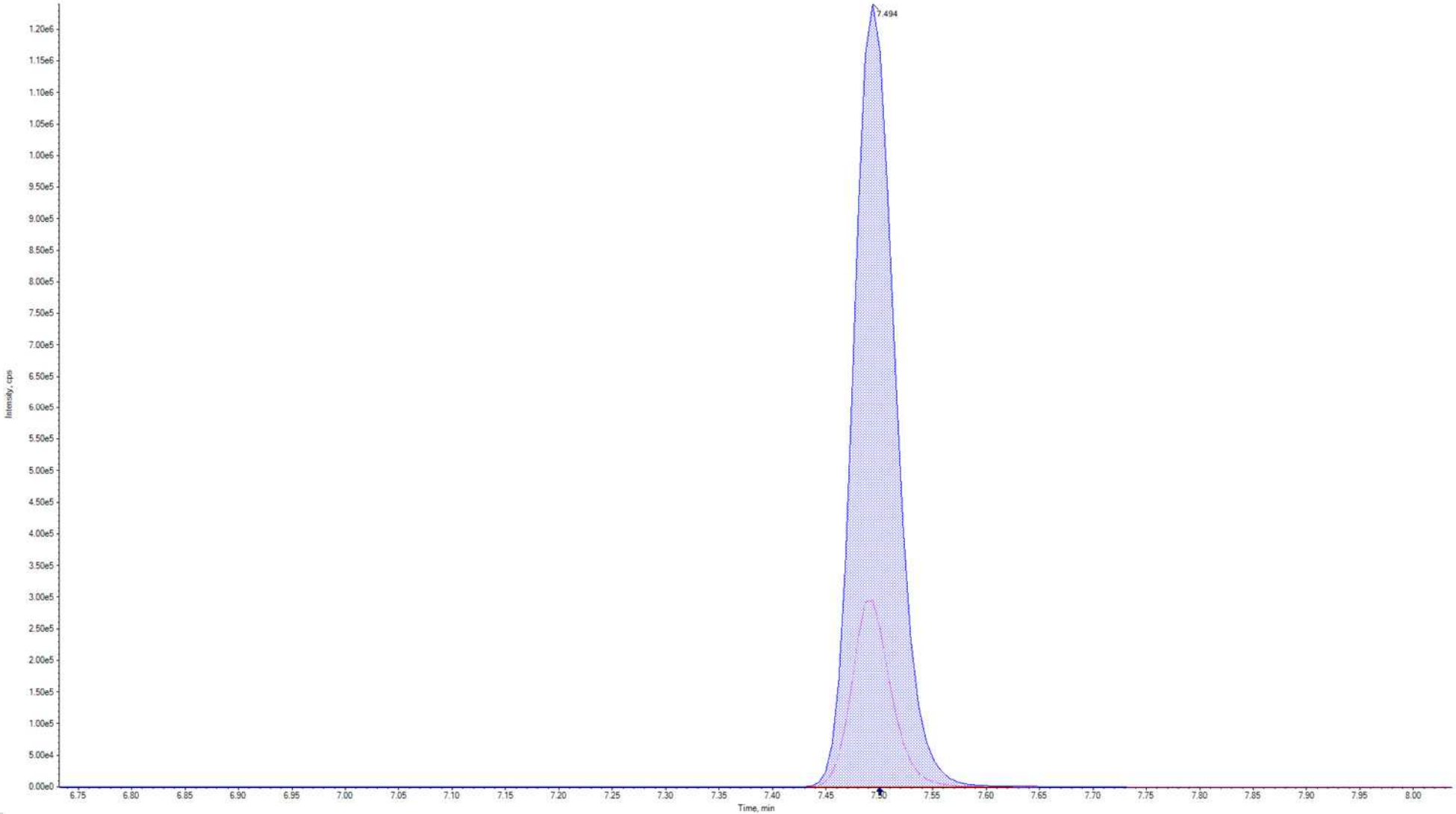
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-.2 S/N:20779.3 Points Across peak:28

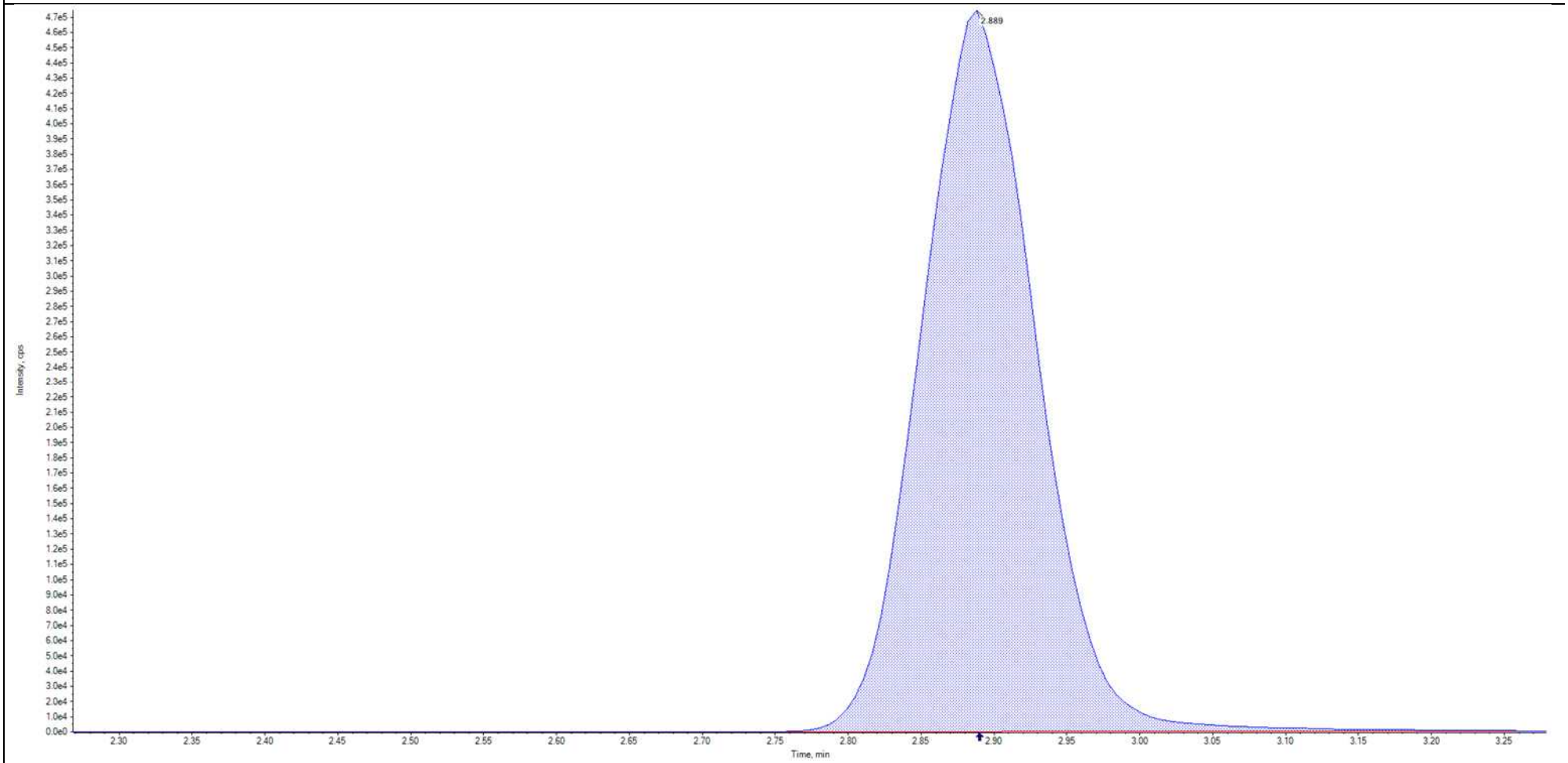


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

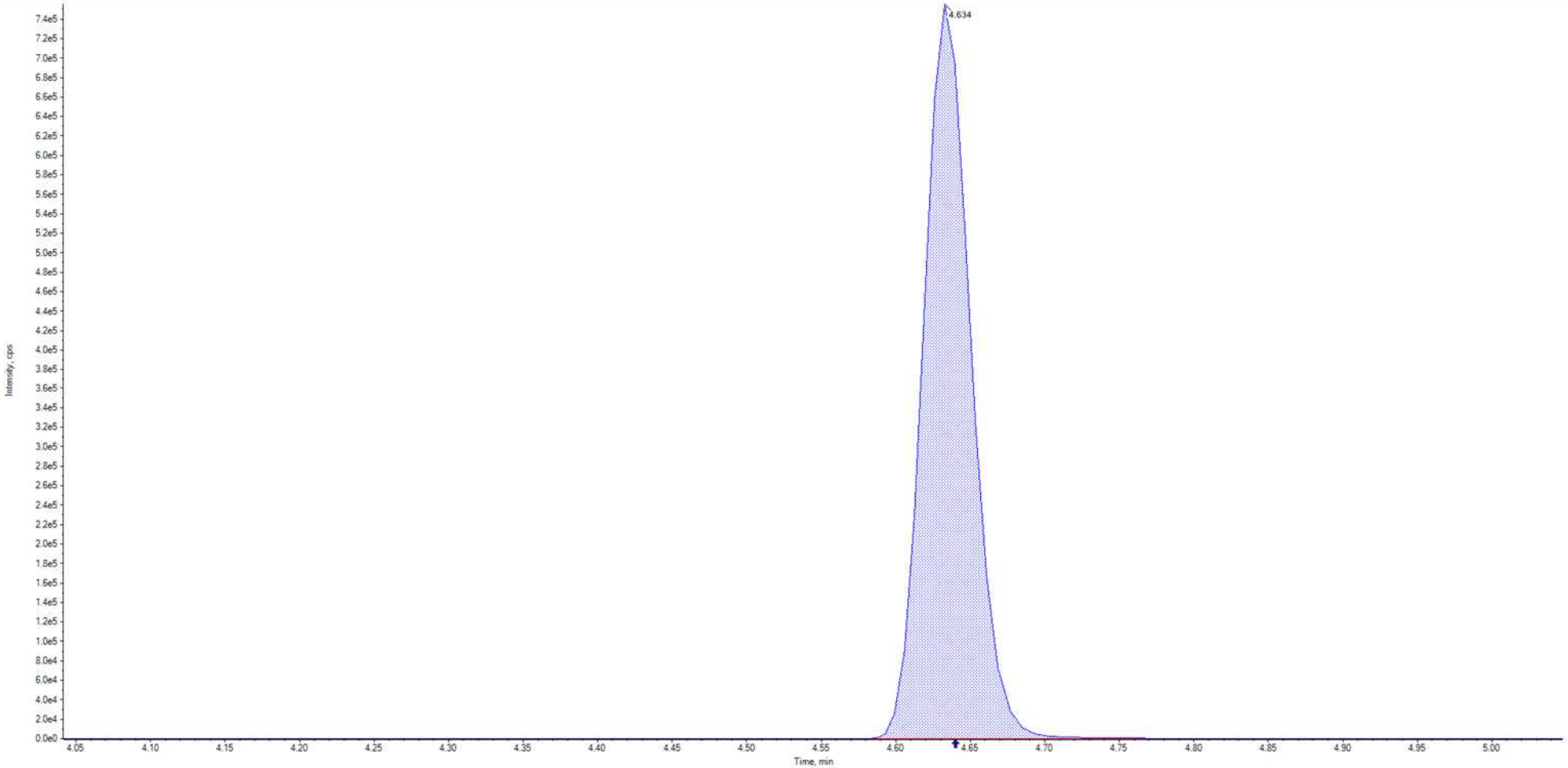
13C2-PFOA
Sample: IA1633STD-.2 S/N:108677677.1 Points Across peak:32



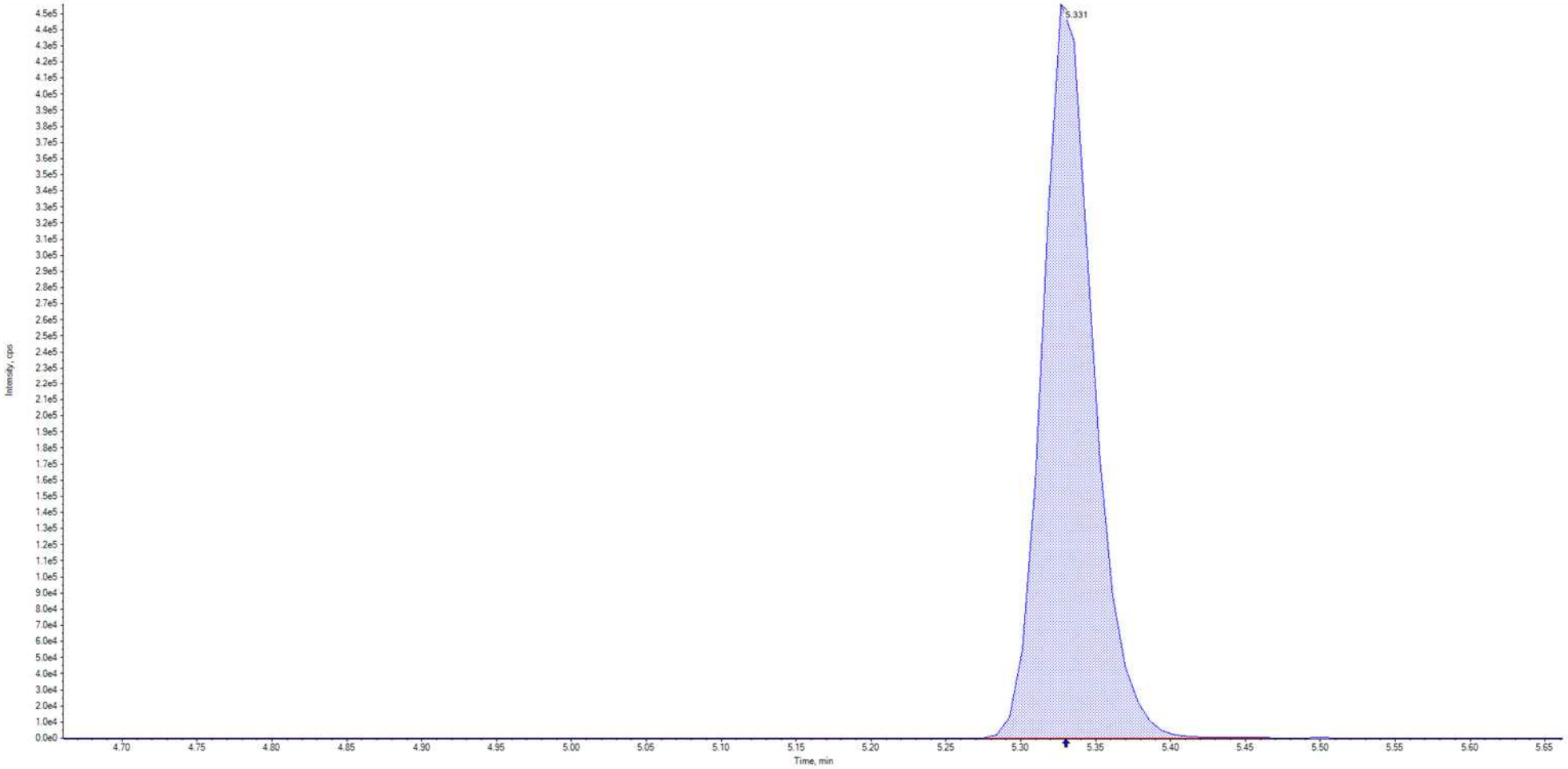
13C4-PFBA
Sample: IA1633STD-.2



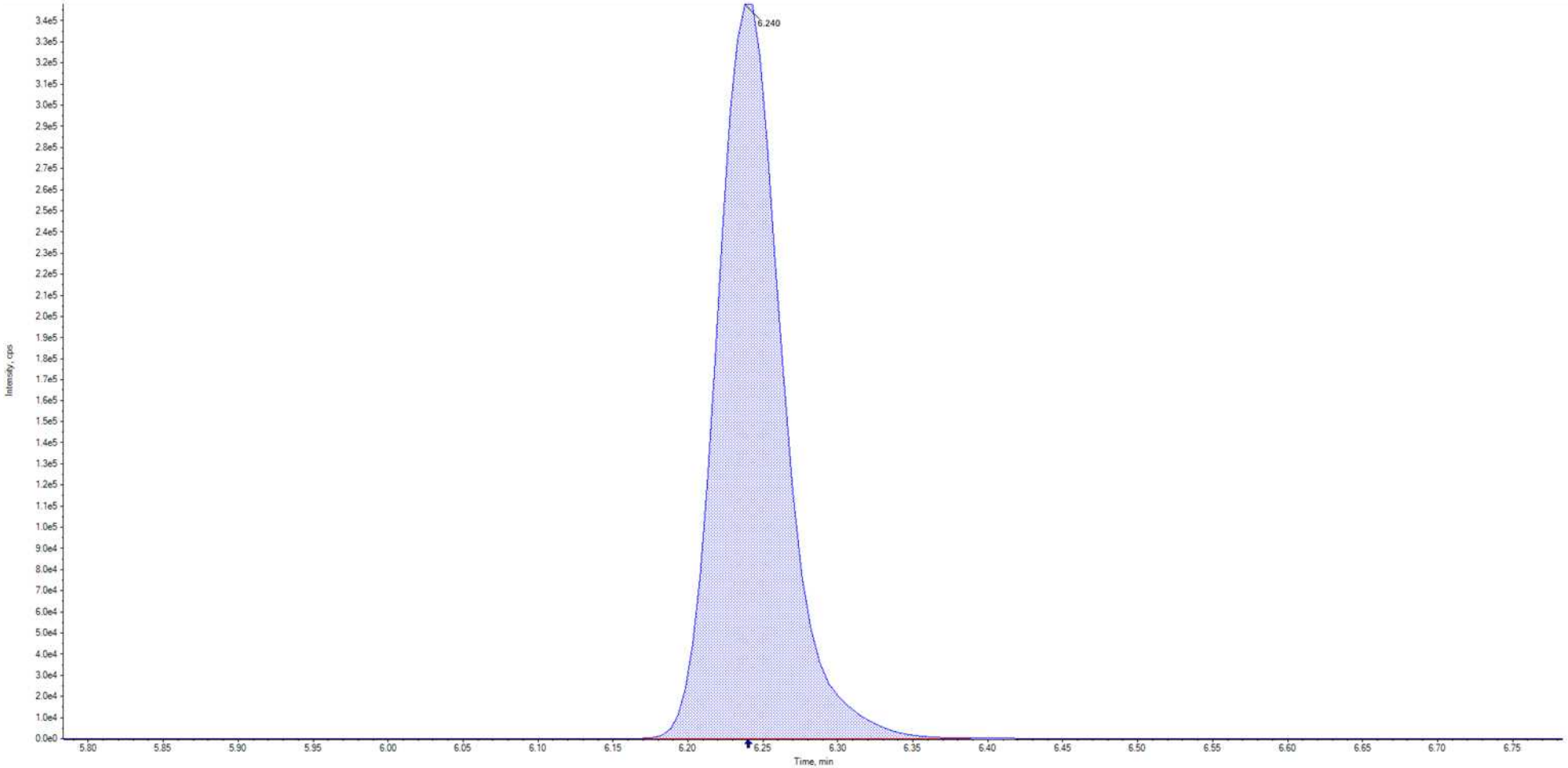
13C5-PFPeA
Sample: IA1633STD-.2



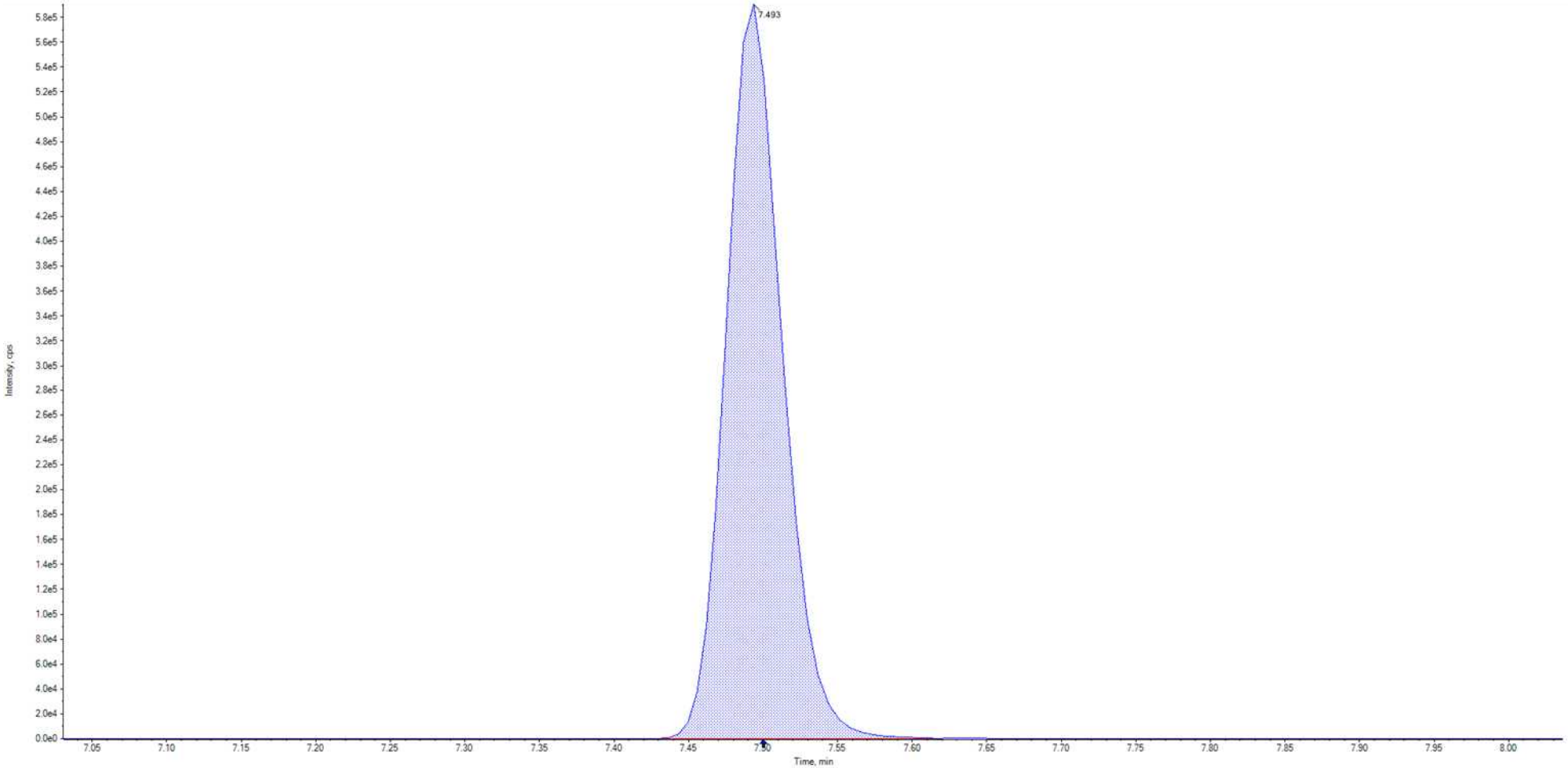
13C5-PFHxA
Sample: IA1633STD-.2



13C4-PFHpA
Sample: IA1633STD-.2



13C8-PFOA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
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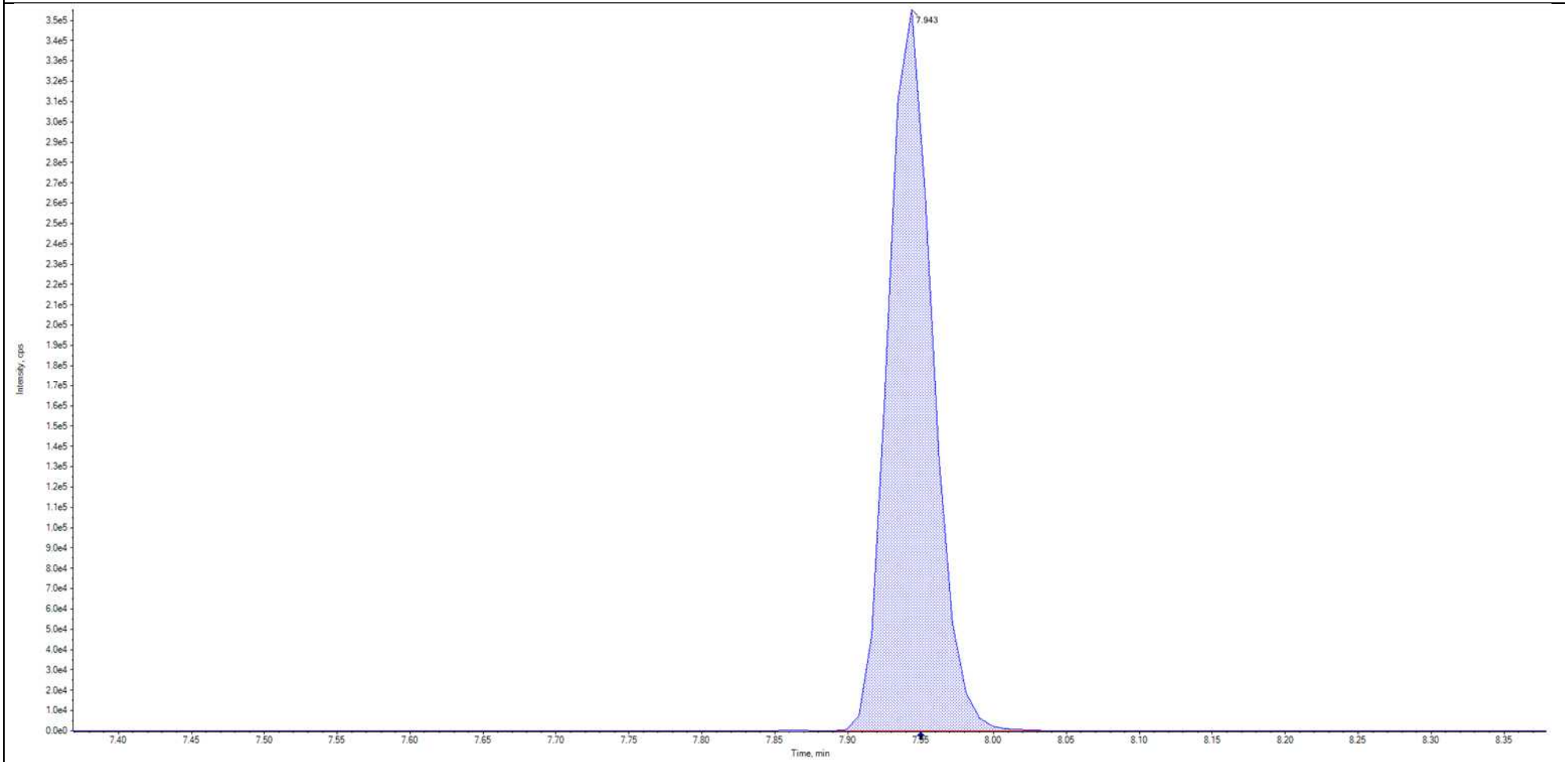
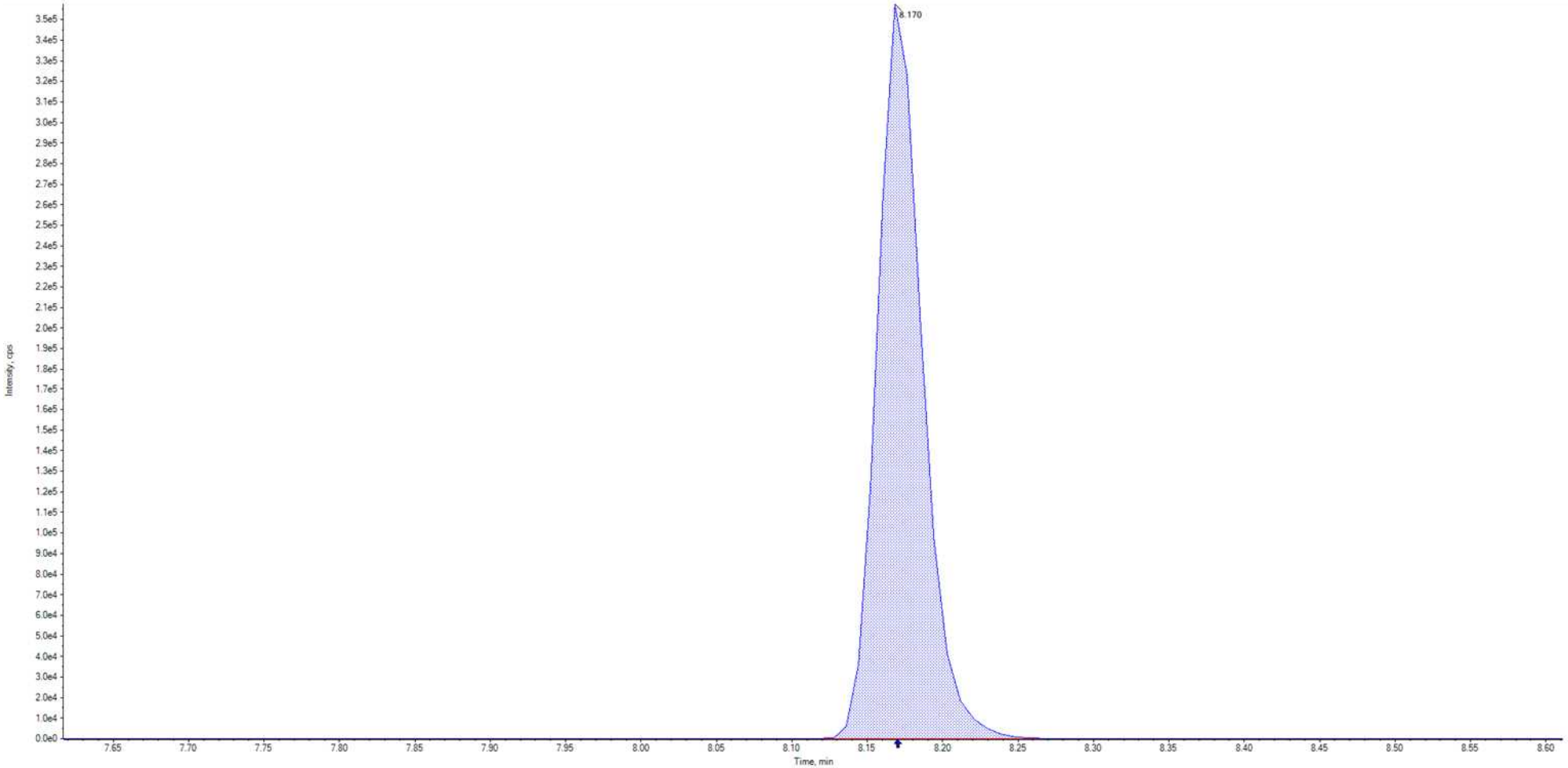
Generated: 8/14/2024 6:27:11 AM

13C9-PFNA
Sample: IA1633STD-.2



13C6-PFDA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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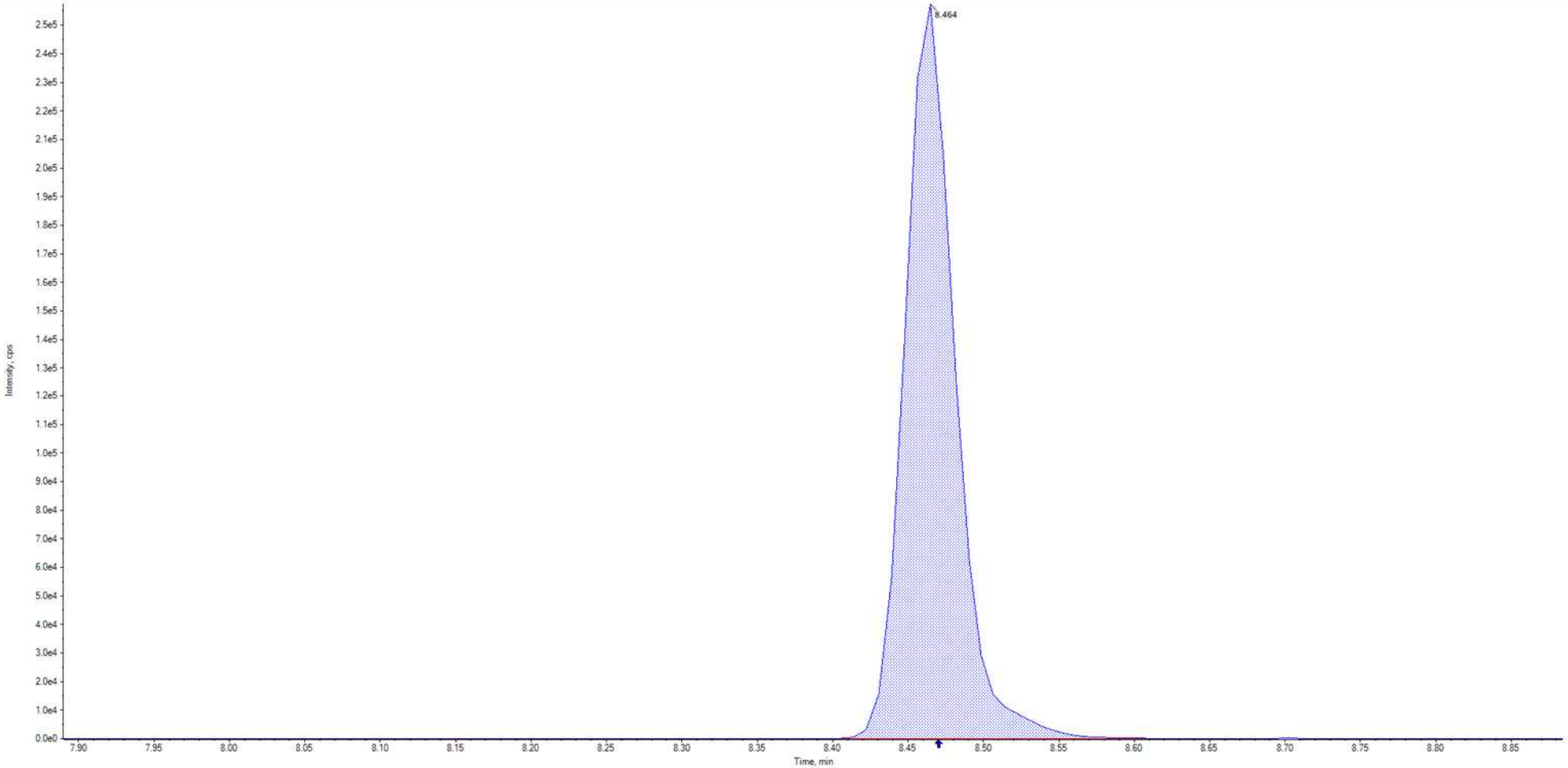
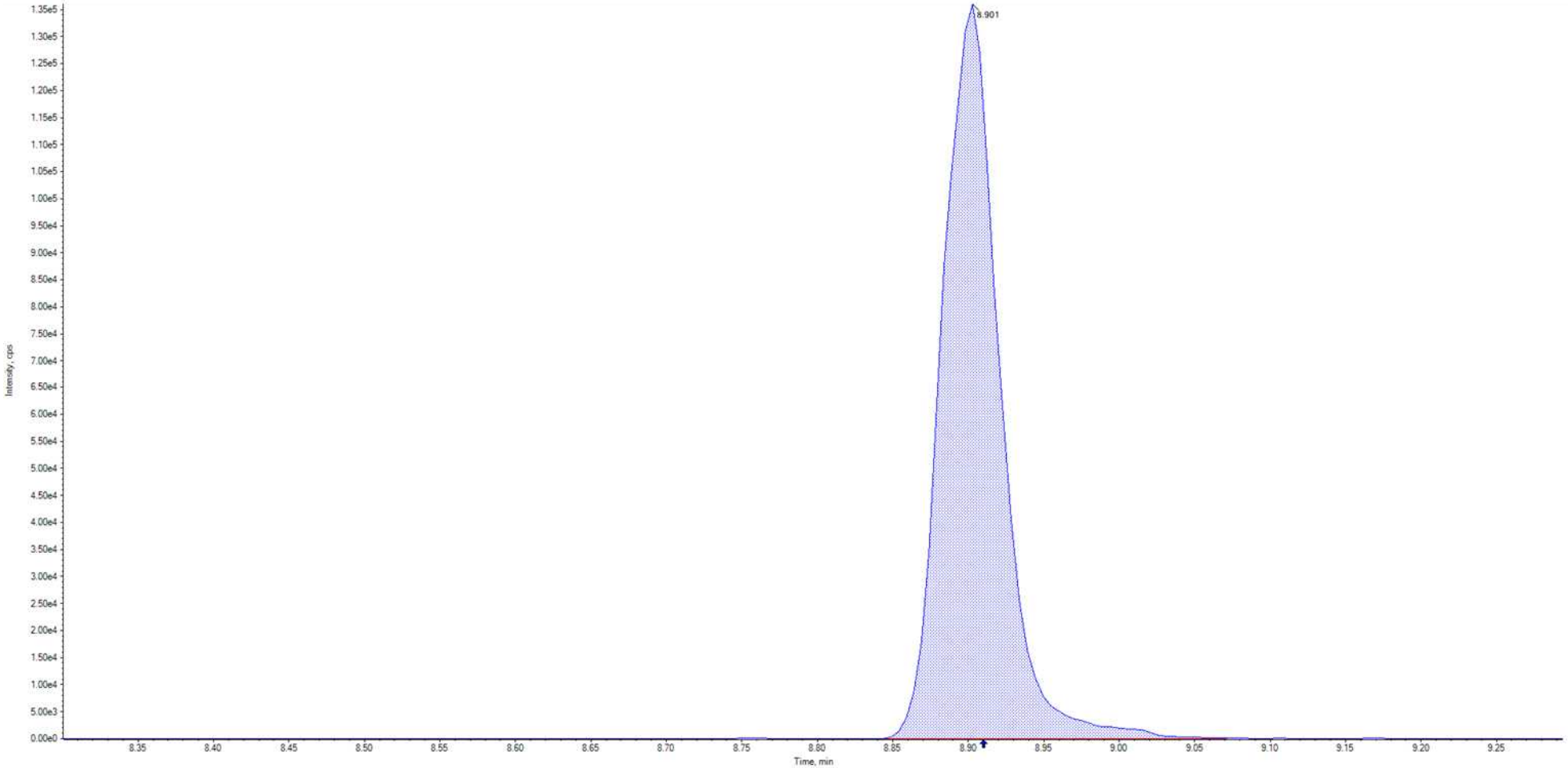
Generated: 8/14/2024 6:27:11 AM

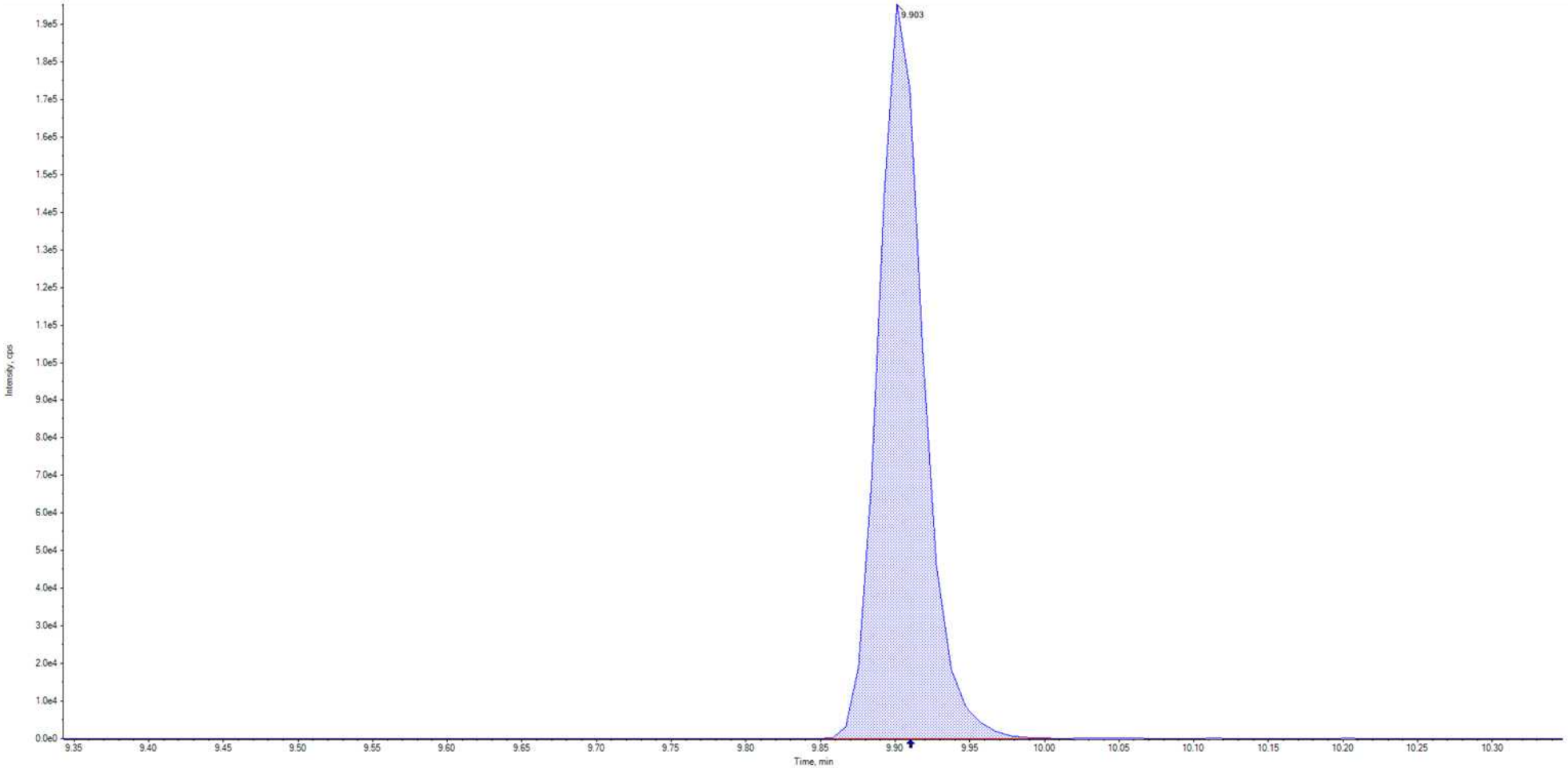
13C7-PFUnA
Sample: IA1633STD-.2



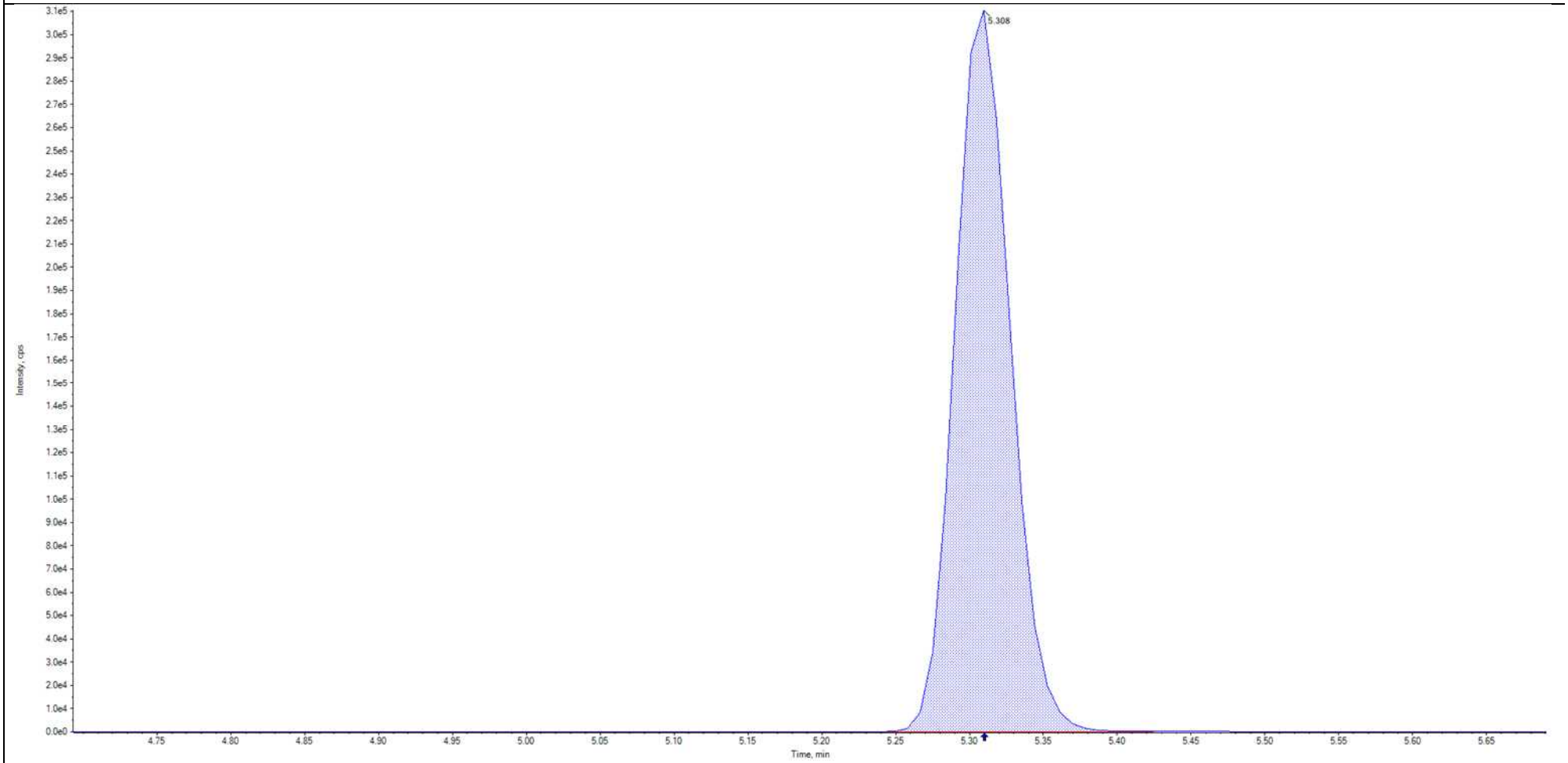
13C2-PFDoA
Sample: IA1633STD-.2



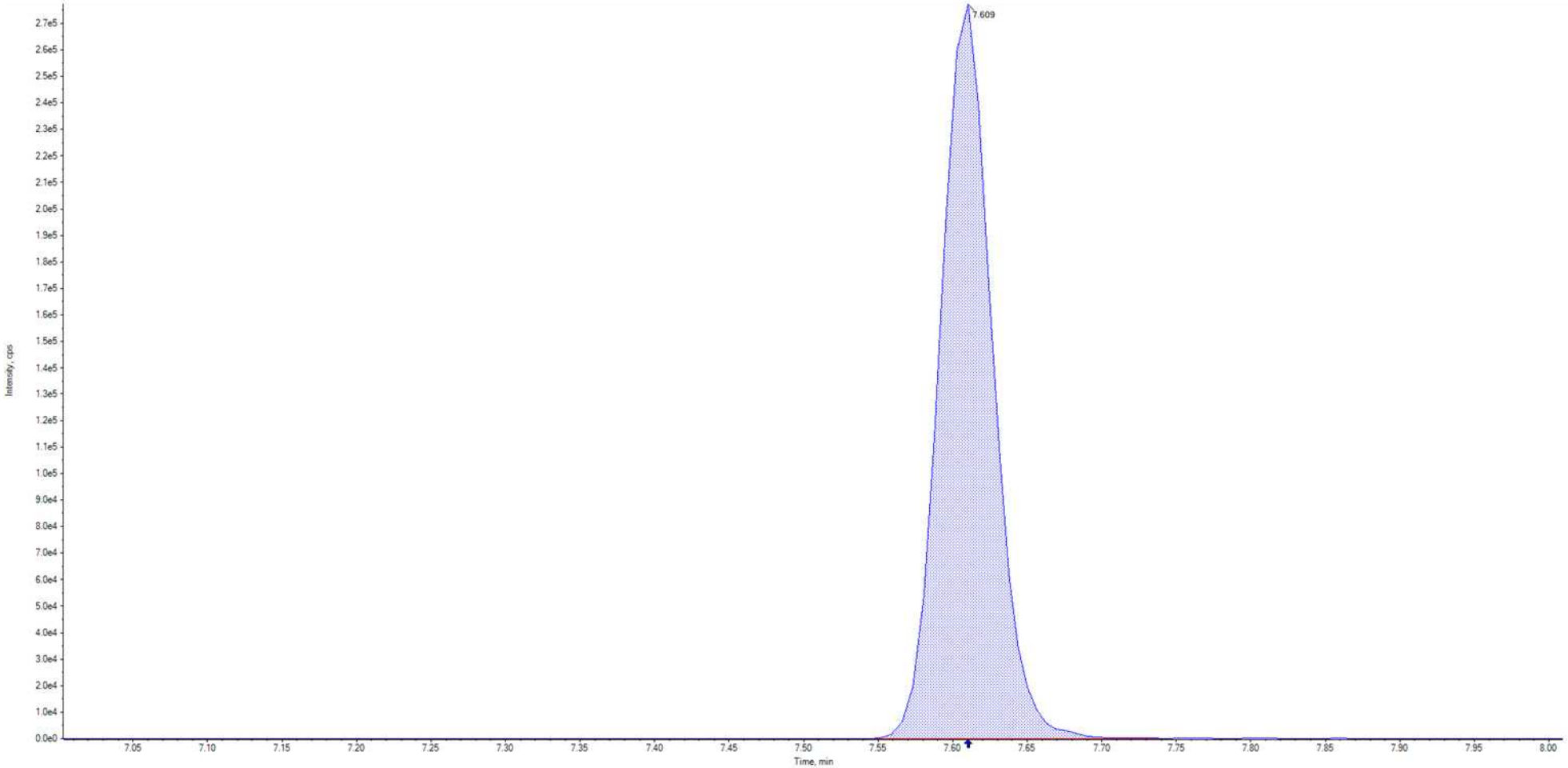
13C2-PFTeDA
Sample: IA1633STD-.2



13C3-PFBS
Sample: IA1633STD-.2



13C3-PFHxS
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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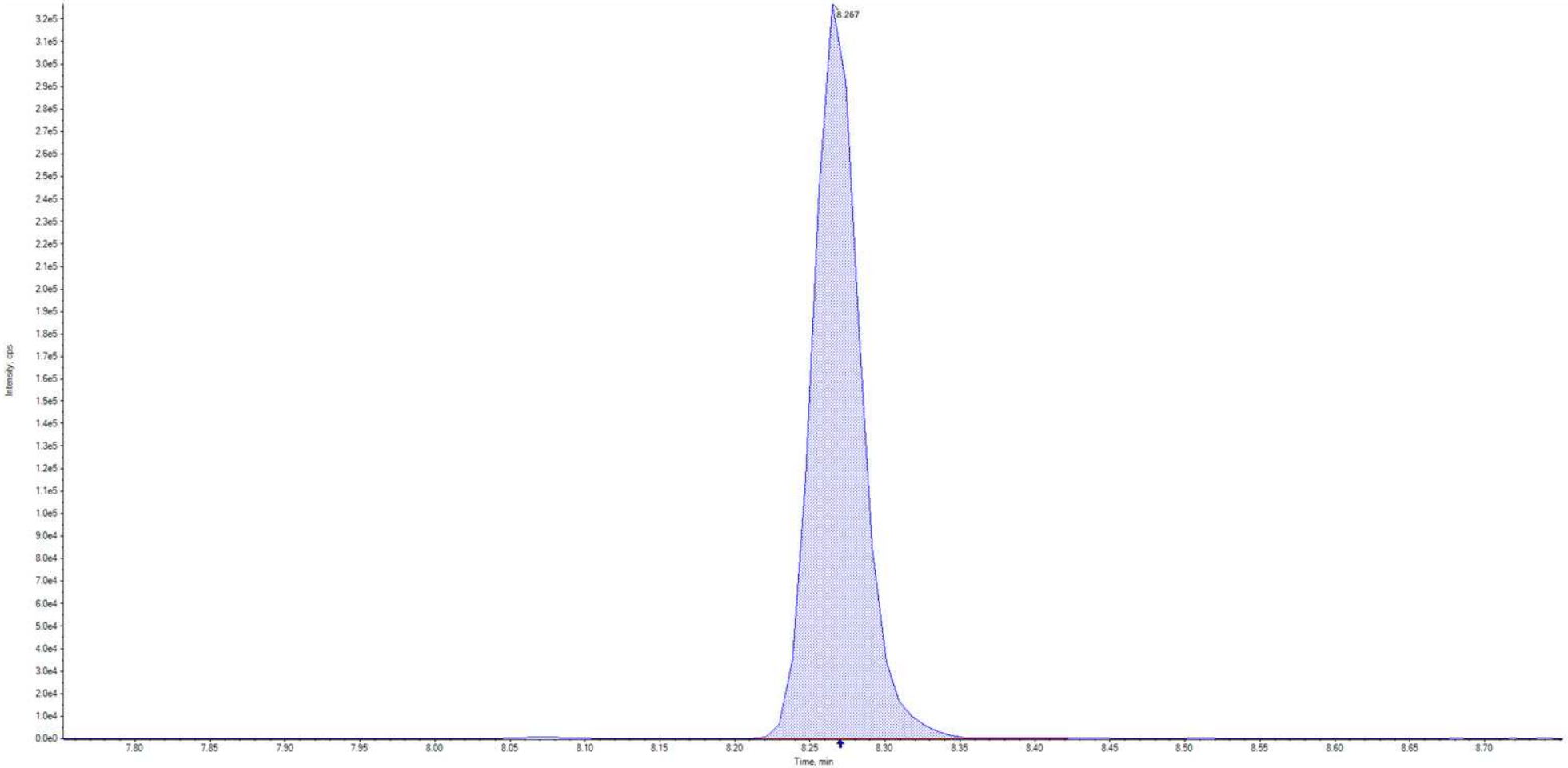
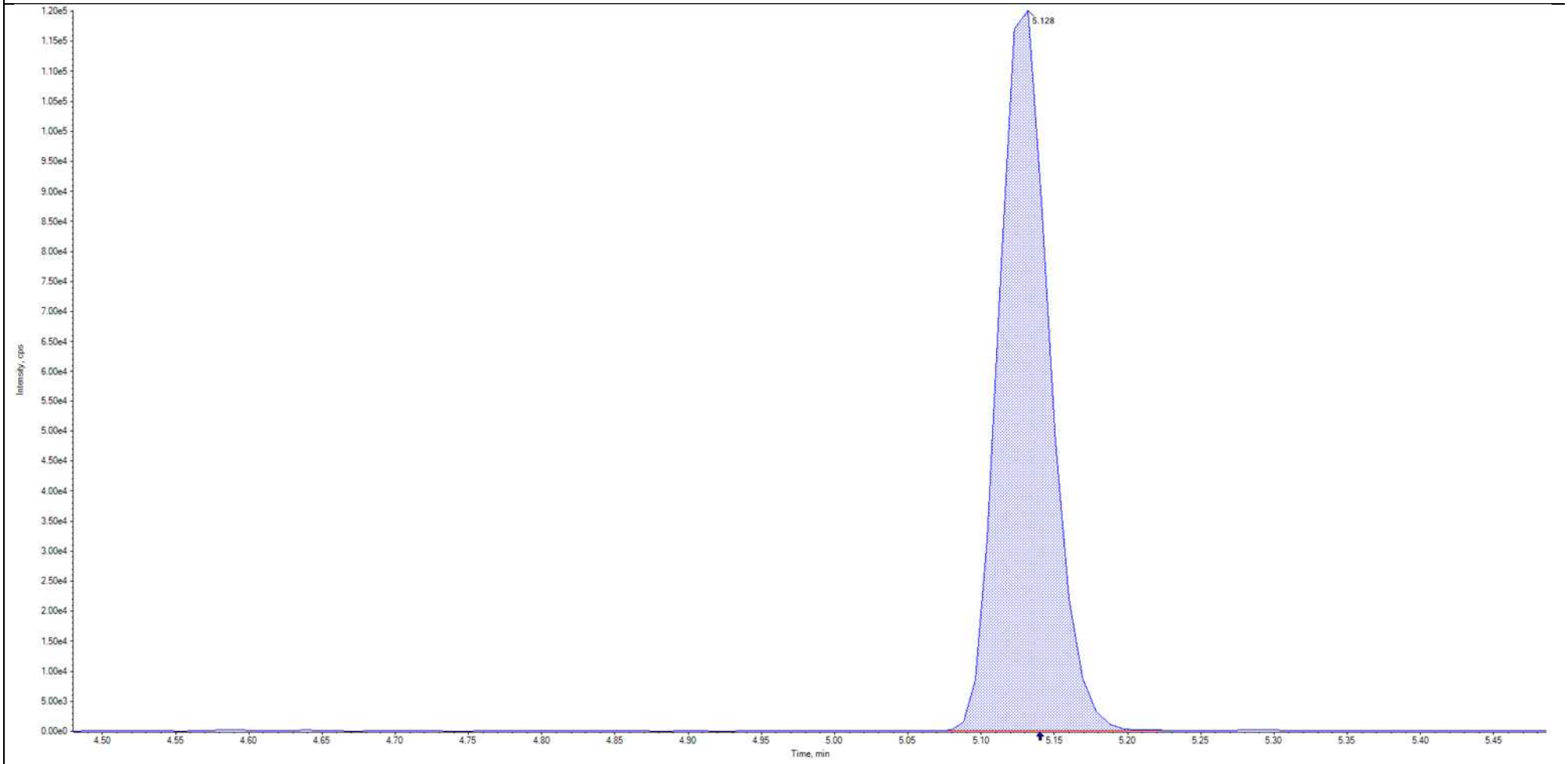
Generated: 8/14/2024 6:27:11 AM

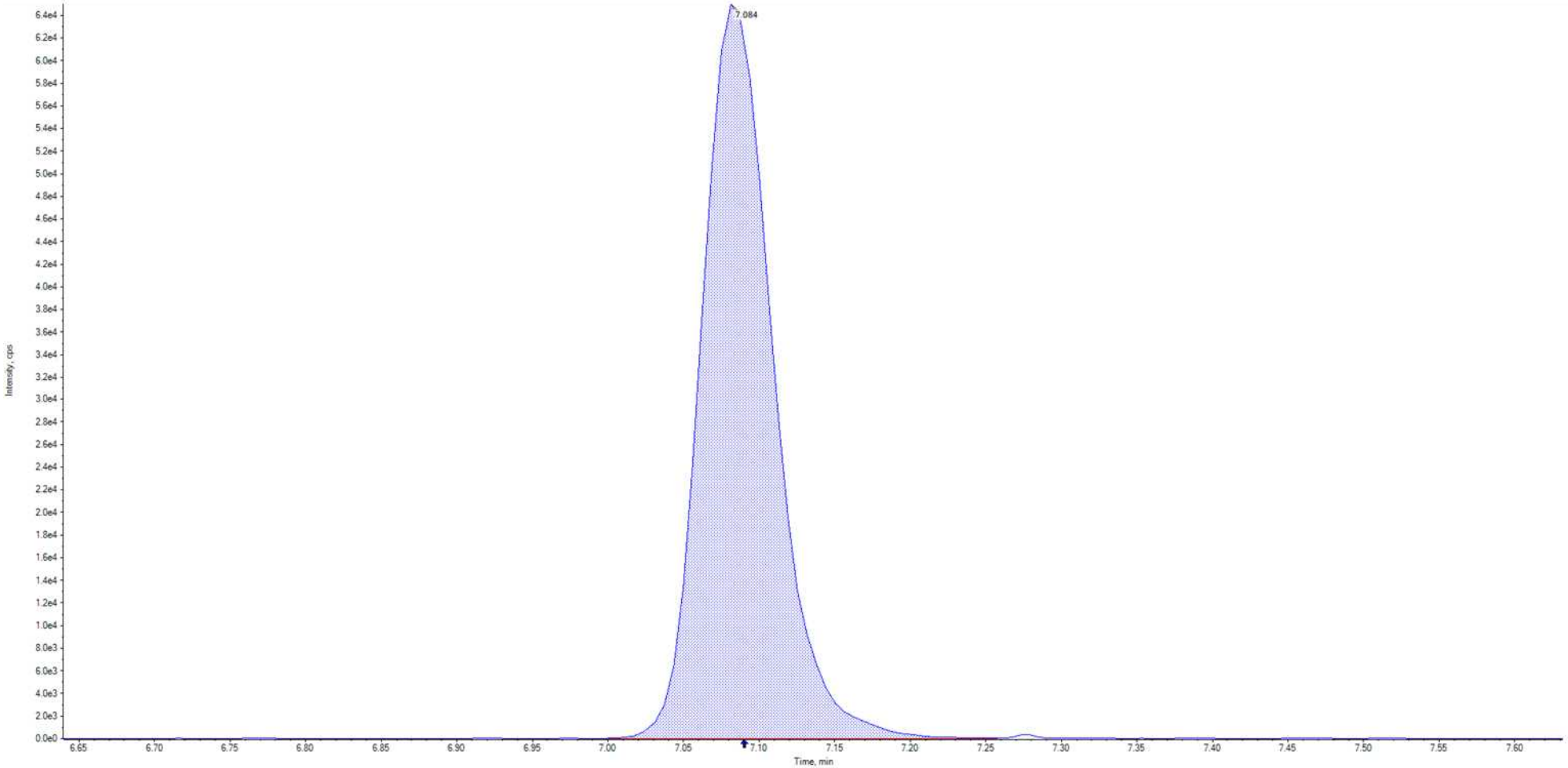
13C8-PFOS
Sample: IA1633STD-.2



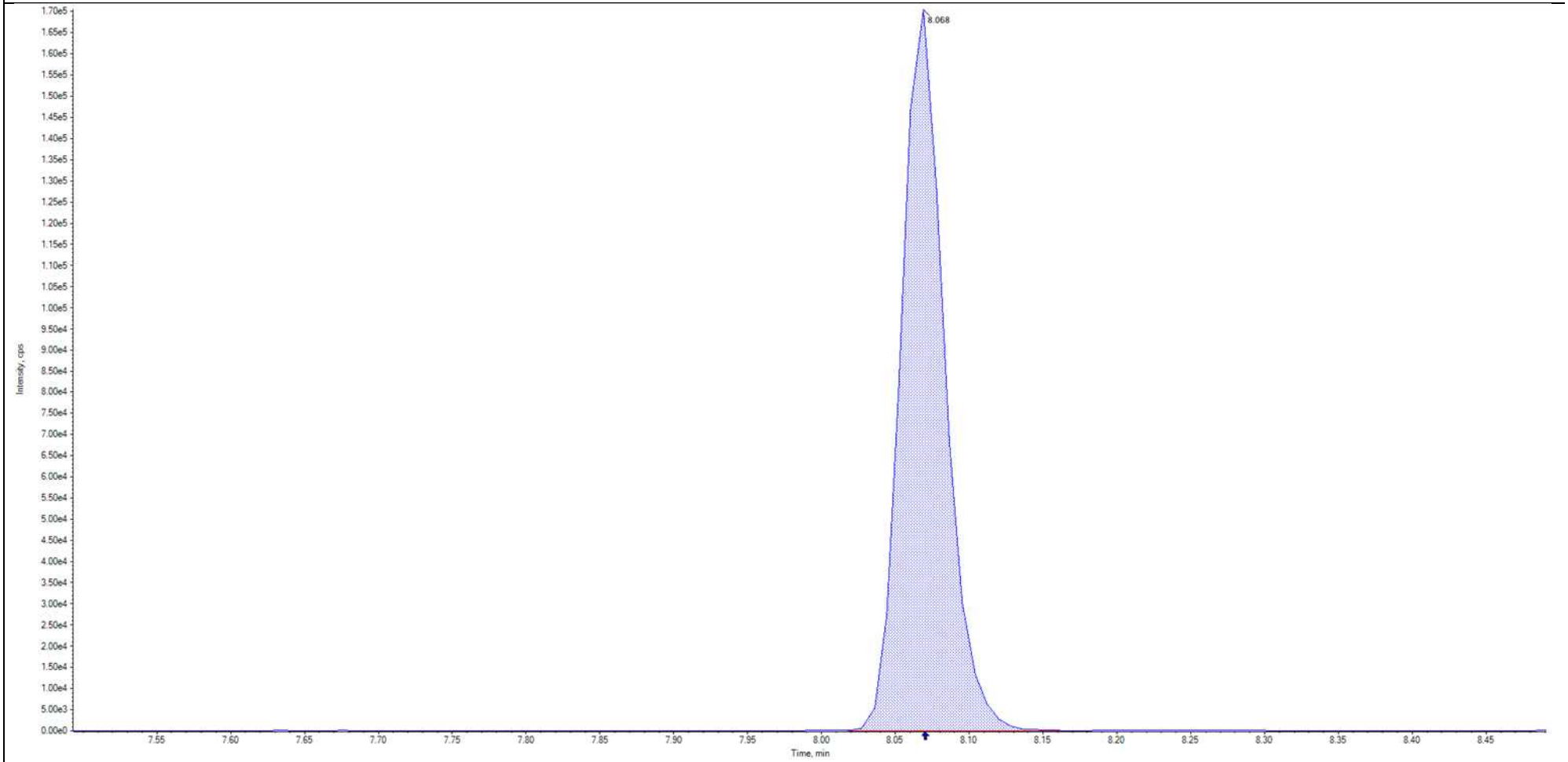
13C2-4:2FTS
Sample: IA1633STD-.2



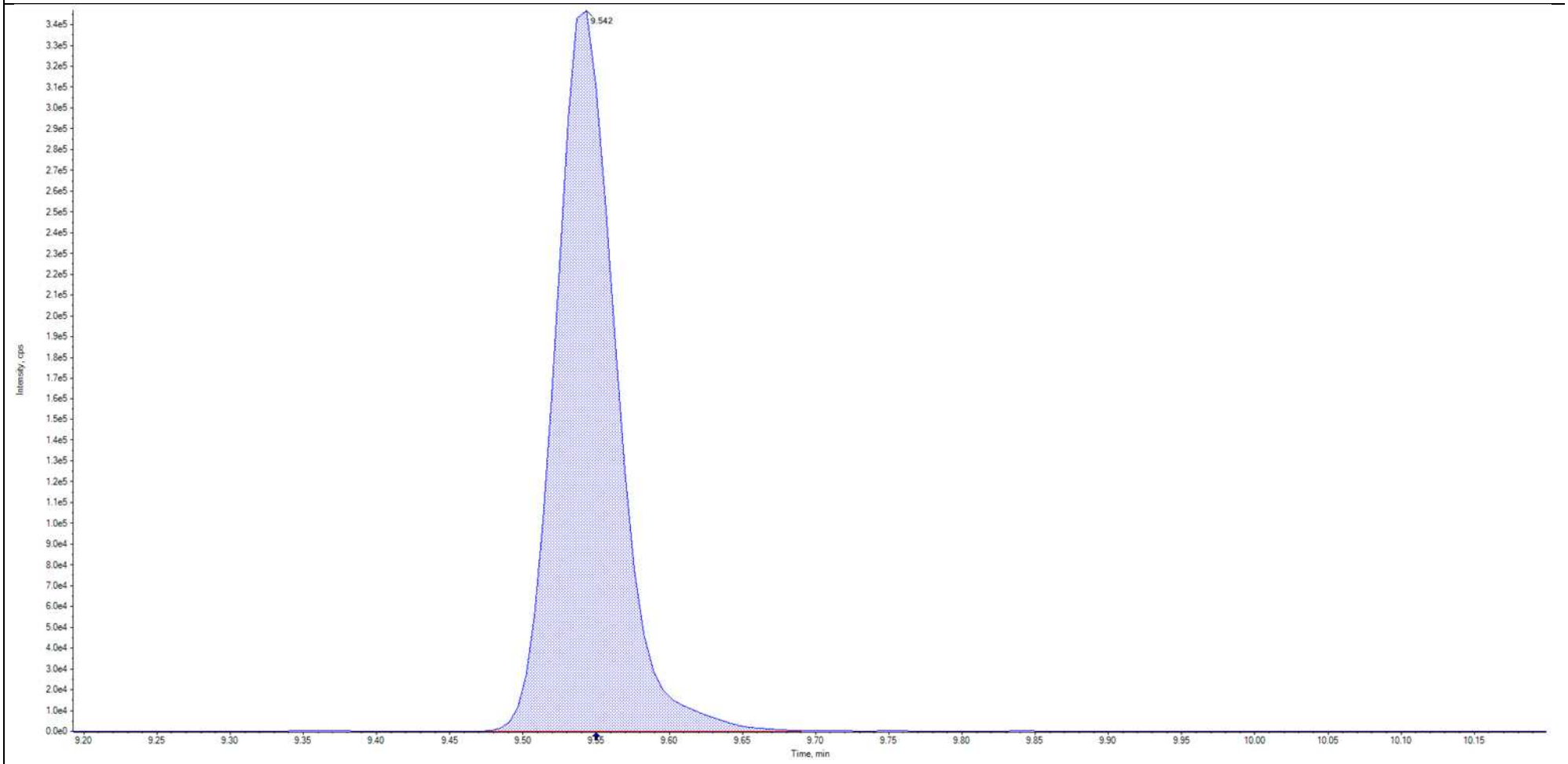
13C2-6:2FTS
Sample: IA1633STD-.2



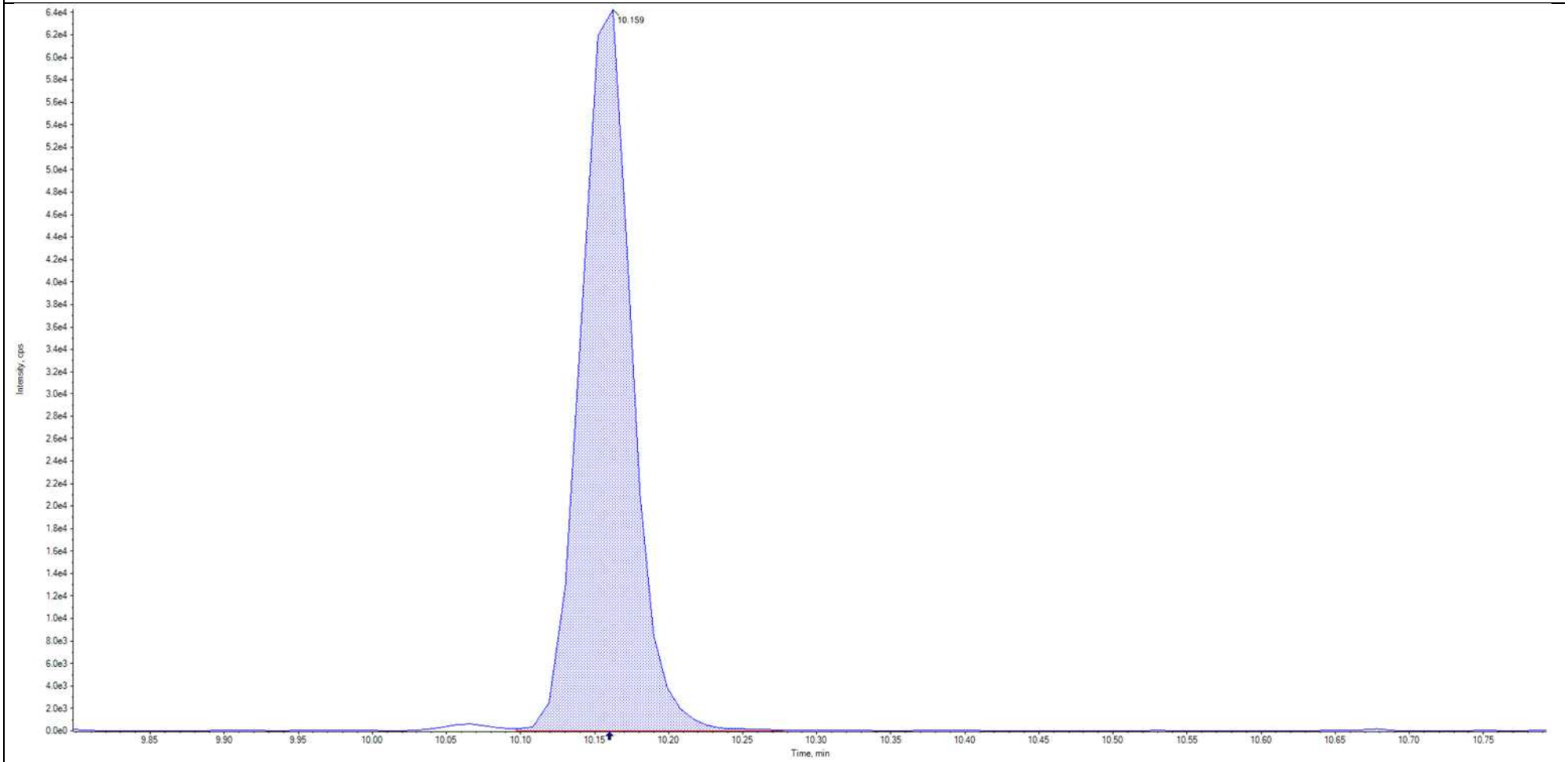
13C2-8:2FTS
Sample: IA1633STD-.2



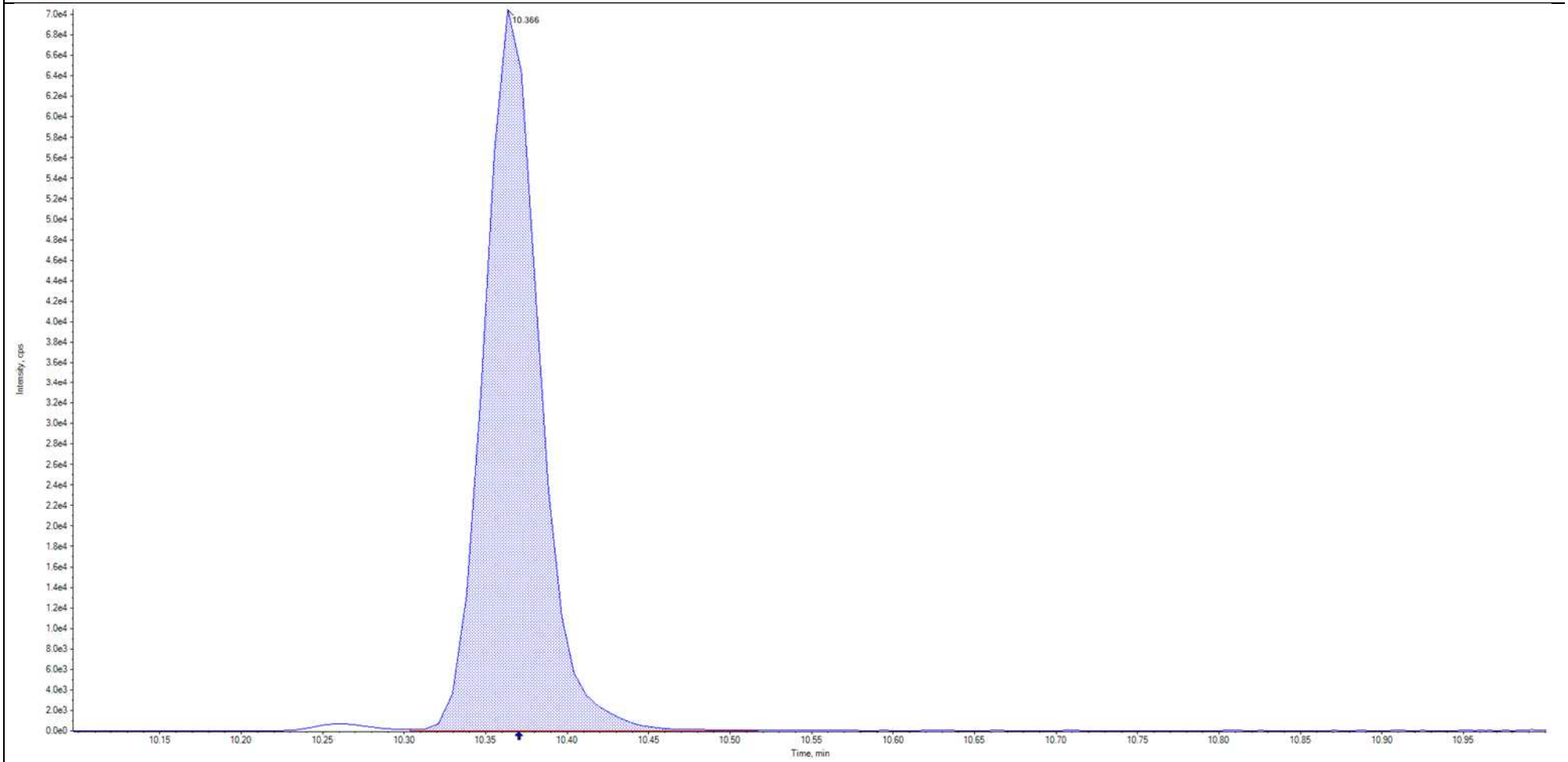
13C8-PFOSA
Sample: IA1633STD-.2



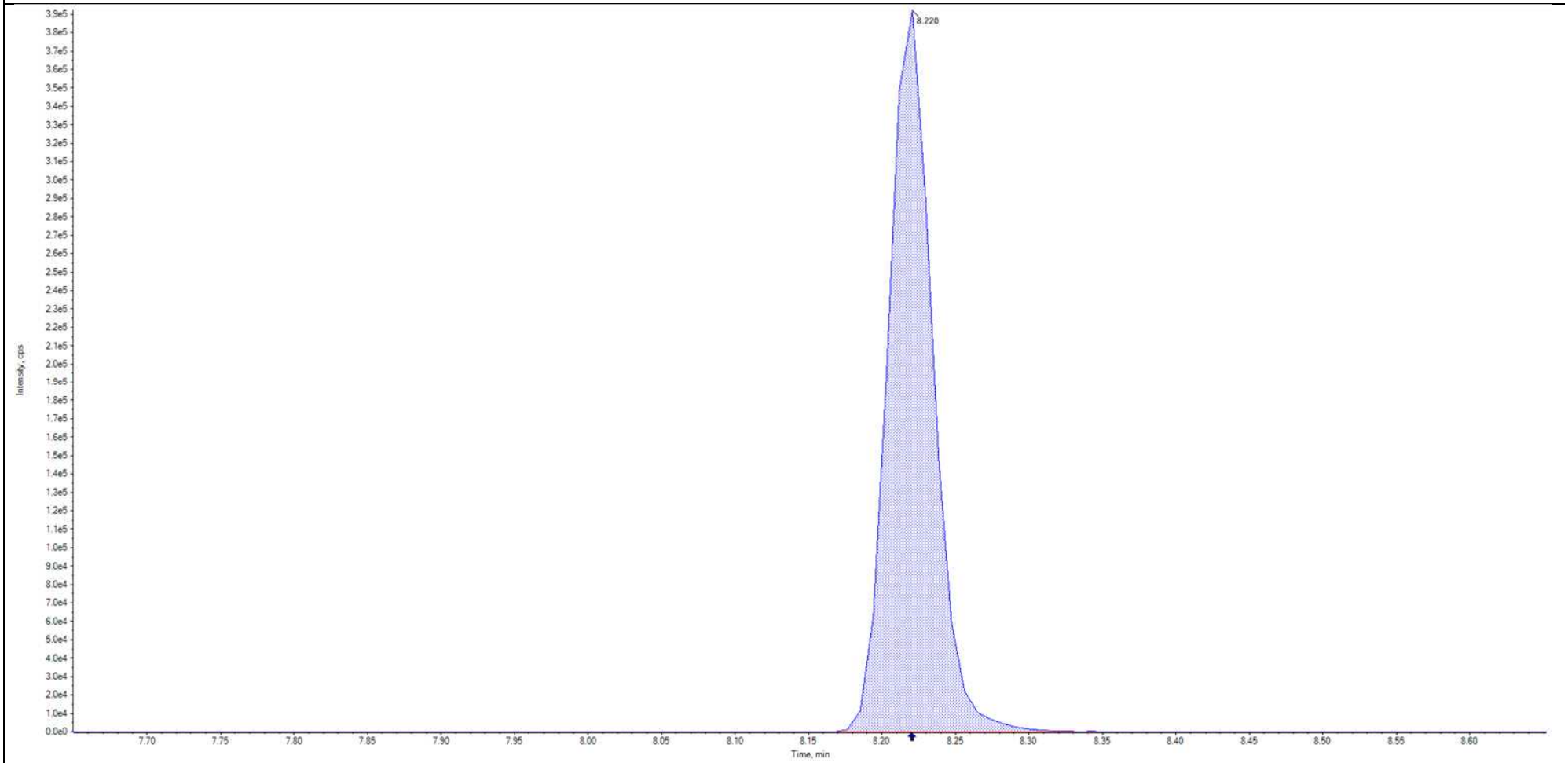
d3-NMeFOSA
Sample: IA1633STD-.2



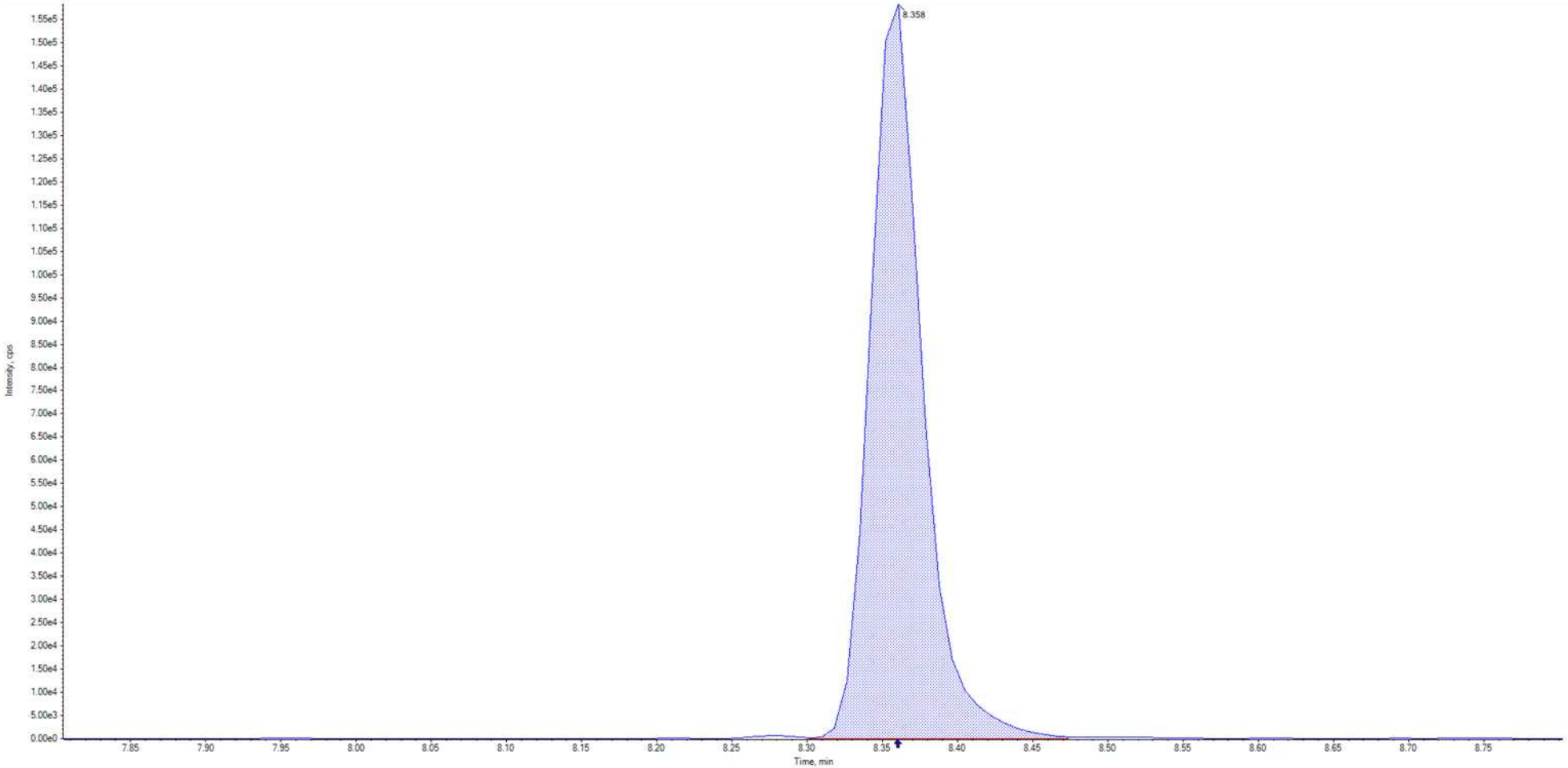
d5-NEtFOSA
Sample: IA1633STD-.2



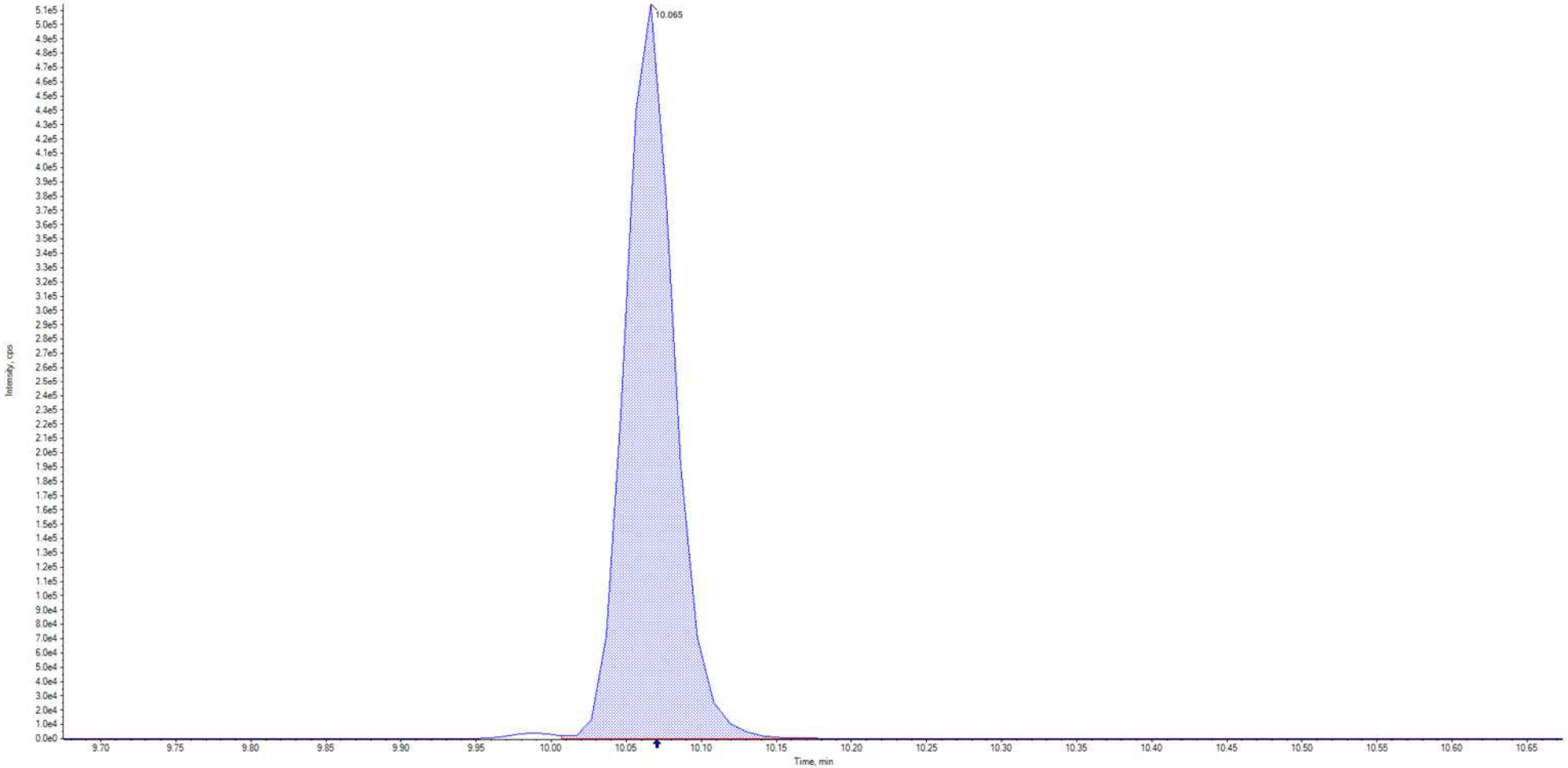
d3-NMeFOSAA
Sample: IA1633STD-.2



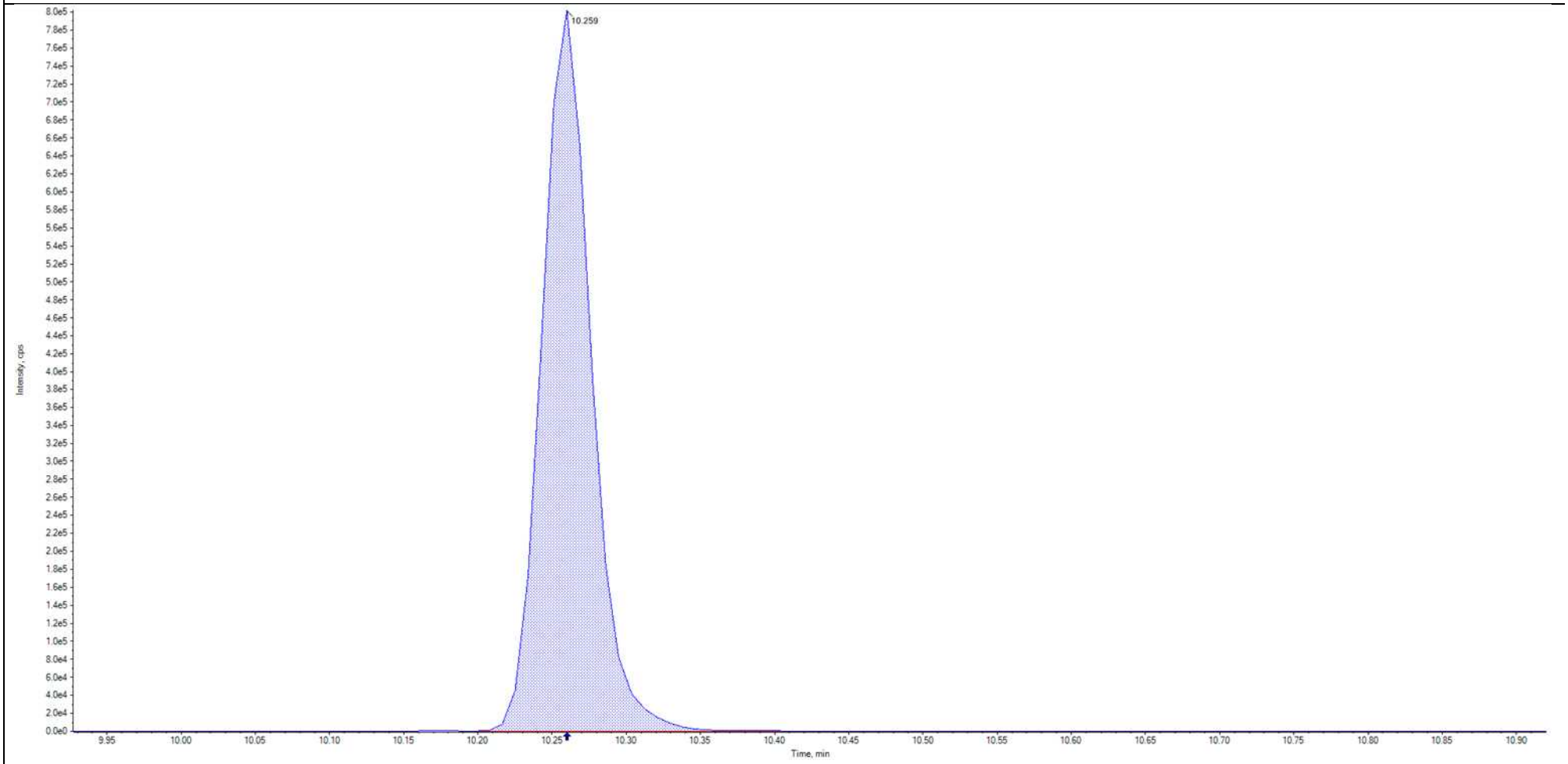
d5-NEtFOSAA
Sample: IA1633STD-.2



d7-NMeFOSE
Sample: IA1633STD-.2



d9-NEtFOSE
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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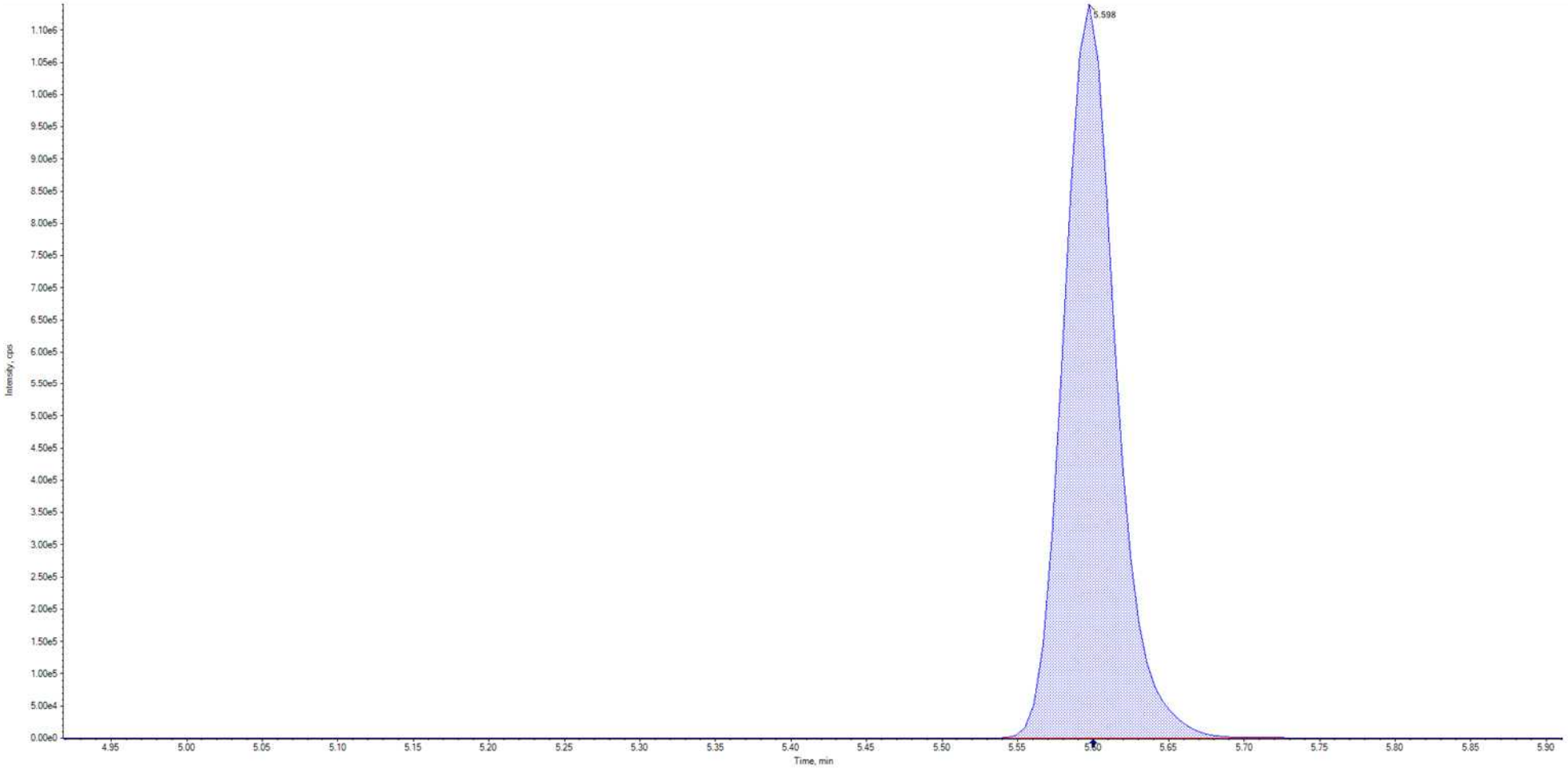
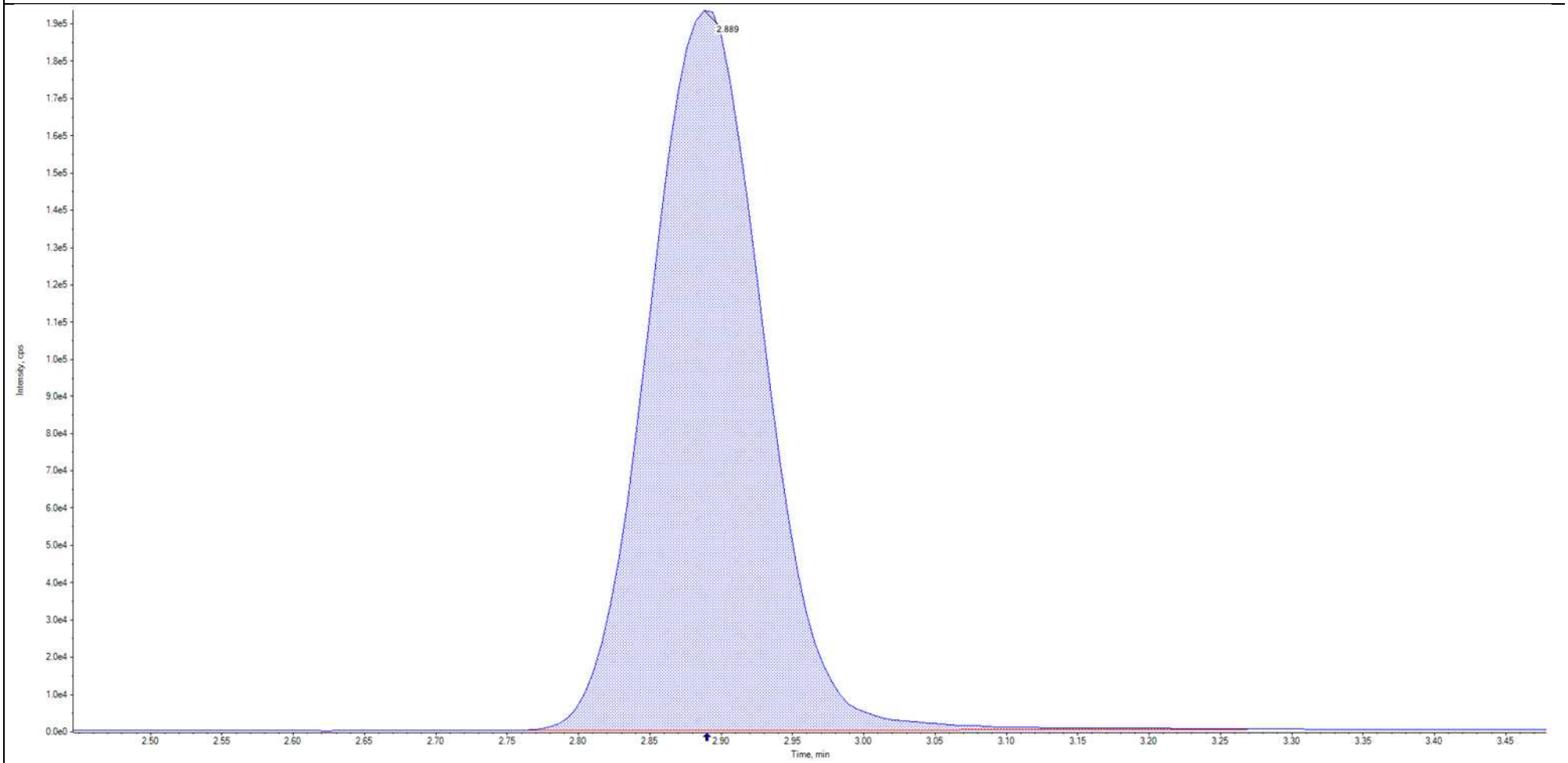
Generated: 8/14/2024 6:27:11 AM

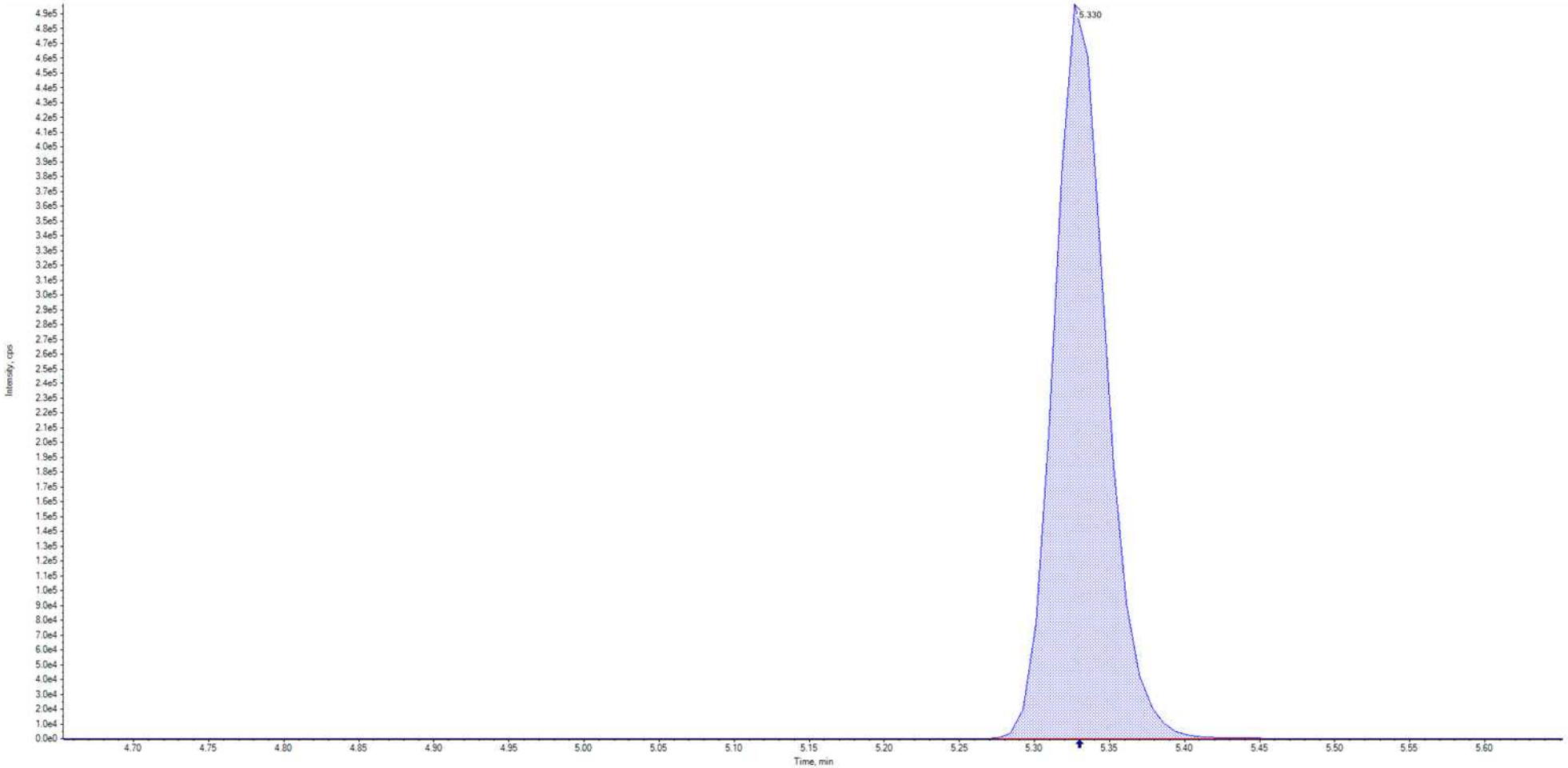
13C3-HFPO-DA
Sample: IA1633STD-.2



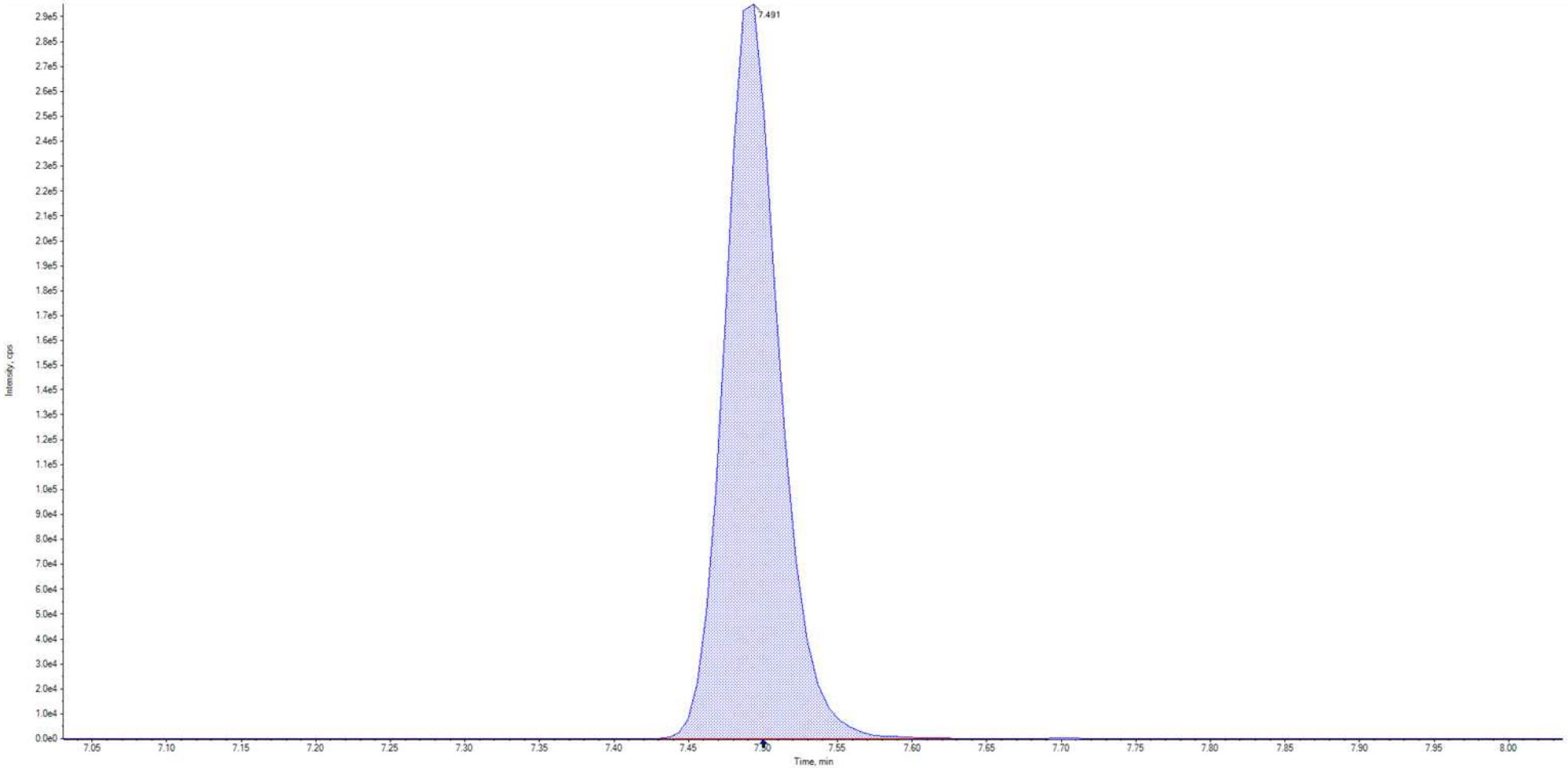
13C3-PFBA
Sample: IA1633STD-.2



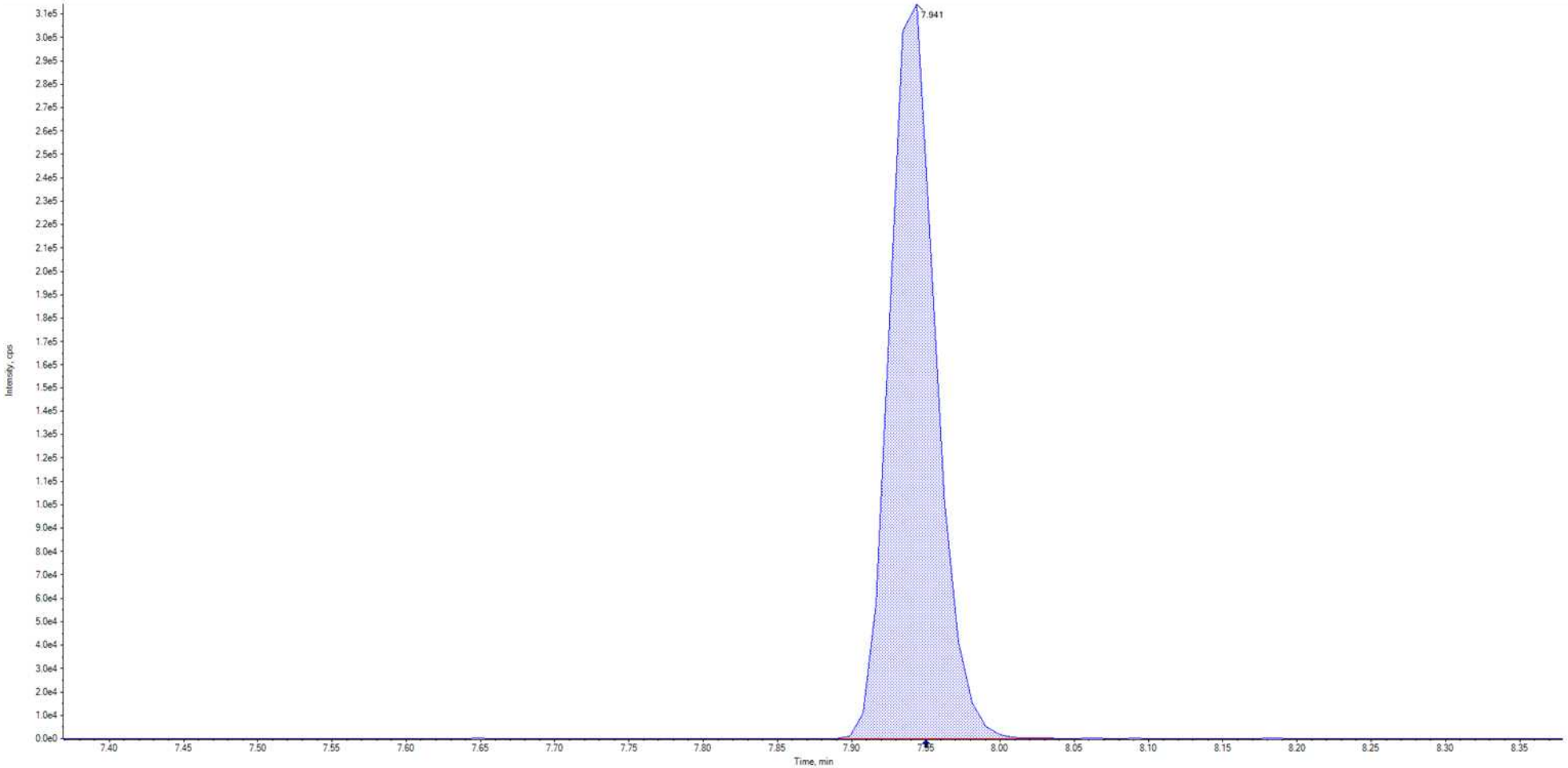
13C2-PFHxA
Sample: IA1633STD-.2



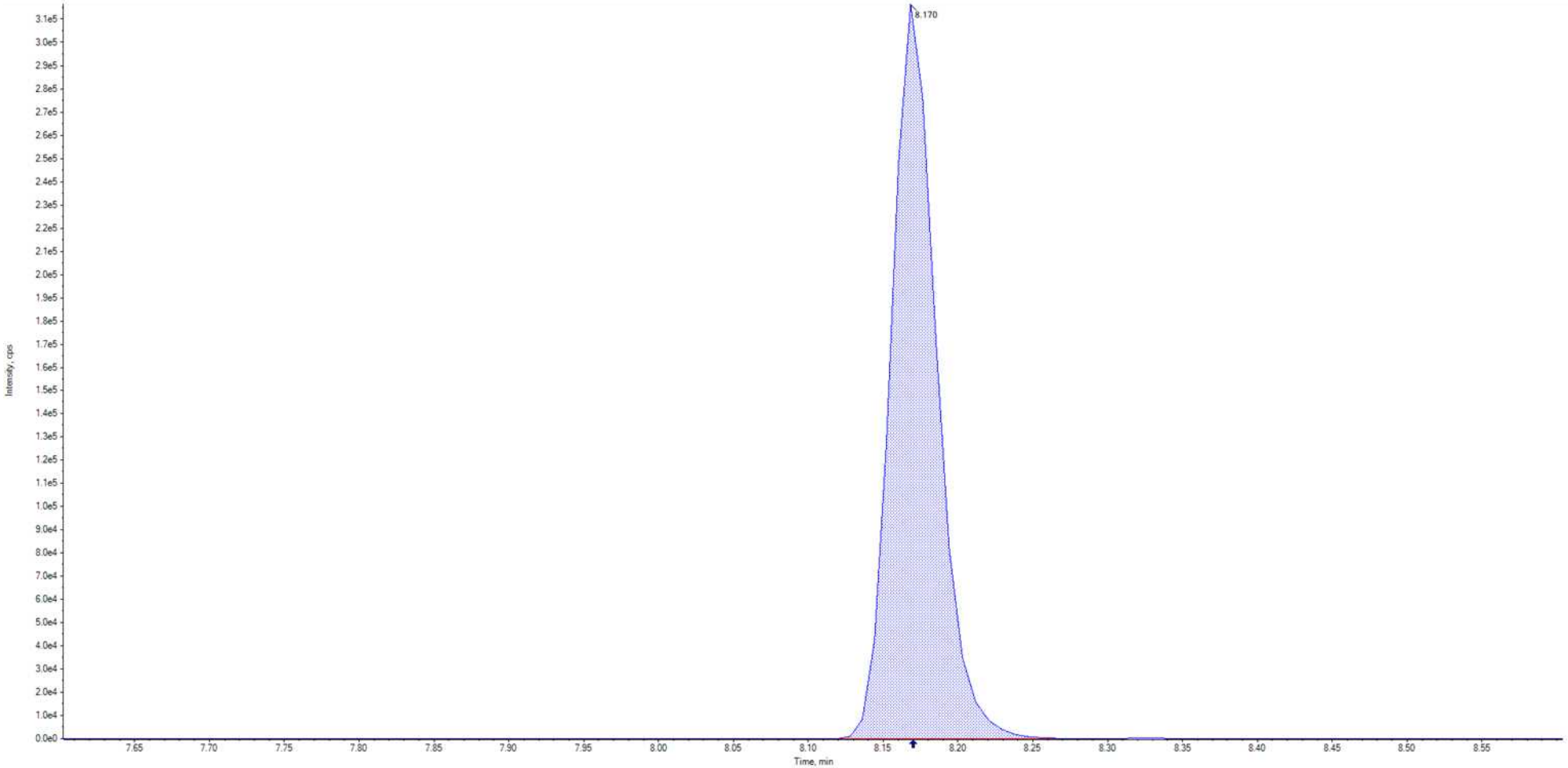
13C4-PFOA
Sample: IA1633STD-.2



13C5-PFNA
Sample: IA1633STD-.2



13C2-PFDA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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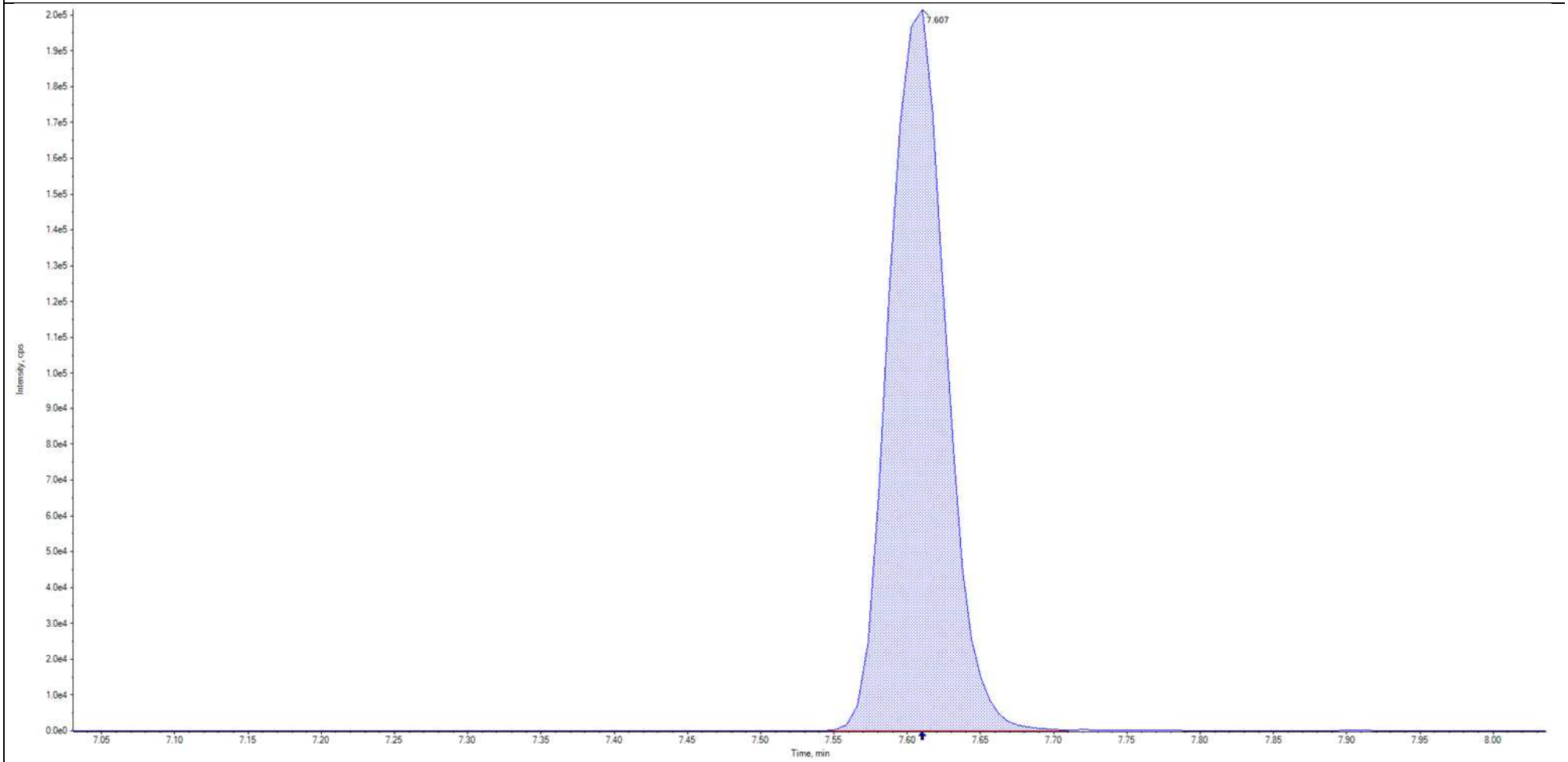
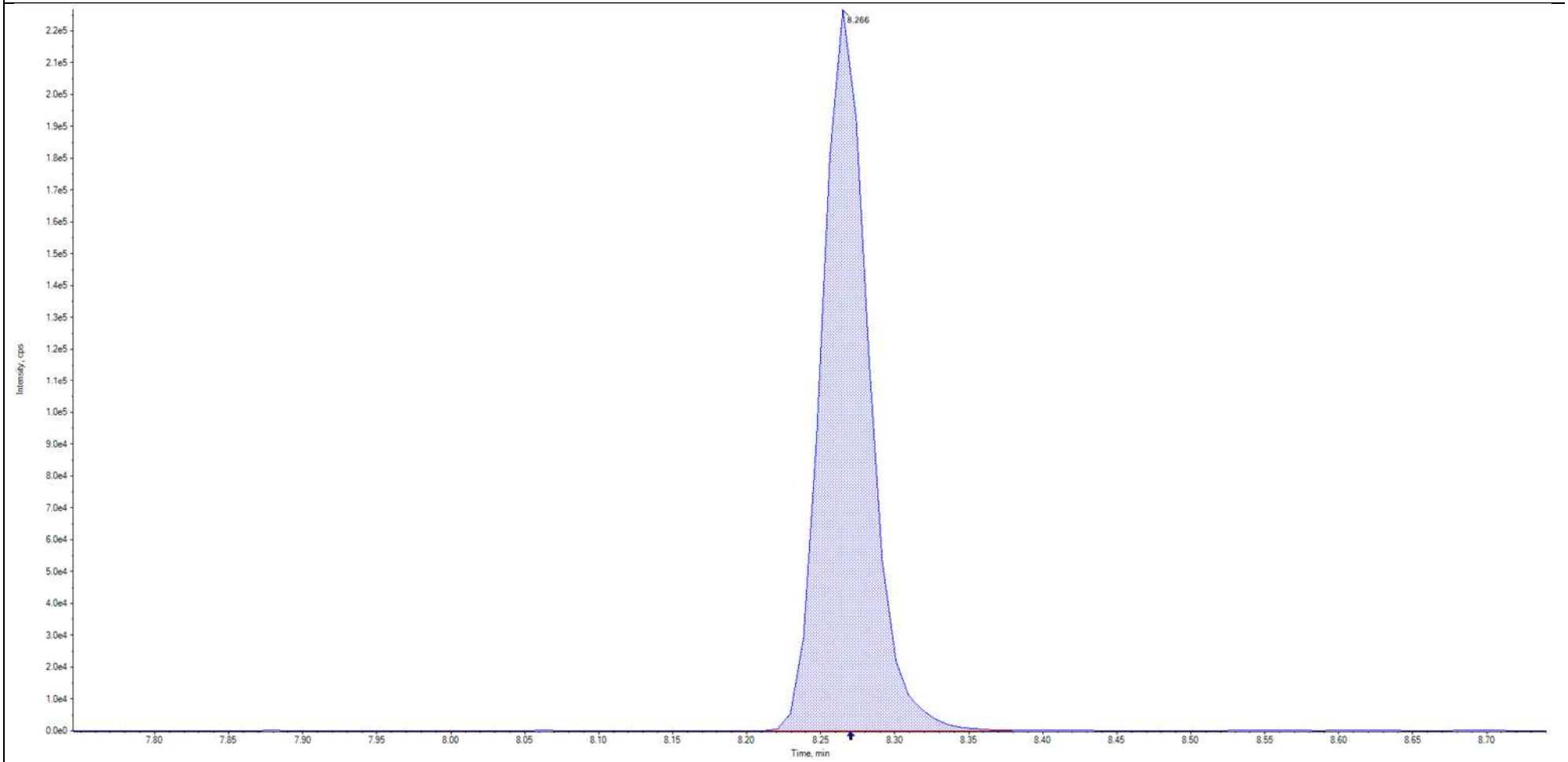
Generated: 8/14/2024 6:27:11 AM

18O2-PFHxS
Sample: IA1633STD-.2



13C4-PFOS
Sample: IA1633STD-.2



Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_72.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-.5
Name: SCI05_240813_73.wiff
Date & Time: 2024-08-13T22:15:52
Description: WG1958909,,,100 ul IA1633STD-5
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	392007		1.919	N/A	N/A	N/A	95.9
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	285758		0.958	0.007	0.007	N/A	95.8
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	2019		0.959	0.007	0.007	N/A	95.9
4	PFHxA	307-24-4	5.34	313.0 / 269.0	234525		0.465	0.076	0.072	Pass	93.0
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	17747		0.476	0.076	0.072	Pass	95.3
6	PFHpA	375-85-9	6.25	363.1 / 319.0	227673		0.472	0.306	0.297	Pass	94.3
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	69647		0.471	0.306	0.297	Pass	94.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	152387	M5	0.503	0.545	0.586	Pass	100.6
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	83089	M7	0.501	0.545	0.586	Pass	100.1
10	PFNA	375-95-1	7.95	462.8 / 418.9	203035	M5	0.490	0.287	0.313	Pass	98.0
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	58235	M7	0.460	0.287	0.313	Pass	91.9
12	PFDA	335-76-2	8.17	513.1 / 469.1	227128		0.464	0.165	0.142	Pass	92.9
13	PFDA_2	335-76-2	8.17	513.1 / 219.0	37449		0.511	0.165	0.142	Pass	102.2
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	174087		0.494	0.188	0.194	Pass	98.9
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	32692		0.479	0.188	0.194	Pass	95.9
16	PFDoA	307-55-1	8.90	613.1 / 569.1	178586		0.488	0.171	0.167	Pass	97.7
17	PFDoA_2	307-55-1	8.90	613.1 / 319.0	30494	M7	0.494	0.171	0.167	Pass	98.7
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	105929		0.486	0.231	0.228	Pass	97.2
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	24469		0.504	0.231	0.228	Pass	100.8
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	186633		0.489	0.141	0.137	Pass	97.9
21	PFTeDA_2	376-06-7	9.90	713.1 / 169.0	26269	M7	0.504	0.141	0.137	Pass	100.7
22	PFBS	375-73-5	5.31	299.1 / 80.1	146551		0.430	0.397	0.396	Pass	96.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.31	299.1 / 99.1	58232		0.428	0.397	0.396	Pass	96.5
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	120878		0.443	0.299	0.299	Pass	94.1
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	36115		0.439	0.299	0.299	Pass	93.2
26	PFHxS	355-46-4	7.61	399.1 / 80.1	110263	M5	0.432	0.315	0.315	Pass	94.5
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	34678	M7	0.437	0.315	0.315	Pass	95.7
28	PFHpS	375-92-8	8.01	449.1 / 80.1	122492		0.469	0.277	0.287	Pass	98.4
29	PFHpS_2	375-92-8	8.01	449.1 / 99.1	33989		0.444	0.277	0.287	Pass	93.2
30	PFOS	1763-23-1	8.27	499.1 / 80.1	128413	M5	0.462	0.245	0.238	Pass	99.5
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	31451	M7	0.461	0.245	0.238	Pass	99.5
32	PFNS	68259-12-1	8.62	549.1 / 80.1	84849	M4	0.475	0.302	0.301	Pass	98.8
33	PFNS_2	68259-12-1	8.62	549.1 / 99.1	25659	M7	0.474	0.302	0.301	Pass	98.6
34	PFDS	335-77-3	9.14	599.1 / 80.1	79503	M7	0.452	0.275	0.275	Pass	93.7
35	PFDS_2	335-77-3	9.14	599.1 / 99.1	21897		0.452	0.275	0.275	Pass	93.6
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	76105	M4	0.472	0.287	0.274	Pass	97.4
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	21807	M7	0.493	0.287	0.274	Pass	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	214011		1.803	0.554	0.516	Pass	96.2
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	118560	M4	1.867	0.554	0.516	Pass	99.6
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	134548		1.838	0.533	0.565	Pass	96.7
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	71664		1.809	0.533	0.565	Pass	95.2
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	160030		1.926	0.685	0.662	Pass	100.3
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	109691		1.946	0.685	0.662	Pass	101.4
44	PFOSA	754-91-6	9.54	498.1 / 78.1	119348	M5	0.450	0.029	0.025	Pass	90.0
45	PFOSA_2	754-91-6	9.53	498.1 / 478.0	3448	M7	0.495	0.029	0.025	Pass	99.1
46	NMeFOSA	31506-32-8	10.16	512.2 / 219.0	30885	M5	0.453	1.577	1.551	Pass	90.6
47	NMeFOSA_2	31506-32-8	10.12	512.2 / 169.0	48697	M7	0.461	1.577	1.551	Pass	92.2
48	NEtFOSA	4151-50-2	10.37	526.2 / 219.0	31911	M5	0.474	1.358	1.285	Pass	94.8
49	NEtFOSA_2	4151-50-2	10.33	526.2 / 169.0	43351	M7	0.481	1.358	1.285	Pass	96.2
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	36814	M4	0.431	0.869	0.700	Pass	86.2
51	NMeFOSAA_2	2355-31-9	8.22	570.2 / 483.0	31999	M7	0.589	0.869	0.700	Pass	117.7
52	NEtFOSAA	2991-50-6	8.36	584.2 / 419.1	35871		0.510	0.399	0.487	Pass	101.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.36	584.2 / 526.2	14324		0.442	0.399	0.487	Pass	88.5
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	543241	M5	4.729	N/A	N/A	N/A	94.6
55	NEtFOSE	1691-99-2	10.27	630.0 / 58.9	1009032	M5	4.782	N/A	N/A	N/A	95.6
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	500246		2.057	0.433	0.464	Pass	102.8
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	216697	M7	1.916	0.433	0.464	Pass	95.8
58	ADONA	919005-14-4	6.72	377.1 / 251.0	1036431		1.874	0.656	0.634	Pass	99.1
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	680001		1.900	0.656	0.634	Pass	100.5
60	9Cl-PF3ONS	756426-58-1	8.49	530.8 / 351.1	1064499		1.952	0.335	0.322	Pass	104.4
61	9Cl-PF3ONS_2	756426-58-1	8.49	532.8 / 353.0	356553		2.008	0.335	0.322	Pass	107.4
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	665847		1.933	0.328	0.331	Pass	102.3
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	218497		1.885	0.328	0.331	Pass	99.7
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	61750		2.387	1.043	1.074	Pass	95.5
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	64385		2.486	1.043	1.074	Pass	99.4
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	1109466		12.128	0.945	0.953	Pass	97.0
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	1047917		12.106	0.945	0.953	Pass	96.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	1148521		11.278	1.617	1.558	Pass	90.2
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	1857506		12.569	1.617	1.558	Pass	100.6
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	748553		0.856	0.088	0.087	Pass	96.1
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	65578		0.868	0.088	0.087	Pass	97.5
72	PFMPA	377-73-1	3.85	229.0 / 85.0	33877		0.939	N/A	N/A	N/A	93.9
73	PFMBA	863090-89-5	4.87	279.0 / 85.0	470133		0.966	N/A	N/A	N/A	96.6
74	NFDHA	151772-58-6	5.25	295.0 / 201.0	88598		0.962	0.958	0.910	Pass	96.2
75	NFDHA_2	151772-58-6	5.25	295.0 / 84.9	84861		1.005	0.958	0.910	Pass	100.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	866893		4.768	N/A	N/A	N/A	95.4
79	13C2-PFOA	Surr	7.49	415.0 / 370.0	3205026		2.482	N/A	N/A	N/A	99.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2519393		10.159	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	4.64	268.0 / 223.0	1617019		4.933	NA	NA	NA	98.7
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1034641		2.403	NA	NA	NA	96.1
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1030480		2.390	NA	NA	NA	95.6
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1455337		2.496	NA	NA	NA	99.8
	13C9-PFNA	EIS	7.94	472.0 / 427.0	707850		1.246	NA	NA	NA	99.7
	13C6-PFDA	EIS	8.17	519.0 / 474.0	709382		1.281	NA	NA	NA	102.5
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	556914		1.243	NA	NA	NA	99.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.89	615.1 / 570.0	351491		1.206	NA	NA	NA	96.5
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	380510		1.202	NA	NA	NA	96.2
	13C3-PFBS	EIS	5.31	302.1 / 80.1	813176		2.400	NA	NA	NA	103.0
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	639932		2.378	NA	NA	NA	100.4
	13C8-PFOS	EIS	8.26	507.1 / 80.1	677209		2.489	NA	NA	NA	103.9
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	284068		4.698	NA	NA	NA	100.2
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	212236		4.790	NA	NA	NA	100.7
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	314742		4.854	NA	NA	NA	101.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	992163		2.743	NA	NA	NA	109.7
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	159207		2.615	NA	NA	NA	104.6
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	153264		2.576	NA	NA	NA	103.1
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	649448		4.718	NA	NA	NA	94.4
	d5-NEtFOSAA	EIS	8.35	589.3 / 419.1	377461		5.217	NA	NA	NA	104.3
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1164100		24.754	NA	NA	NA	99.0
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1797462		25.924	NA	NA	NA	103.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.59	287.0 / 169.0	2653121		9.297	NA	NA	NA	93.0
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1084806		5.073	NA	NA	NA	101.5
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1278491		2.611	NA	NA	NA	104.4
	13C4-PFOA	NIS	7.49	417.0 / 372.0	762872		2.437	NA	NA	NA	97.5
	13C5-PFNA	NIS	7.94	468.0 / 423.0	692195		1.264	NA	NA	NA	101.1
	13C2-PFDA	NIS	8.17	515.1 / 470.1	650593		1.270	NA	NA	NA	101.6
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	546904		2.334	NA	NA	NA	98.5
	13C4-PFOS	NIS	8.26	503.1 / 80.1	481323		2.286	NA	NA	NA	95.5

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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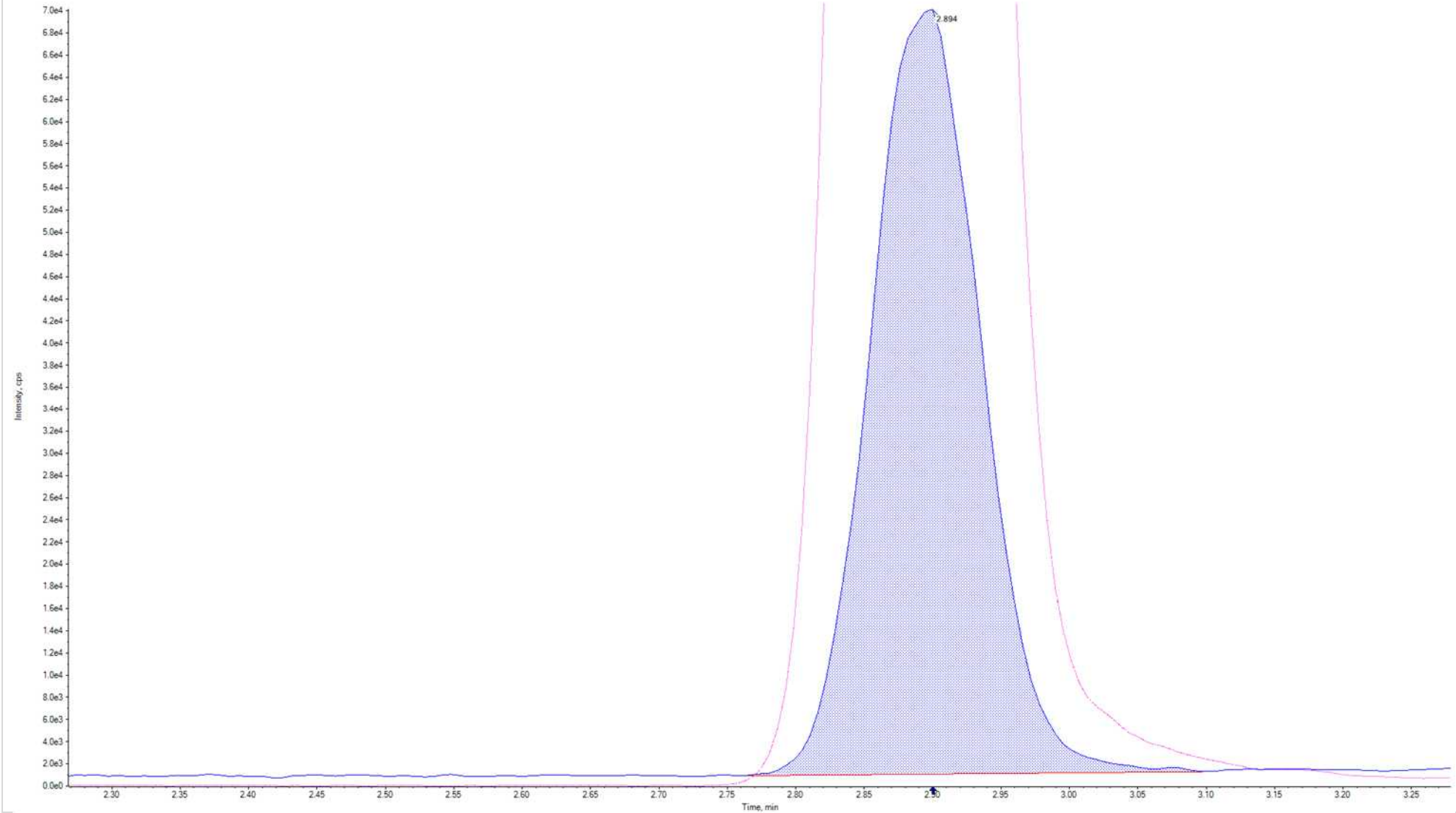
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBA
Sample: IA1633STD-.5 S/N:791.0 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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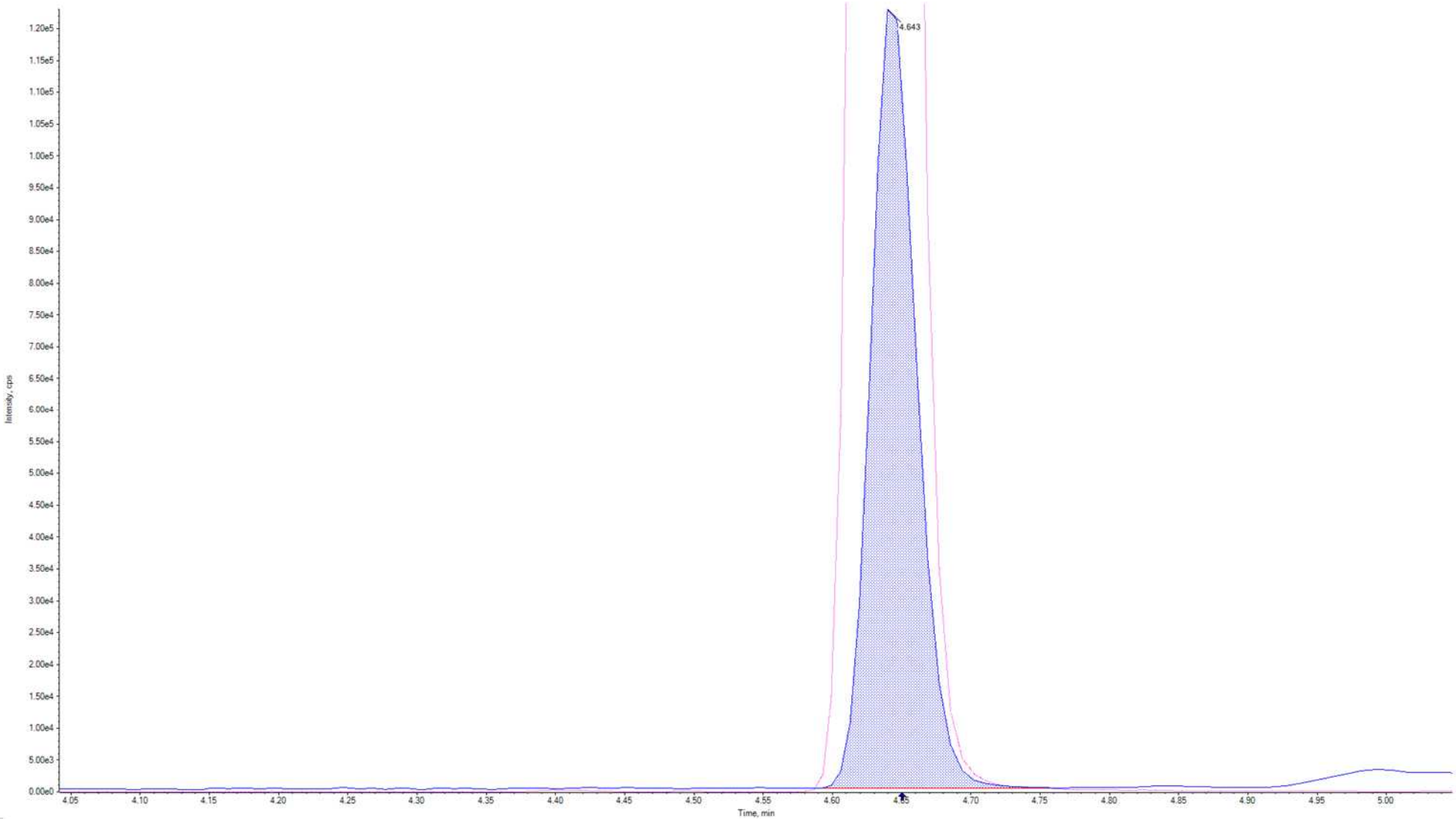
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-.5 S/N:1220.7 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
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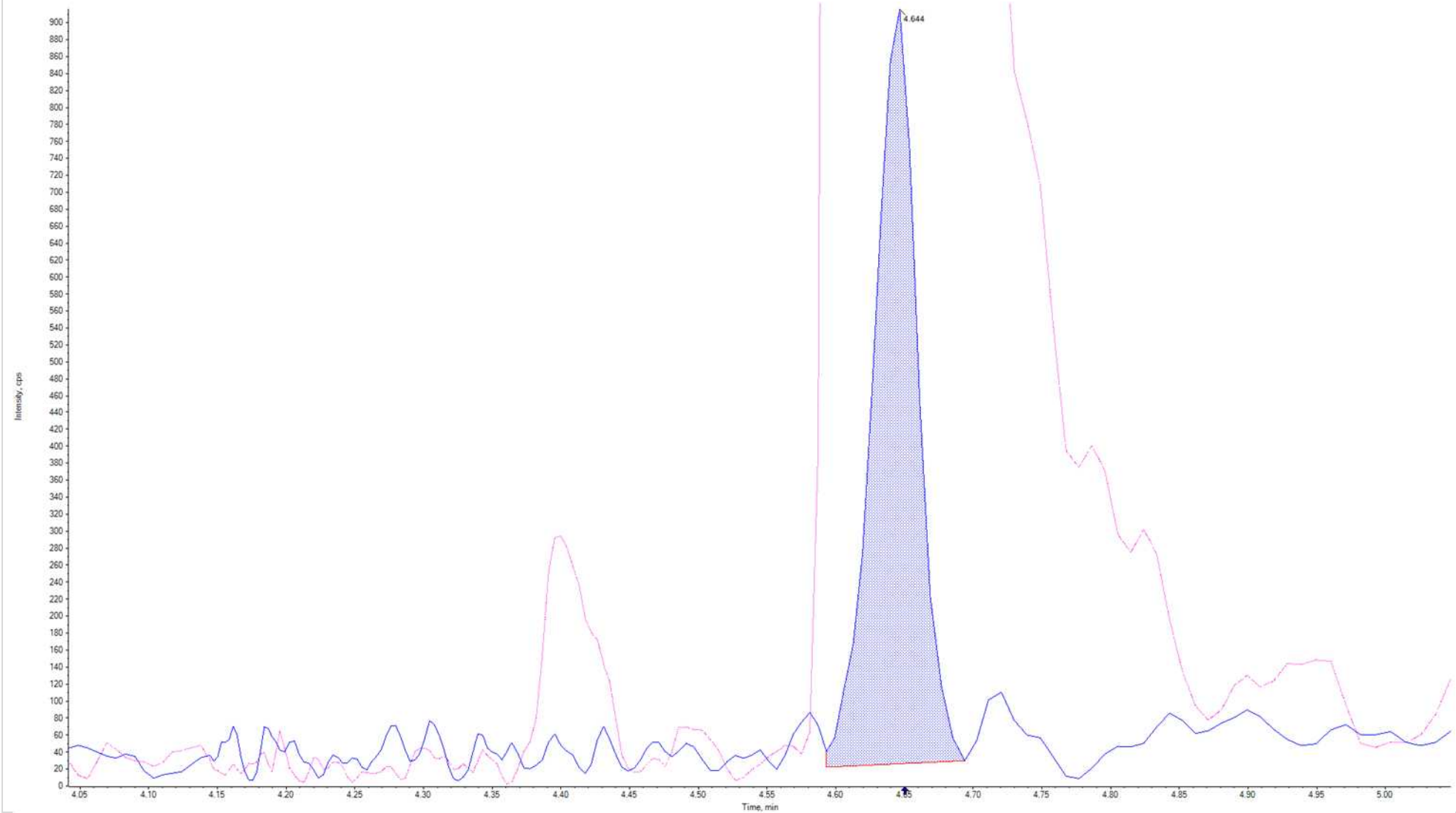
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-.5 S/N:183.7 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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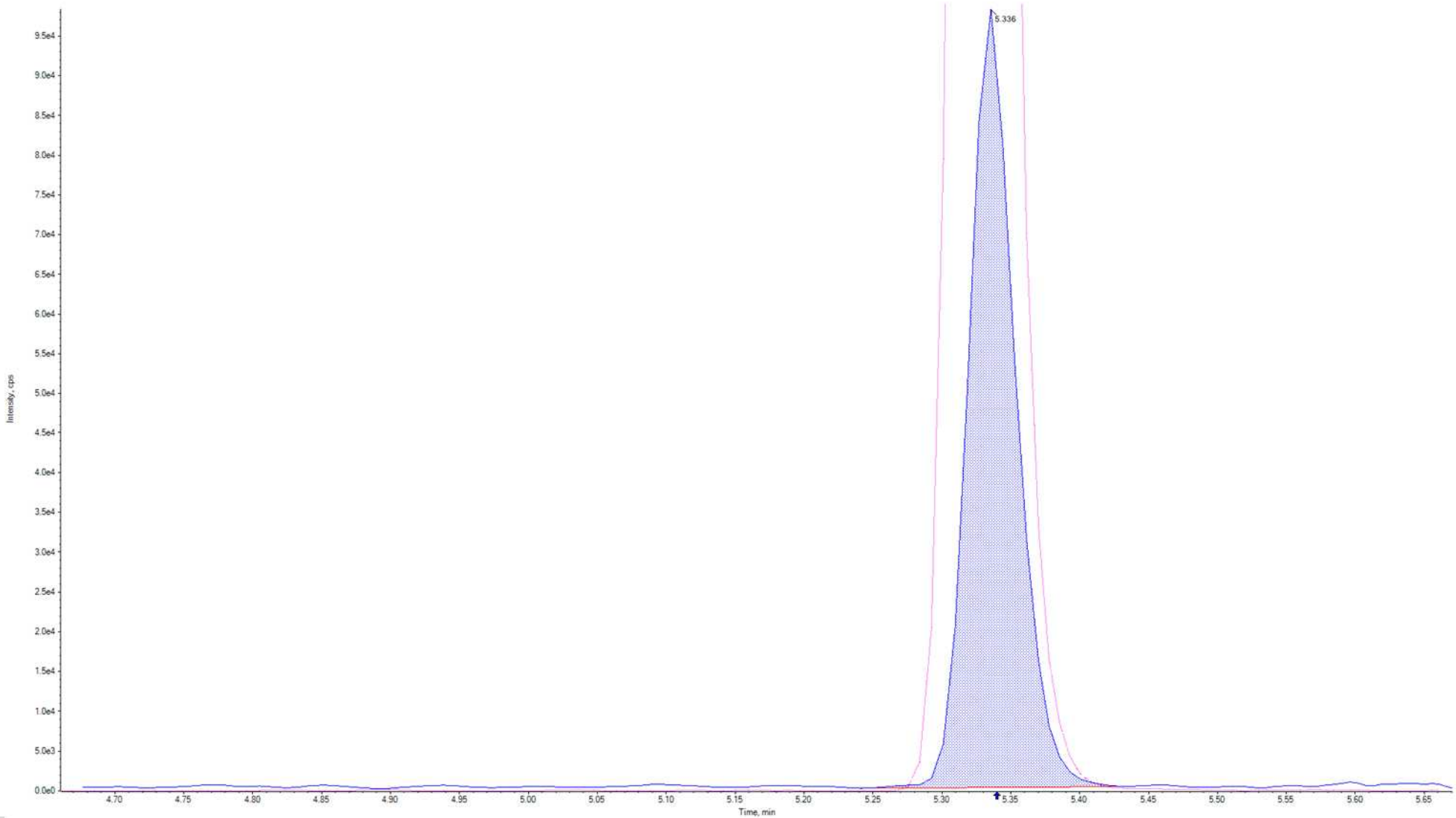
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-.5 S/N:715.9 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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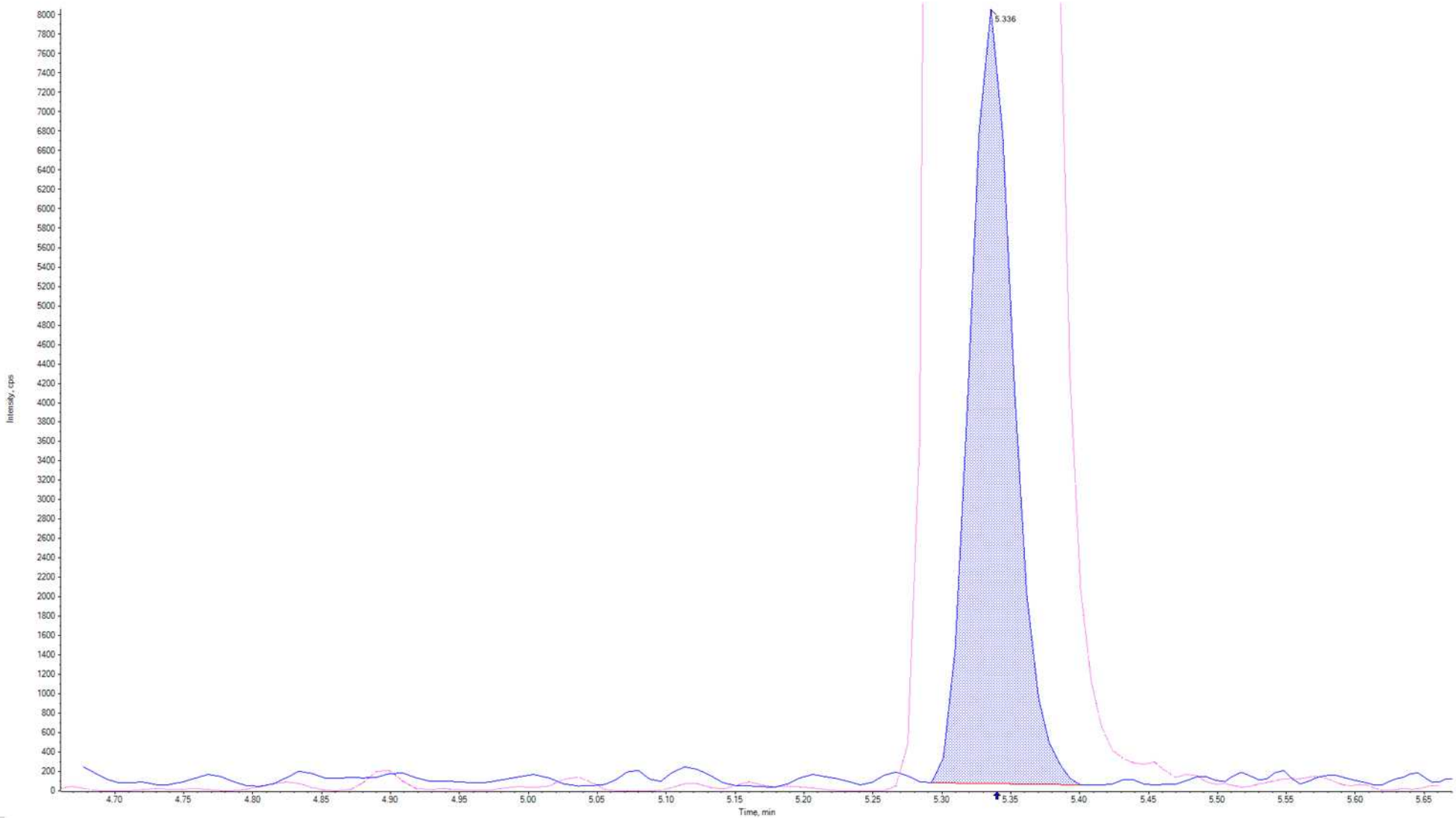
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-.5 S/N:312.1 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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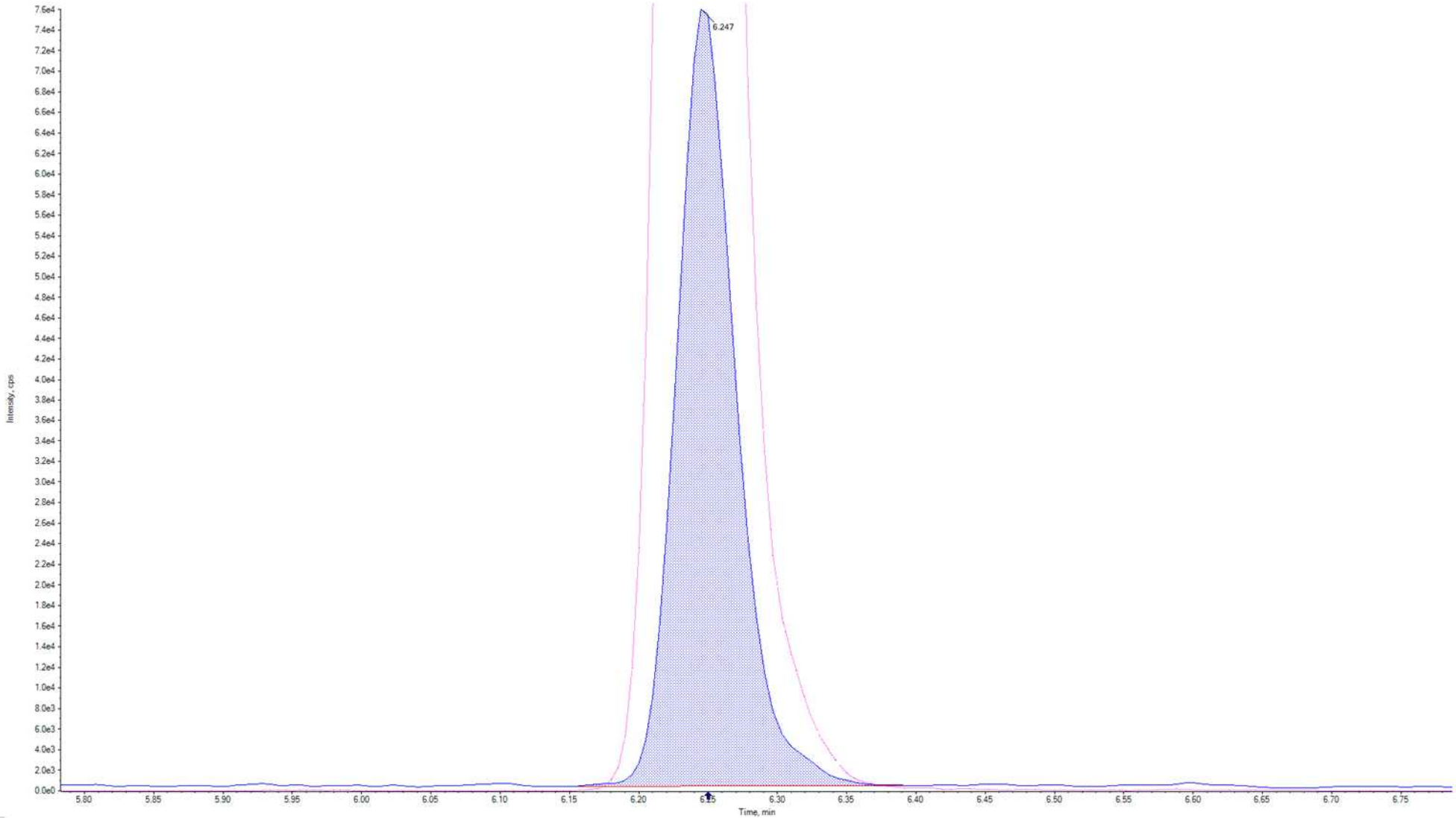
Generated: 8/14/2024 6:27:11 AM

PFHpA
Sample: IA1633STD-.5 S/N:1127.8 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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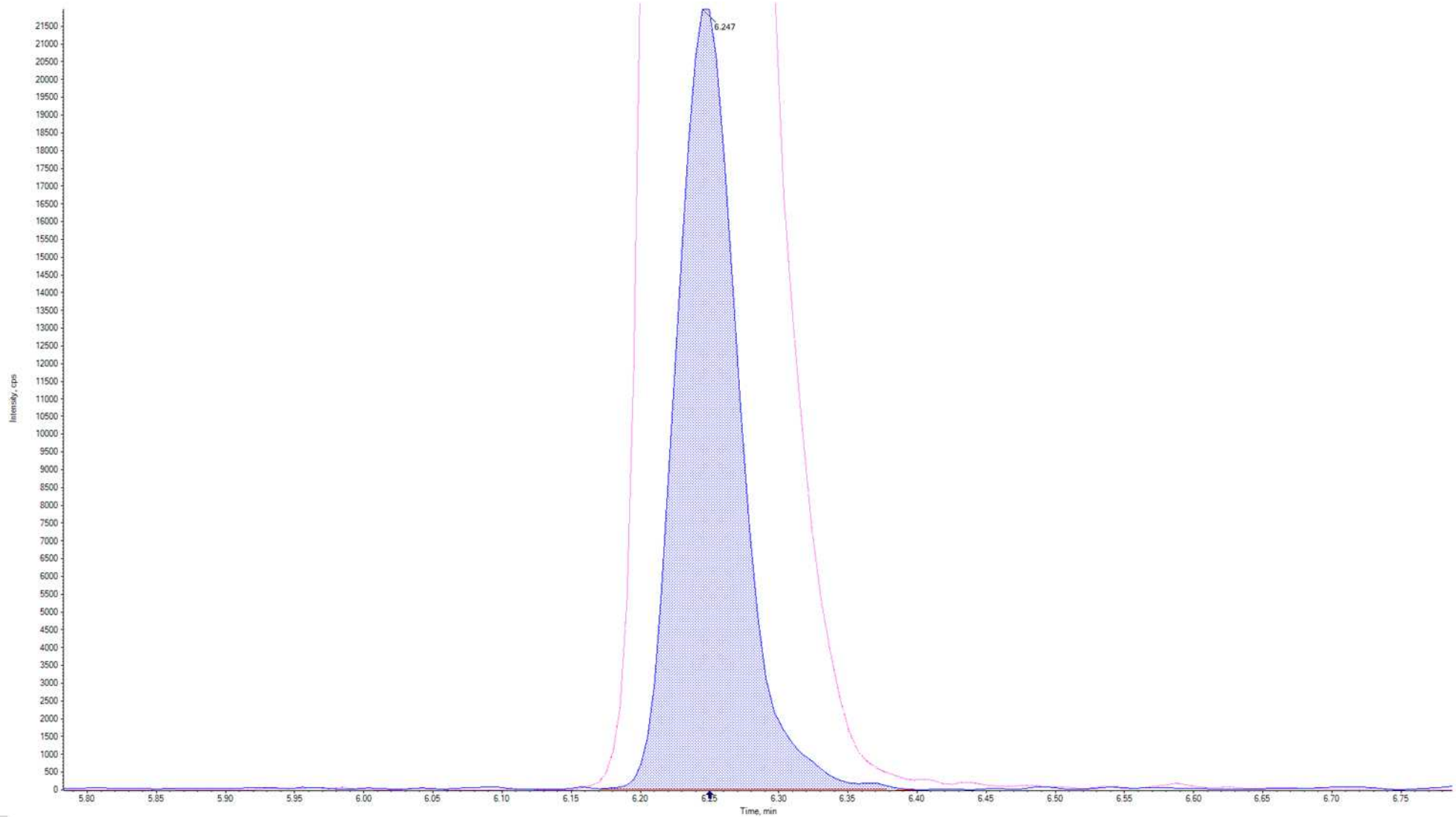
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-.5 S/N:2667.2 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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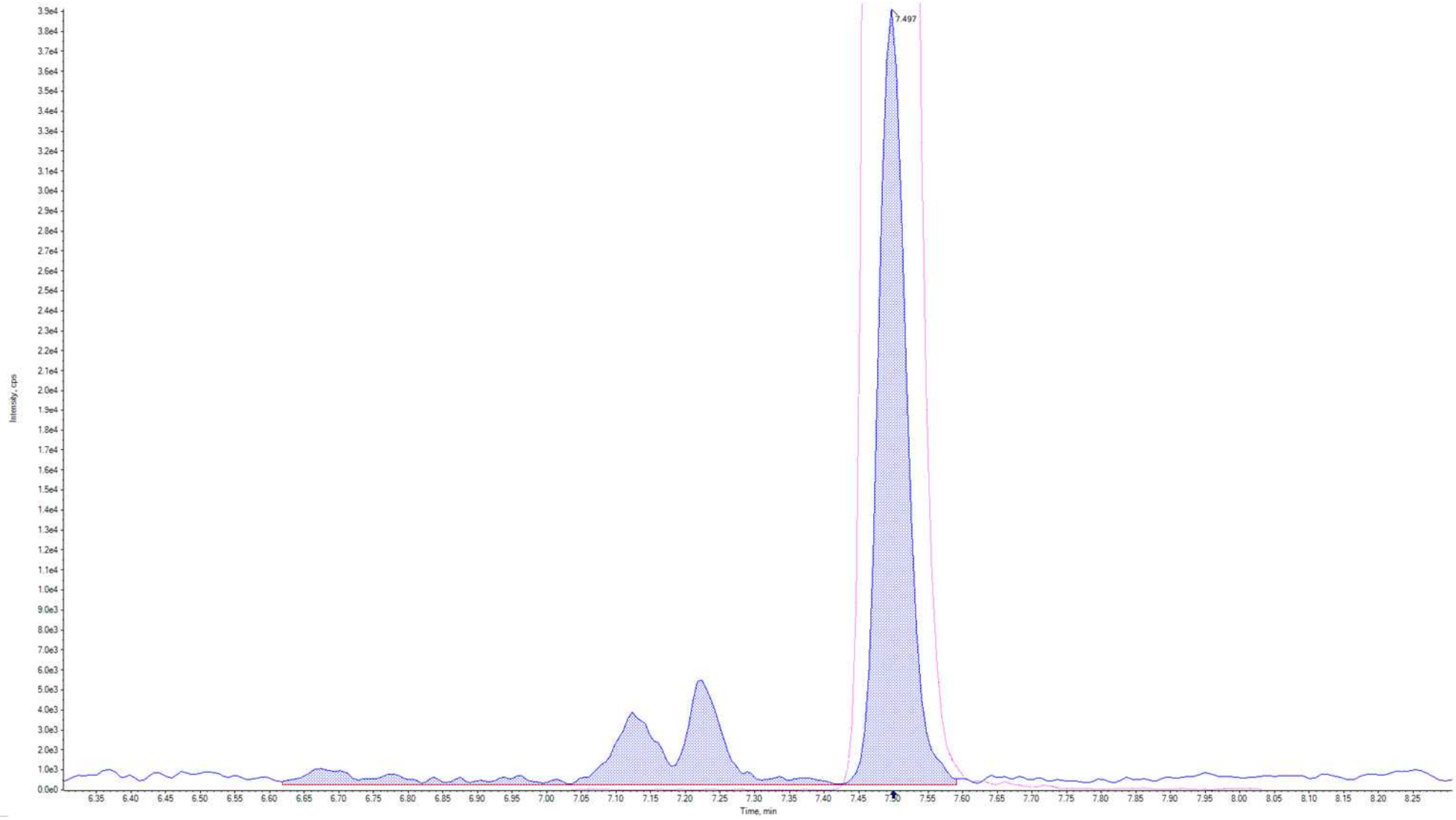
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-.5 S/N:595.2 Points Across peak:149



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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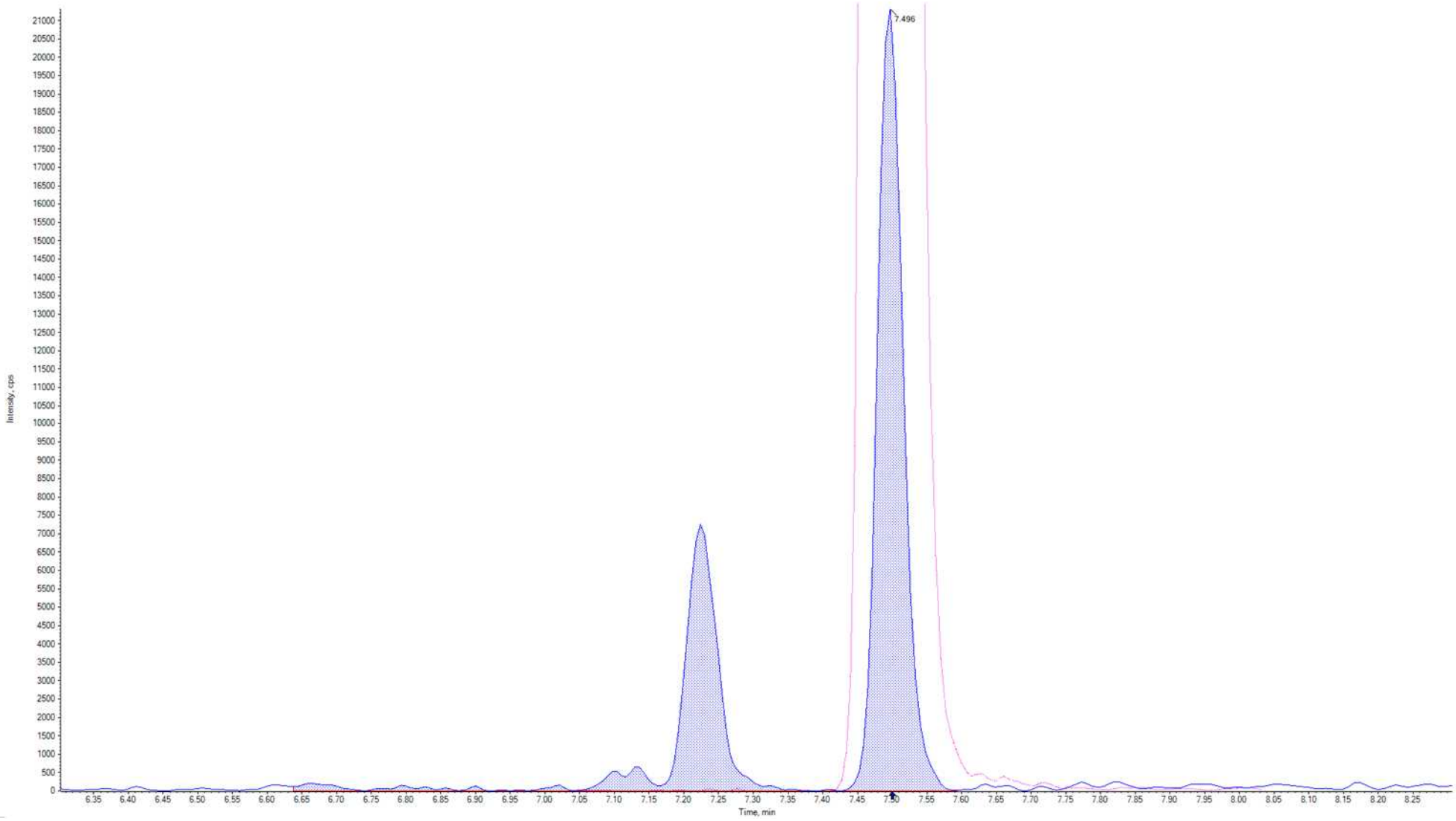
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-.5 S/N:7540.9 Points Across peak:148



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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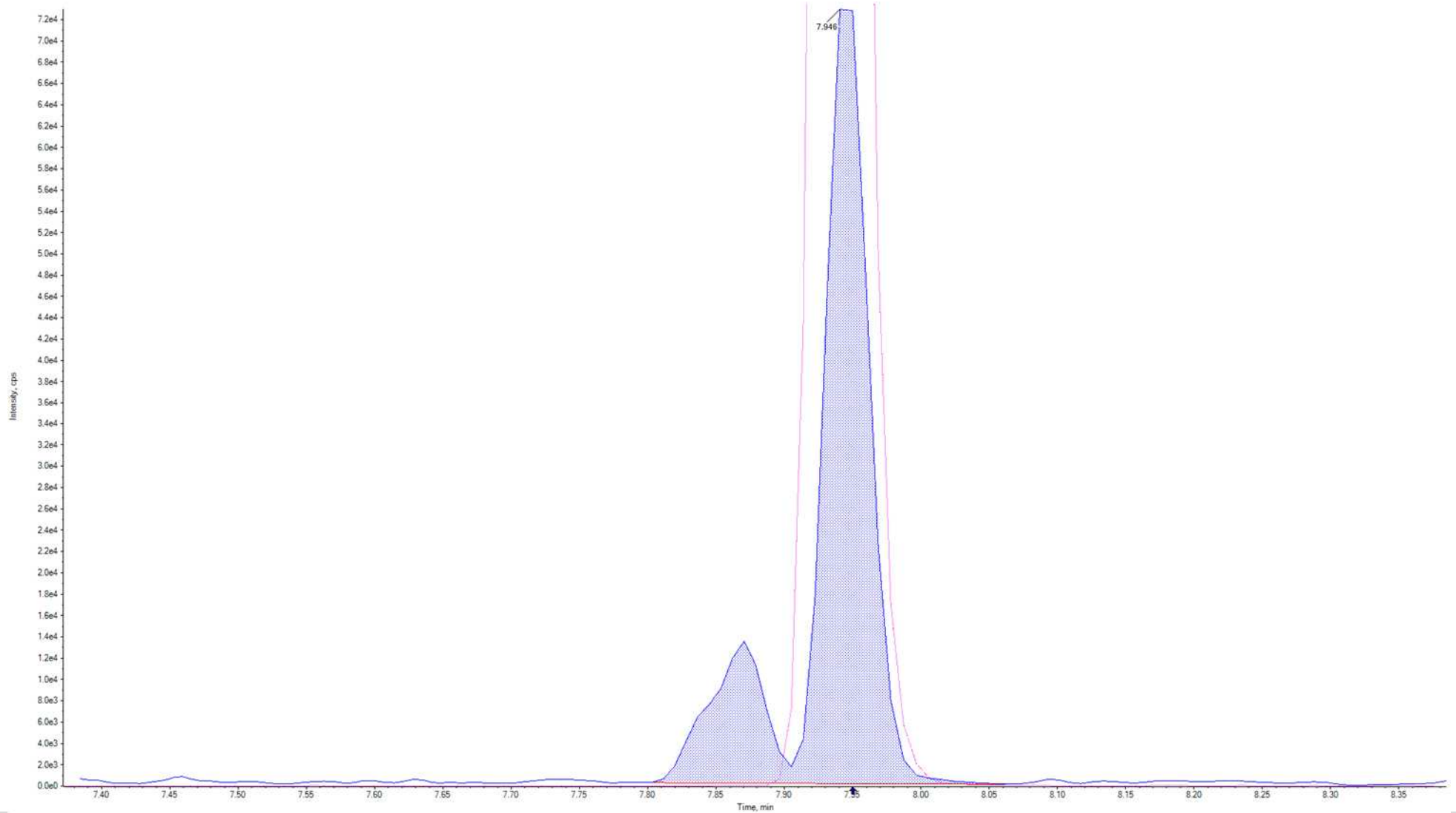
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-.5 S/N:709.4 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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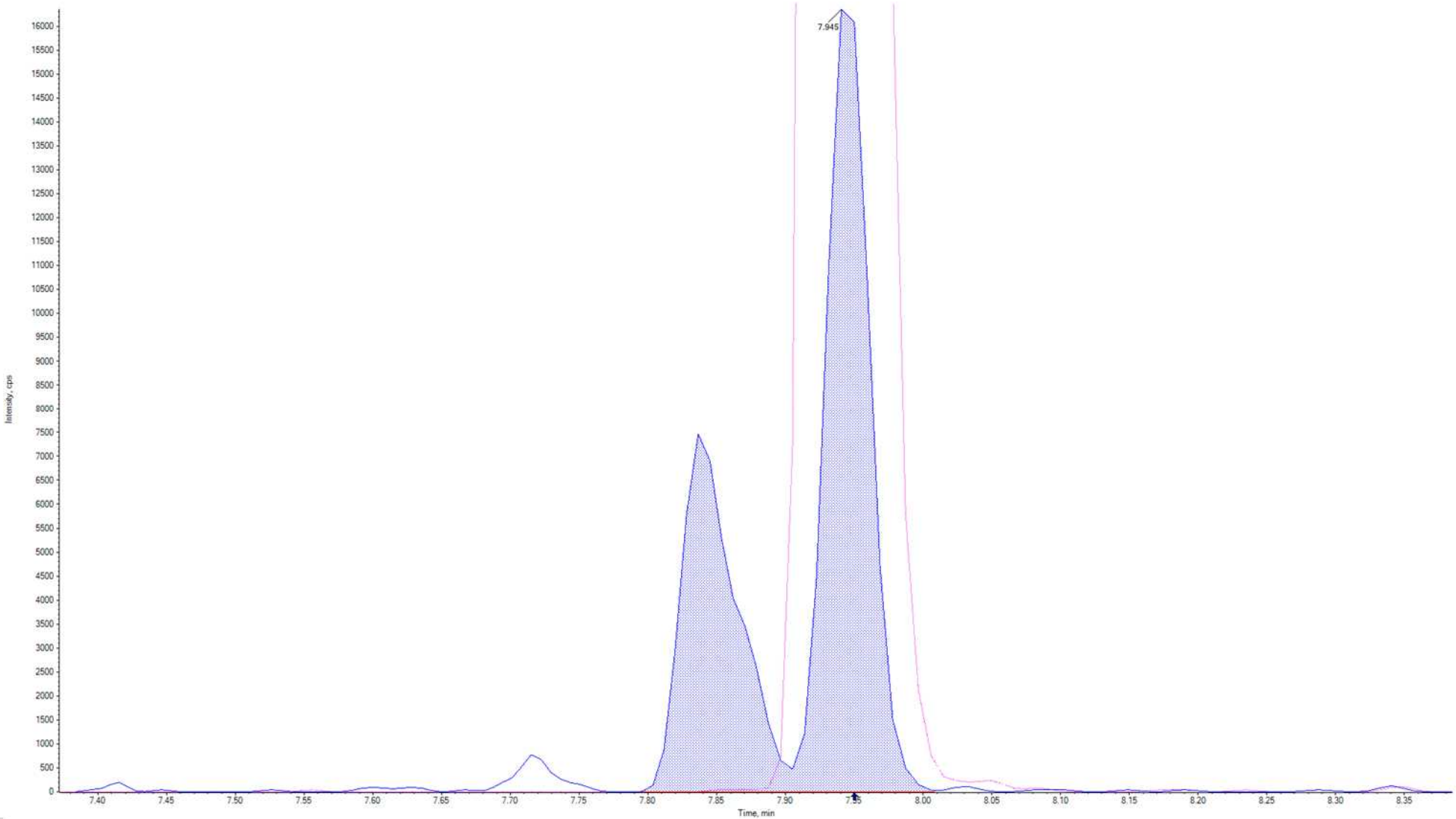
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-.5 S/N:163954.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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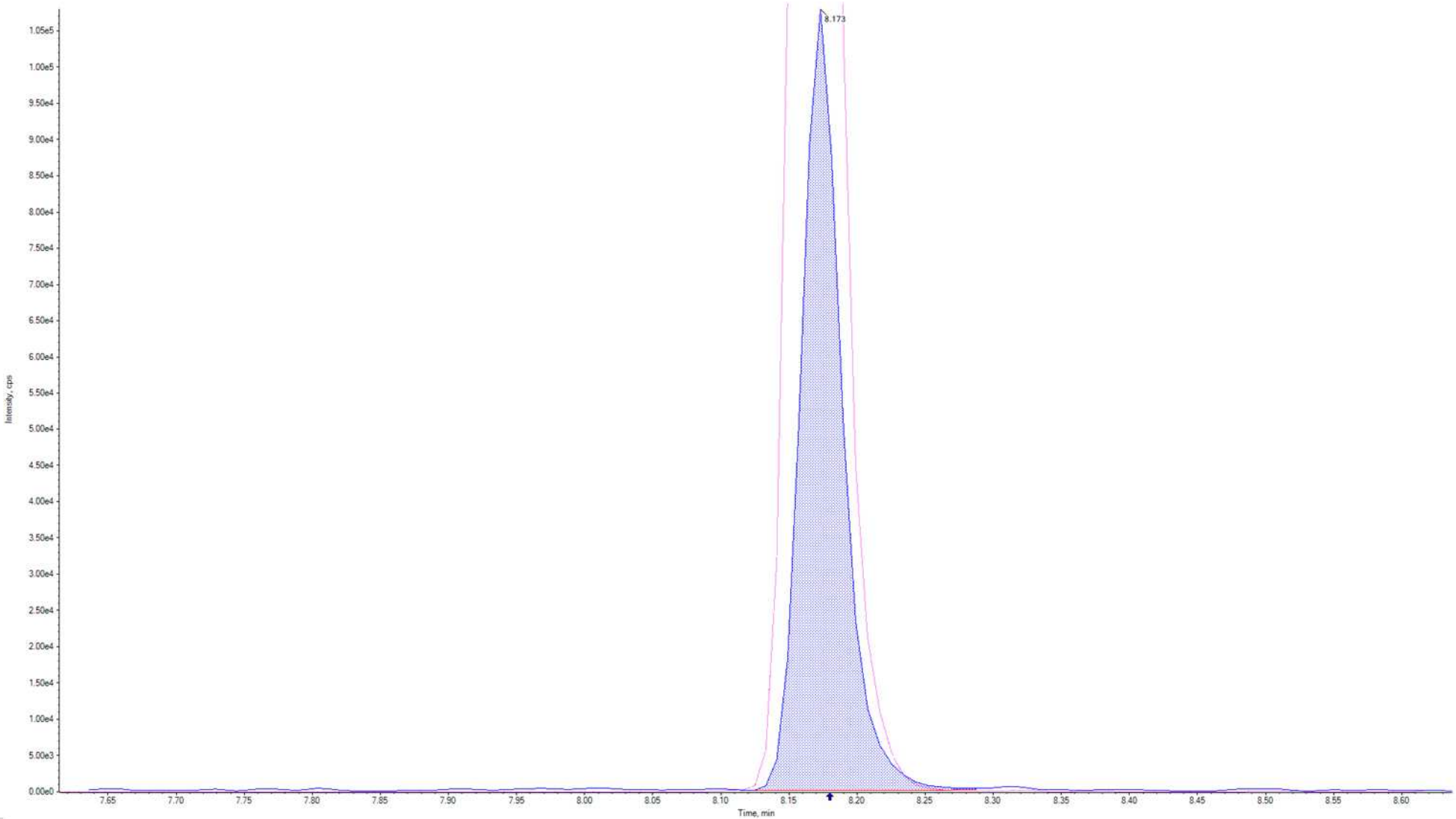
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-.5 S/N:1669.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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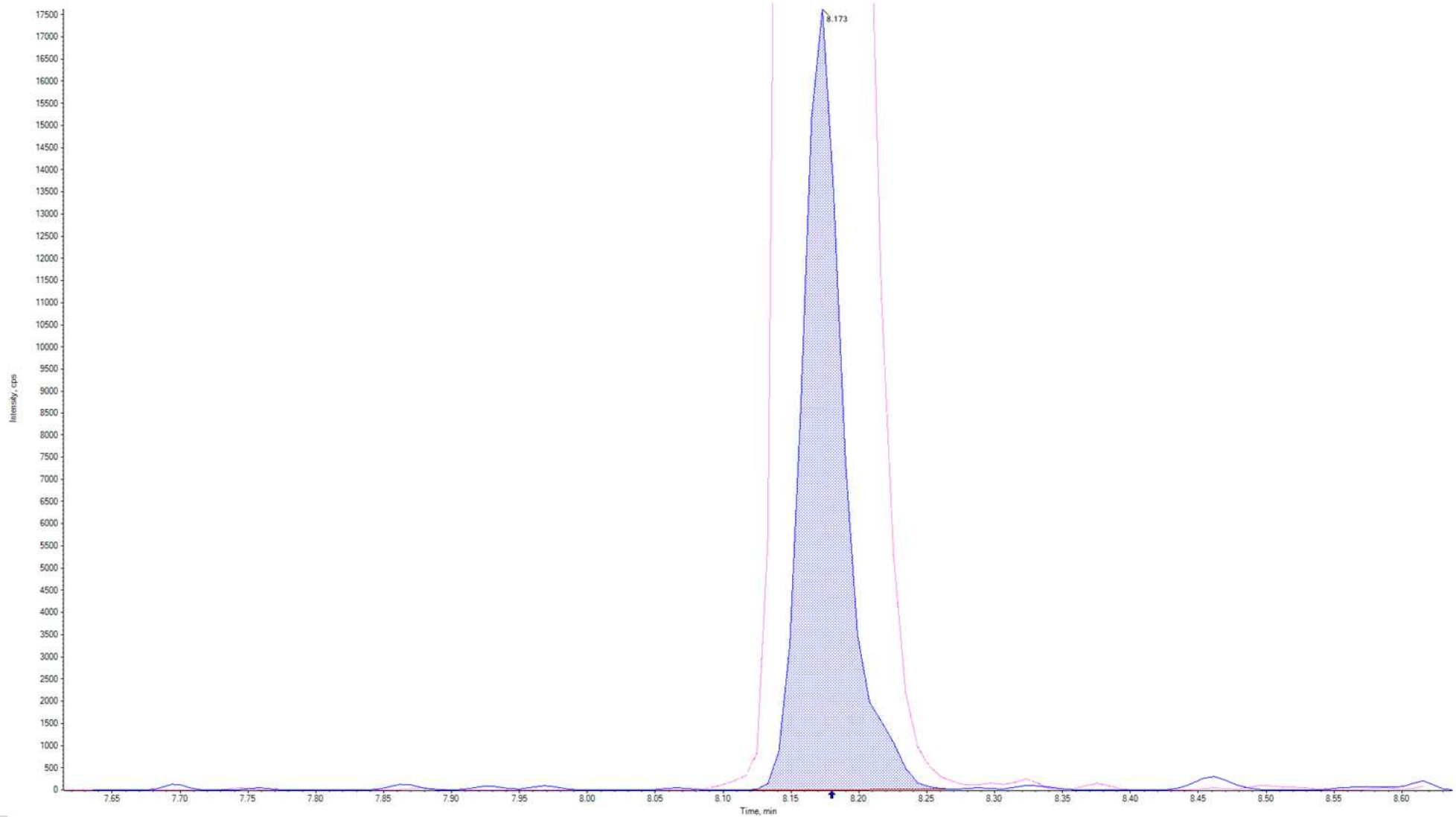
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-.5 S/N:678.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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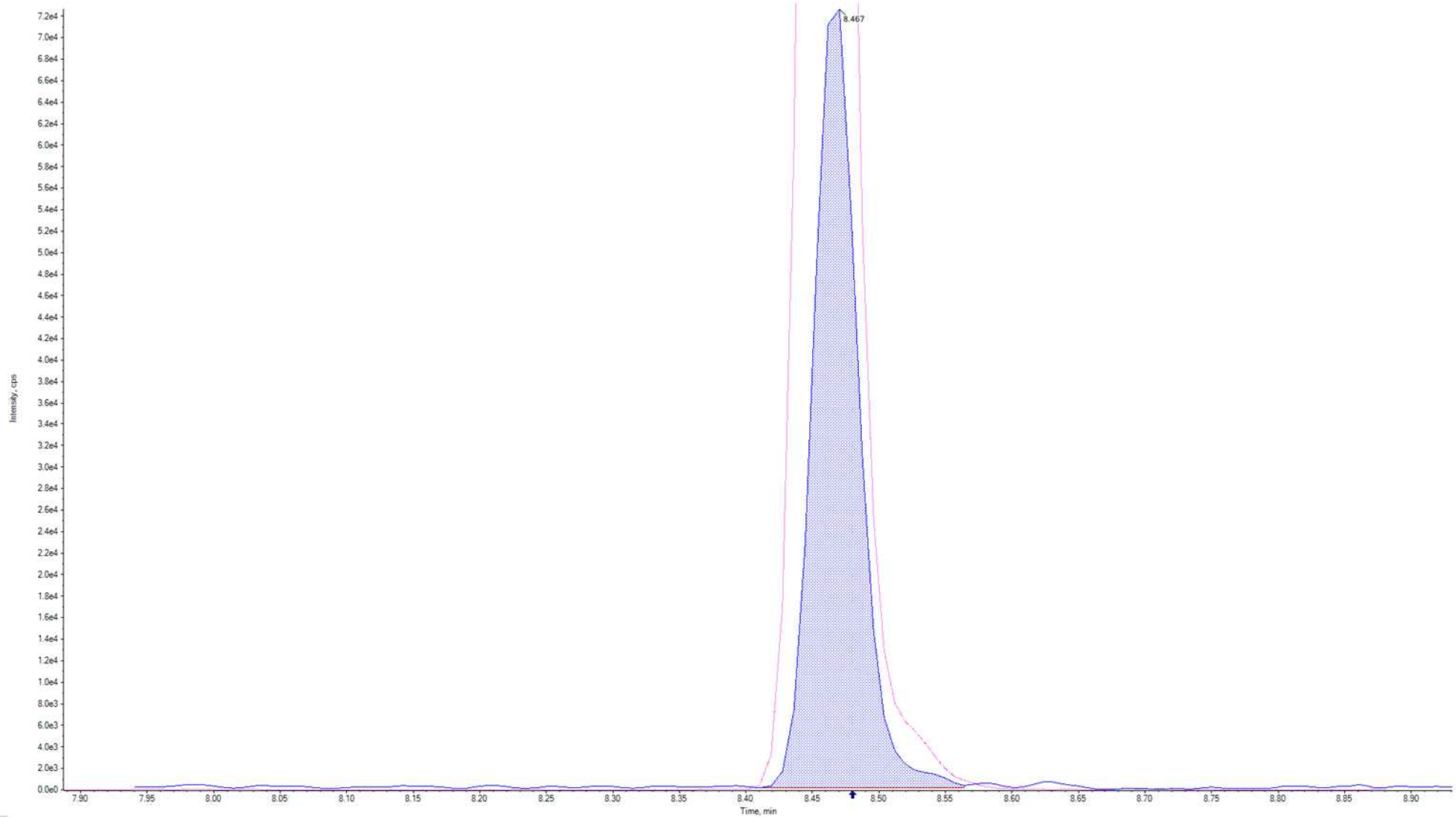
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-.5 S/N:1324.0 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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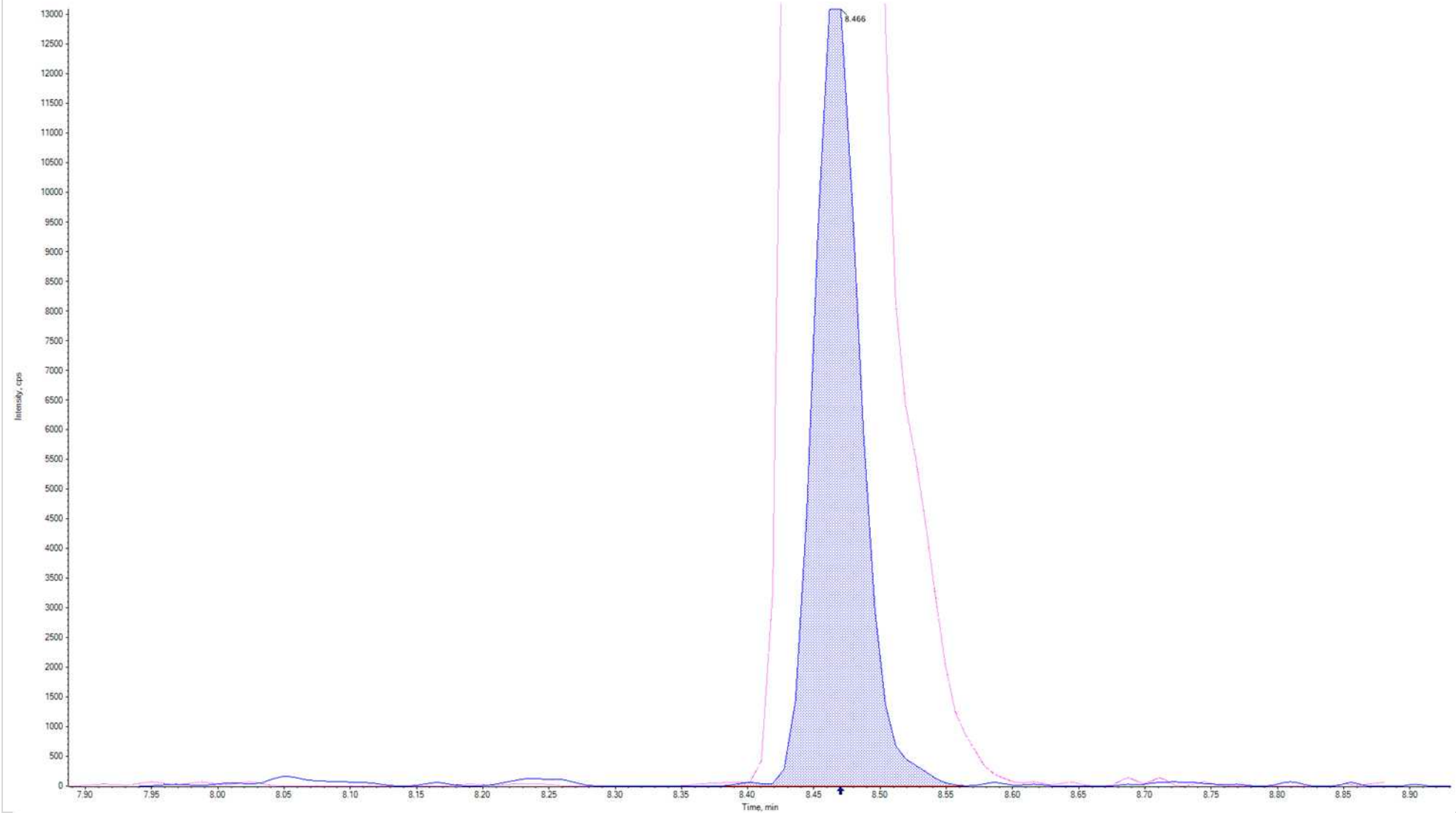
Generated: 8/14/2024 6:27:11 AM

PFUnA_2
Sample: IA1633STD-.5 S/N:679.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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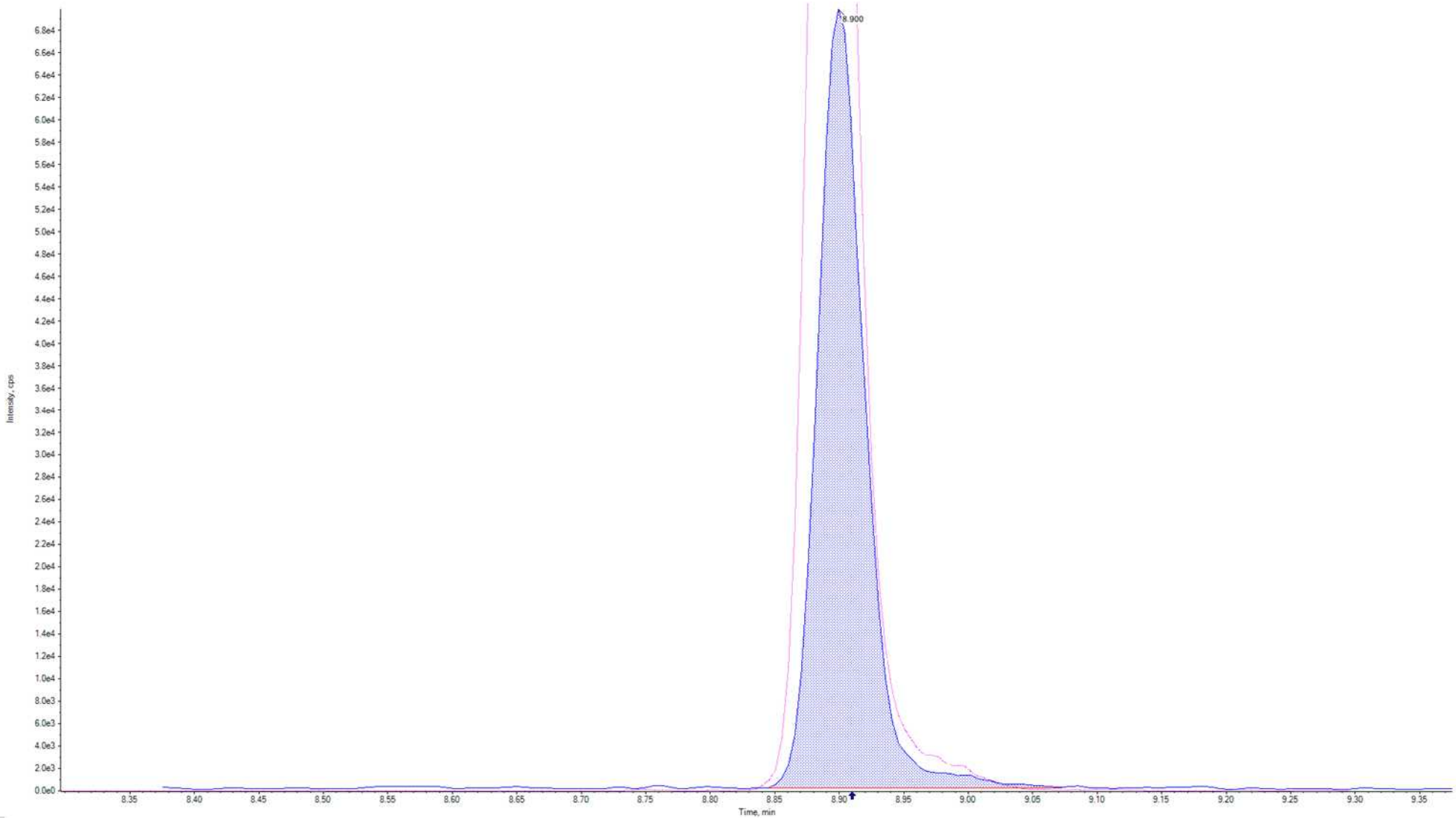
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoA
Sample: IA1633STD-.5 S/N:1604.2 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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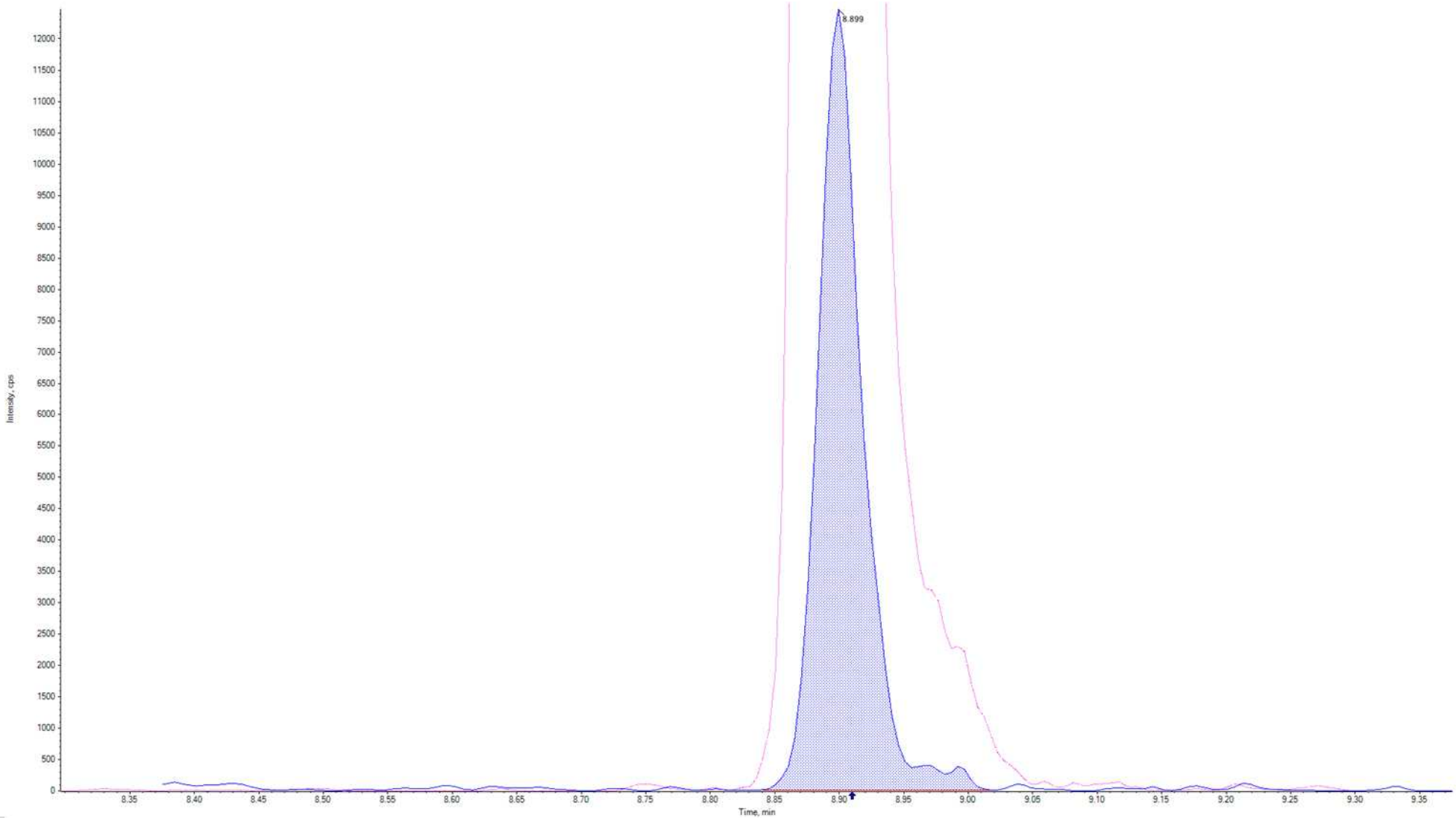
Generated: 8/14/2024 6:27:11 AM

PFDoA_2
Sample: IA1633STD-.5 S/N:4508689.1 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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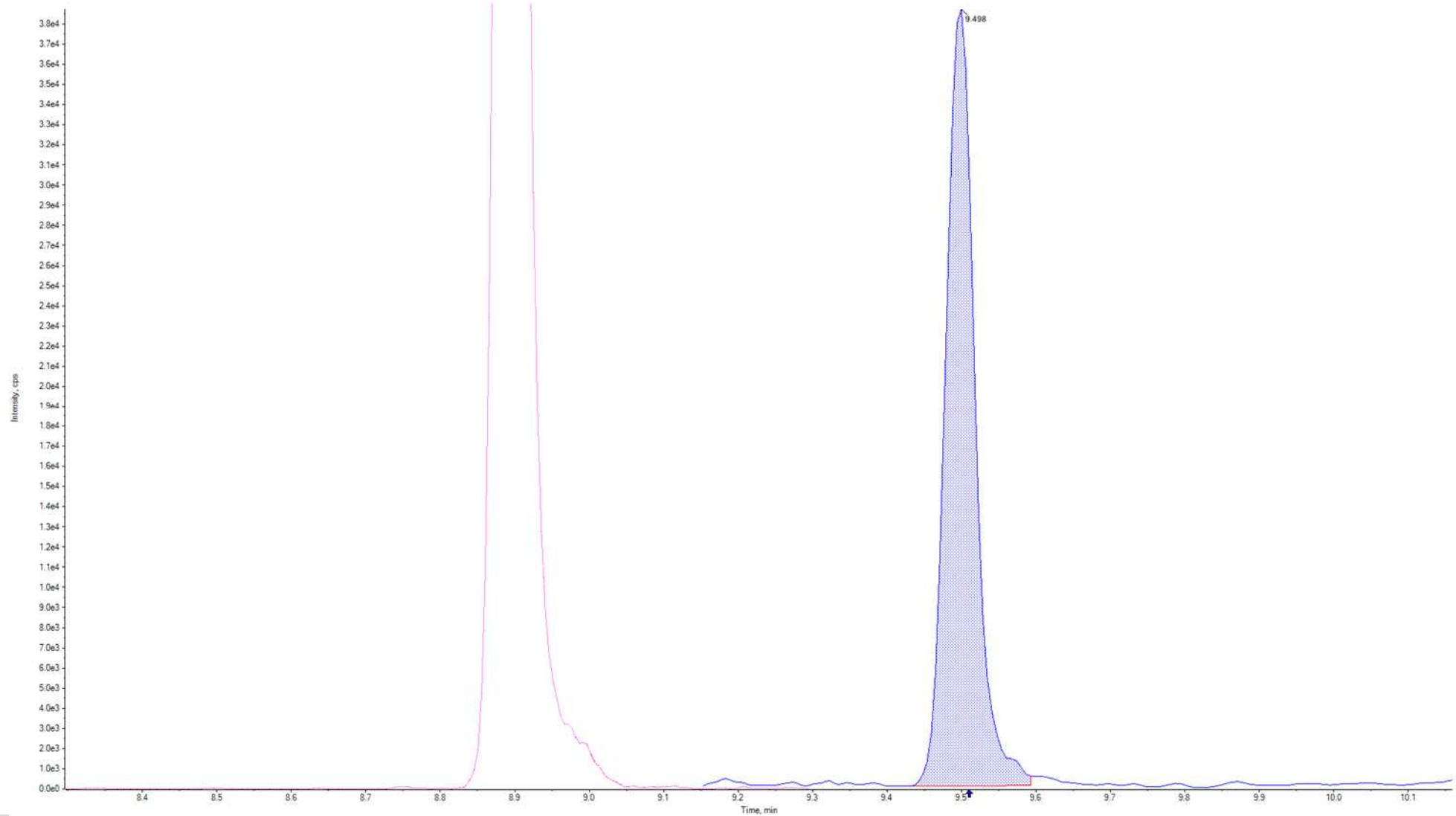
Generated: 8/14/2024 6:27:11 AM

PFTrDA
Sample: IA1633STD-.5 S/N:965.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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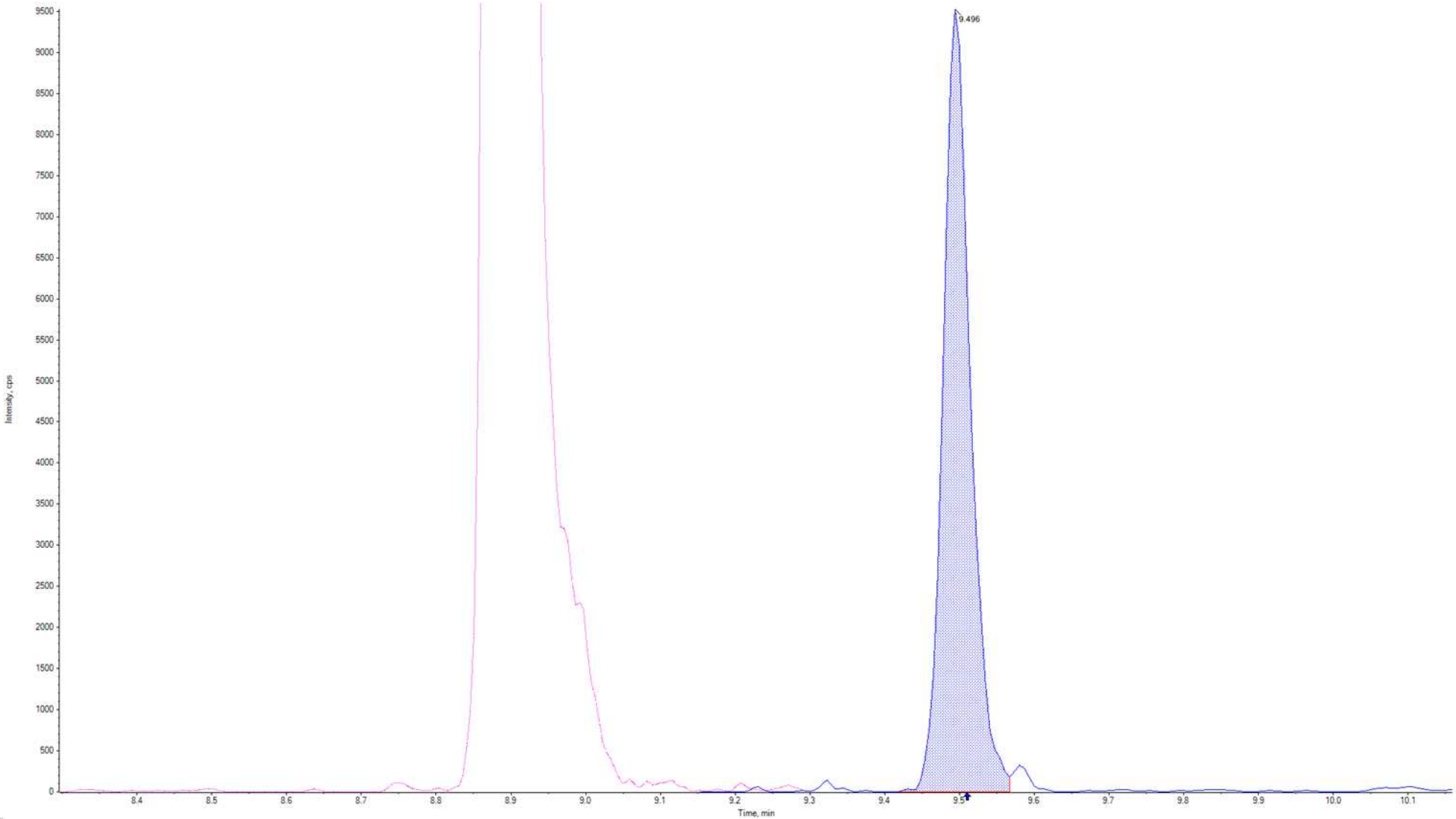
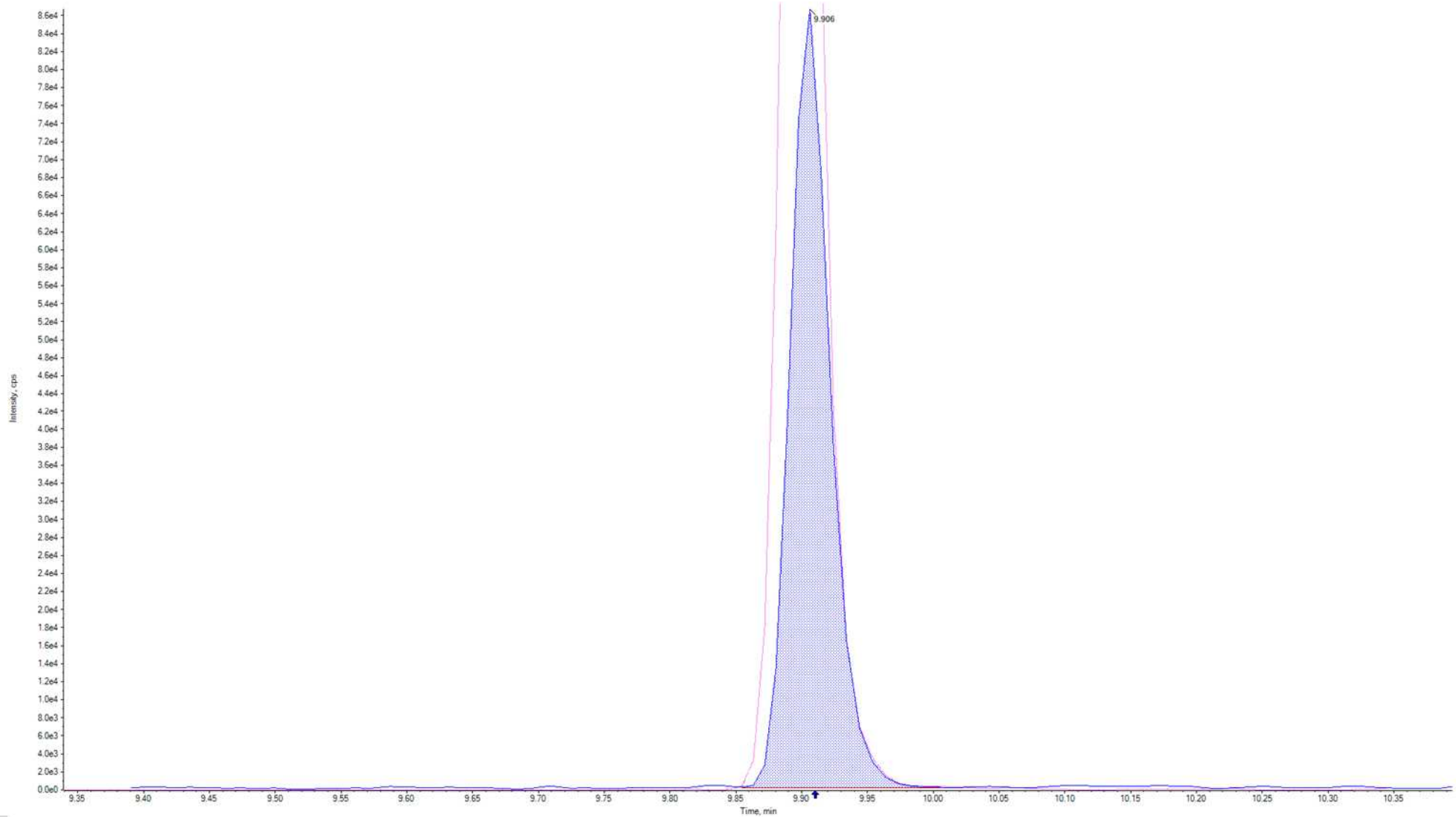
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-.5 S/N:760.0 Points Across peak:29



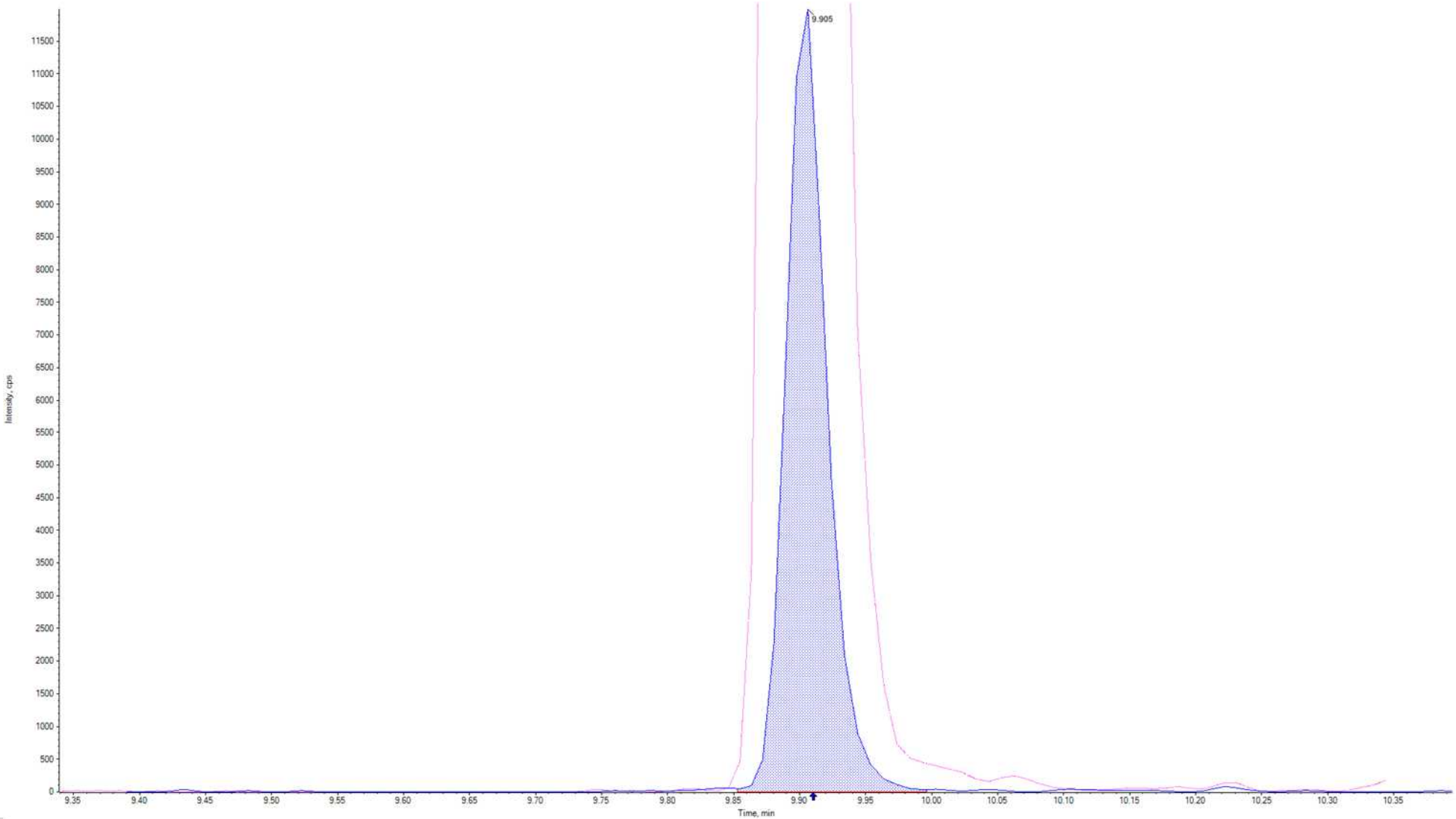
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-.5 S/N:1068.3 Points Across peak:18



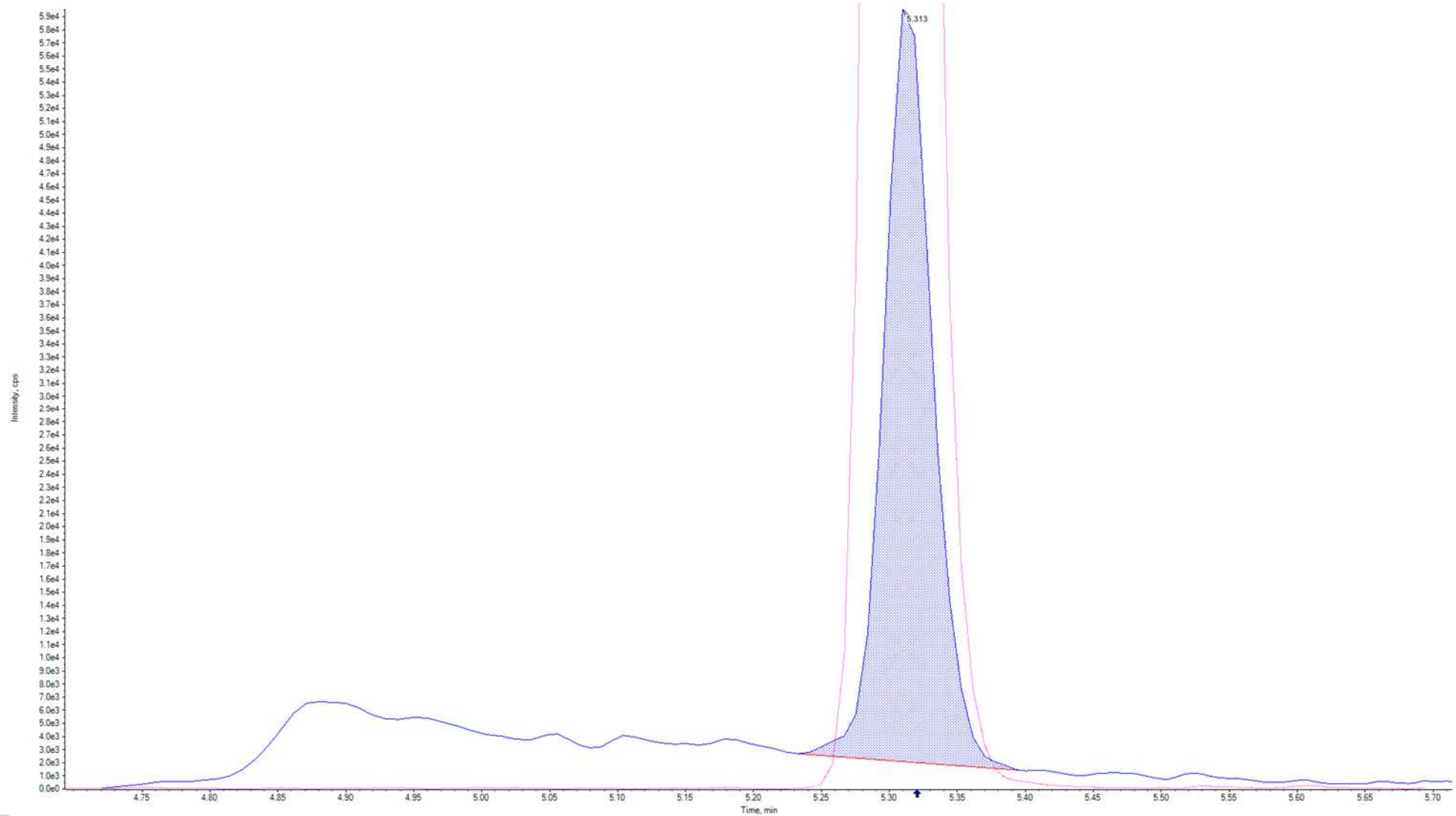
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-.5 S/N:1206.6 Points Across peak:18



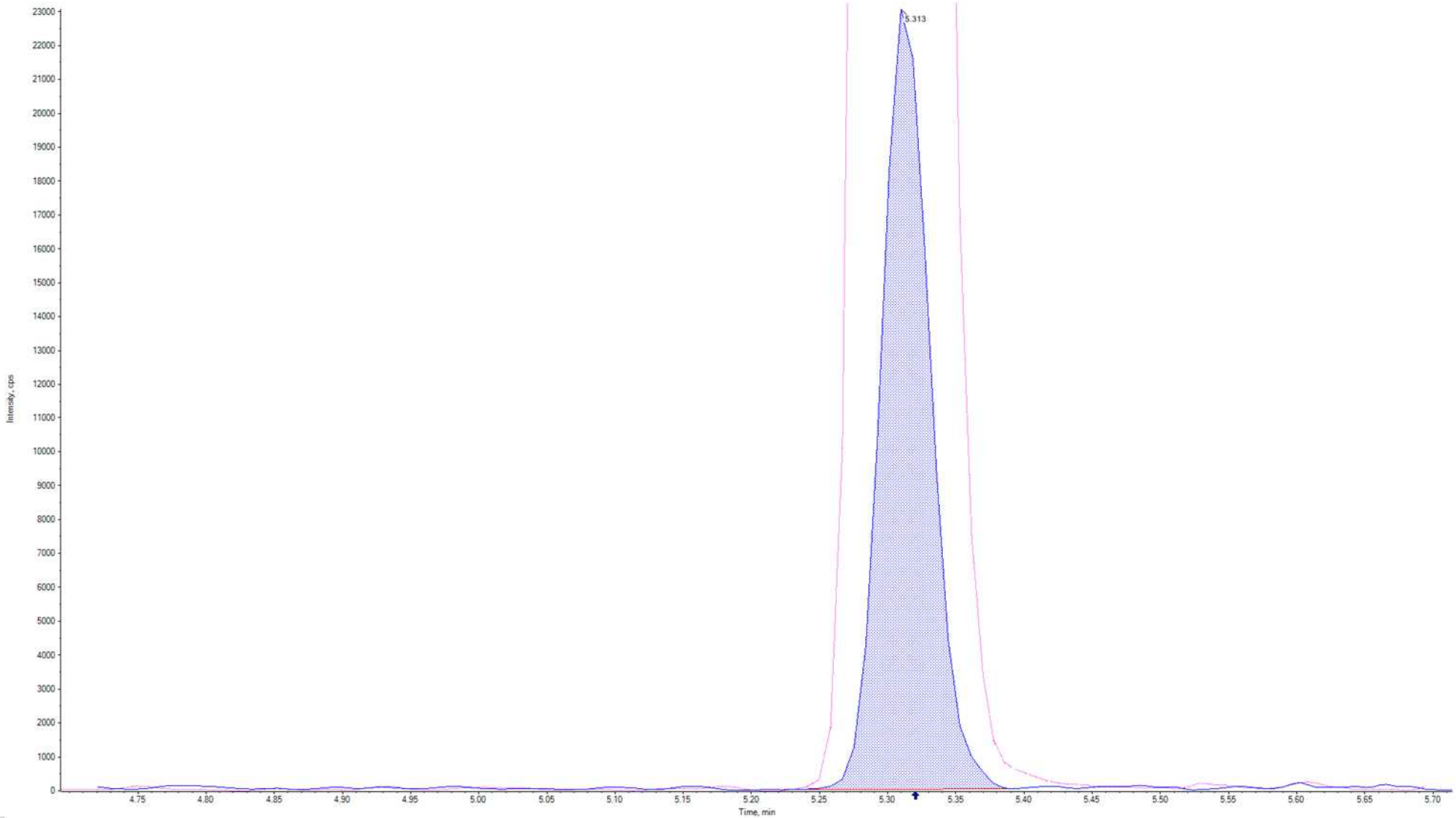
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-.5 S/N:71.8 Points Across peak:21



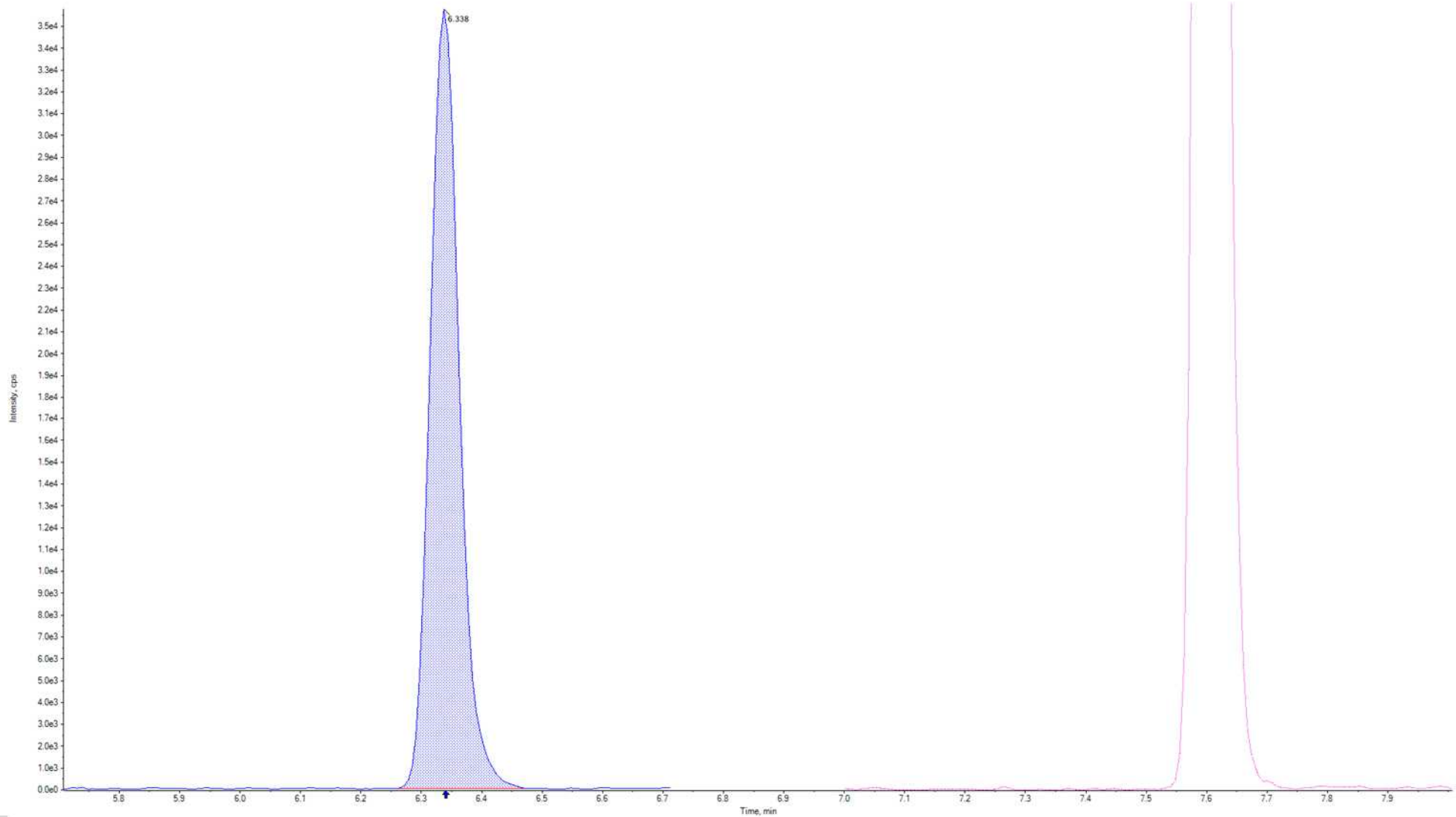
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-.5 S/N:1370.9 Points Across peak:21



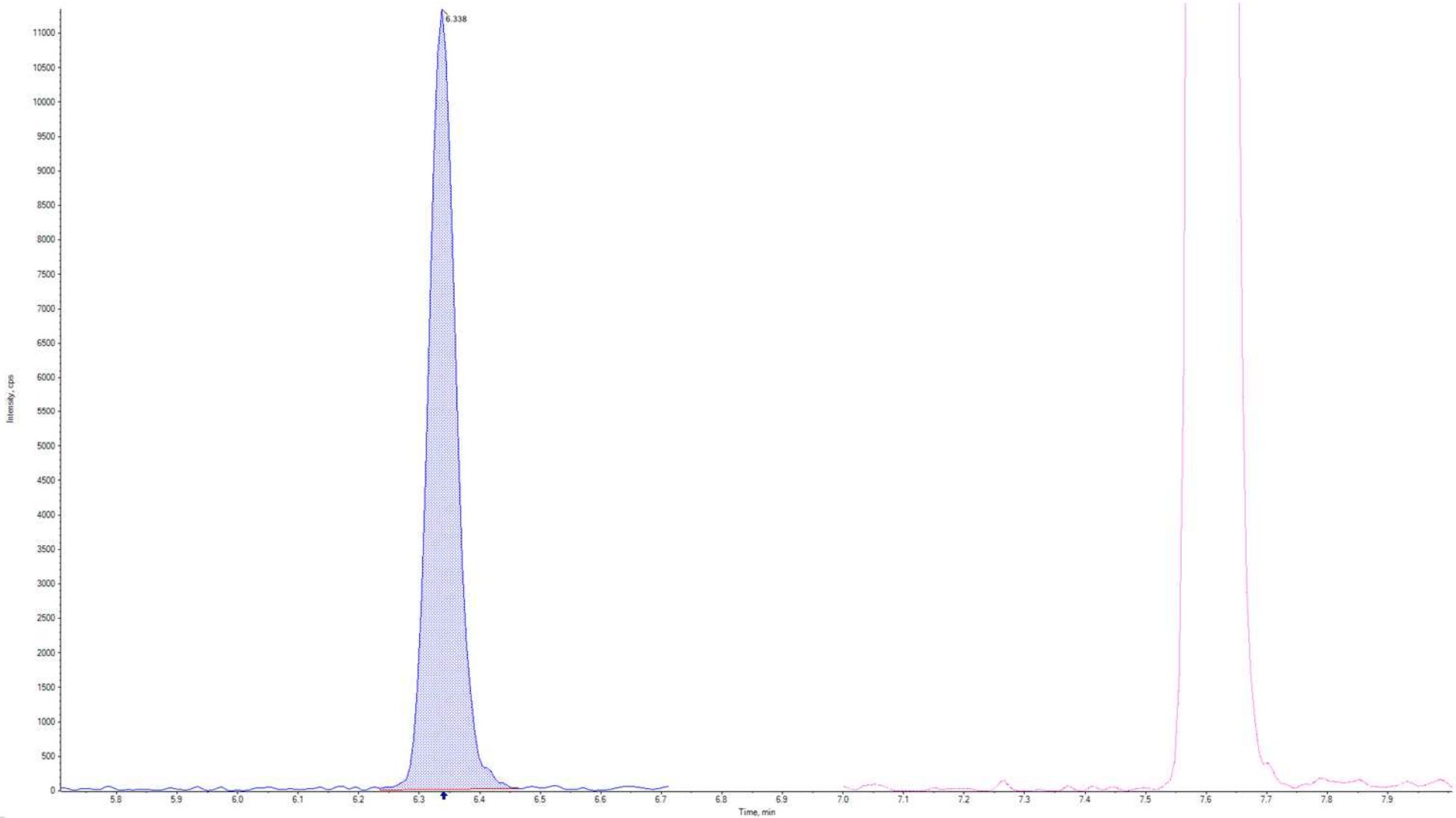
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-.5 S/N:2430.4 Points Across peak:34



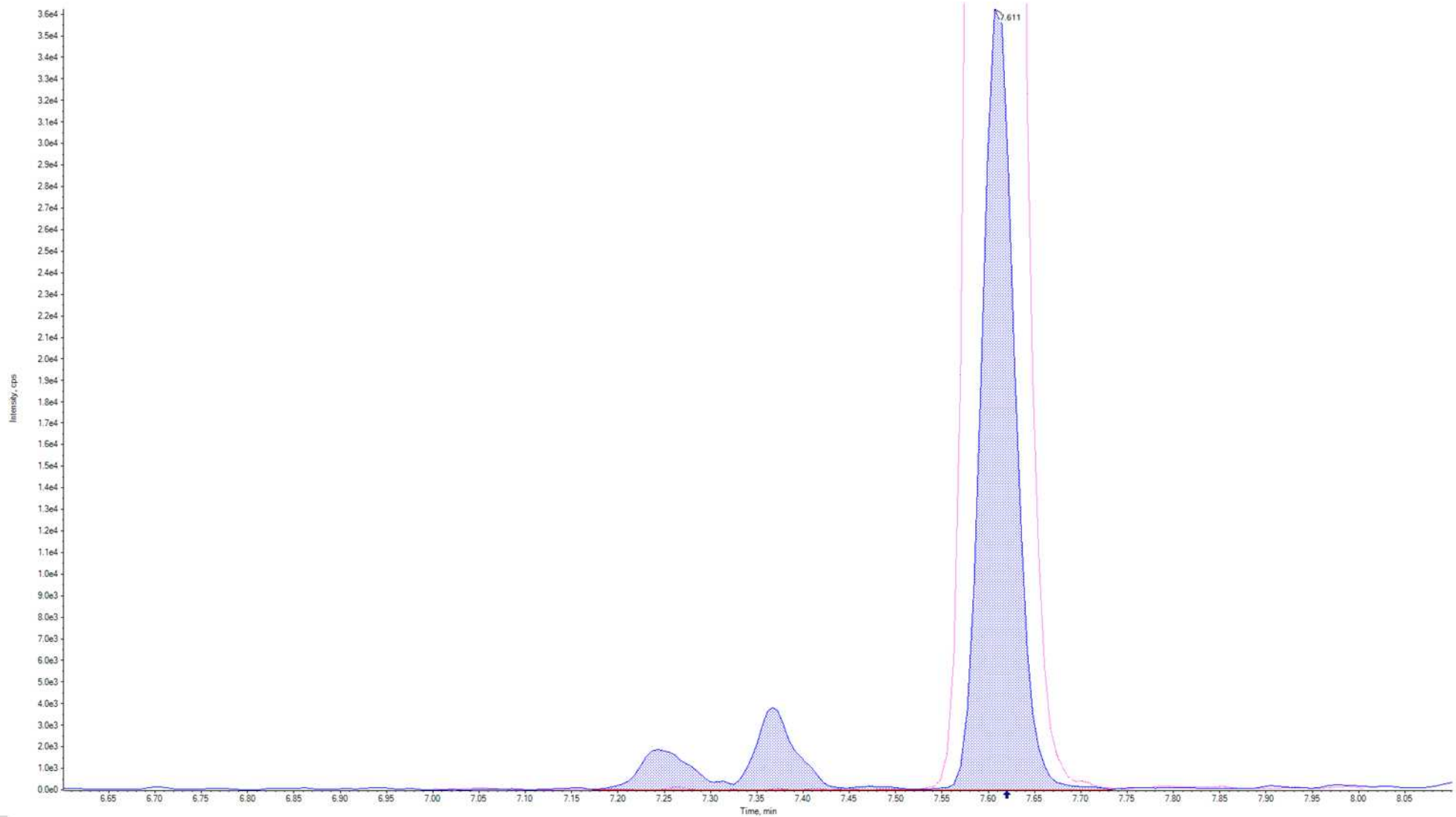
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-.5 S/N:3128.2 Points Across peak:37



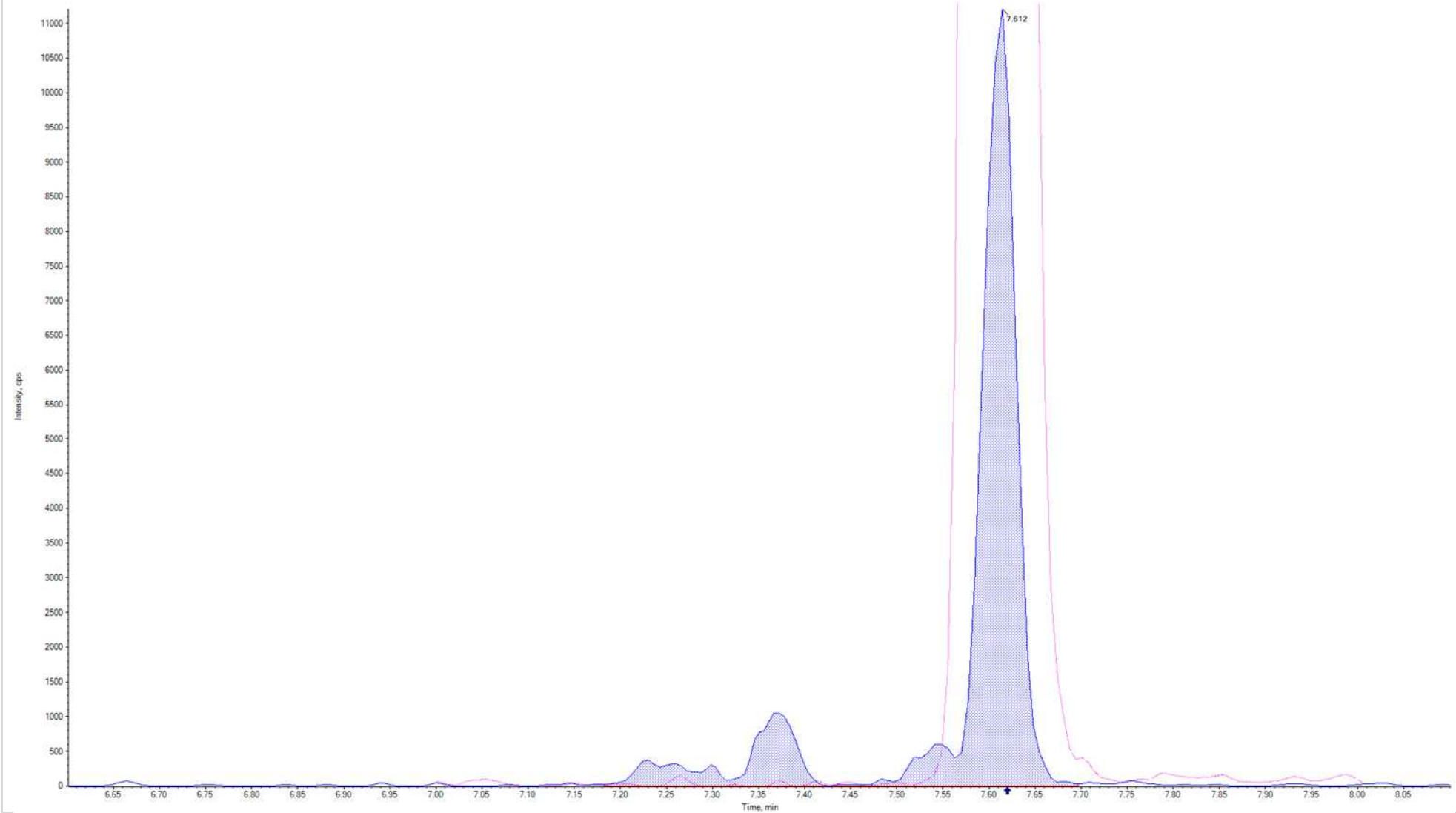
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-.5 S/N:9640.4 Points Across peak:91



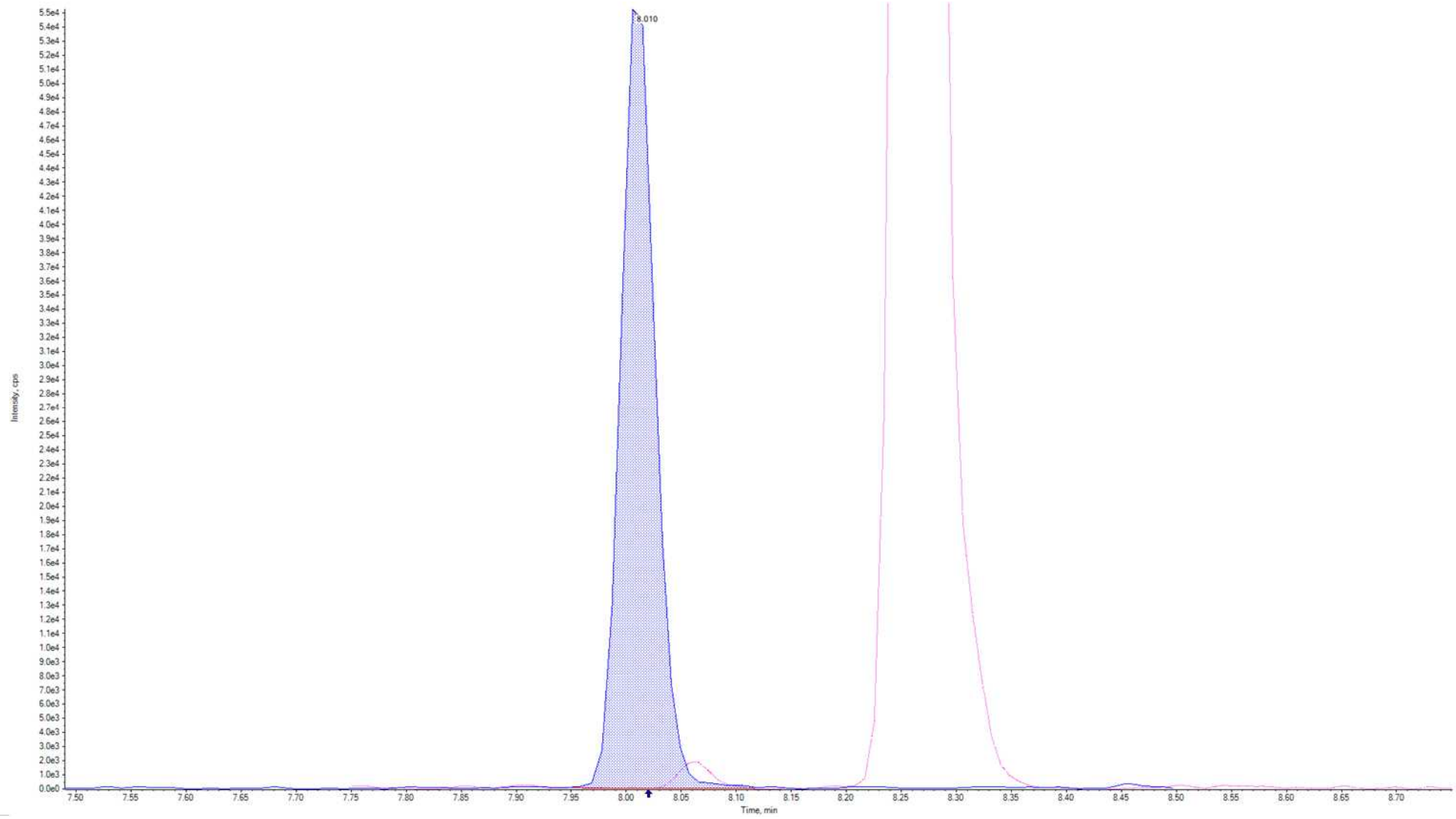
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-.5 S/N:3419231.4 Points Across peak:84



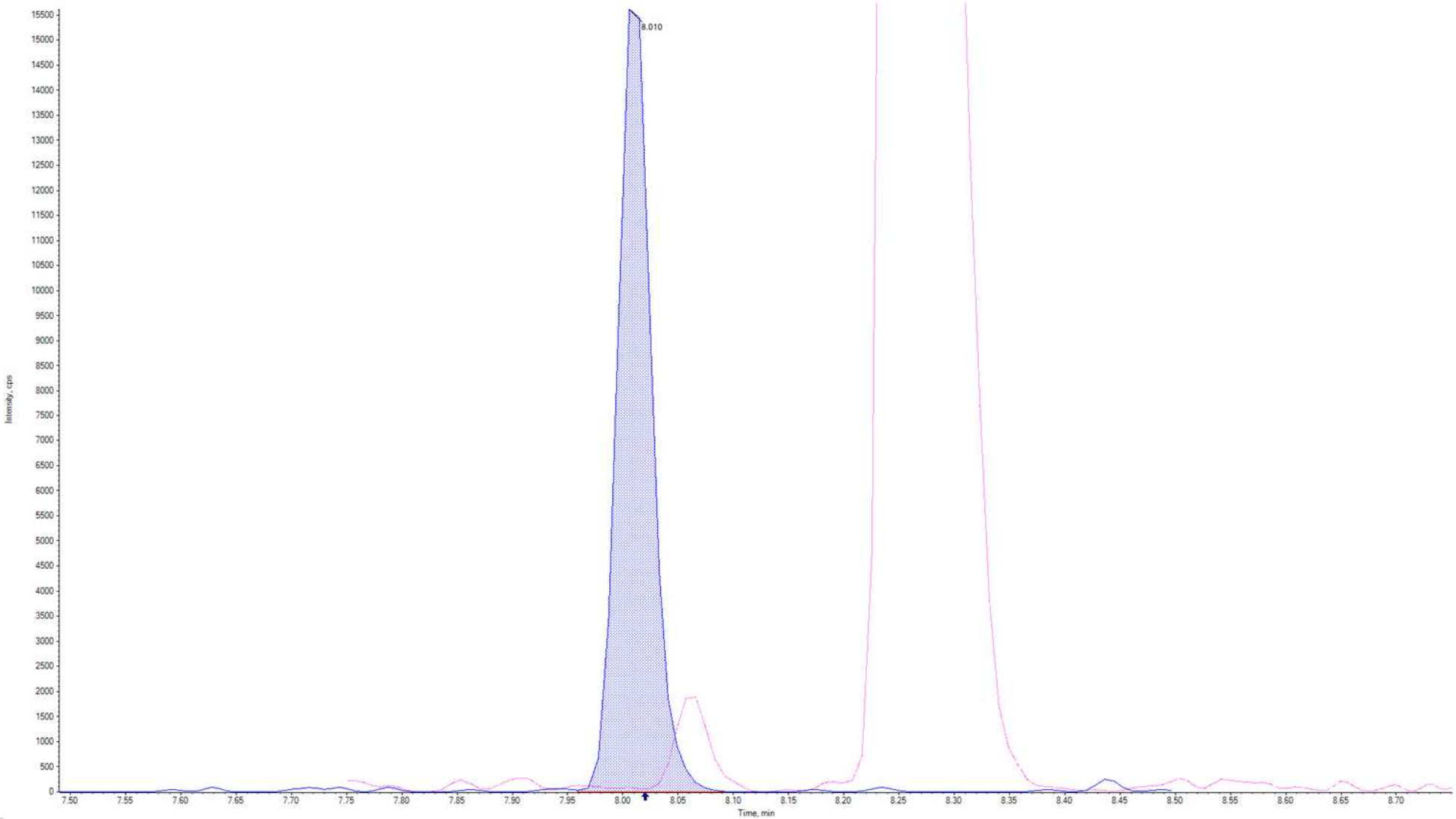
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-.5 S/N:2652.9 Points Across peak:21



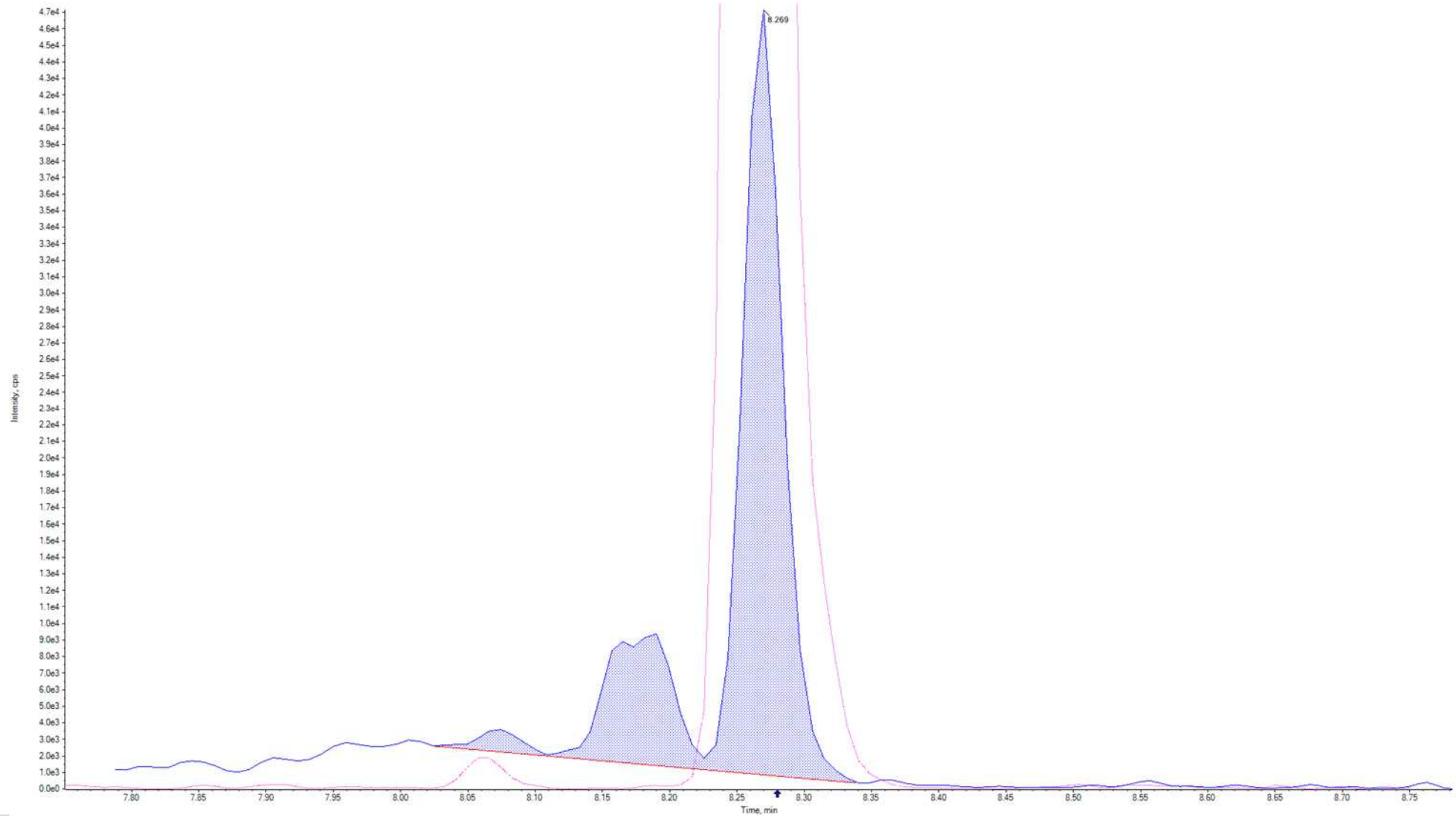
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-.5 S/N:783.3 Points Across peak:19



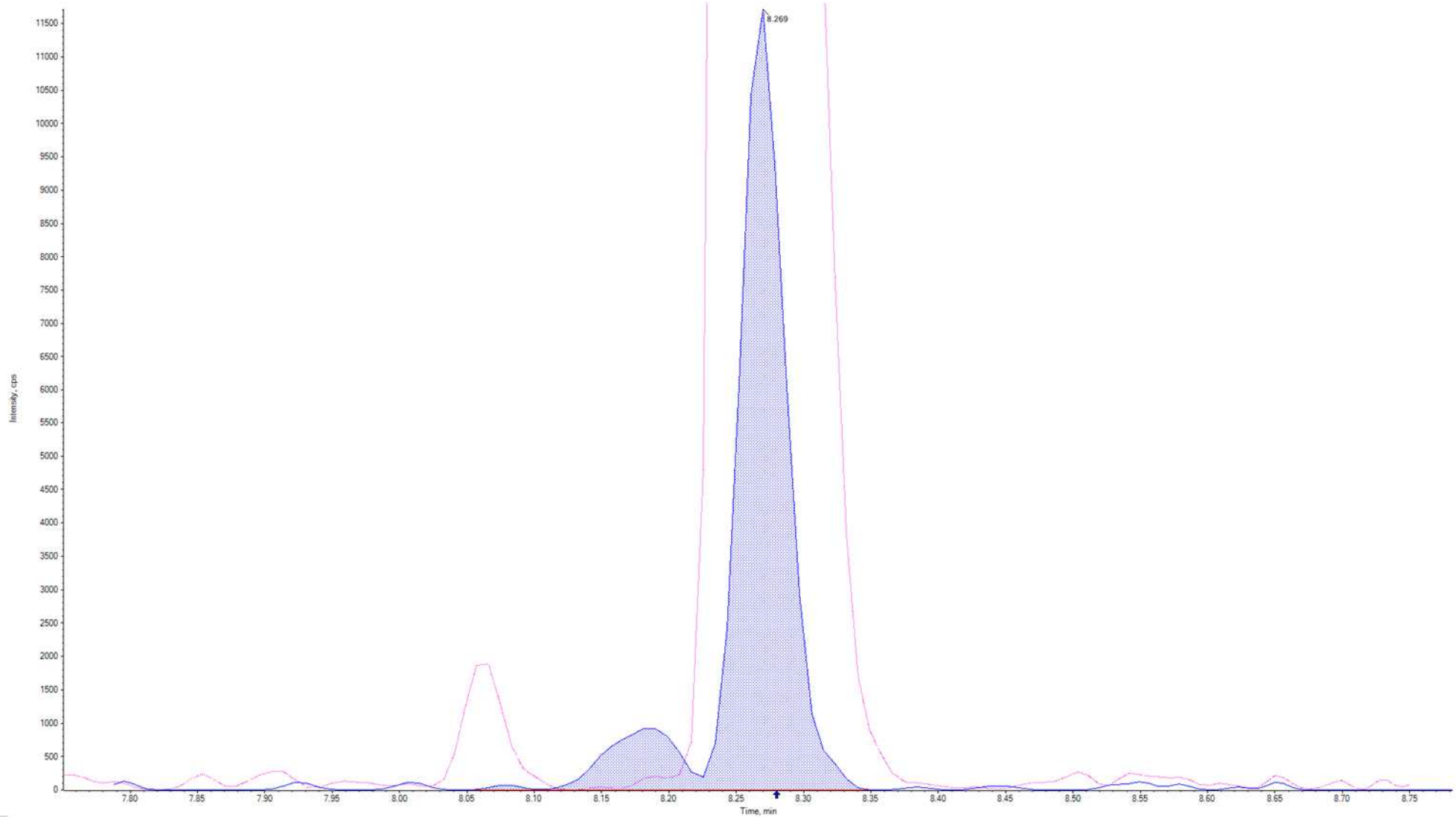
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-.5 S/N:1030.1 Points Across peak:38



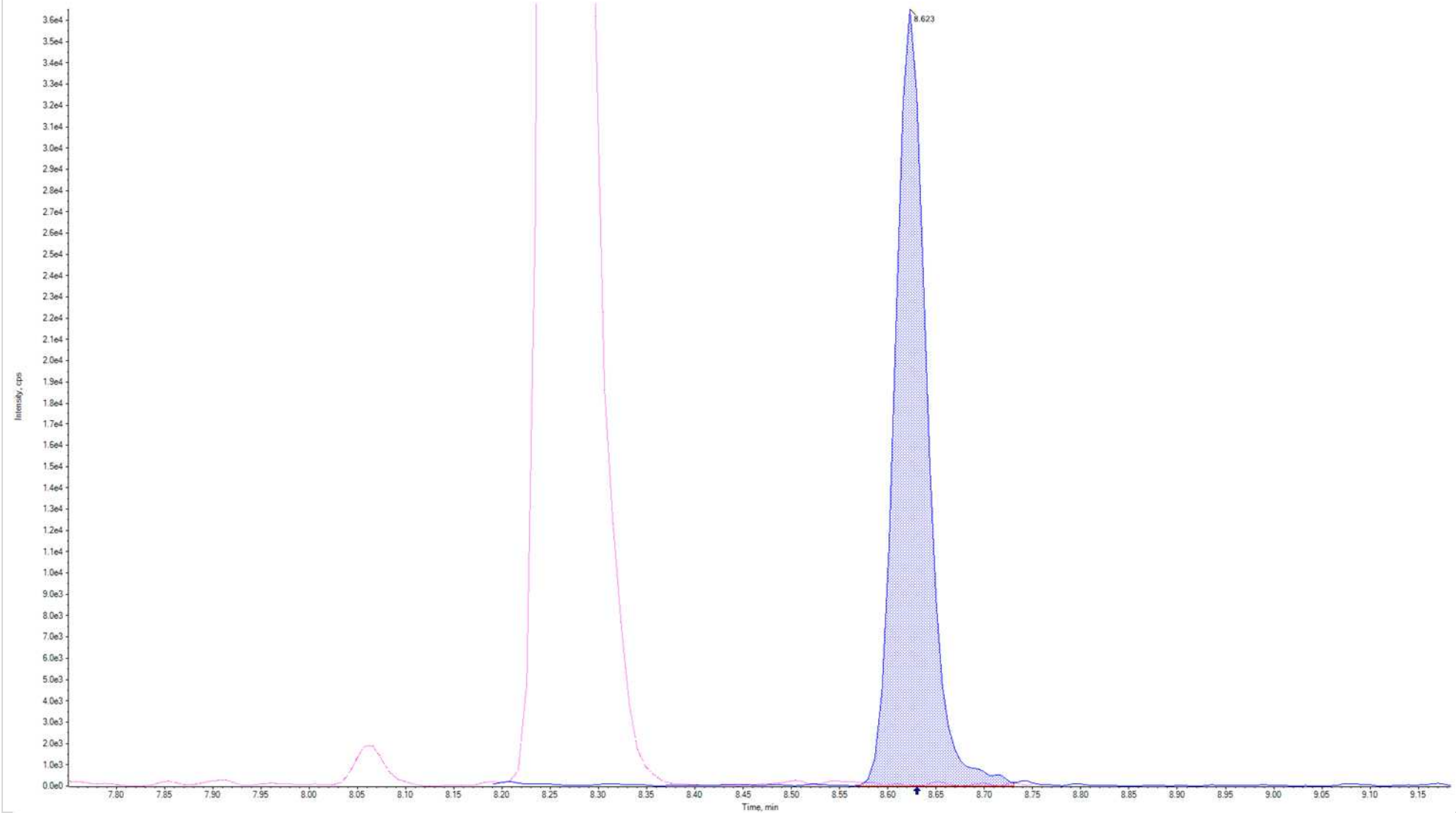
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-.5 S/N:522.8 Points Across peak:37



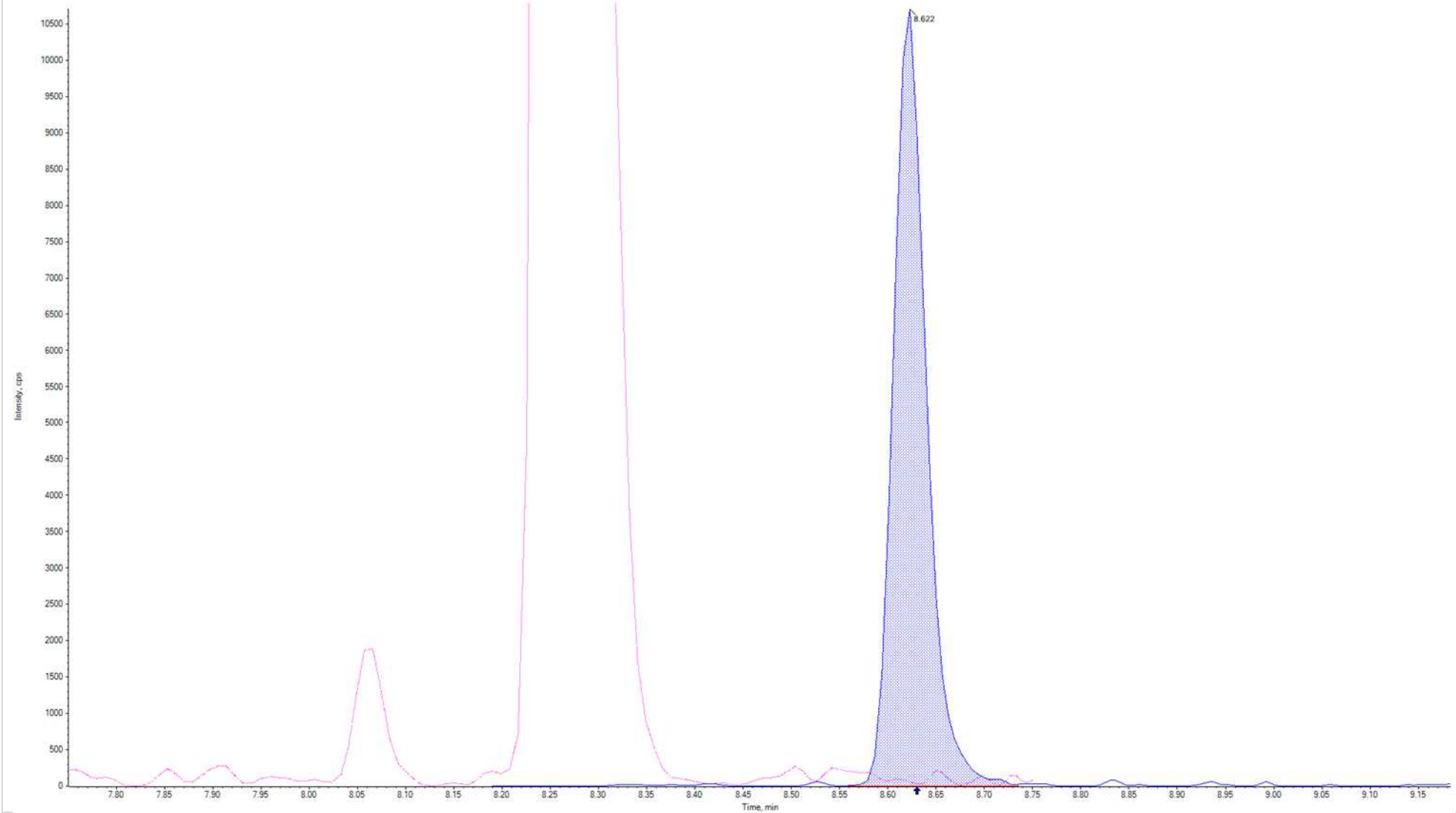
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-.5 S/N:11144.4 Points Across peak:27



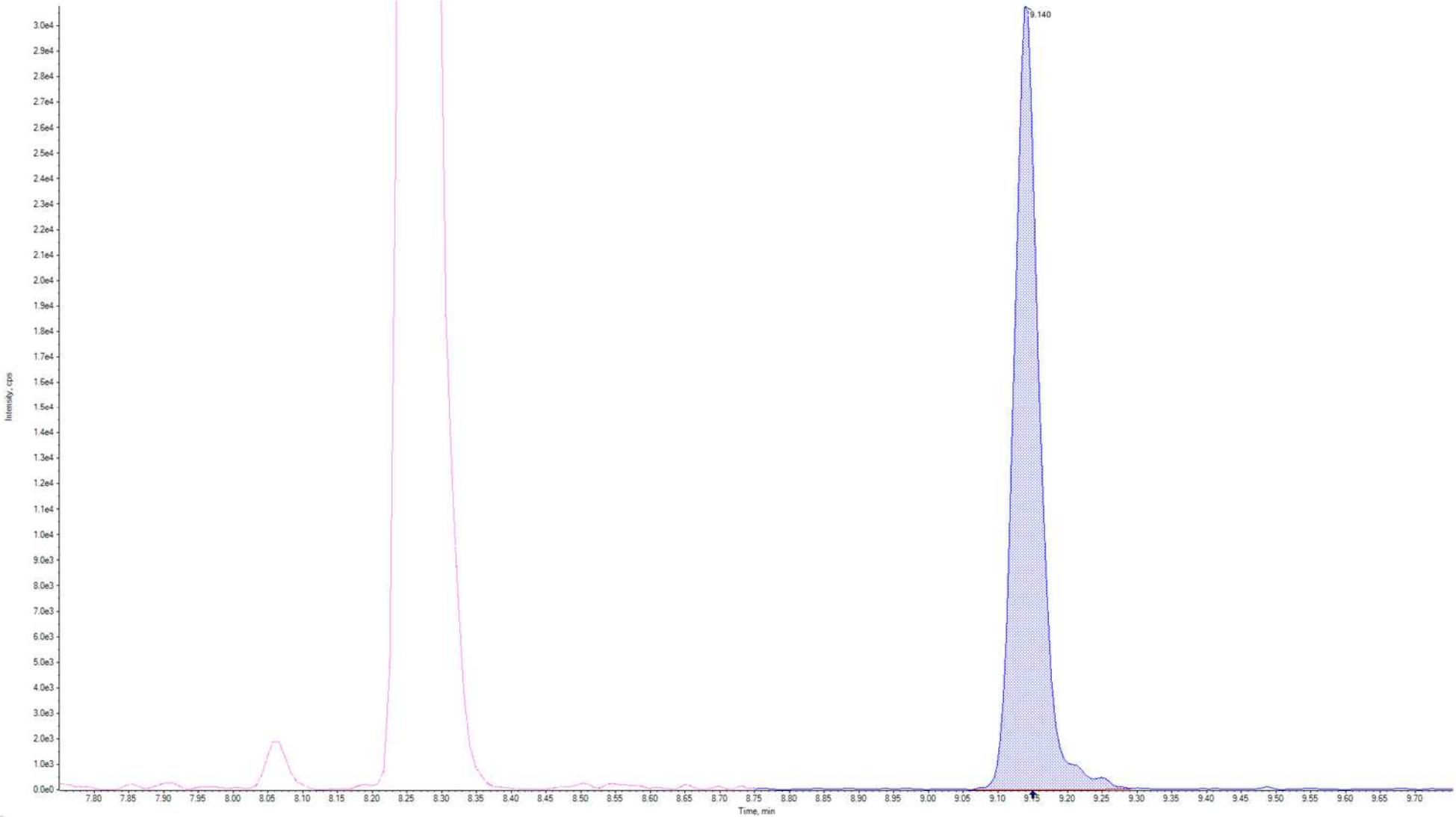
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-.5 S/N:1154.6 Points Across peak:30



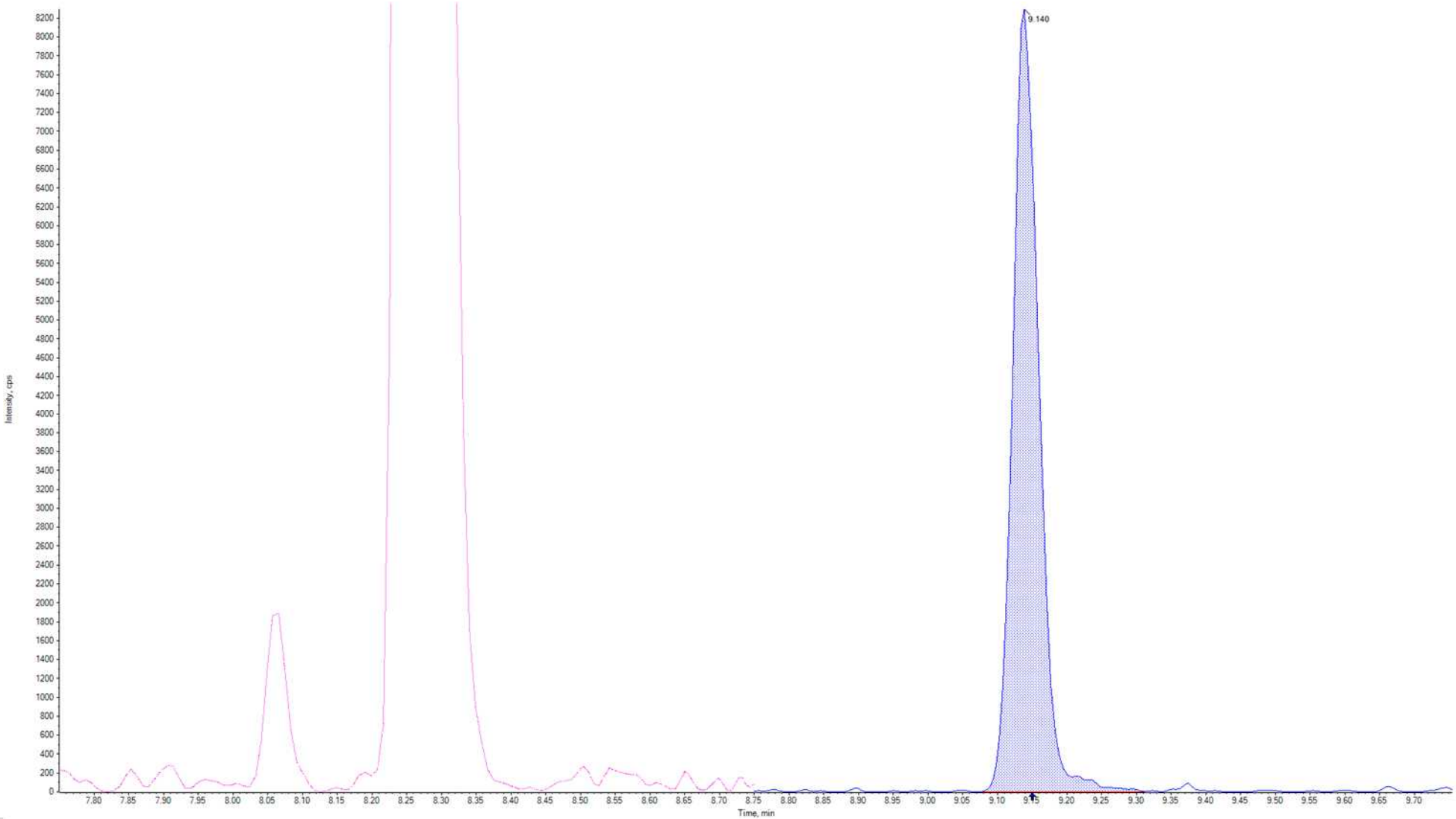
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-.5 S/N:7343.5 Points Across peak:45



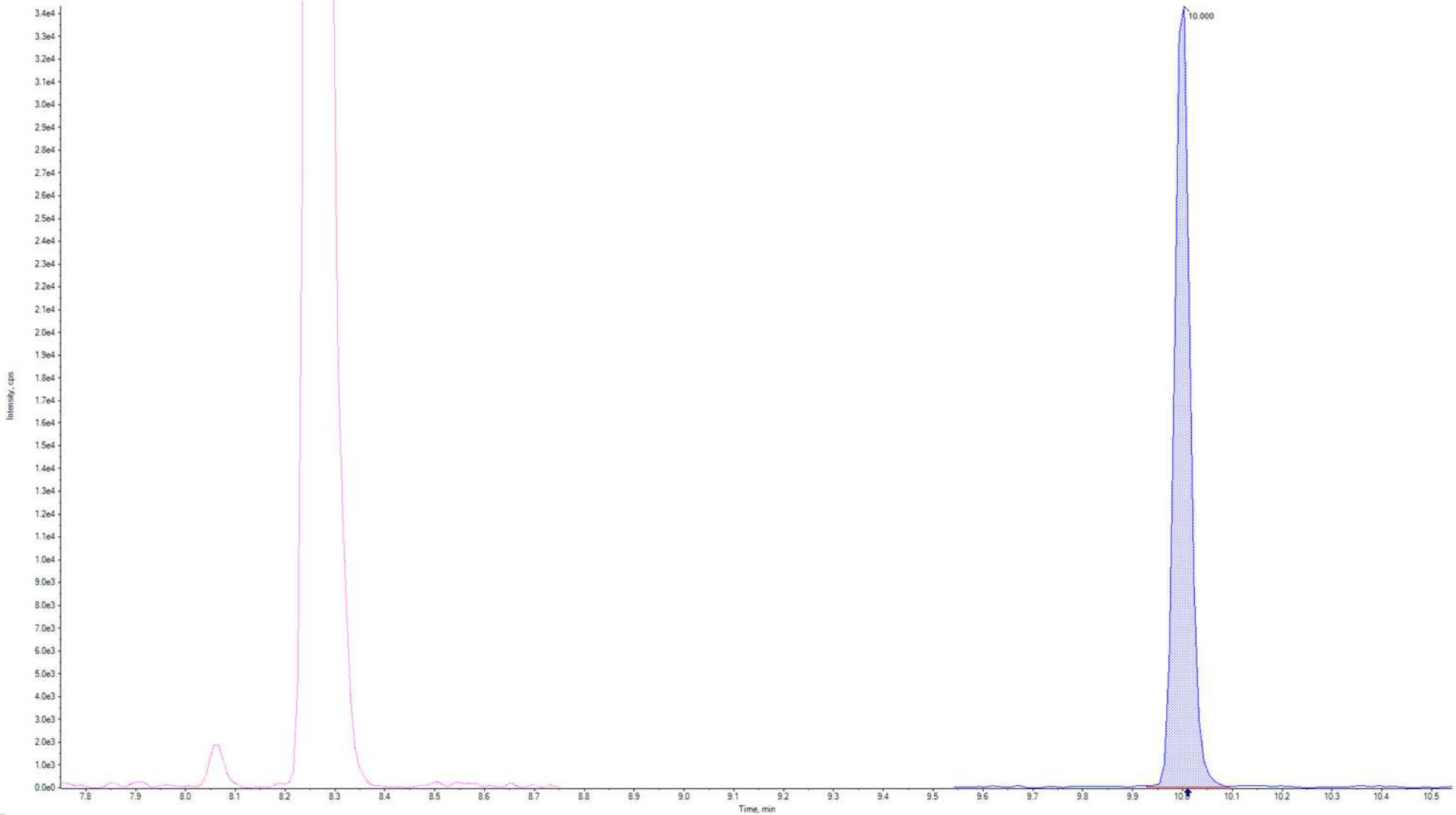
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-.5 S/N:565731.9 Points Across peak:46



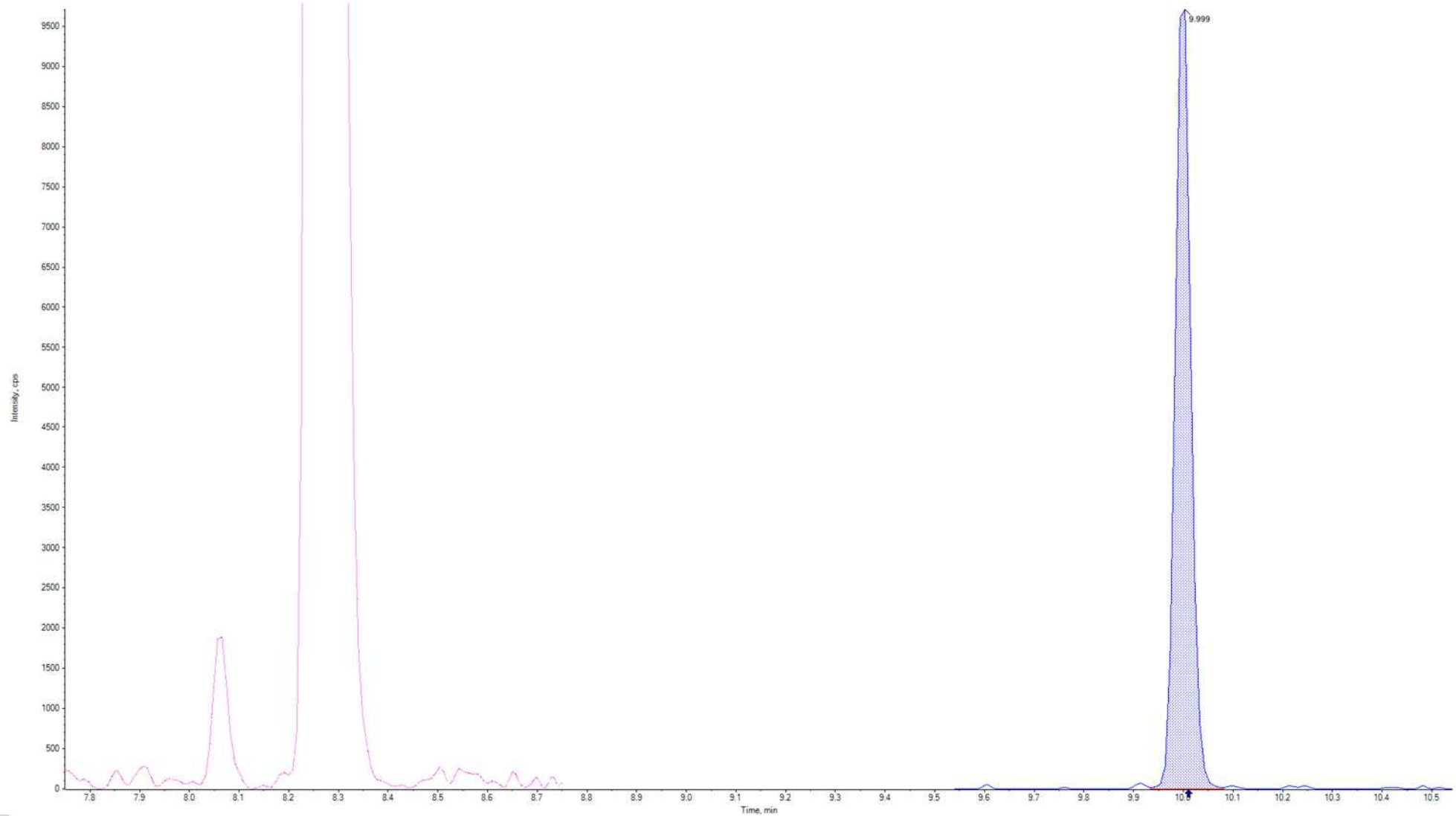
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-.5 S/N:6785.0 Points Across peak:19



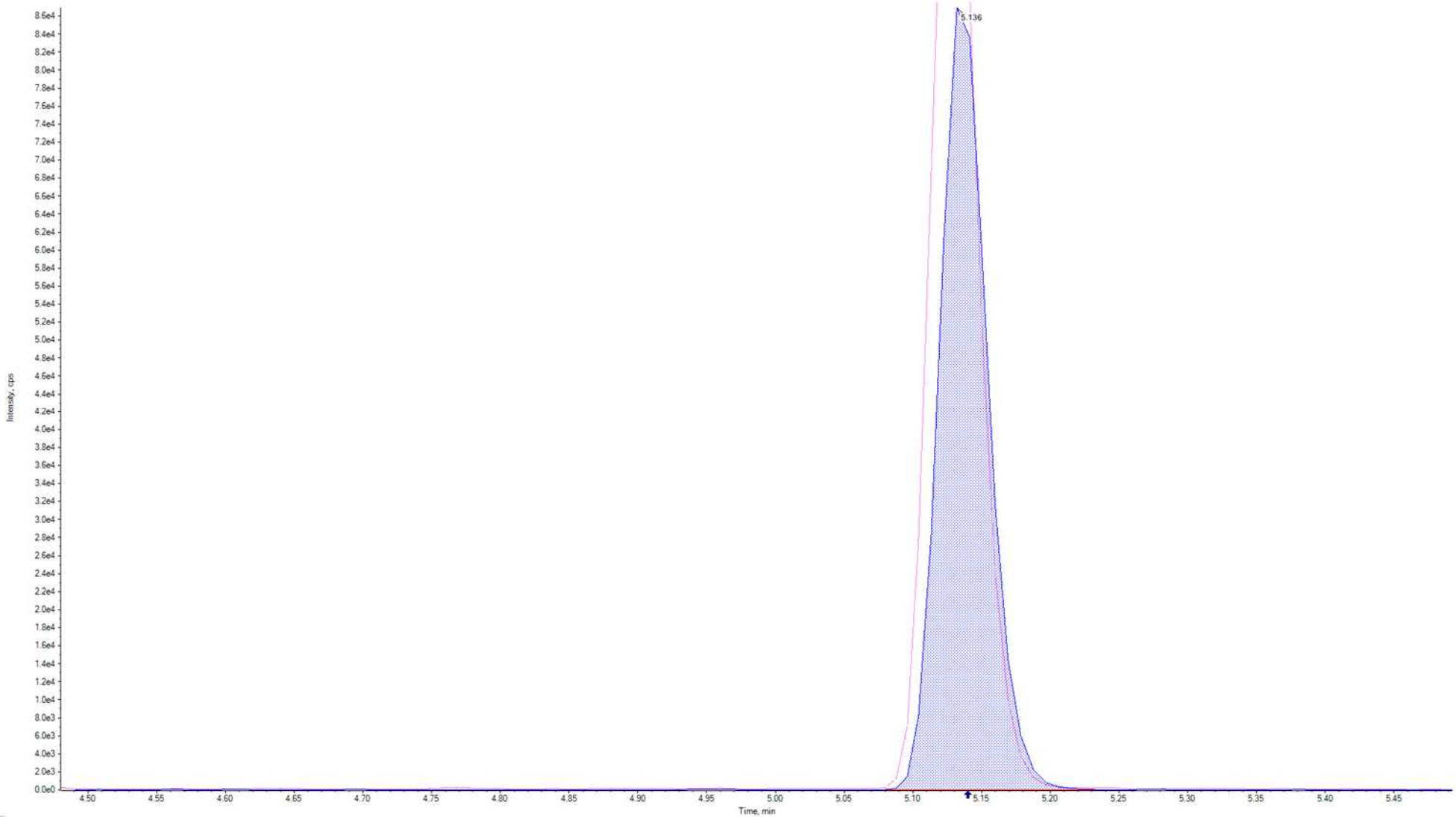
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-.5 S/N:1486.6 Points Across peak:17



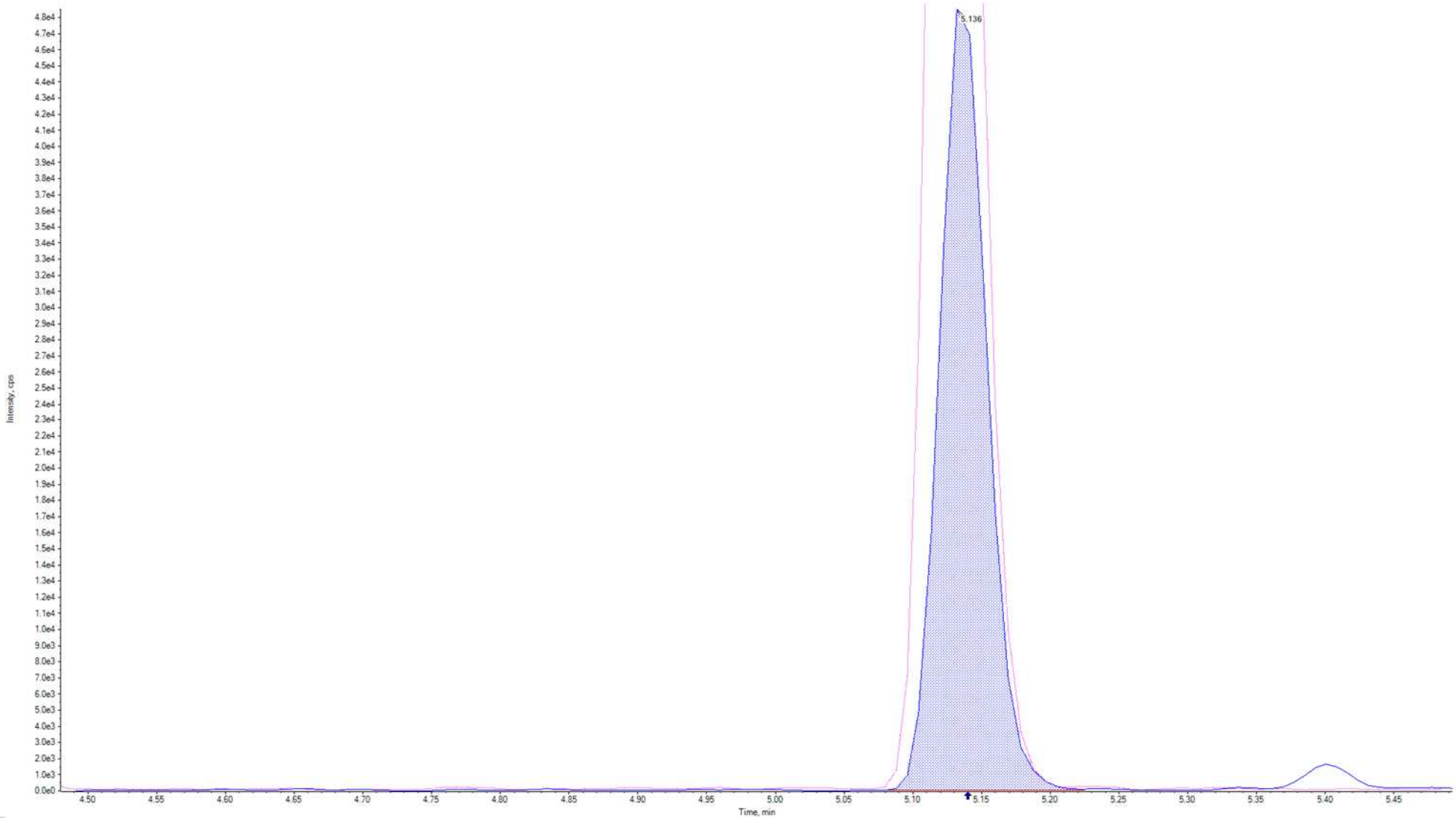
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-.5 S/N:1806.0 Points Across peak:22



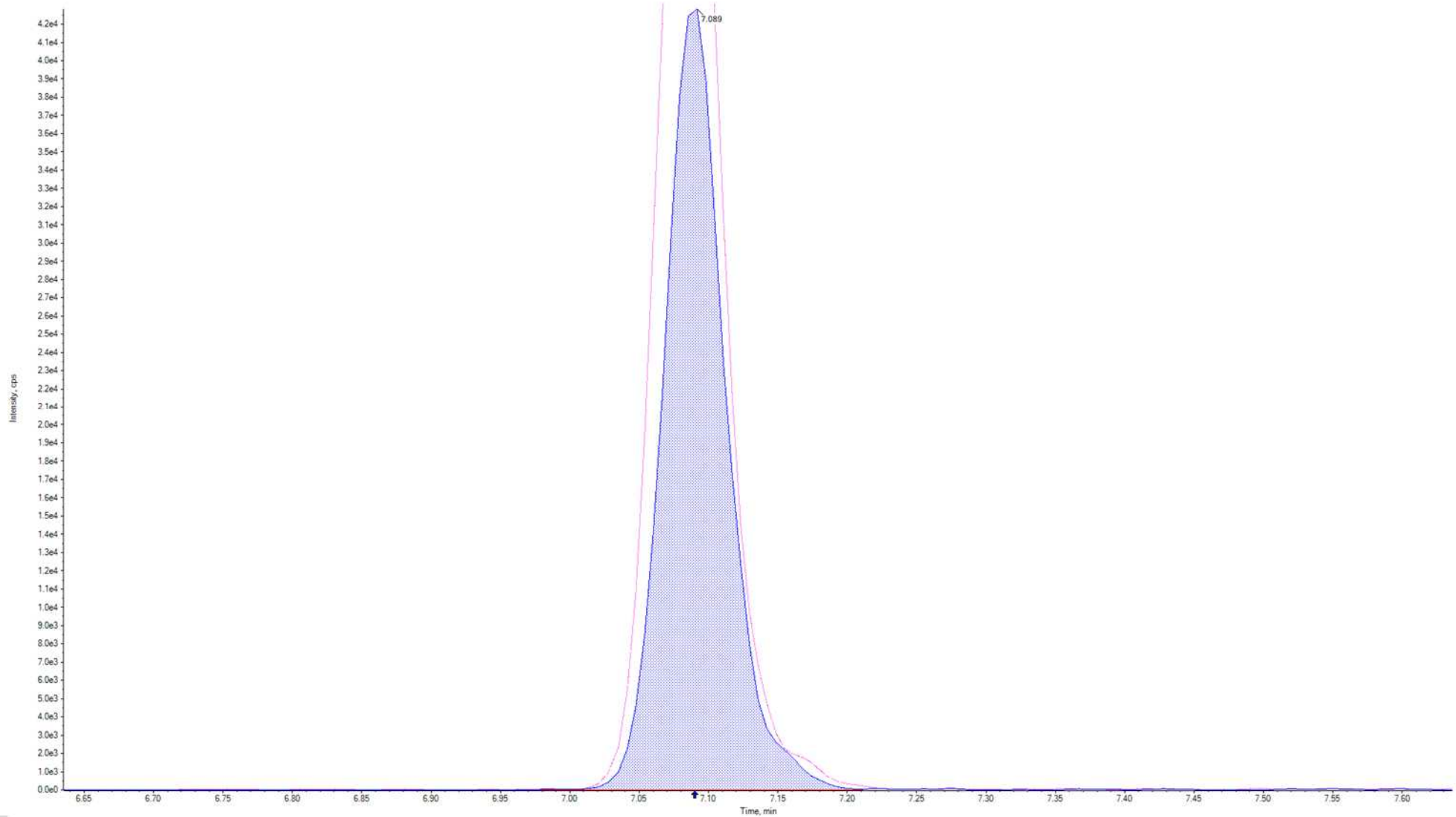
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-.5 S/N:2485.1 Points Across peak:19



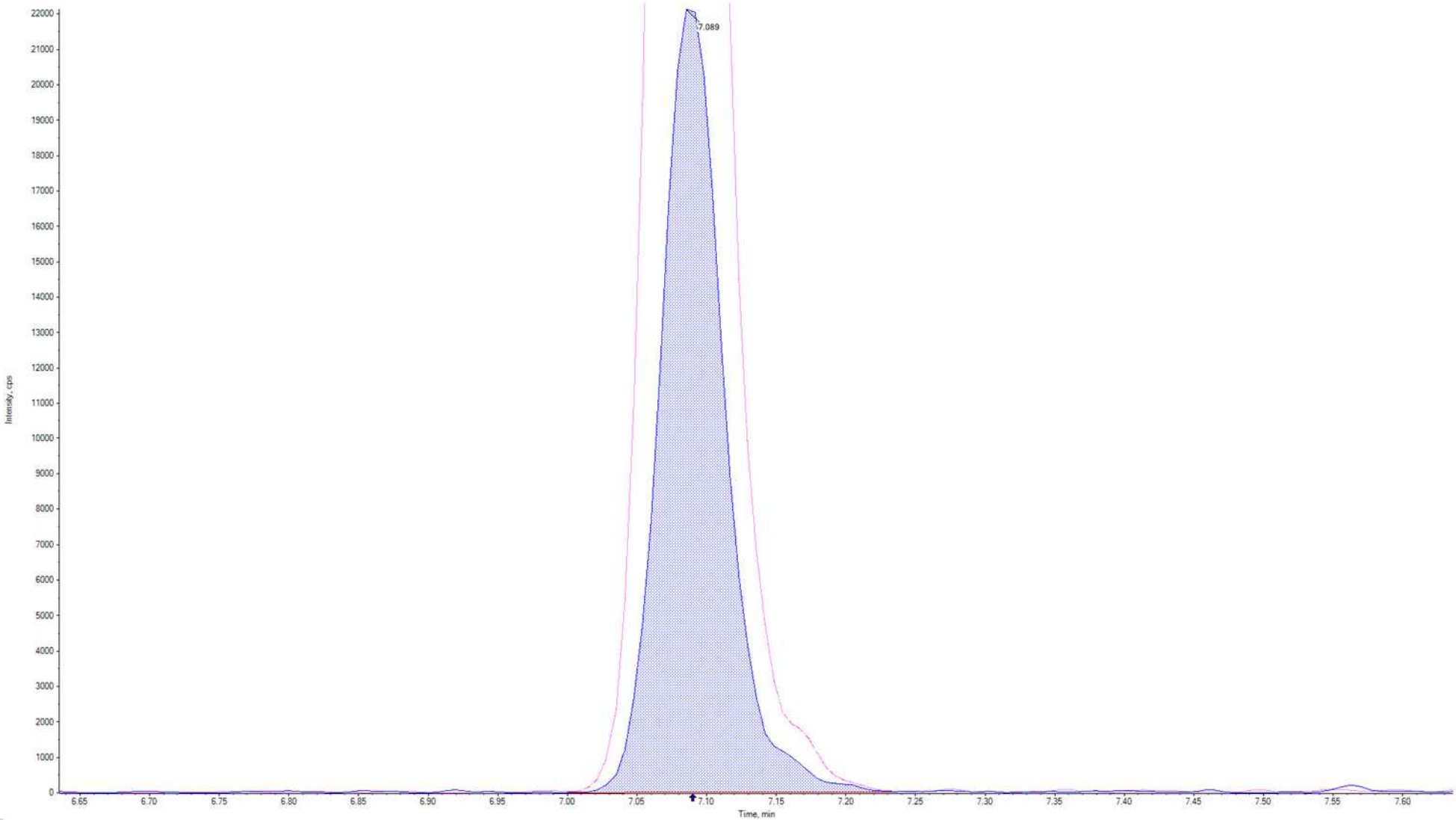
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-.5 S/N:2074.8 Points Across peak:40



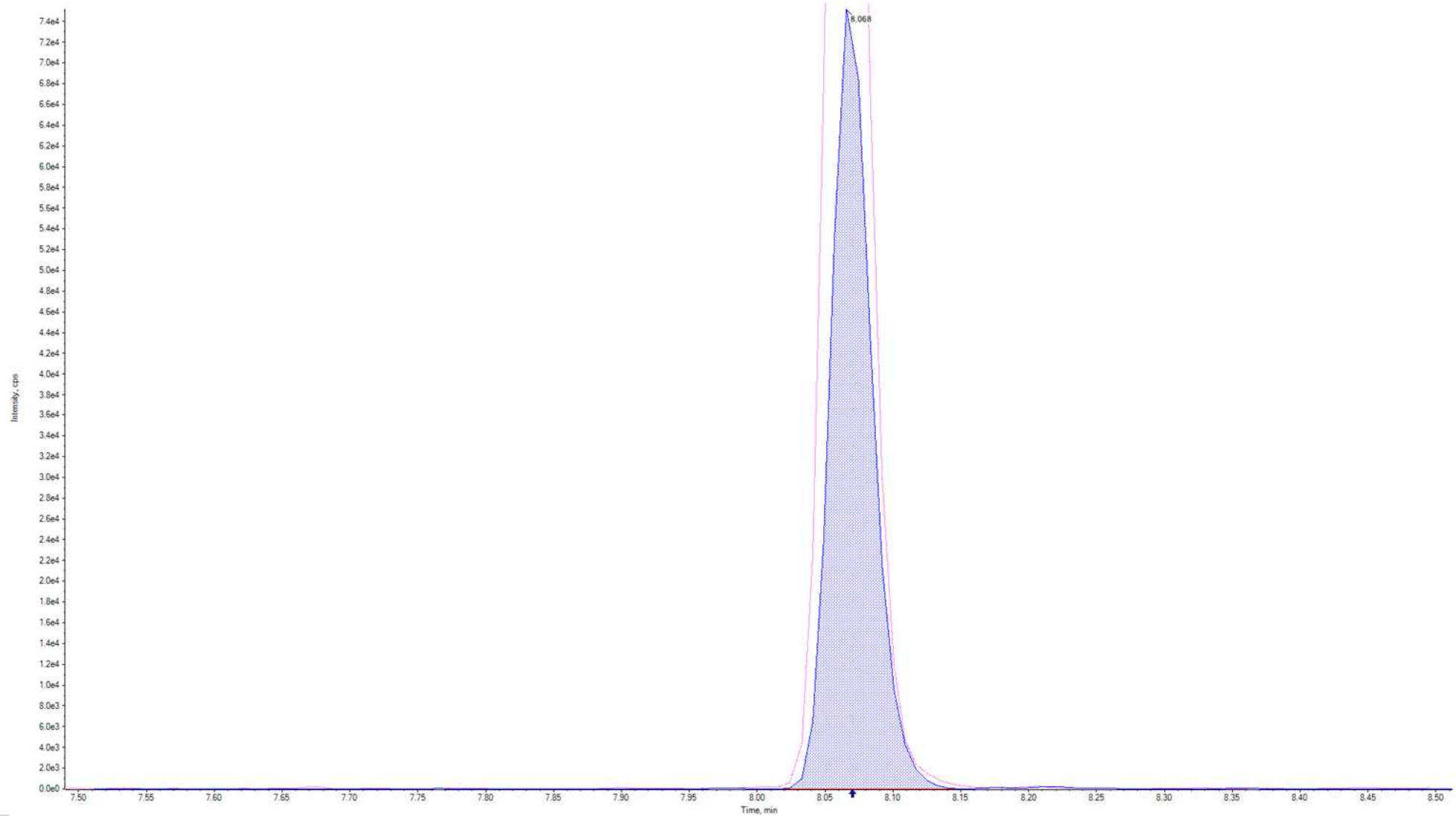
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-.5 S/N:13560.3 Points Across peak:39



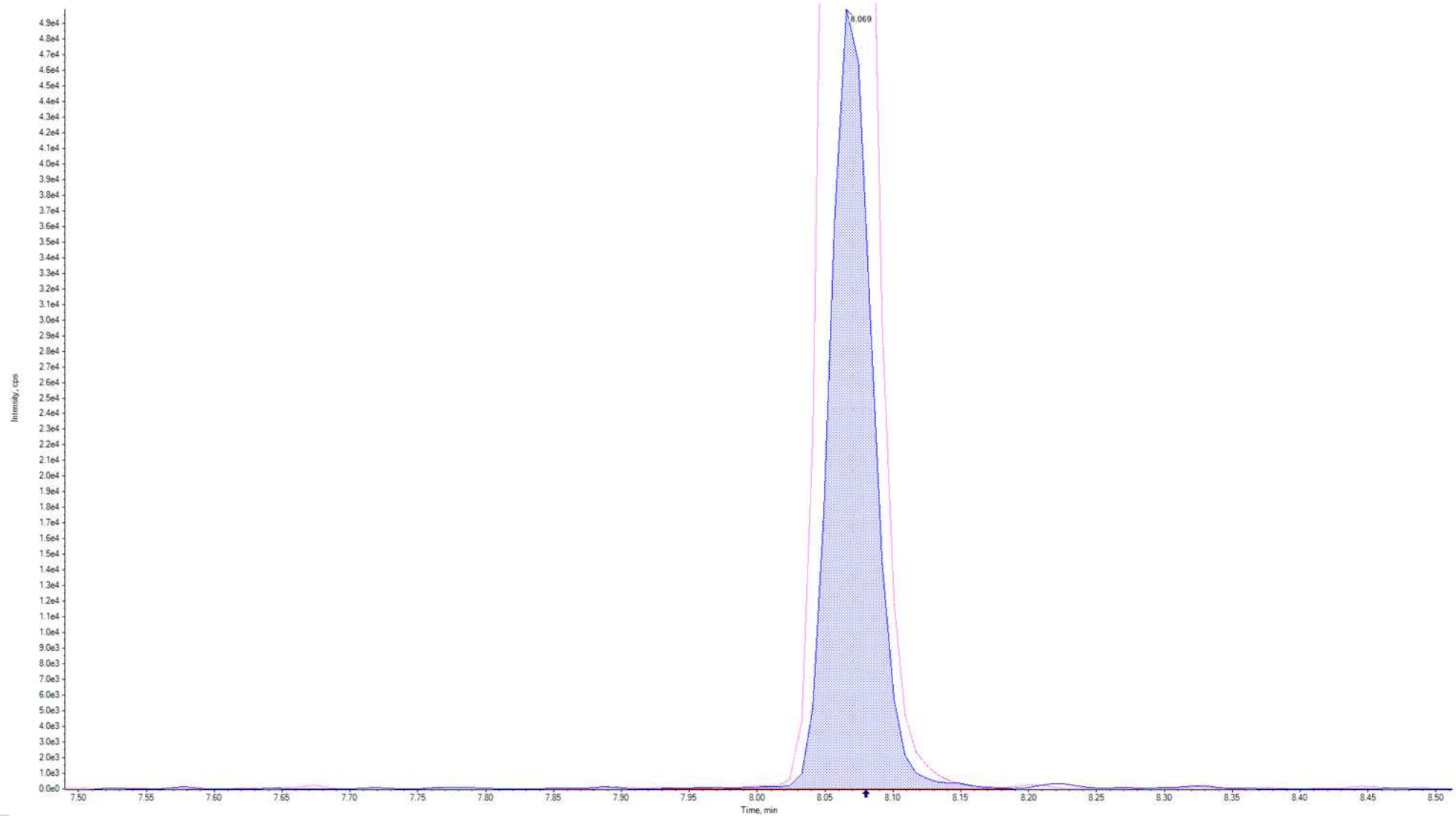
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-.5 S/N:370097.1 Points Across peak:18



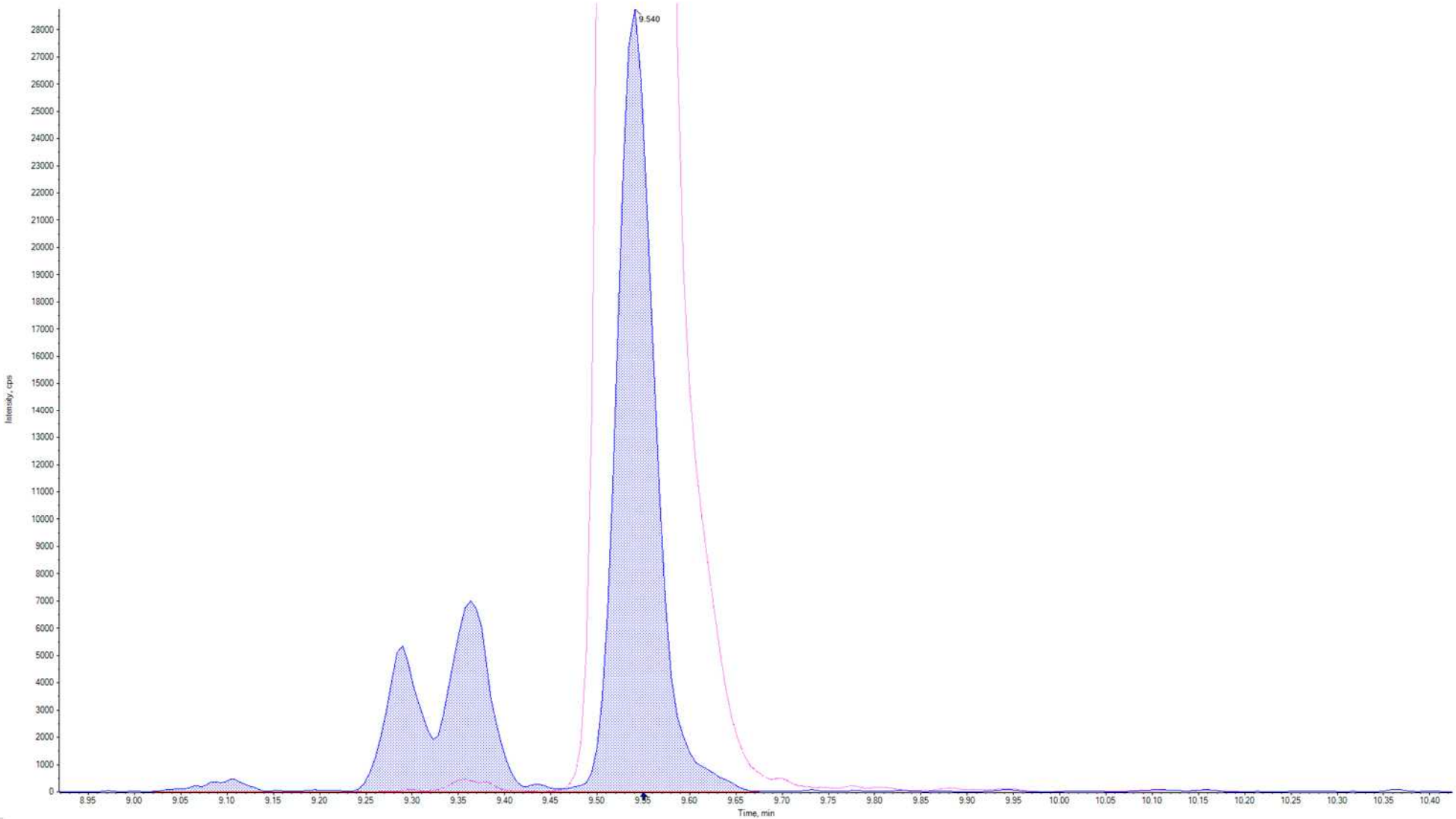
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-.5 S/N:7875084.0 Points Across peak:33



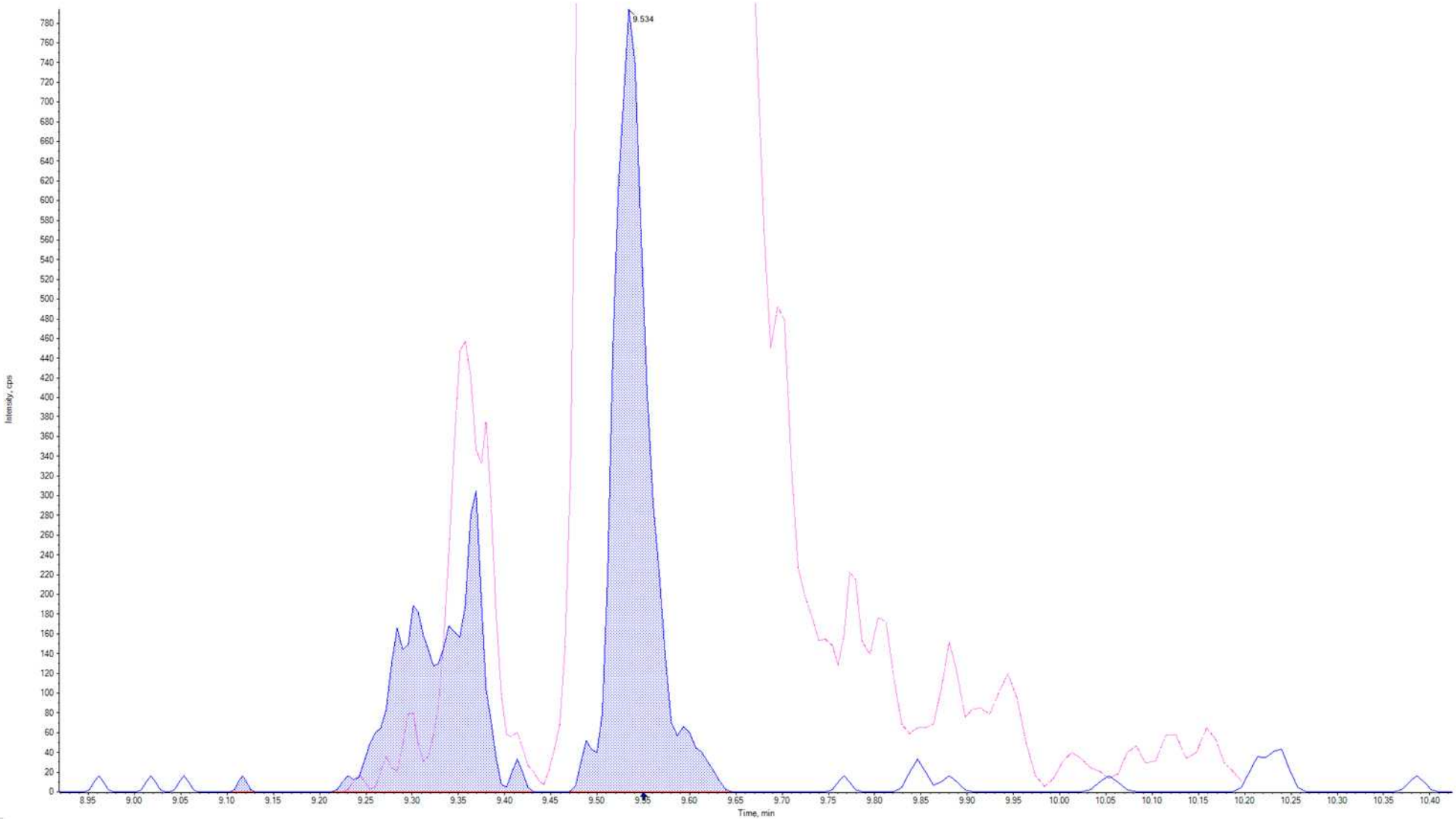
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-.5 S/N:872.1 Points Across peak:119



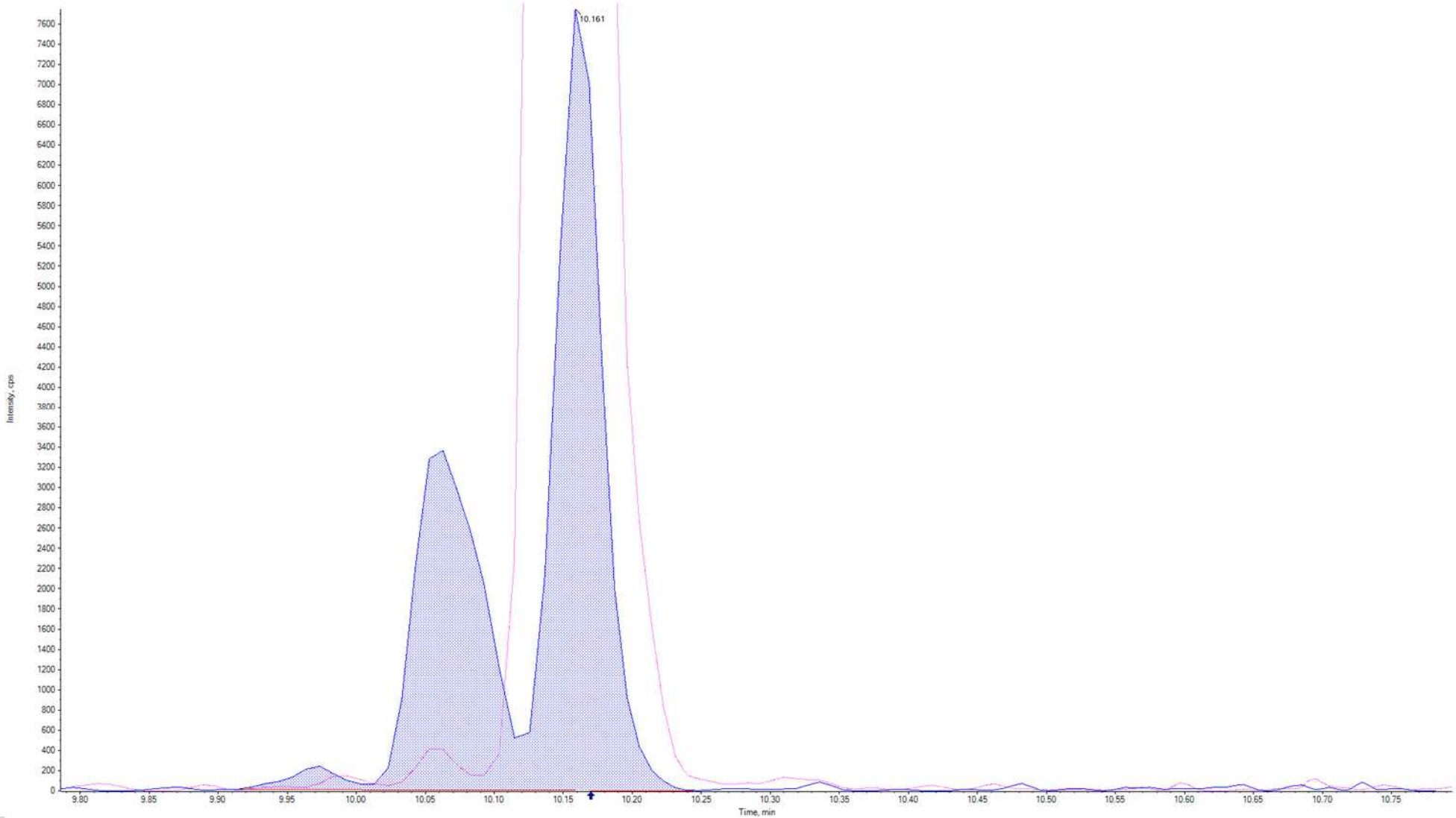
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-.5 S/N:379.9 Points Across peak:97



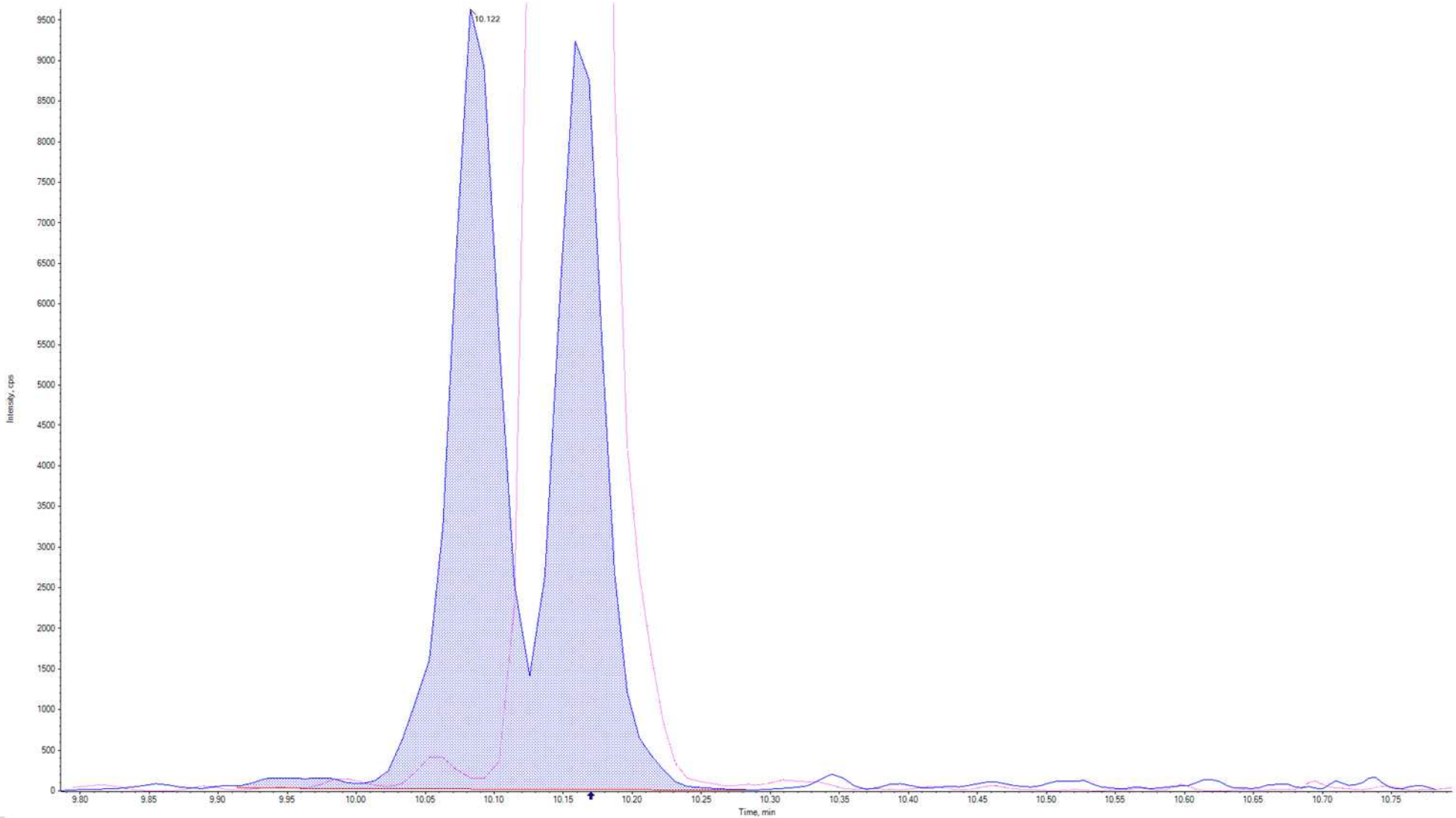
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-.5 S/N:23429.5 Points Across peak:36



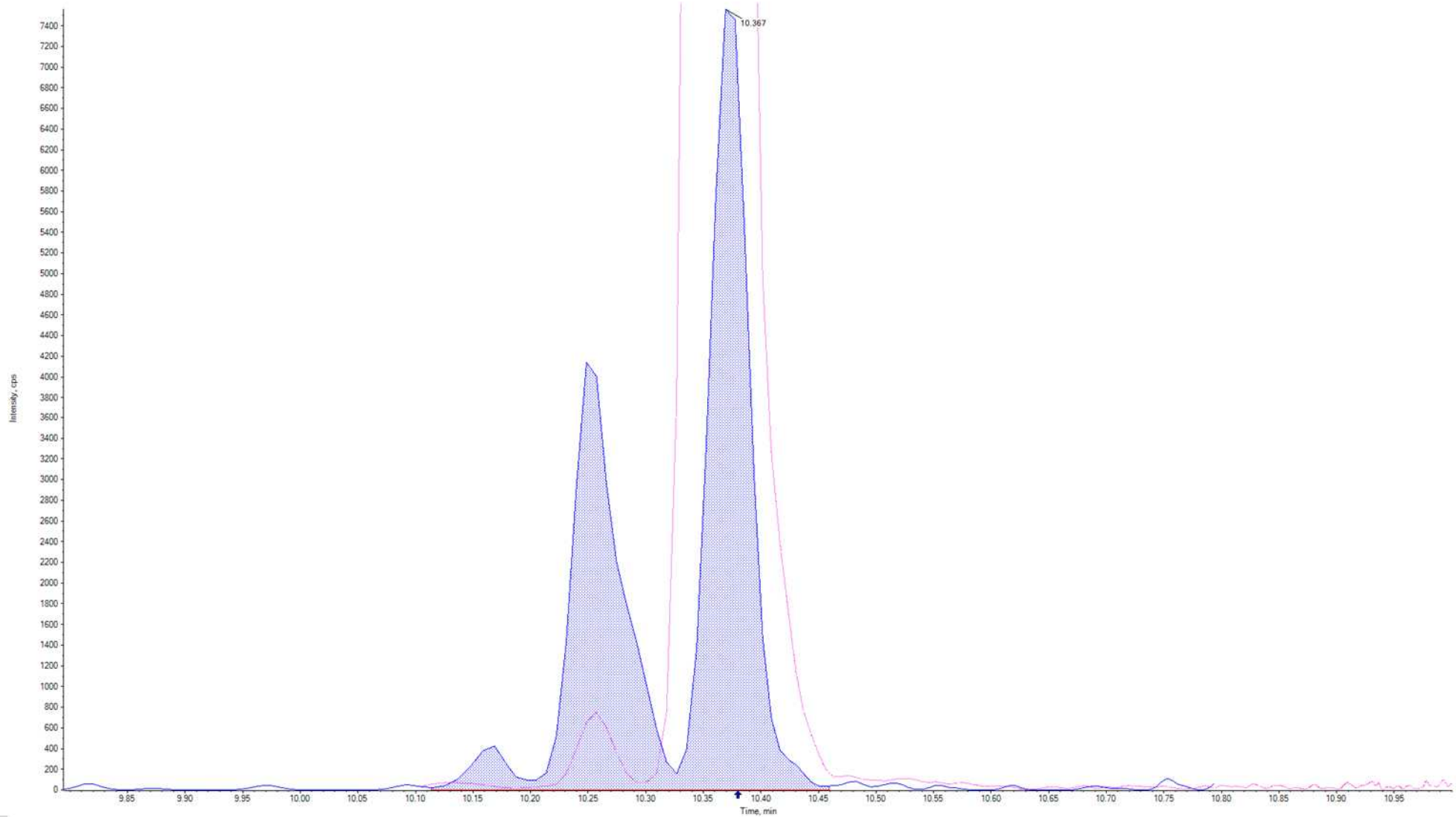
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-.5 S/N:571.6 Points Across peak:41



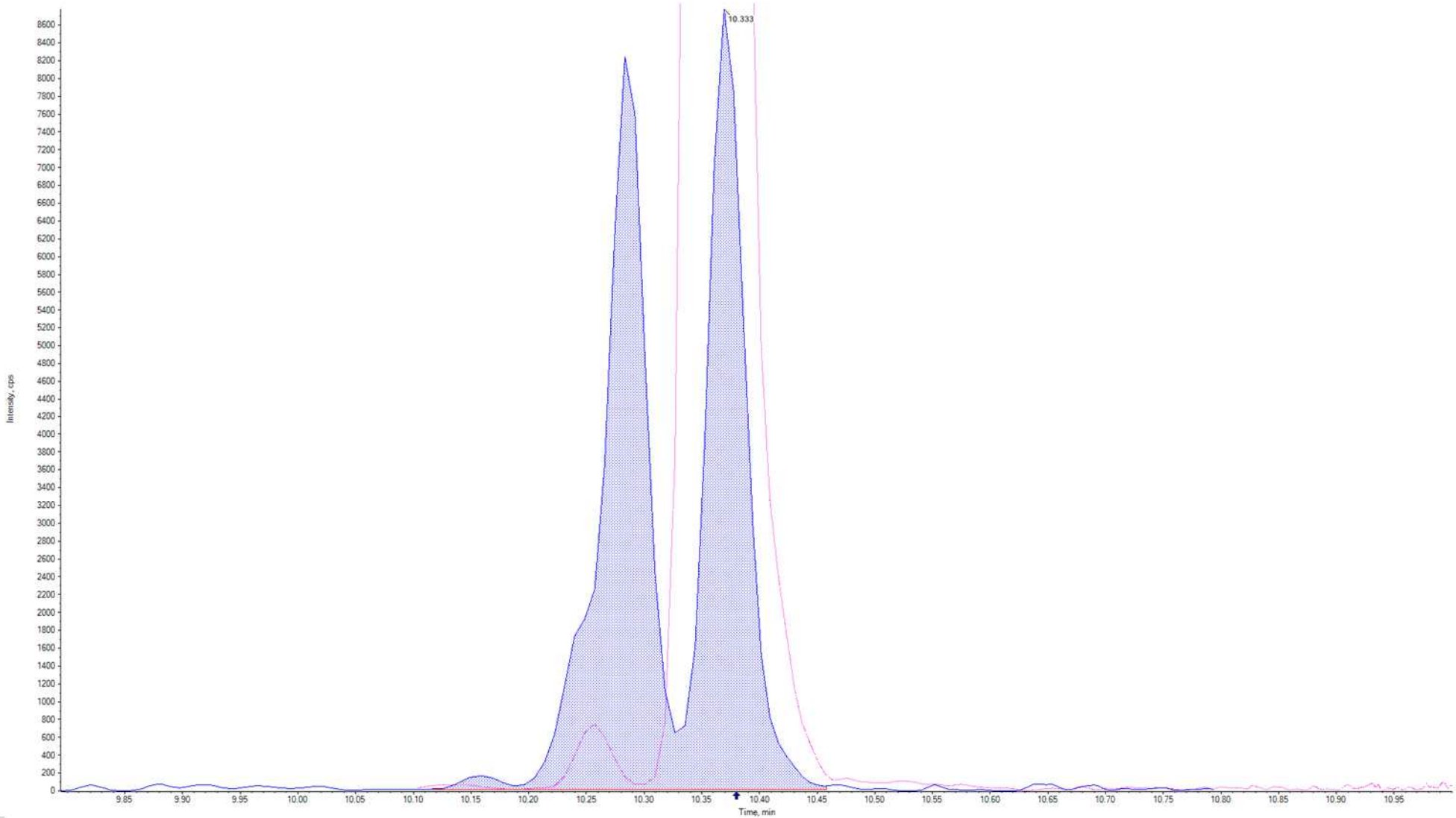
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-.5 S/N:227761.7 Points Across peak:43



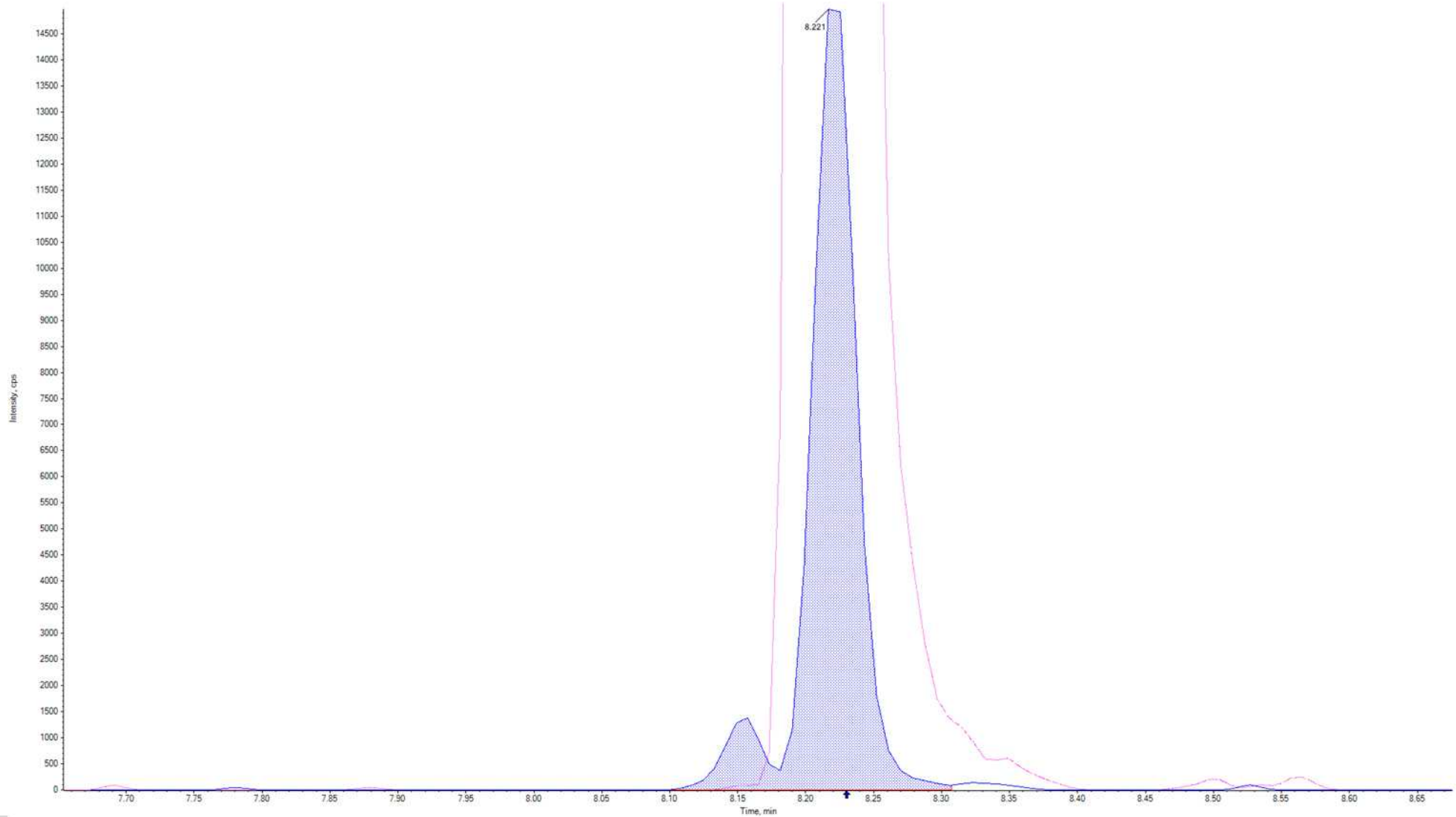
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-.5 S/N:4219.1 Points Across peak:43



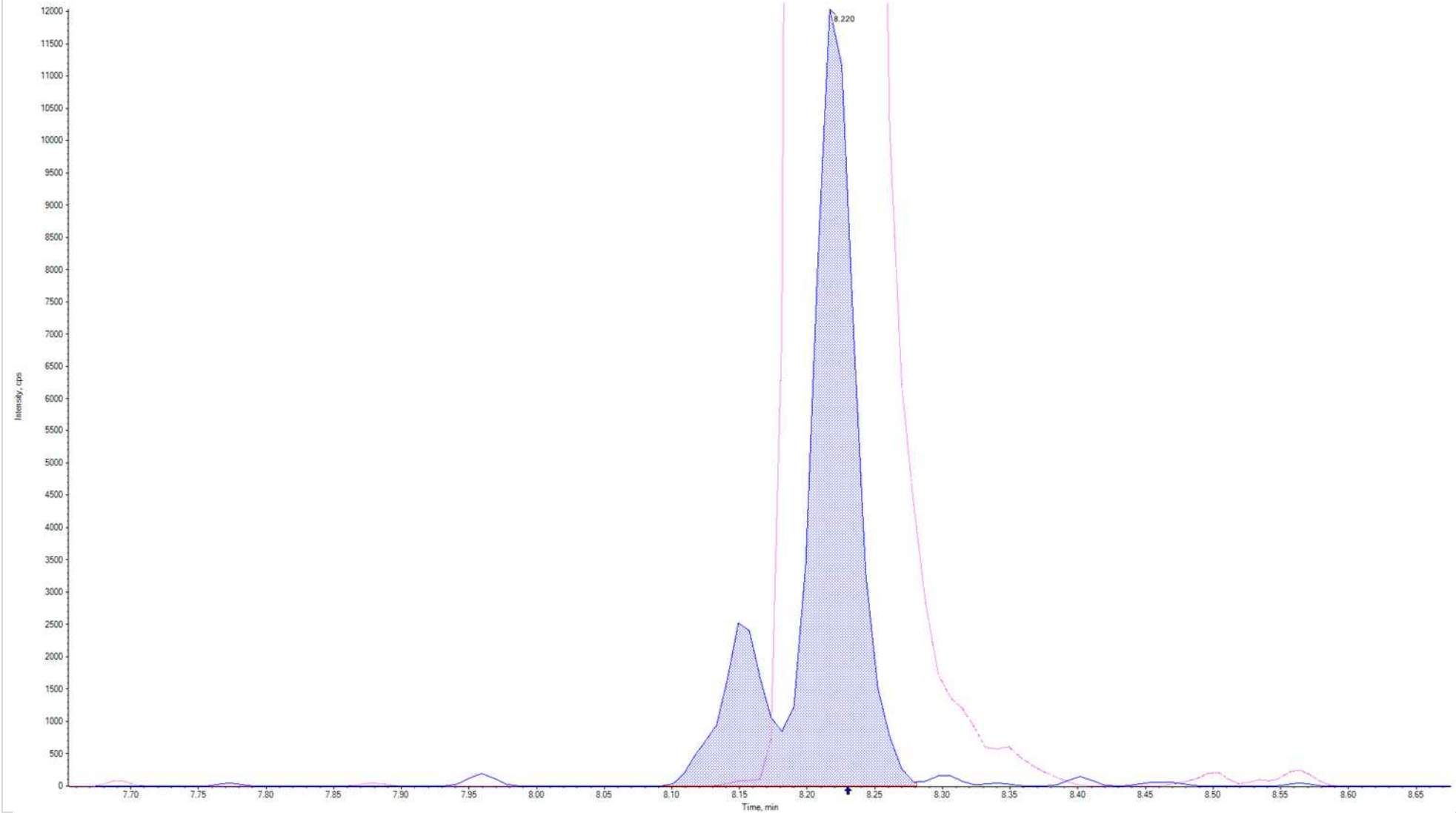
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-.5 S/N:810.5 Points Across peak:27



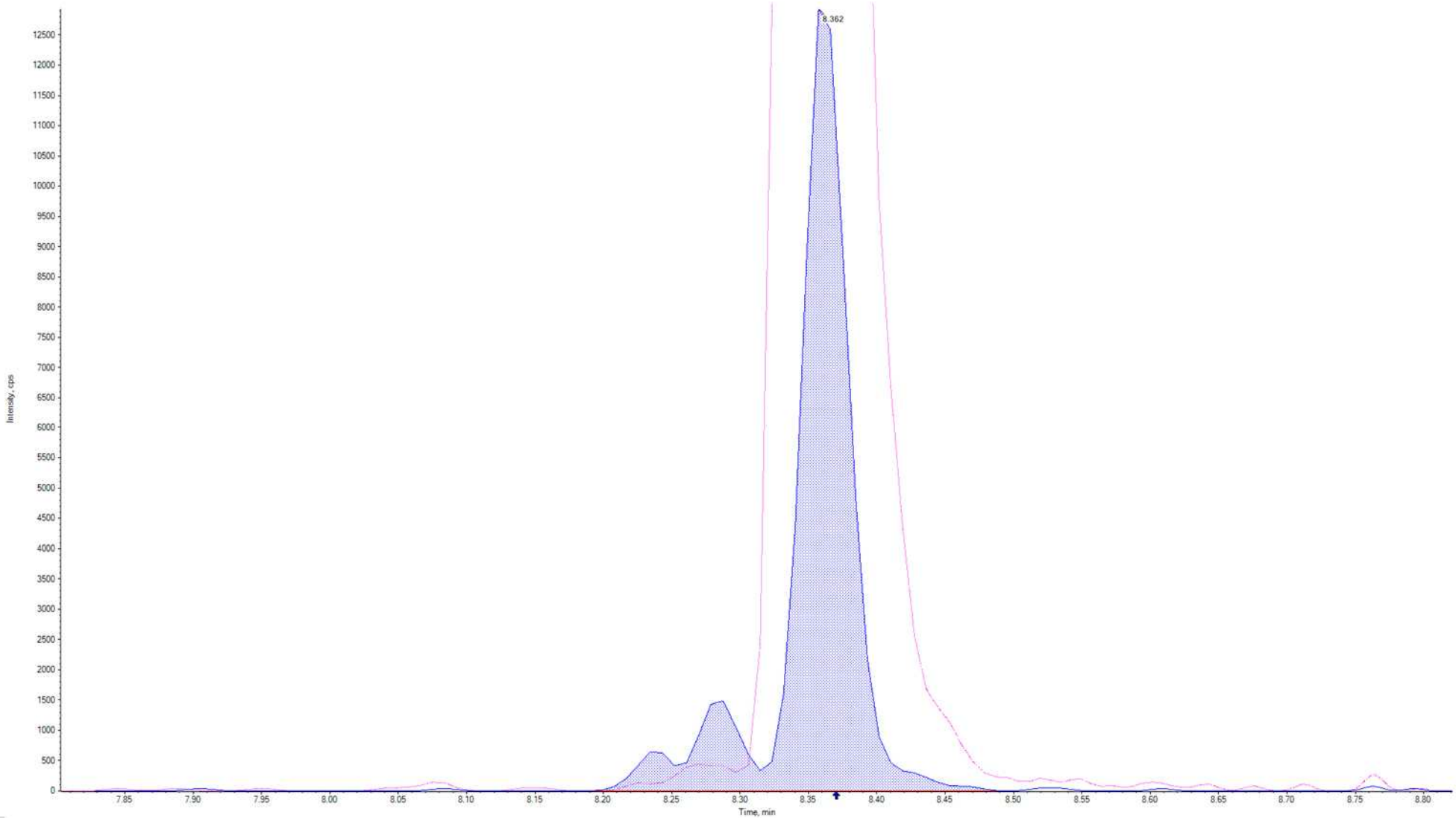
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-.5 S/N:362.0 Points Across peak:25



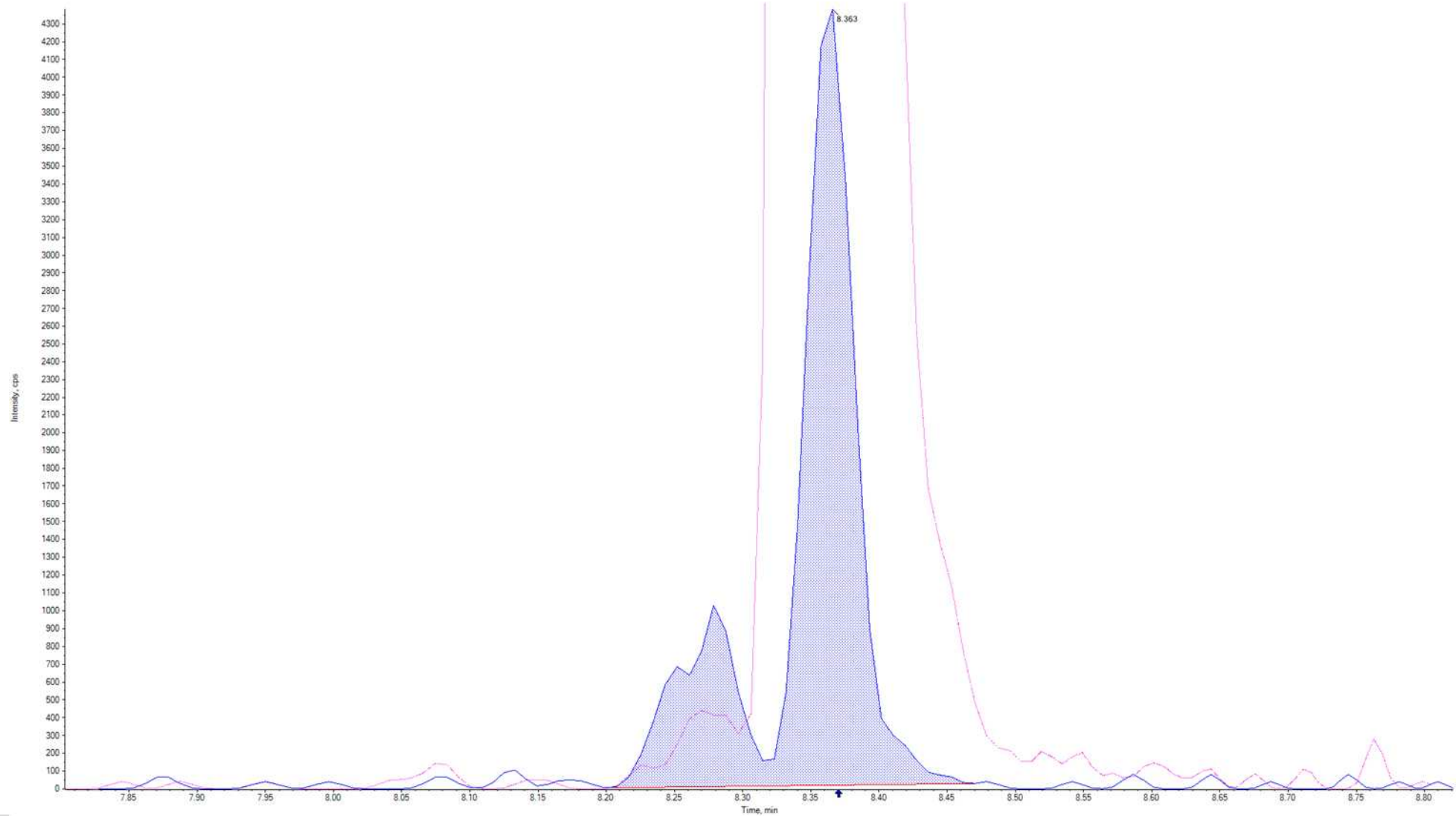
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-.5 S/N:455.0 Points Across peak:38



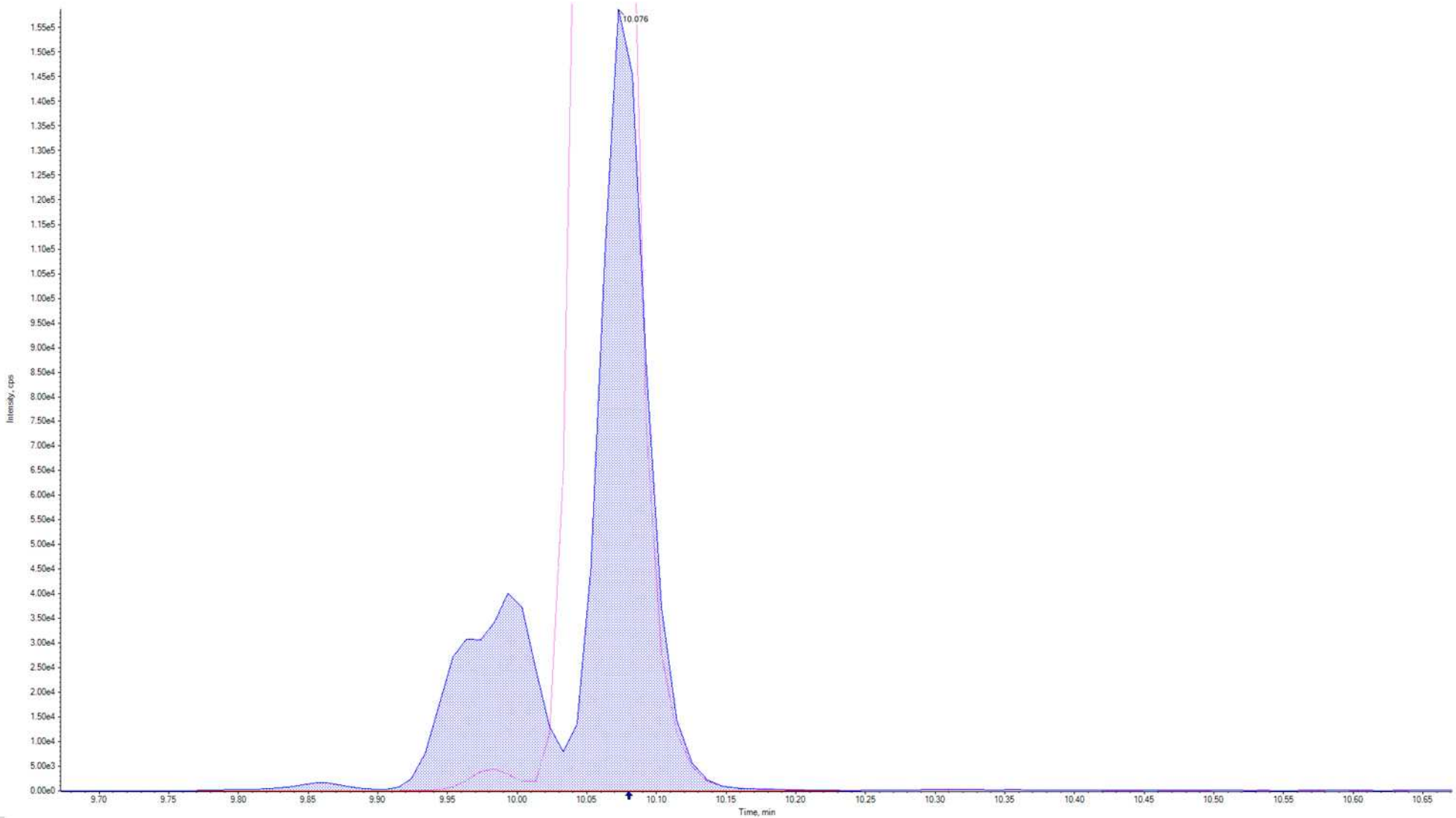
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-.5 S/N:155.3 Points Across peak:32



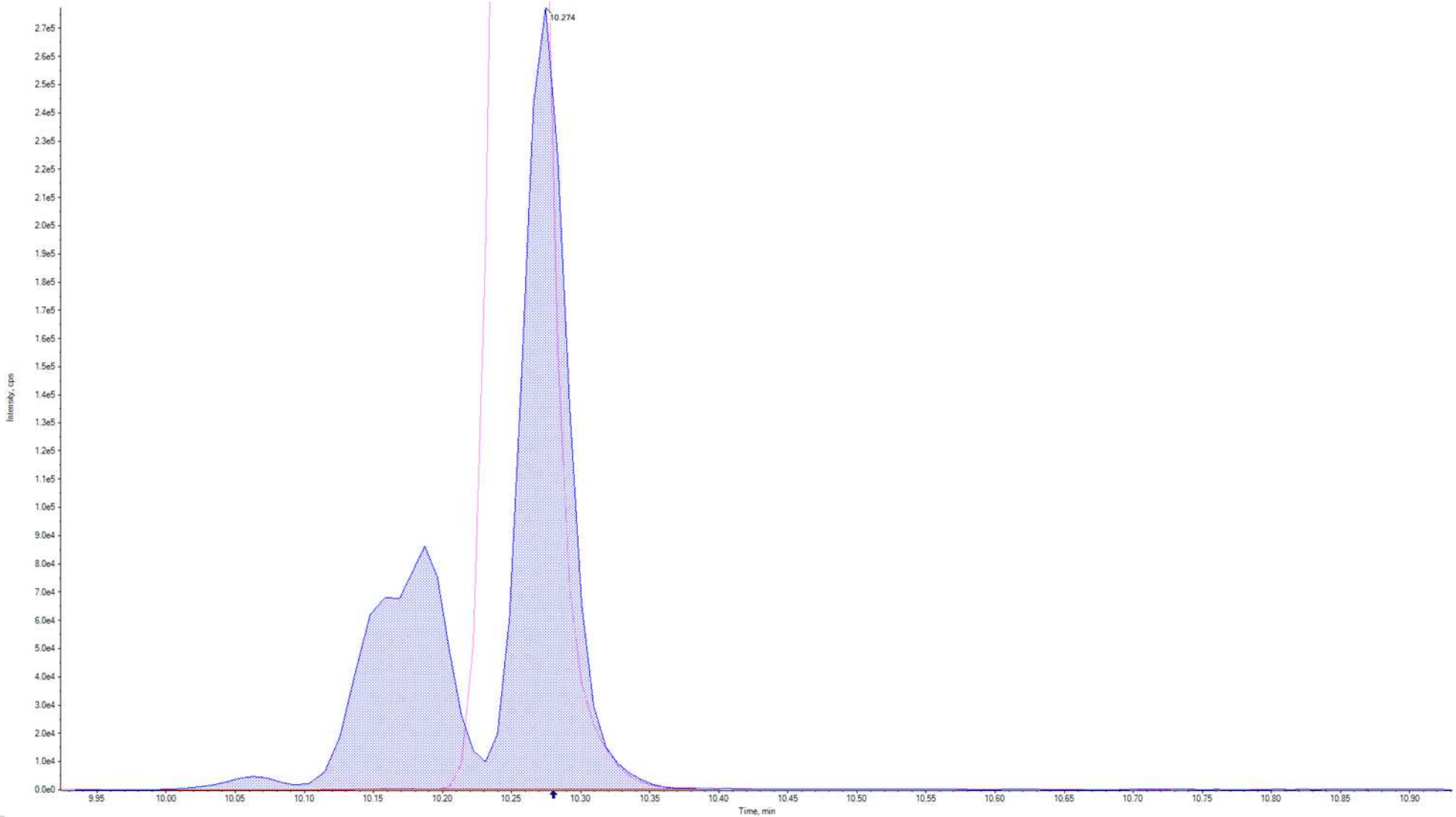
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-.5 S/N:4149.2 Points Across peak:52



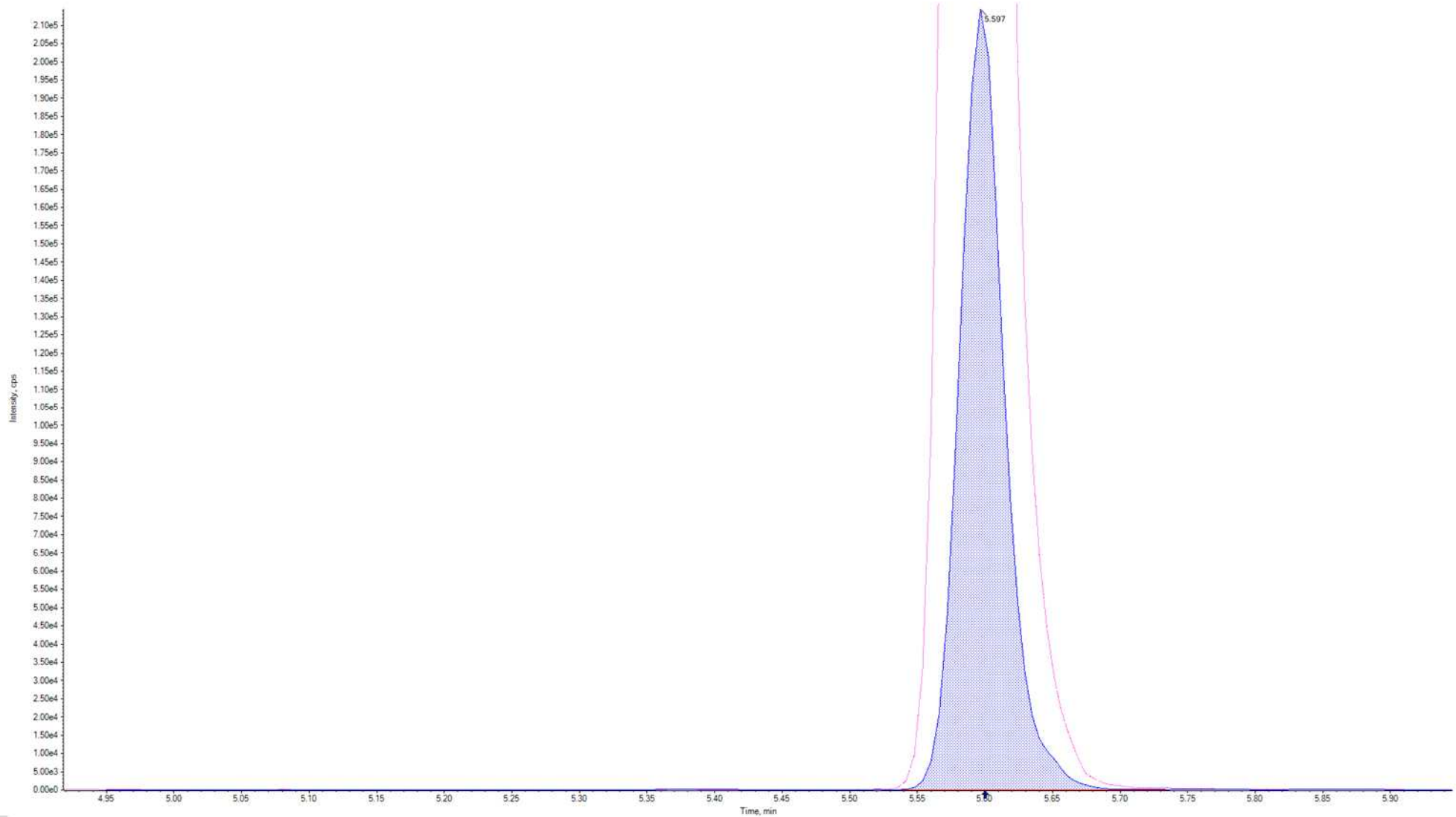
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-.5 S/N:2095.0 Points Across peak:45



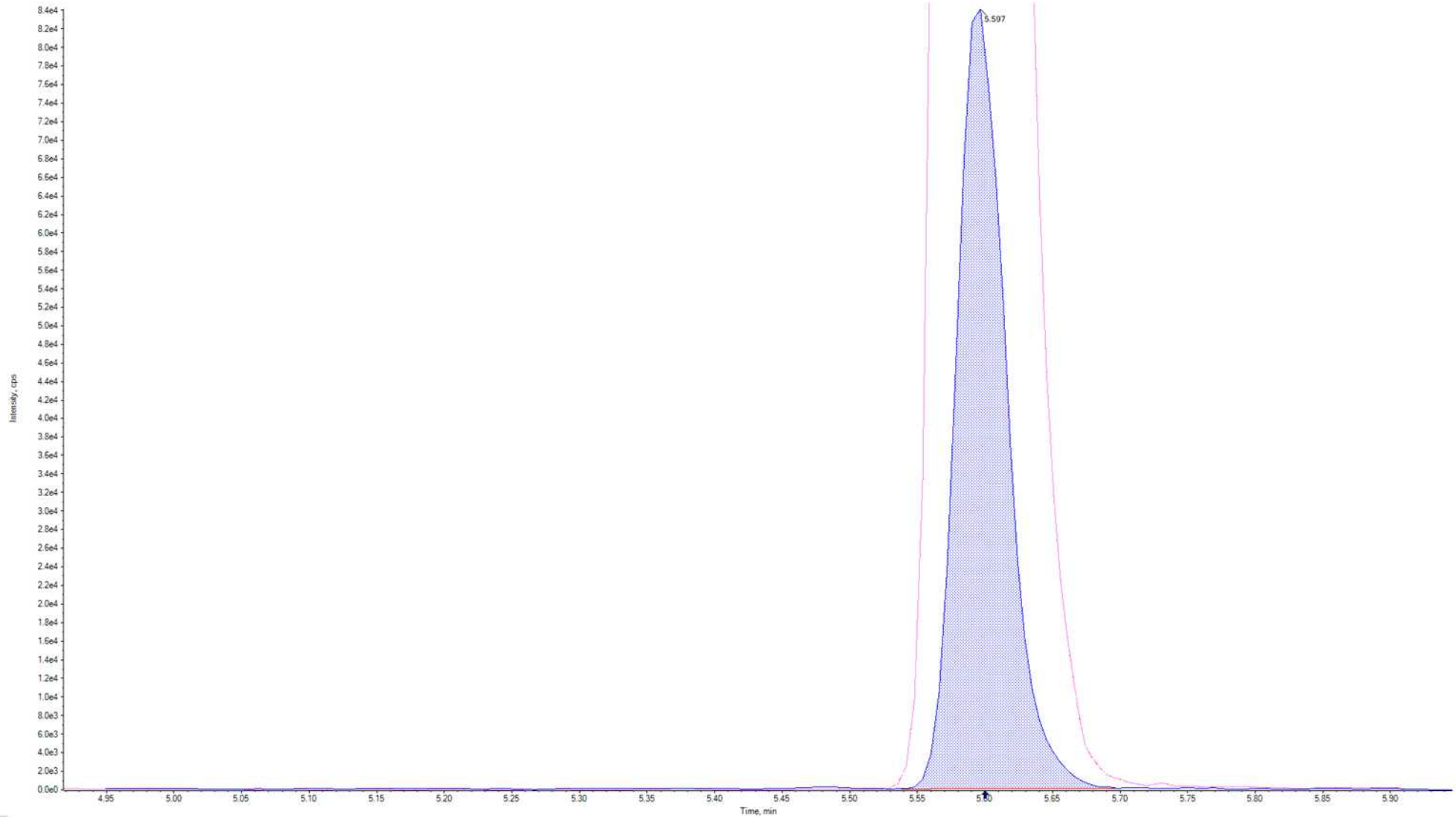
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-.5 S/N:7412.2 Points Across peak:41



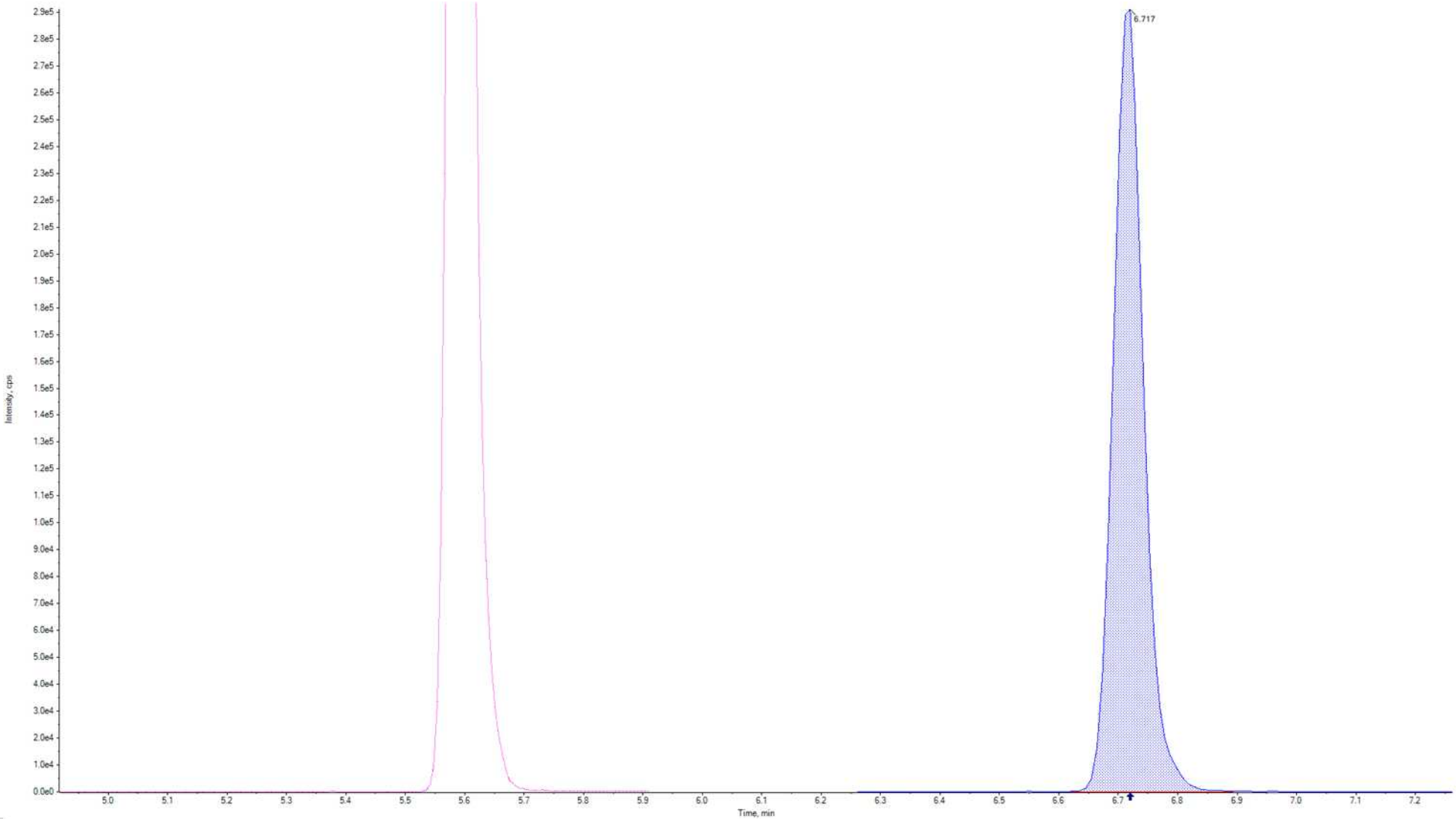
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-.5 S/N:2439.8 Points Across peak:33



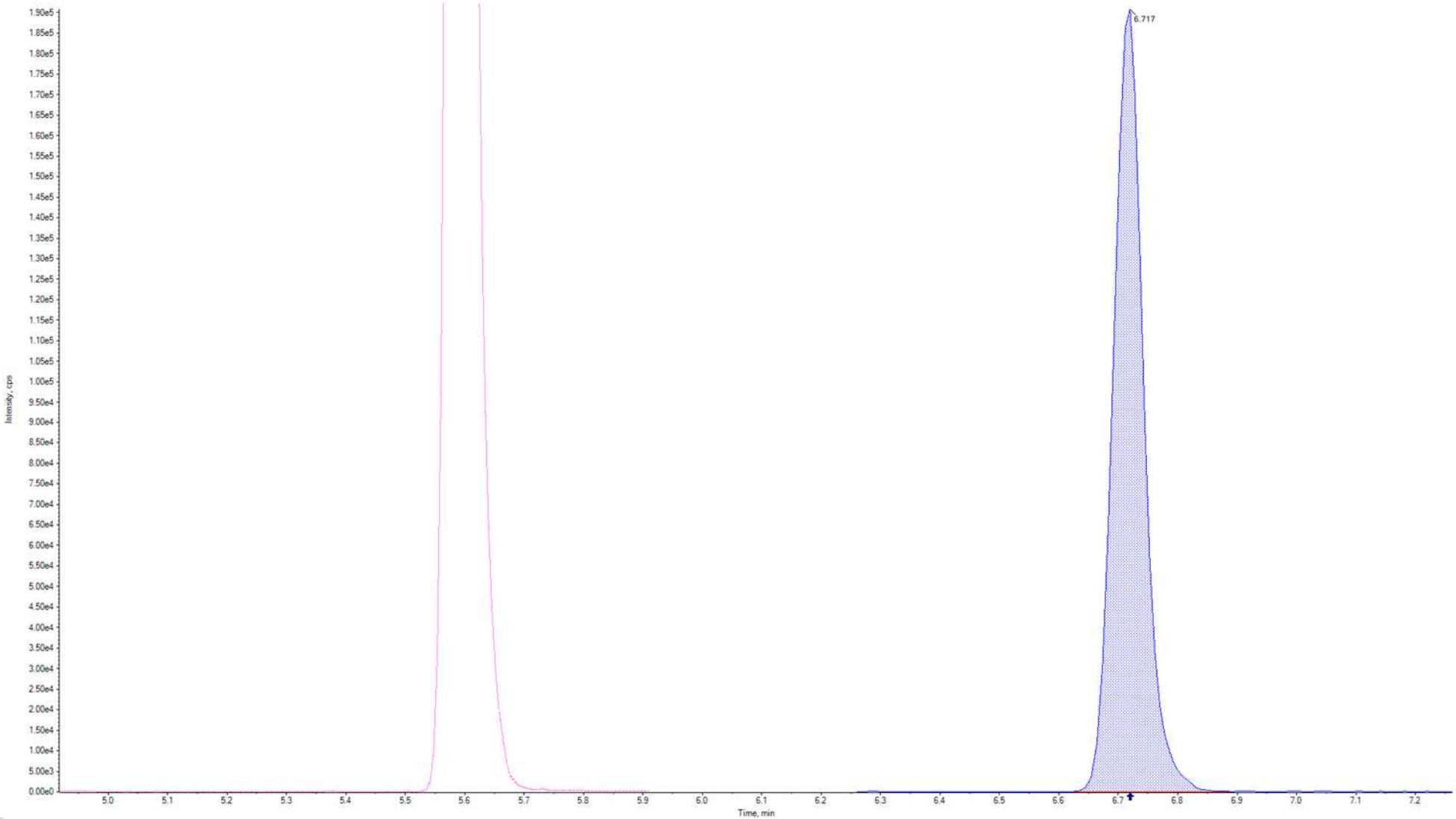
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-.5 S/N:341419.7 Points Across peak:39



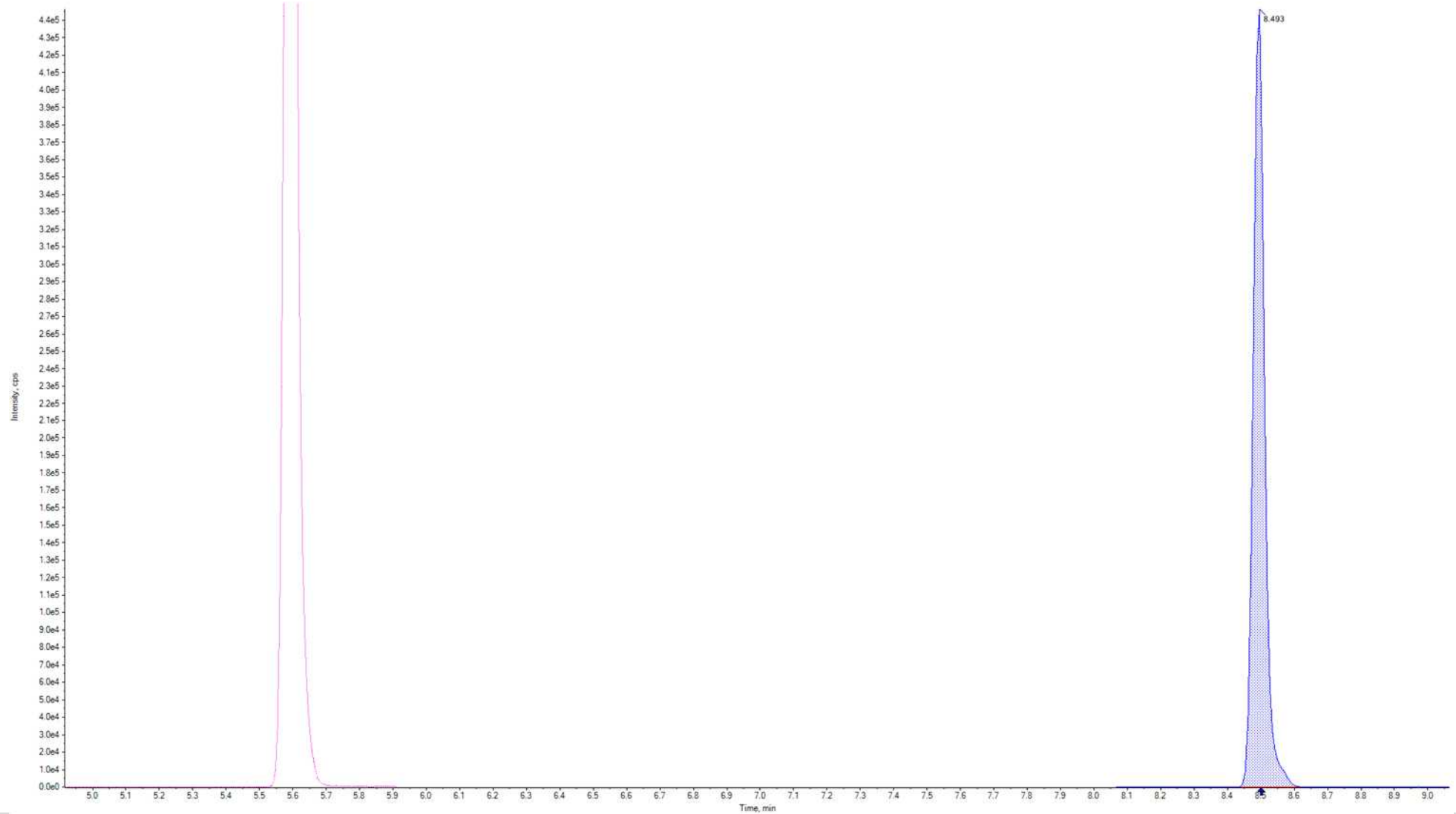
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-.5 S/N:13260.6 Points Across peak:38



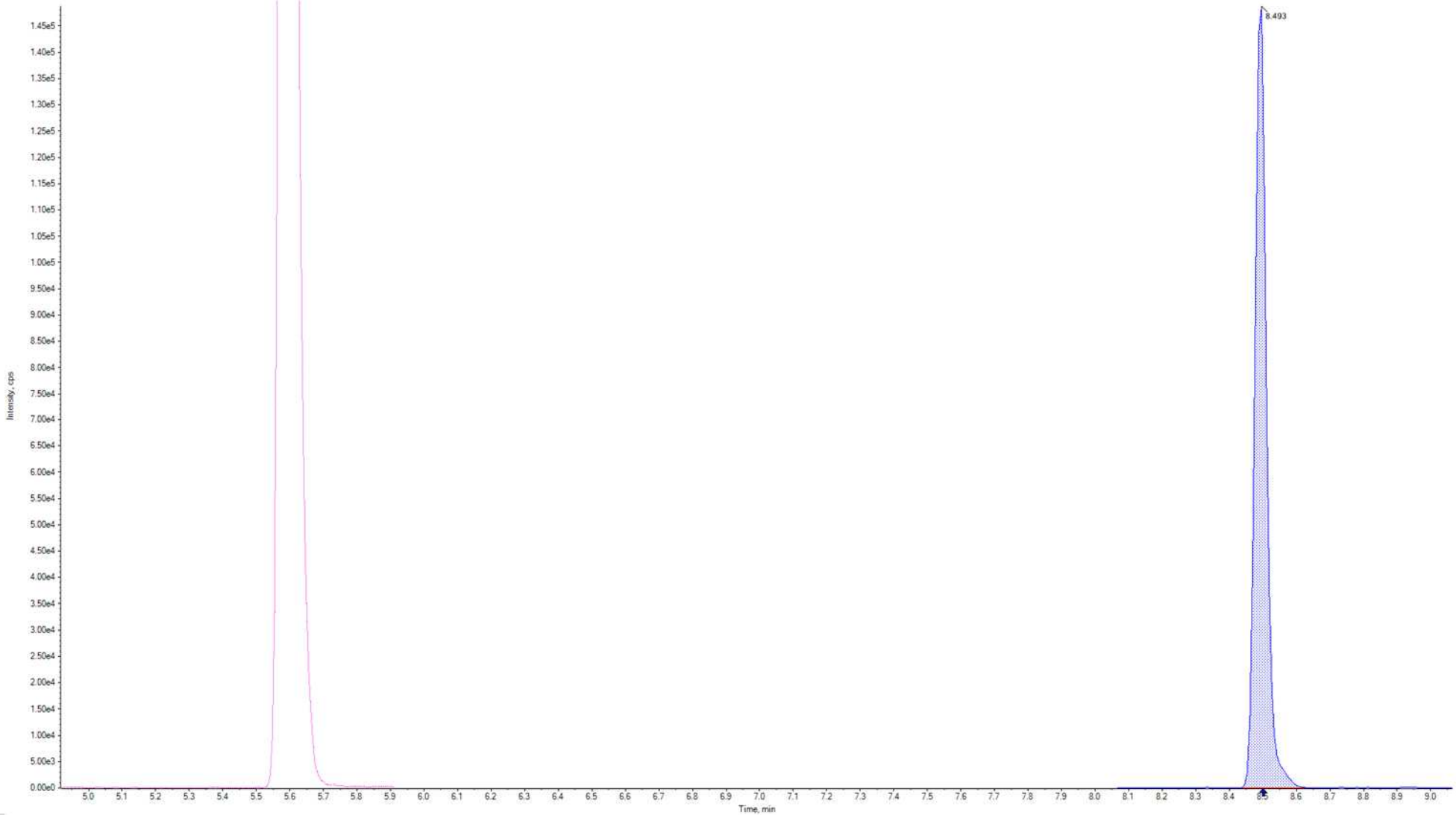
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-.5 S/N:2862684.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-.5 S/N:25976.2 Points Across peak:29



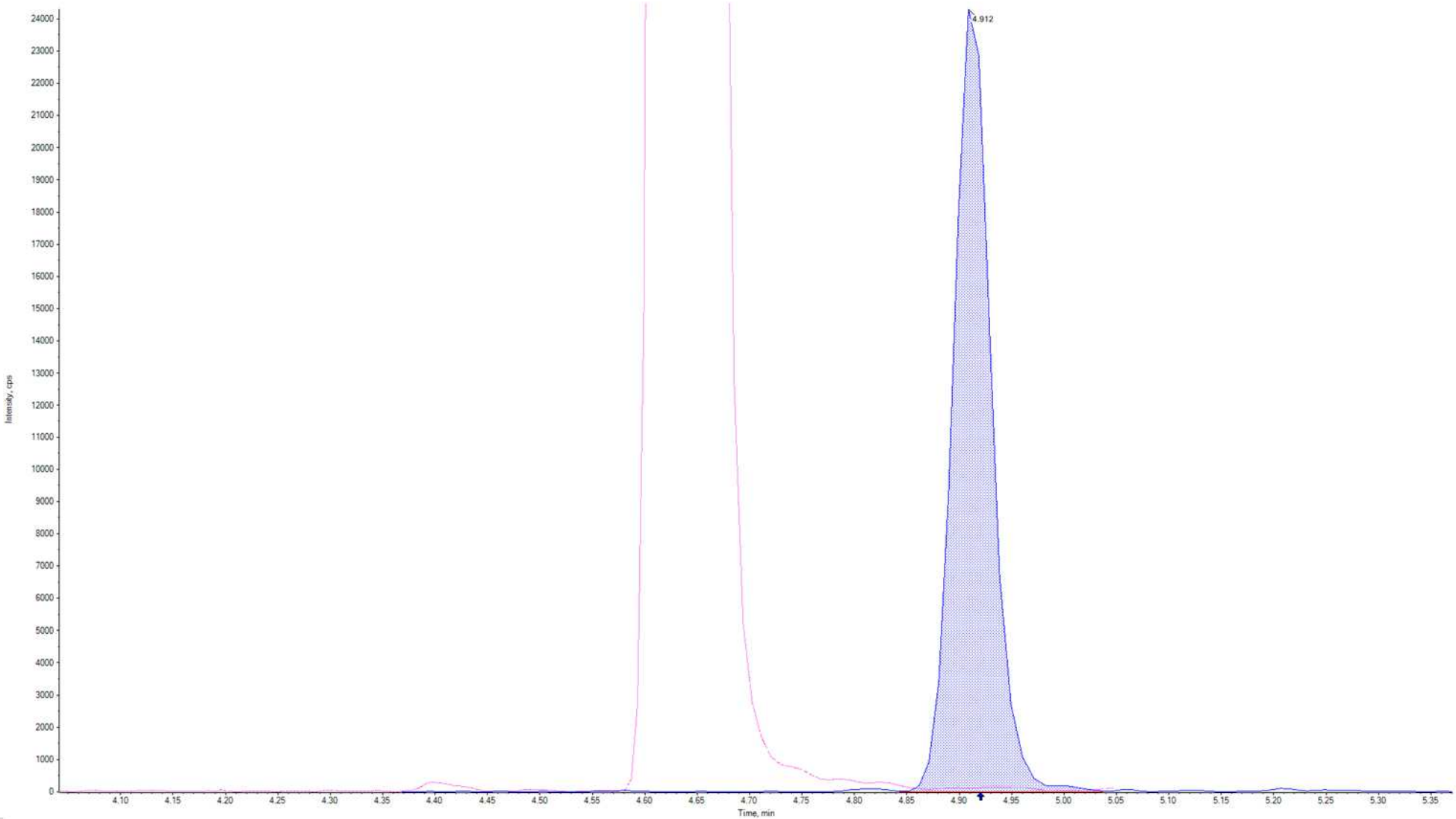
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS
Sample: IA1633STD-.5 S/N:3192.8 Points Across peak:45

11Cl-PF3OUdS_2
Sample: IA1633STD-.5 S/N:14923487.0 Points Across peak:36

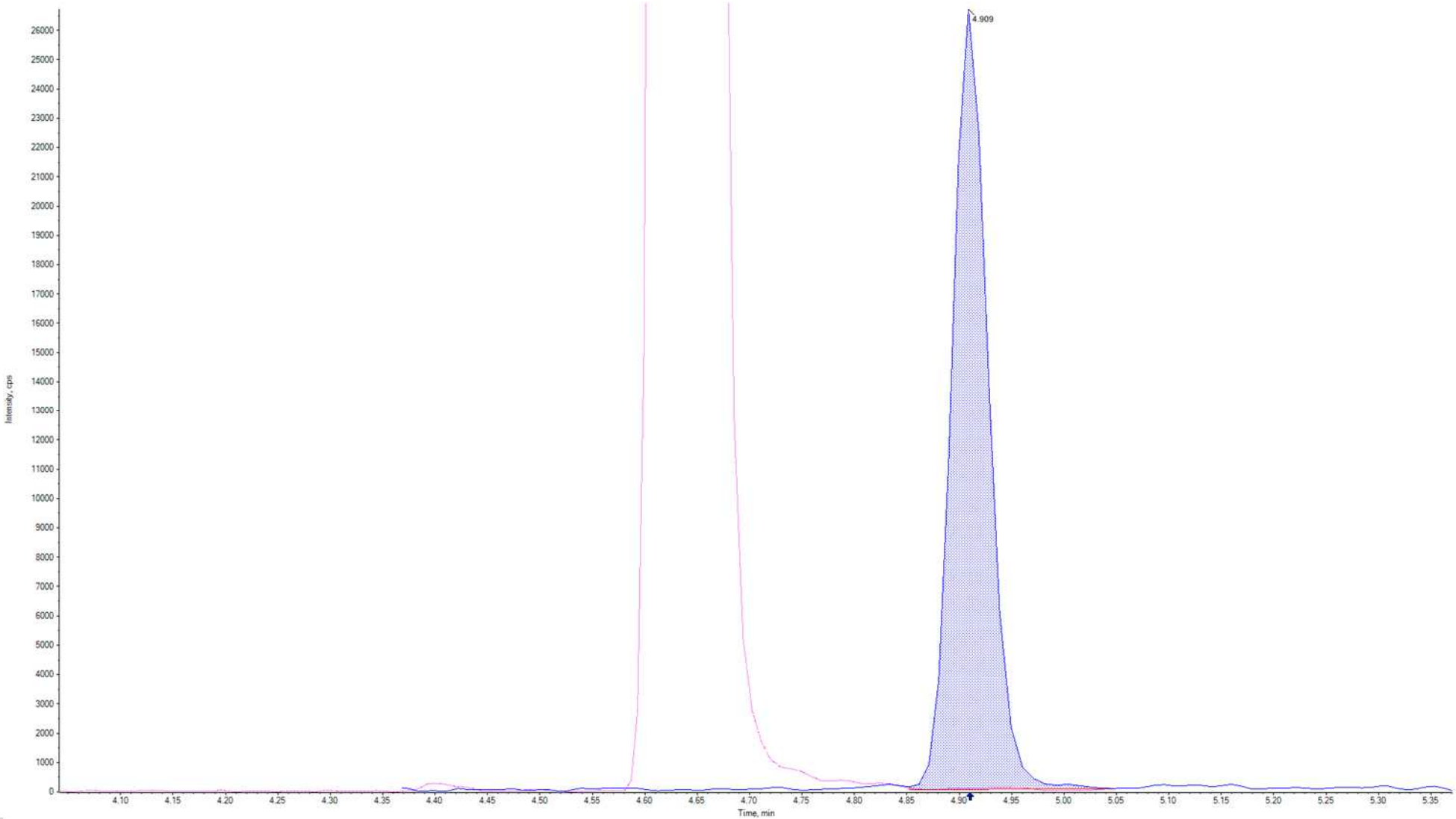
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-.5 S/N:652224.2 Points Across peak:20



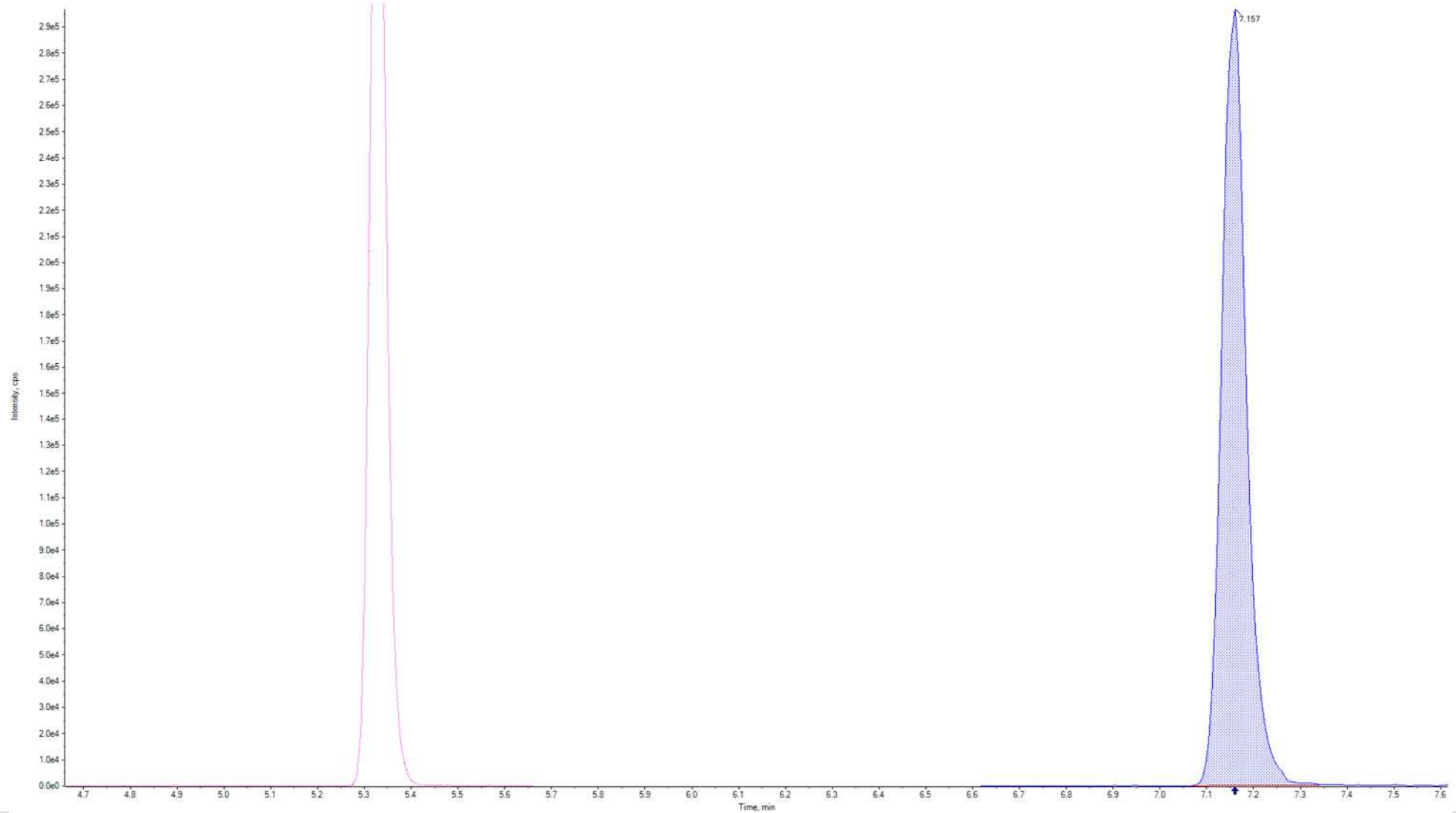
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-.5 S/N:1084.6 Points Across peak:20



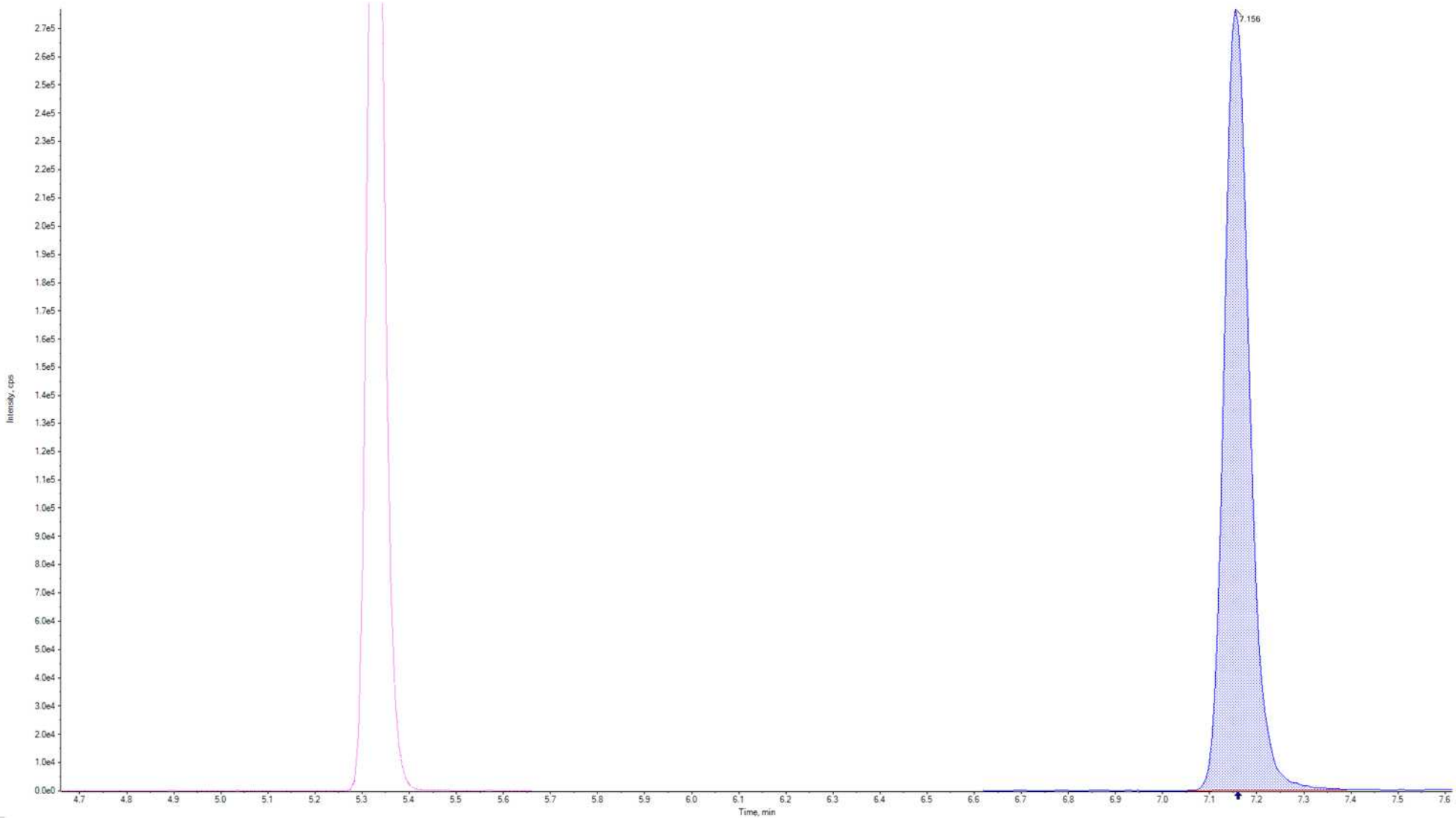
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-.5 S/N:17454.2 Points Across peak:47



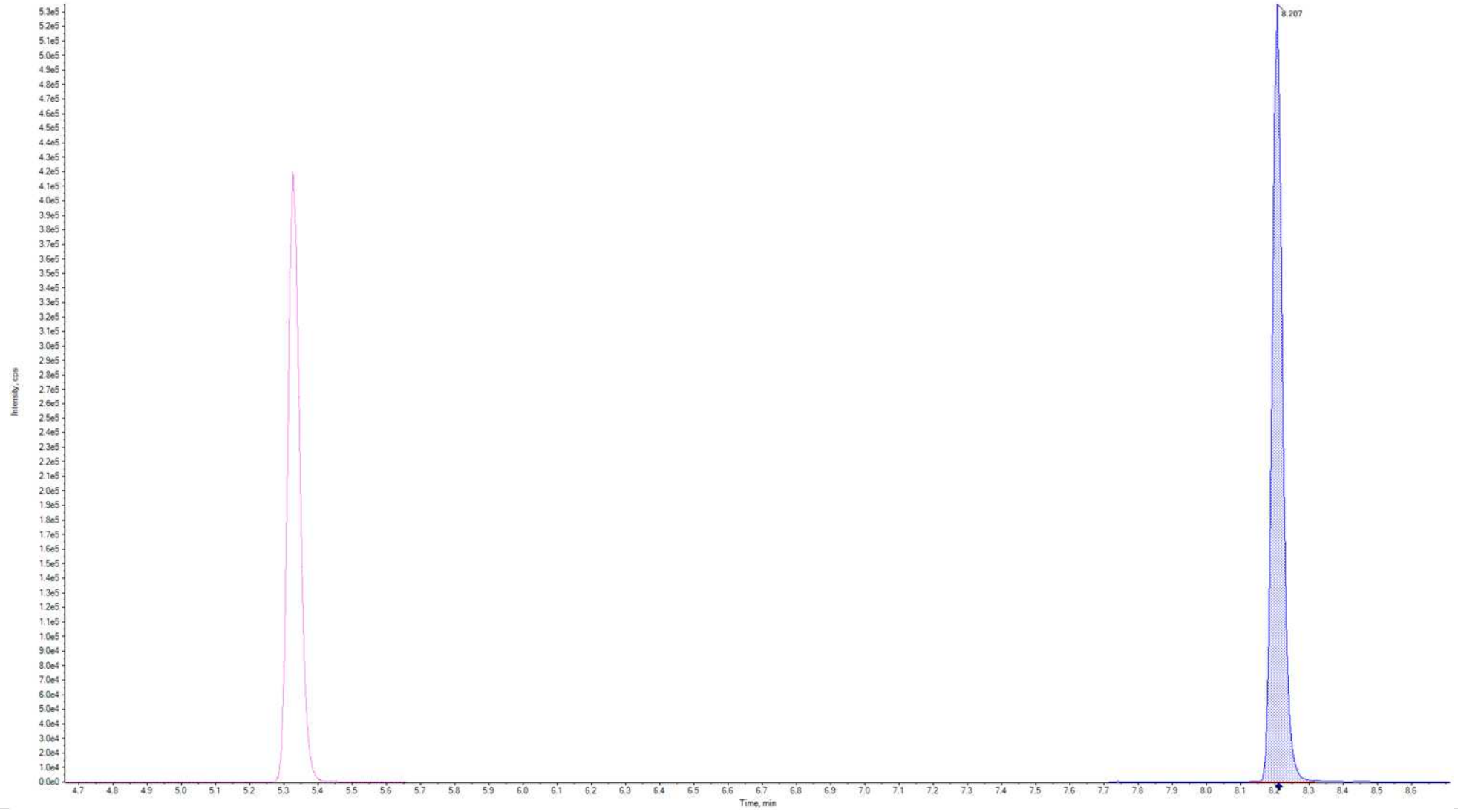
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-.5 S/N:6149.3 Points Across peak:59



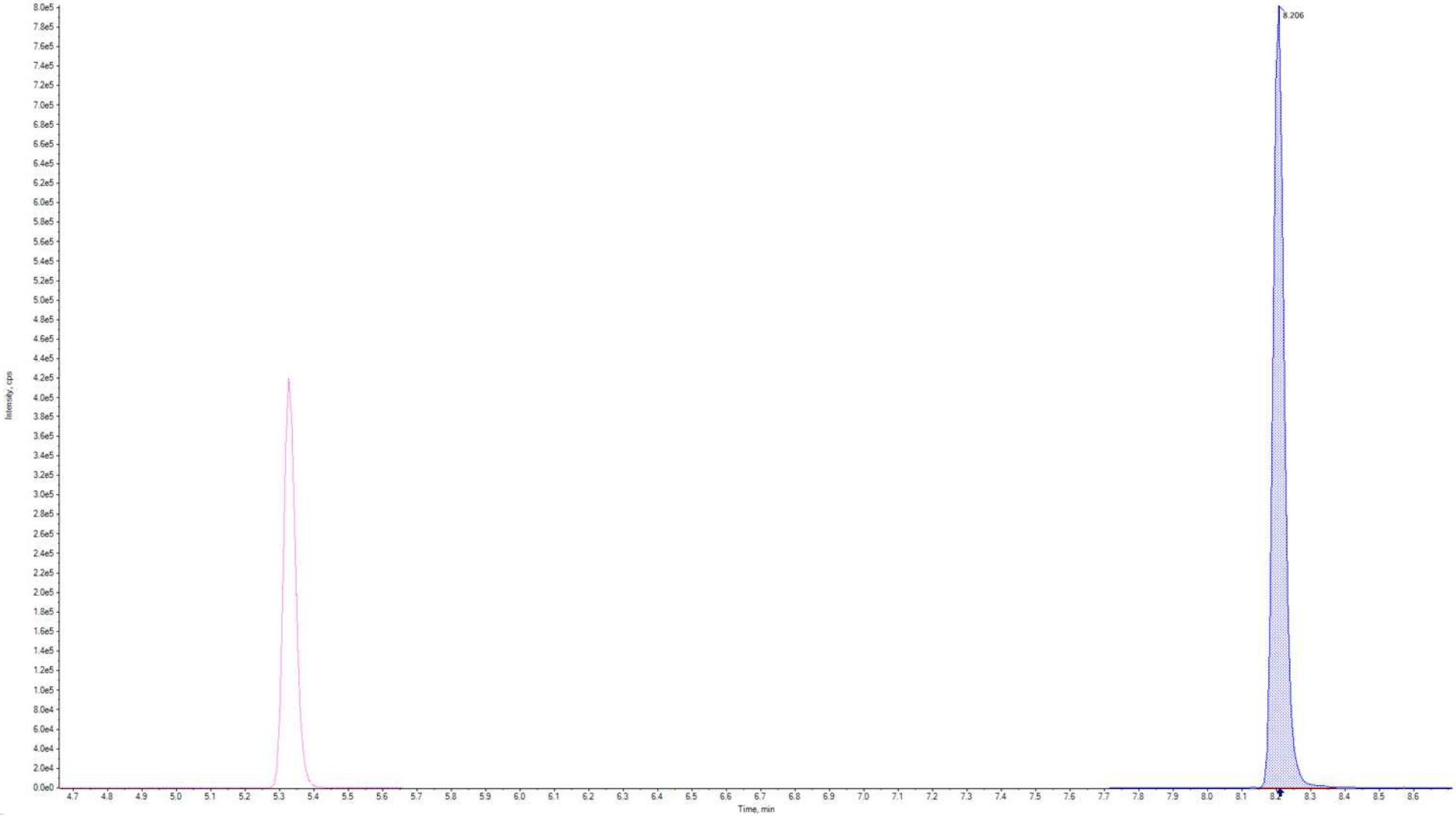
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-.5 S/N:1064937.9 Points Across peak:28



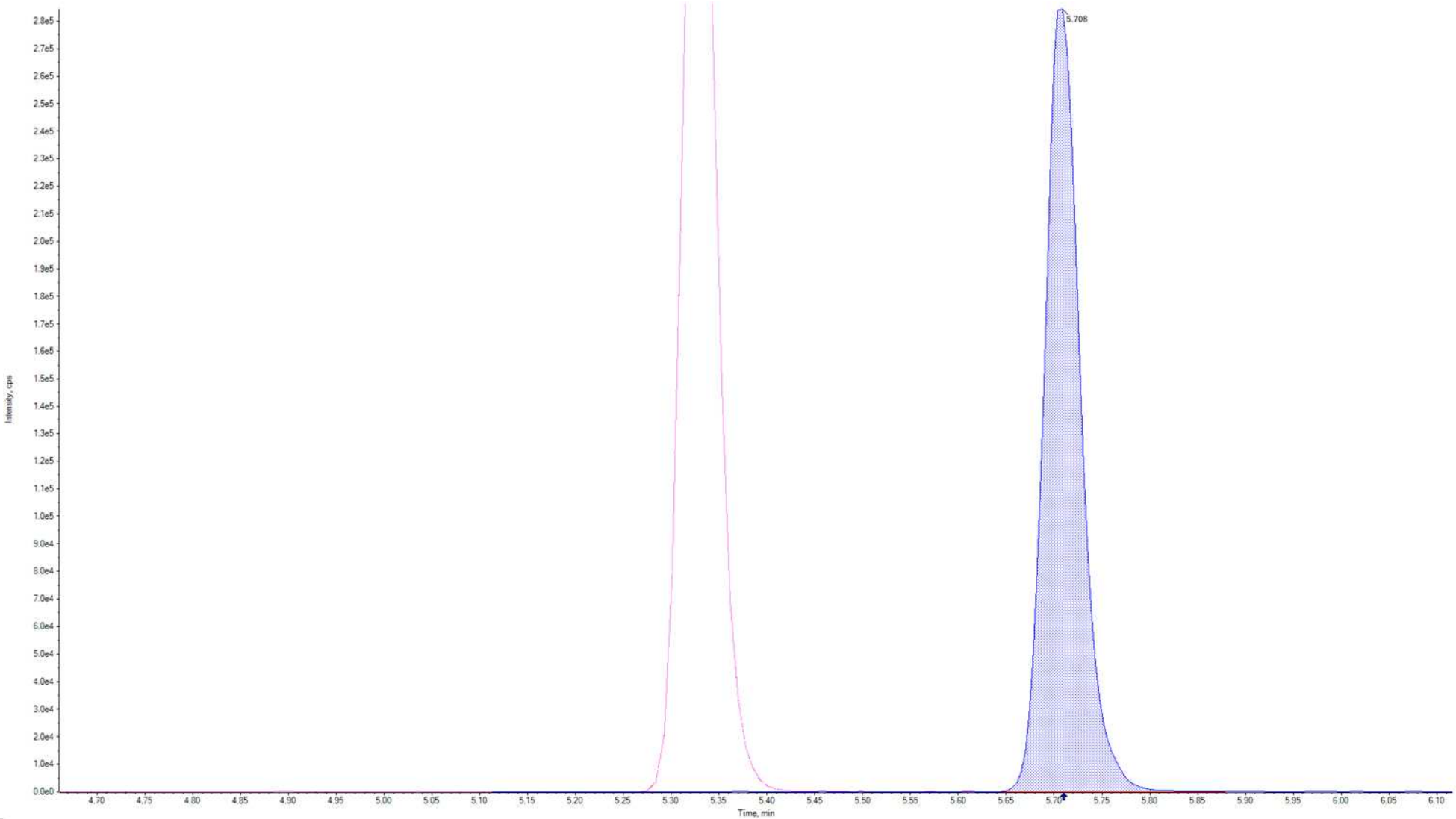
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-.5 S/N:14103.0 Points Across peak:27



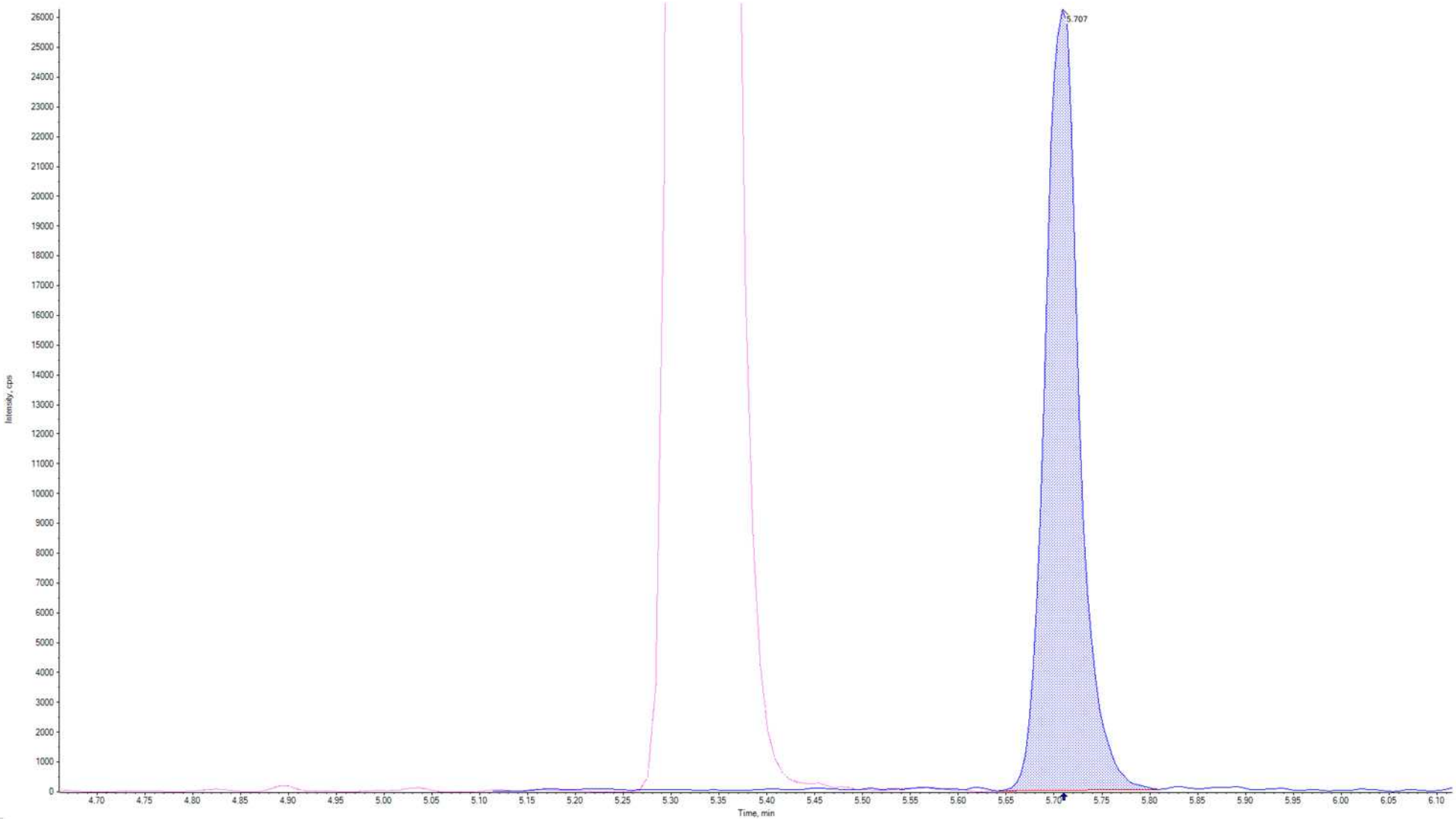
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-.5 S/N:5953.4 Points Across peak:49



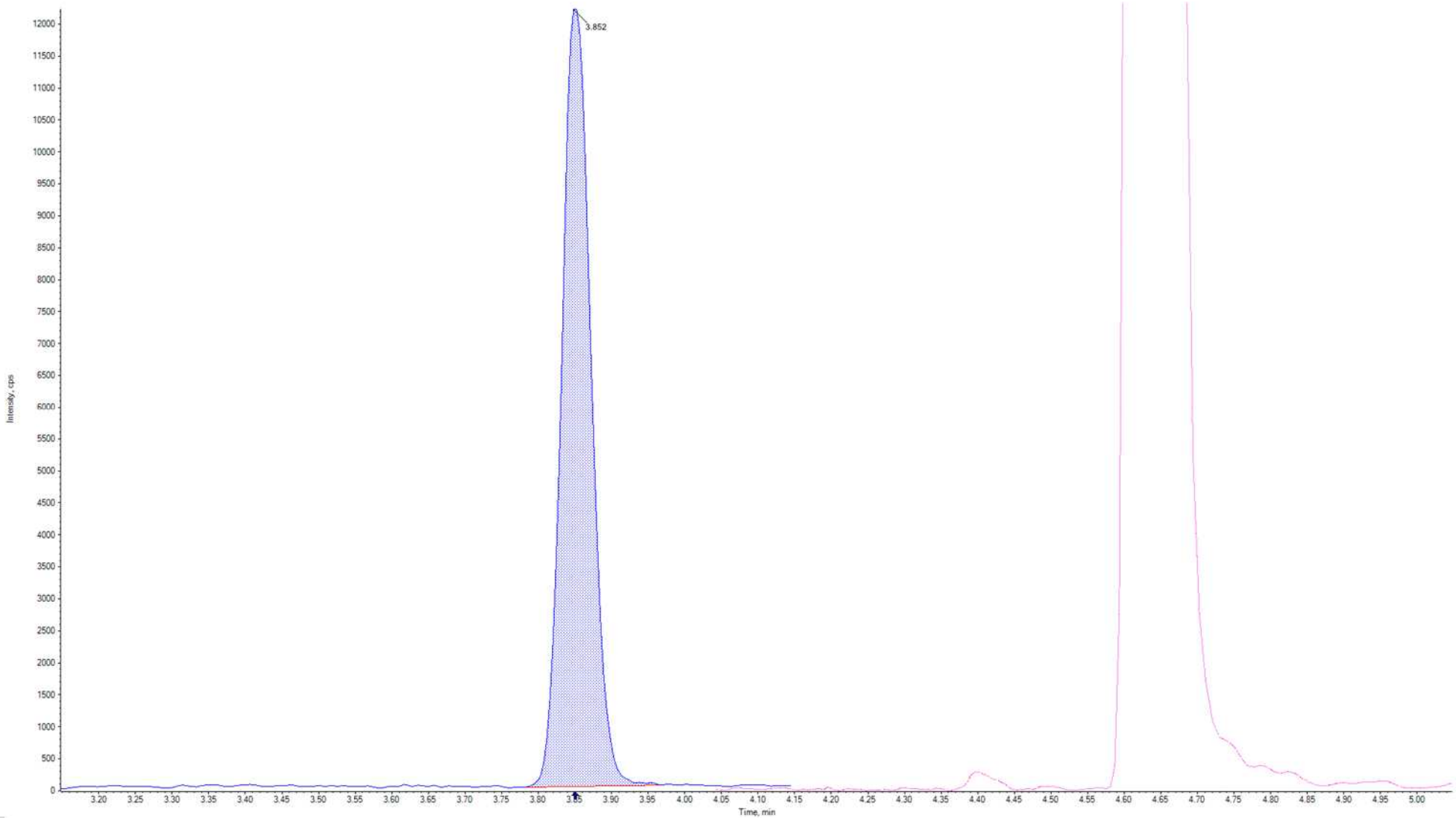
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-.5 S/N:2071.5 Points Across peak:38



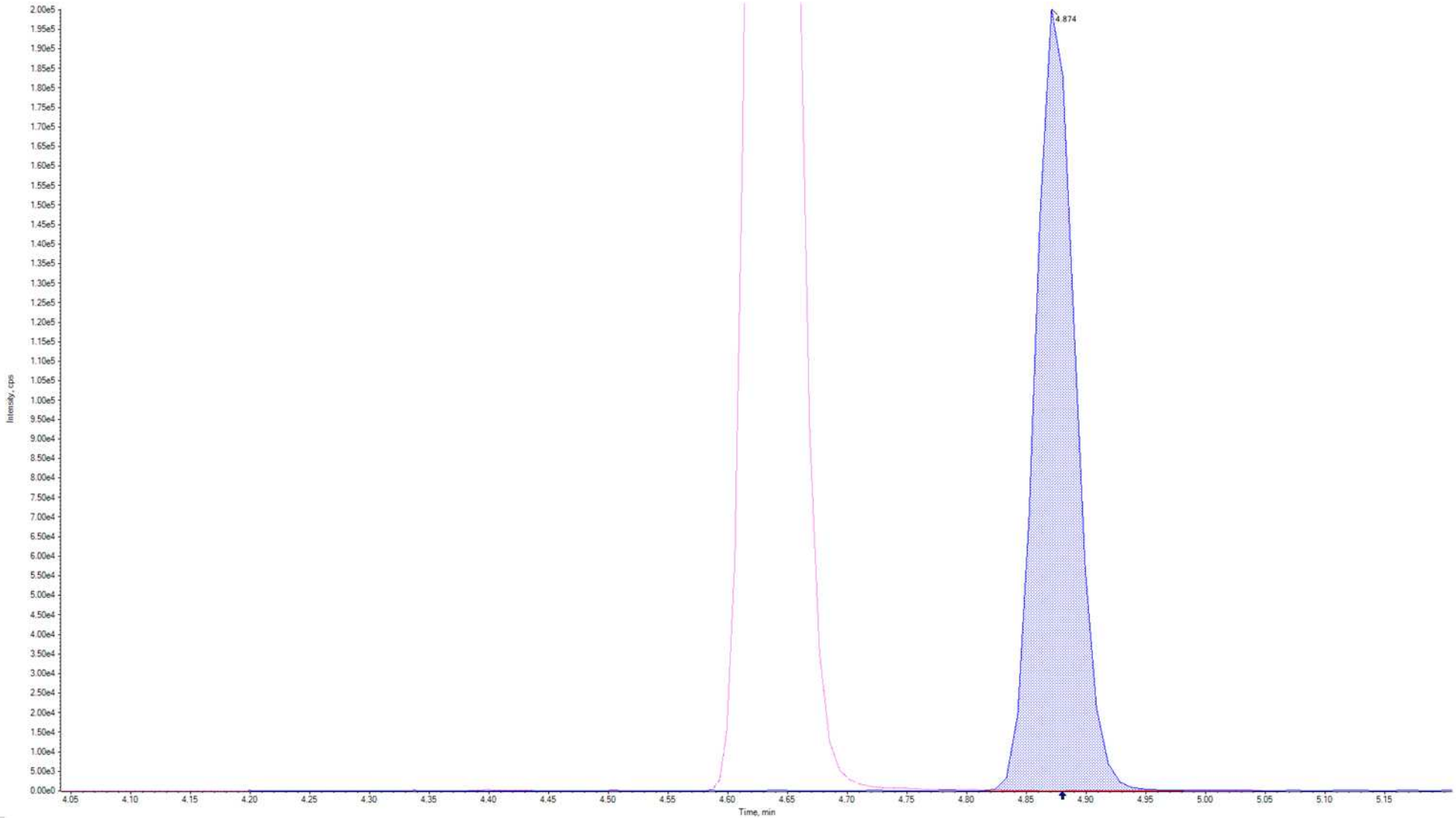
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-.5 S/N:1333.6 Points Across peak:48



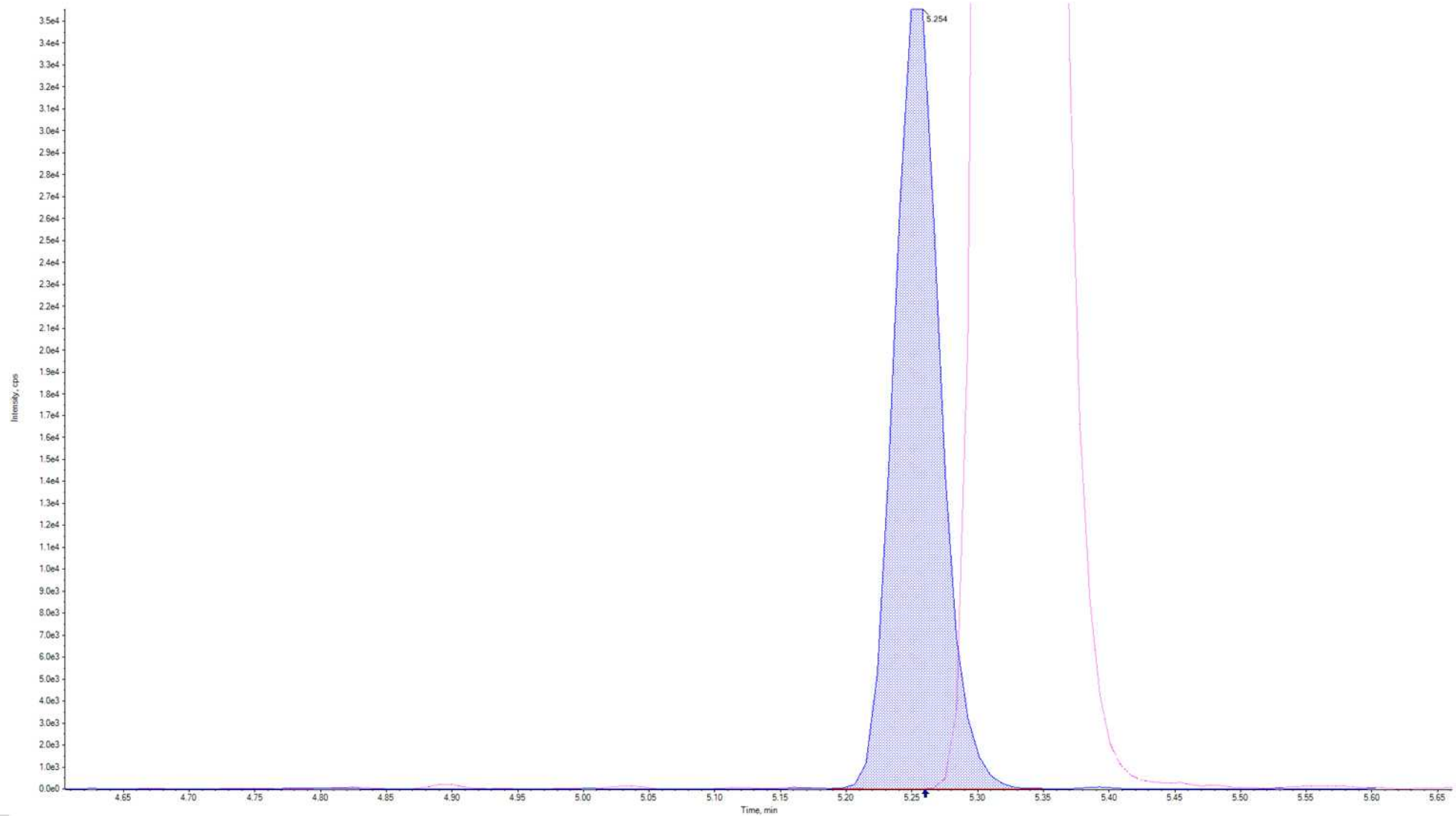
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-.5 S/N:2484.4 Points Across peak:19



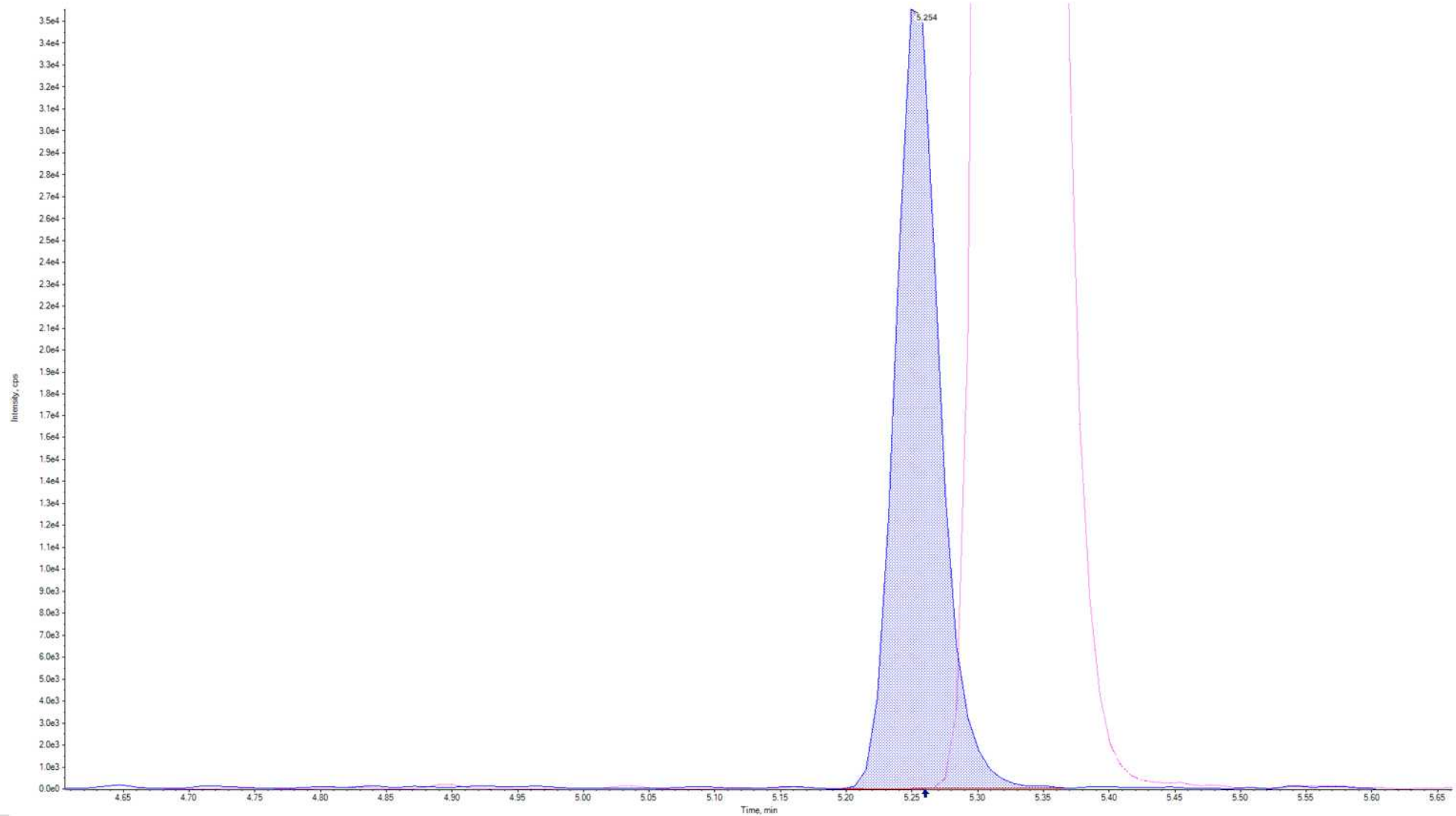
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-.5 S/N:3361.9 Points Across peak:21



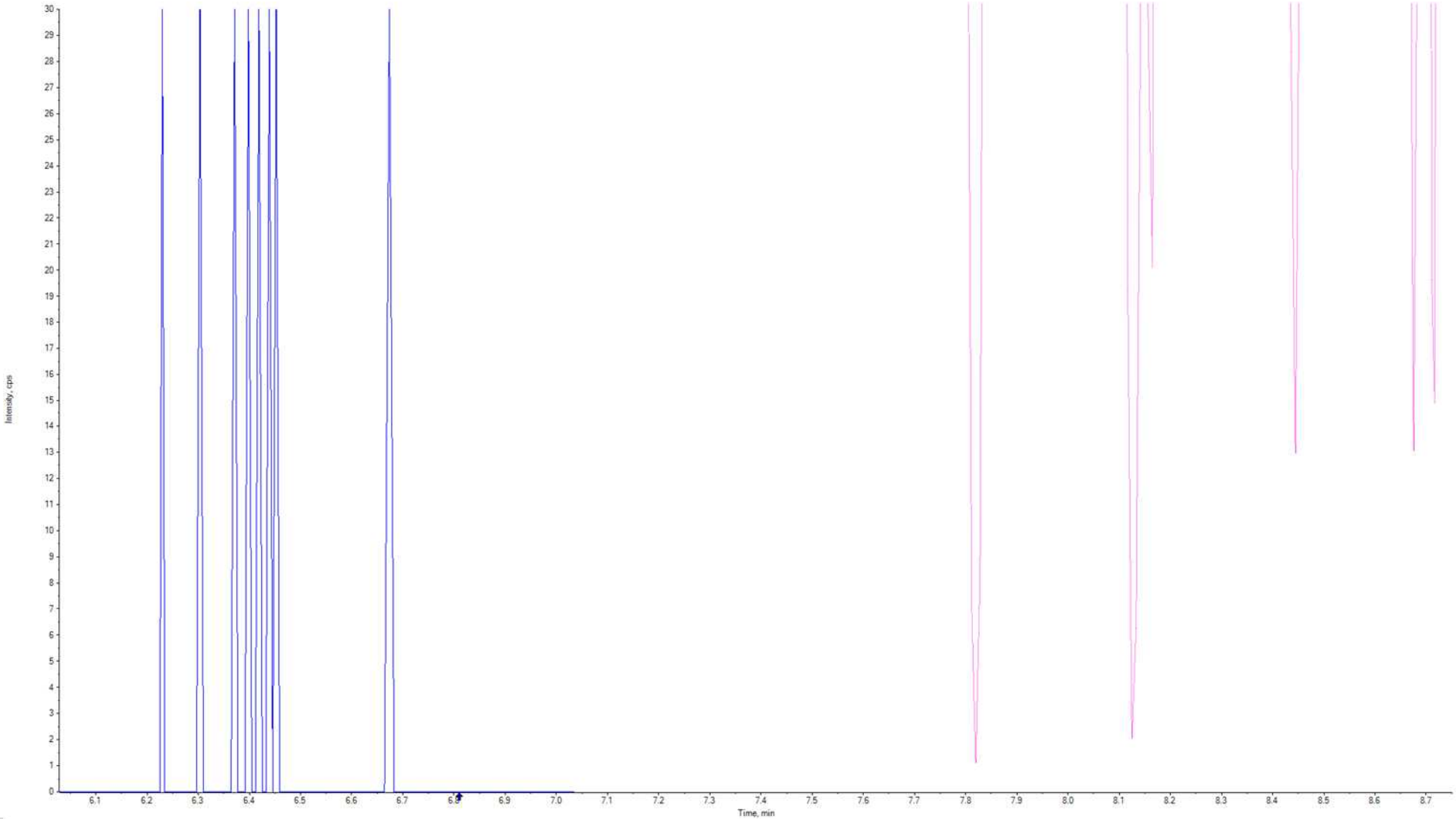
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-.5 S/N:1529.0 Points Across peak:22

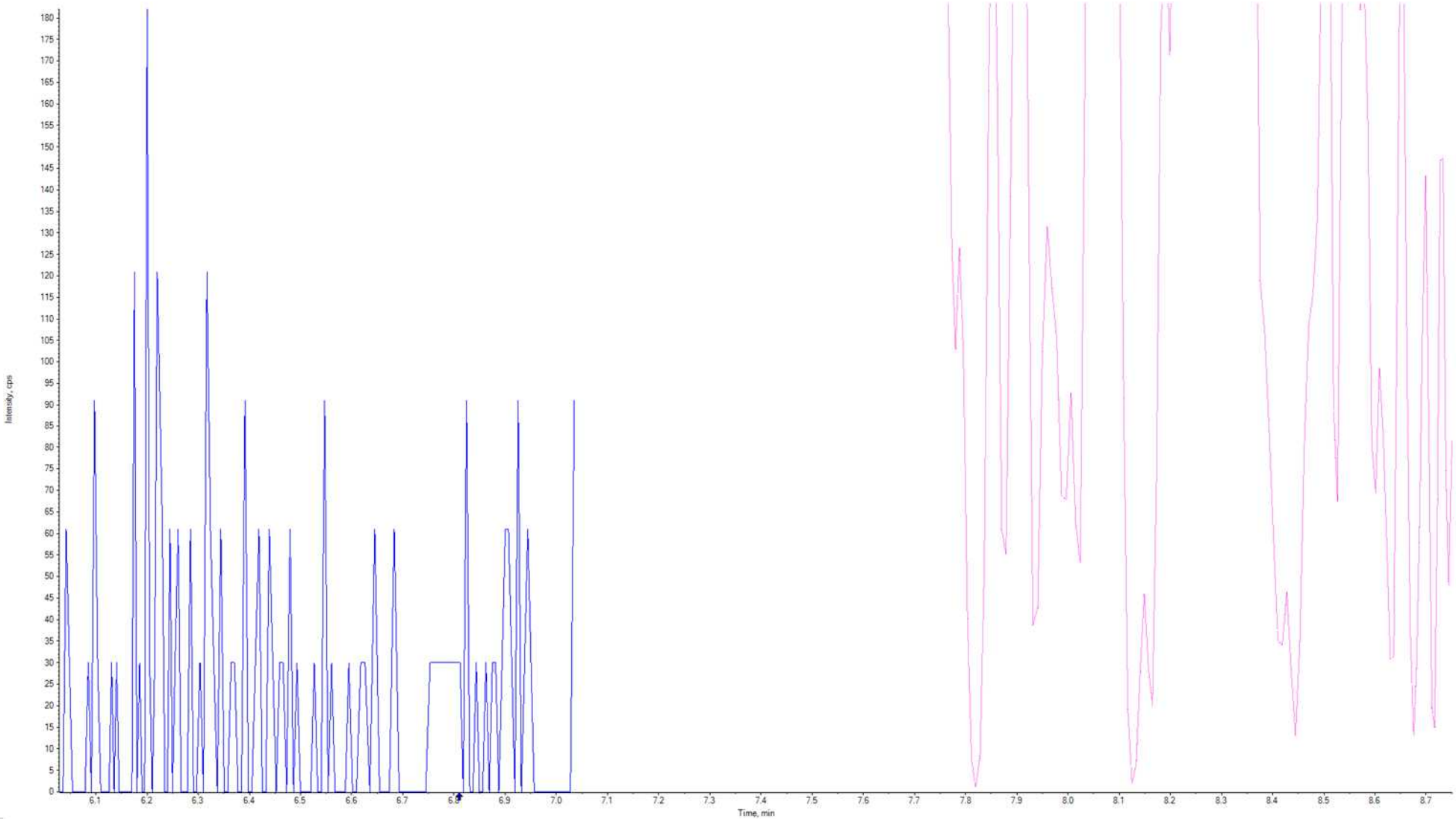


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

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

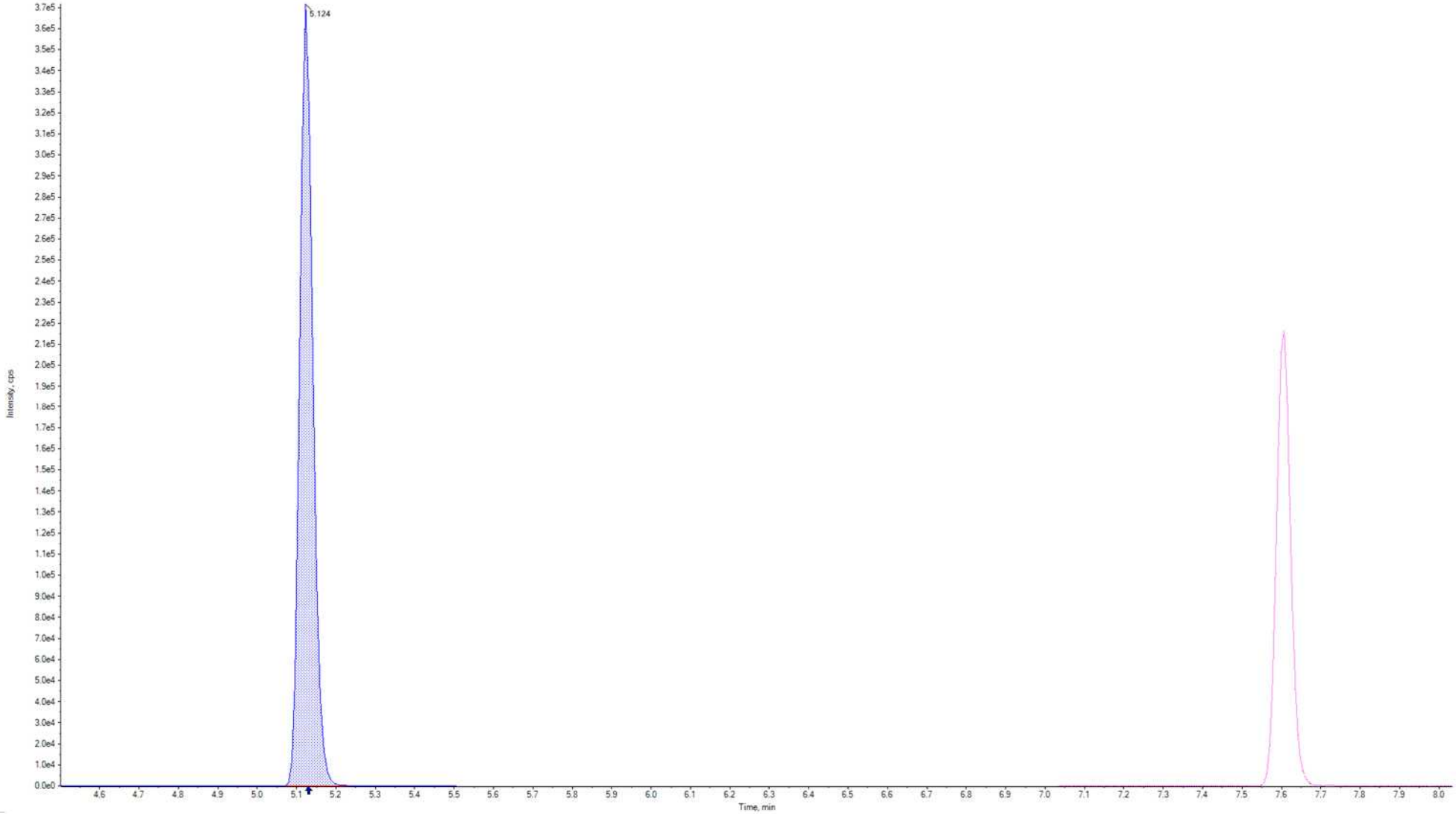


TDCA_2
Sample: IA1633STD-.5 S/N:N/A Points Across peak:N/A



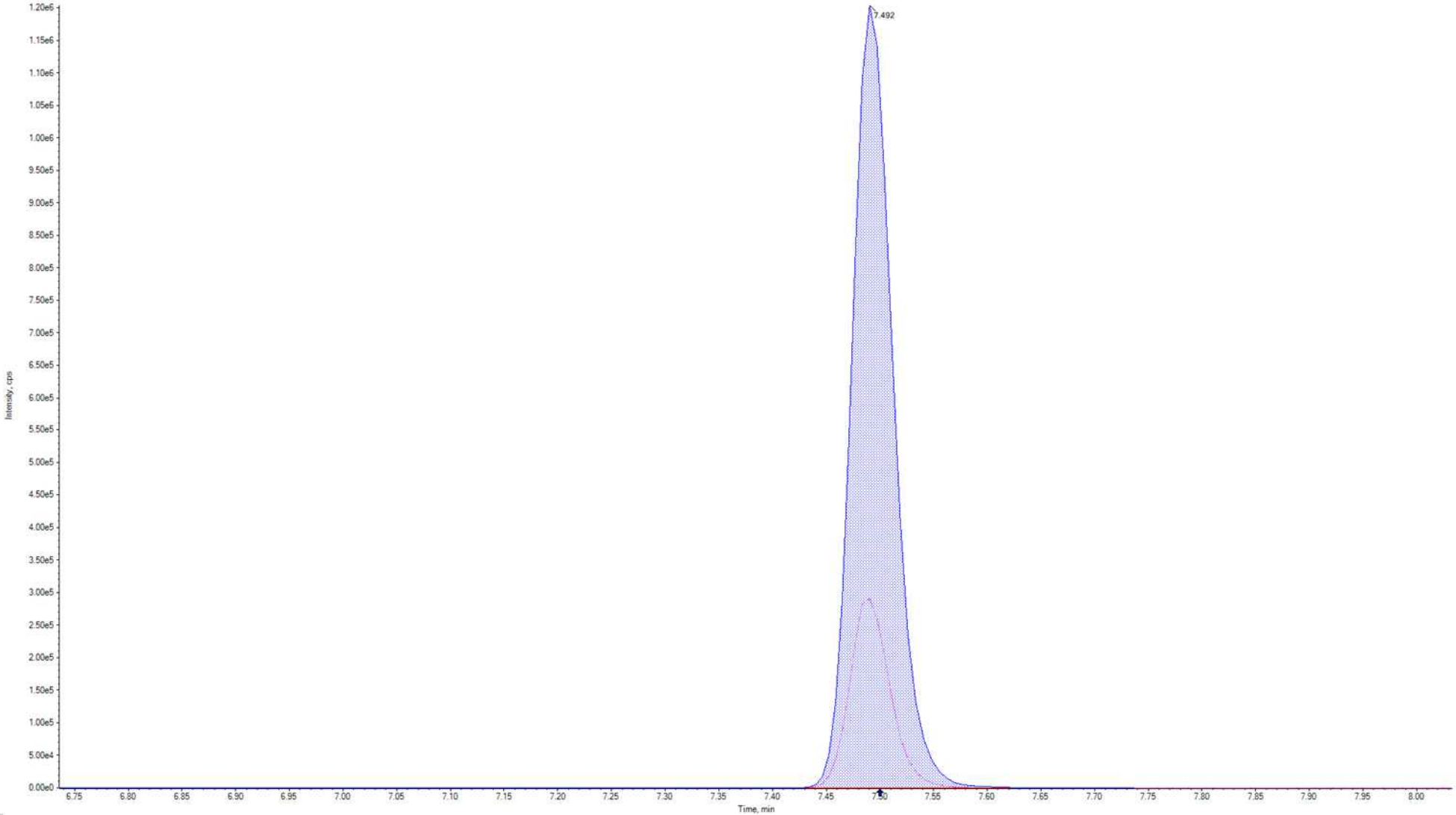
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-.5 S/N:2401.7 Points Across peak:24

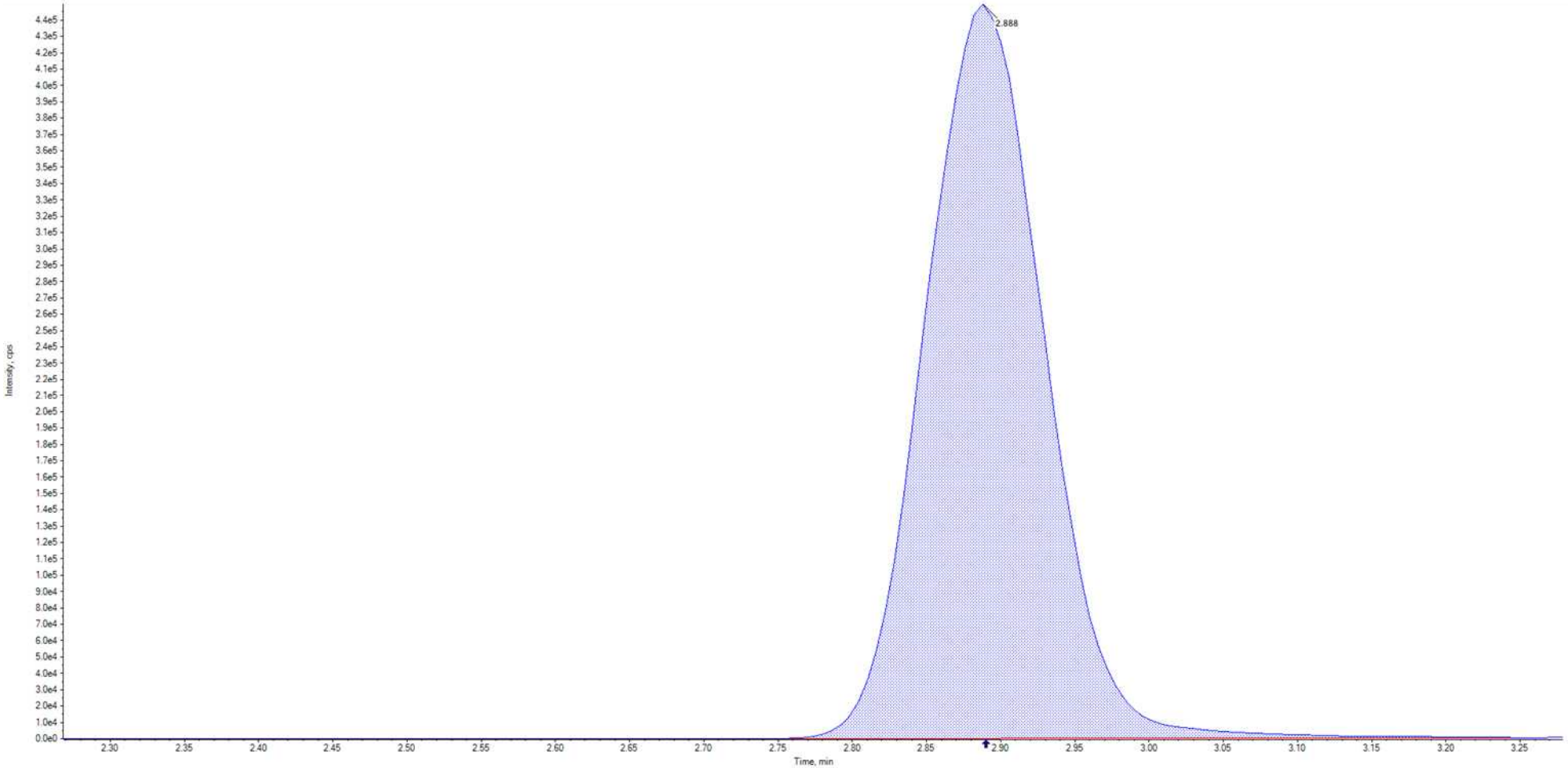


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

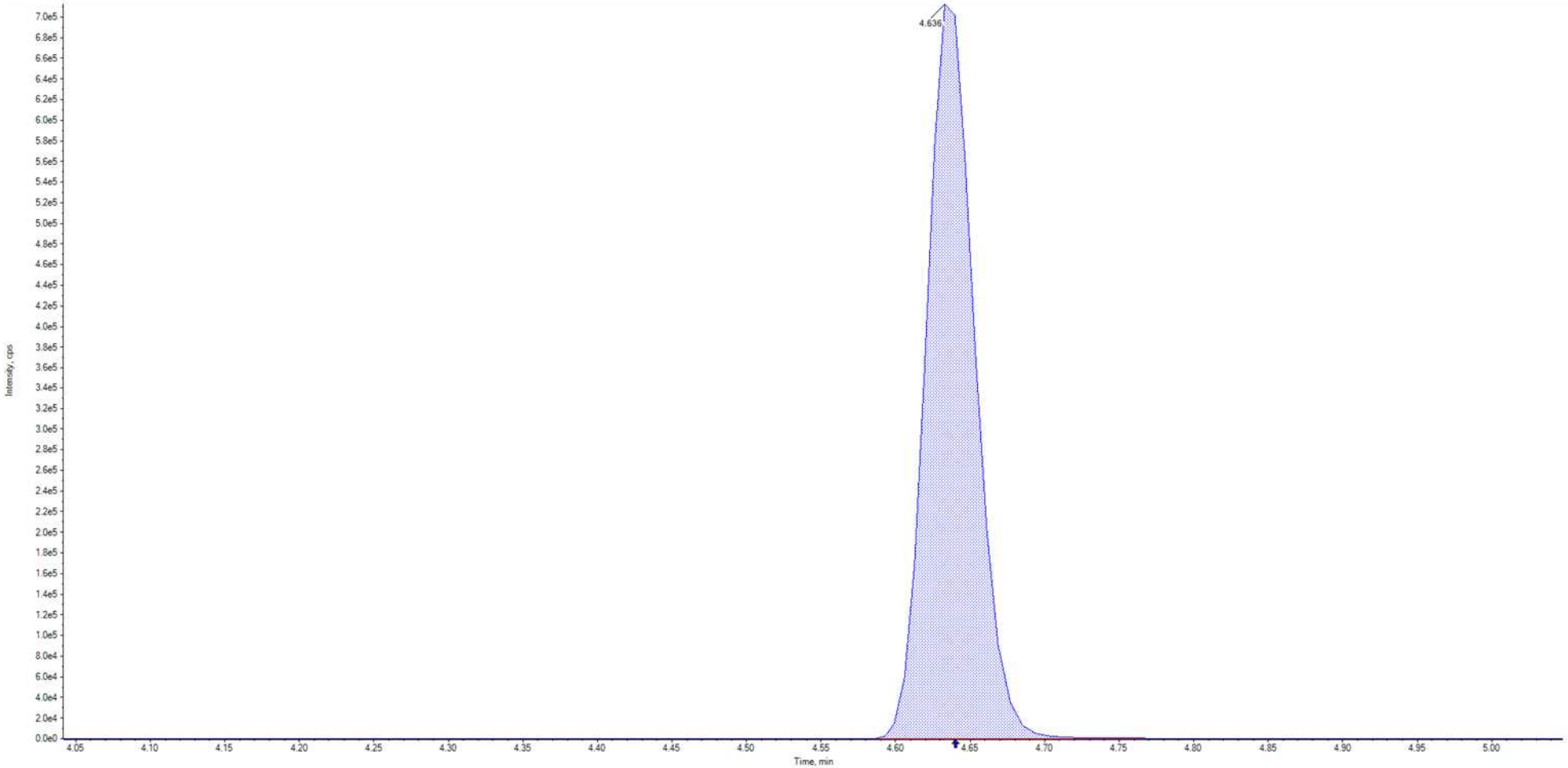
13C2-PFOA
Sample: IA1633STD-.5 S/N:11159.4 Points Across peak:34



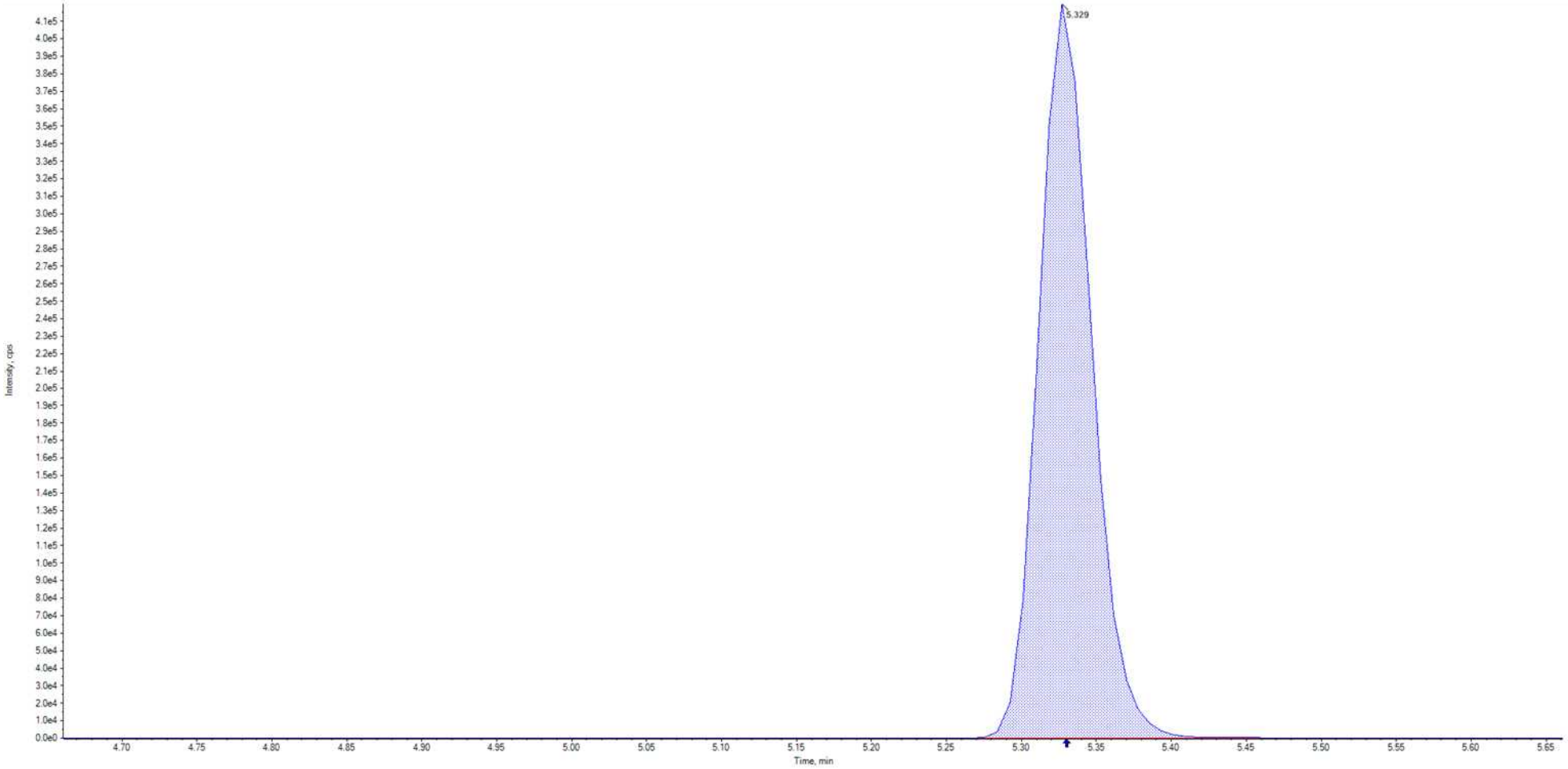
13C4-PFBA
Sample: IA1633STD-.5



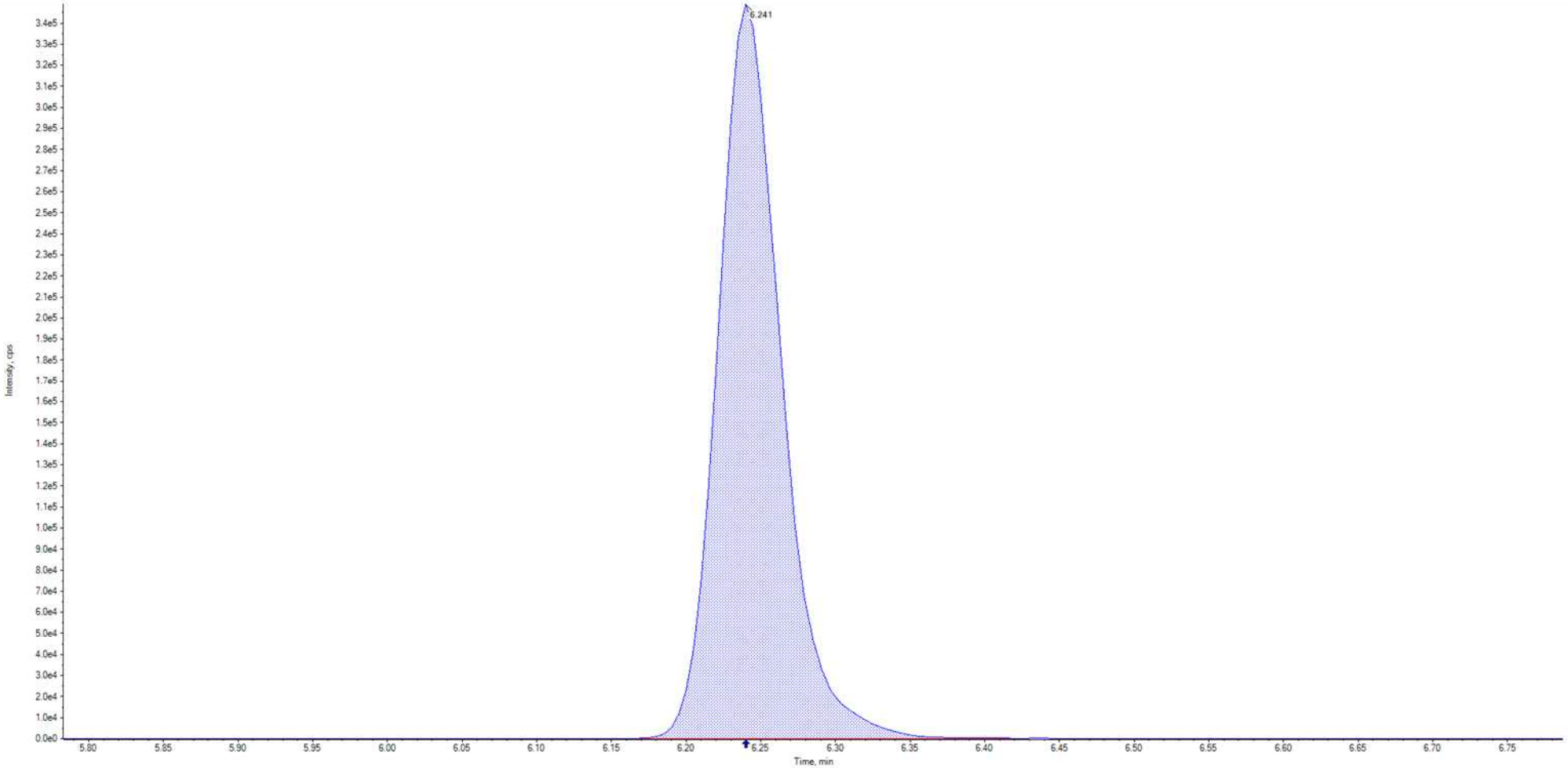
13C5-PFPeA
Sample: IA1633STD-.5



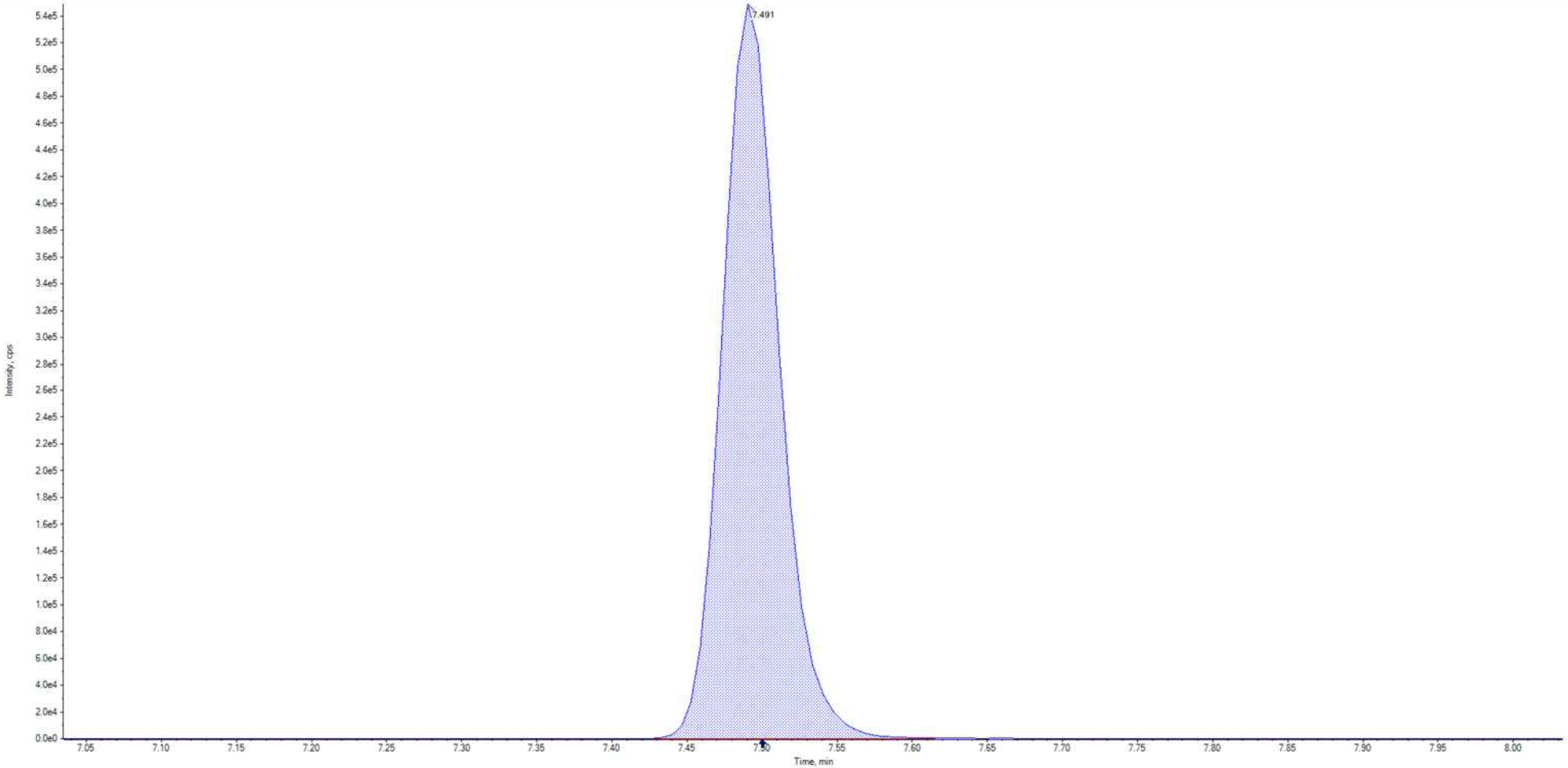
13C5-PFHxA
Sample: IA1633STD-.5



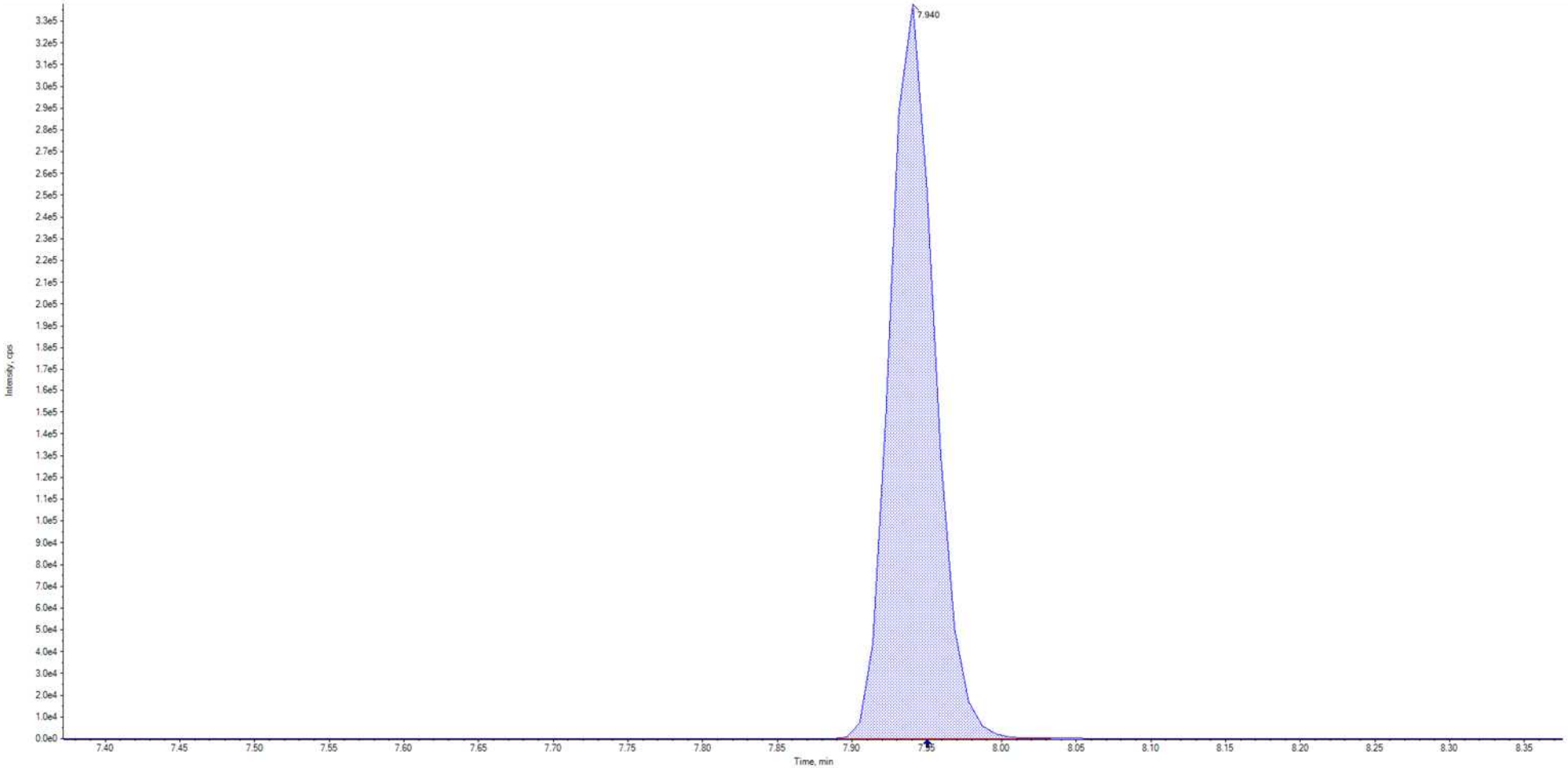
13C4-PFHpA
Sample: IA1633STD-.5



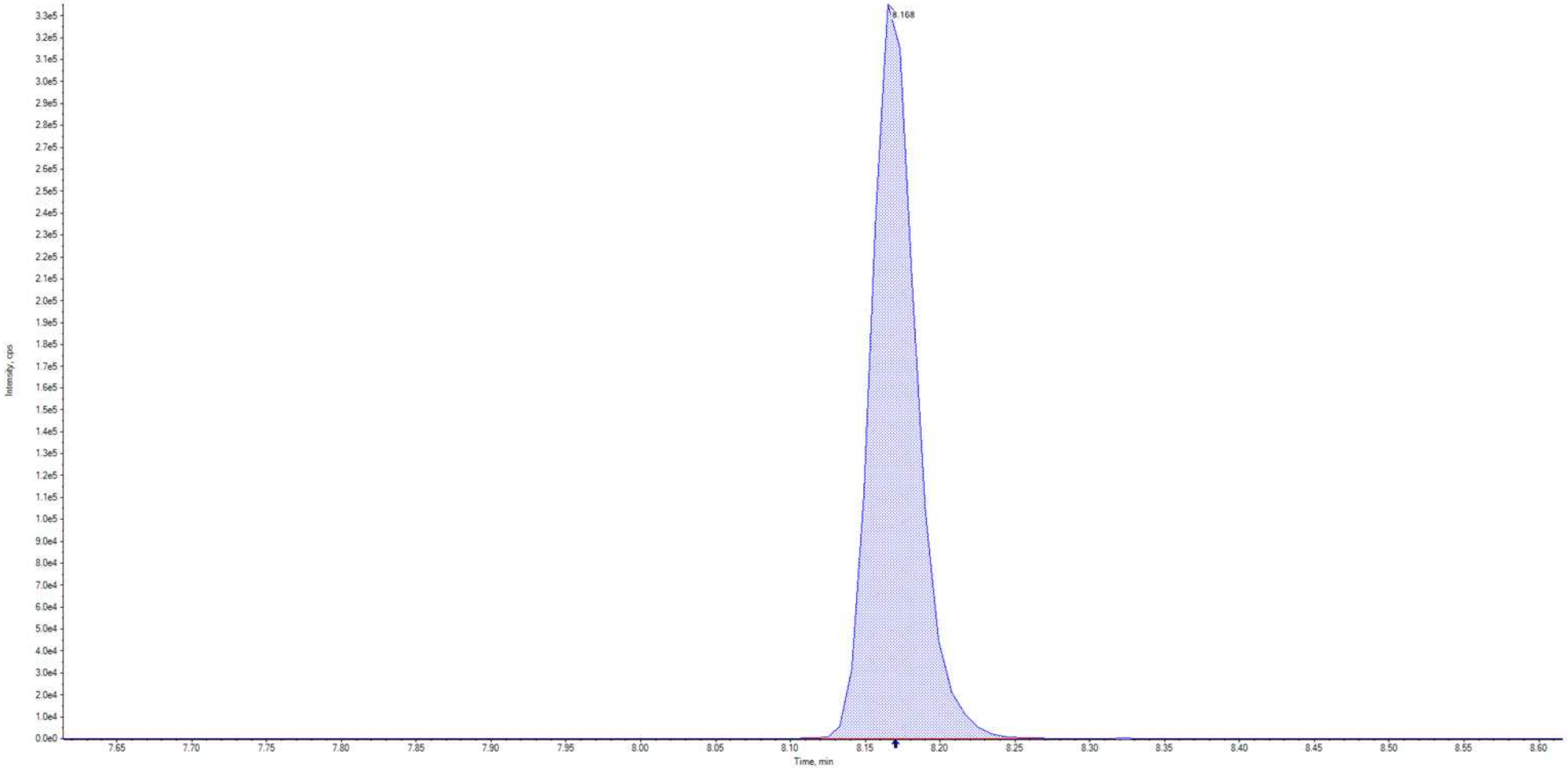
13C8-PFOA
Sample: IA1633STD-.5



13C9-PFNA
Sample: IA1633STD-.5

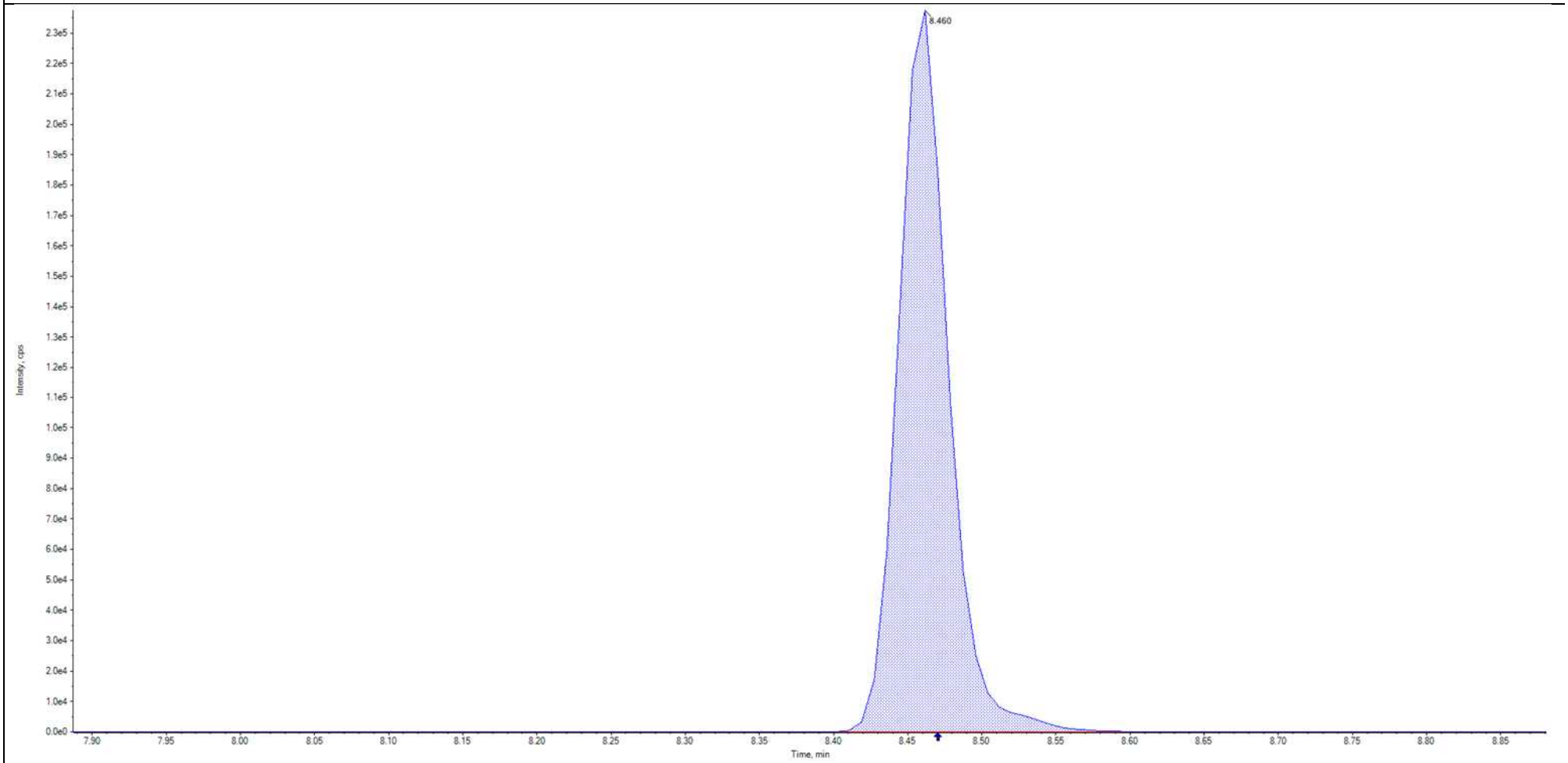


13C6-PFDA
Sample: IA1633STD-.5



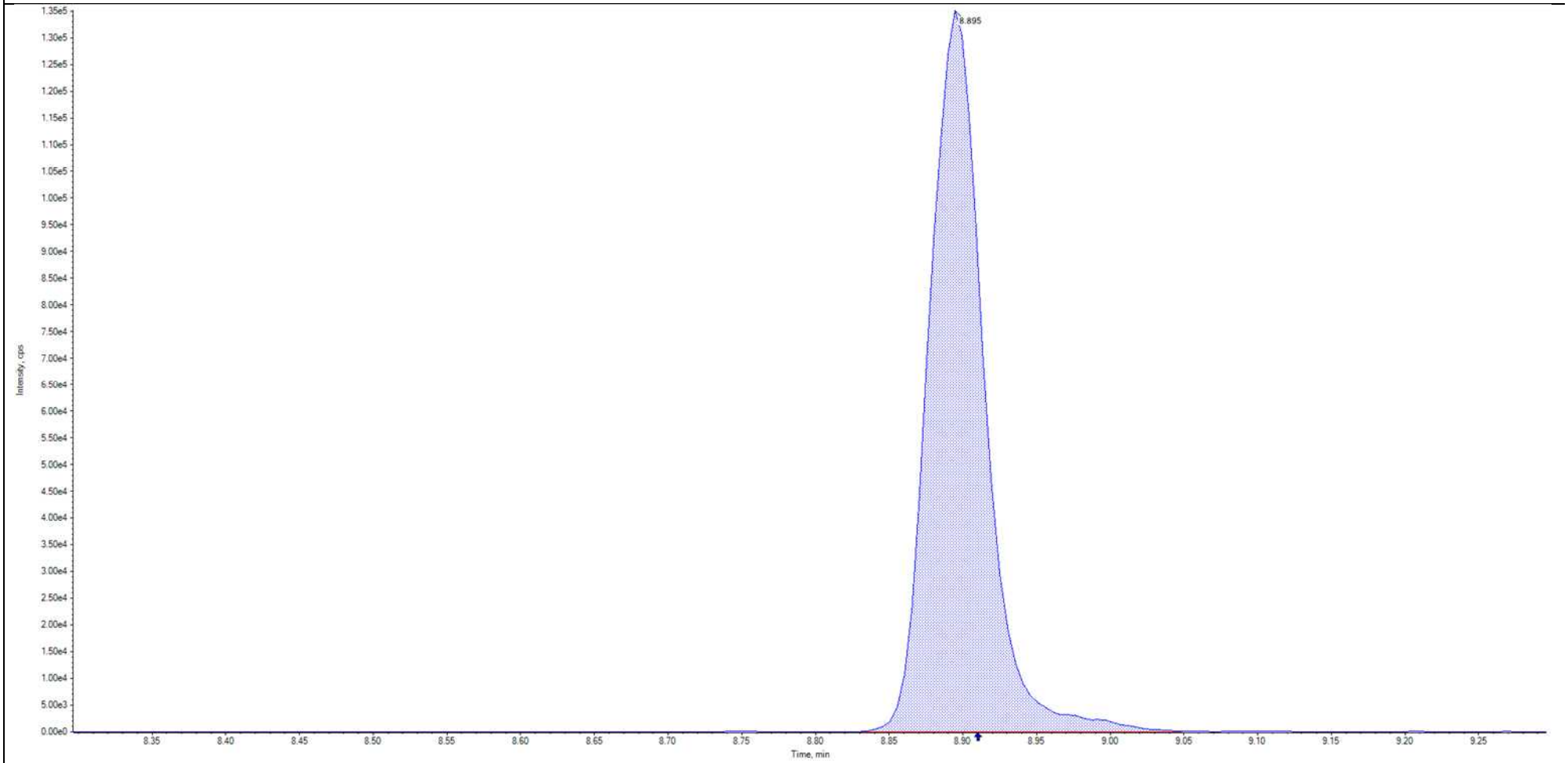
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

13C7-PFUnA
Sample: IA1633STD-.5

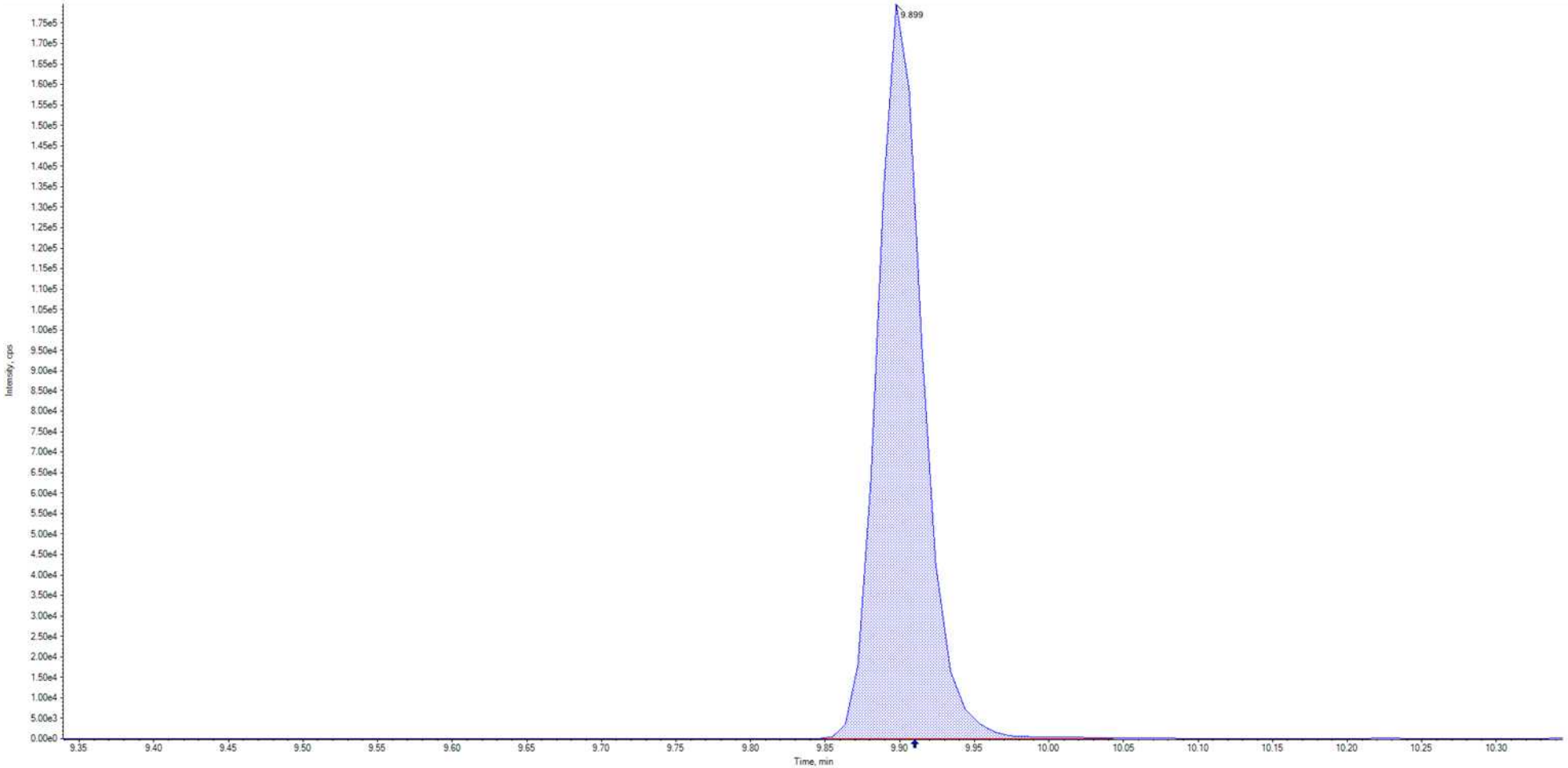


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

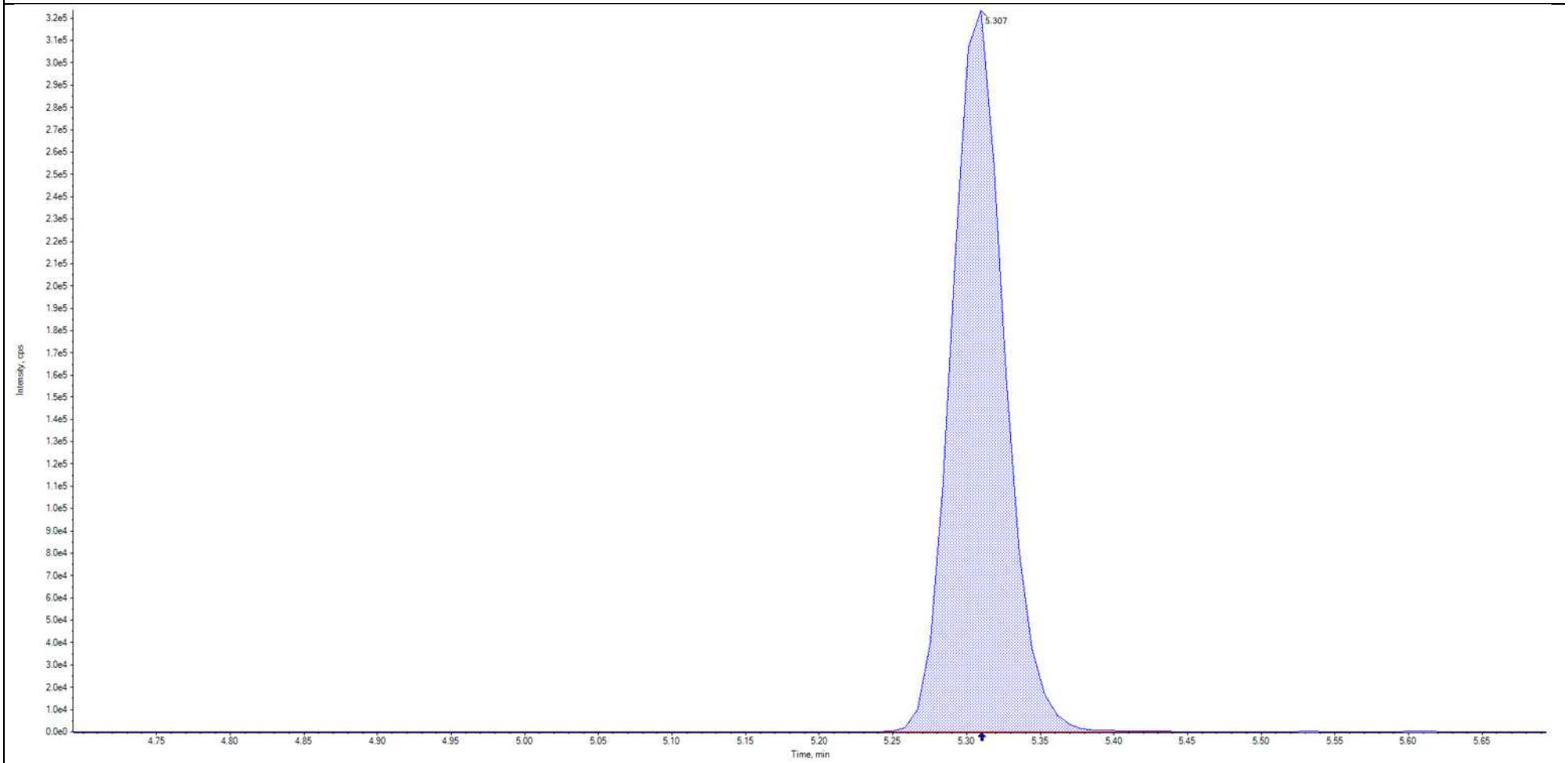
13C2-PFDoA
Sample: IA1633STD-.5



13C2-PFTeDA
Sample: IA1633STD-.5

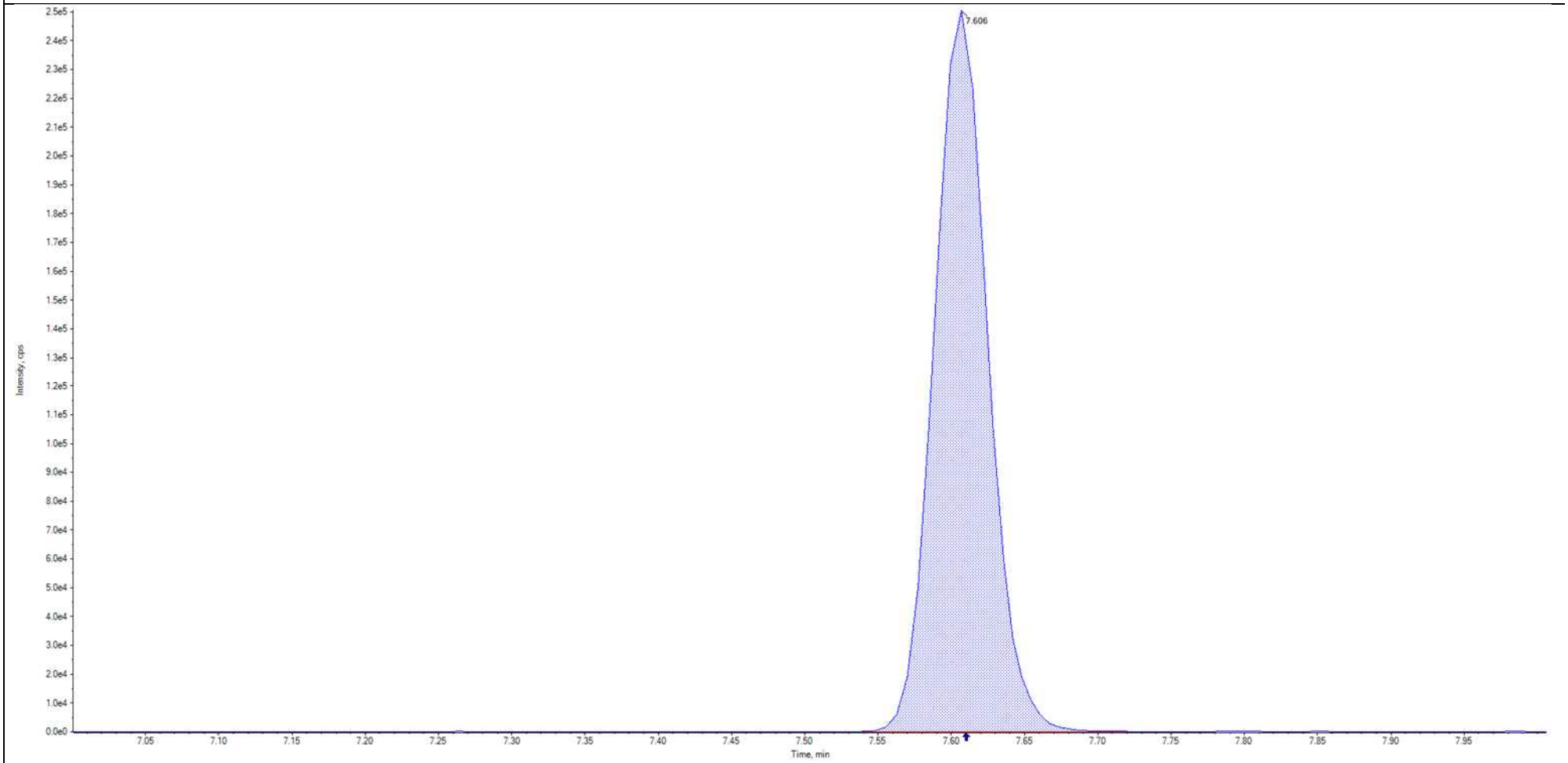


13C3-PFBS
Sample: IA1633STD-.5

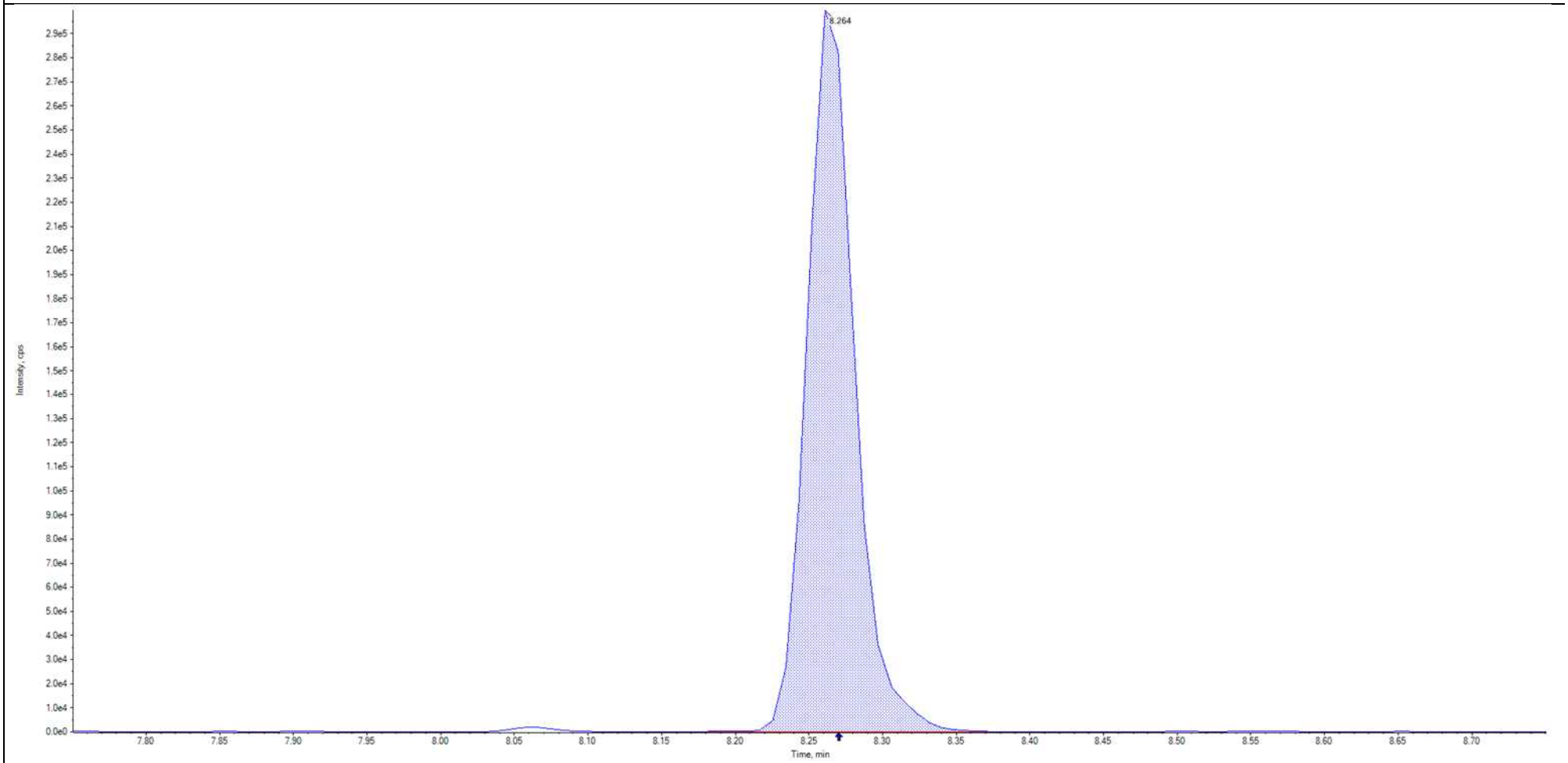


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

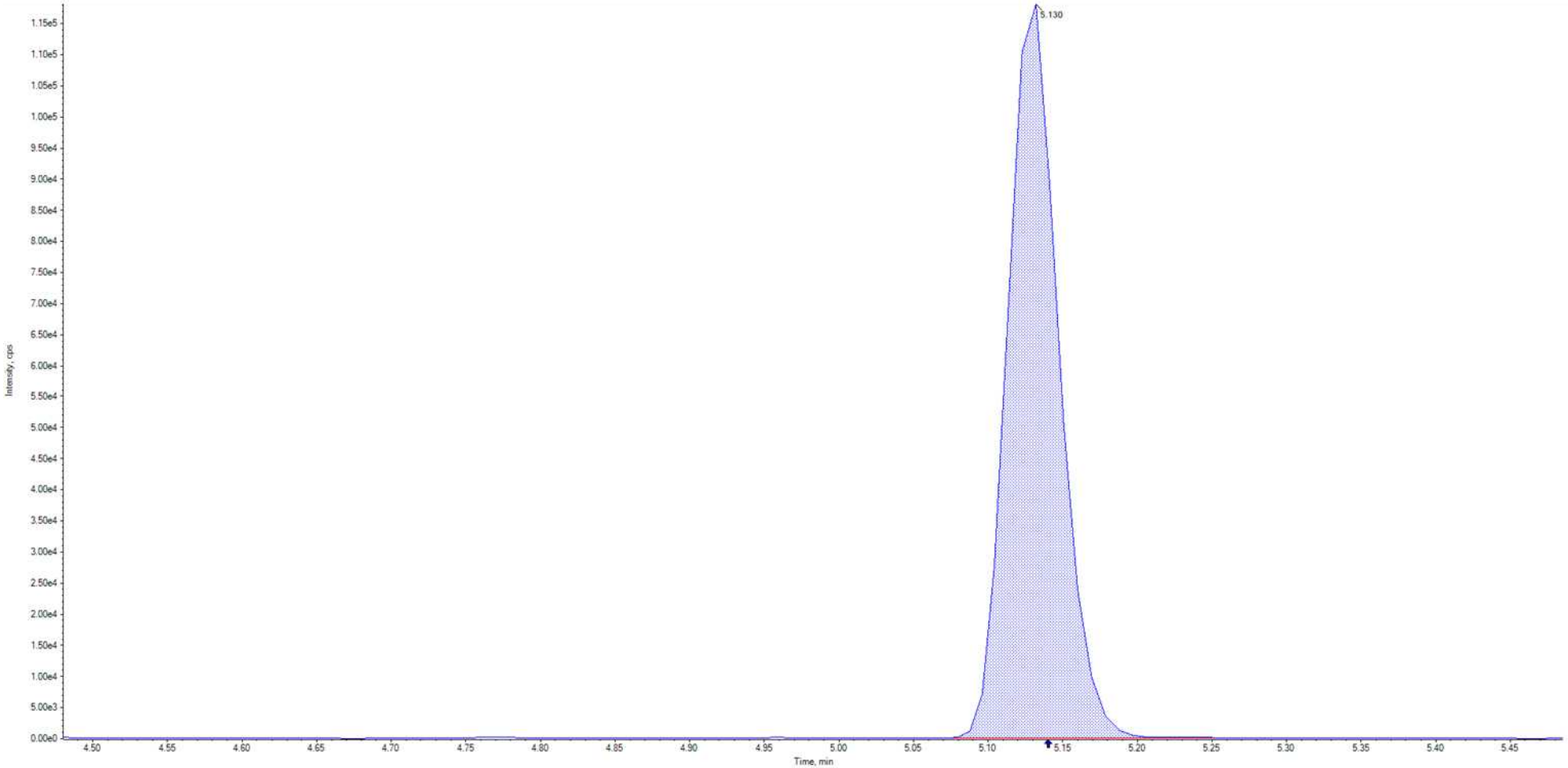
13C3-PFHxS
Sample: IA1633STD-.5



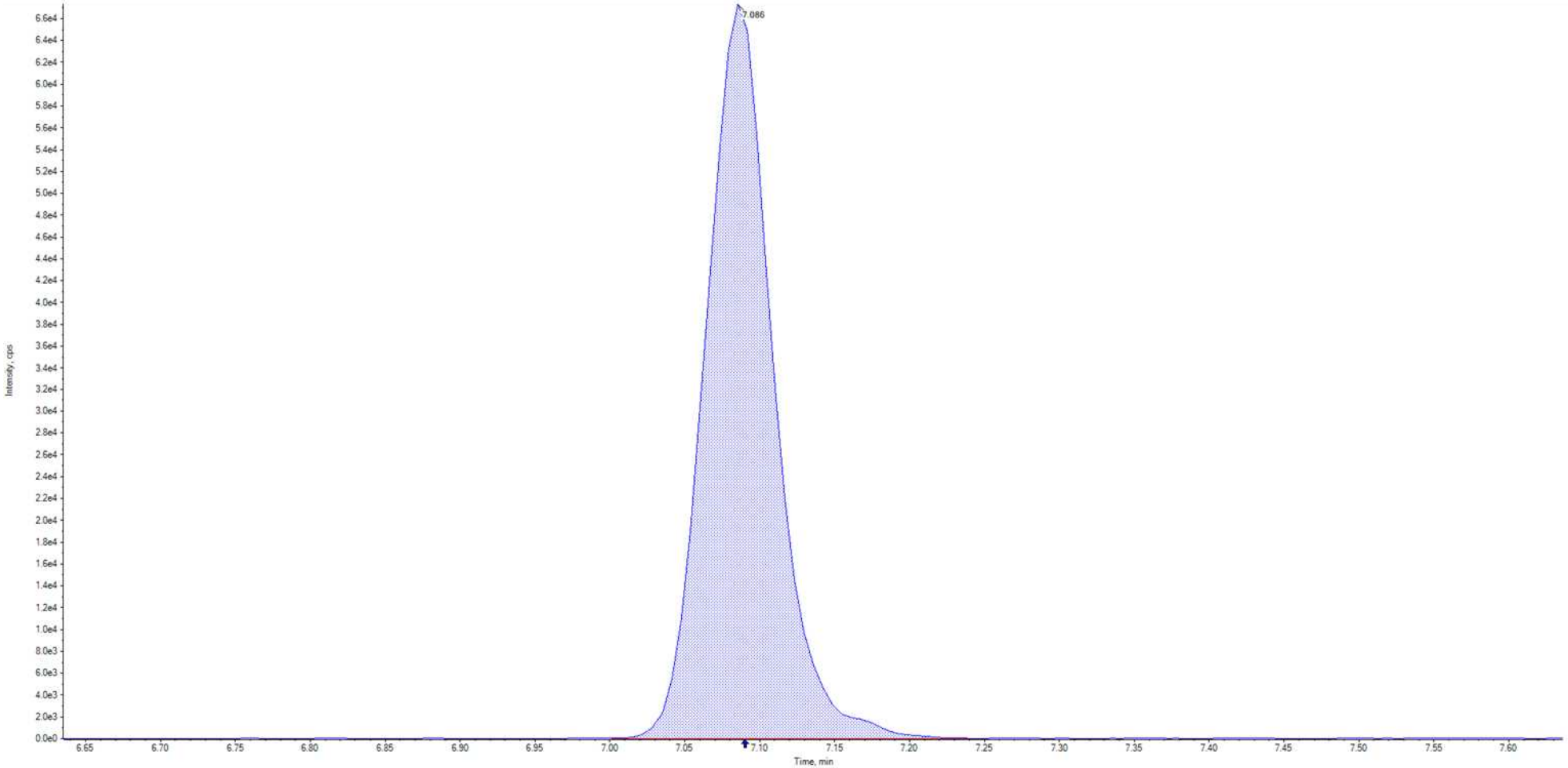
13C8-PFOS
Sample: IA1633STD-.5



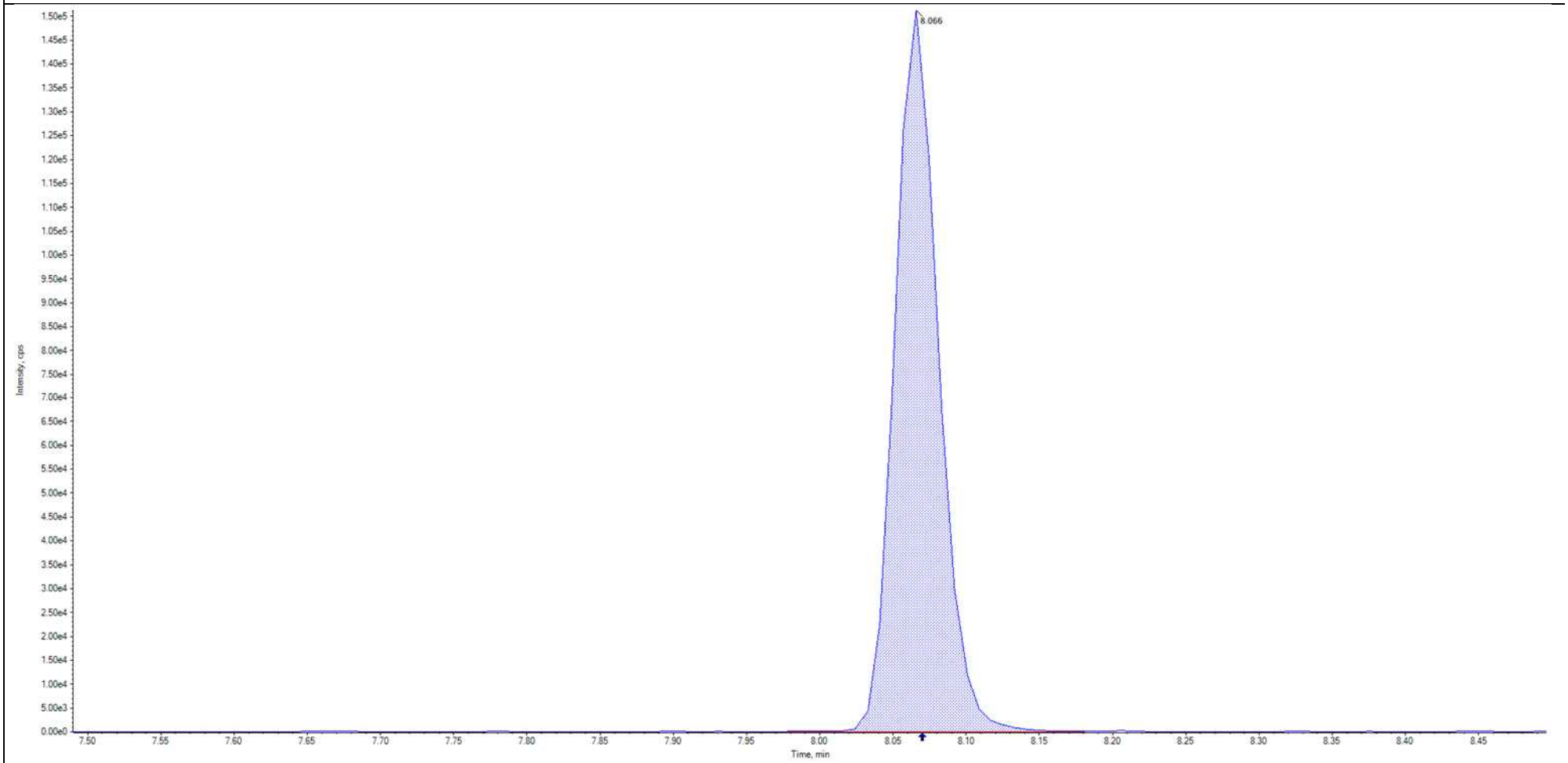
13C2-4:2FTS
Sample: IA1633STD-.5



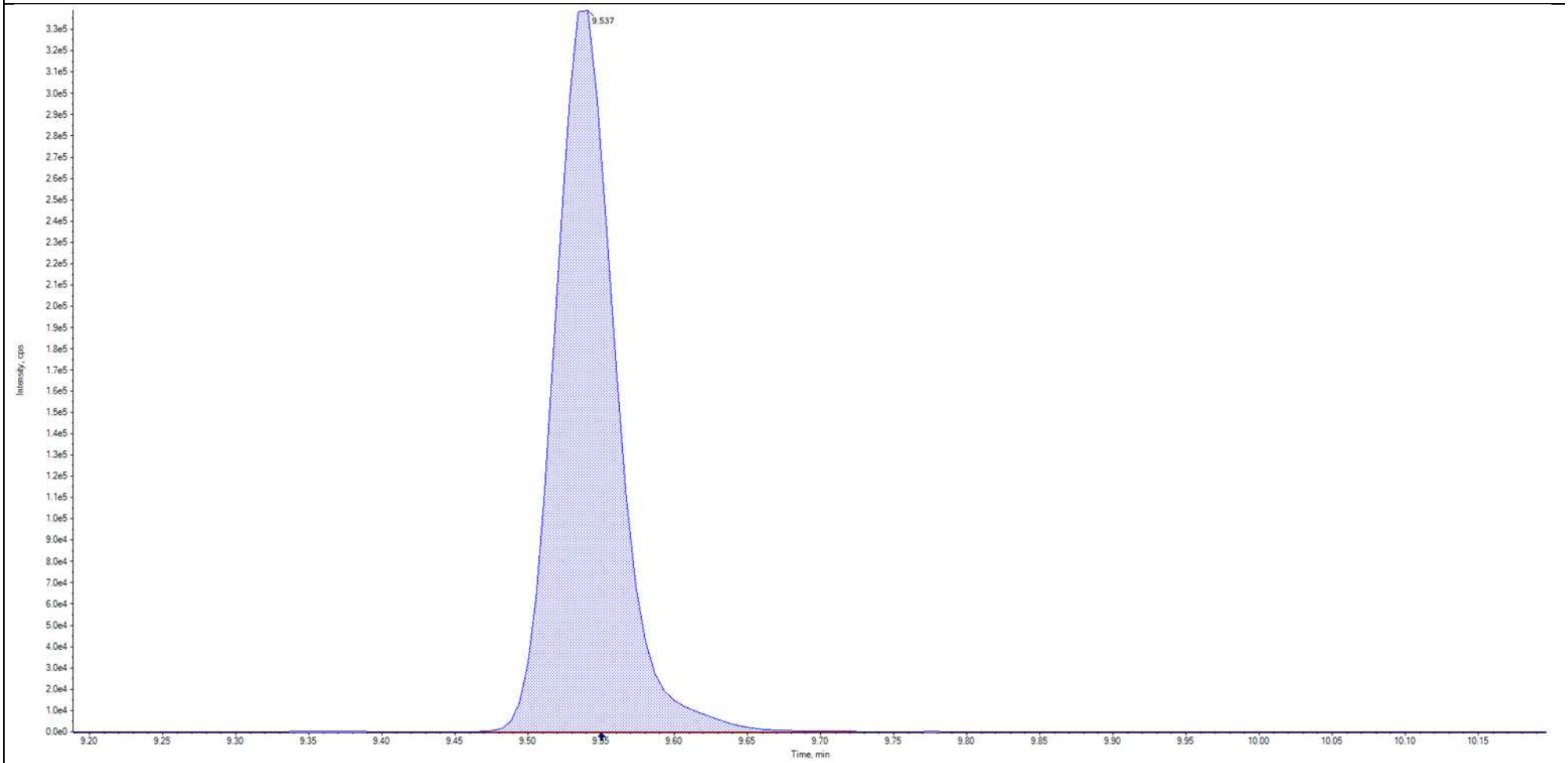
13C2-6:2FTS
Sample: IA1633STD-.5



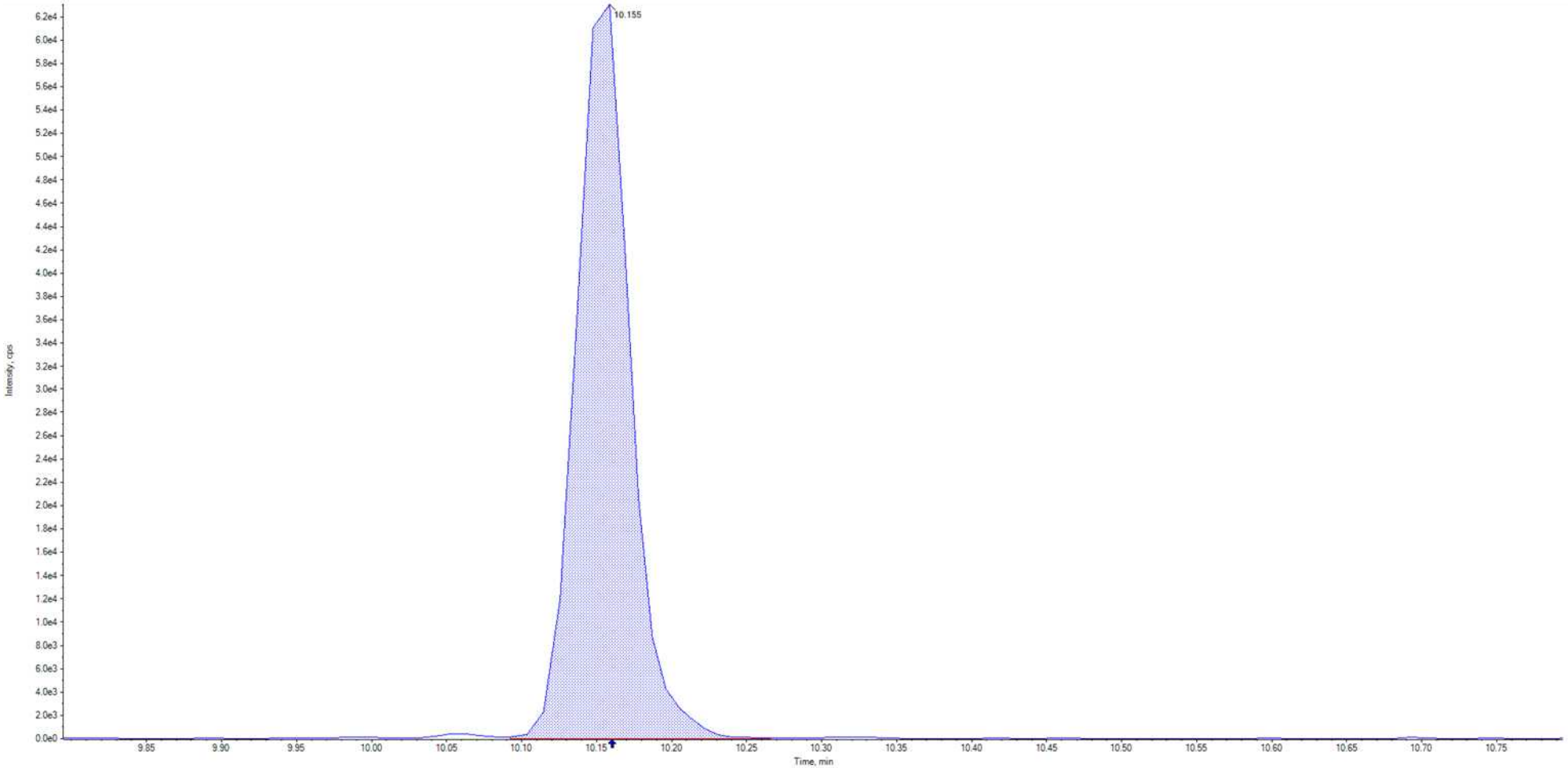
13C2-8:2FTS
Sample: IA1633STD-.5



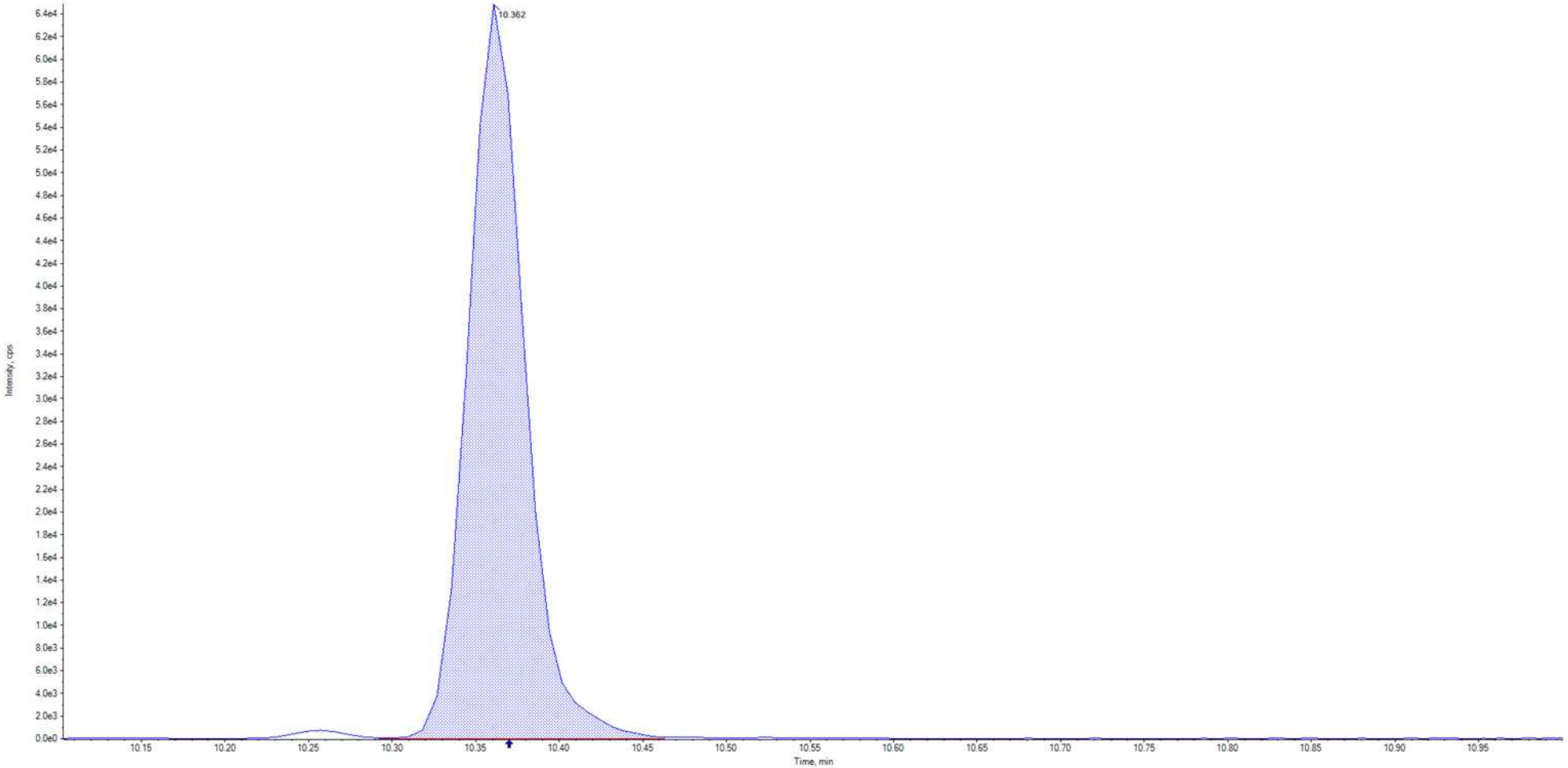
13C8-PFOSA
Sample: IA1633STD-.5



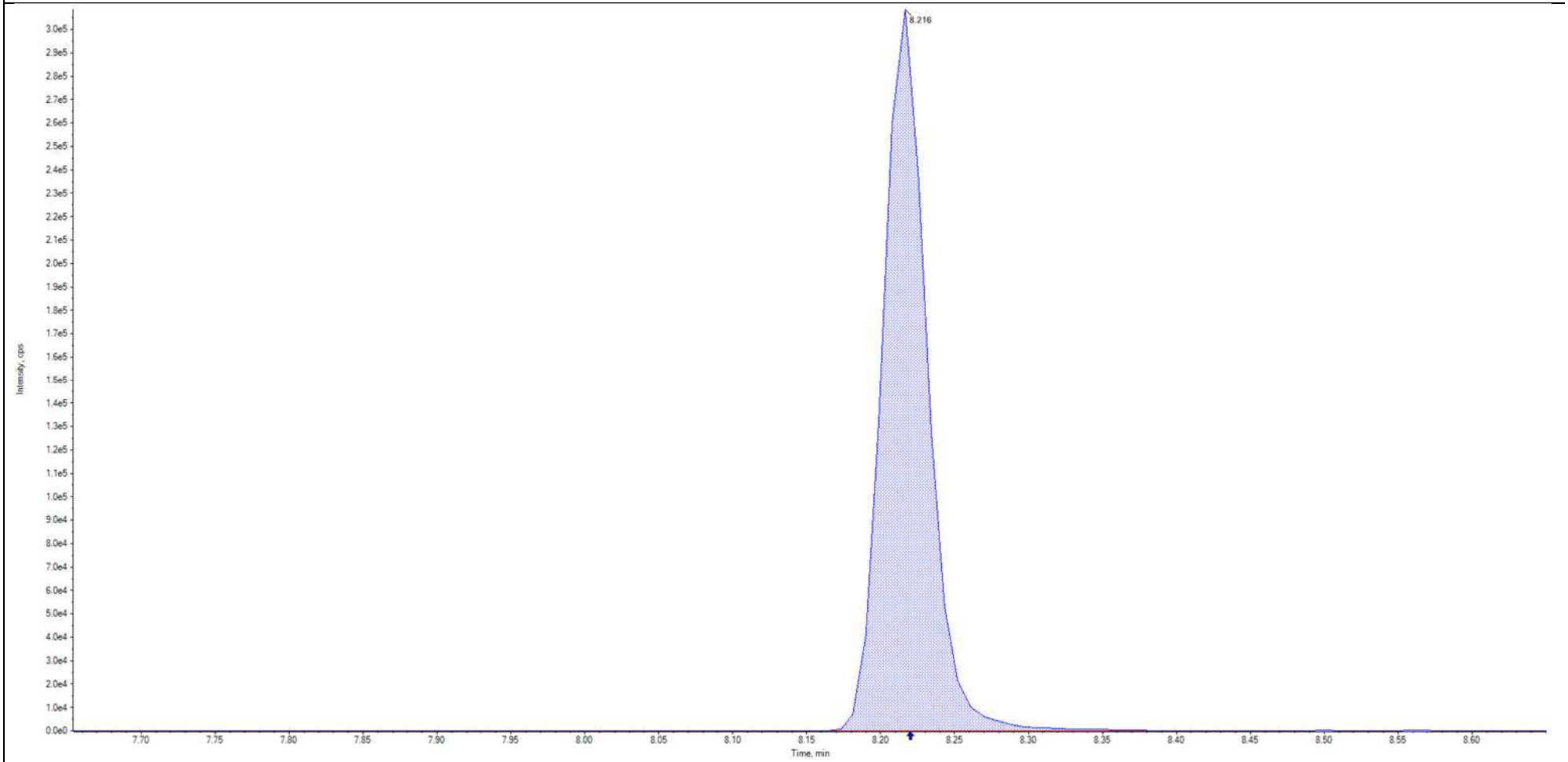
d3-NMeFOSA
Sample: IA1633STD-.5



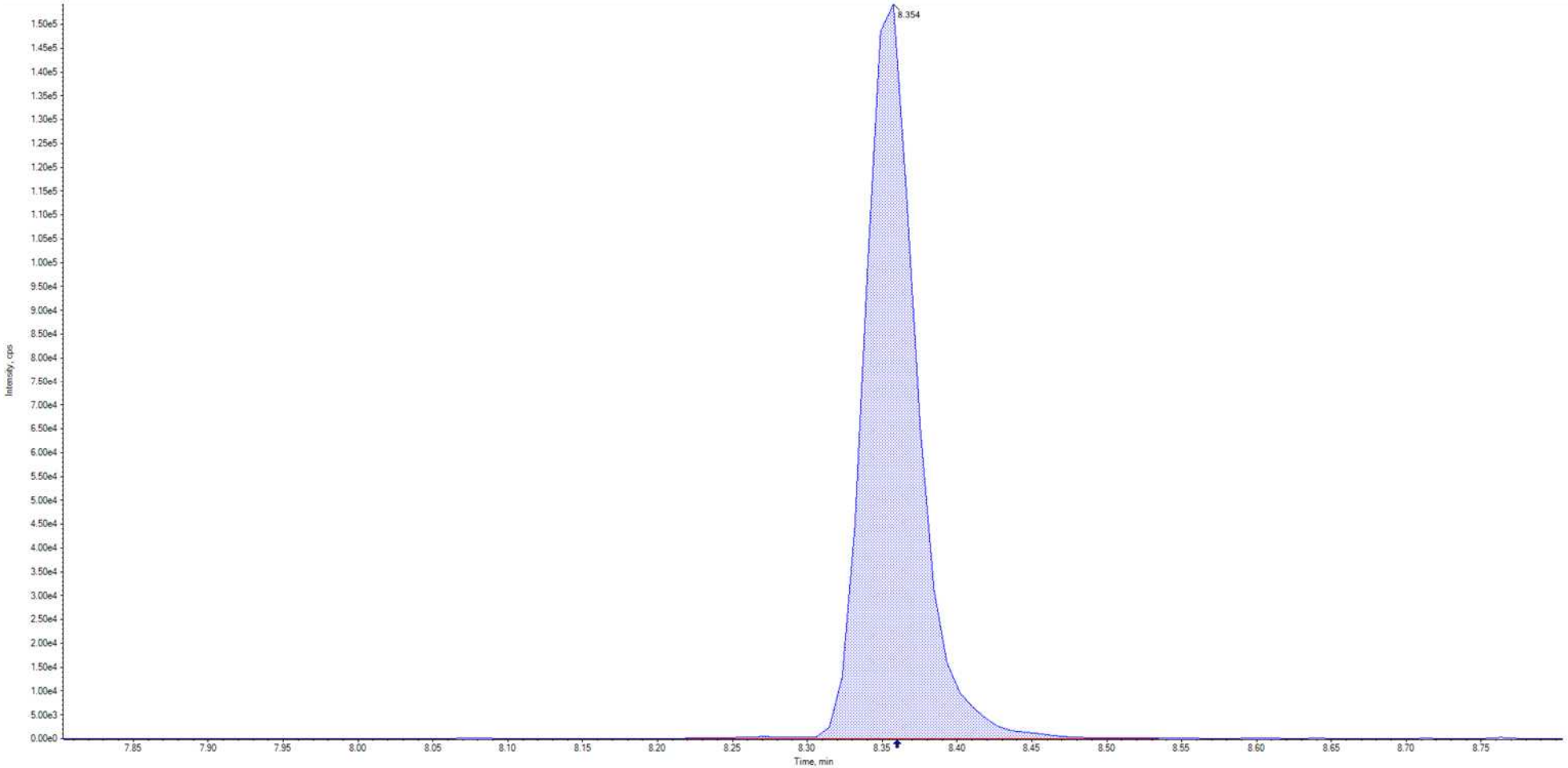
d5-NEtFOSA
Sample: IA1633STD-.5



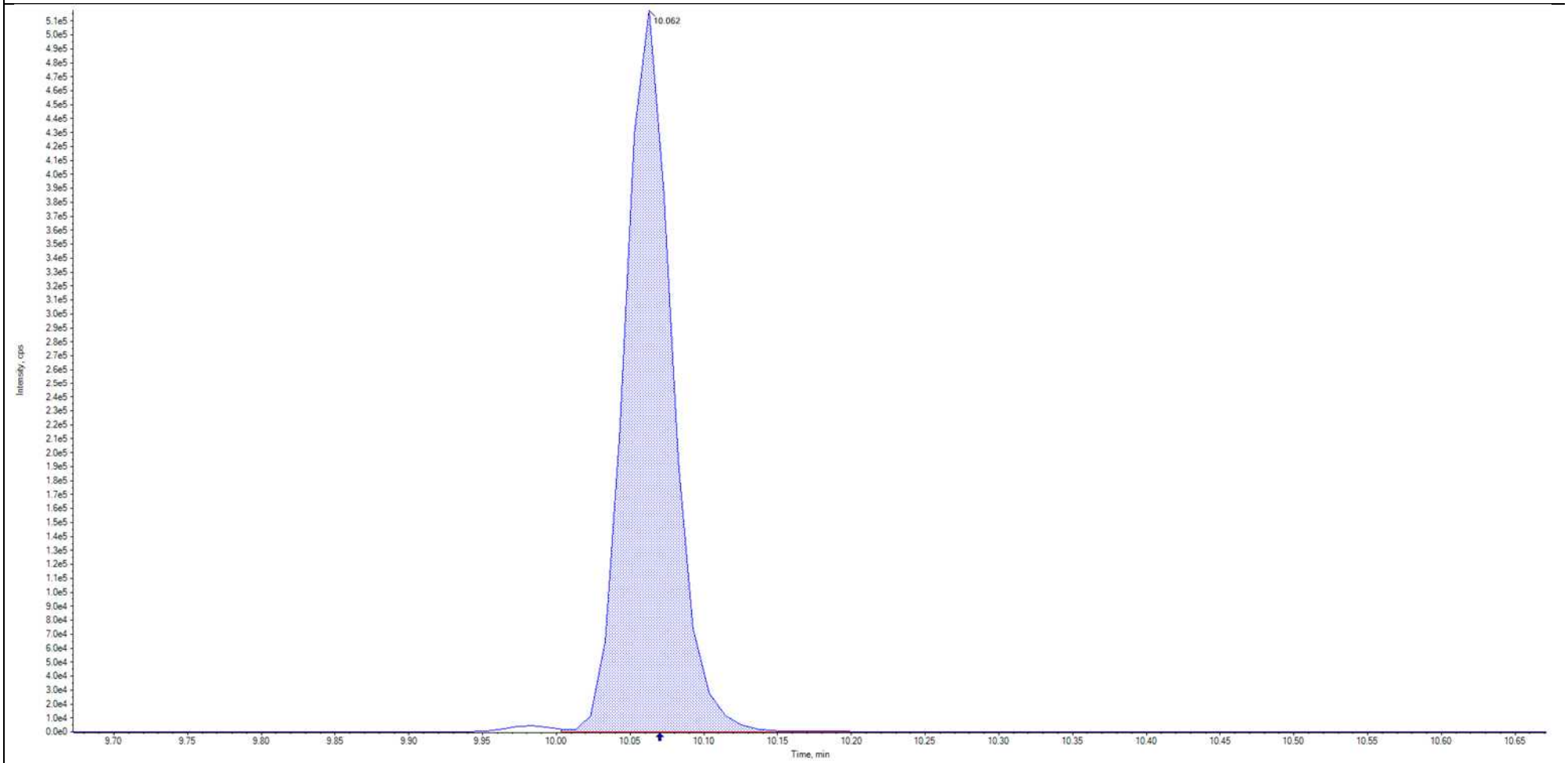
d3-NMeFOSAA
Sample: IA1633STD-.5



d5-NEtFOSAA
Sample: IA1633STD-.5

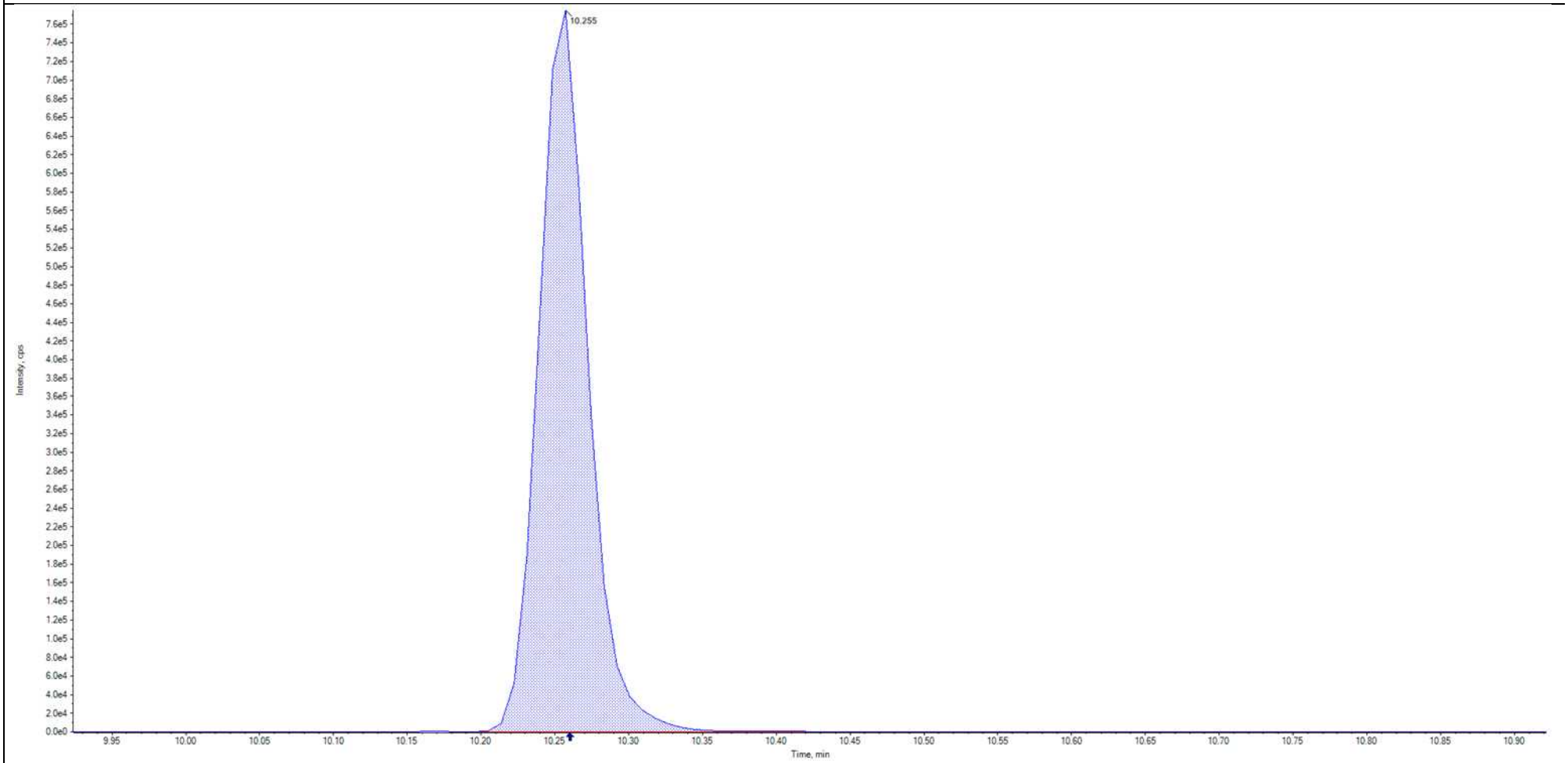


d7-NMeFOSE
Sample: IA1633STD-.5

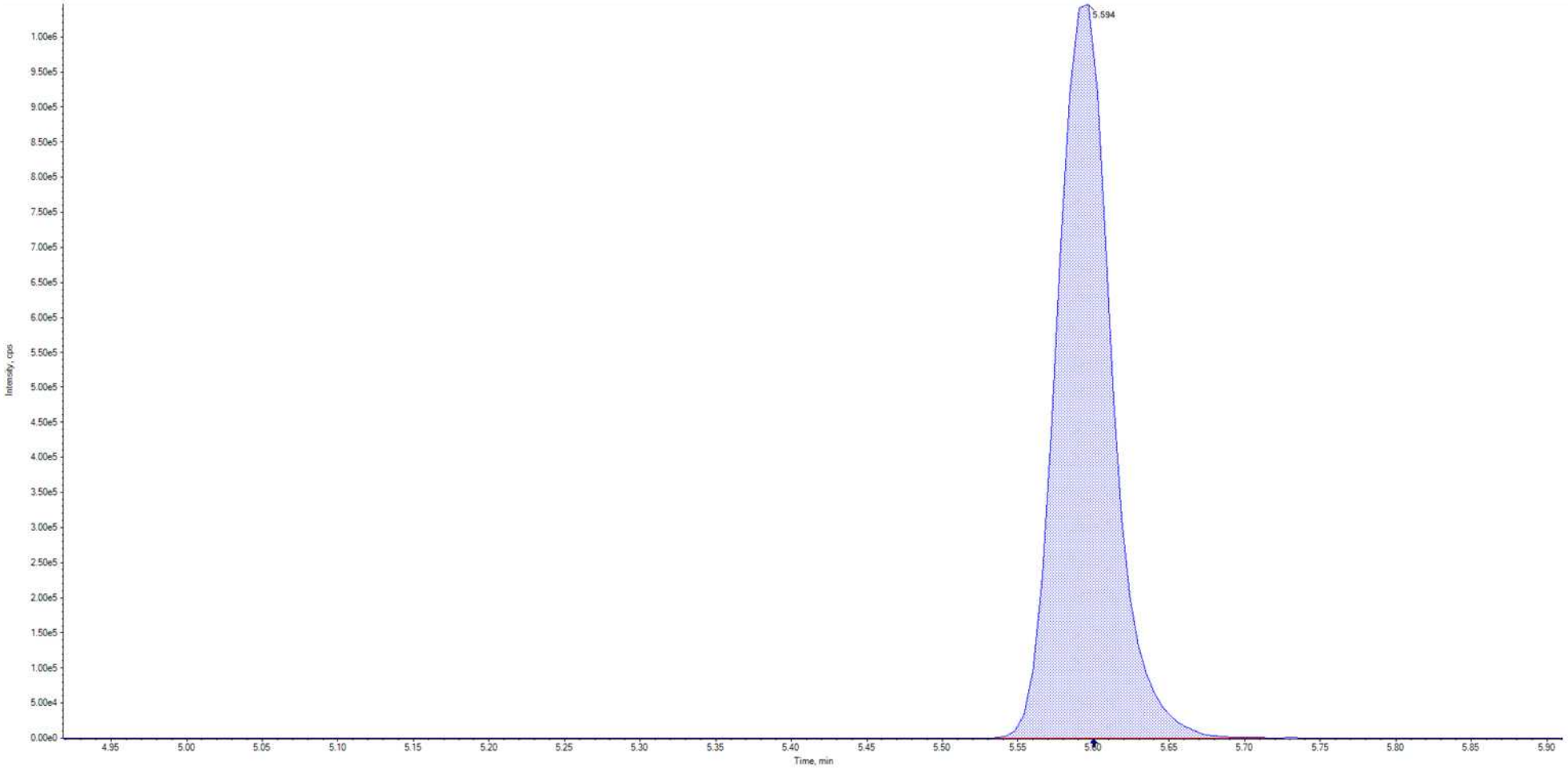


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

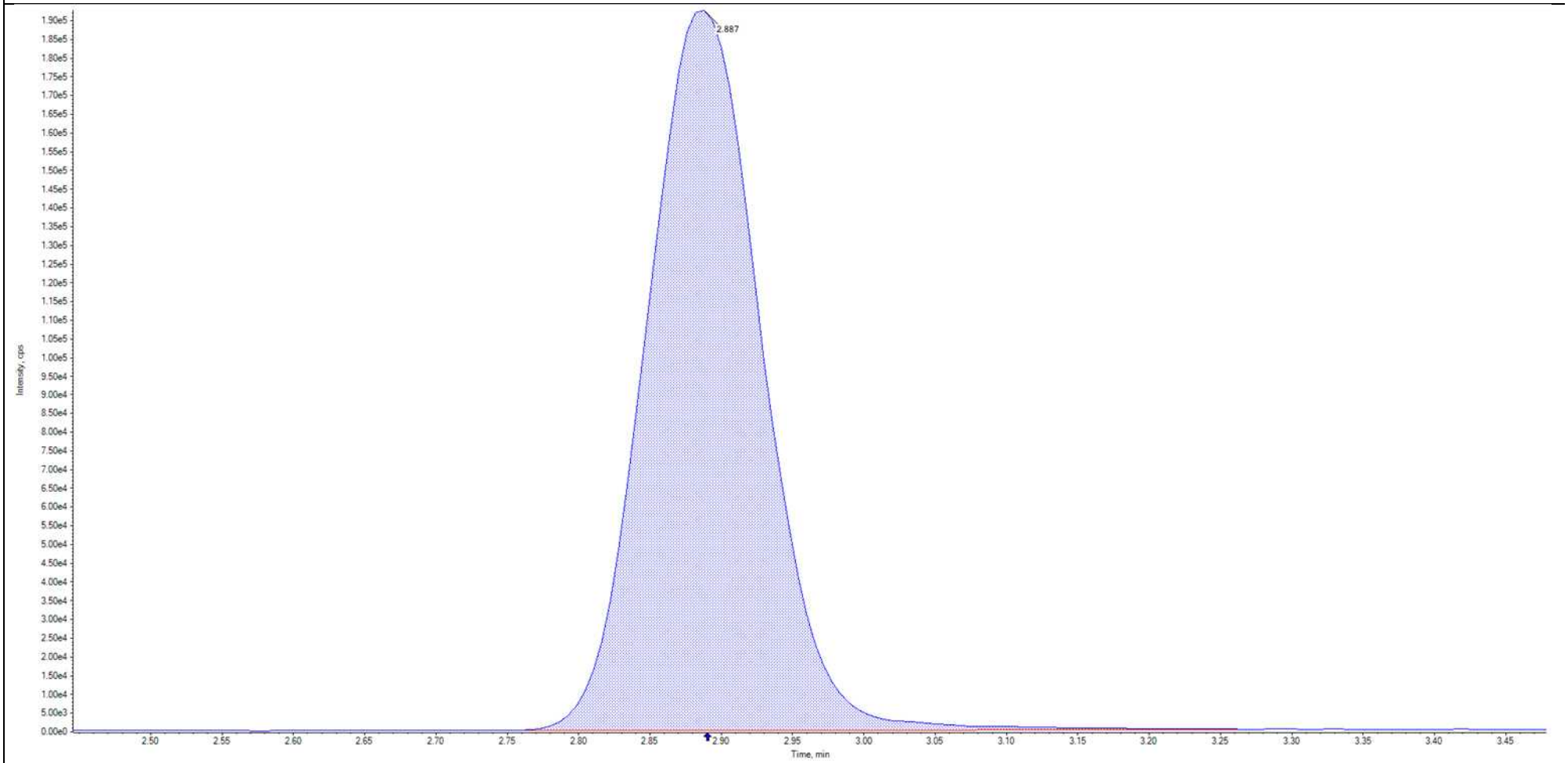
d9-NEtFOSE
Sample: IA1633STD-.5



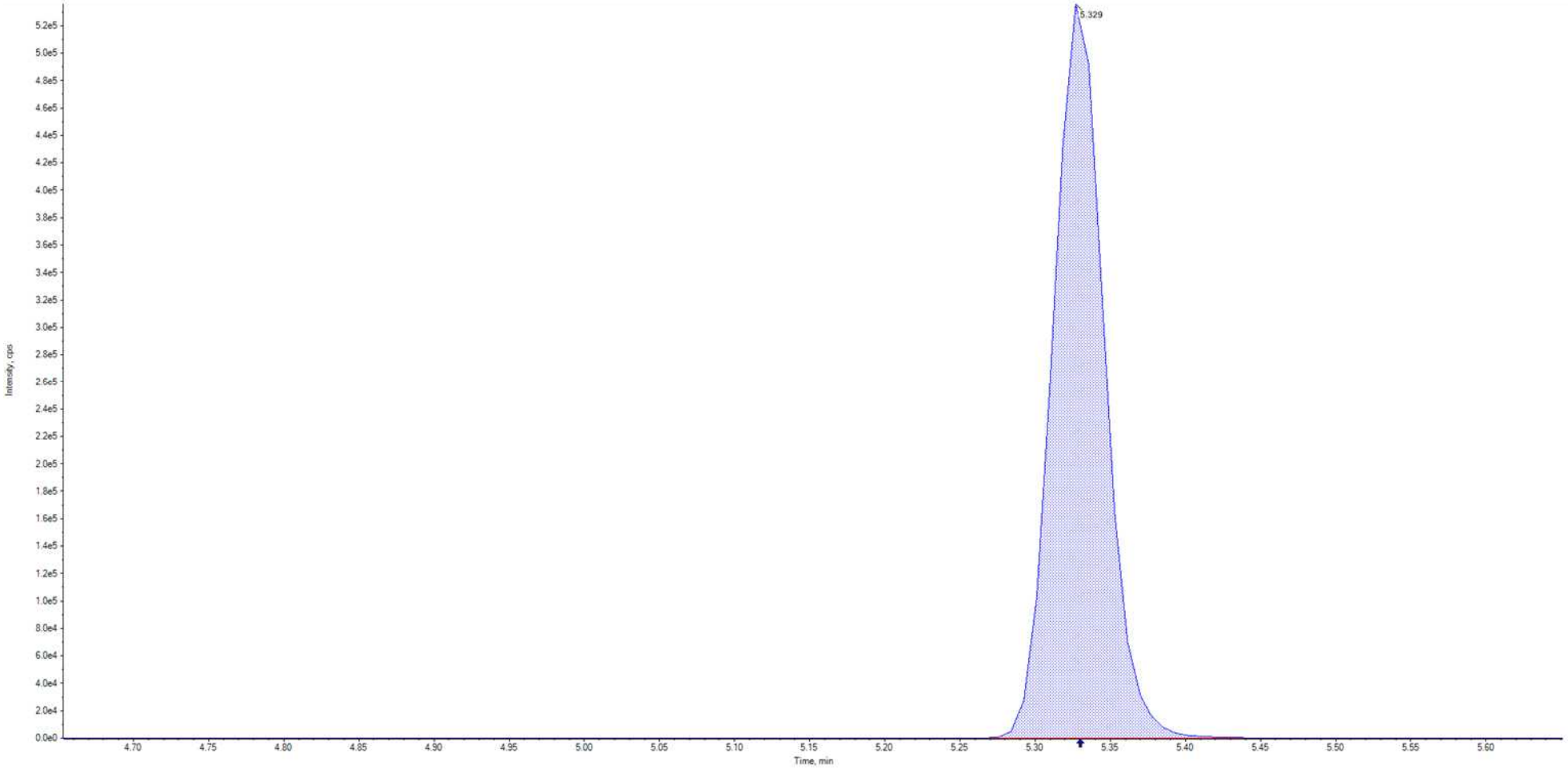
13C3-HFPO-DA
Sample: IA1633STD-.5



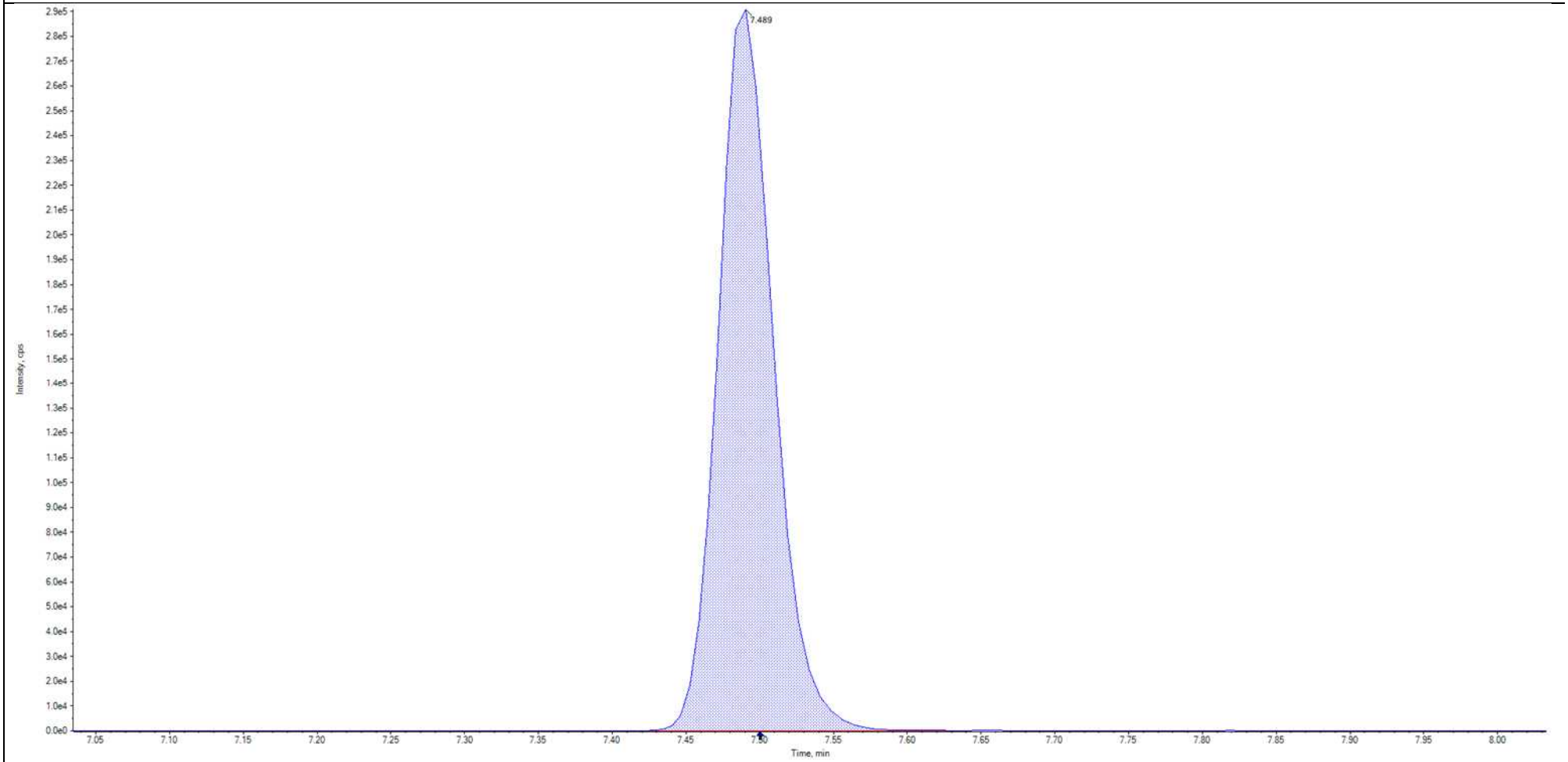
13C3-PFBA
Sample: IA1633STD-.5



13C2-PFHxA
Sample: IA1633STD-.5



13C4-PFOA
Sample: IA1633STD-.5



13C5-PFNA
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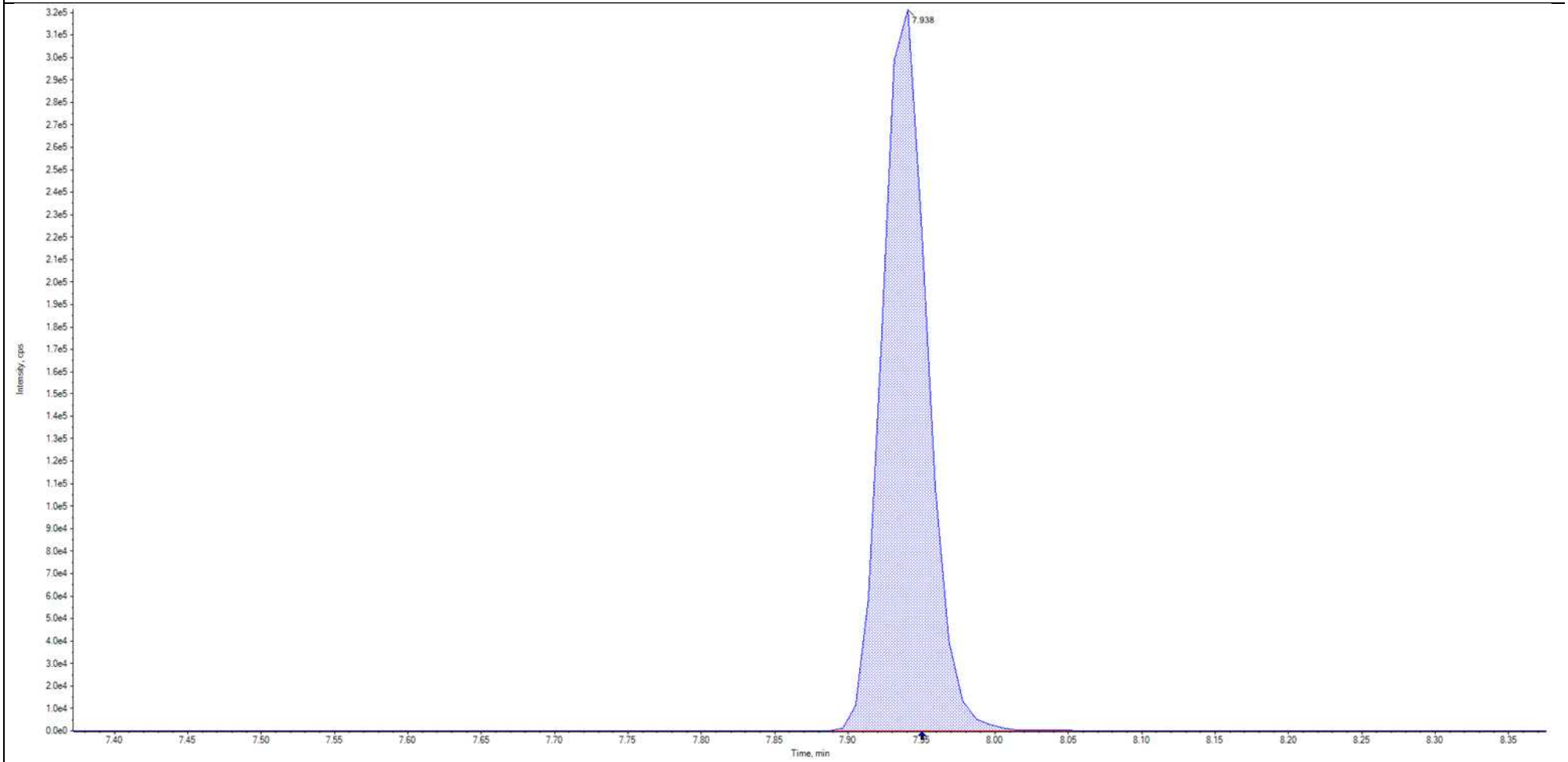
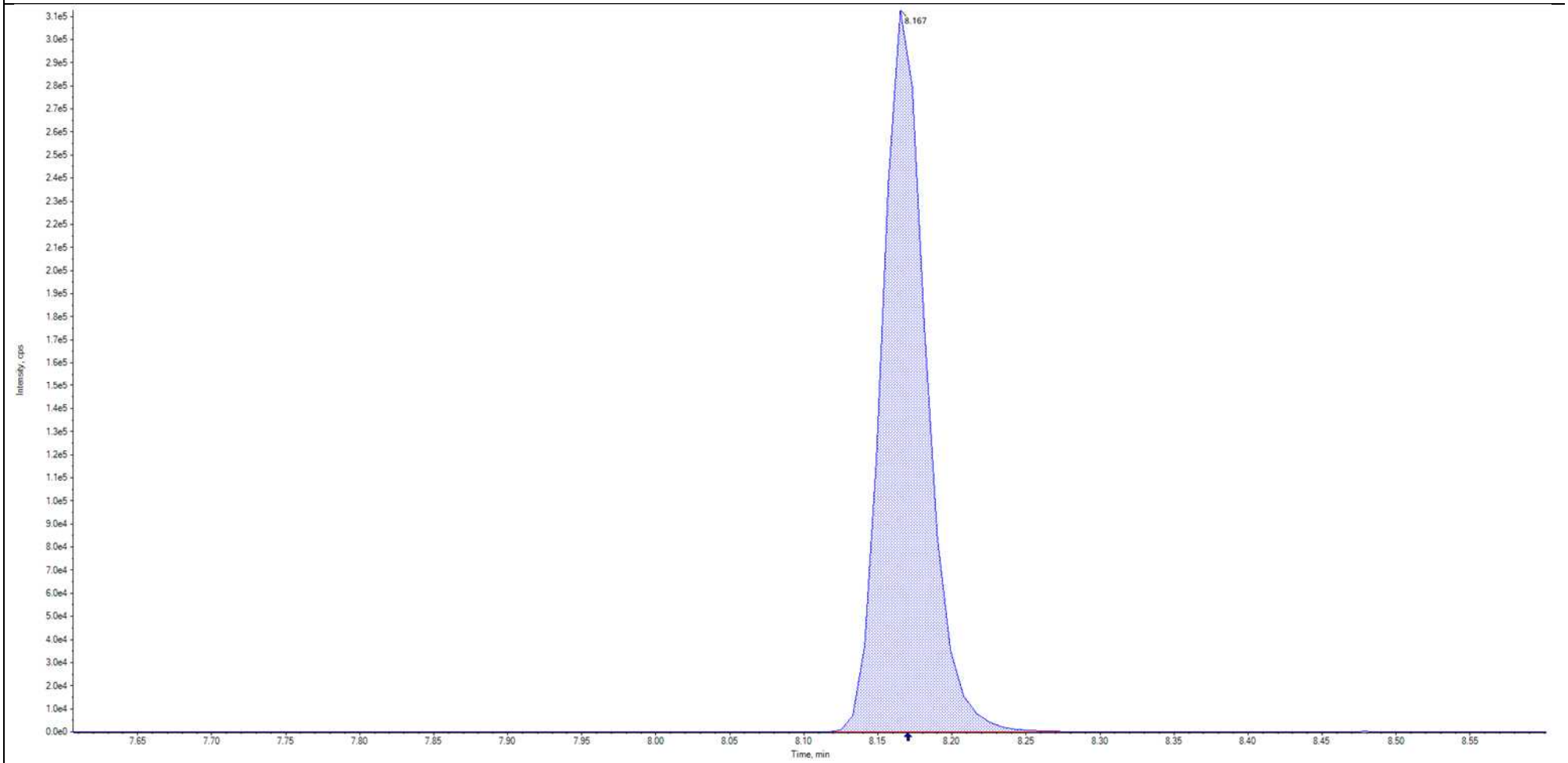
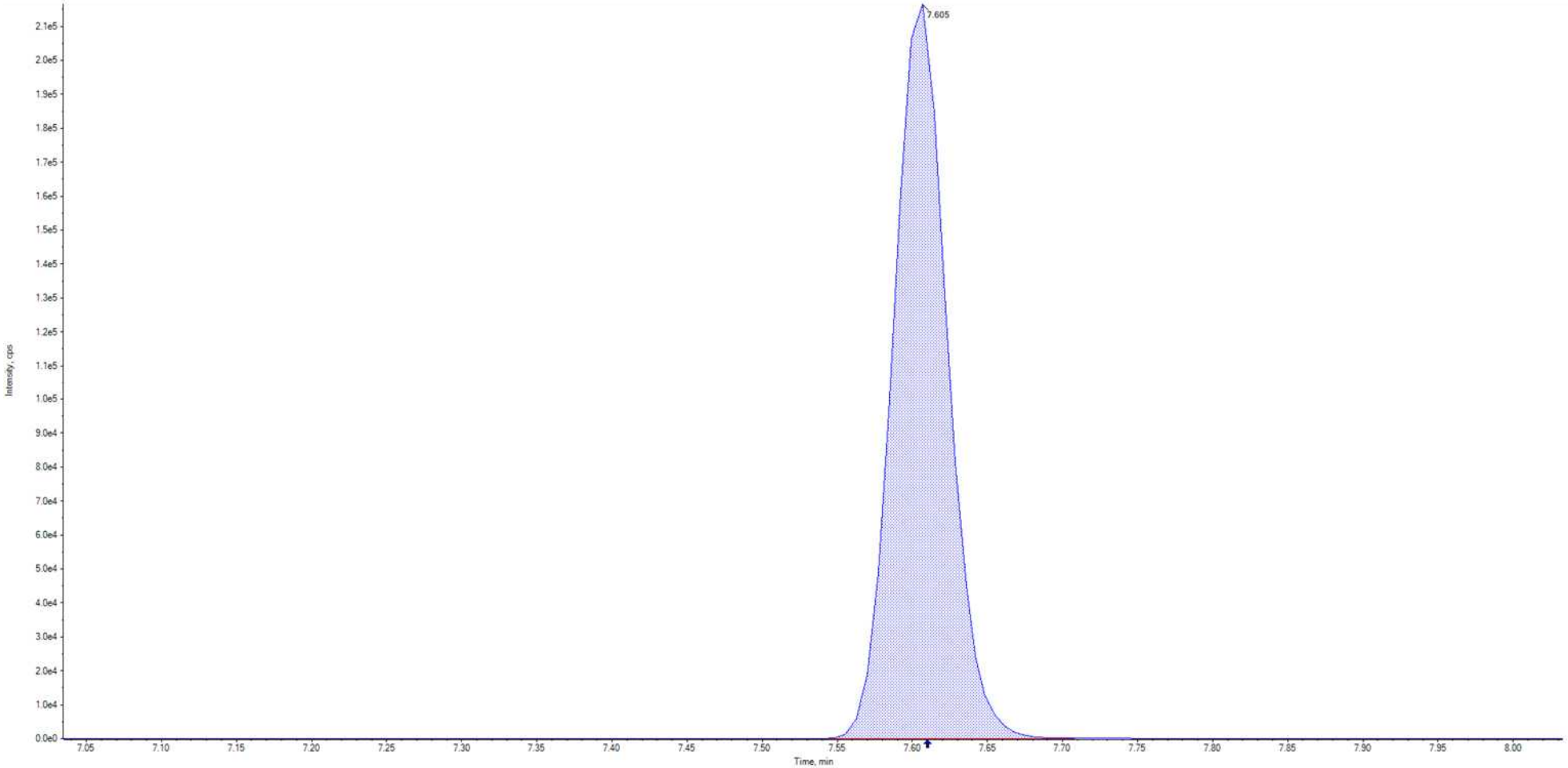


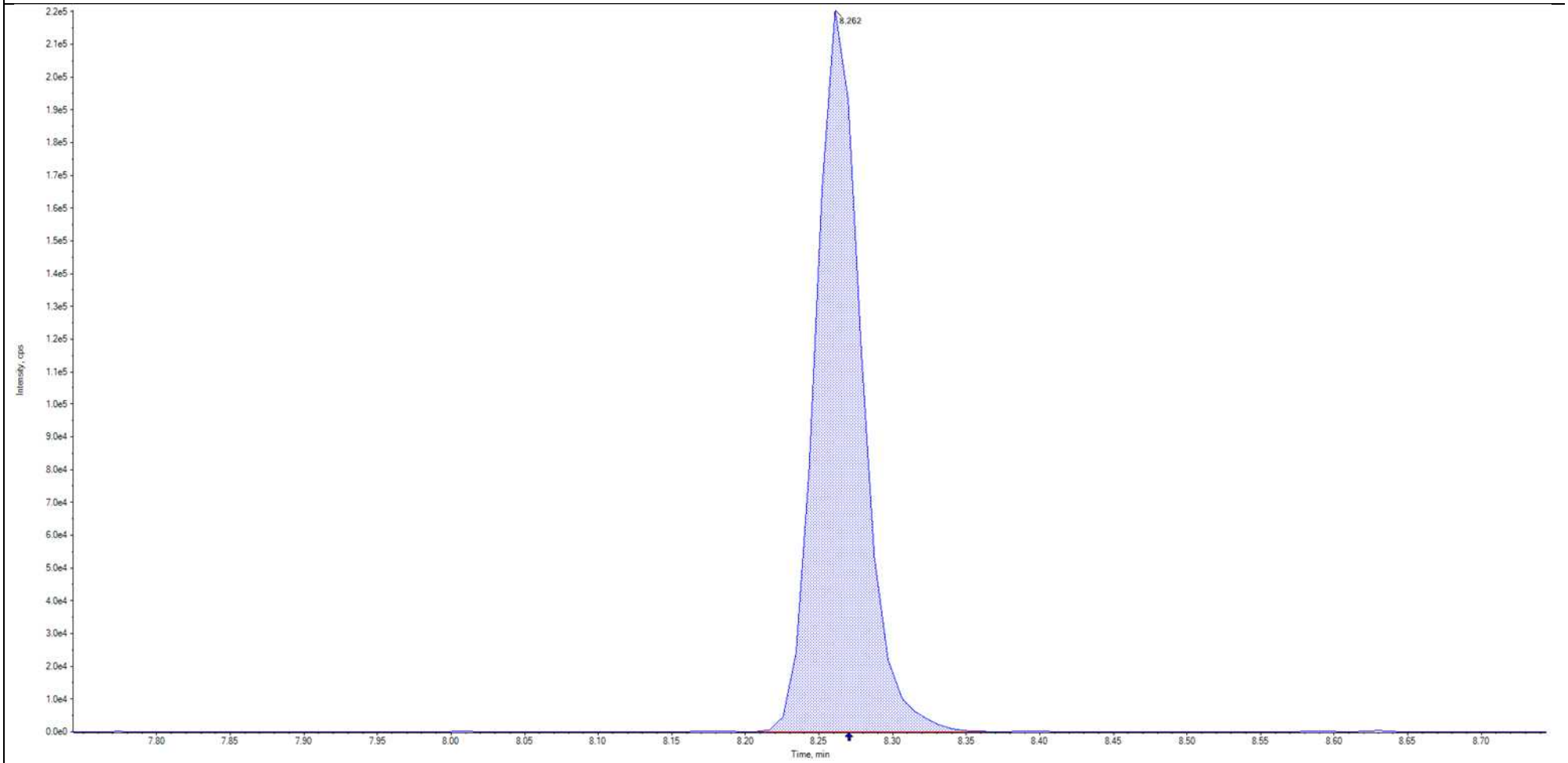
13C2-PFDA
Sample: IA1633STD-.5



18O2-PFHxS
Sample: IA1633STD-.5



13C4-PFOS
Sample: IA1633STD-.5



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_73.wiff
Last Altered: 8/14/2024 9:59:30 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-1.25
Name: SCI05_240813_74.wiff
Date & Time: 2024-08-13T22:28:38
Description: WG1958909,,,12.5 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.90	213.0 / 169.0	1039126		4.957	N/A	N/A	N/A	99.1
2	PFPeA	2706-90-3	4.65	263.0 / 219.0	782592		2.537	0.007	0.007	N/A	101.5
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	5344		2.453	0.007	0.007	N/A	98.1
4	PFHxA	307-24-4	5.34	313.0 / 269.0	643791		1.214	0.076	0.072	Pass	97.1
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	48667		1.242	0.076	0.072	Pass	99.4
6	PFHpA	375-85-9	6.25	363.1 / 319.0	614946		1.247	0.312	0.297	Pass	99.8
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	191961		1.272	0.312	0.297	Pass	101.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.51	413.1 / 369.1	383547	M5	1.171	0.547	0.586	Pass	93.7
9	PFOA_2	335-67-1	7.51	413.1 / 169.0	209629	M7	1.168	0.547	0.586	Pass	93.5
10	PFNA	375-95-1	7.95	462.8 / 418.9	540767	M5	1.238	0.297	0.313	Pass	99.1
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	160518	M7	1.203	0.297	0.313	Pass	96.2
12	PFDA	335-76-2	8.18	513.1 / 469.1	639422		1.278	0.148	0.142	Pass	102.3
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	94660		1.263	0.148	0.142	Pass	101.0
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	462255		1.271	0.190	0.194	Pass	101.7
15	PFUnA_2	2058-94-8	8.48	563.1 / 269.0	87775		1.246	0.190	0.194	Pass	99.7
16	PFDoA	307-55-1	8.91	613.1 / 569.1	489922		1.338	0.171	0.167	Pass	107.1
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	83644		1.352	0.171	0.167	Pass	108.2
18	PFTrDA	72629-94-8	9.51	663.1 / 619.1	277739		1.273	0.230	0.228	Pass	101.9
19	PFTrDA_2	72629-94-8	9.51	663.1 / 169.0	63956		1.316	0.230	0.228	Pass	105.3
20	PFTeDA	376-06-7	9.92	713.1 / 669.1	504145		1.280	0.141	0.137	Pass	102.4
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	70969		1.318	0.141	0.137	Pass	105.4
22	PFBS	375-73-5	5.32	299.1 / 80.1	378090		1.111	0.382	0.396	Pass	100.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	144396		1.064	0.382	0.396	Pass	96.0
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	332690		1.179	0.295	0.299	Pass	100.3
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	98129		1.153	0.295	0.299	Pass	98.1
26	PFHxS	355-46-4	7.62	399.1 / 80.1	286954	M5	1.087	0.314	0.315	Pass	95.2
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	90237	M7	1.101	0.314	0.315	Pass	96.3
28	PFHpS	375-92-8	8.02	449.1 / 80.1	306646		1.166	0.303	0.287	Pass	97.9
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	92989		1.206	0.303	0.287	Pass	101.2
30	PFOS	1763-23-1	8.28	499.1 / 80.1	306039	M5	1.093	0.264	0.238	Pass	94.2
31	PFOS_2	1763-23-1	8.28	499.1 / 99.1	80734		1.176	0.264	0.238	Pass	101.4
32	PFNS	68259-12-1	8.63	549.1 / 80.1	220414		1.226	0.298	0.301	Pass	101.9
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	65593		1.204	0.298	0.301	Pass	100.2
34	PFDS	335-77-3	9.15	599.1 / 80.1	224077		1.265	0.262	0.275	Pass	104.9
35	PFDS_2	335-77-3	9.15	599.1 / 99.1	58788	M7	1.204	0.262	0.275	Pass	99.8
36	PFDoS	79780-39-5	10.01	699.2 / 80.1	199205		1.228	0.279	0.274	Pass	101.3
37	PFDoS_2	79780-39-5	10.01	699.2 / 99.1	55495		1.245	0.279	0.274	Pass	102.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	502551		4.095	0.606	0.516	Pass	87.4
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	304528		4.638	0.606	0.516	Pass	99.0
40	6:2FTS	27619-97-2	7.10	427.2 / 407.2	344993		4.789	0.551	0.565	Pass	100.8
41	6:2FTS_2	27619-97-2	7.10	427.2 / 81.1	190246		4.882	0.551	0.565	Pass	102.8
42	8:2FTS	39108-34-4	8.08	527.2 / 507.2	432638		5.049	0.635	0.662	Pass	105.2
43	8:2FTS_2	39108-34-4	8.08	527.2 / 81.1	274856		4.729	0.635	0.662	Pass	98.5
44	PFOSA	754-91-6	9.55	498.1 / 78.1	319396	M5	1.194	0.027	0.025	Pass	95.5
45	PFOSA_2	754-91-6	9.55	498.1 / 478.0	8652	M7	1.233	0.027	0.025	Pass	98.6
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	85925	M5	1.232	1.542	1.551	Pass	98.6
47	NMeFOSA_2	31506-32-8	10.14	512.2 / 169.0	132512	M7	1.226	1.542	1.551	Pass	98.1
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	90396	M5	1.303	1.223	1.285	Pass	104.2
49	NEtFOSA_2	4151-50-2	10.35	526.2 / 169.0	110532	M7	1.190	1.223	1.285	Pass	95.2
50	NMeFOSAA	2355-31-9	8.23	570.2 / 419.1	138283		1.252	0.590	0.700	Pass	100.2
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	81519		1.161	0.590	0.700	Pass	92.9
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	84369		1.169	0.514	0.487	Pass	93.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	43370		1.306	0.514	0.487	Pass	104.5
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	1480904	M5	12.221	N/A	N/A	N/A	97.8
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	2767938	M5	12.564	N/A	N/A	N/A	100.5
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	1288956		4.939	0.469	0.464	Pass	98.8
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	604453		4.981	0.469	0.464	Pass	99.6
58	ADONA	919005-14-4	6.72	377.1 / 251.0	2822750		4.756	0.650	0.634	Pass	100.7
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	1835980		4.781	0.650	0.634	Pass	101.2
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	2946988		5.036	0.322	0.322	Pass	107.7
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	948754		4.978	0.322	0.322	Pass	106.5
62	11Cl-PF3OUdS	763051-92-9	9.58	630.9 / 451.0	1734547		4.693	0.341	0.331	Pass	99.3
63	11Cl-PF3OUdS_2	763051-92-9	9.58	632.9 / 452.9	591328		4.753	0.341	0.331	Pass	100.6
64	3:3FTCA	356-02-5	4.92	241.1 / 177.1	162277		6.064	1.046	1.074	Pass	97.0
65	3:3FTCA_2	356-02-5	4.92	241.1 / 117.0	169763		6.334	1.046	1.074	Pass	101.3
66	5:3FTCA	914637-49-3	7.17	341.1 / 237.1	2908807		30.238	0.966	0.953	Pass	96.8
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	2808872		30.858	0.966	0.953	Pass	98.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.22	441.1 / 316.9	3798713		35.472	1.438	1.558	Pass	113.5
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	5461619		35.145	1.438	1.558	Pass	112.5
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	1967602		2.139	0.087	0.087	Pass	96.1
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	170520		2.145	0.087	0.087	Pass	96.4
72	PFMPA	377-73-1	3.86	229.0 / 85.0	90755		2.430	N/A	N/A	N/A	97.2
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	1223138		2.429	N/A	N/A	N/A	97.2
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	227164		2.345	0.993	0.910	Pass	93.8
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	225686		2.542	0.993	0.910	Pass	101.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	924127		4.740	N/A	N/A	N/A	94.8
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3340729		2.520	N/A	N/A	N/A	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2584883		9.853	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	4.64	268.0 / 223.0	1673101		5.065	NA	NA	NA	101.3
	13C5-PFHxA	EIS	5.34	318.0 / 273.0	1088024		2.507	NA	NA	NA	100.3
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	1052479		2.423	NA	NA	NA	96.9
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1573759		2.629	NA	NA	NA	105.2
	13C9-PFNA	EIS	7.95	472.0 / 427.0	745840		1.268	NA	NA	NA	101.5
	13C6-PFDA	EIS	8.18	519.0 / 474.0	725556		1.264	NA	NA	NA	101.1
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	575301		1.238	NA	NA	NA	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.91	615.1 / 570.0	351913		1.165	NA	NA	NA	93.2
	13C2-PFTeDA	EIS	9.91	715.1 / 670.1	392782		1.197	NA	NA	NA	95.8
	13C3-PFBS	EIS	5.31	302.1 / 80.1	811249		2.233	NA	NA	NA	95.8
	13C3-PFHxS	EIS	7.62	402.1 / 80.1	661309		2.292	NA	NA	NA	96.7
	13C8-PFOS	EIS	8.27	507.1 / 80.1	681932		2.307	NA	NA	NA	96.3
	13C2-4:2FTS	EIS	5.14	329.1 / 81.1	293698		4.530	NA	NA	NA	96.6
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	208826		4.395	NA	NA	NA	92.4
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	324531		4.667	NA	NA	NA	97.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.55	506.1 / 78.1	1000714		2.546	NA	NA	NA	101.9
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	162799		2.461	NA	NA	NA	98.4
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	157977		2.445	NA	NA	NA	97.8
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	839143		5.611	NA	NA	NA	112.2
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	386999		4.924	NA	NA	NA	98.5
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1227980		24.037	NA	NA	NA	96.1
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1876709		24.916	NA	NA	NA	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2846811		9.900	NA	NA	NA	99.0
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1147644		5.367	NA	NA	NA	107.3
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1288338		2.631	NA	NA	NA	105.3
	13C4-PFOA	NIS	7.50	417.0 / 372.0	783096		2.501	NA	NA	NA	100.1
	13C5-PFNA	NIS	7.95	468.0 / 423.0	716354		1.308	NA	NA	NA	104.6
	13C2-PFDA	NIS	8.17	515.1 / 470.1	674386		1.316	NA	NA	NA	105.3
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	586465		2.503	NA	NA	NA	105.6
	13C4-PFOS	NIS	8.27	503.1 / 80.1	522882		2.483	NA	NA	NA	103.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFBA
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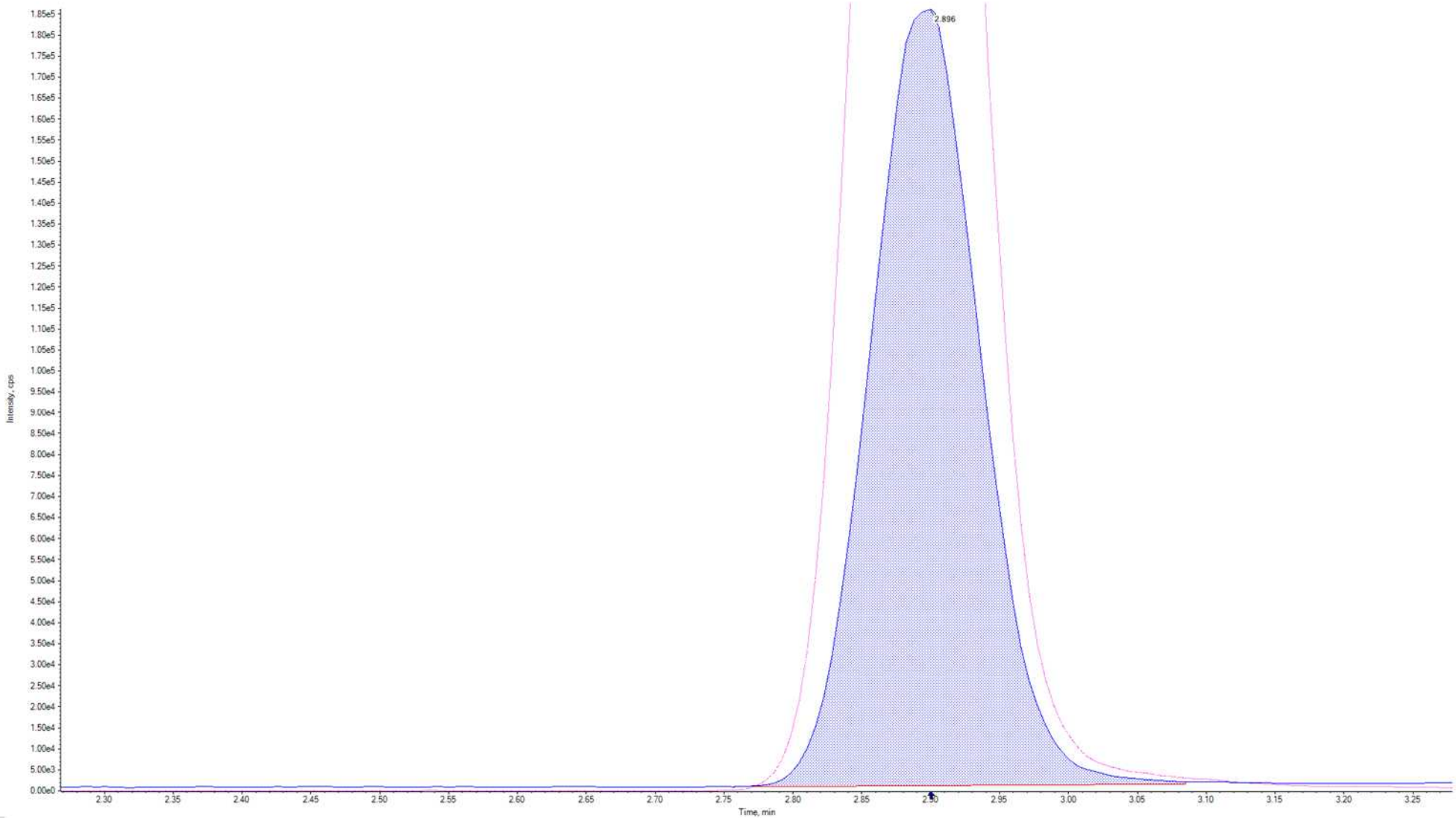

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
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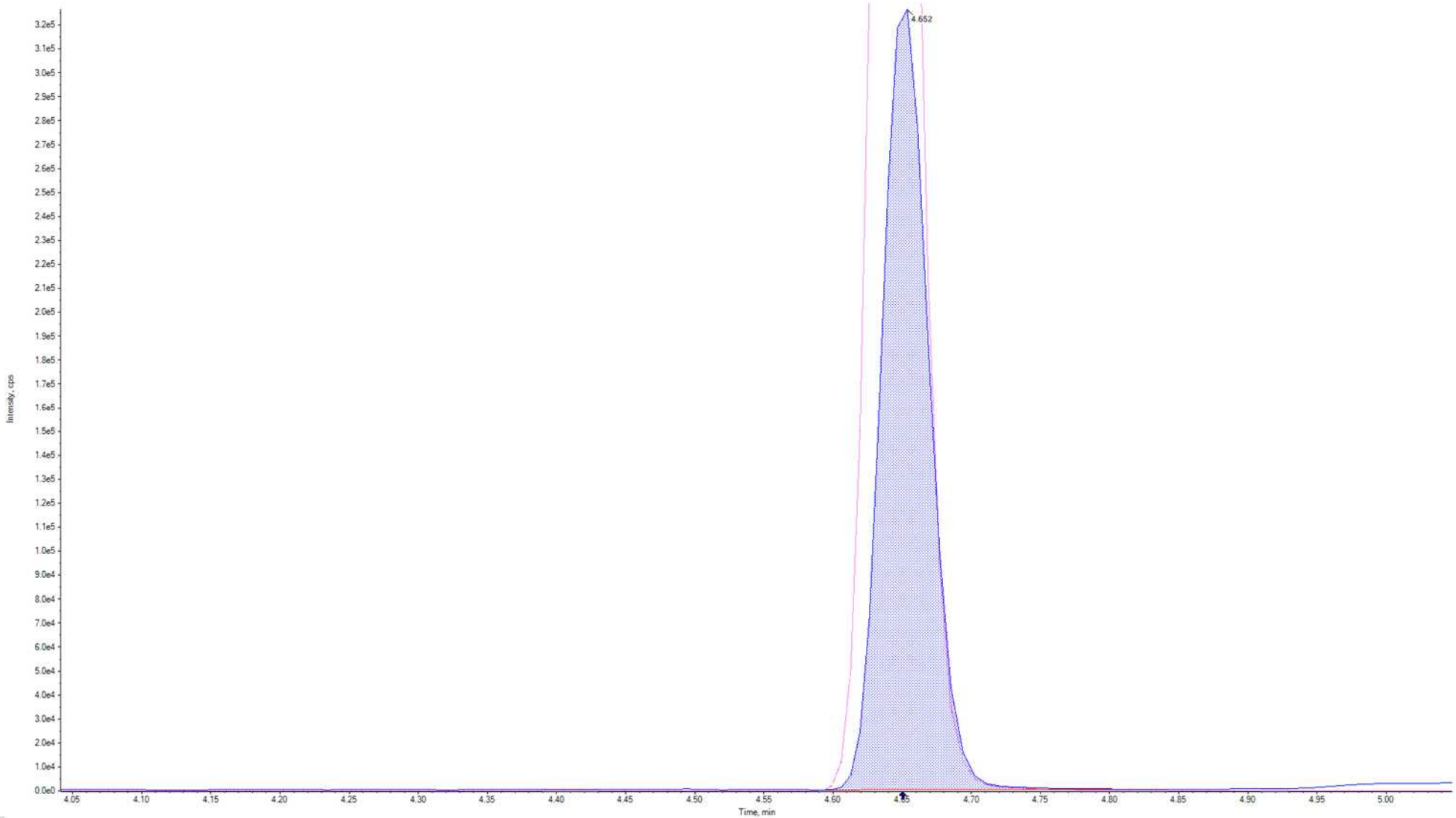
PFPeA
Sample: IA1633STD-1.25 S/N:1885.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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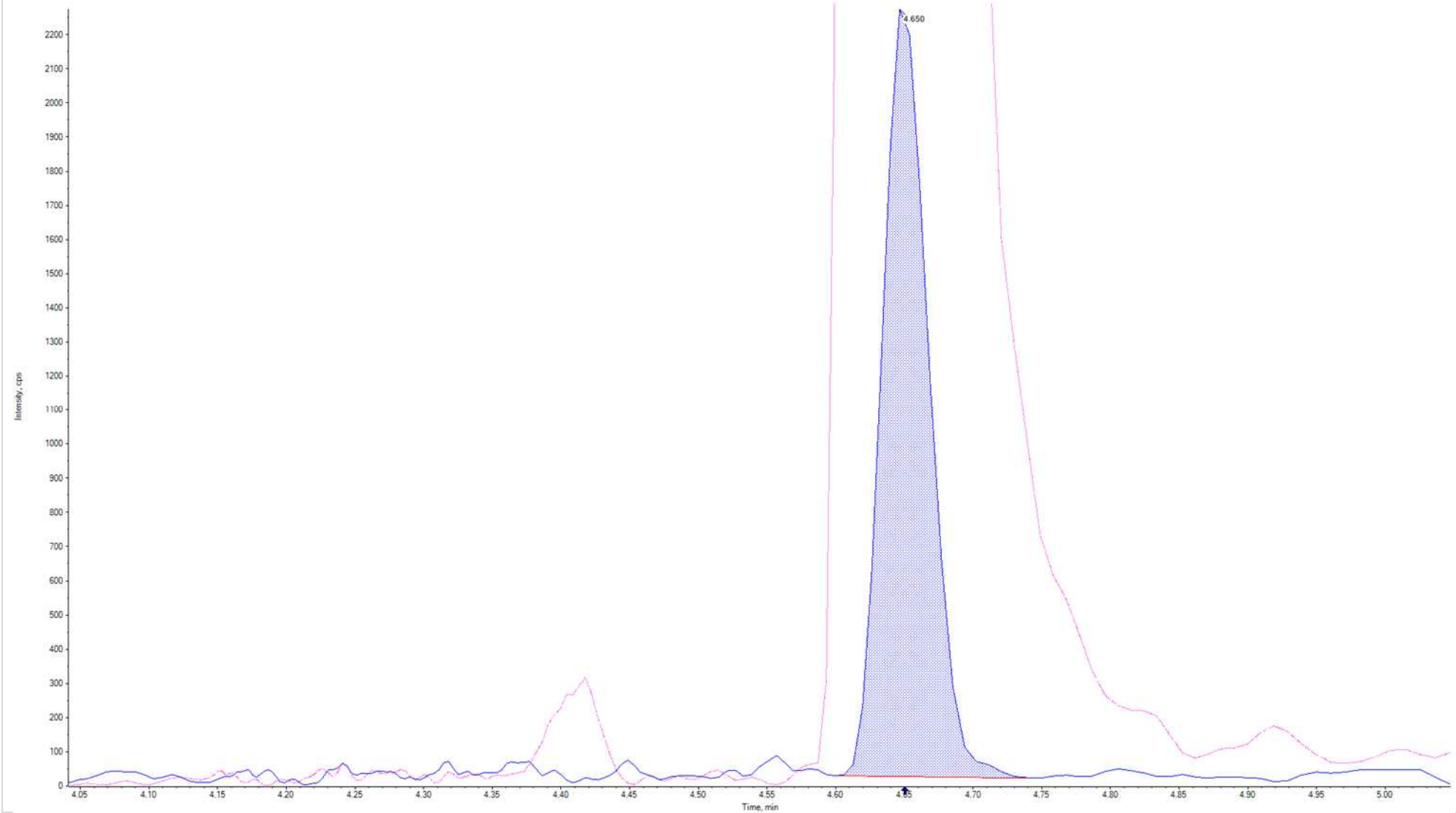
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-1.25 S/N:664.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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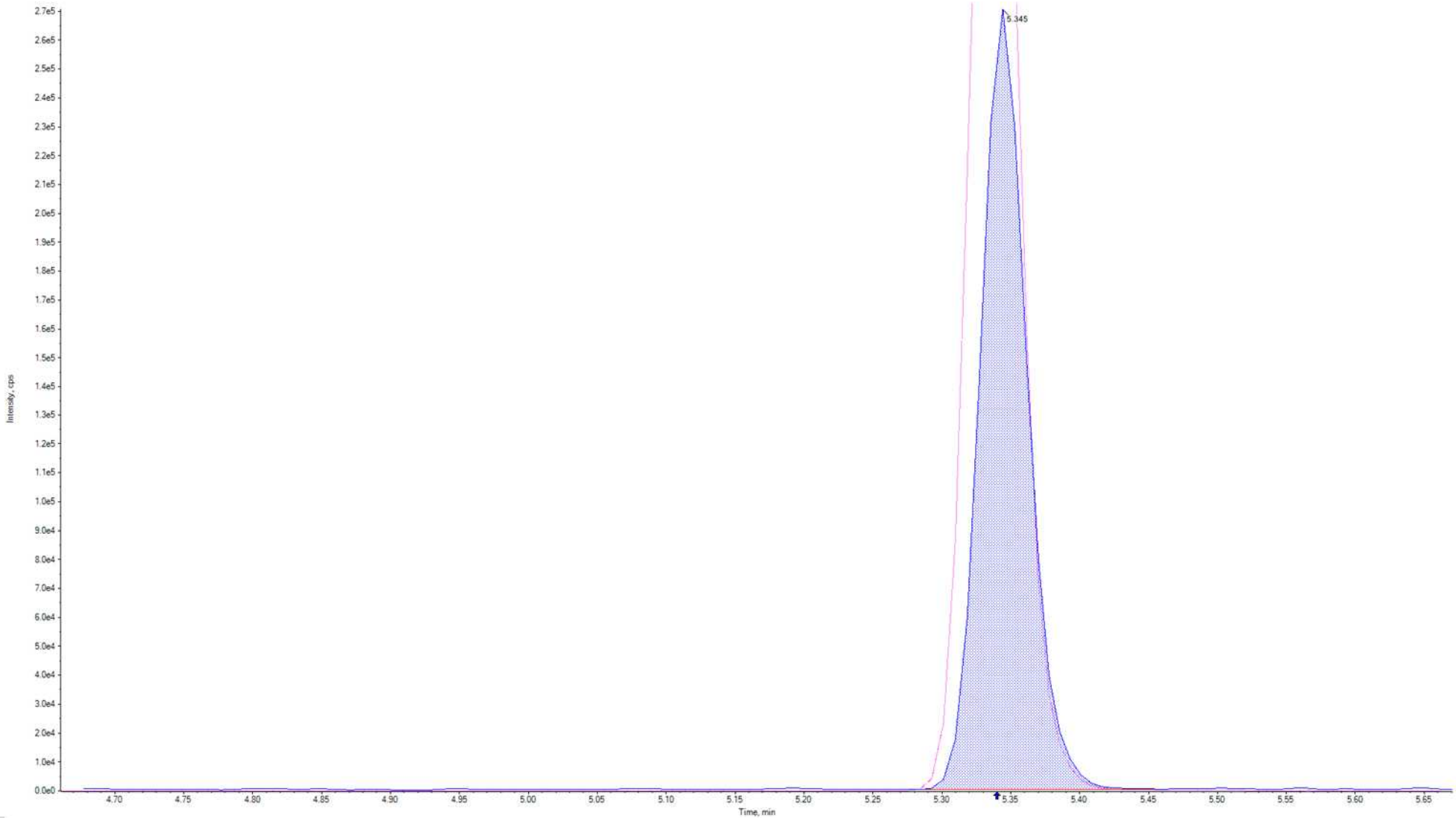
PFHxA
Sample: IA1633STD-1.25 S/N:1118.7 Points Across peak:23



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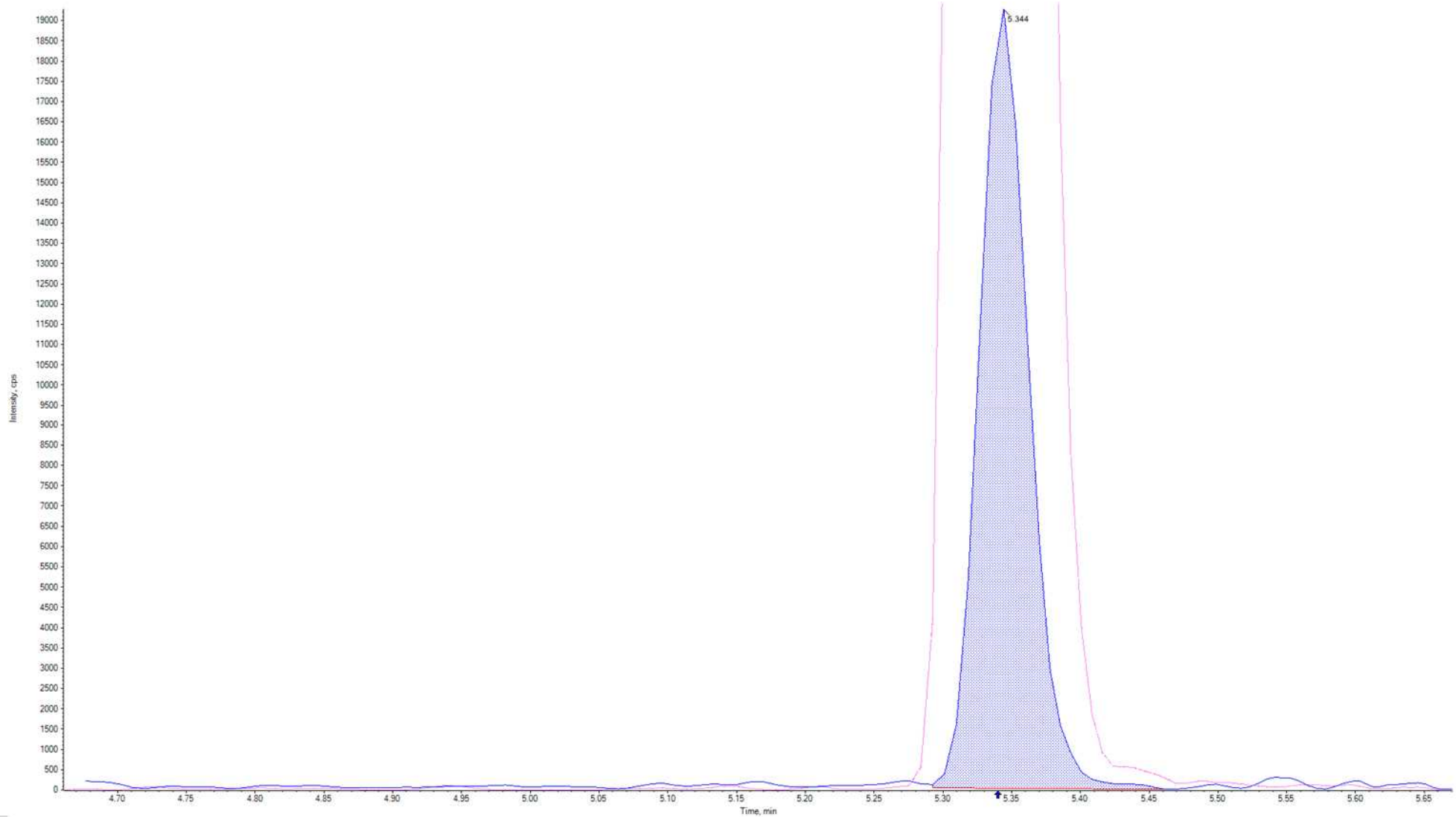
PFHxA_2
Sample: IA1633STD-1.25 S/N:991.5 Points Across peak:22



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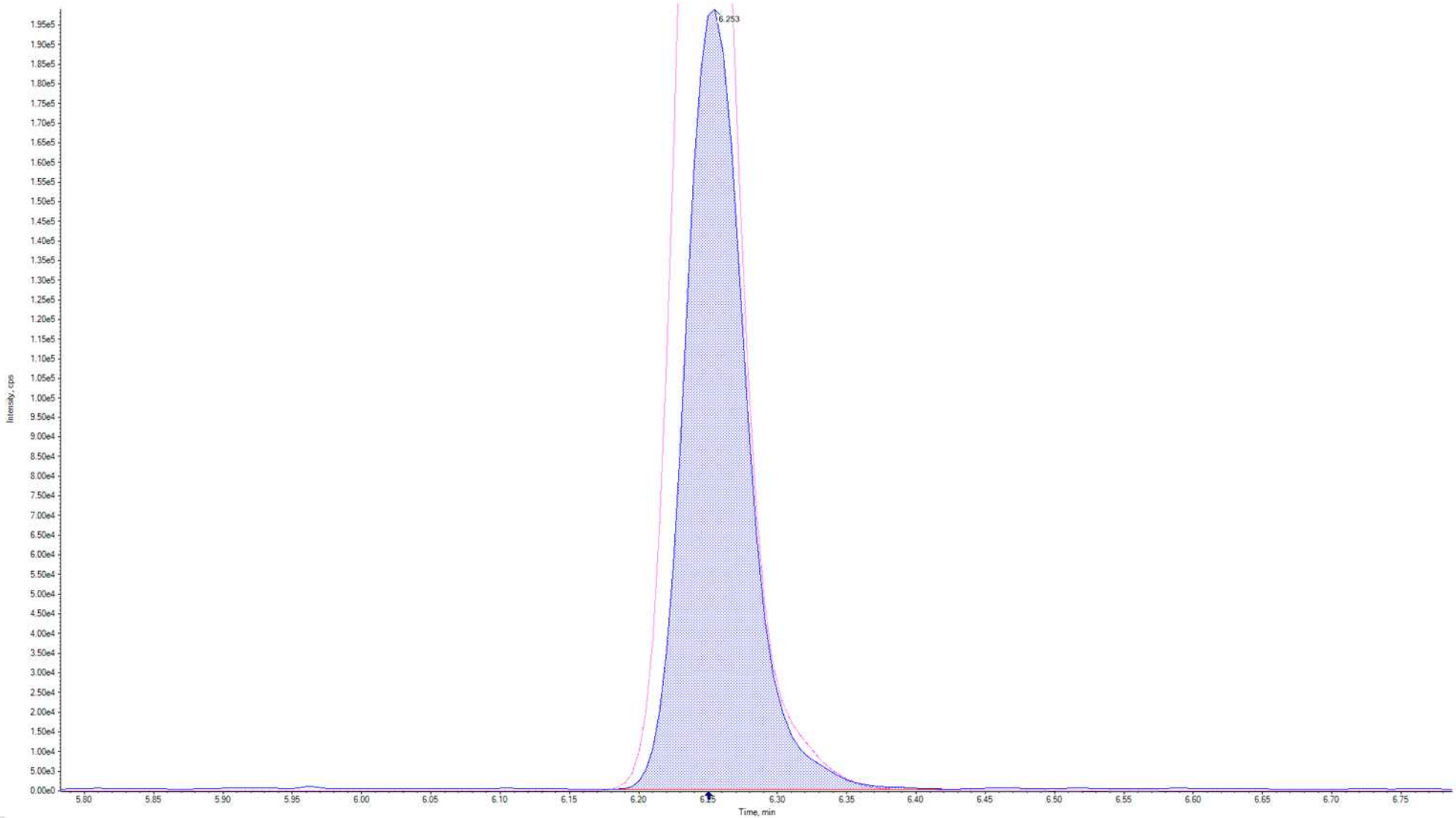
PFHpA
Sample: IA1633STD-1.25 S/N:1929.5 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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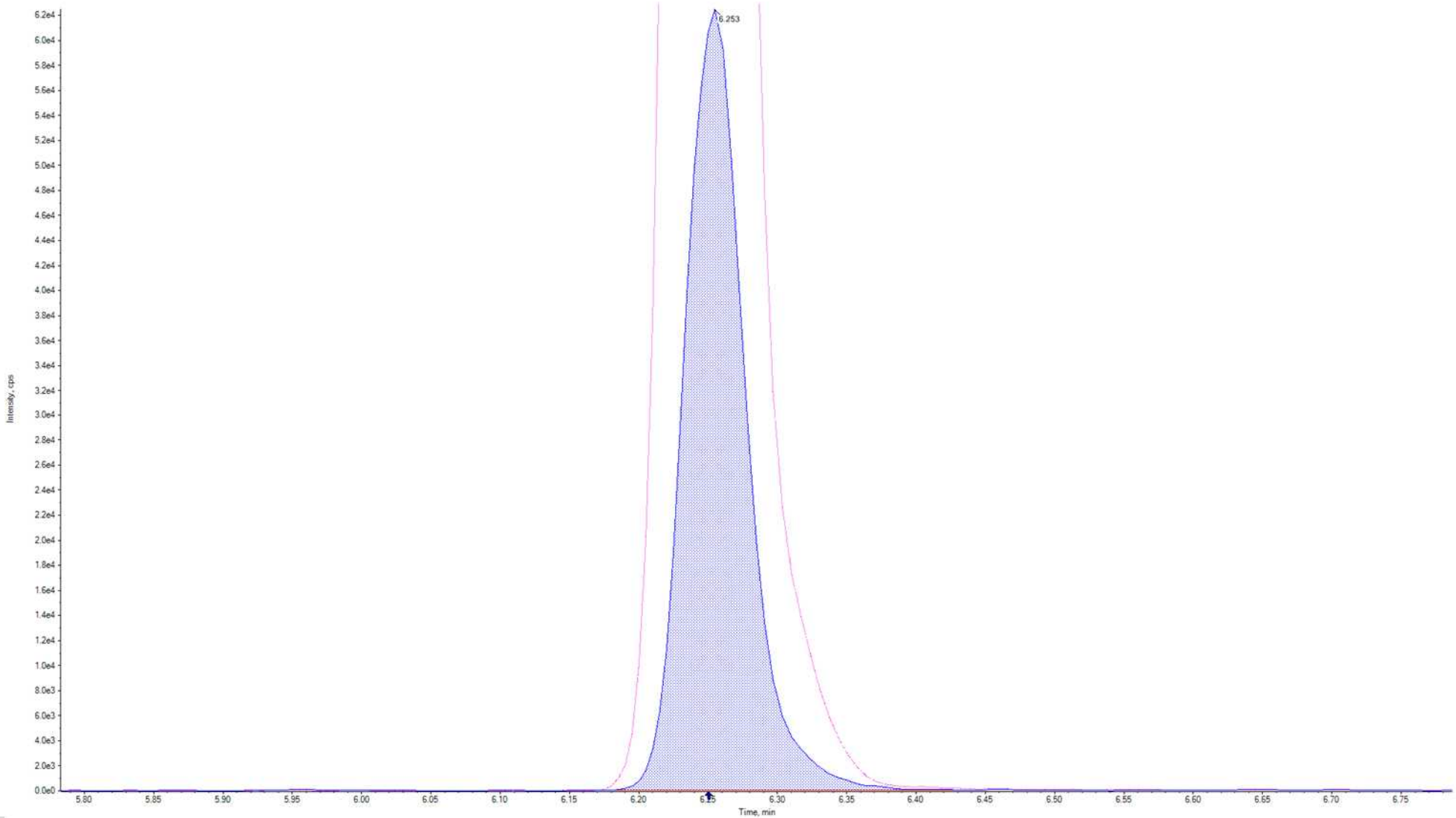
PFHpA_2
Sample: IA1633STD-1.25 S/N:13190.9 Points Across peak:44



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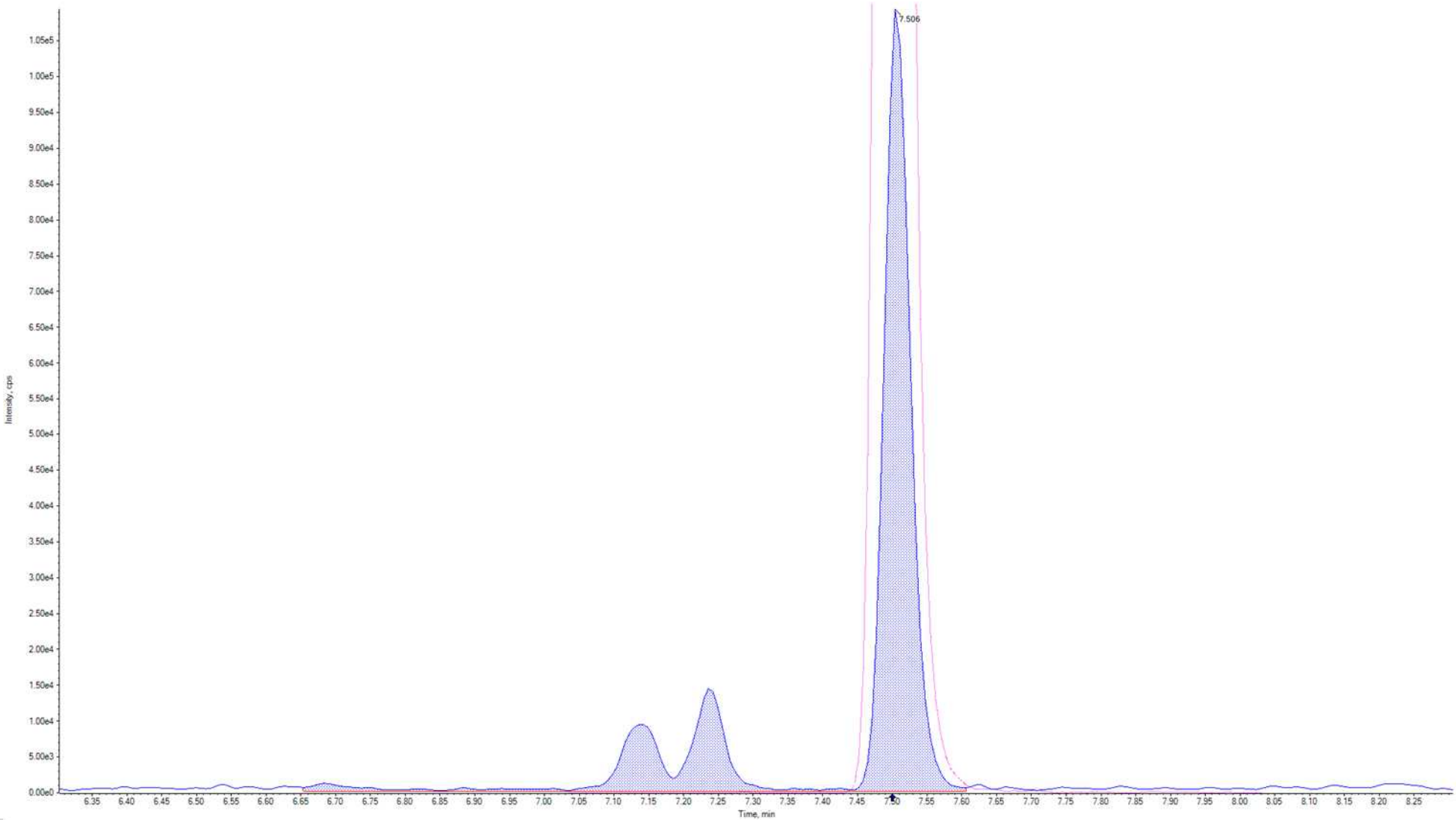
PFOA
Sample: IA1633STD-1.25 S/N:949.6 Points Across peak:148



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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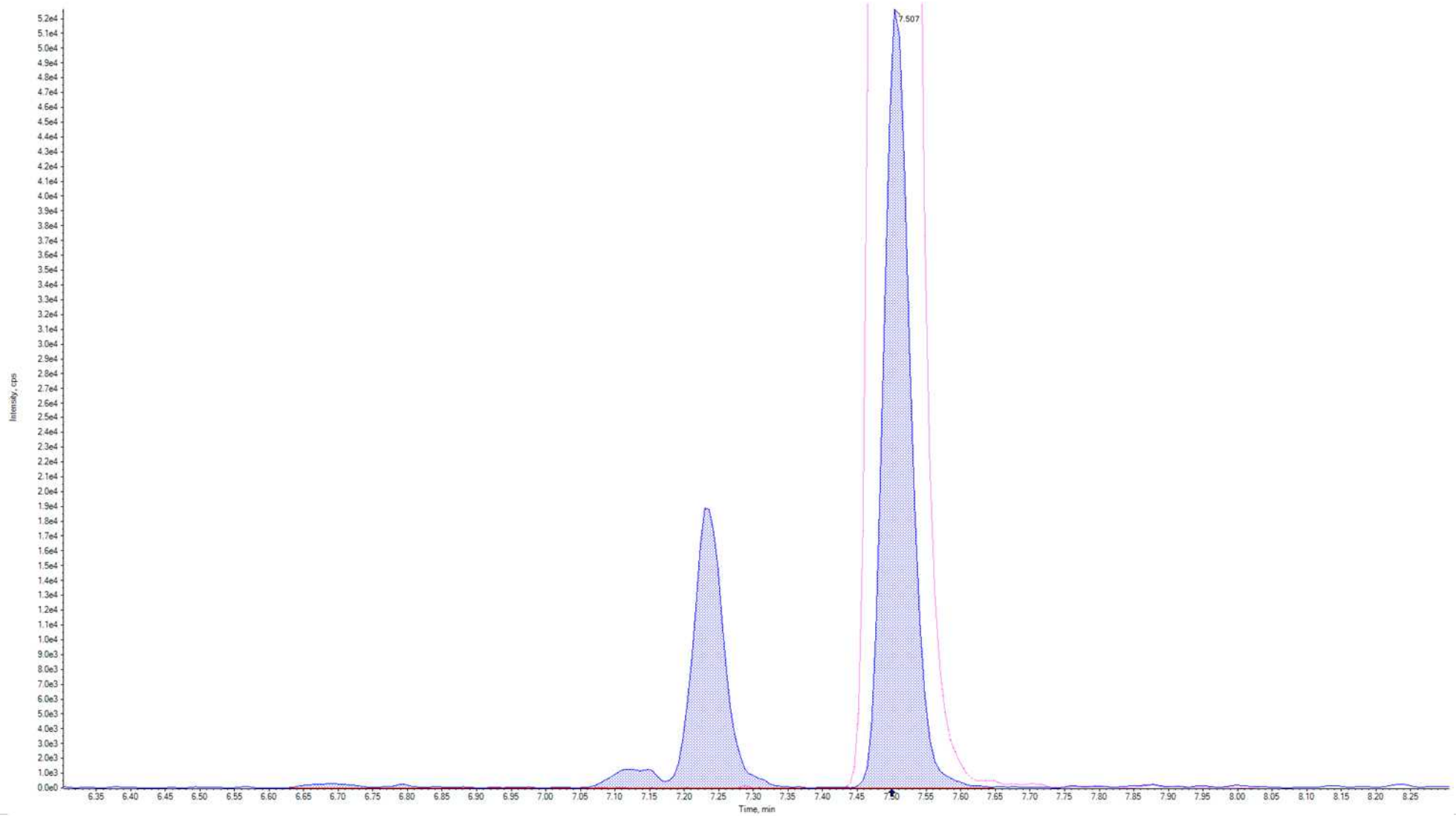
PFOA_2
Sample: IA1633STD-1.25 S/N:58125.7 Points Across peak:157



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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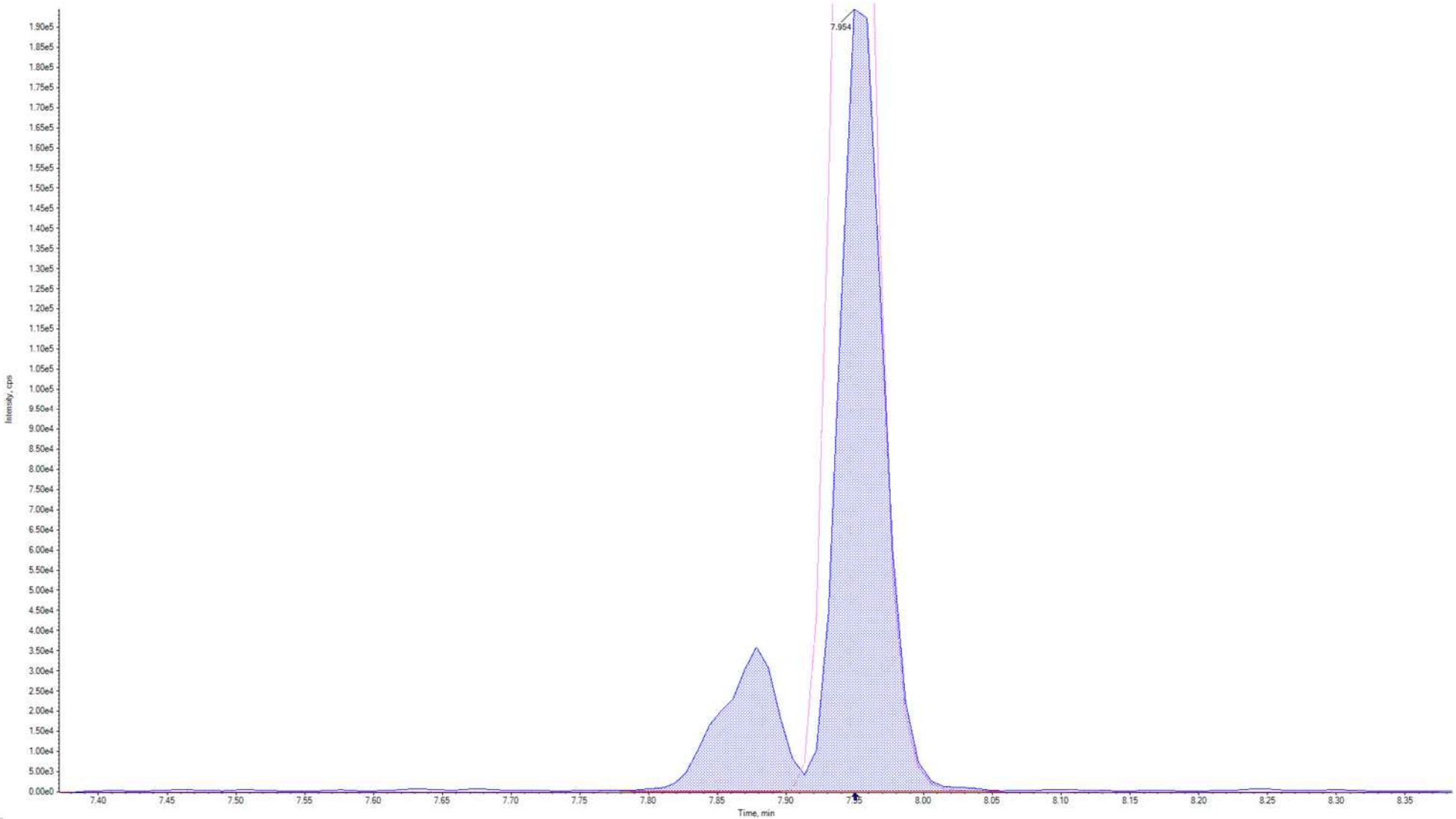
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-1.25 S/N:1131.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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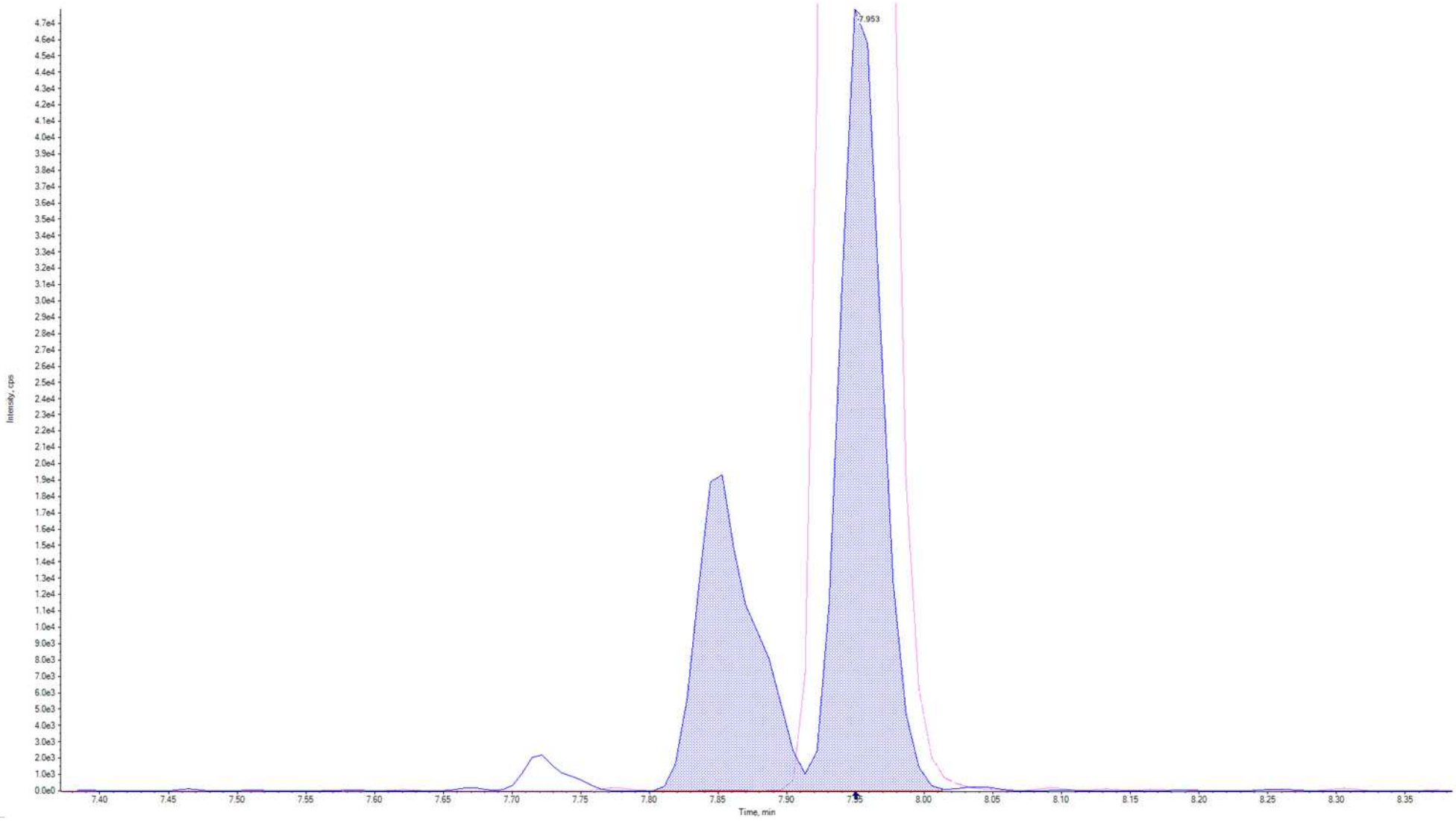
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-1.25 S/N:754.6 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDA
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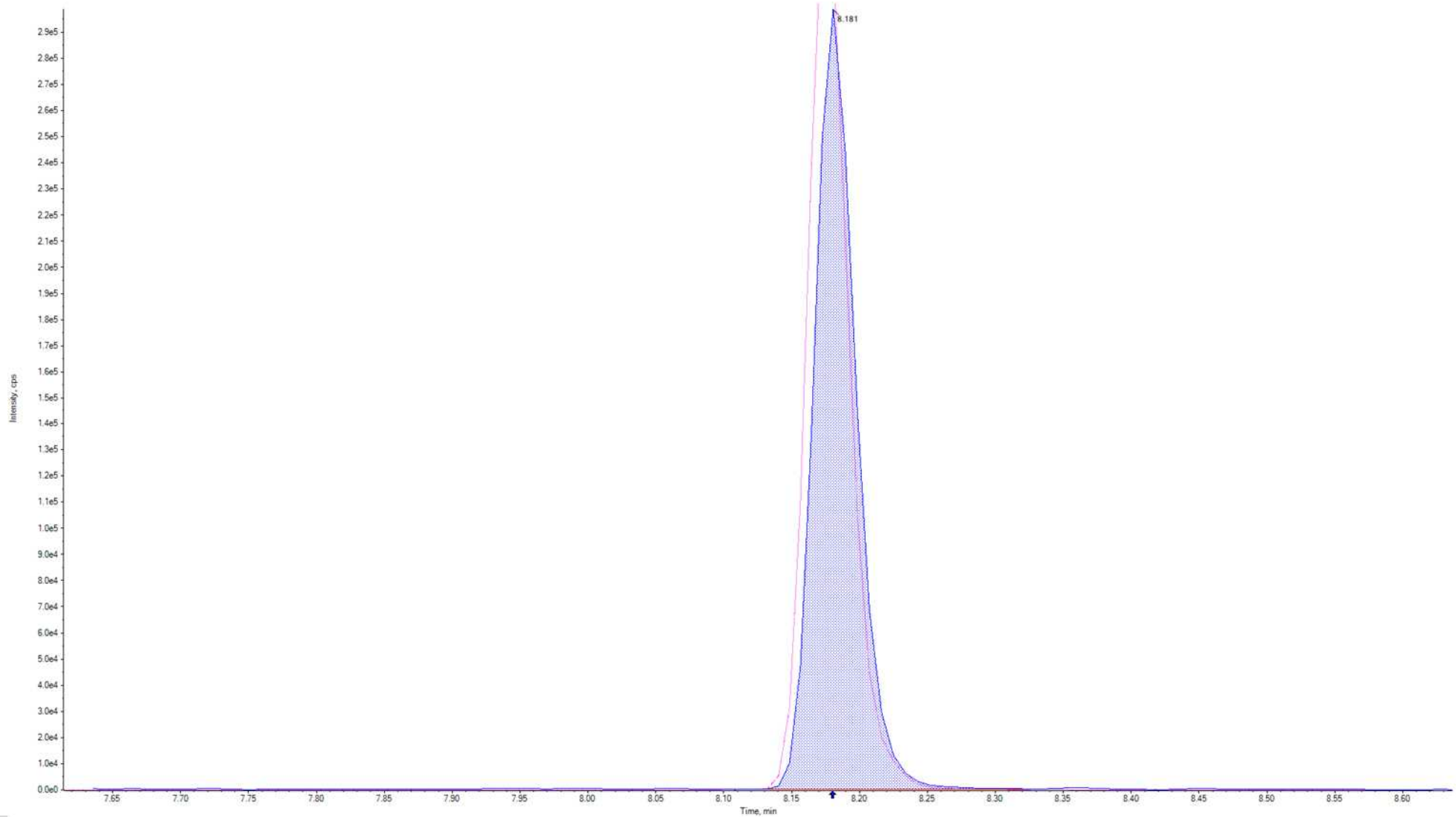

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDA_2
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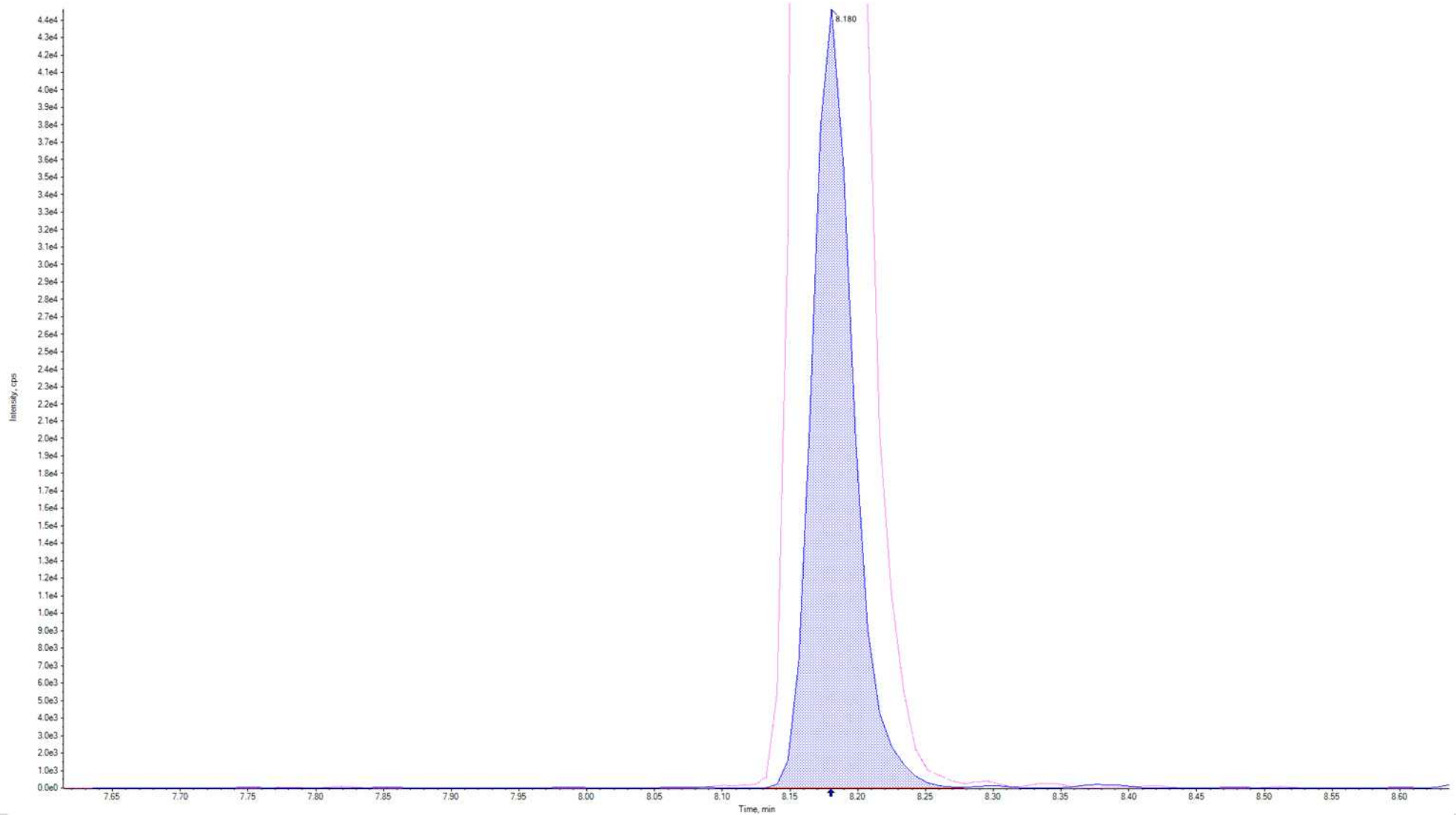

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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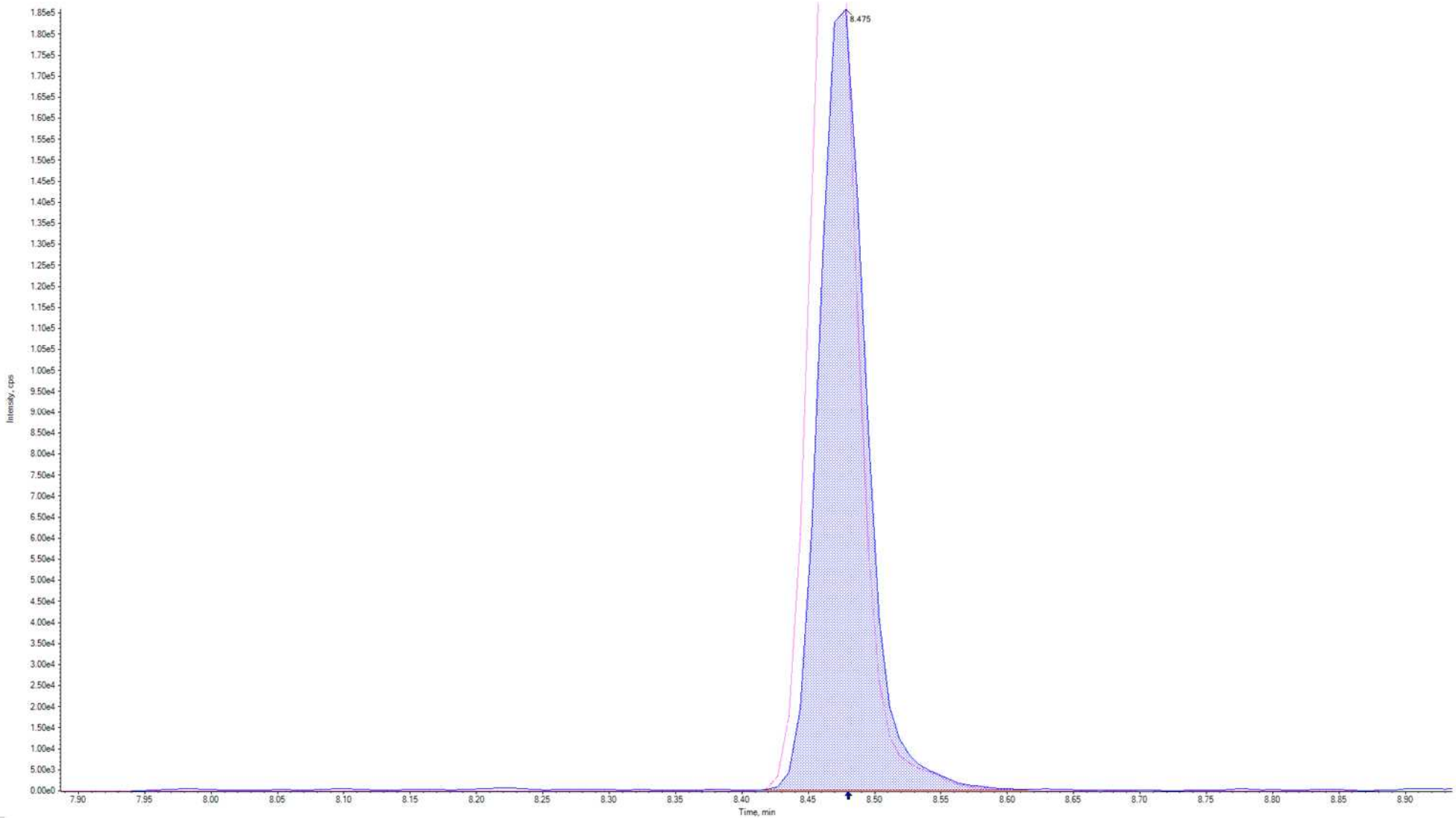
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-1.25 S/N:2055.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFUnA_2
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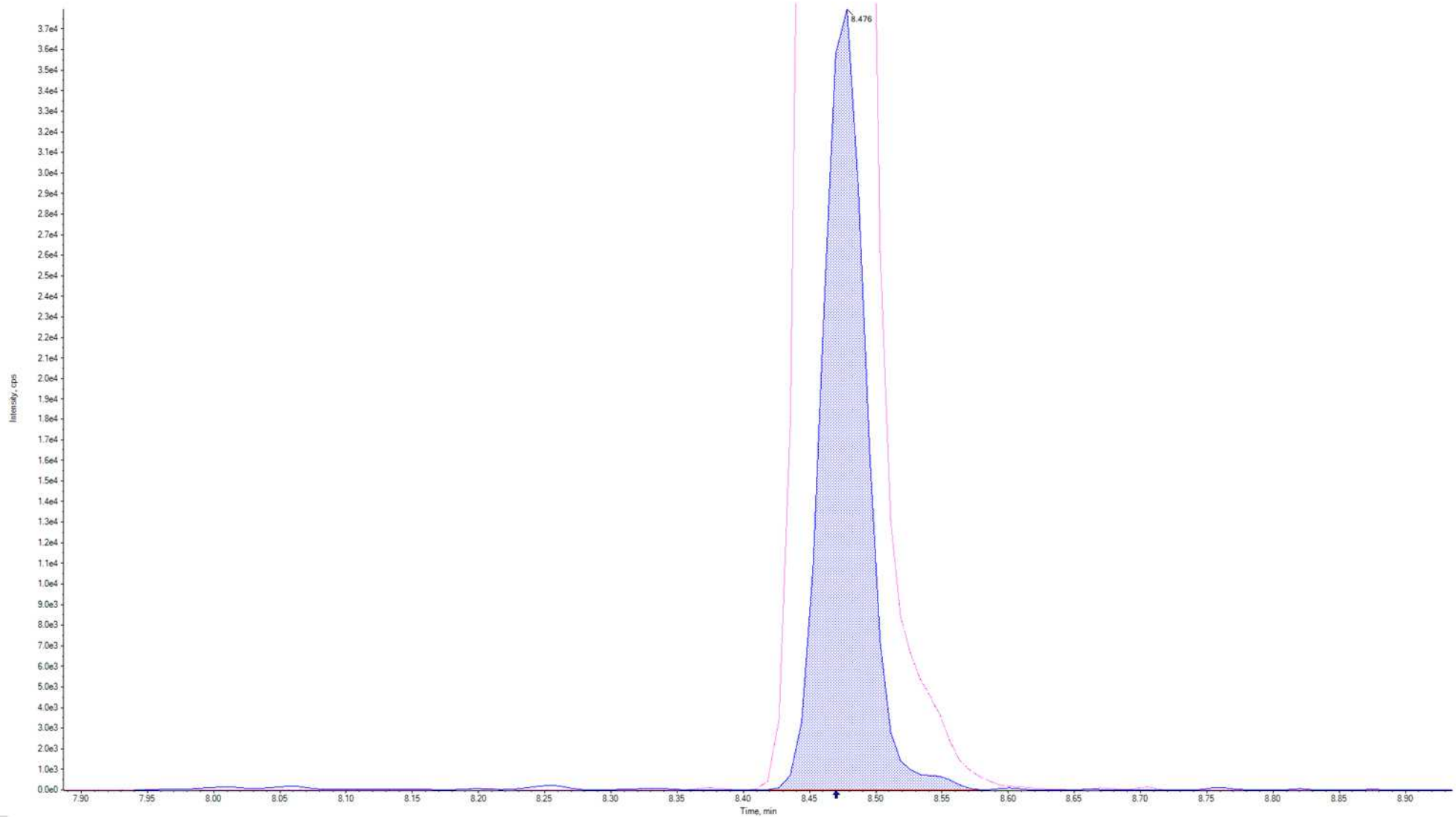

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDoA
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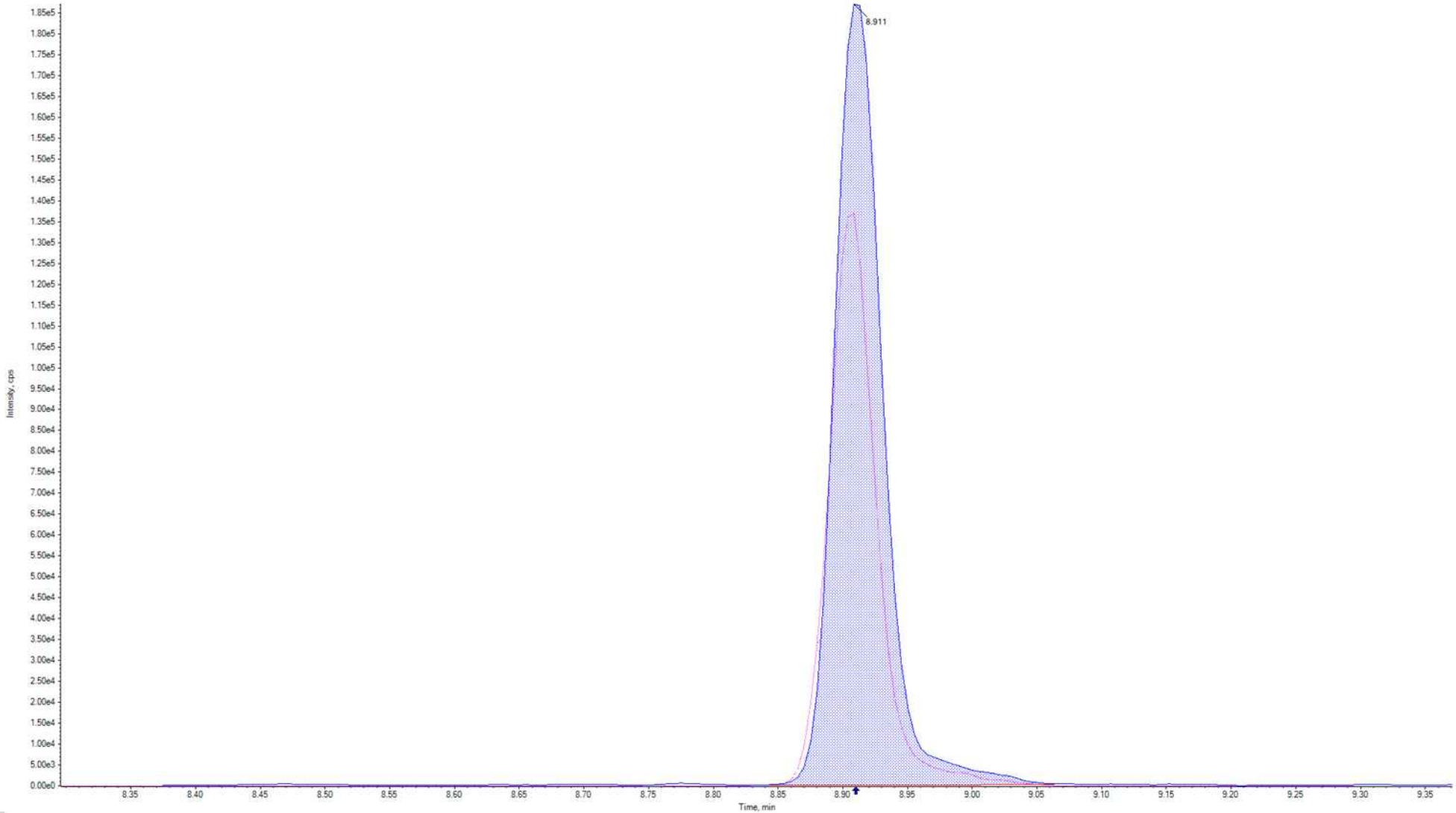

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDoA_2
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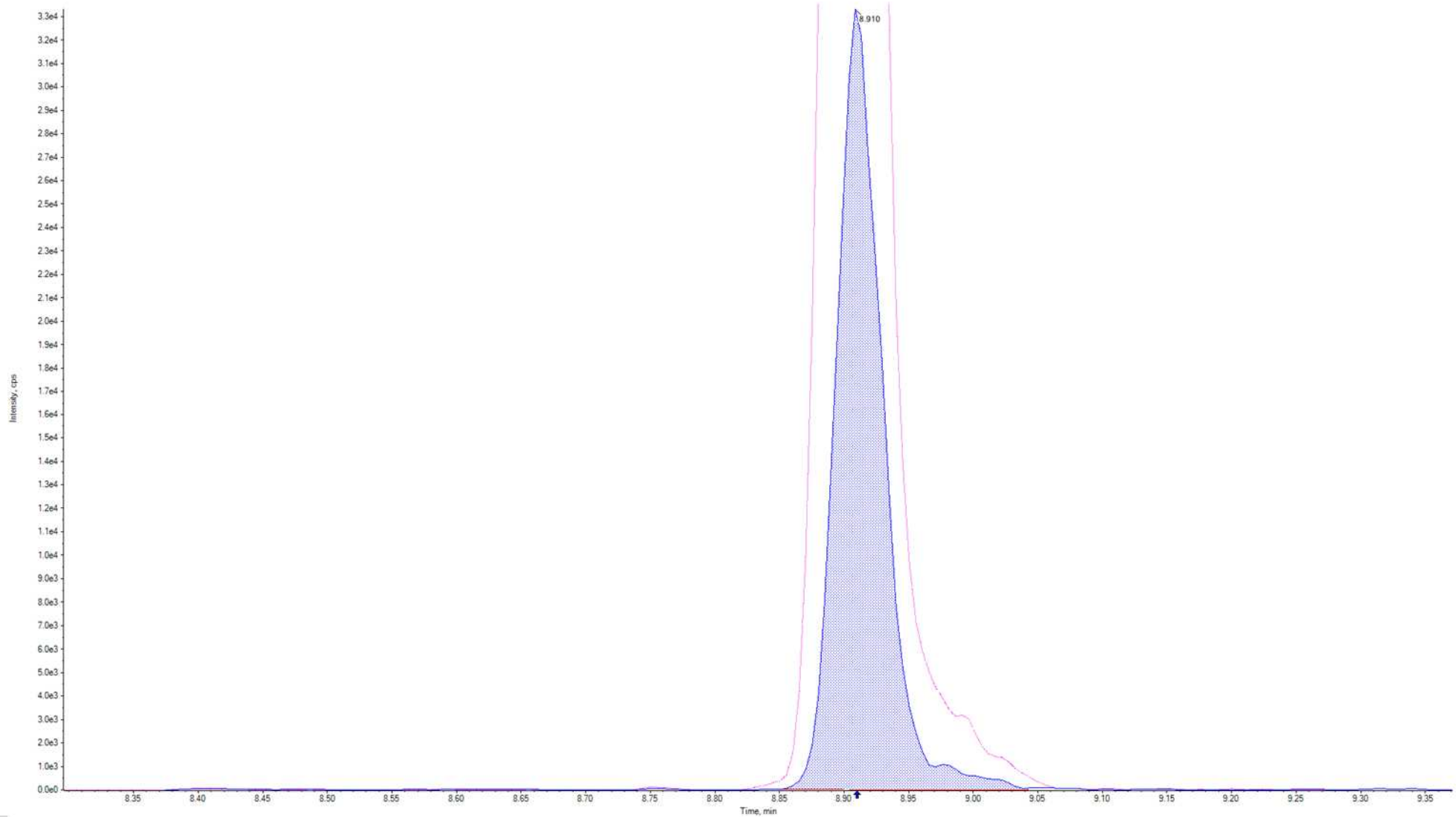

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTrDA
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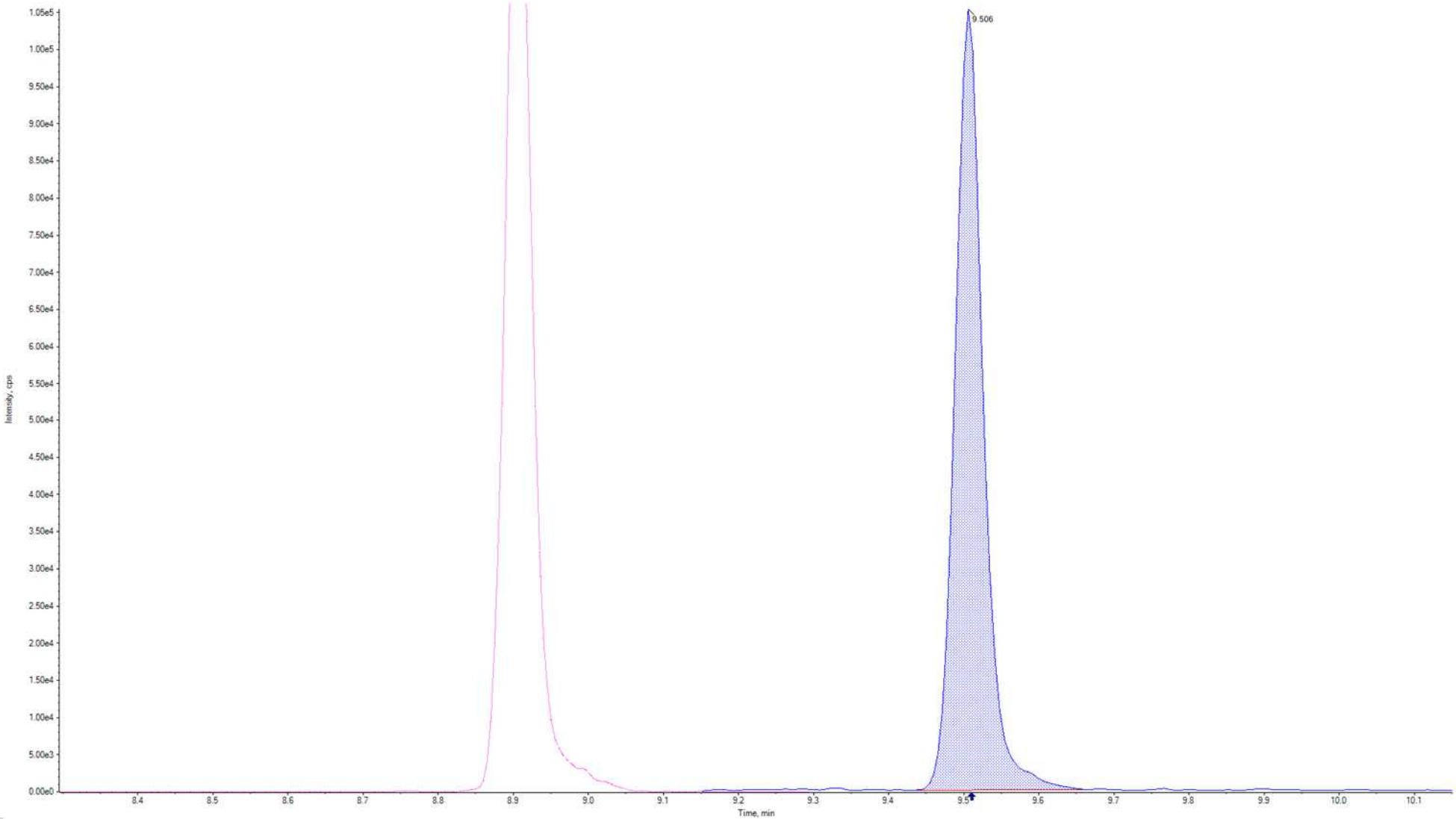

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTrDA_2
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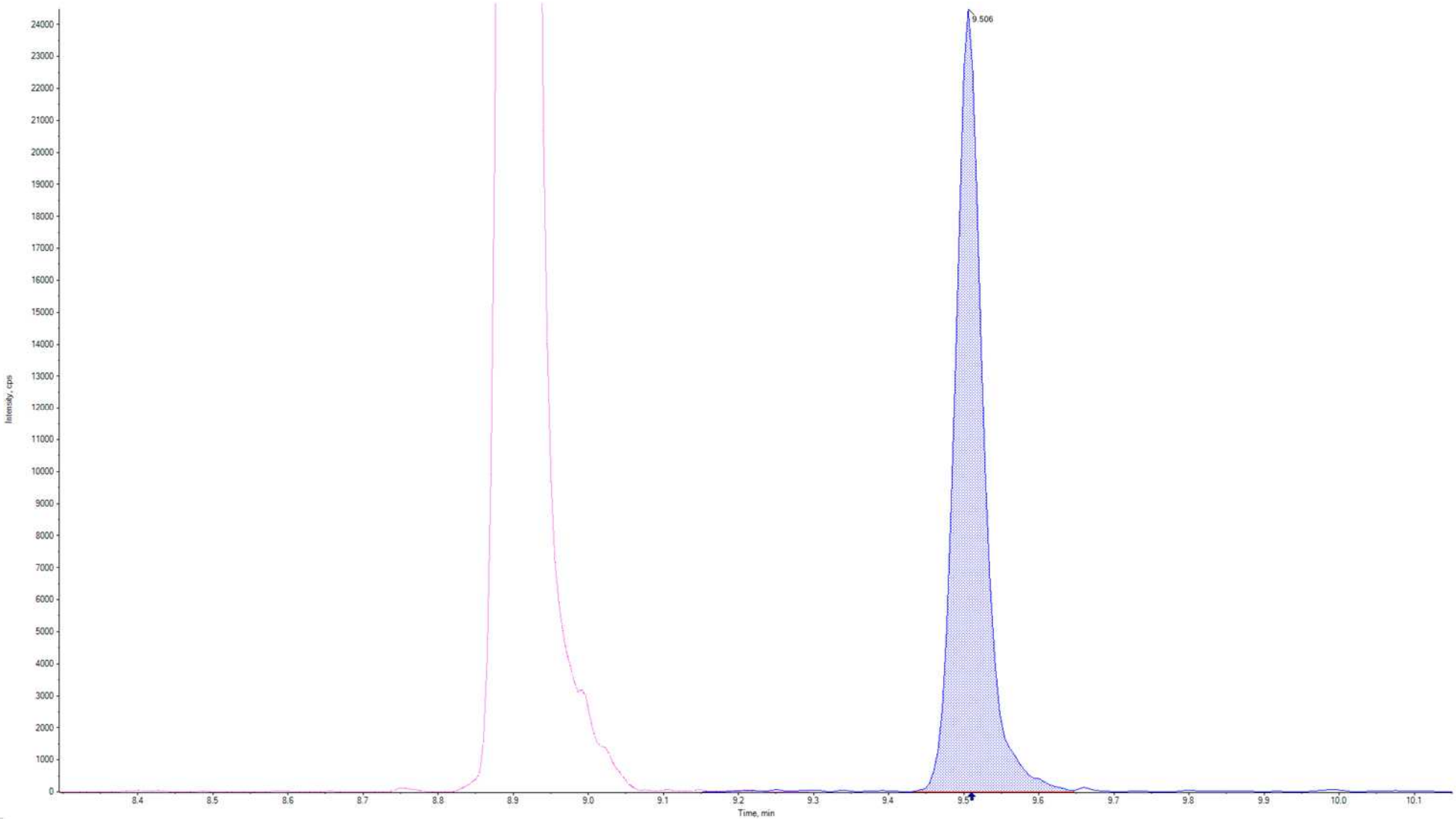
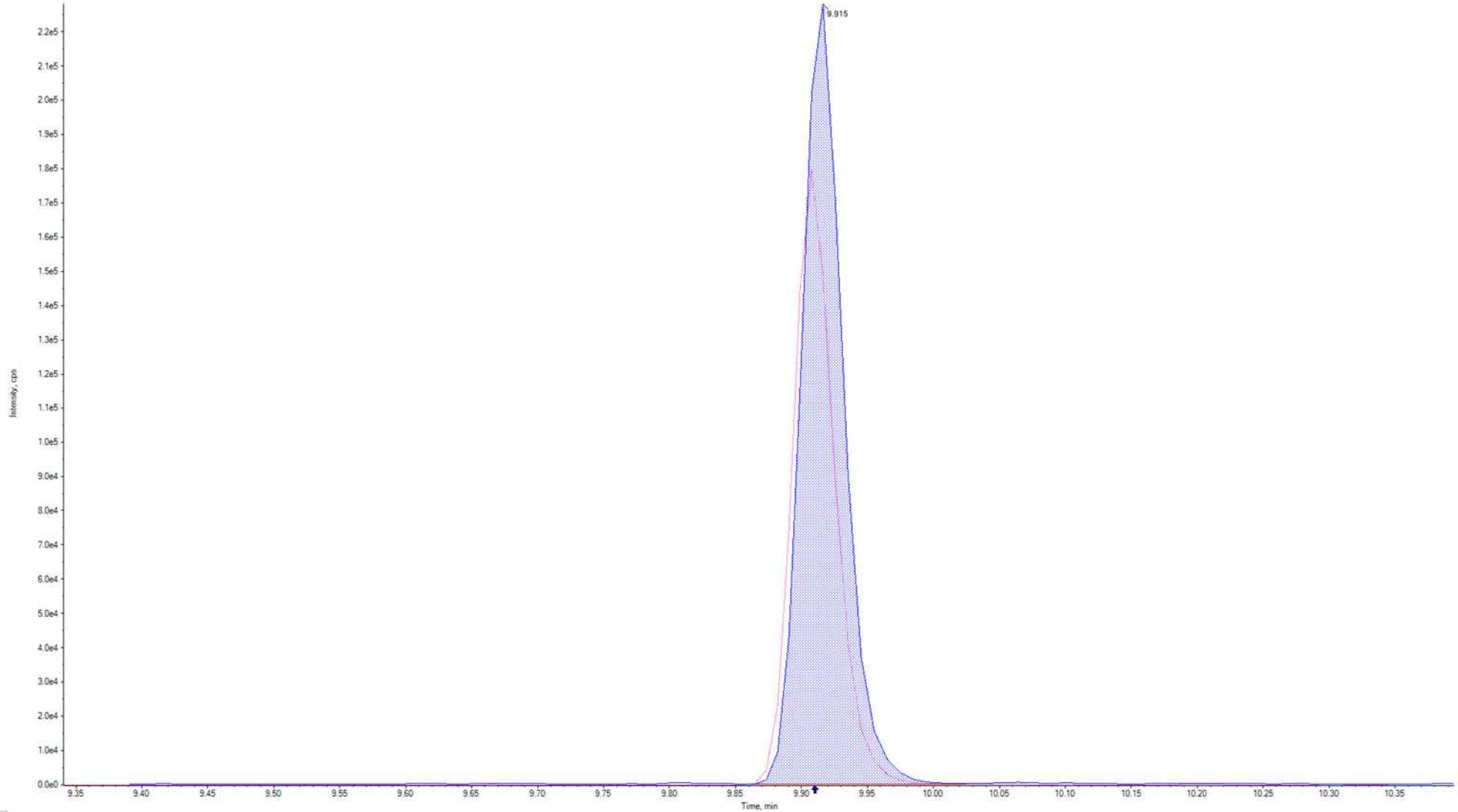


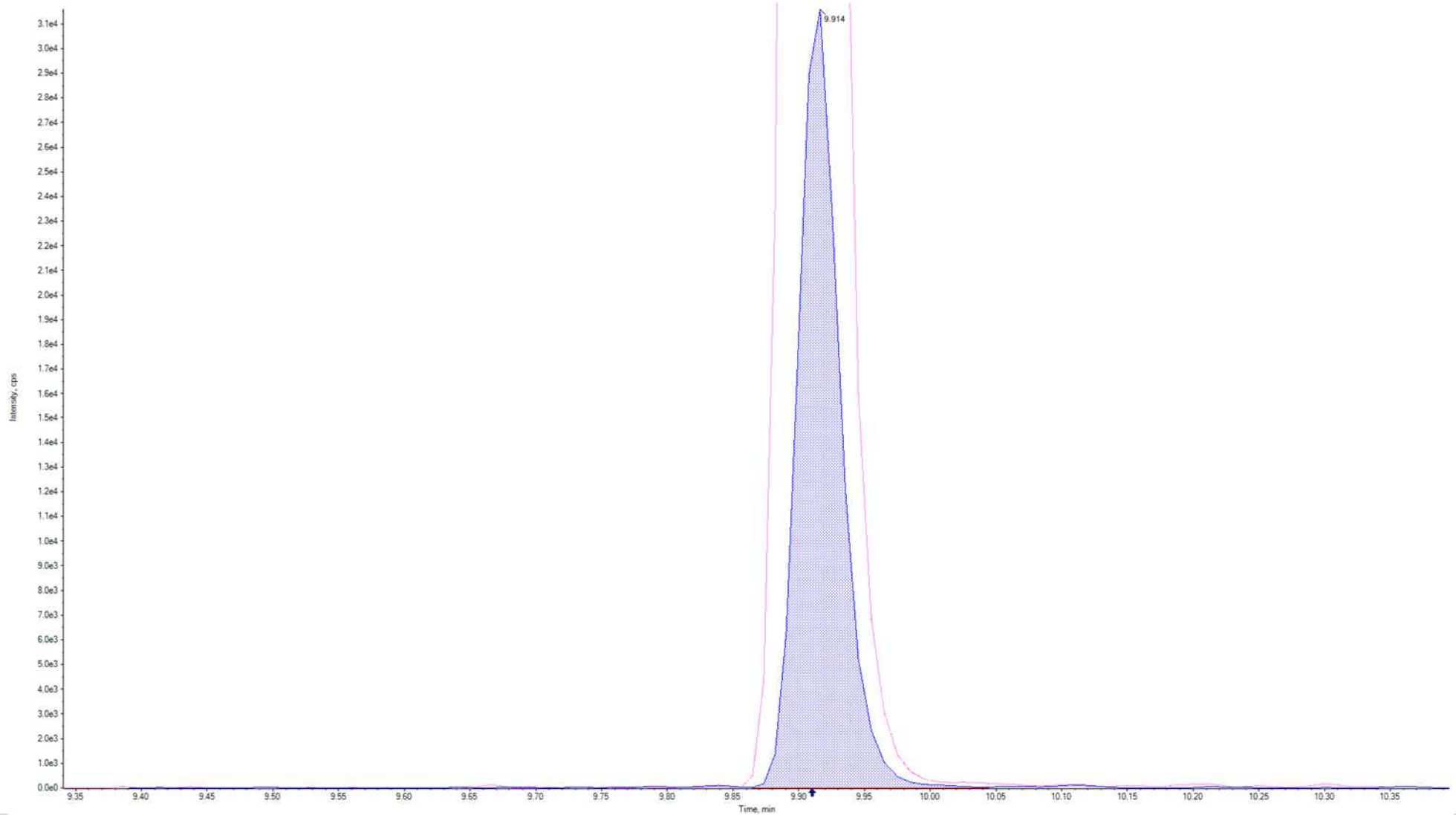
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-1.25 S/N:1719.3 Points Across peak:19



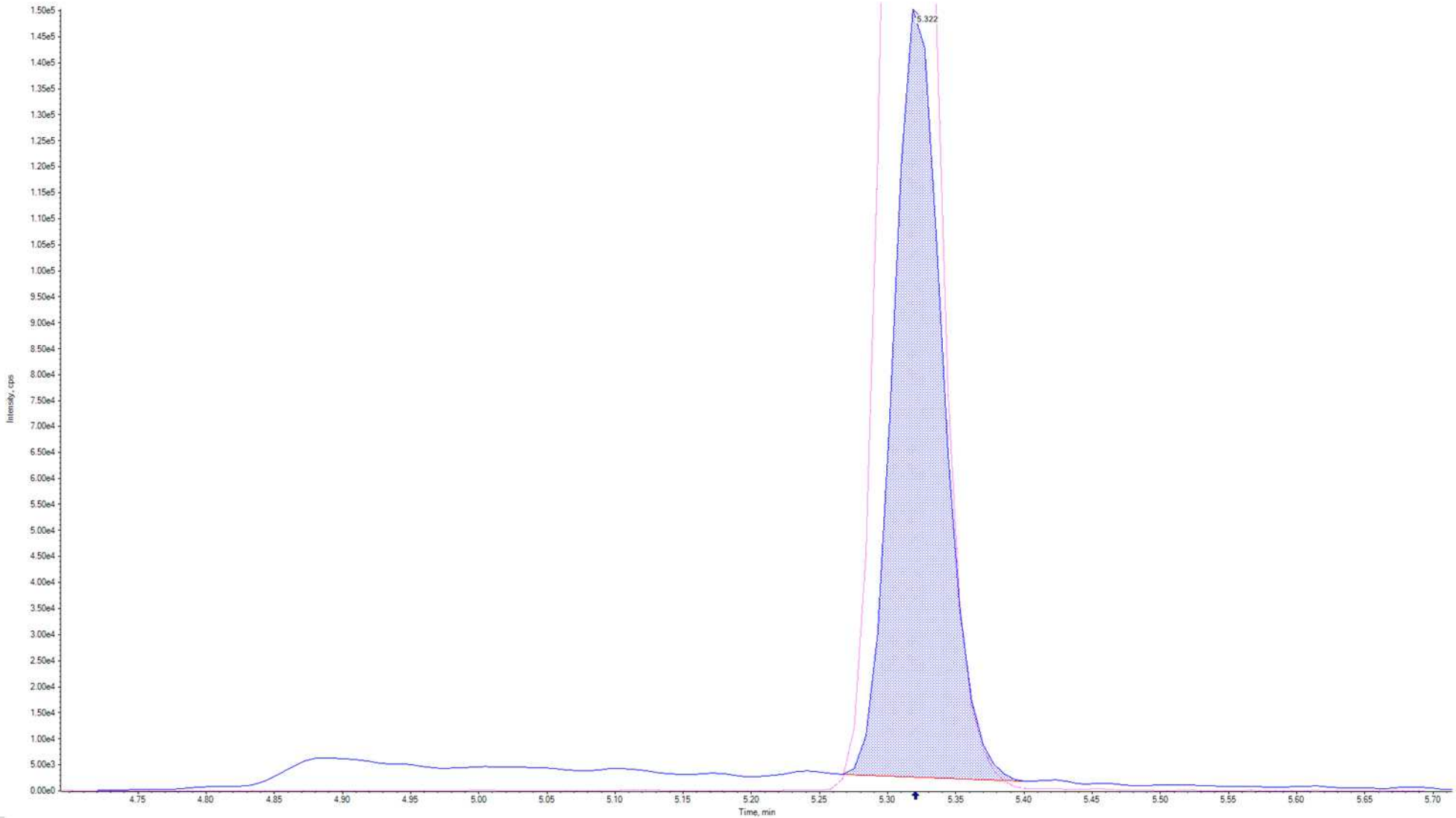
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-1.25 S/N:1463.9 Points Across peak:20



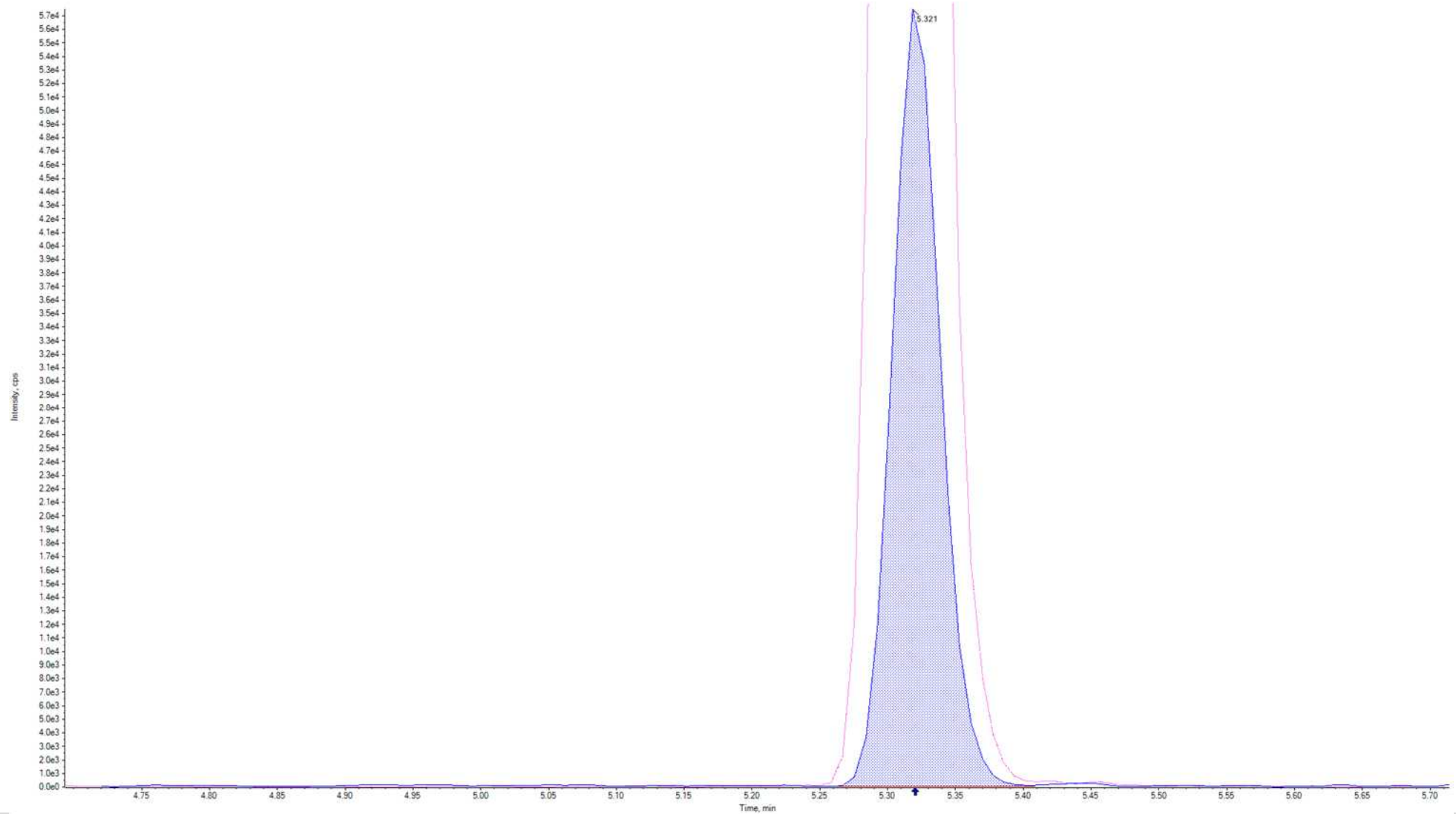
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-1.25 S/N:82.0 Points Across peak:17



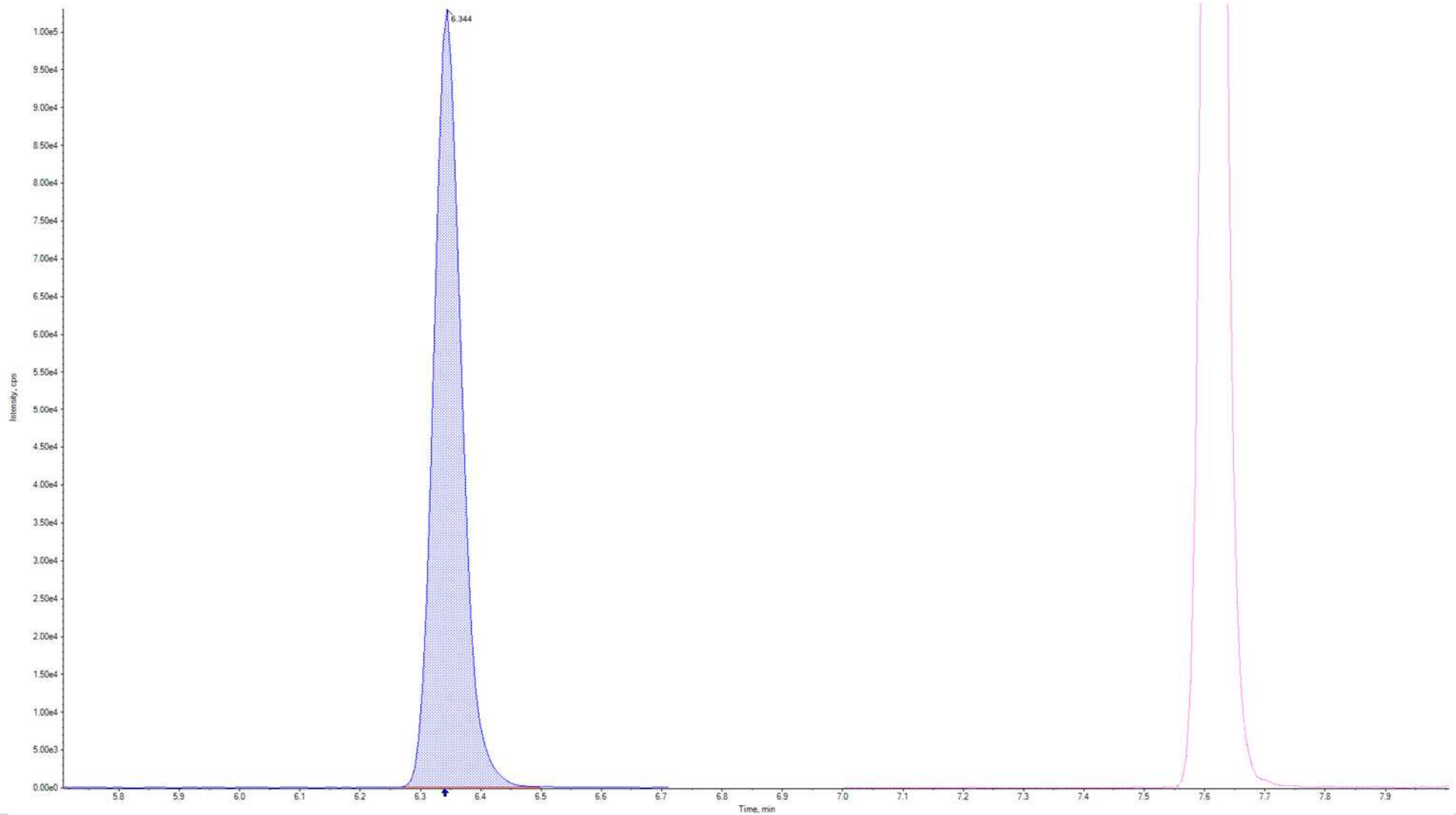
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-1.25 S/N:1708.8 Points Across peak:19



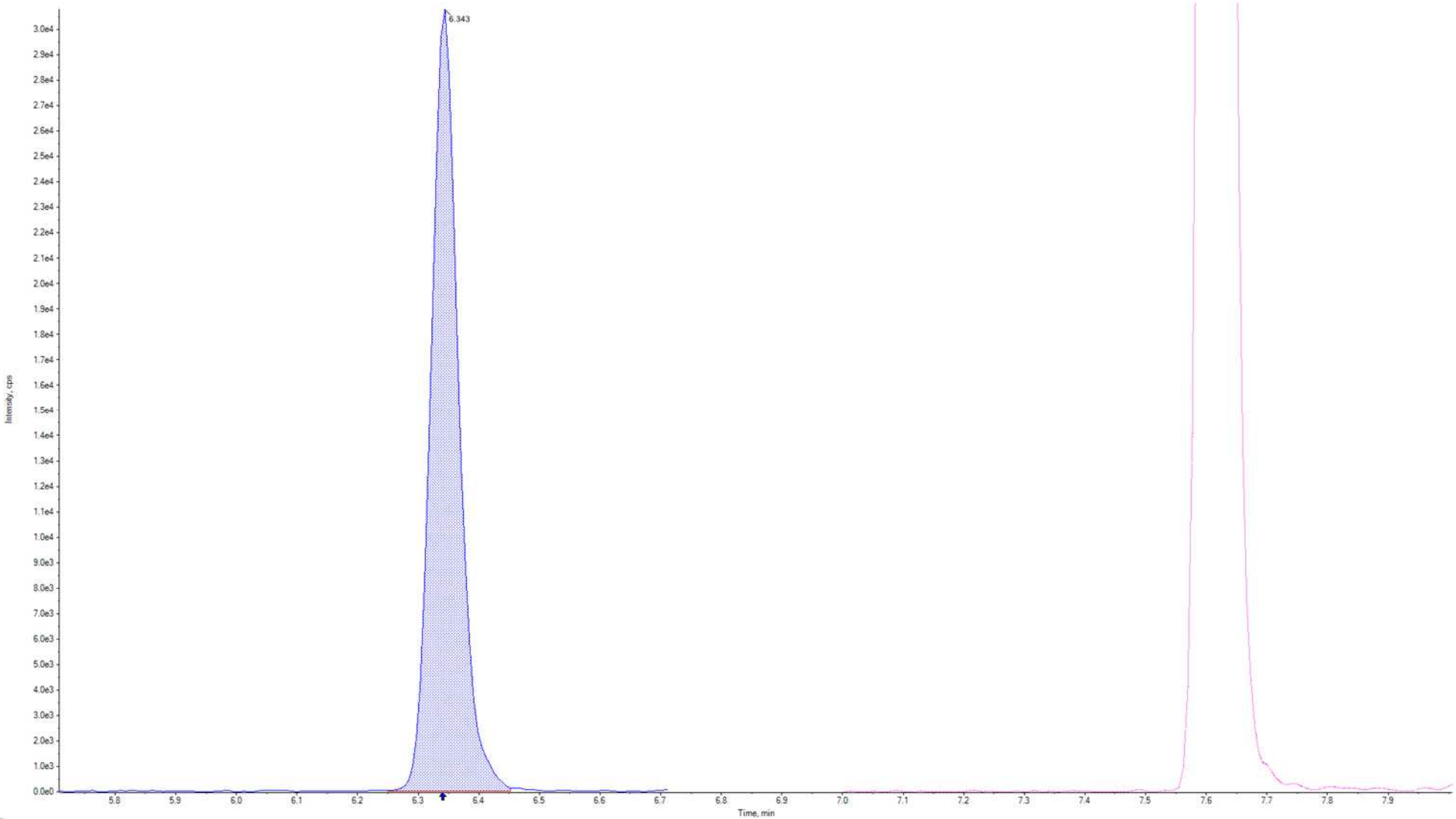
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-1.25 S/N:4866.4 Points Across peak:38



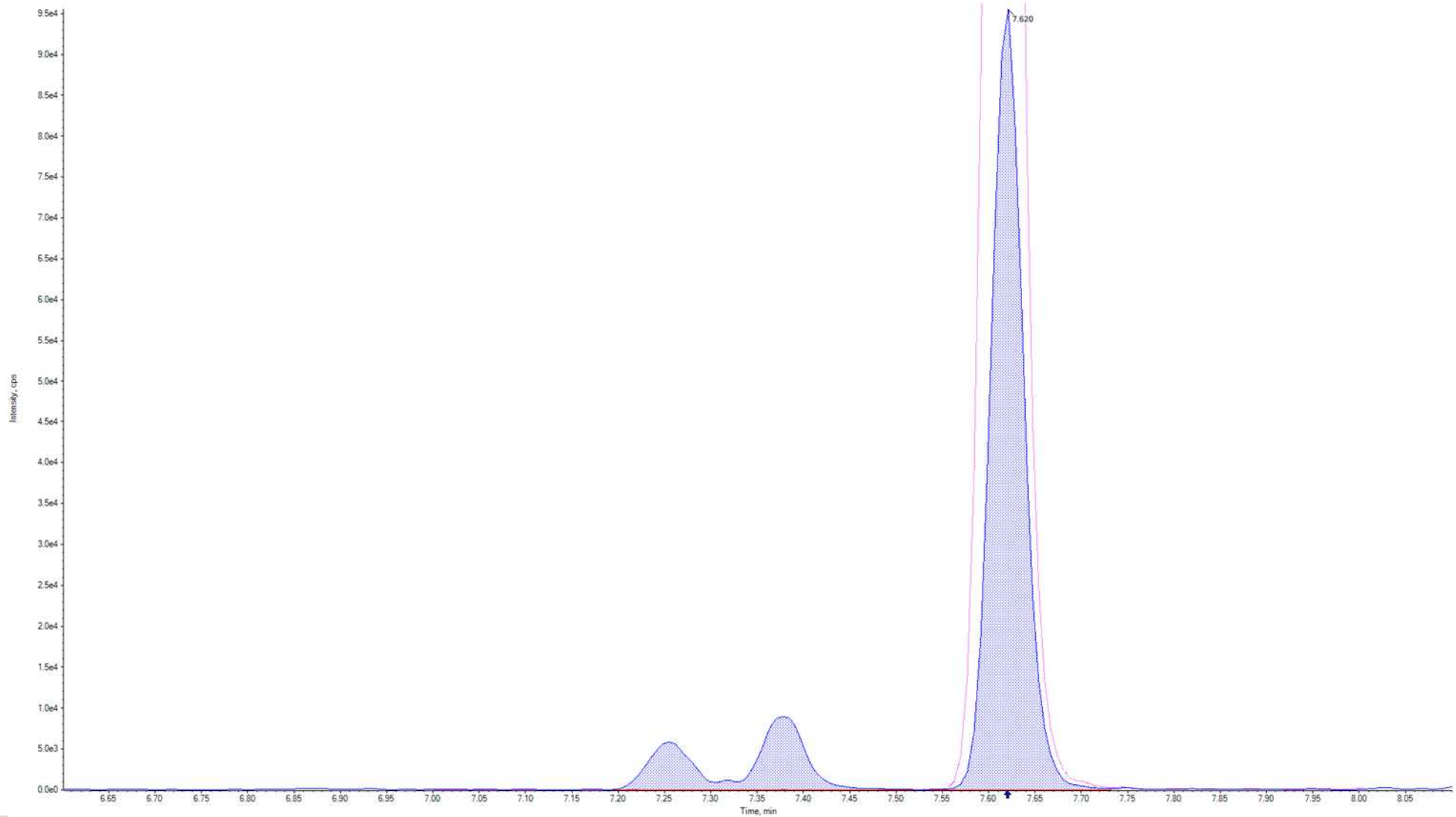
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-1.25 S/N:7422.6 Points Across peak:32



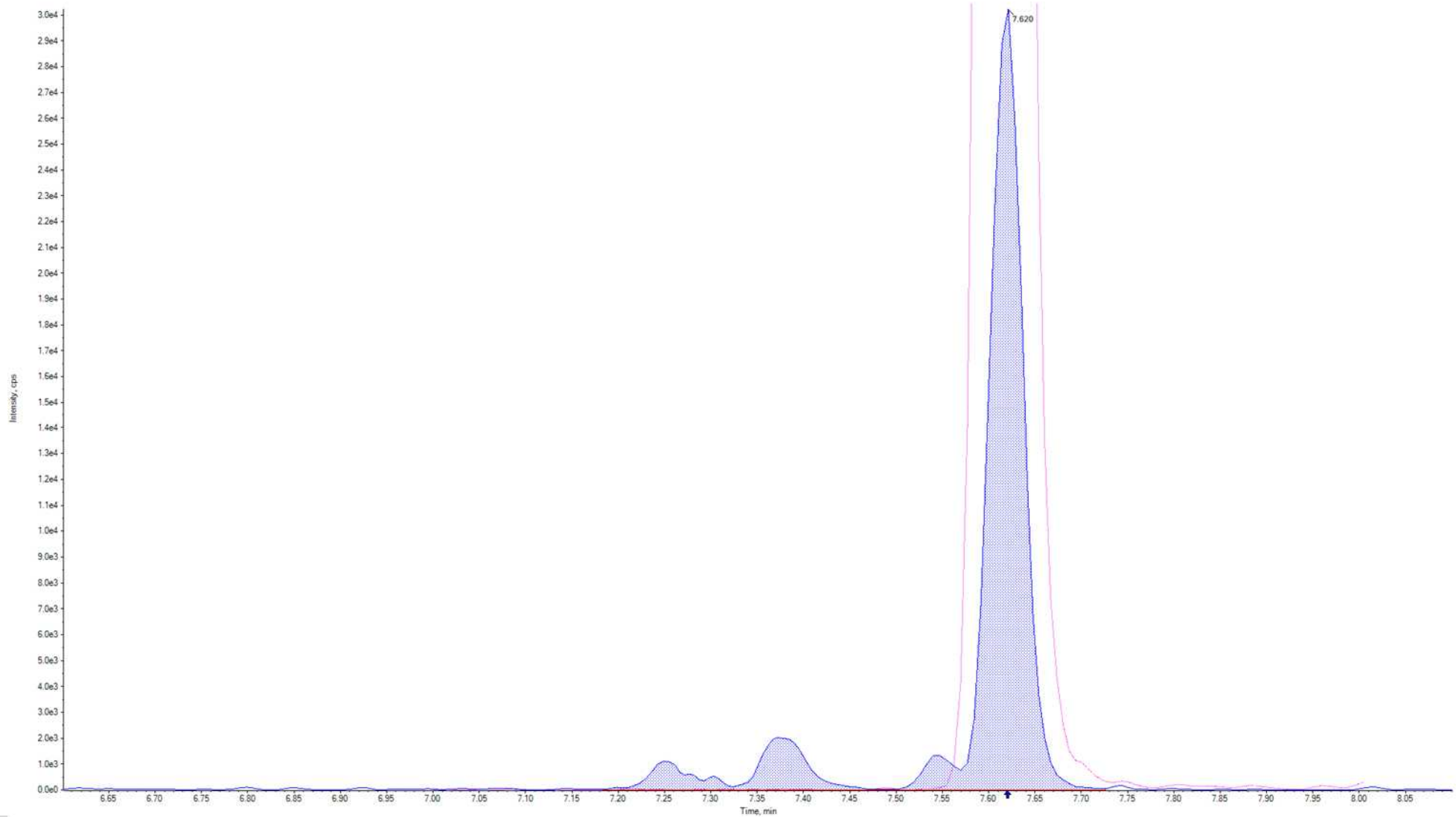
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-1.25 S/N:27805.6 Points Across peak:88



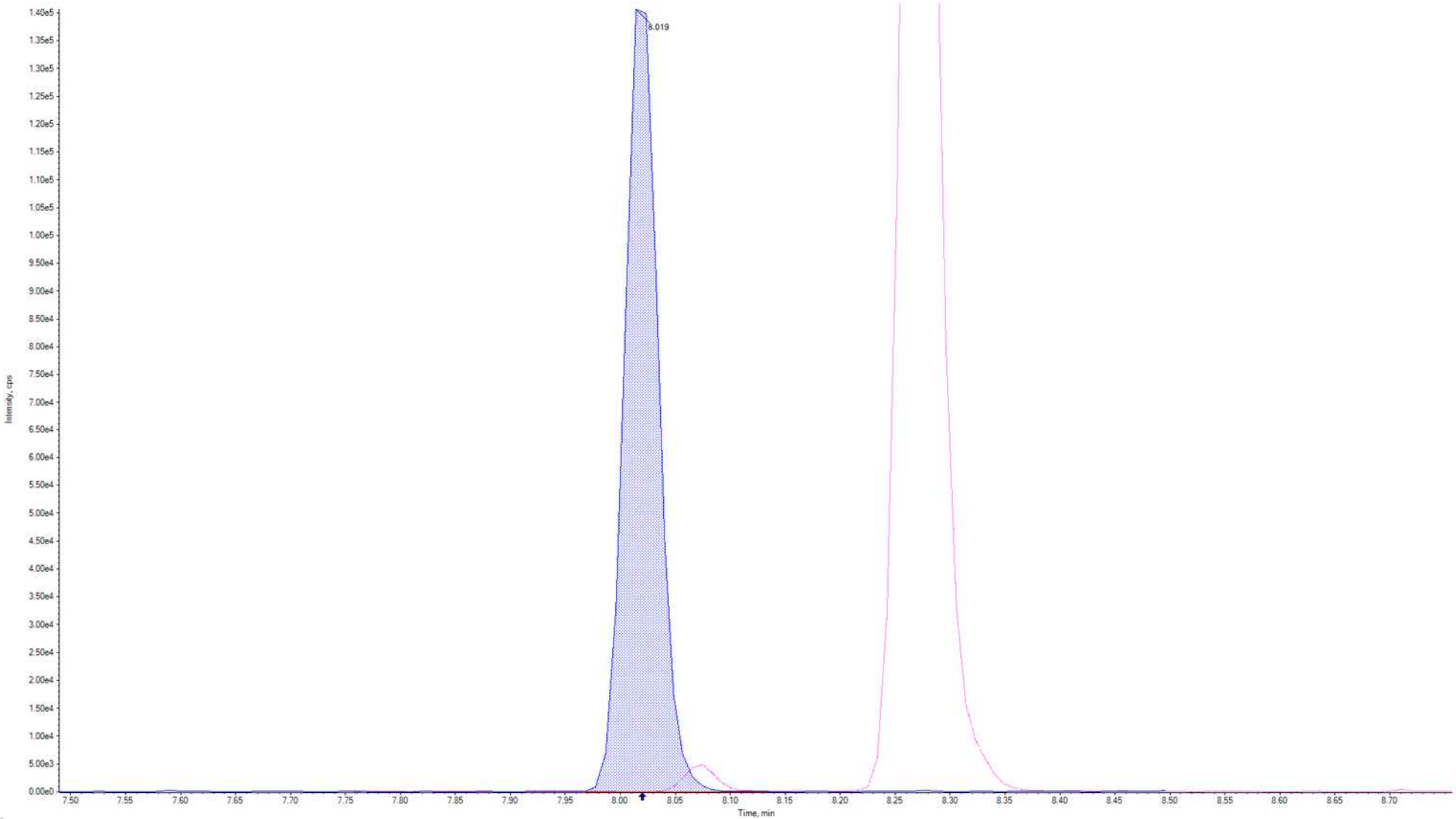
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-1.25 S/N:5313019.9 Points Across peak:88



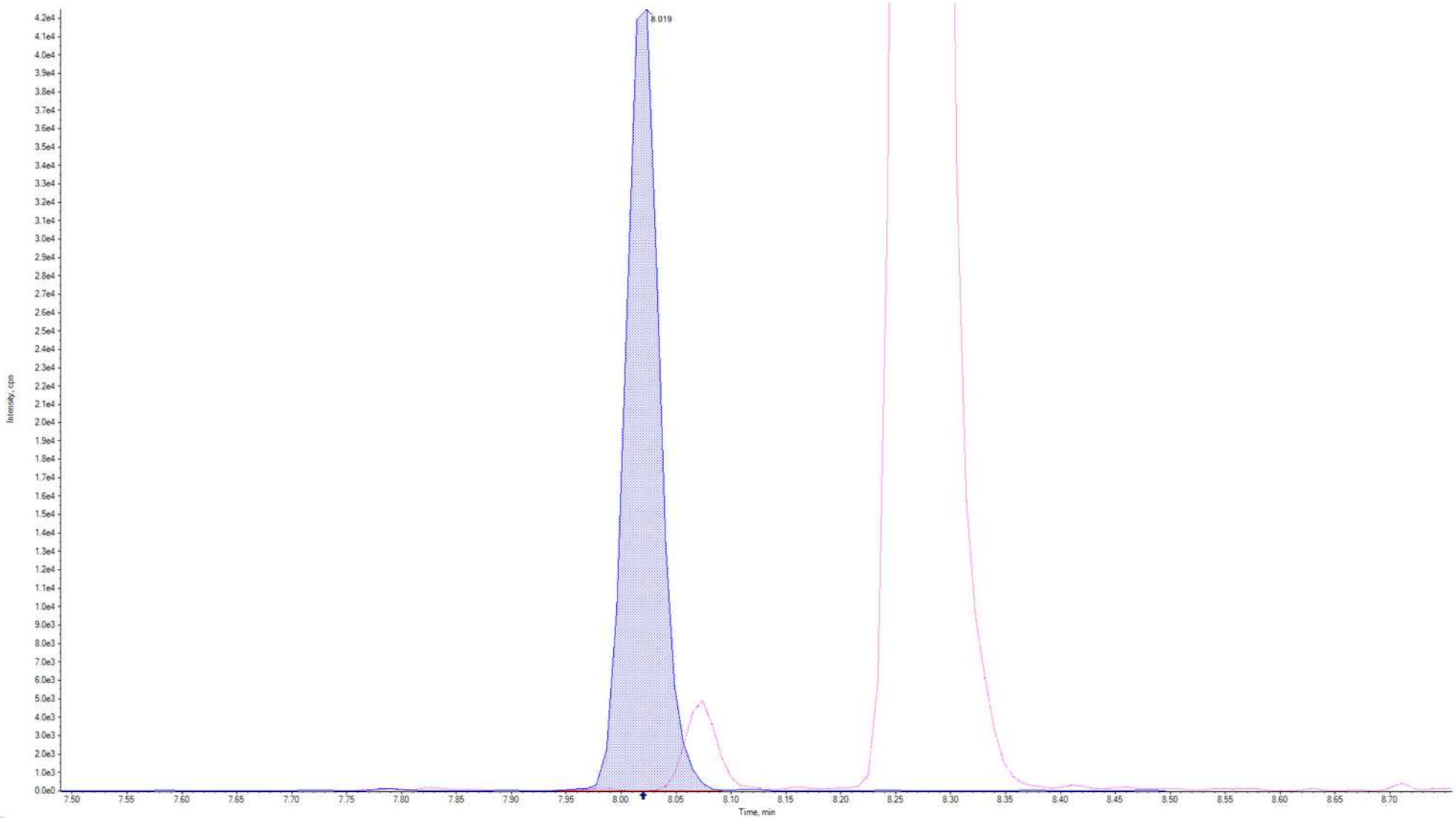
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-1.25 S/N:60036.3 Points Across peak:22



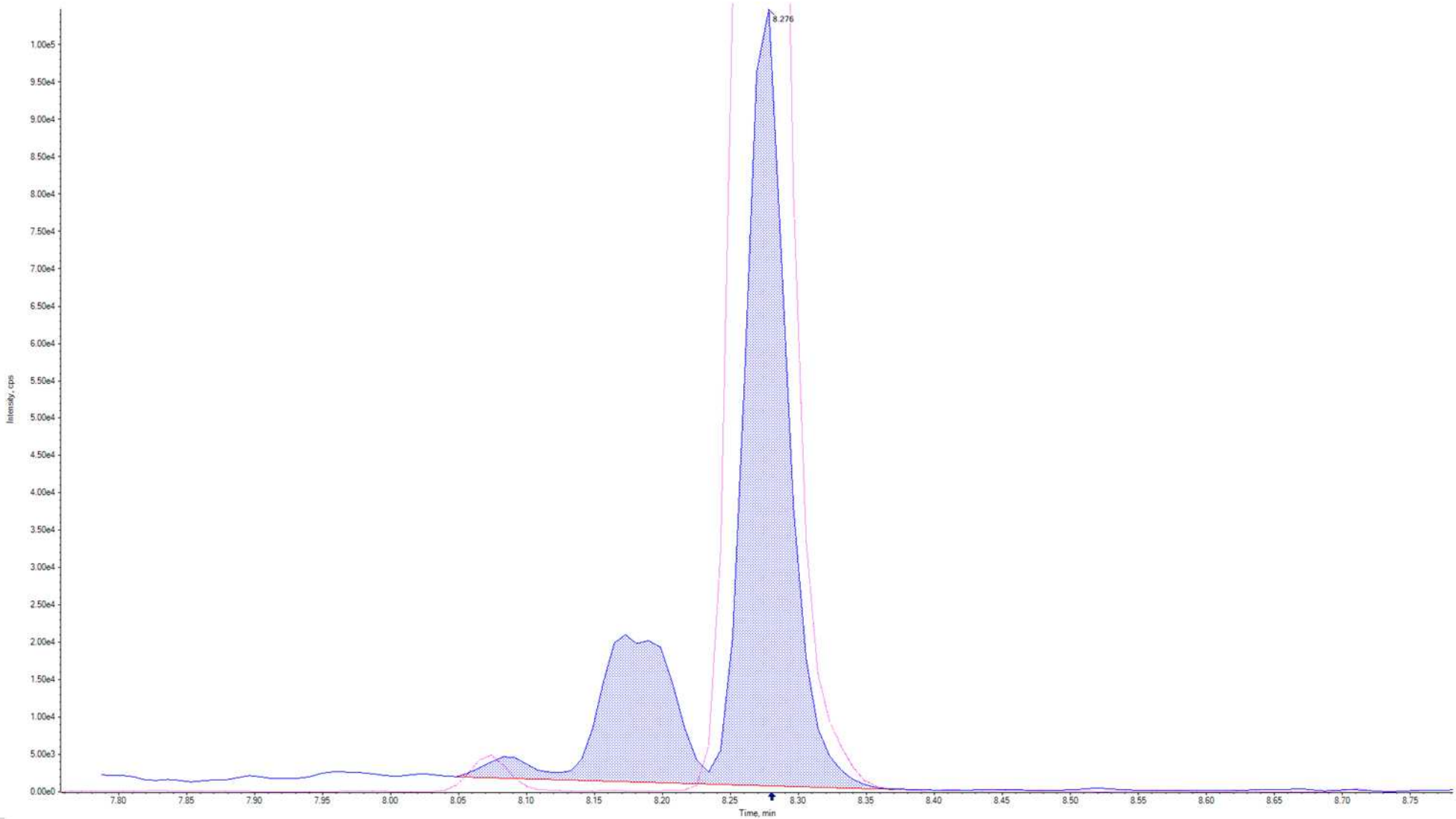
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-1.25 S/N:2053.8 Points Across peak:20



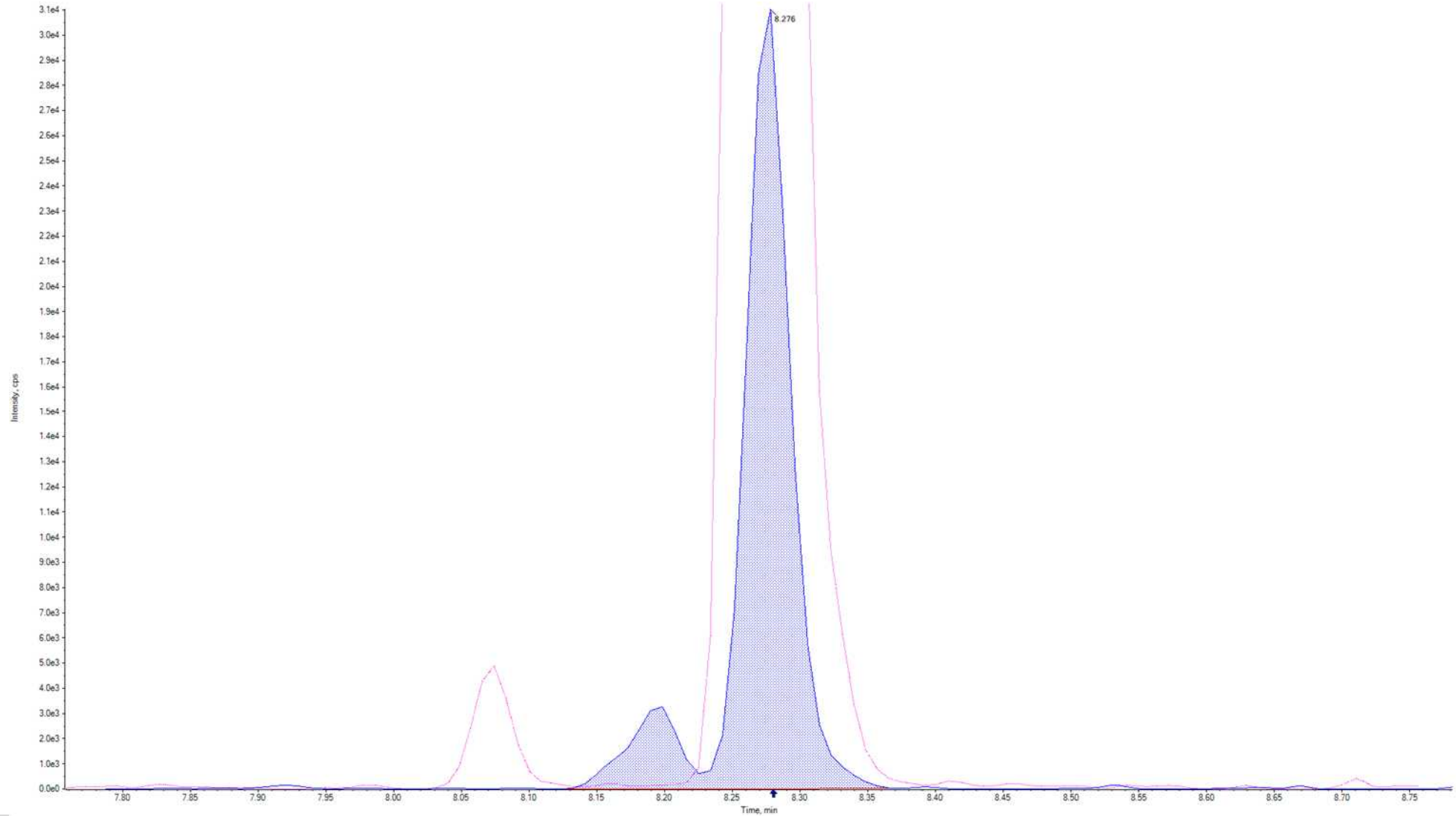
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-1.25 S/N:1470.1 Points Across peak:40



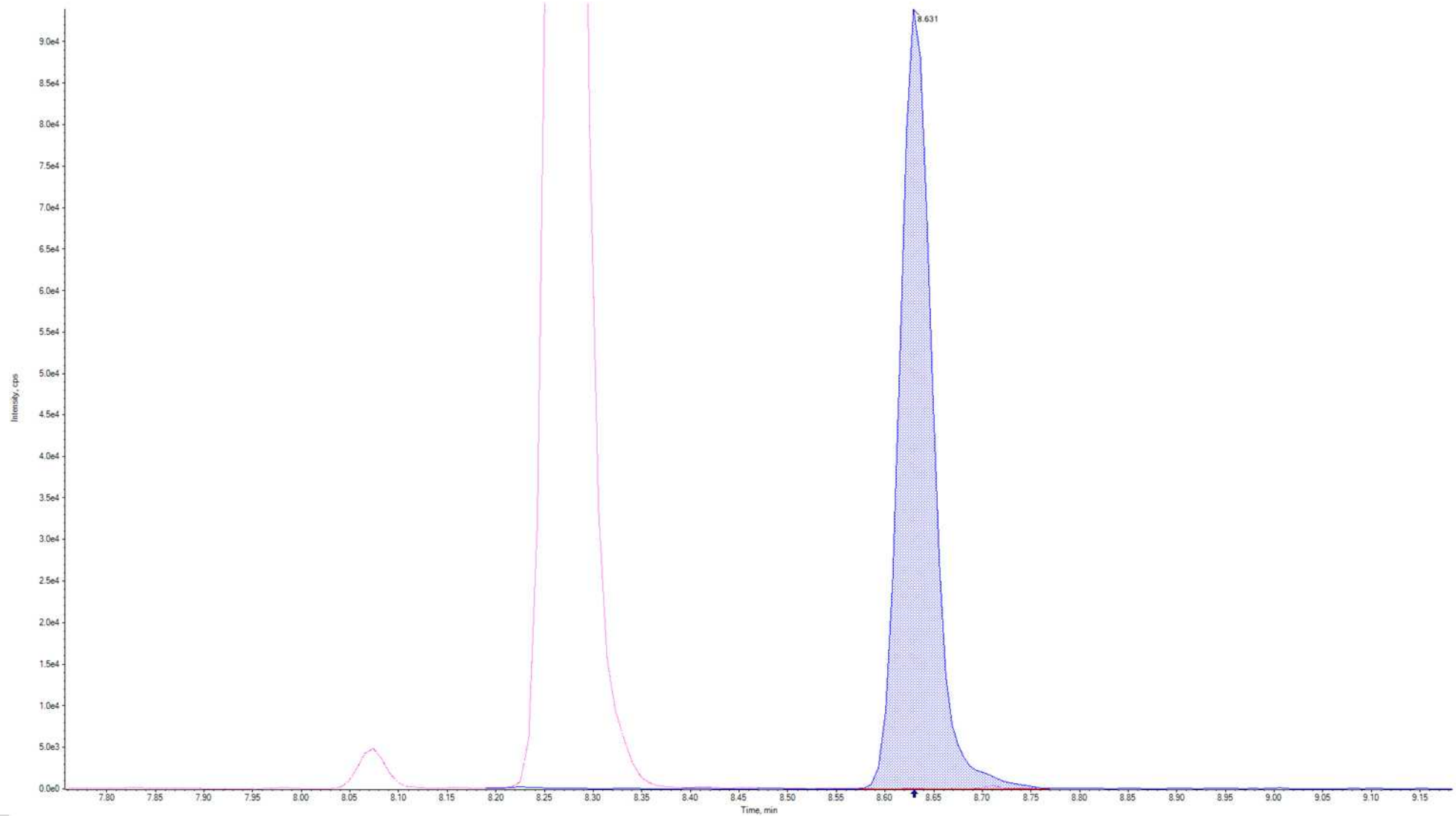
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-1.25 S/N:1046.2 Points Across peak:31



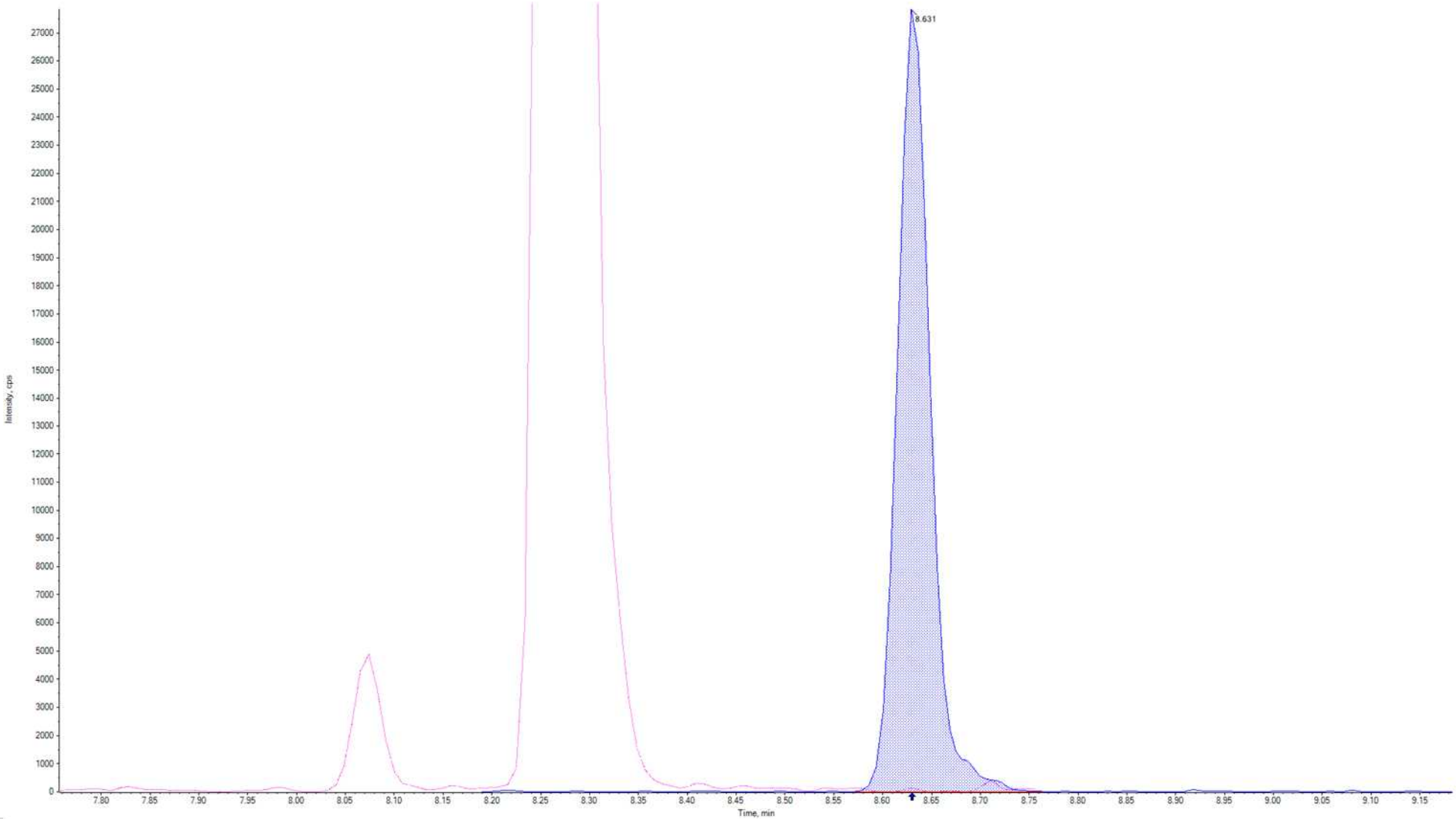
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-1.25 S/N:10074.3 Points Across peak:32



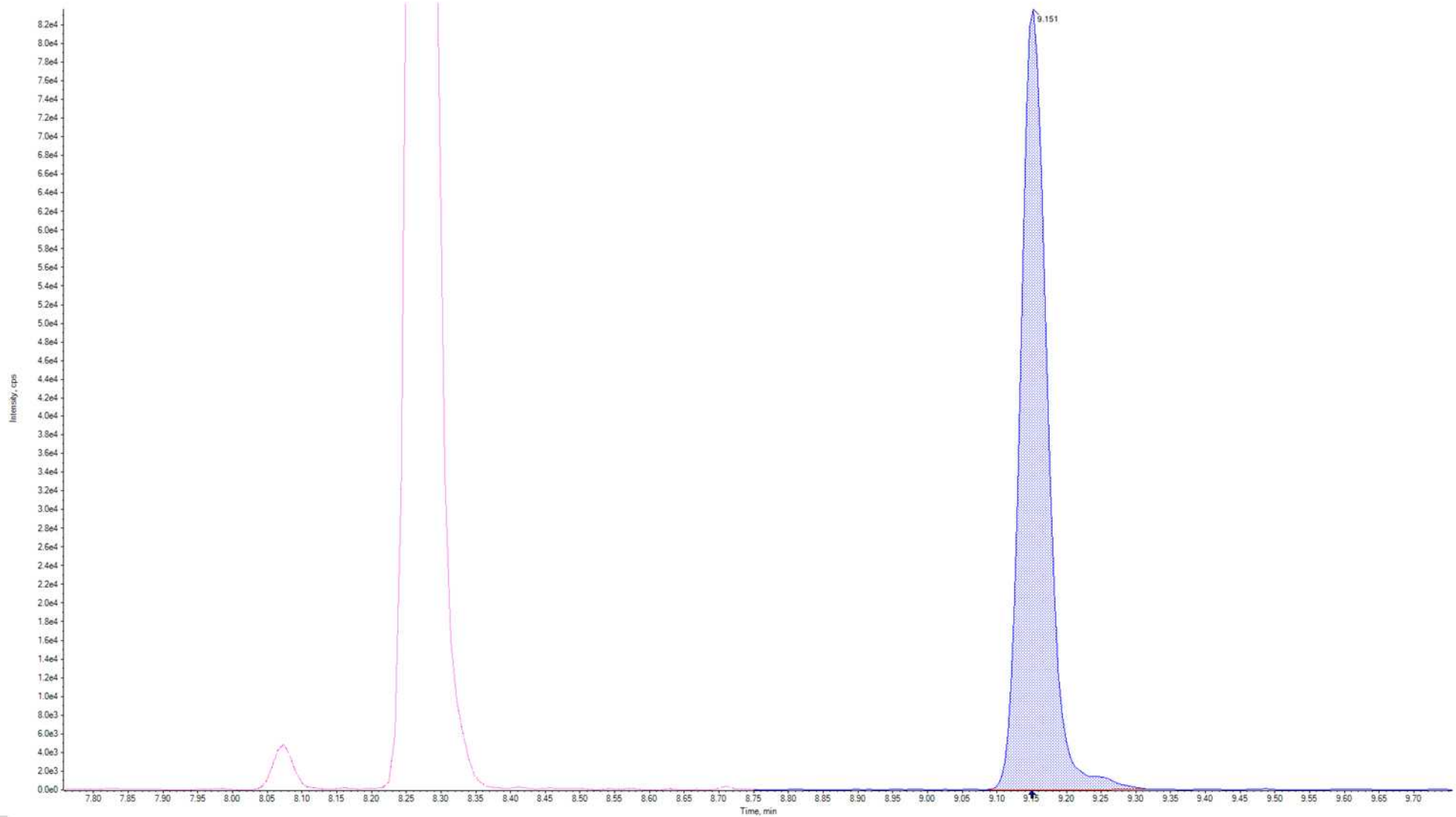
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-1.25 S/N:16777965.5 Points Across peak:34



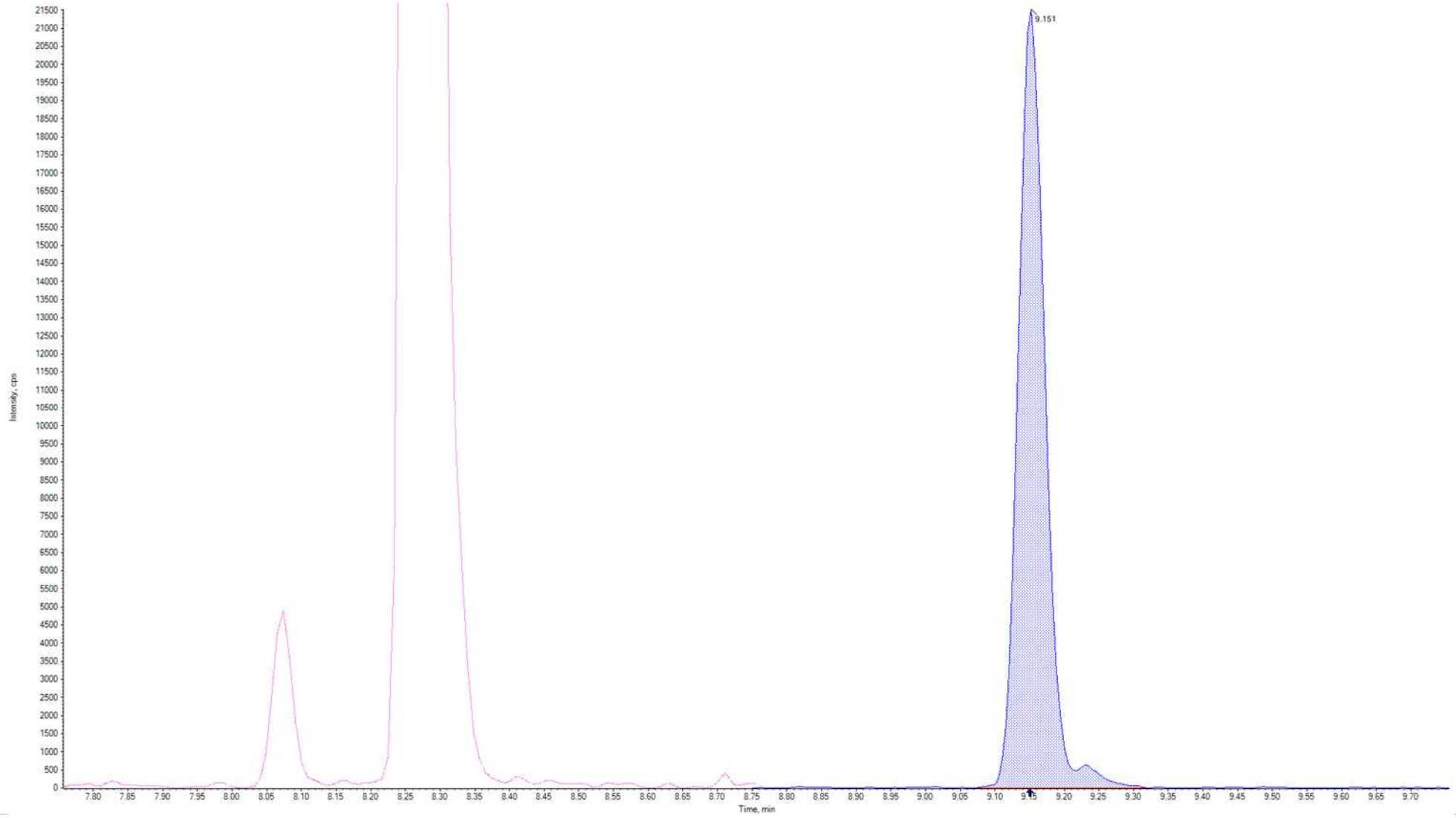
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-1.25 S/N:14604.9 Points Across peak:46



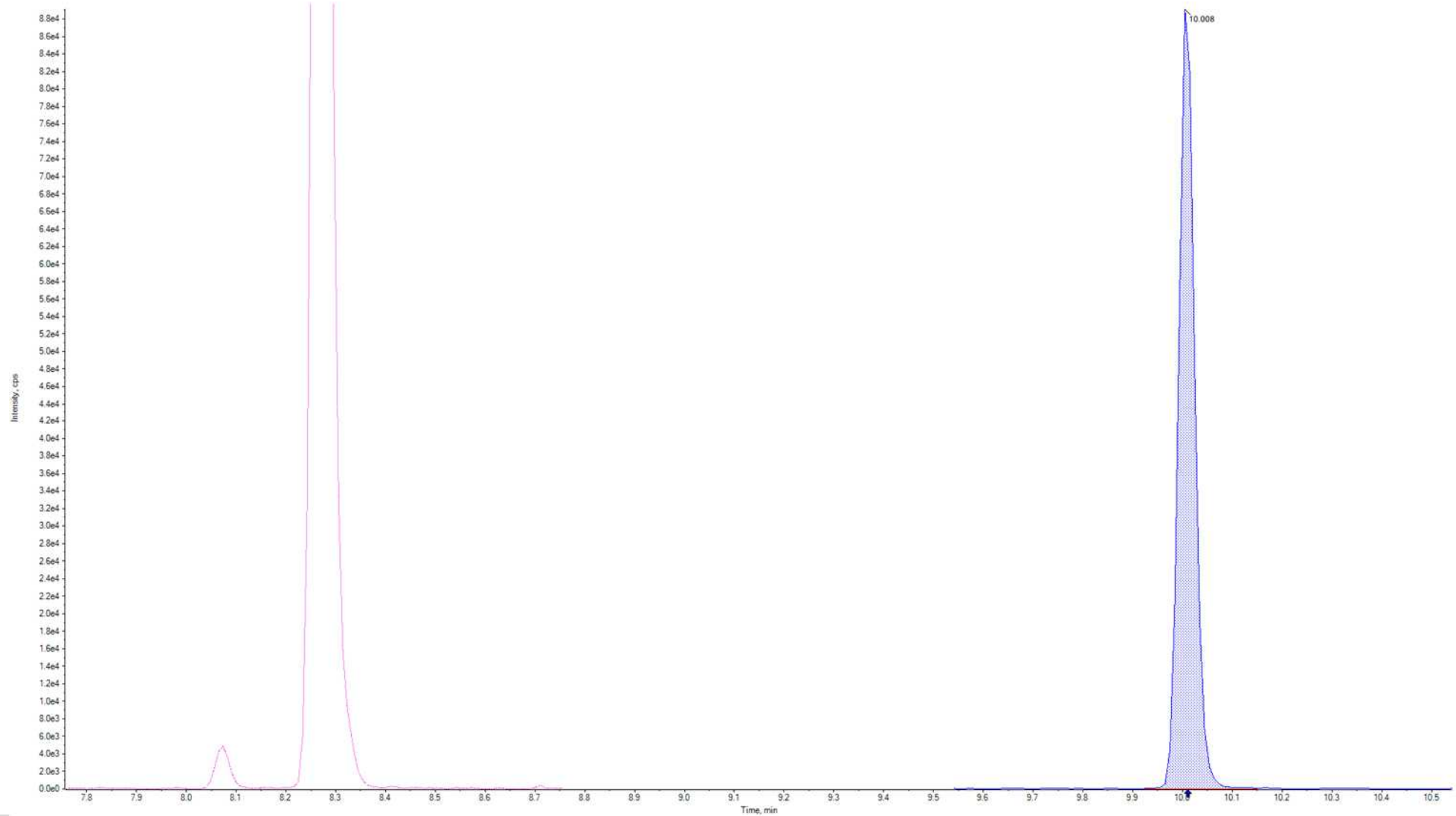
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-1.25 S/N:2392.5 Points Across peak:48



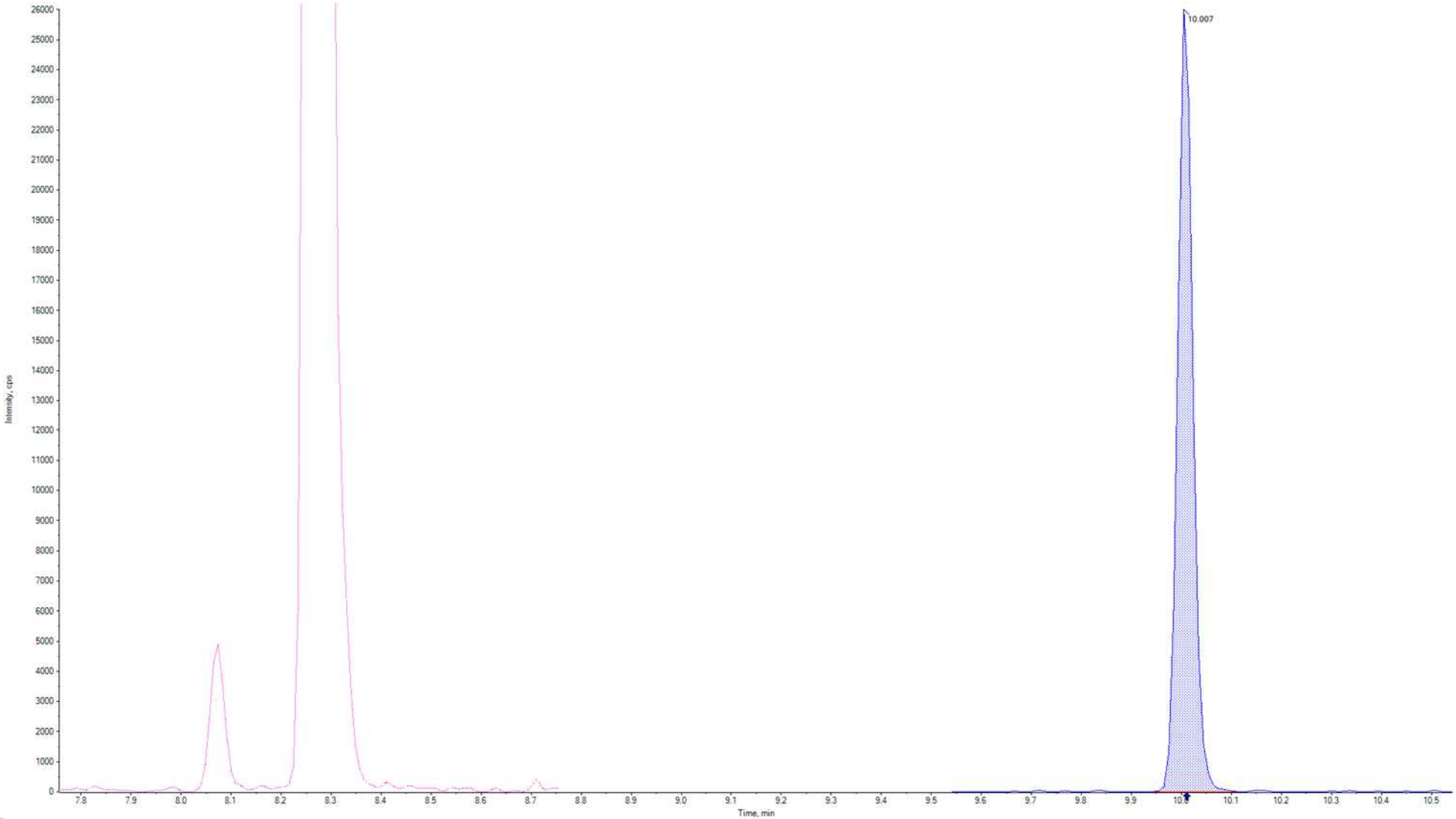
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-1.25 S/N:130154.7 Points Across peak:28



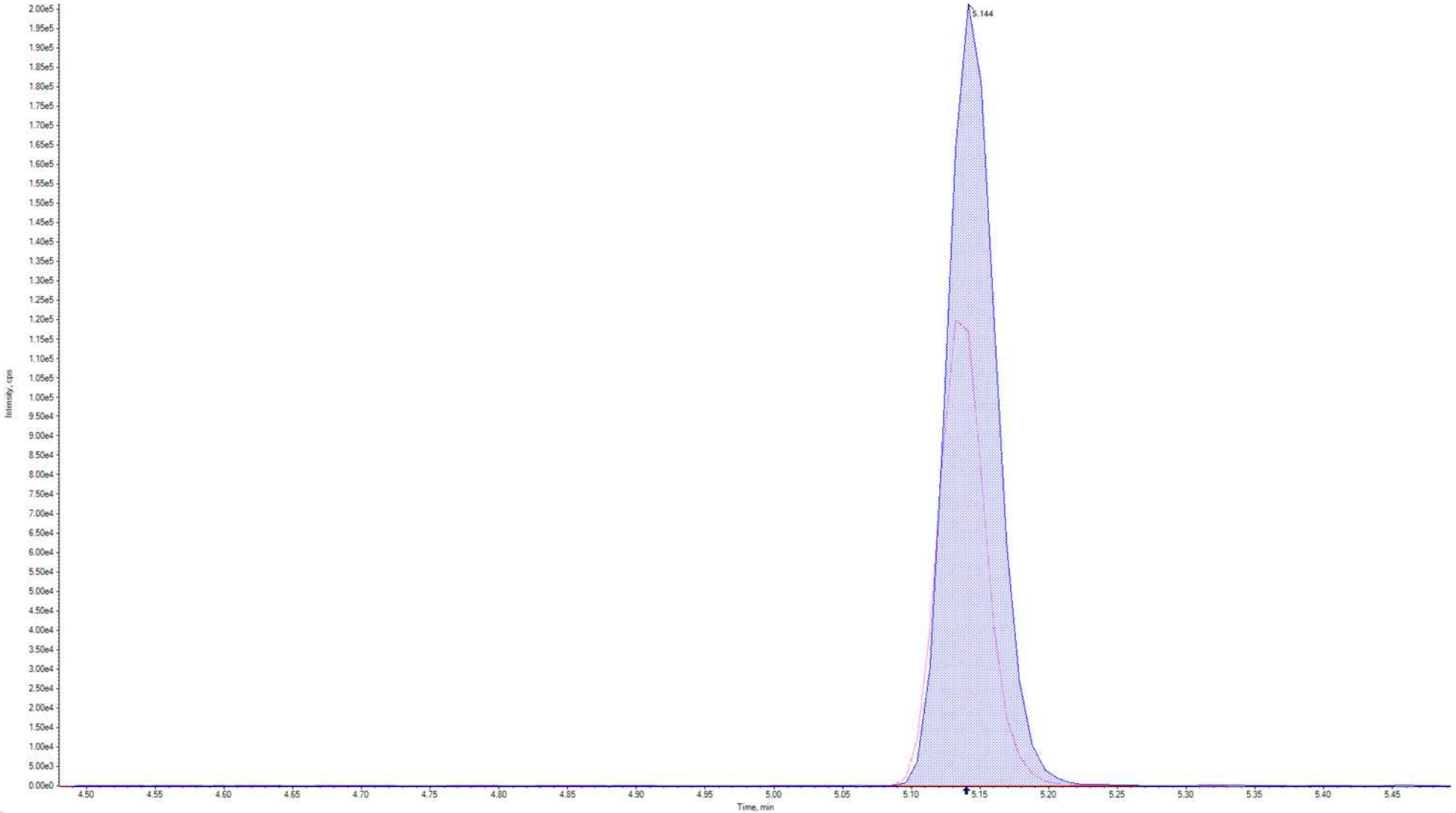
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-1.25 S/N:2628.4 Points Across peak:23



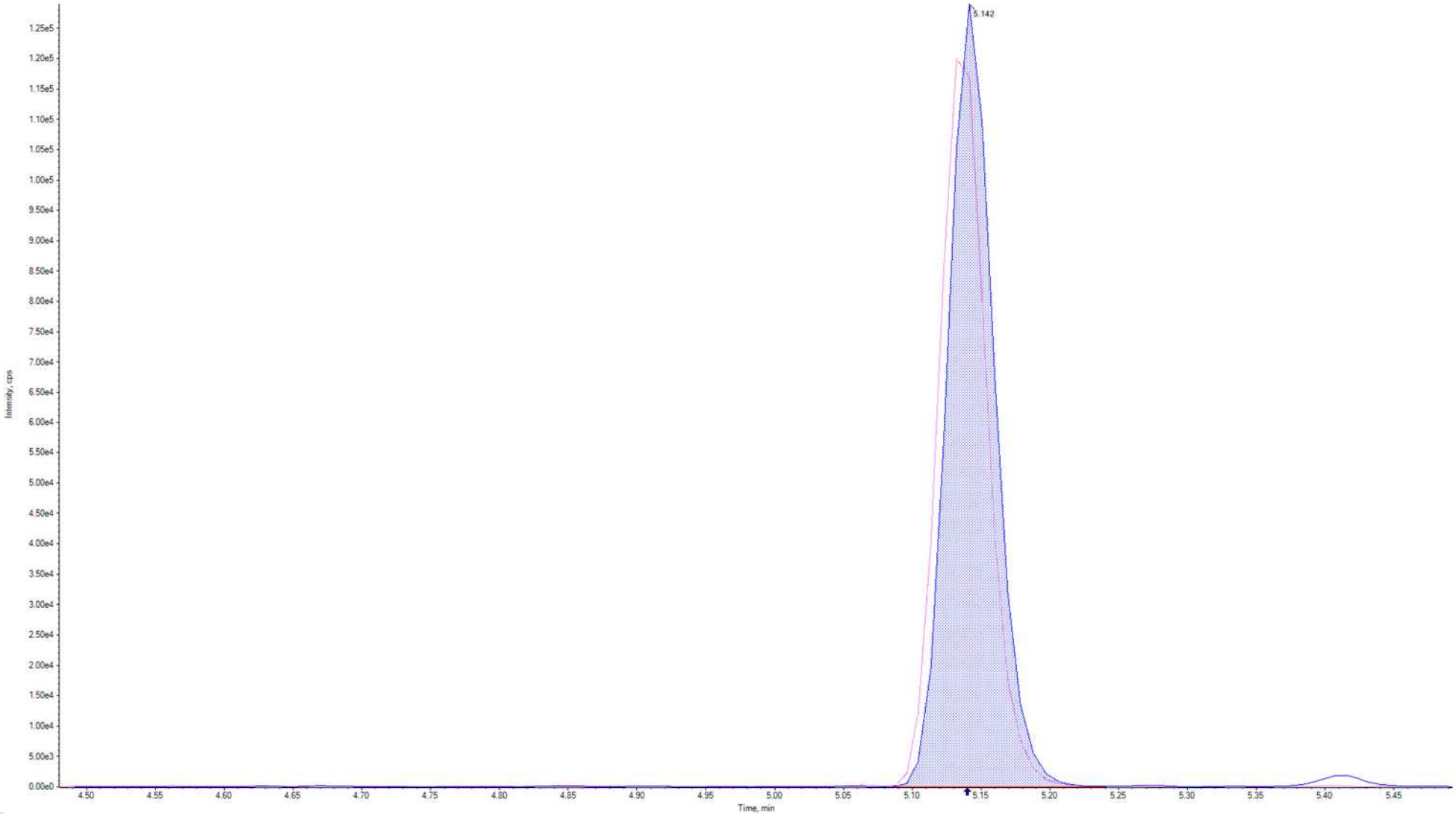
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-1.25 S/N:29167998.8 Points Across peak:28



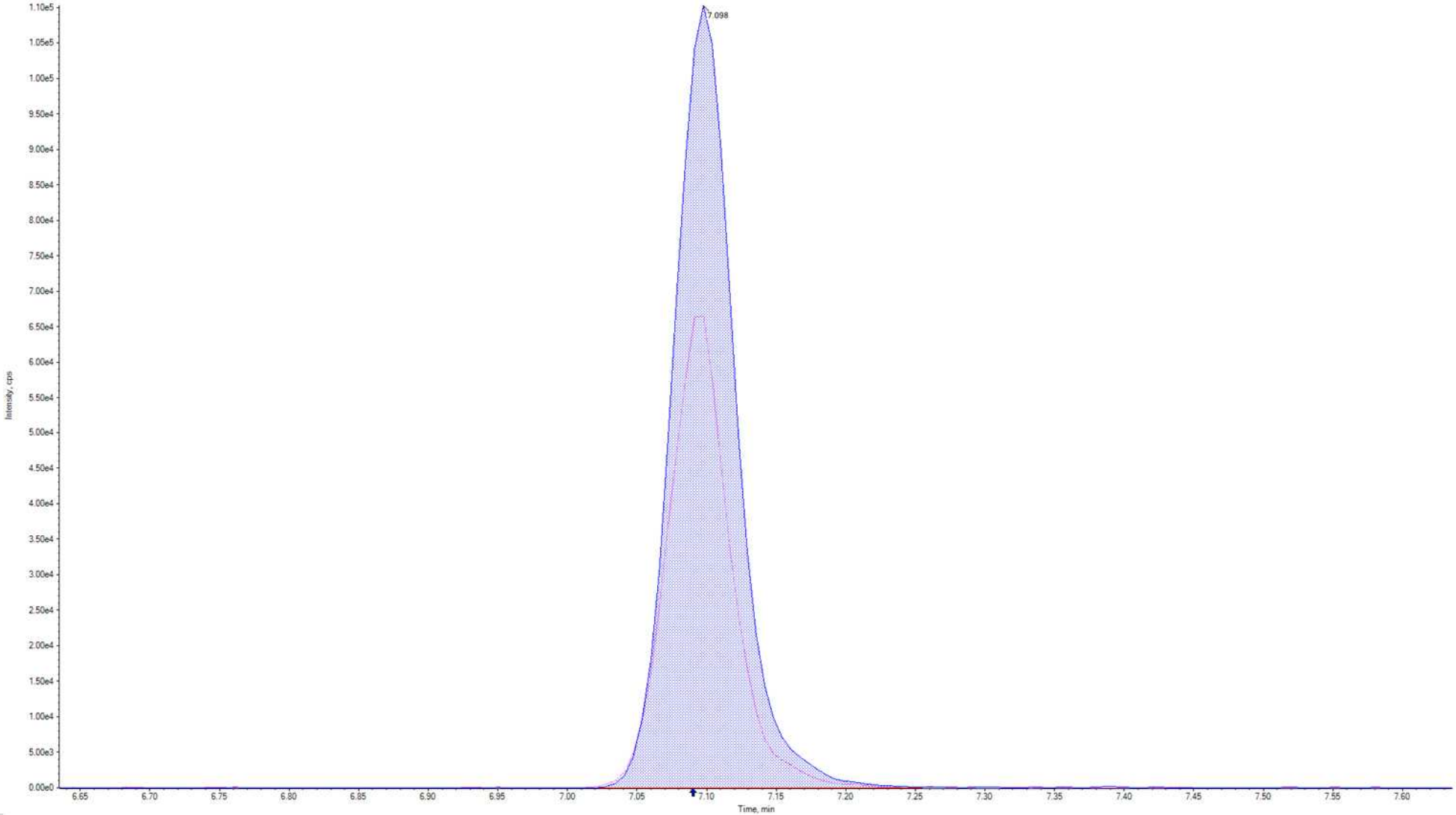
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-1.25 S/N:3739.7 Points Across peak:19



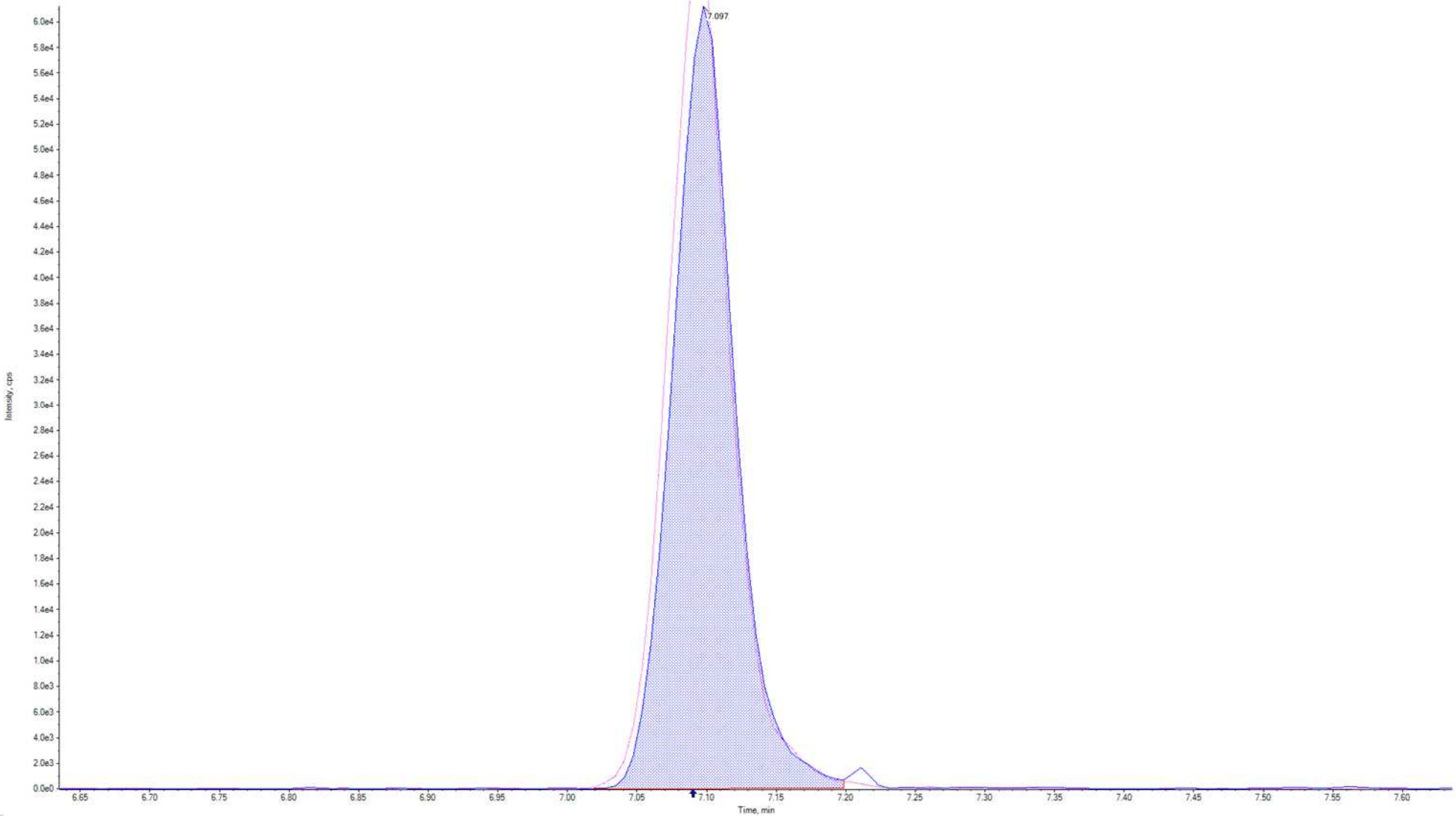
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-1.25 S/N:3308.7 Points Across peak:40



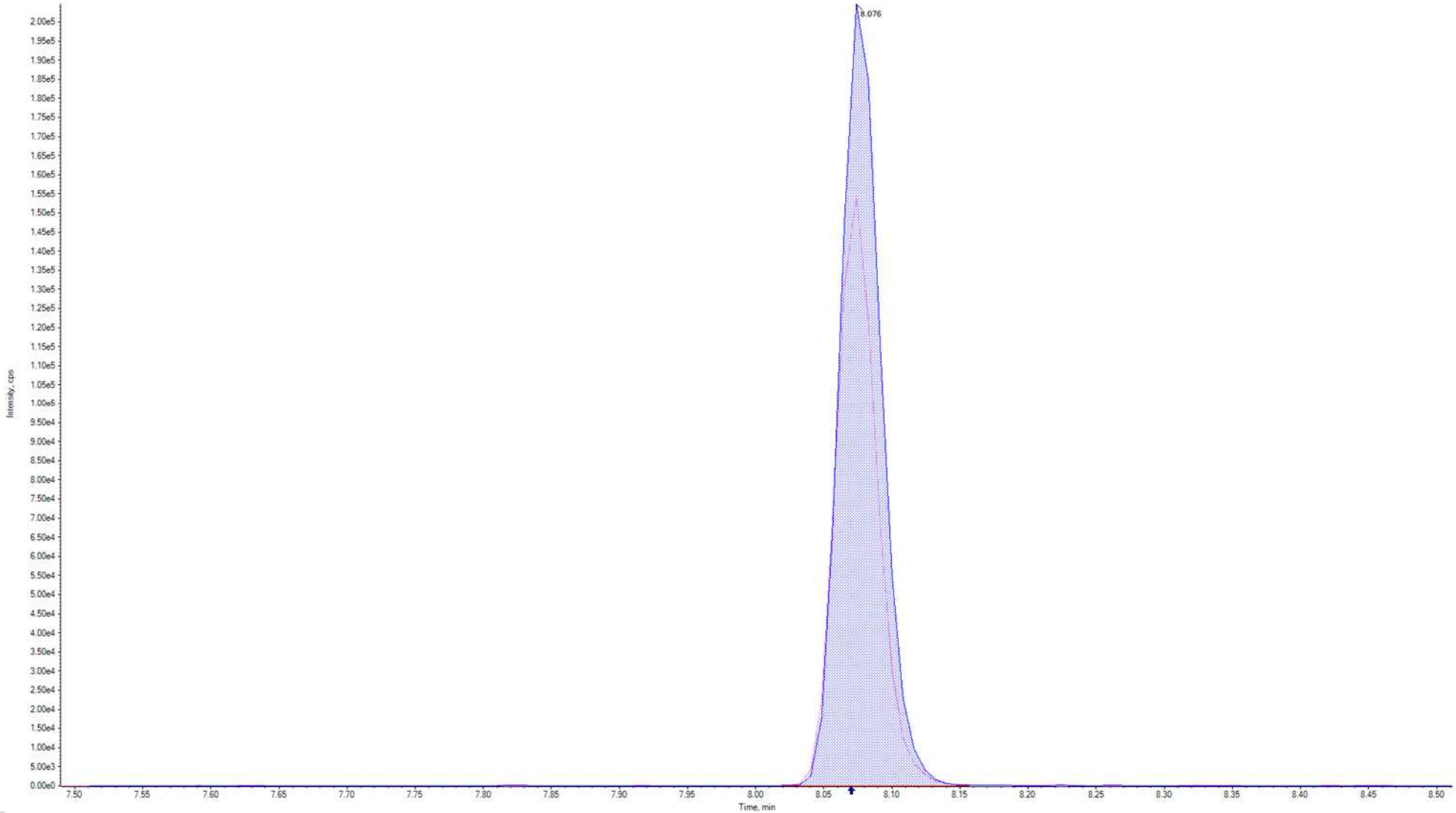
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-1.25 S/N:1678.1 Points Across peak:30



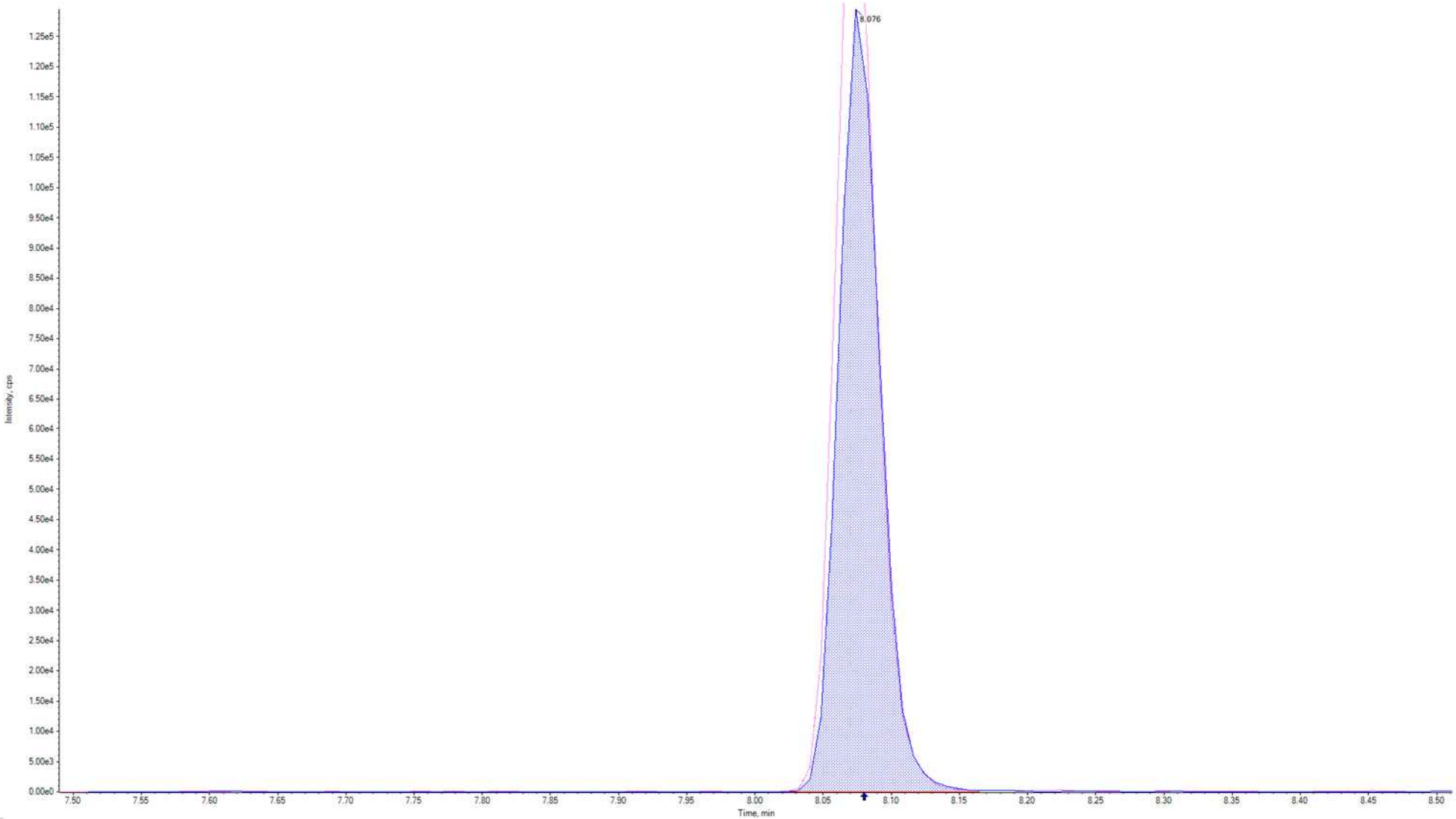
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-1.25 S/N:4641.6 Points Across peak:24



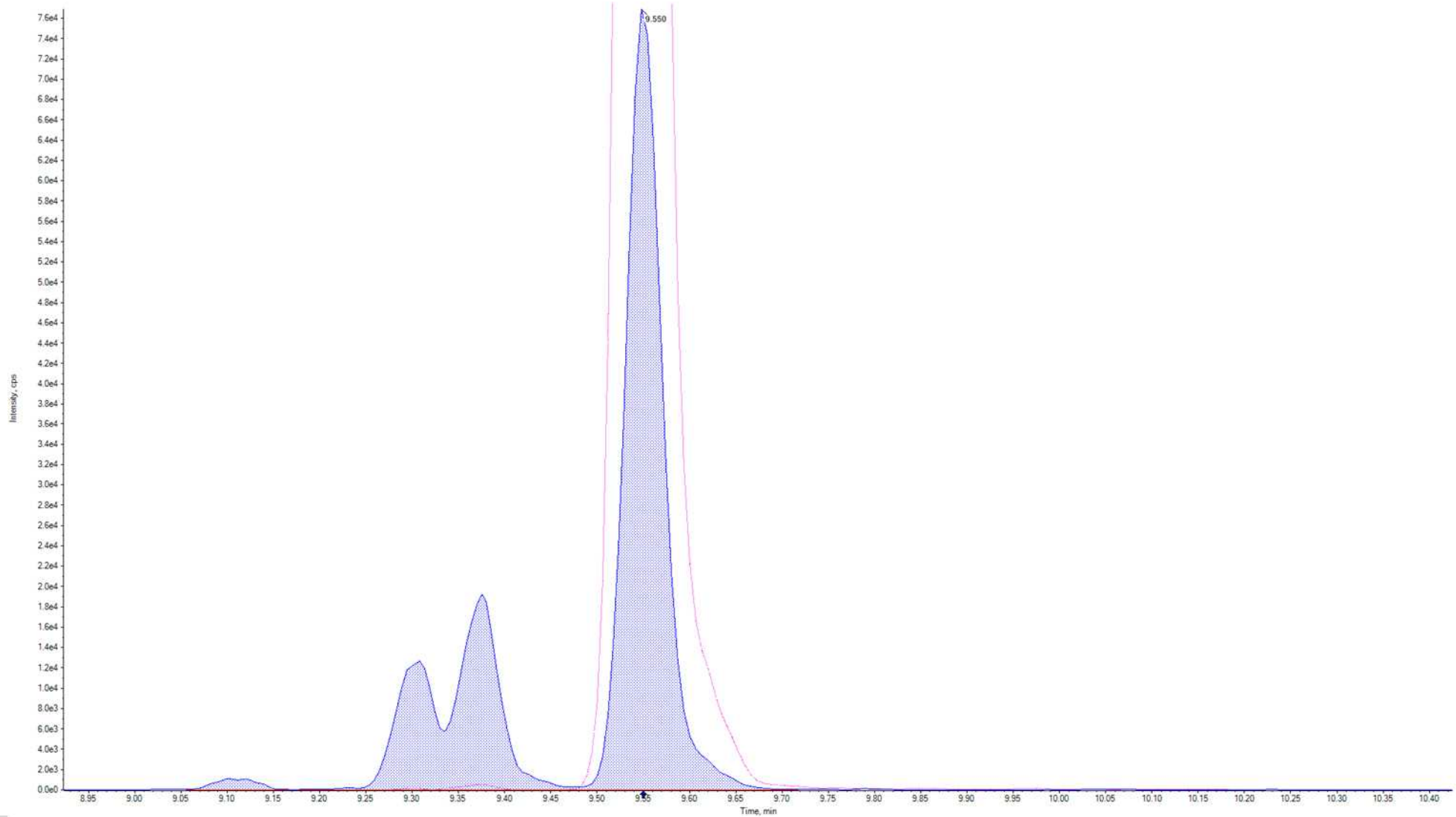
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-1.25 S/N:1910.4 Points Across peak:19



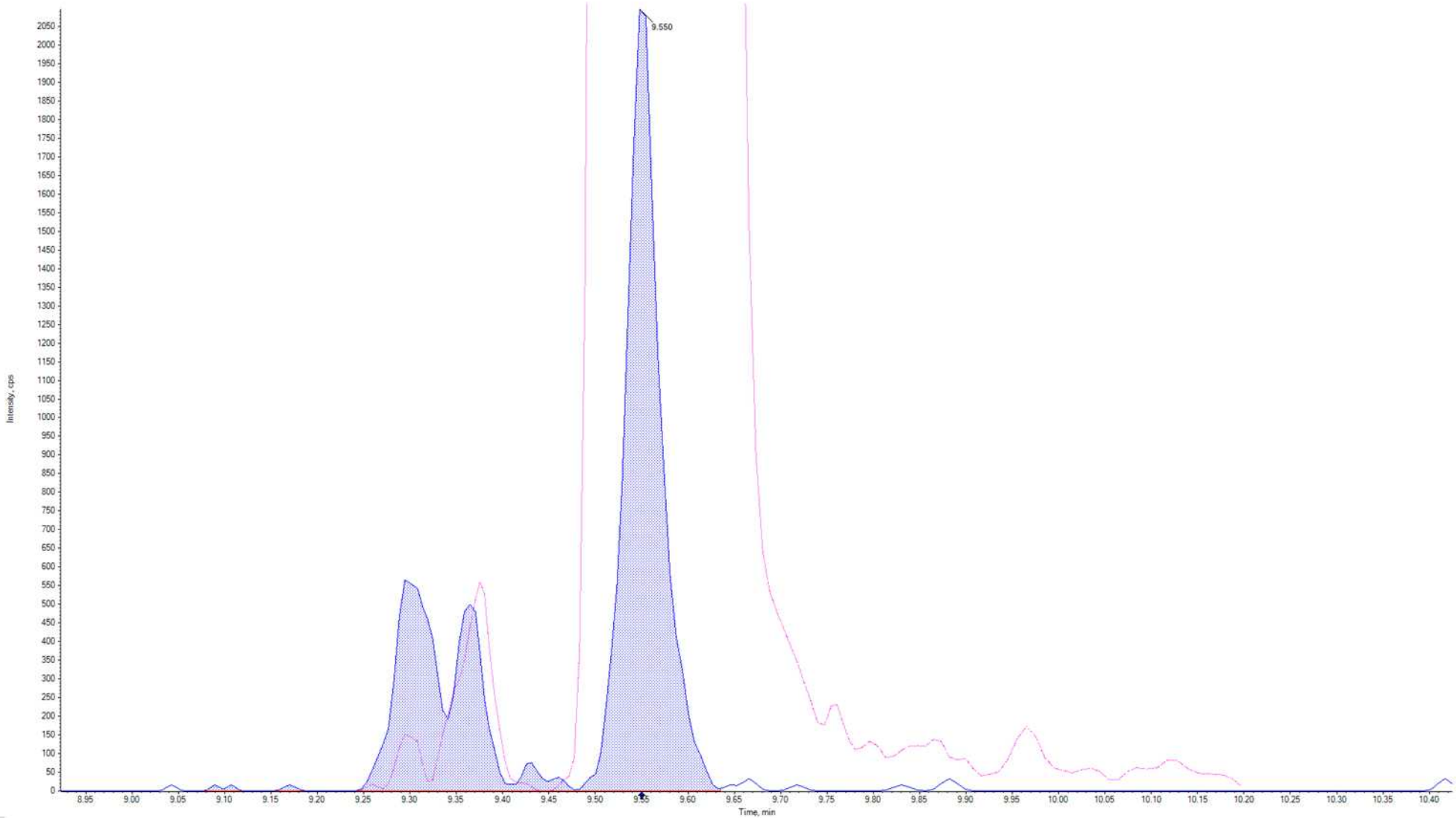
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-1.25 S/N:22824430.5 Points Across peak:115



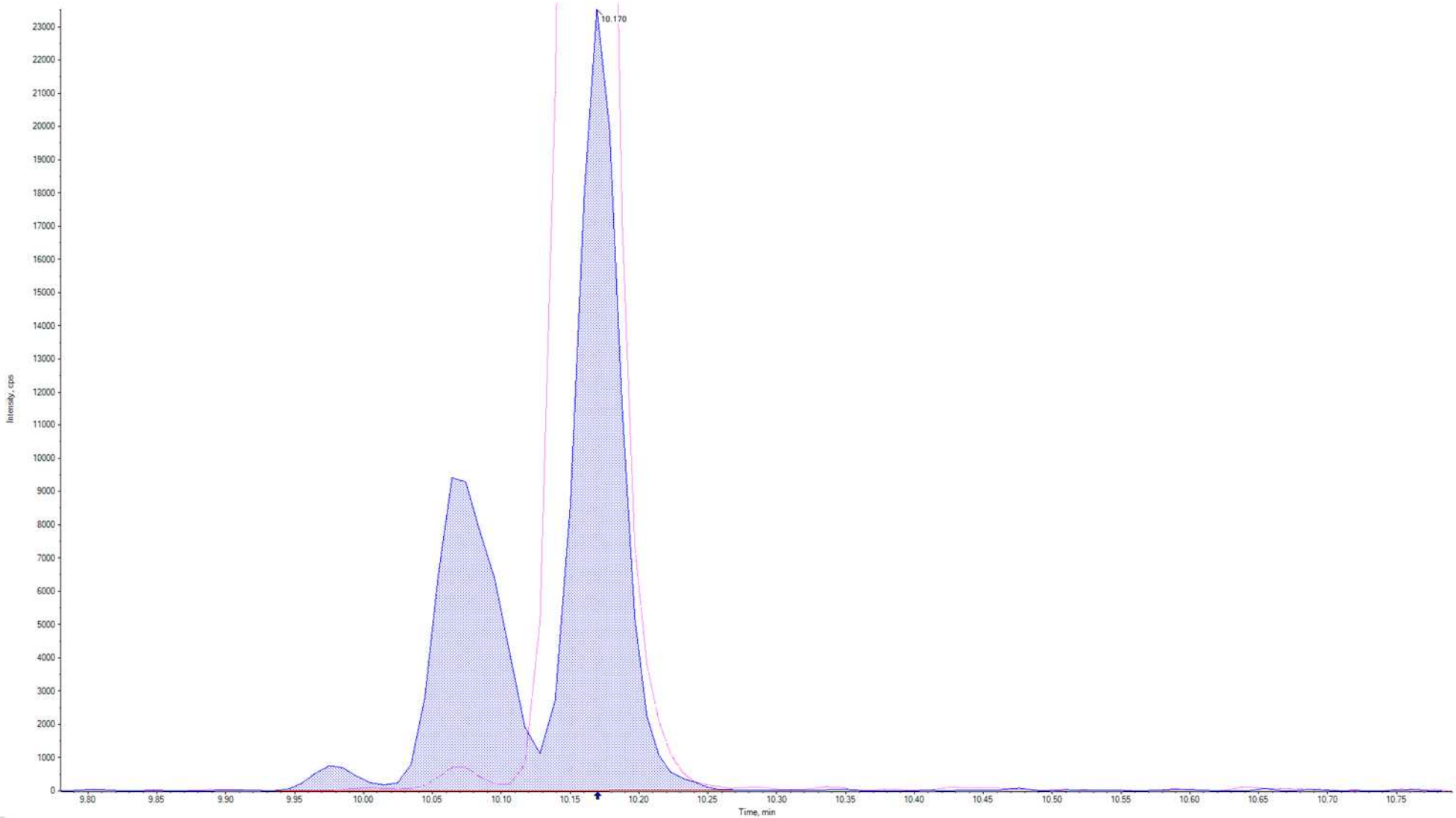
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-1.25 S/N:720.4 Points Across peak:100

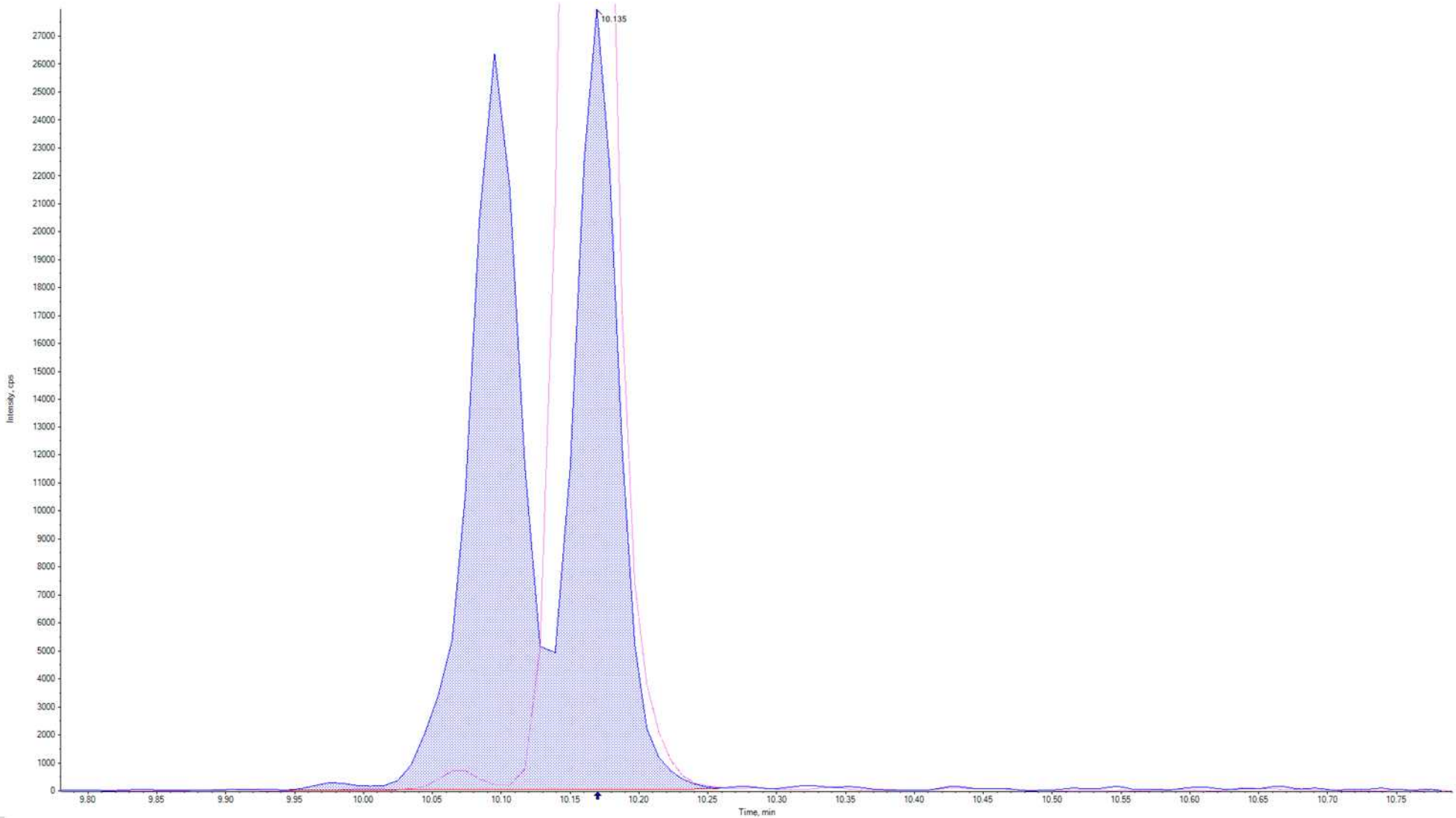


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-1.25 S/N:22807.3 Points Across peak:37

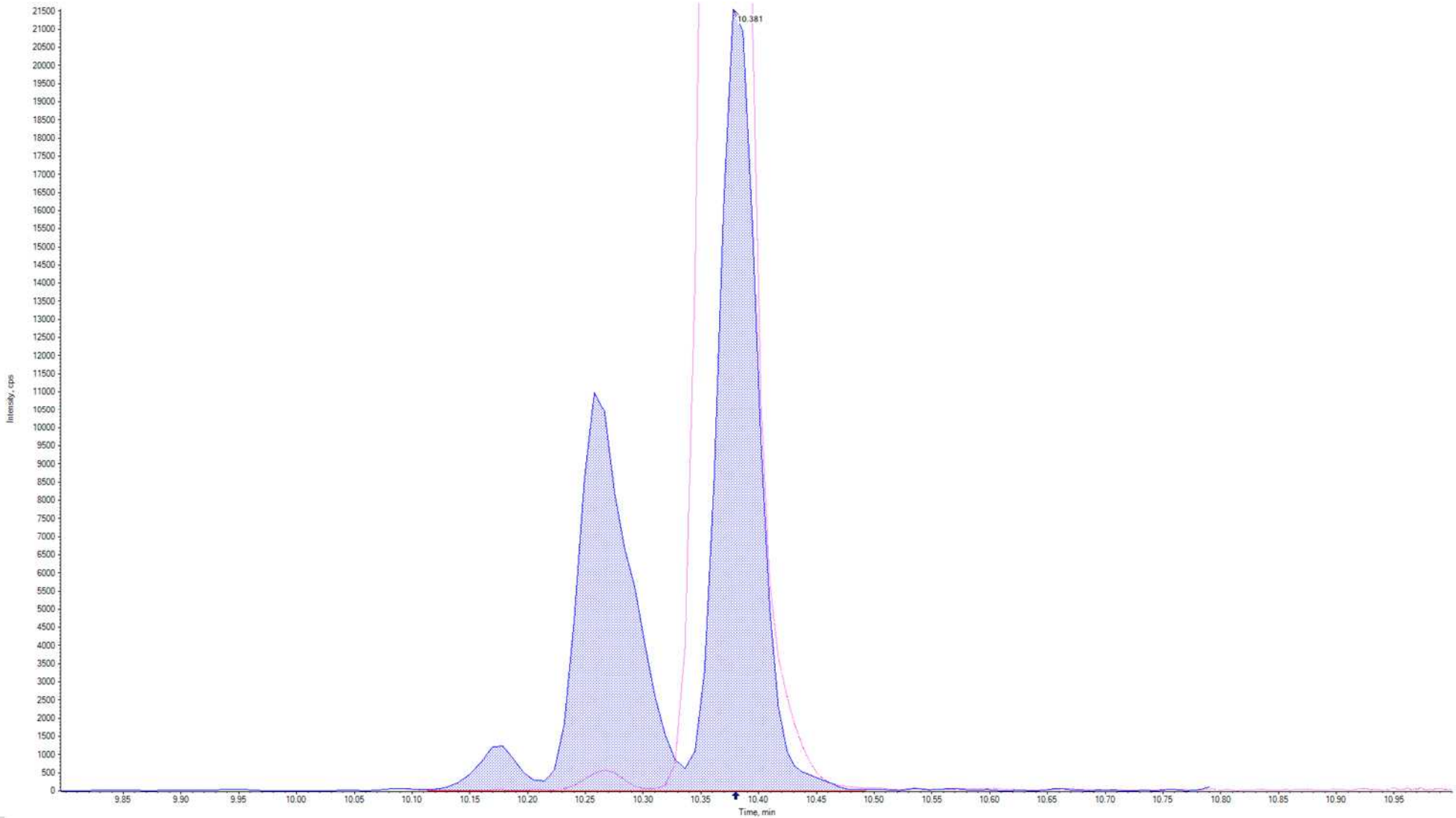


NMeFOSA_2
Sample: IA1633STD-1.25 S/N:1316.5 Points Across peak:34



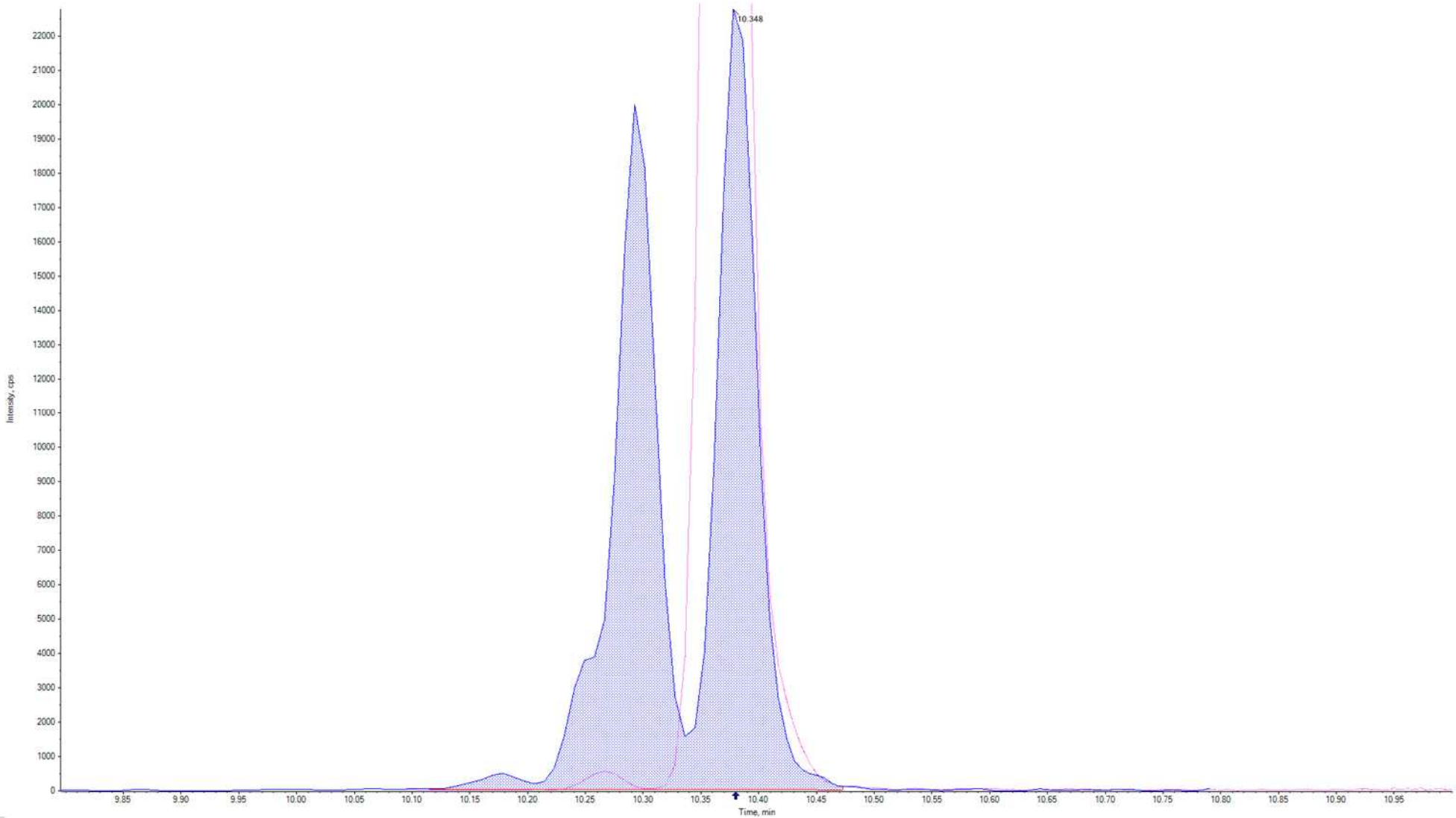
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-1.25 S/N:39369.2 Points Across peak:48



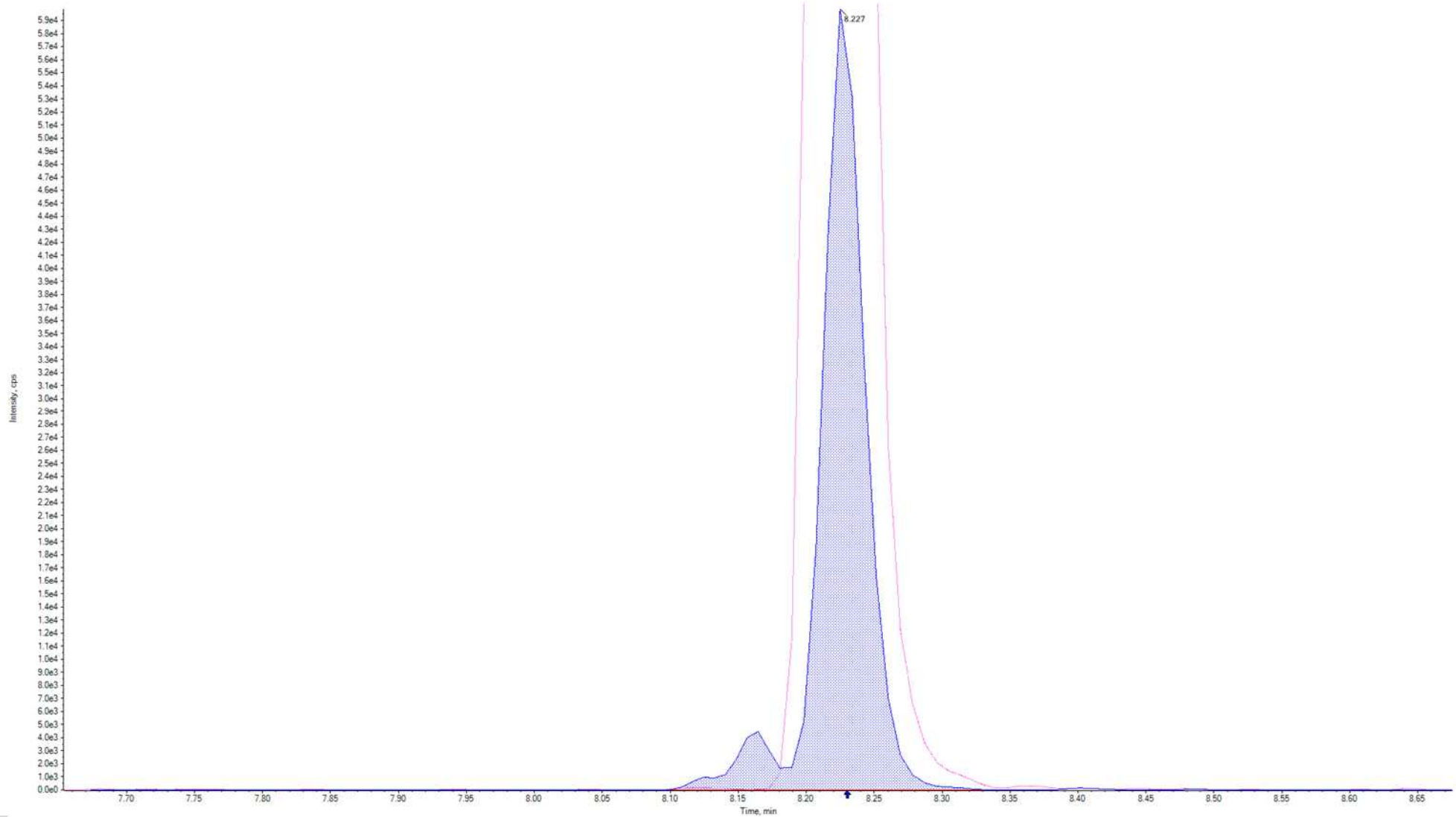
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-1.25 S/N:42195.0 Points Across peak:45



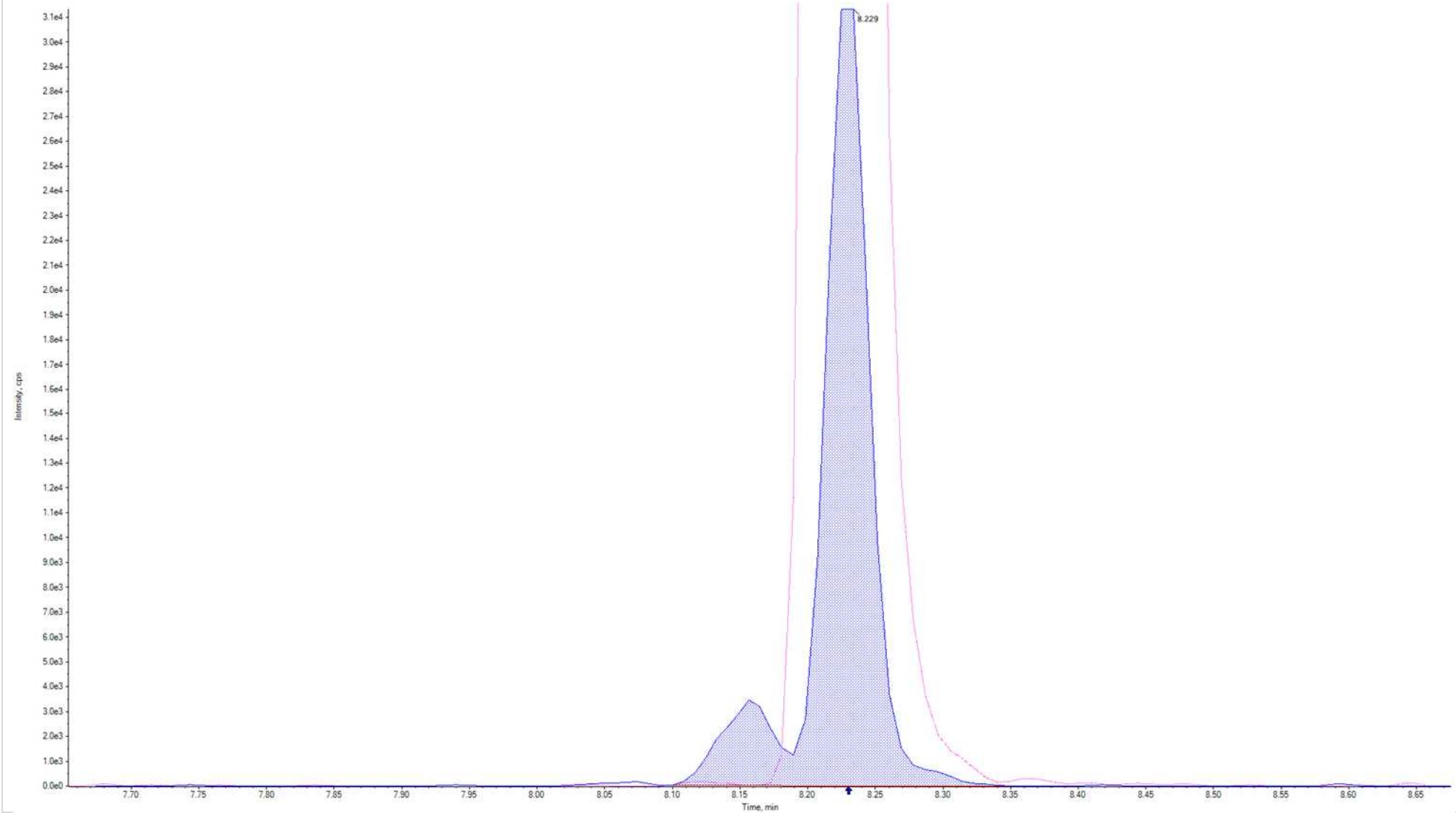
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-1.25 S/N:1949.2 Points Across peak:35



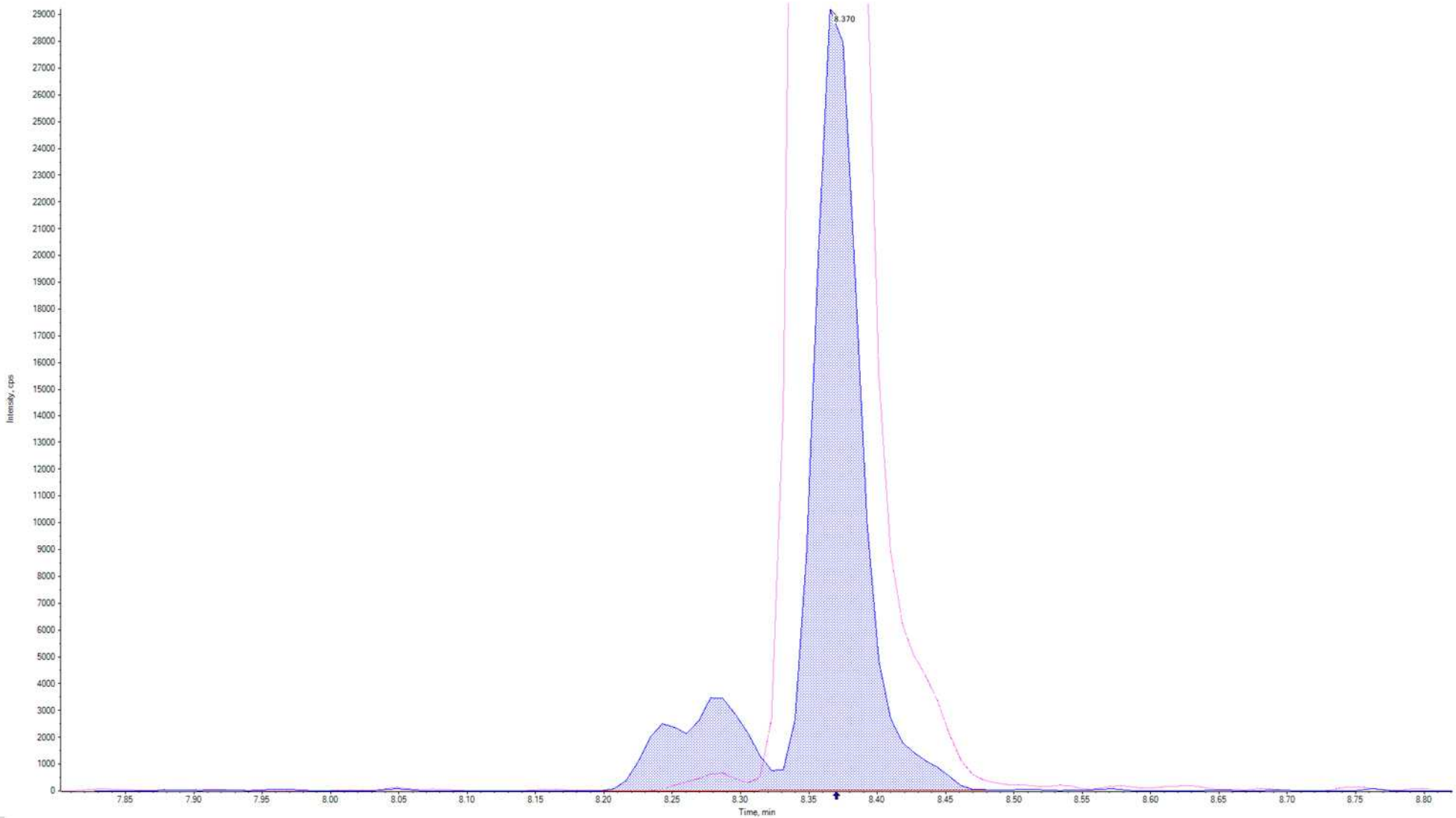
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-1.25 S/N:589.0 Points Across peak:32



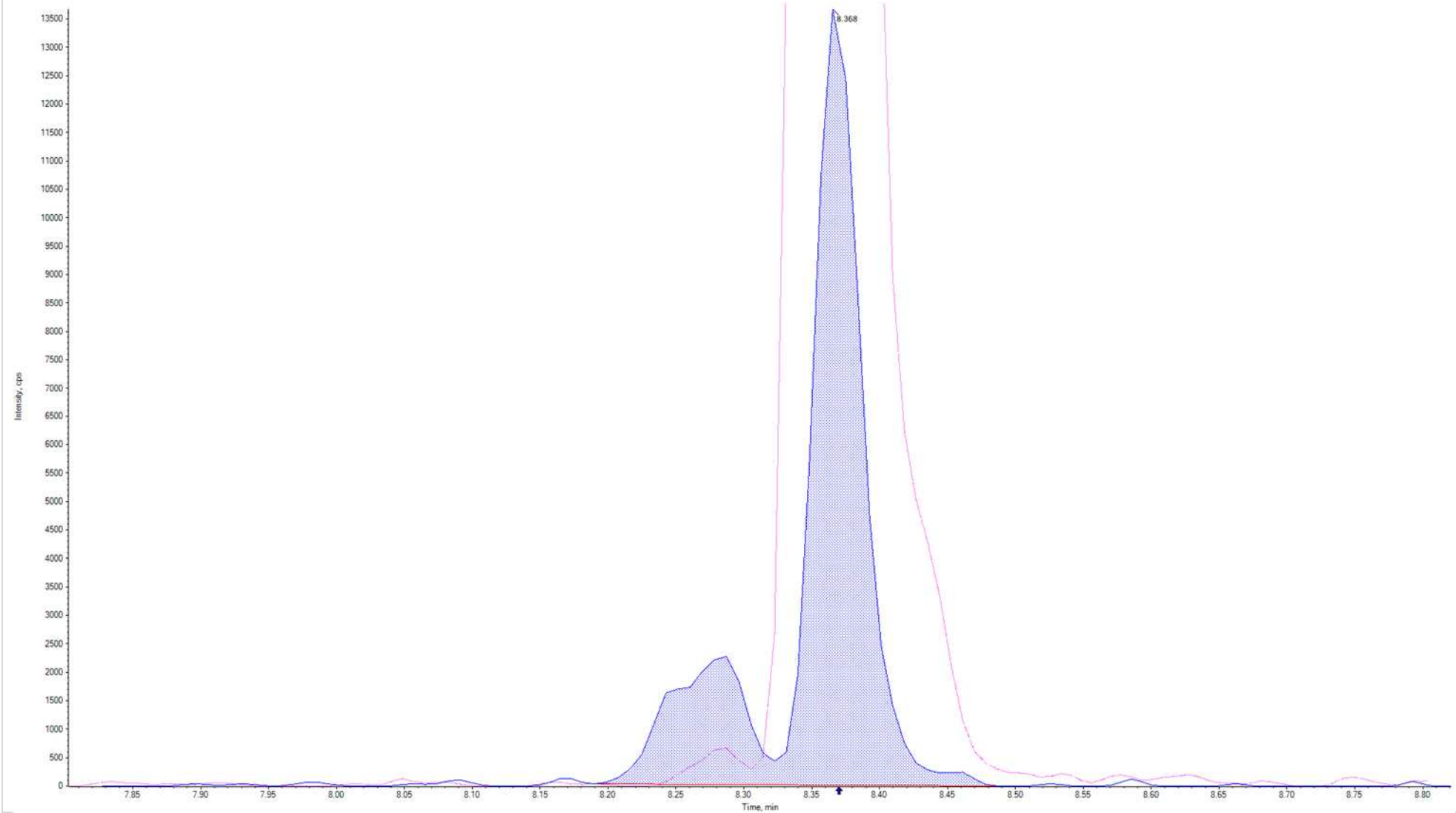
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-1.25 S/N:621.6 Points Across peak:35



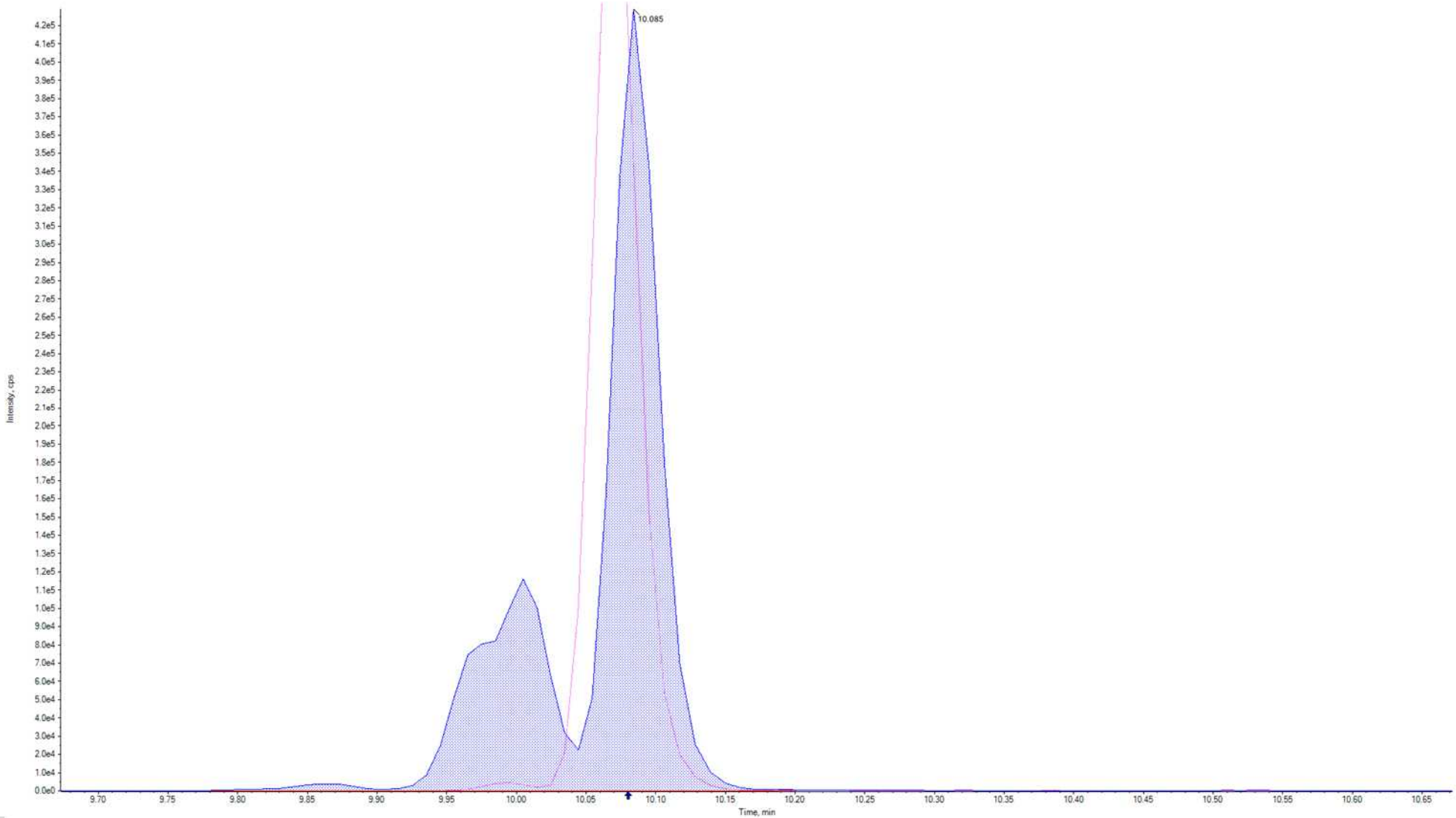
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-1.25 S/N:306.3 Points Across peak:36



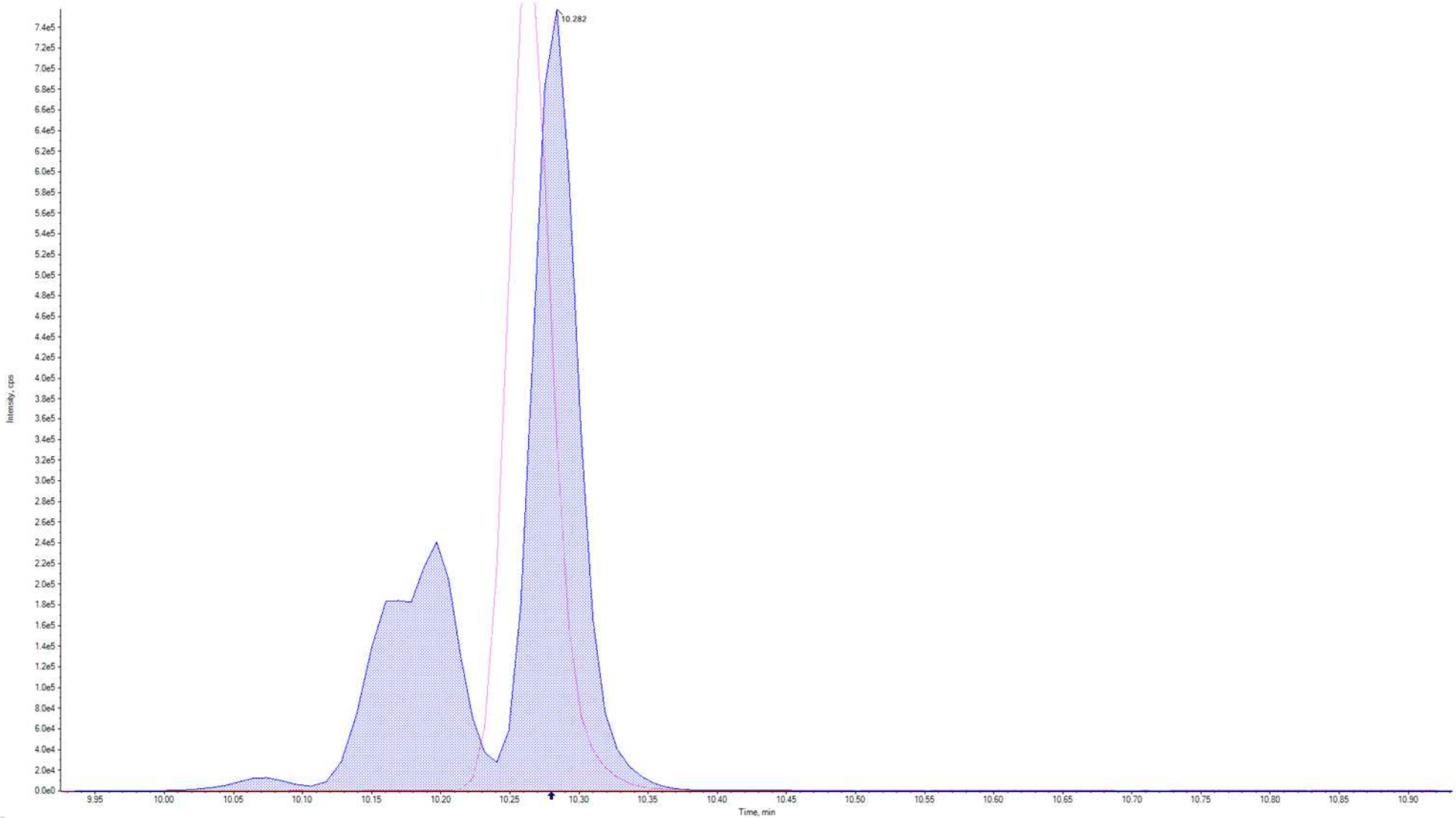
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-1.25 S/N:3171.6 Points Across peak:54



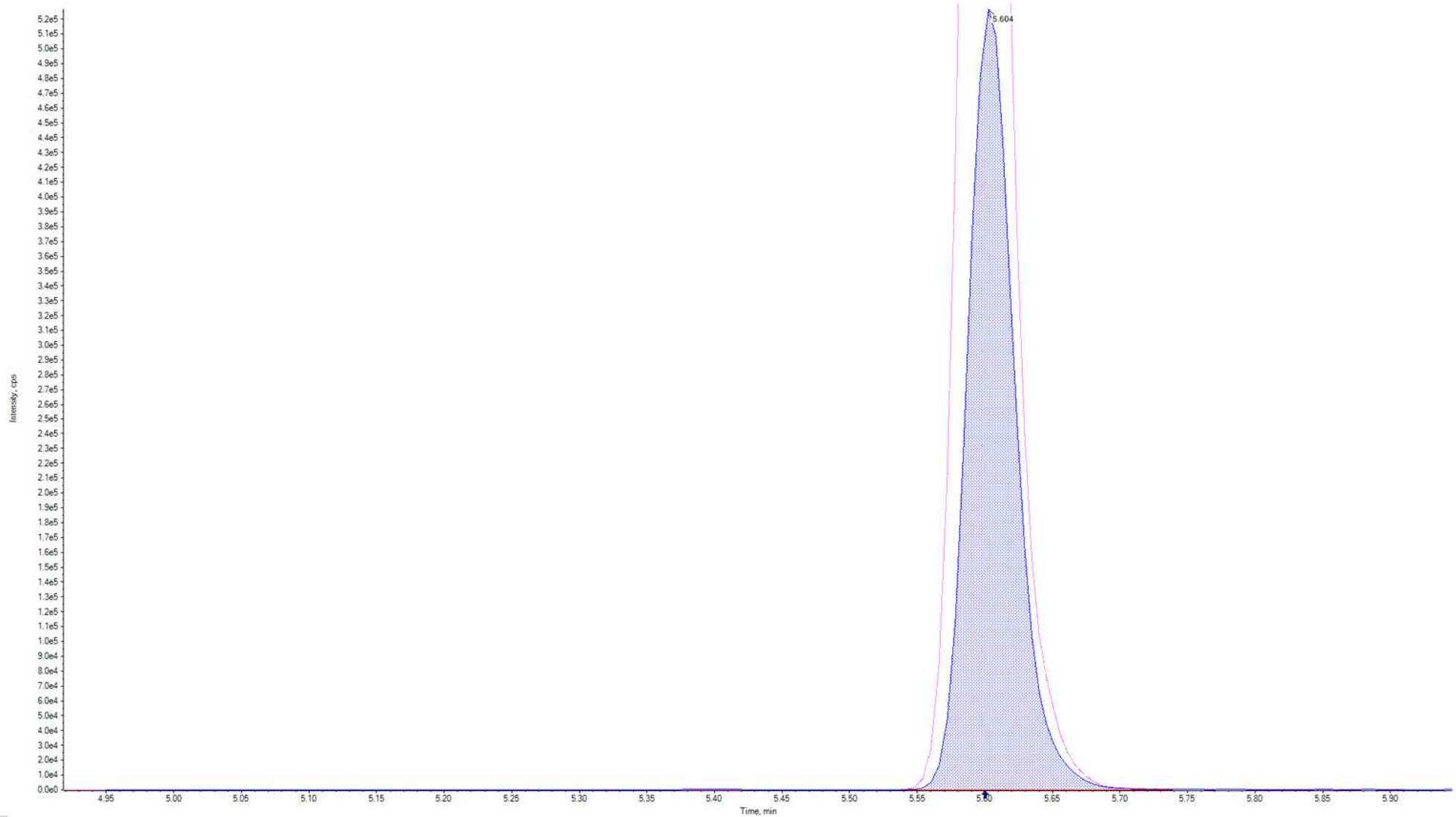
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-1.25 S/N:2770.6 Points Across peak:56



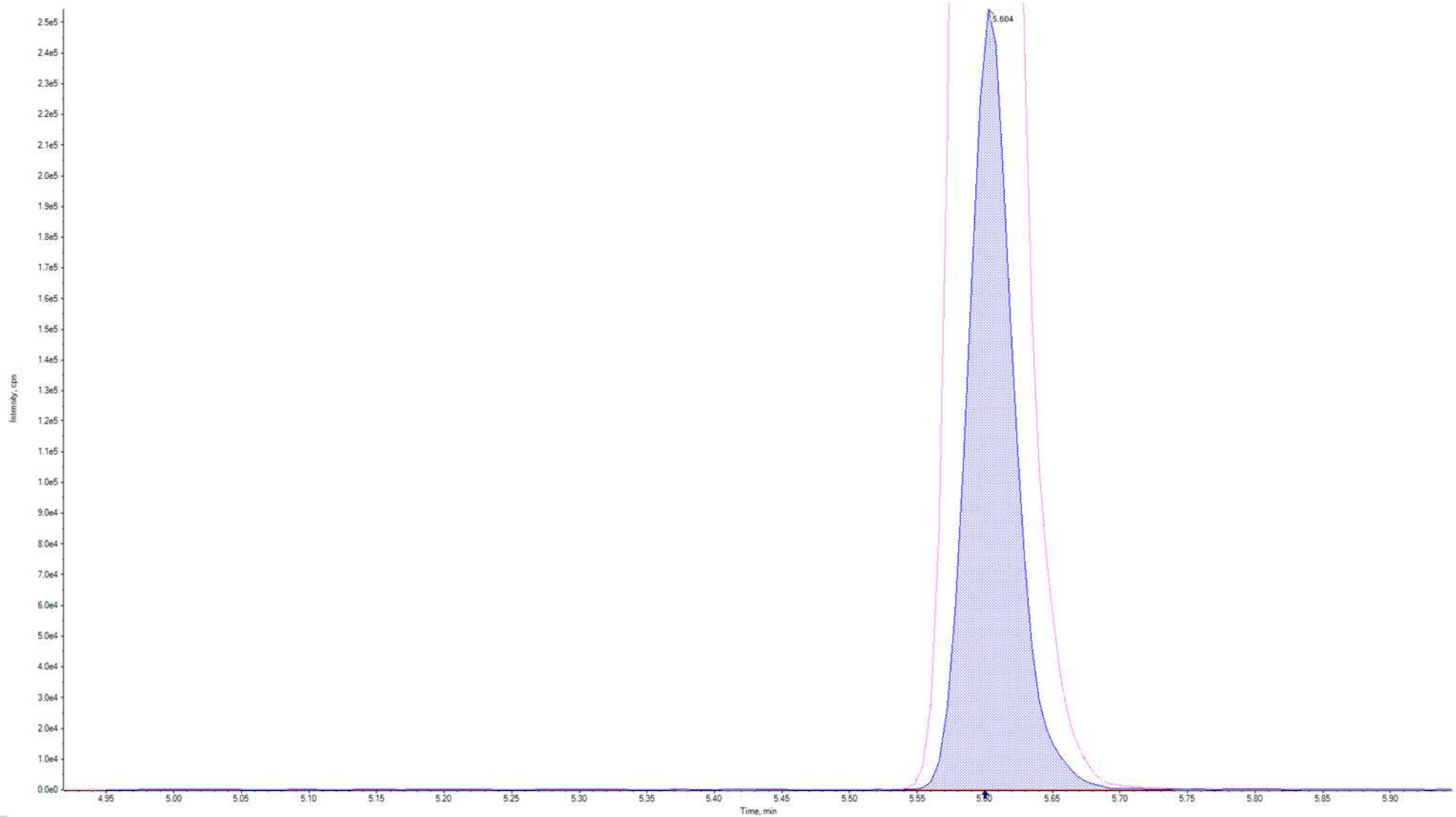
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-1.25 S/N:62161.3 Points Across peak:43



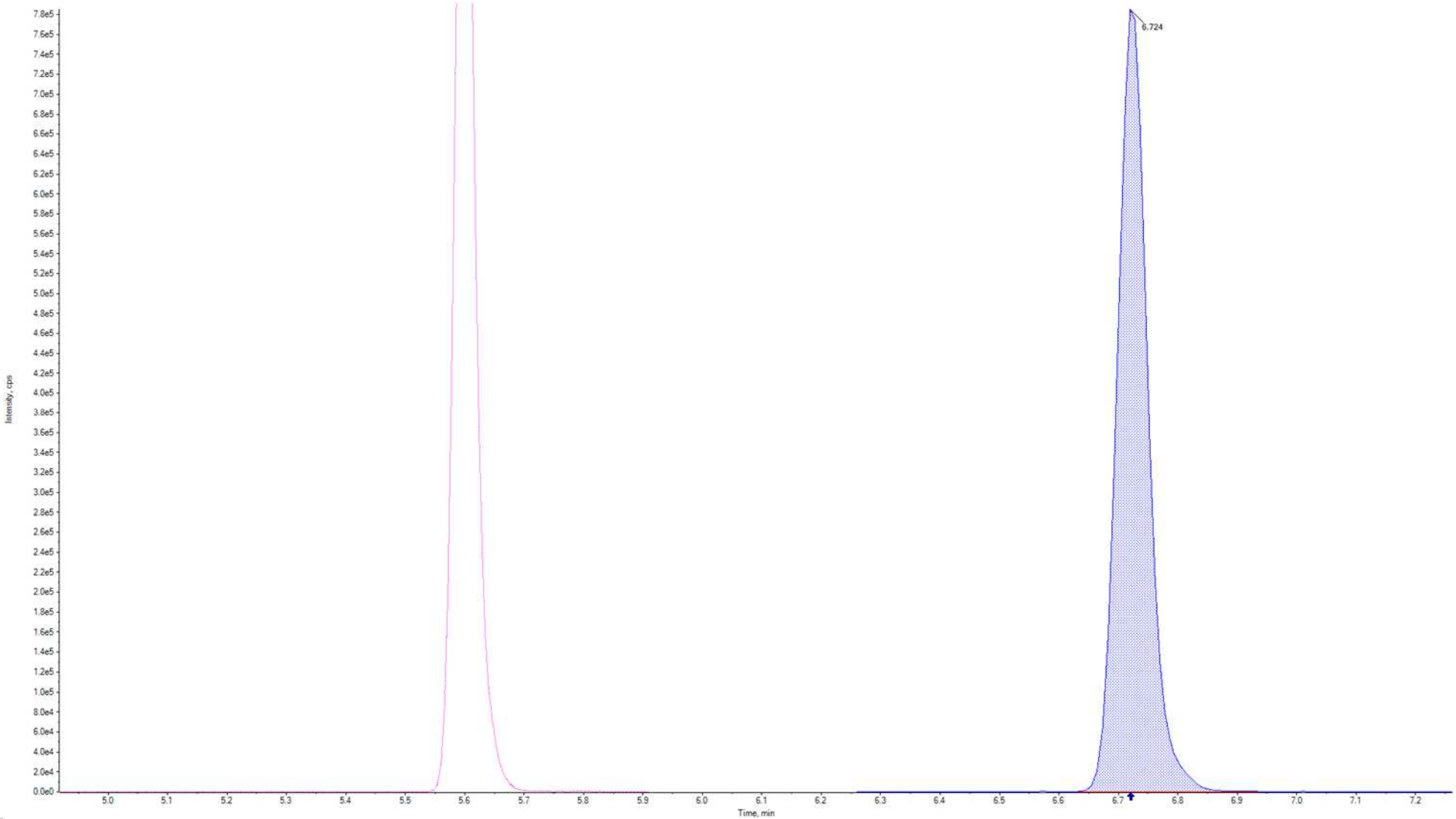
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-1.25 S/N:4616.5 Points Across peak:42



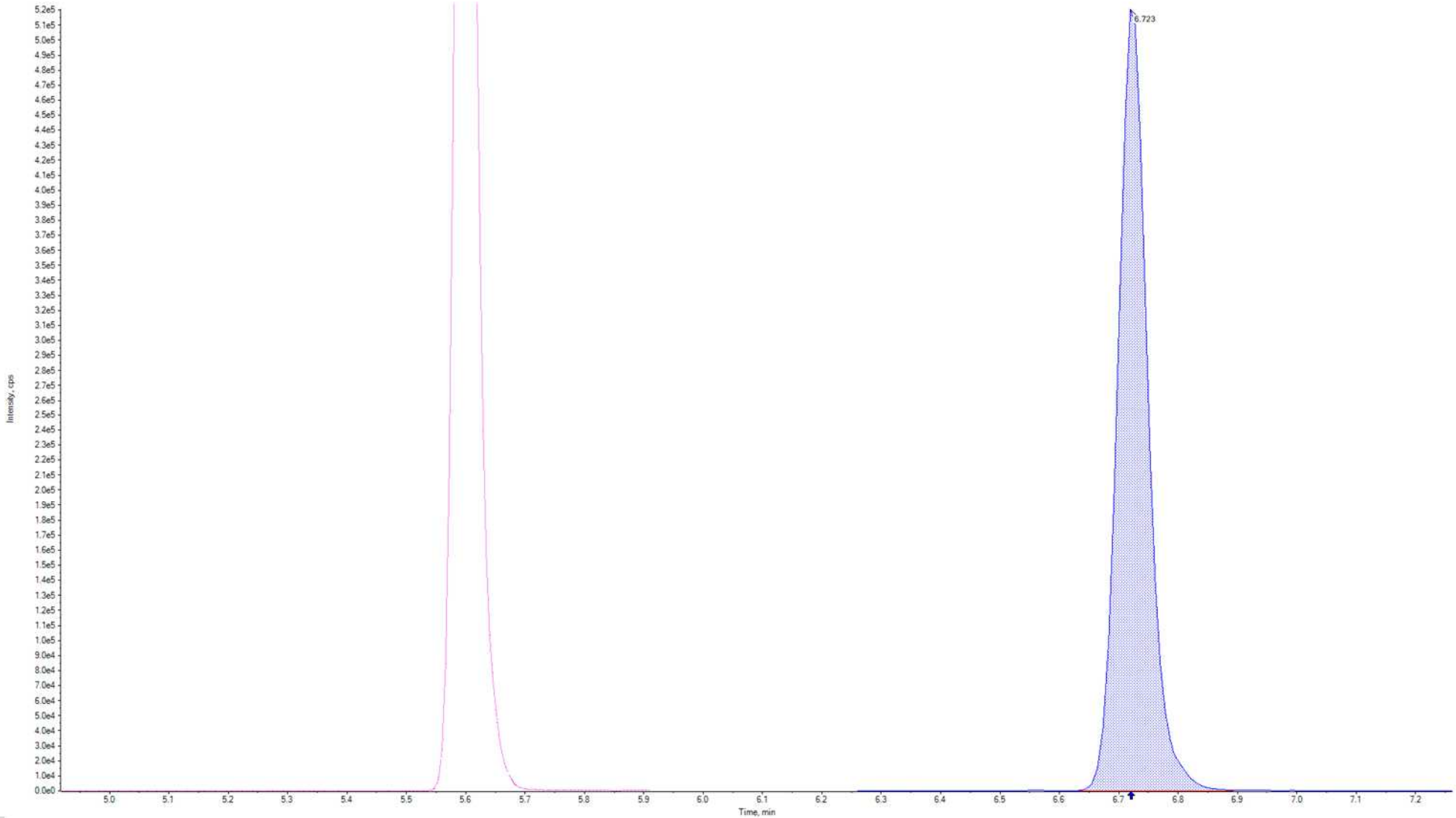
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-1.25 S/N:15752.7 Points Across peak:47



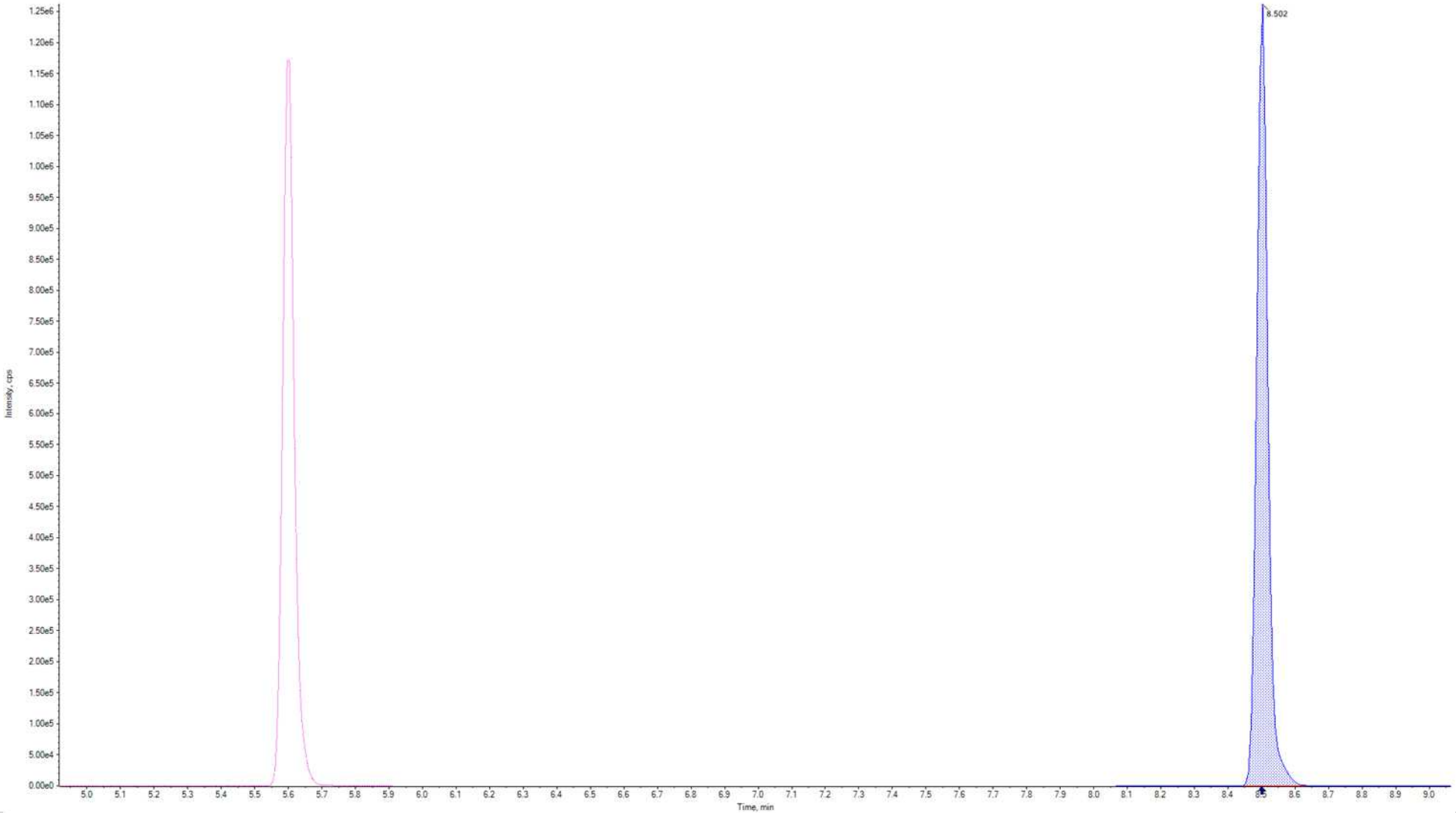
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-1.25 S/N:17264.5 Points Across peak:38



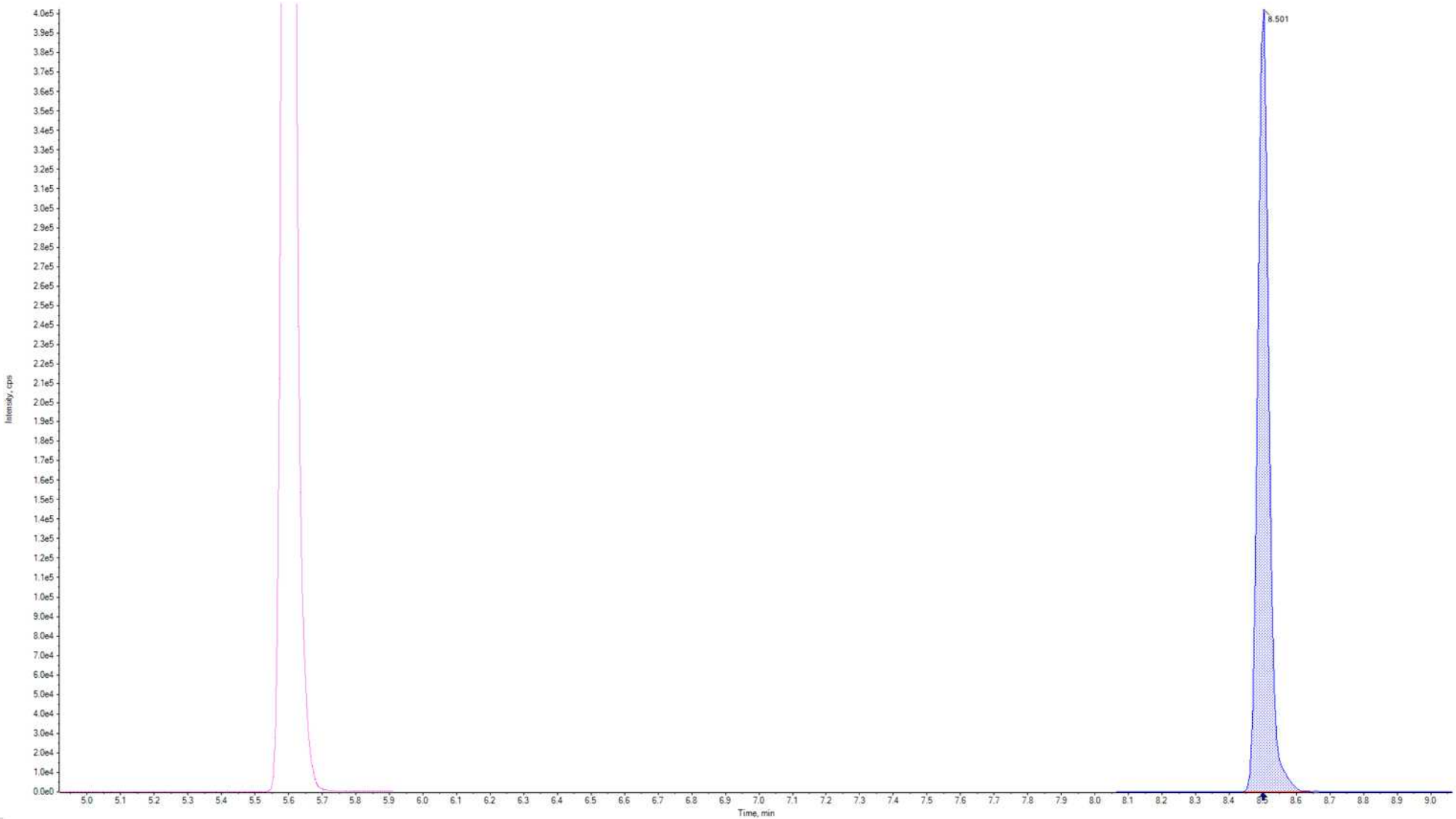
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-1.25 S/N:88585.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-1.25 S/N:38926.2 Points Across peak:29



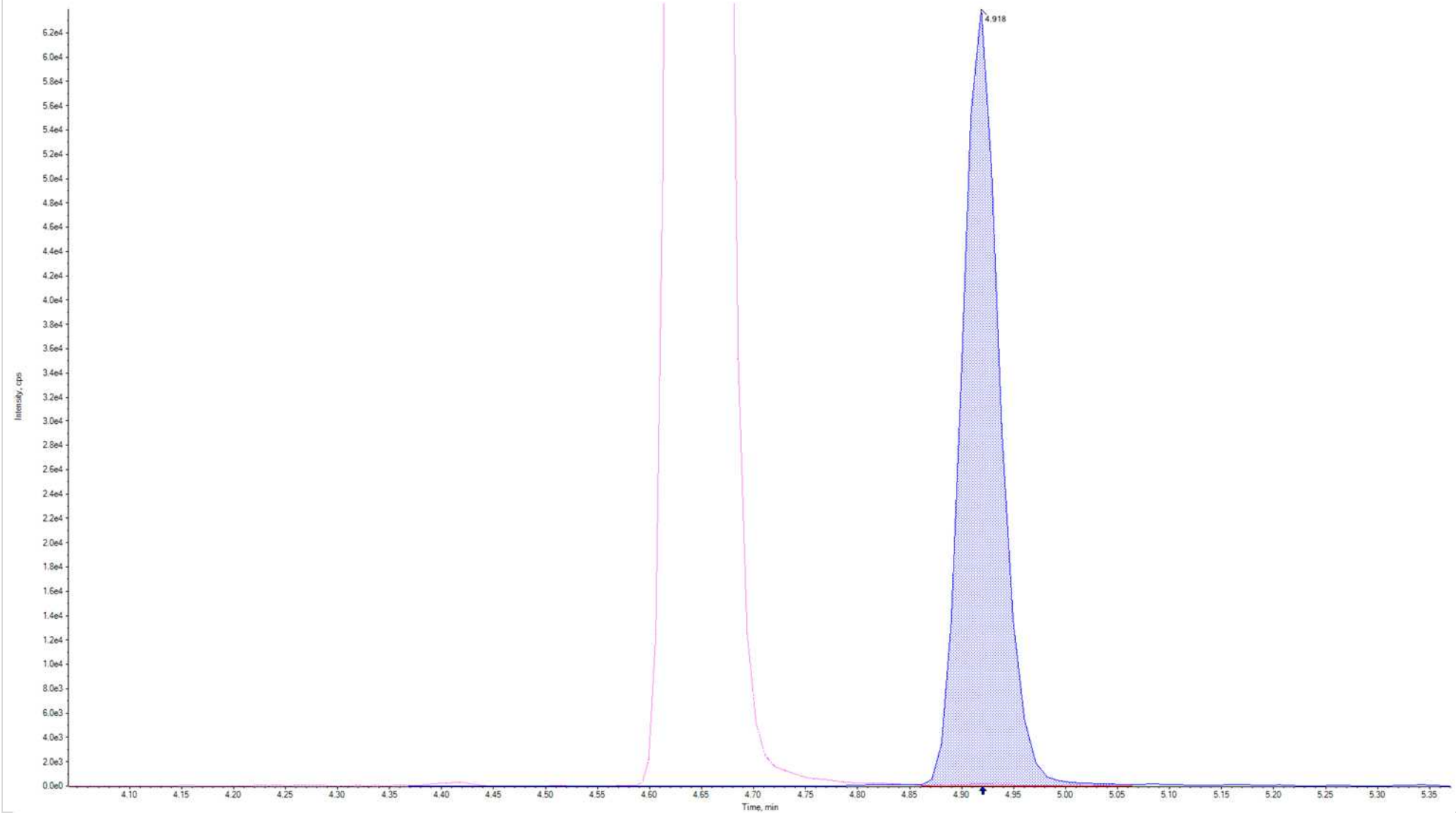
11Cl-PF3OUdS
Sample: IA1633STD-1.25 S/N:4467.9 Points Across peak:43

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-1.25 S/N:2872554.2 Points Across peak:36

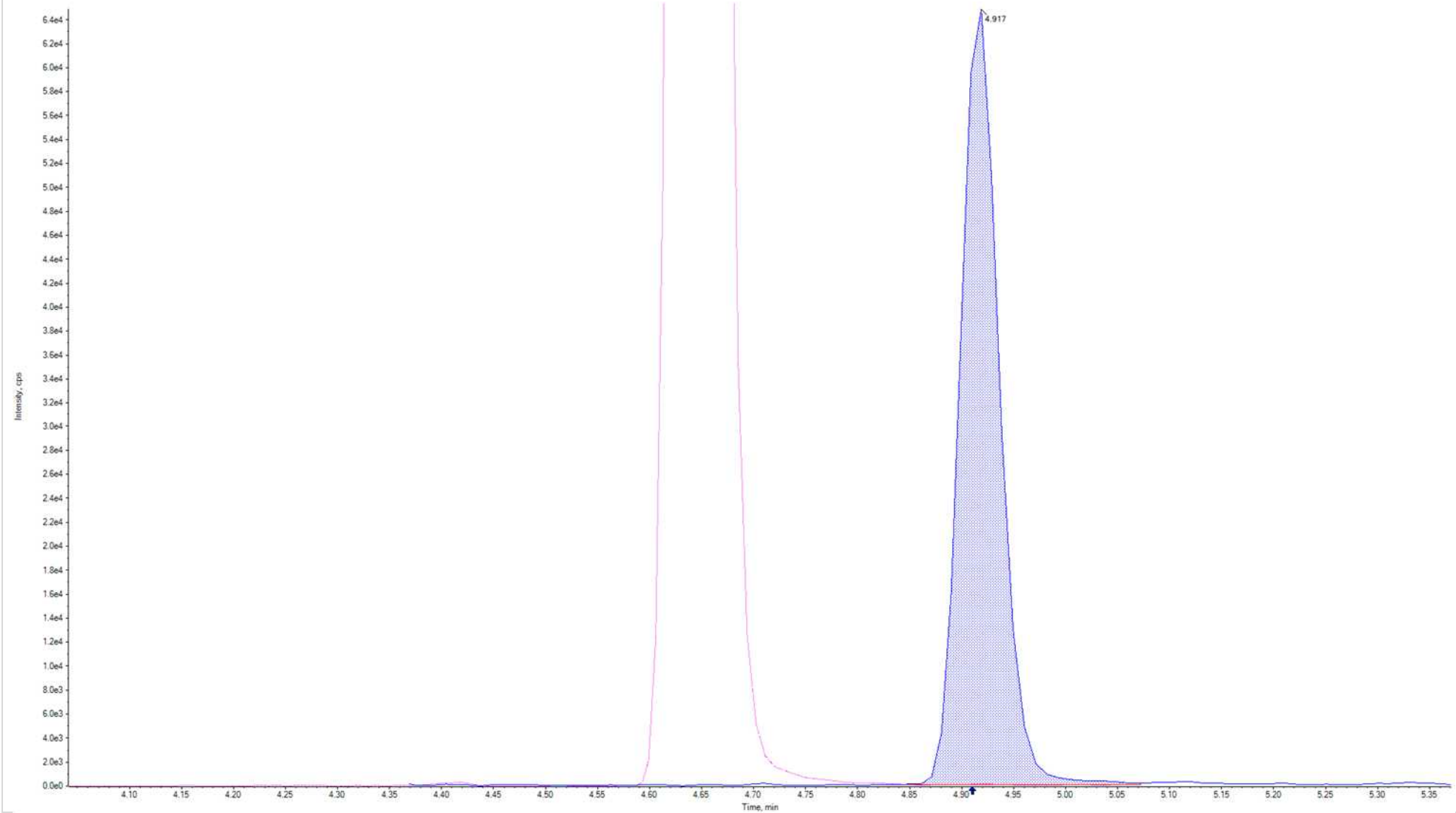
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-1.25 S/N:2725.2 Points Across peak:21



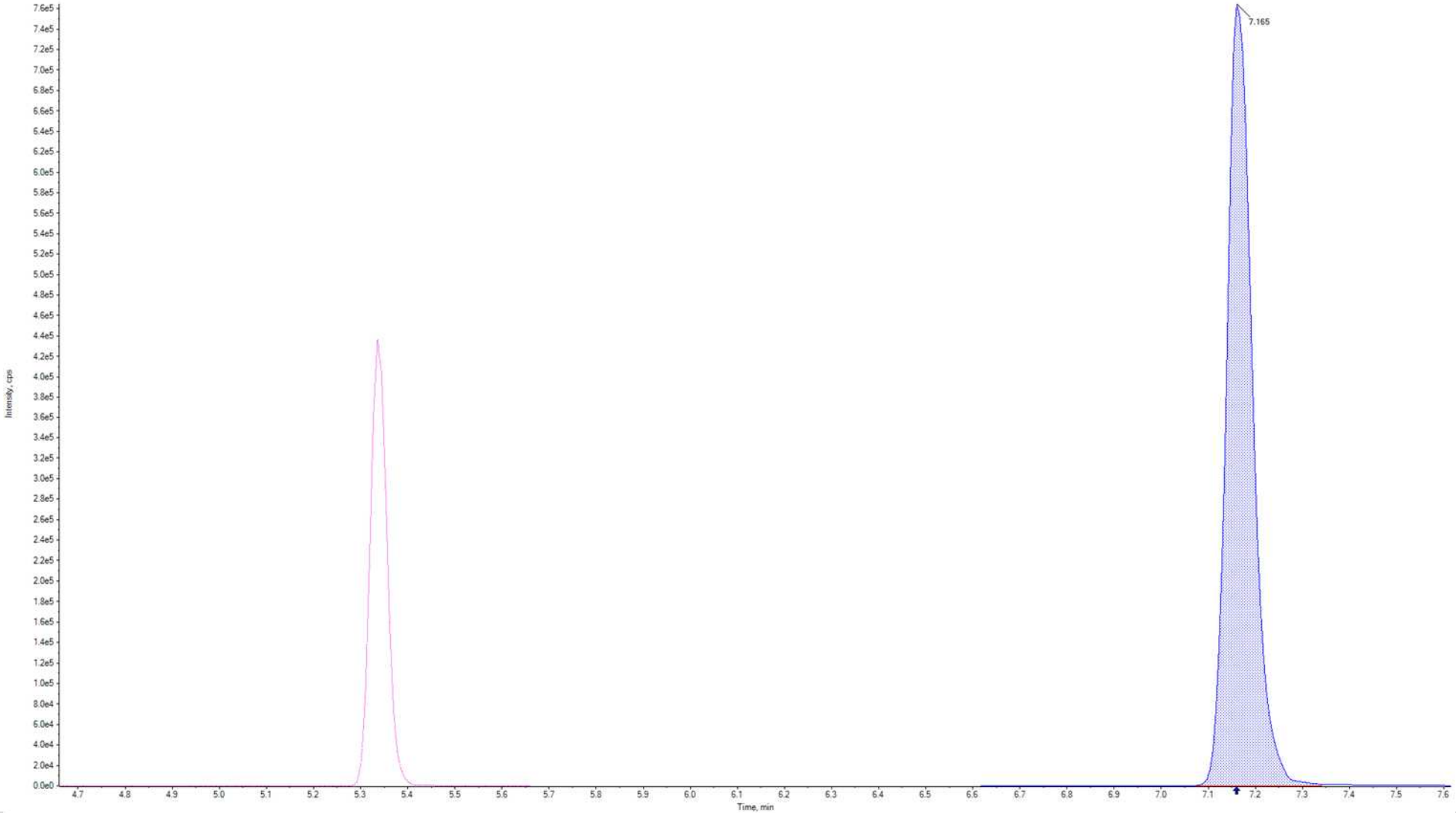
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-1.25 S/N:1779.6 Points Across peak:25



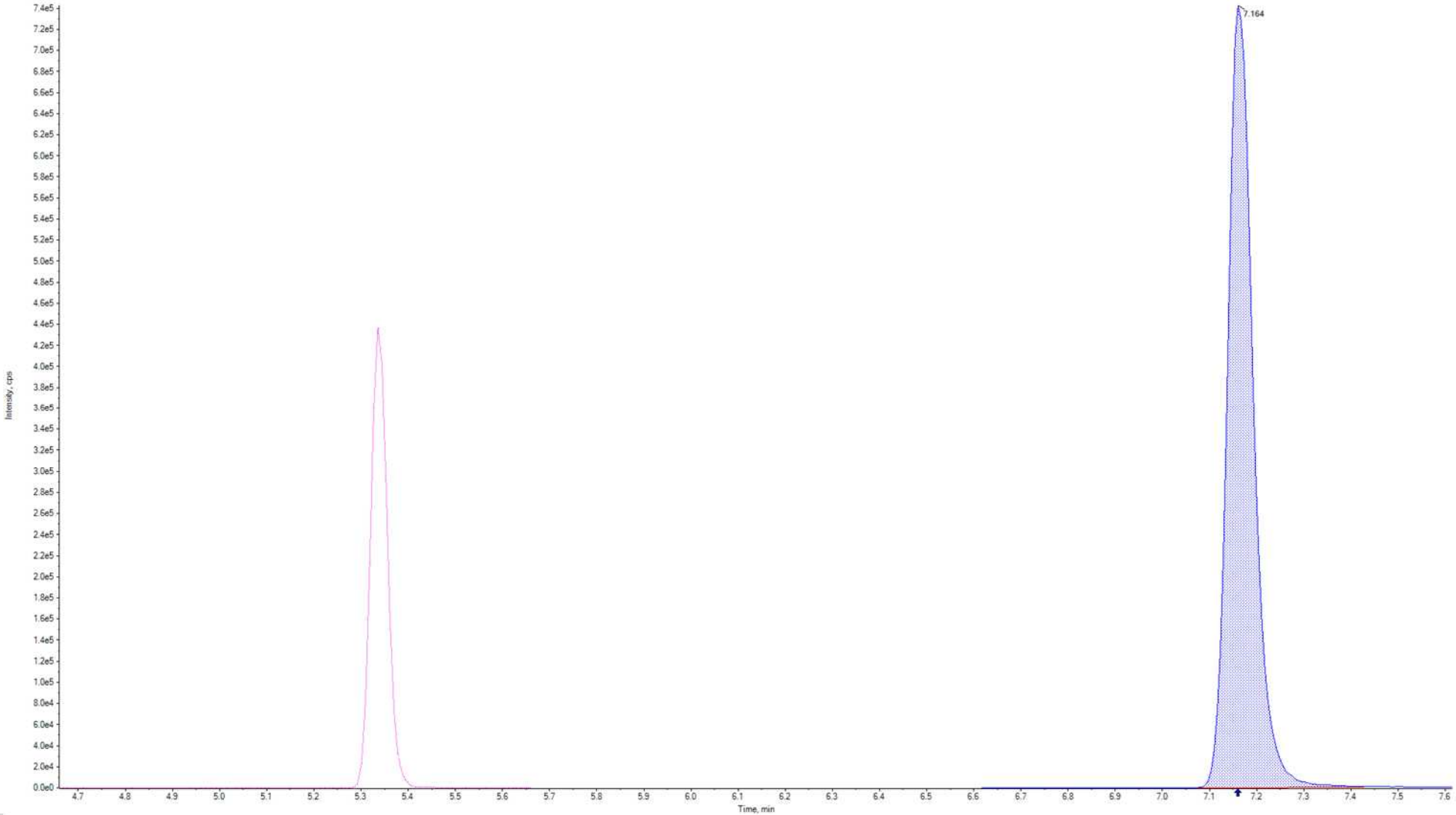
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-1.25 S/N:26901.5 Points Across peak:53



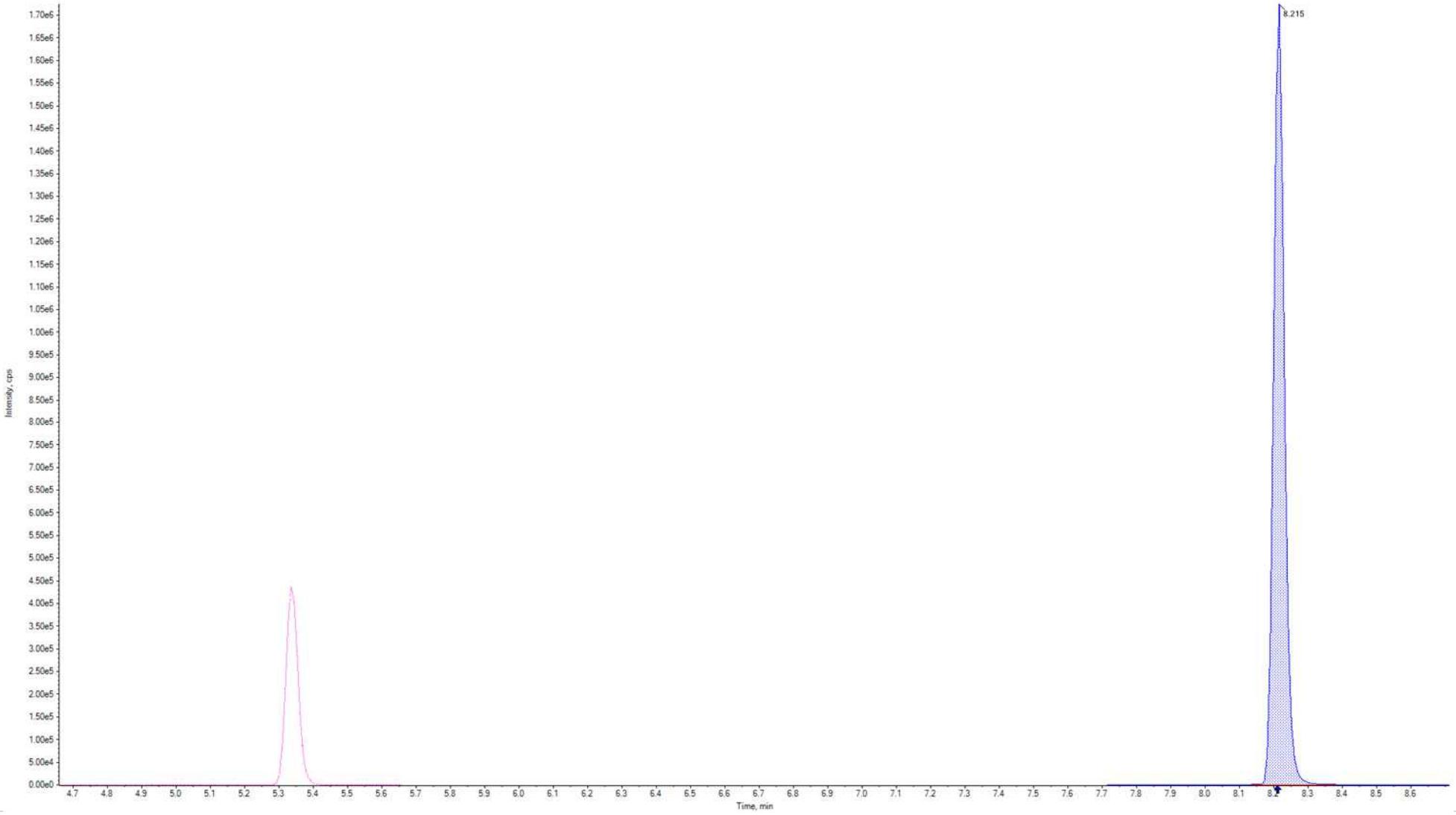
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-1.25 S/N:9692.8 Points Across peak:63



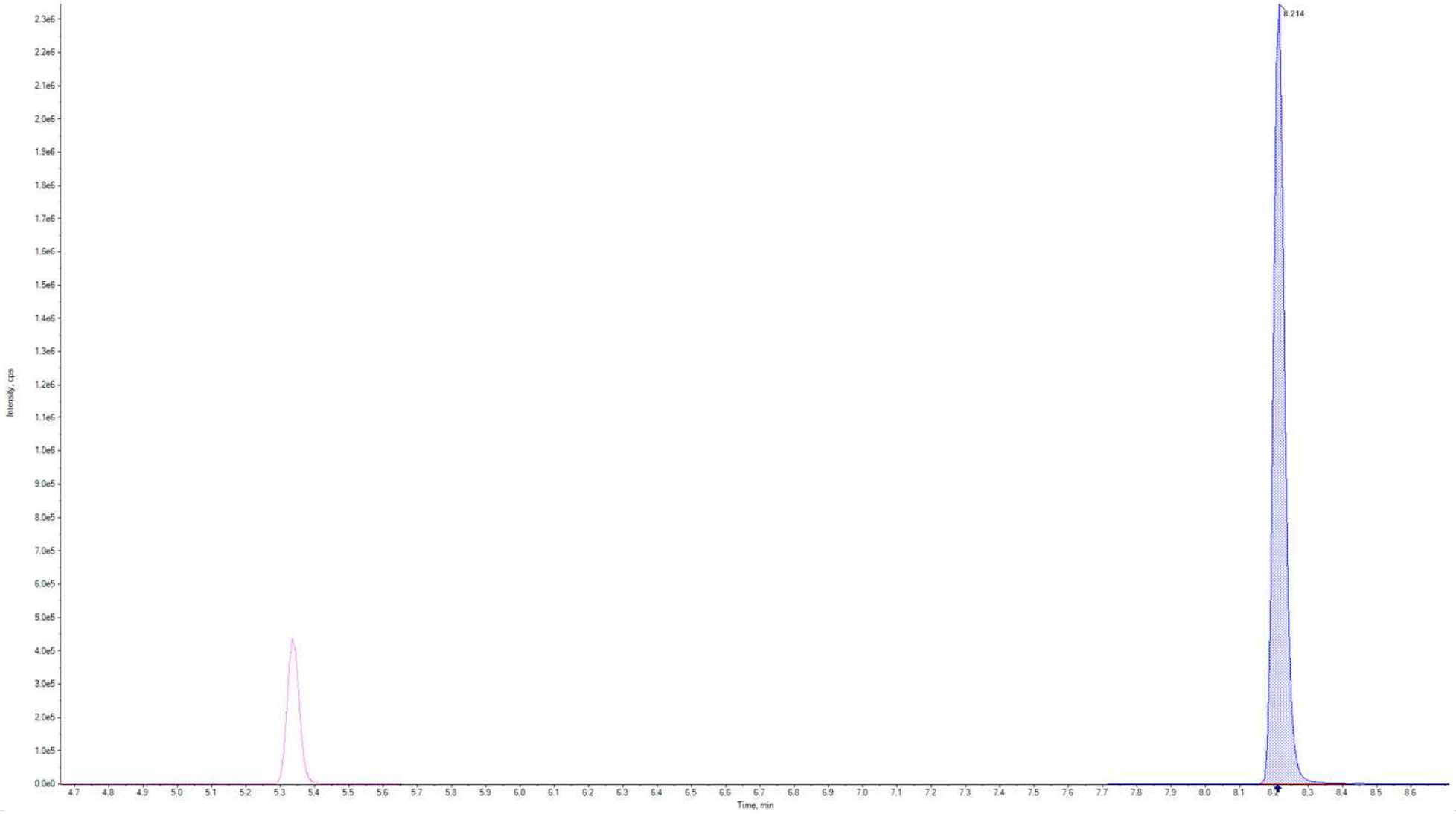
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-1.25 S/N:3322.5 Points Across peak:44



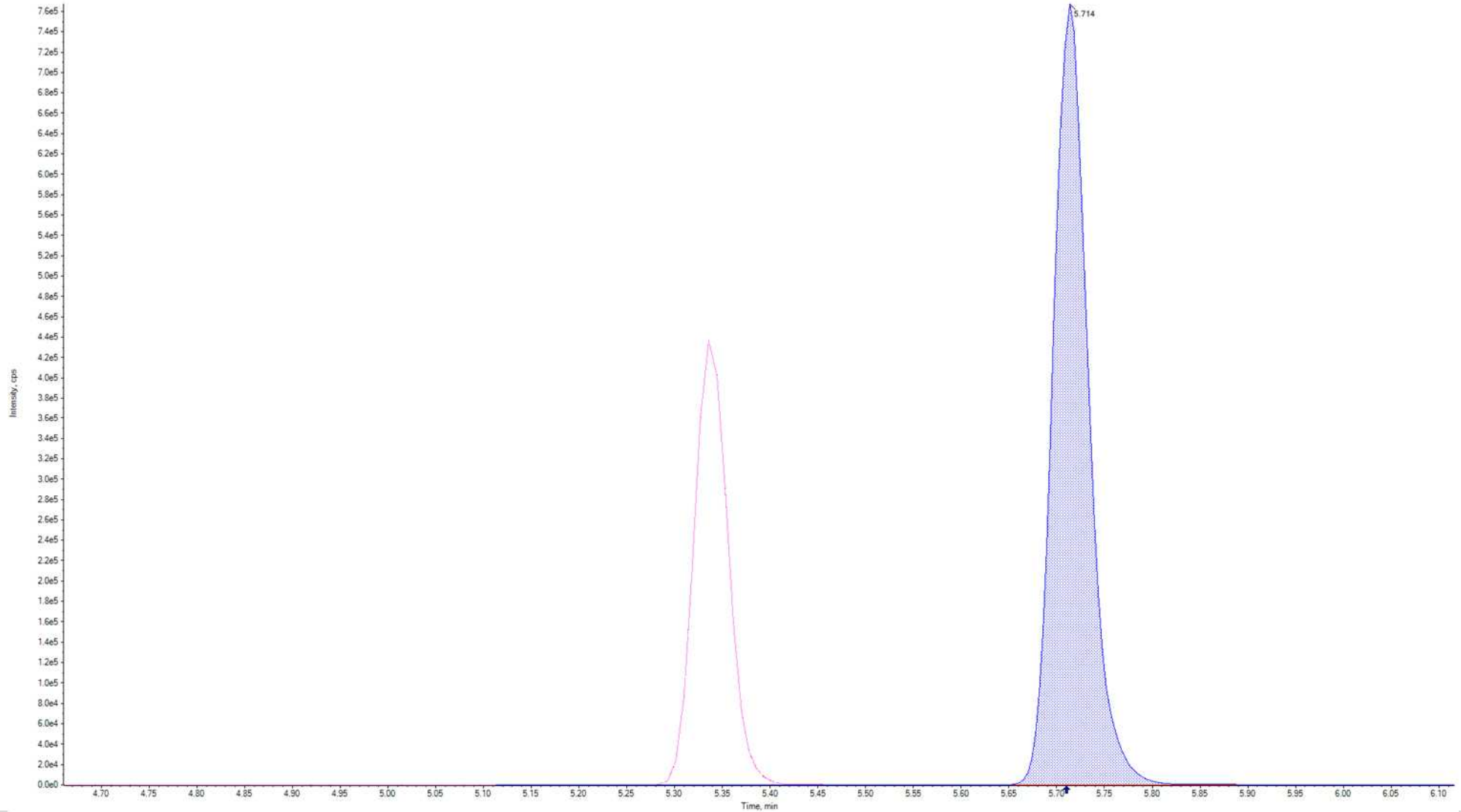
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-1.25 S/N:21145.4 Points Across peak:31



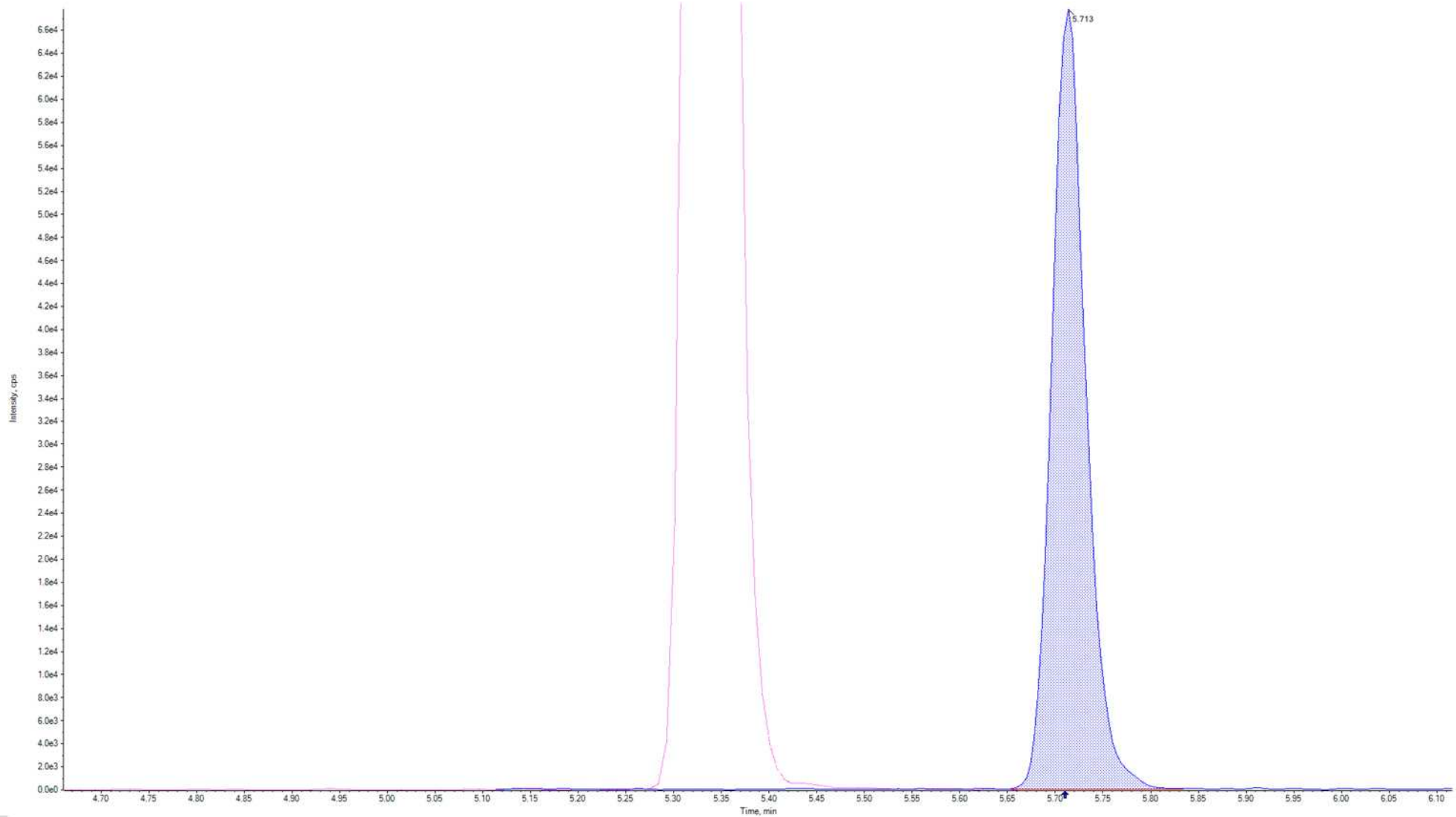
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-1.25 S/N:12486.2 Points Across peak:52



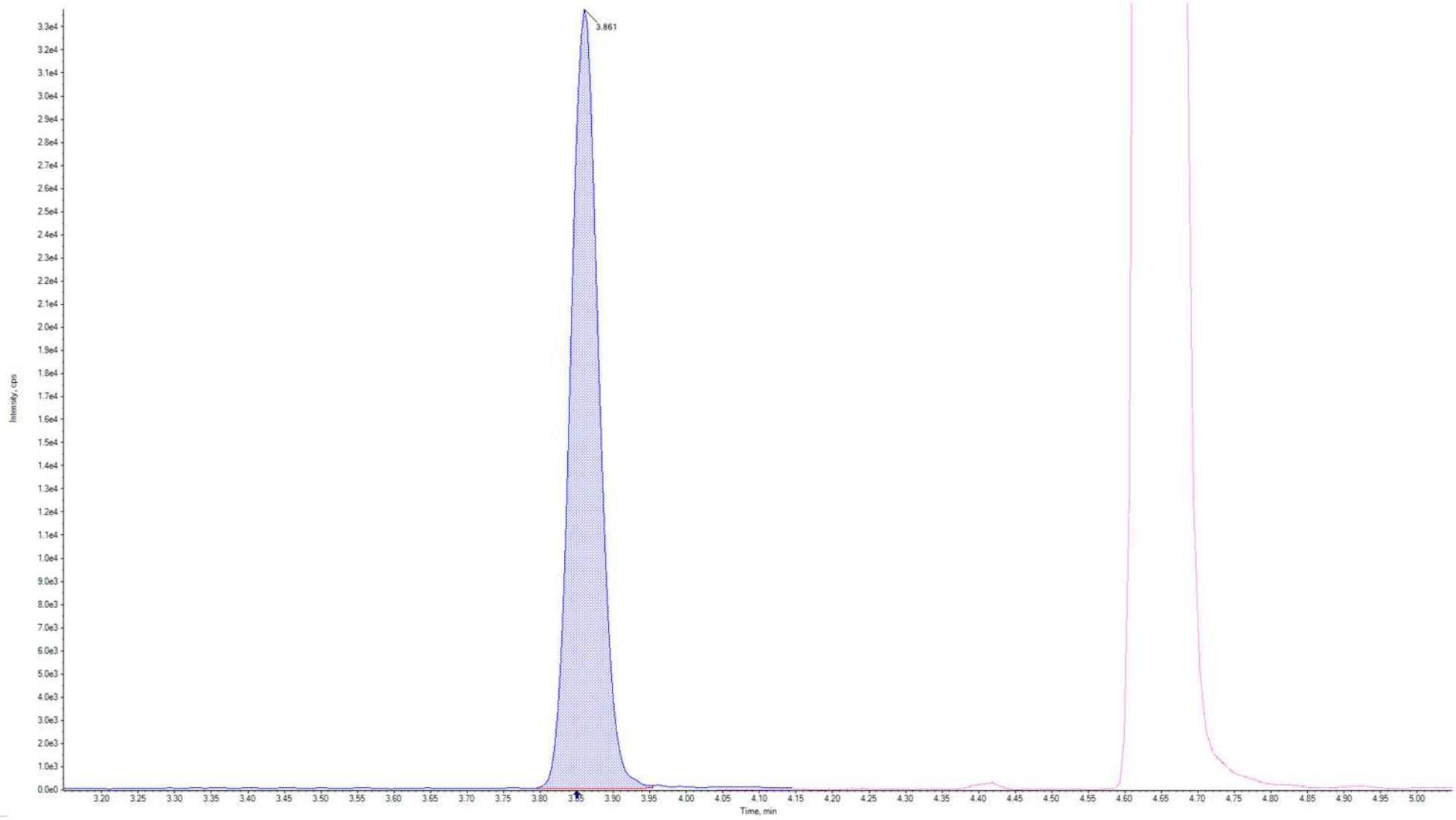
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-1.25 S/N:2932.5 Points Across peak:41



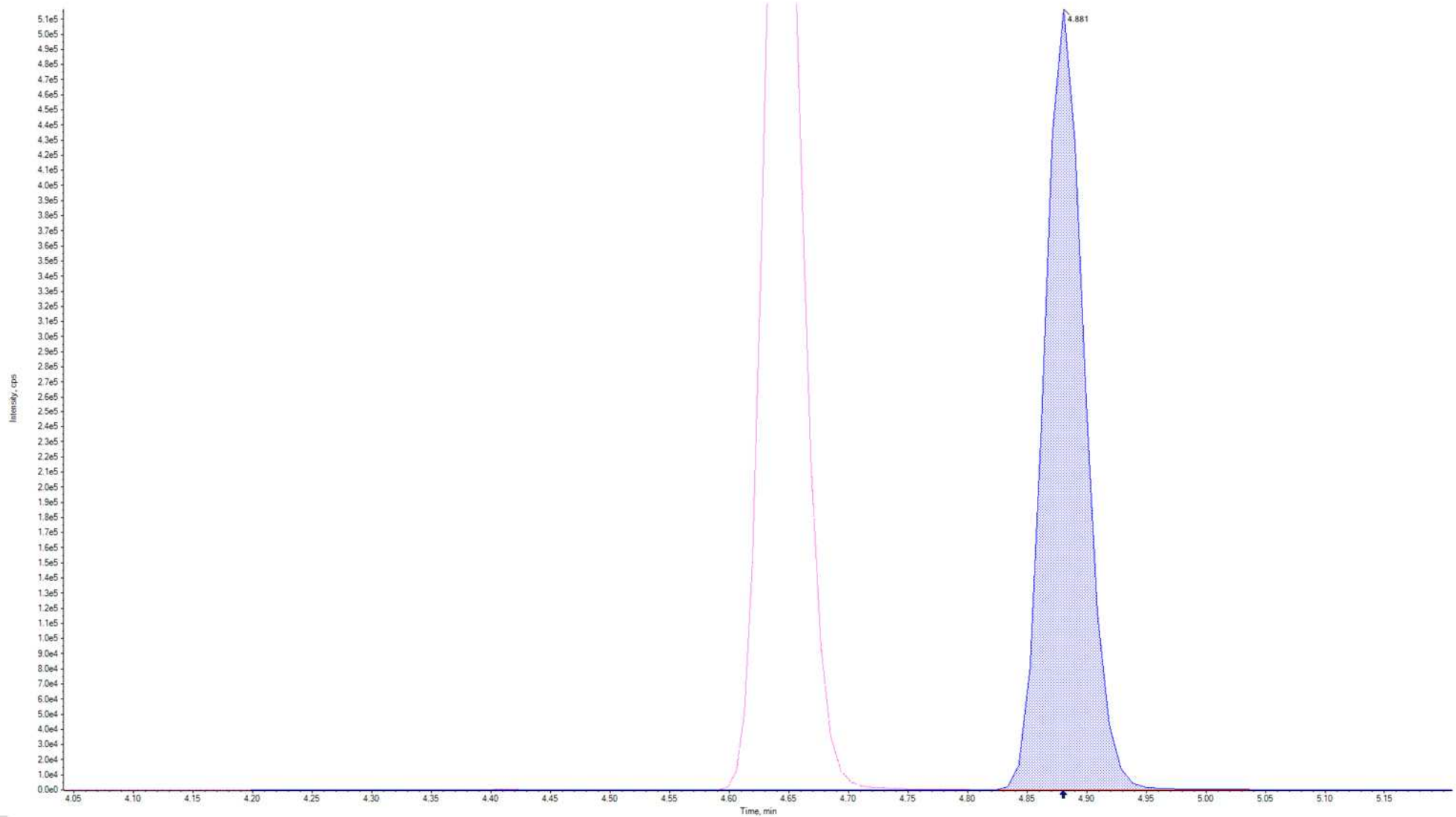
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-1.25 S/N:2435.4 Points Across peak:43



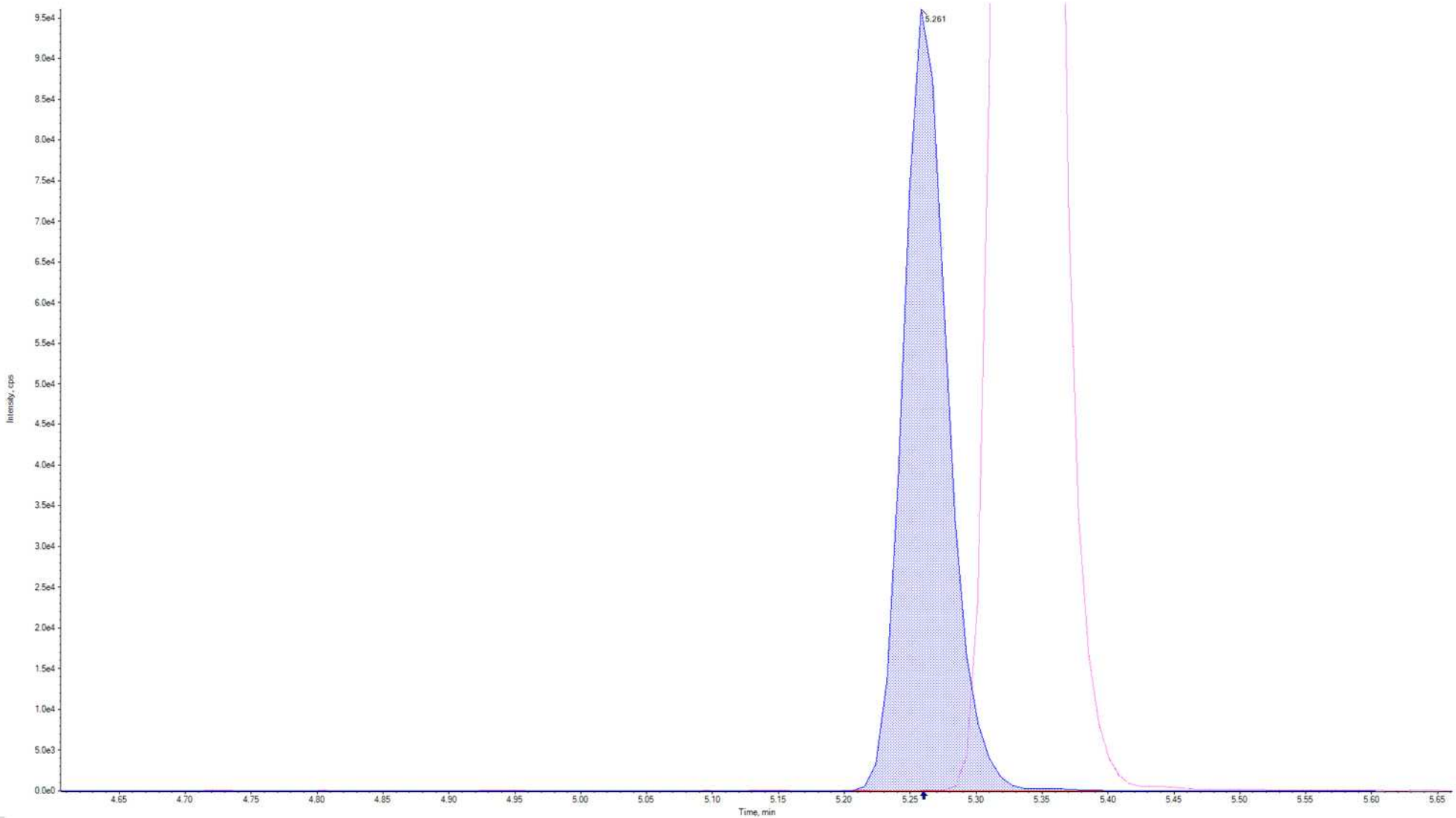
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-1.25 S/N:13678.5 Points Across peak:25



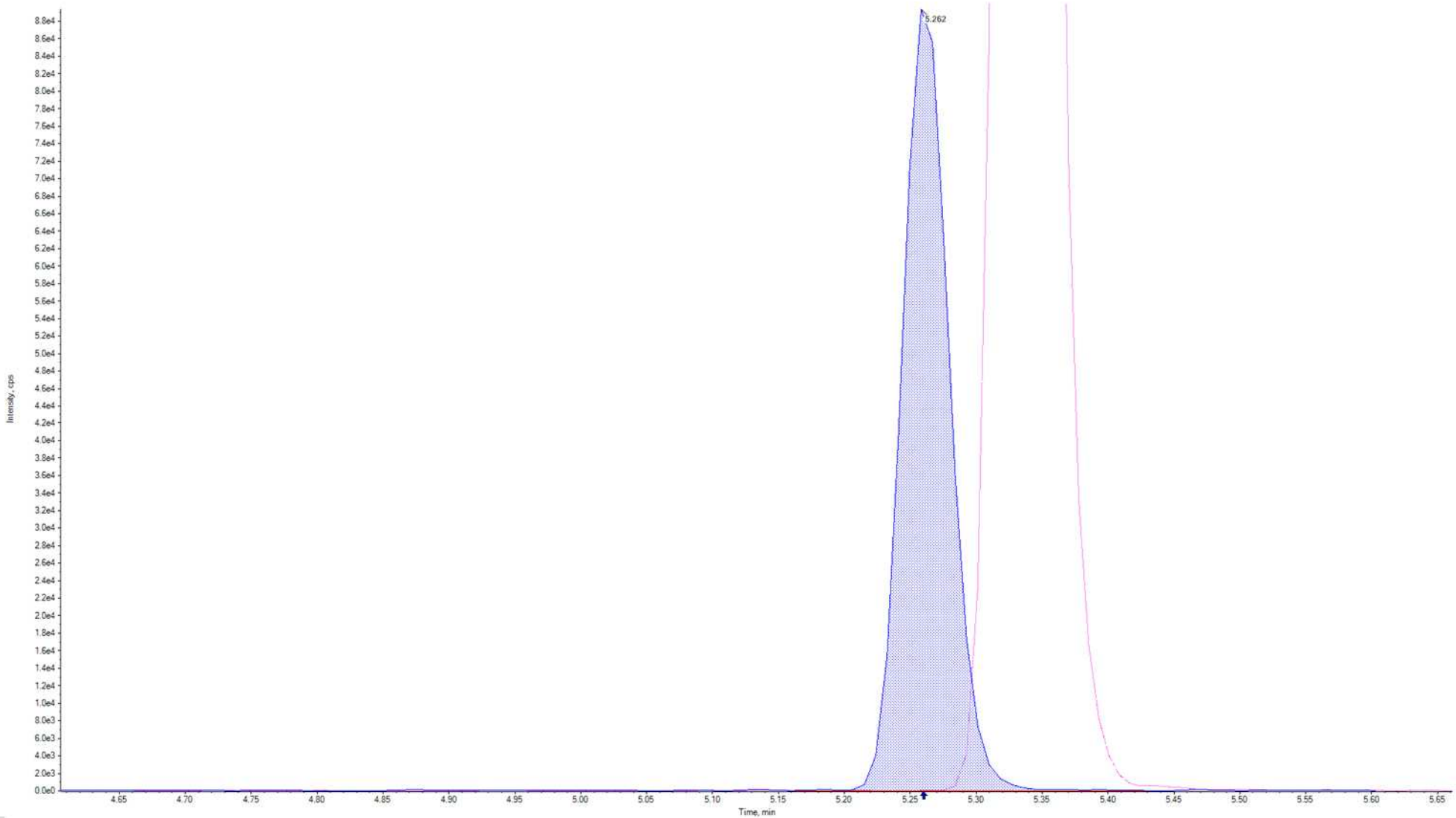
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-1.25 S/N:5792.7 Points Across peak:30



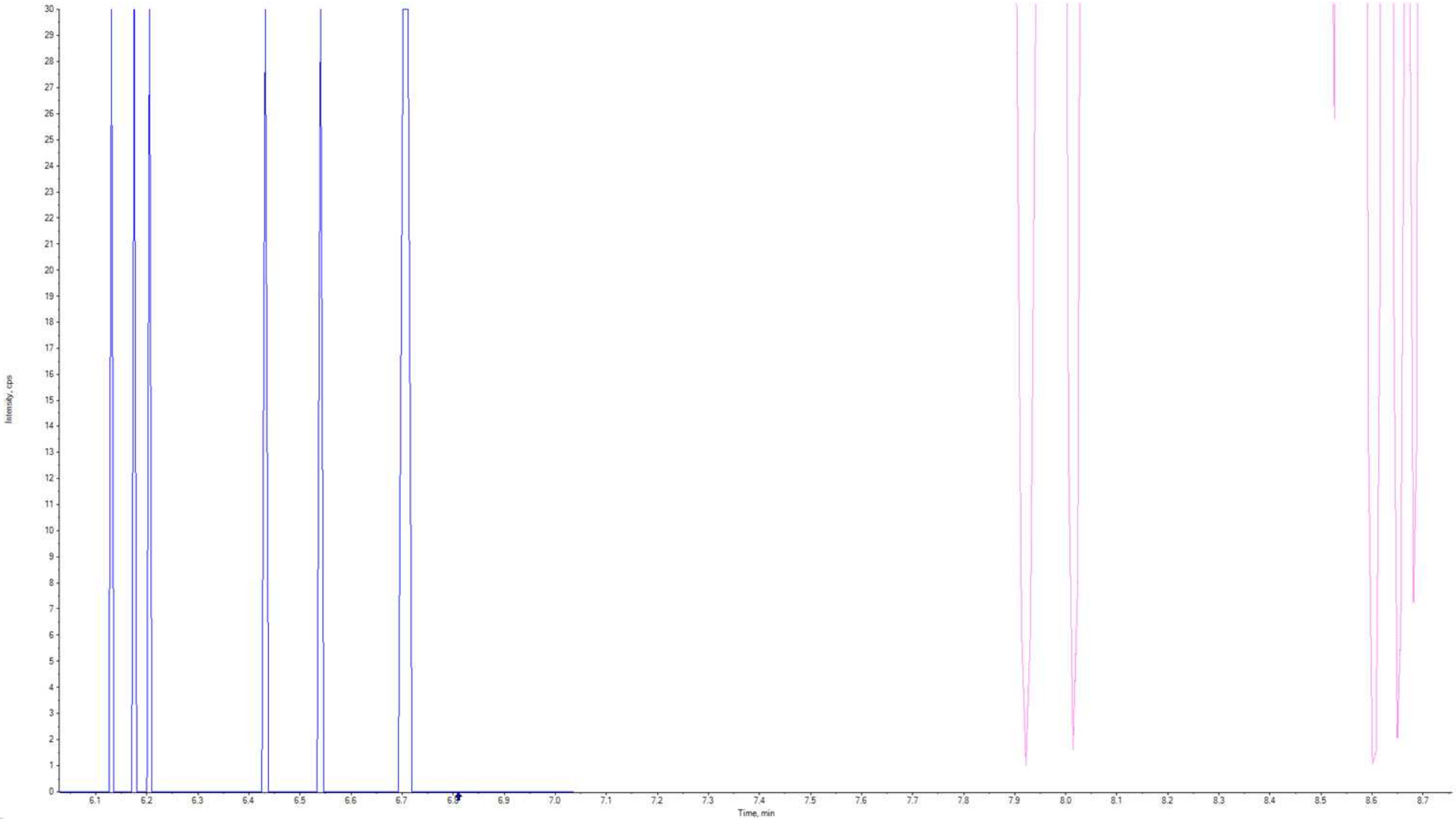
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-1.25 S/N:2858.3 Points Across peak:34



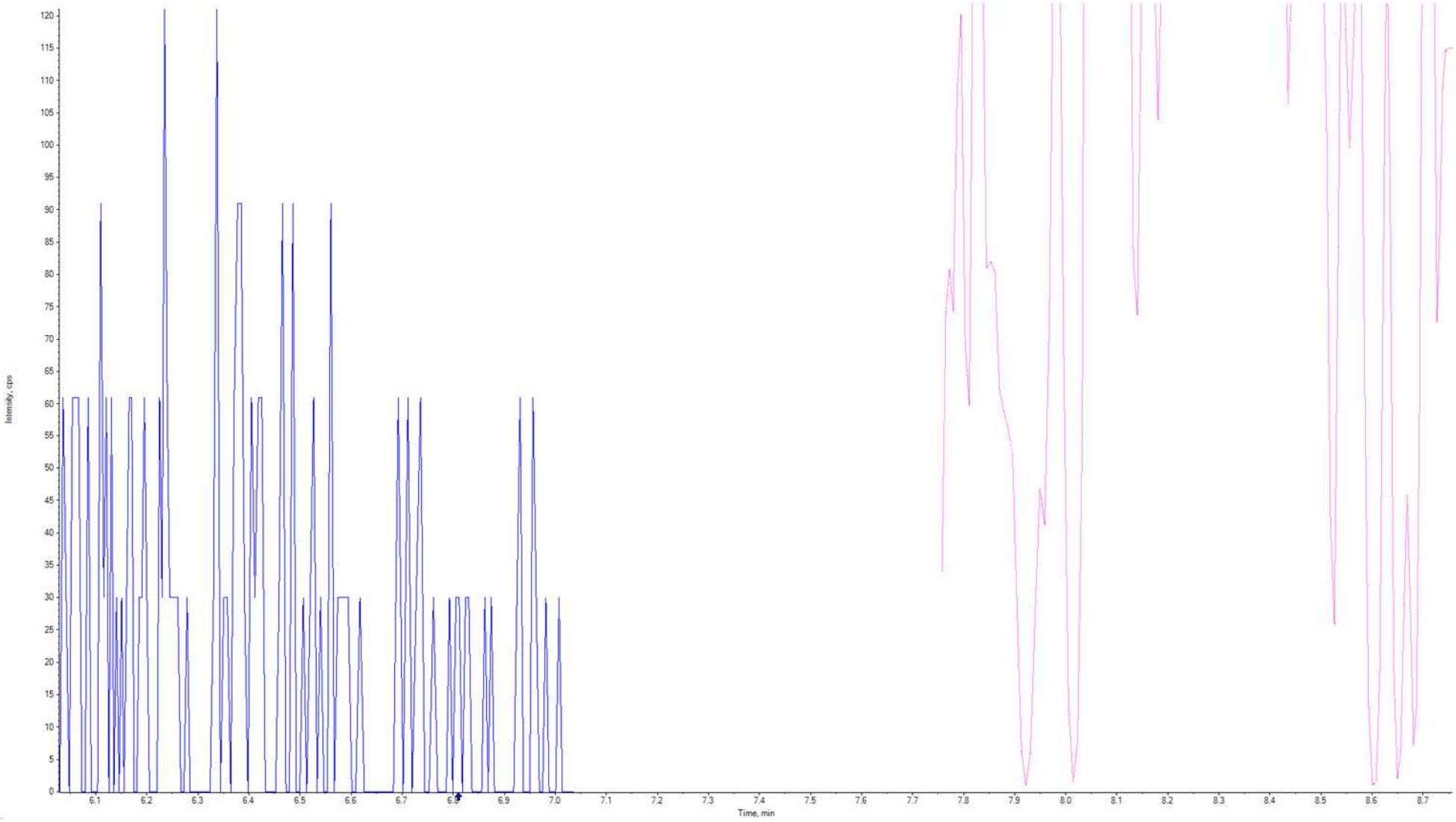
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-1.25 S/N:N/A Points Across peak:N/A



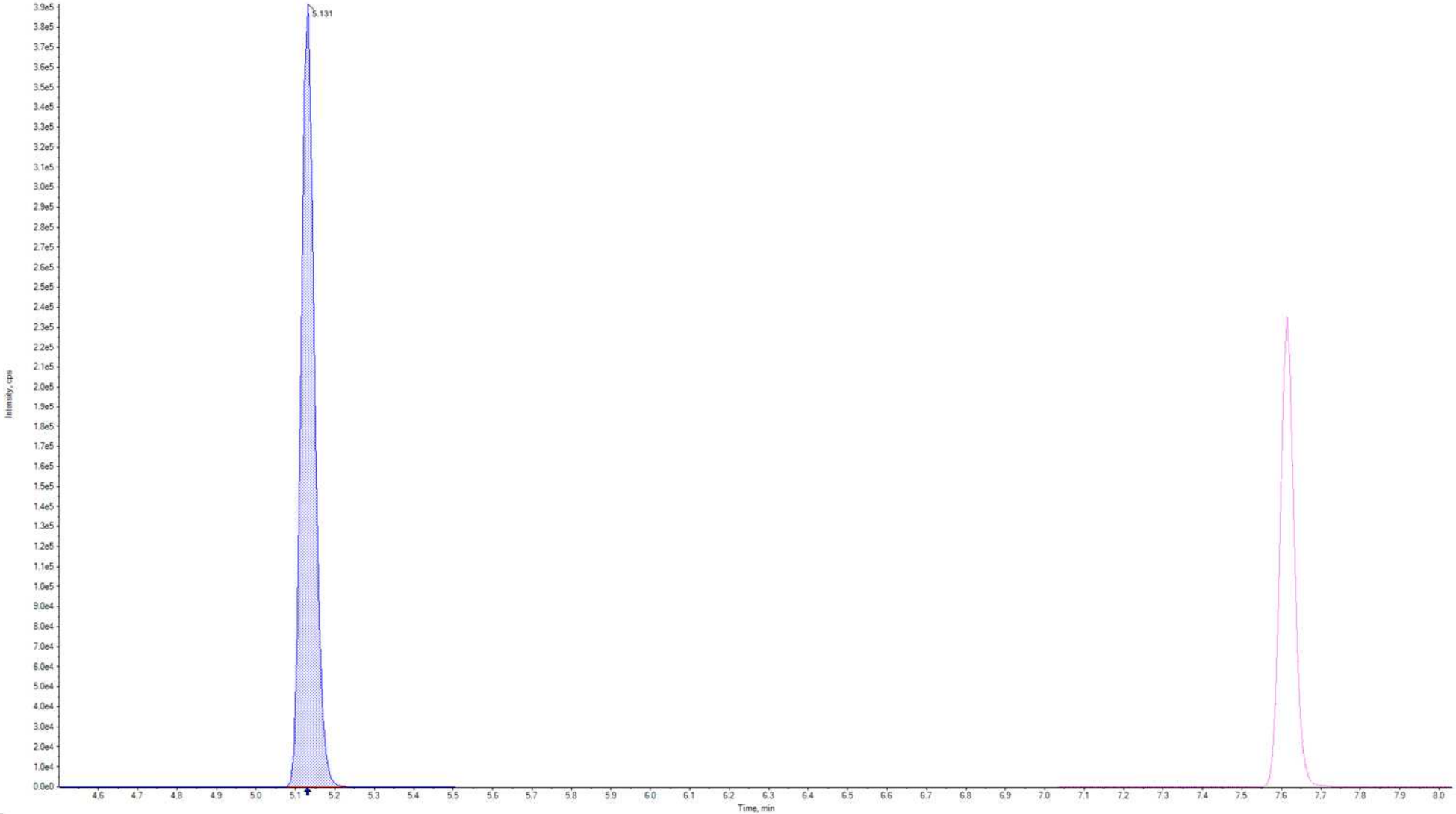
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-1.25 S/N:N/A Points Across peak:N/A



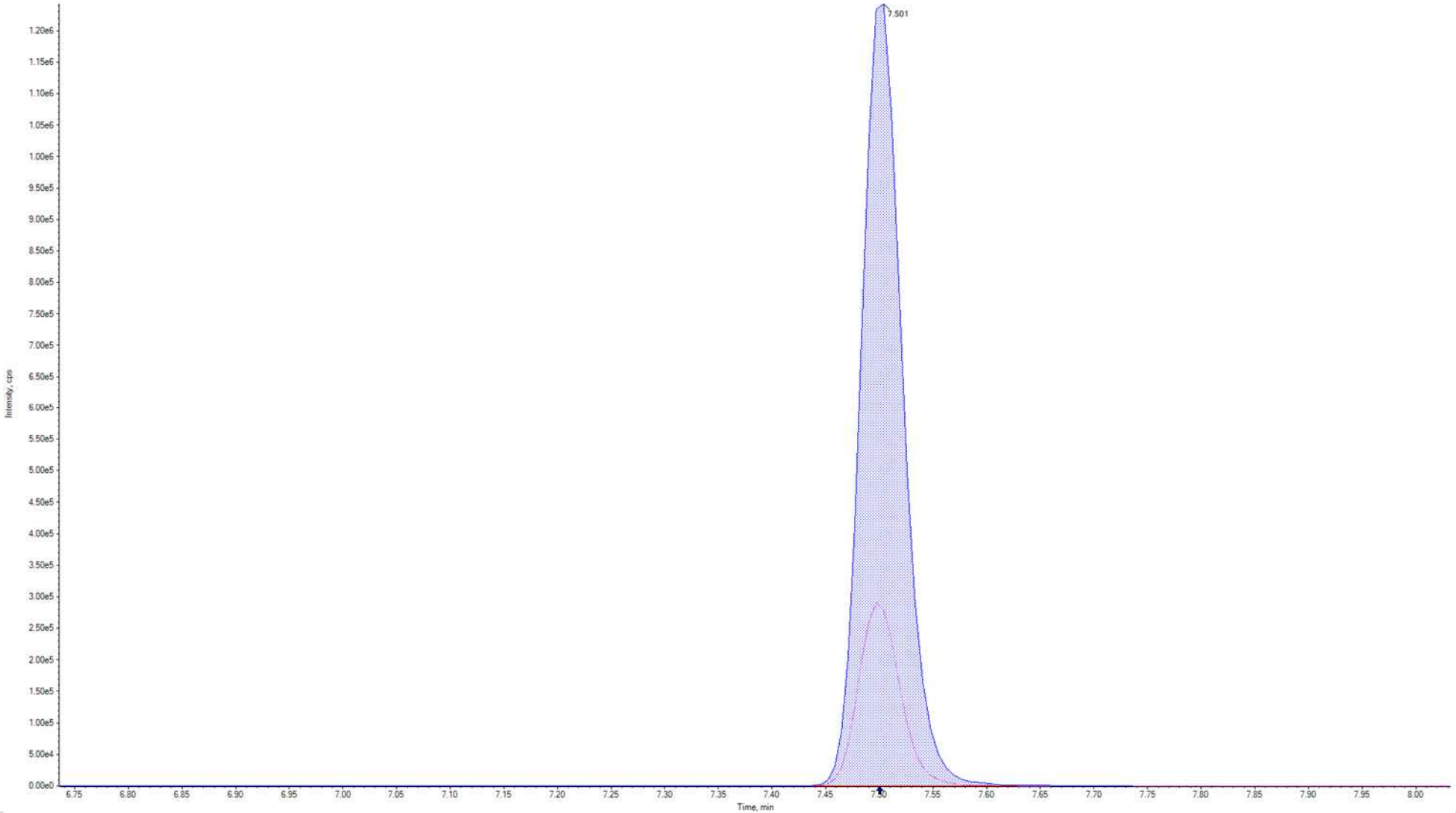
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-1.25 S/N:178276.9 Points Across peak:25

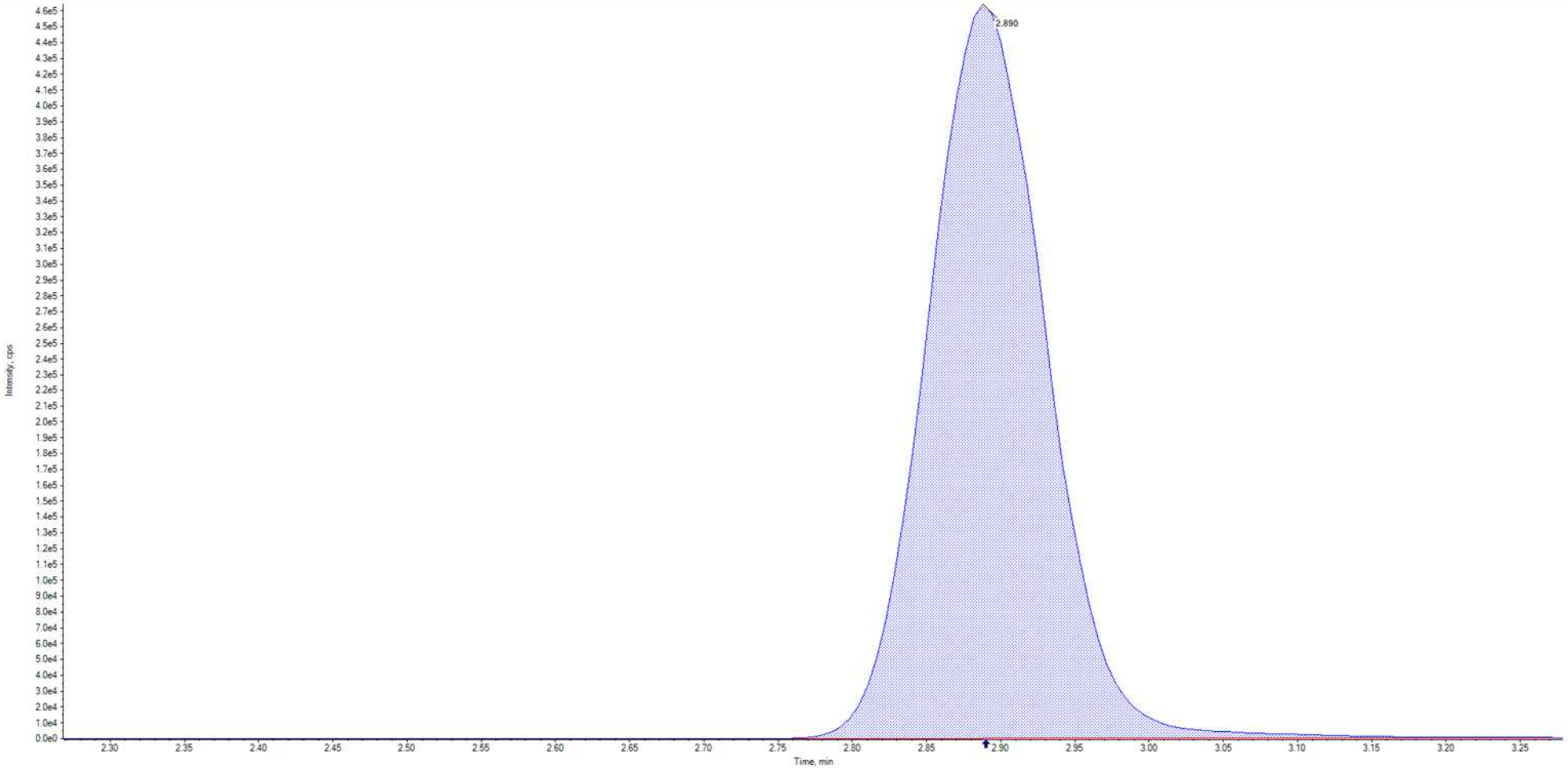


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

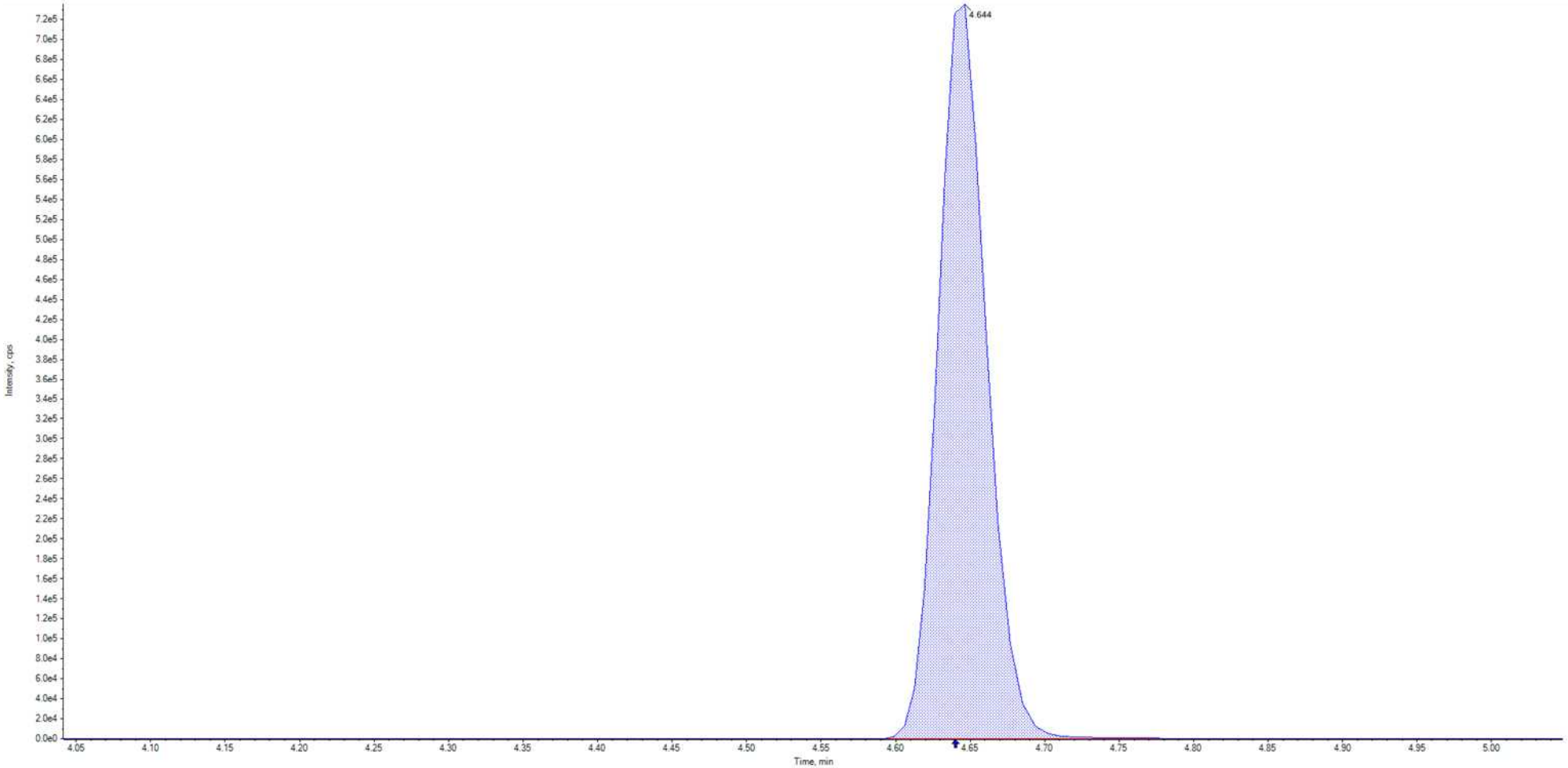
13C2-PFOA
Sample: IA1633STD-1.25 S/N:92469372.6 Points Across peak:33



13C4-PFBA
Sample: IA1633STD-1.25

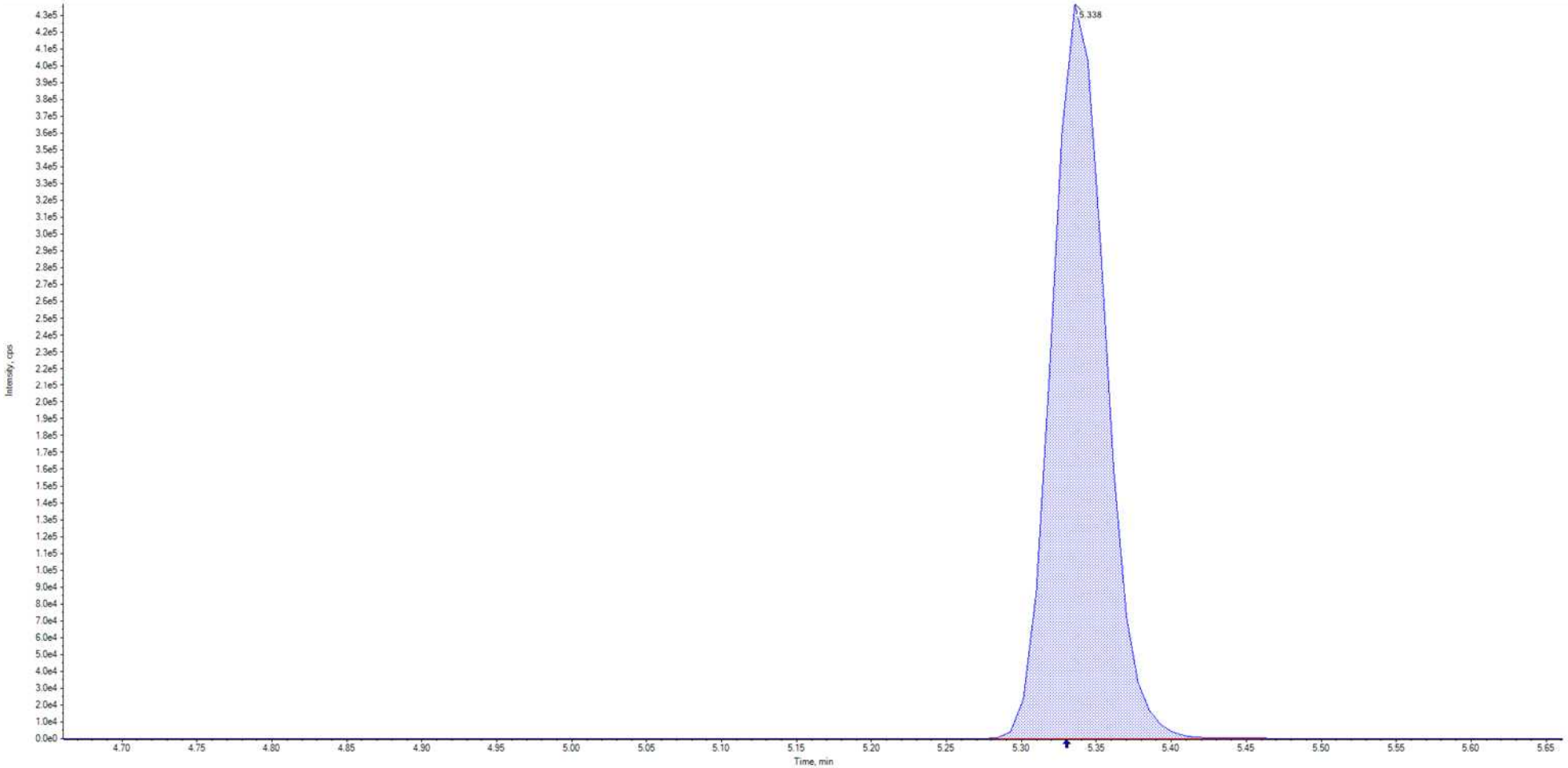


13C5-PFPeA
Sample: IA1633STD-1.25

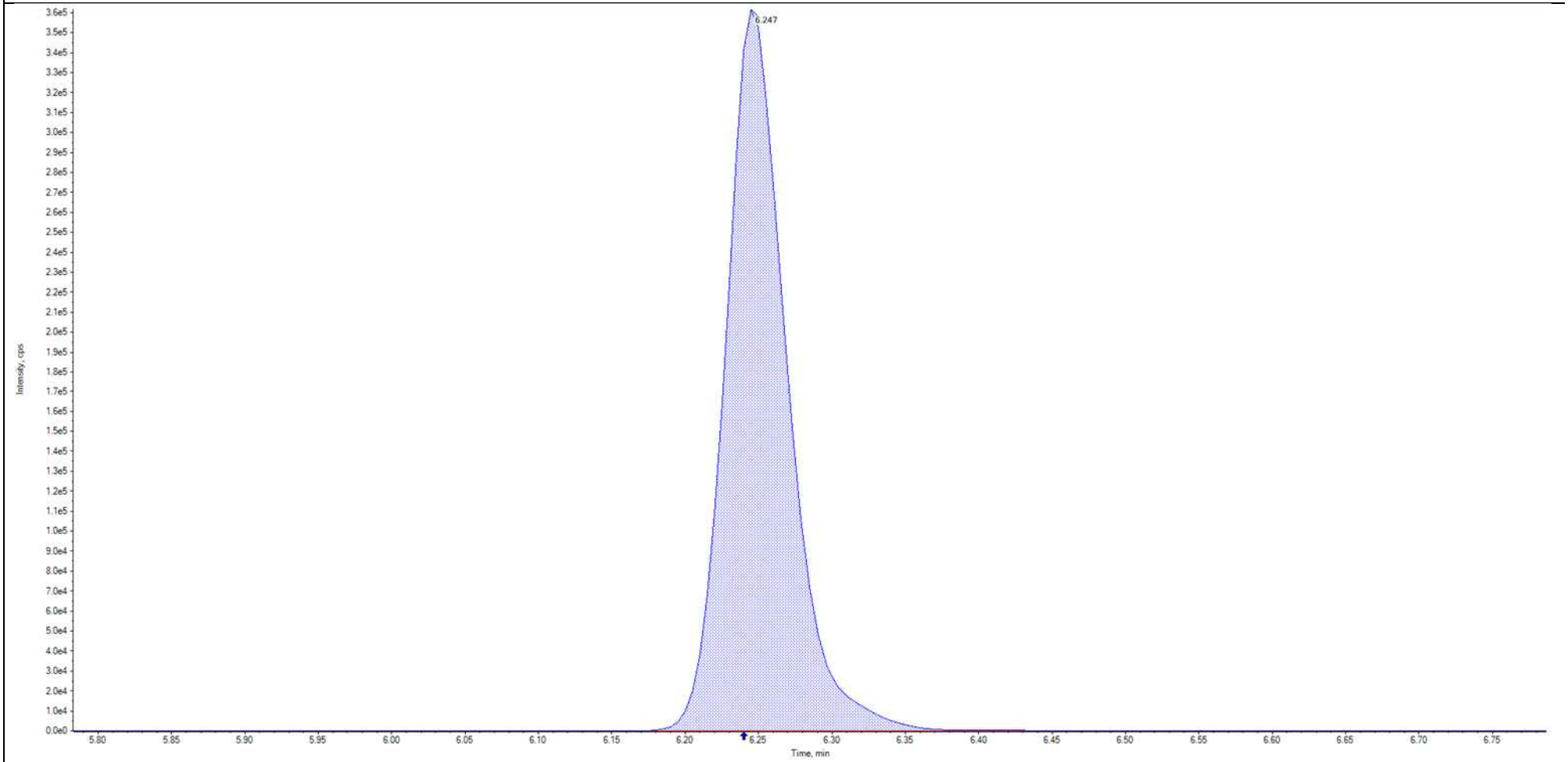


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

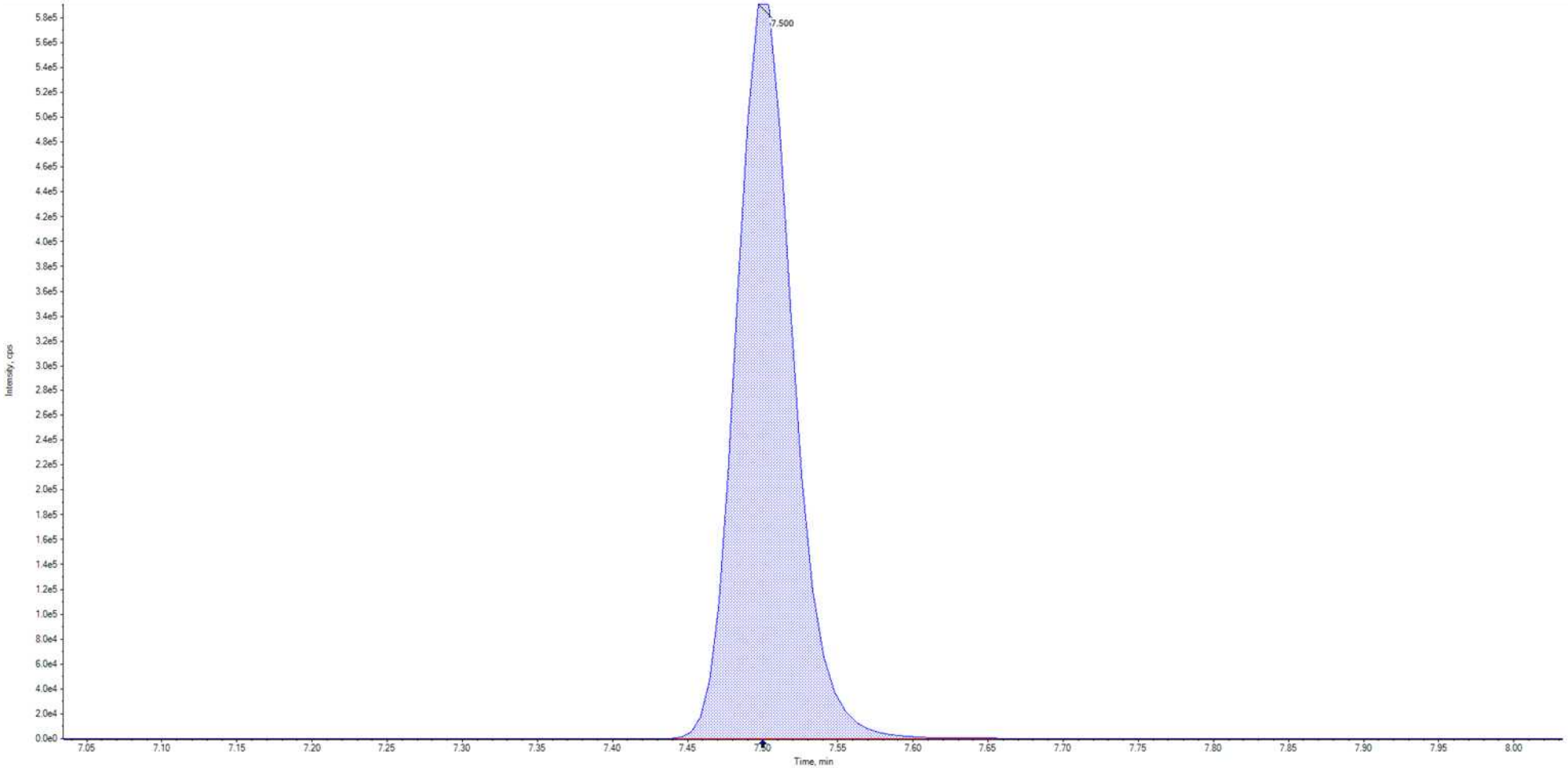
13C5-PFHxA
Sample: IA1633STD-1.25



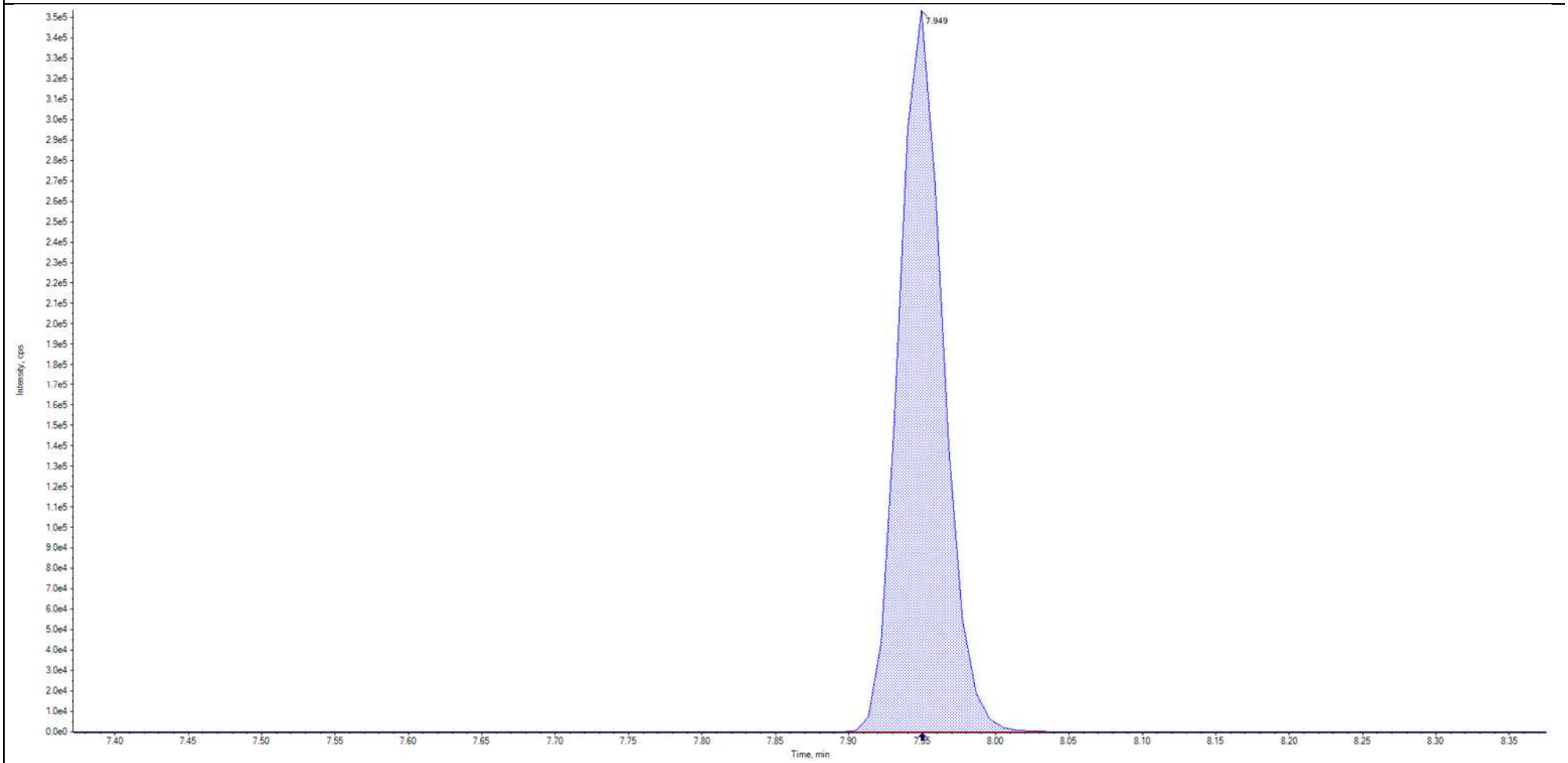
13C4-PFHpA
Sample: IA1633STD-1.25



13C8-PFOA
Sample: IA1633STD-1.25



13C9-PFNA
Sample: IA1633STD-1.25



13C6-PFDA
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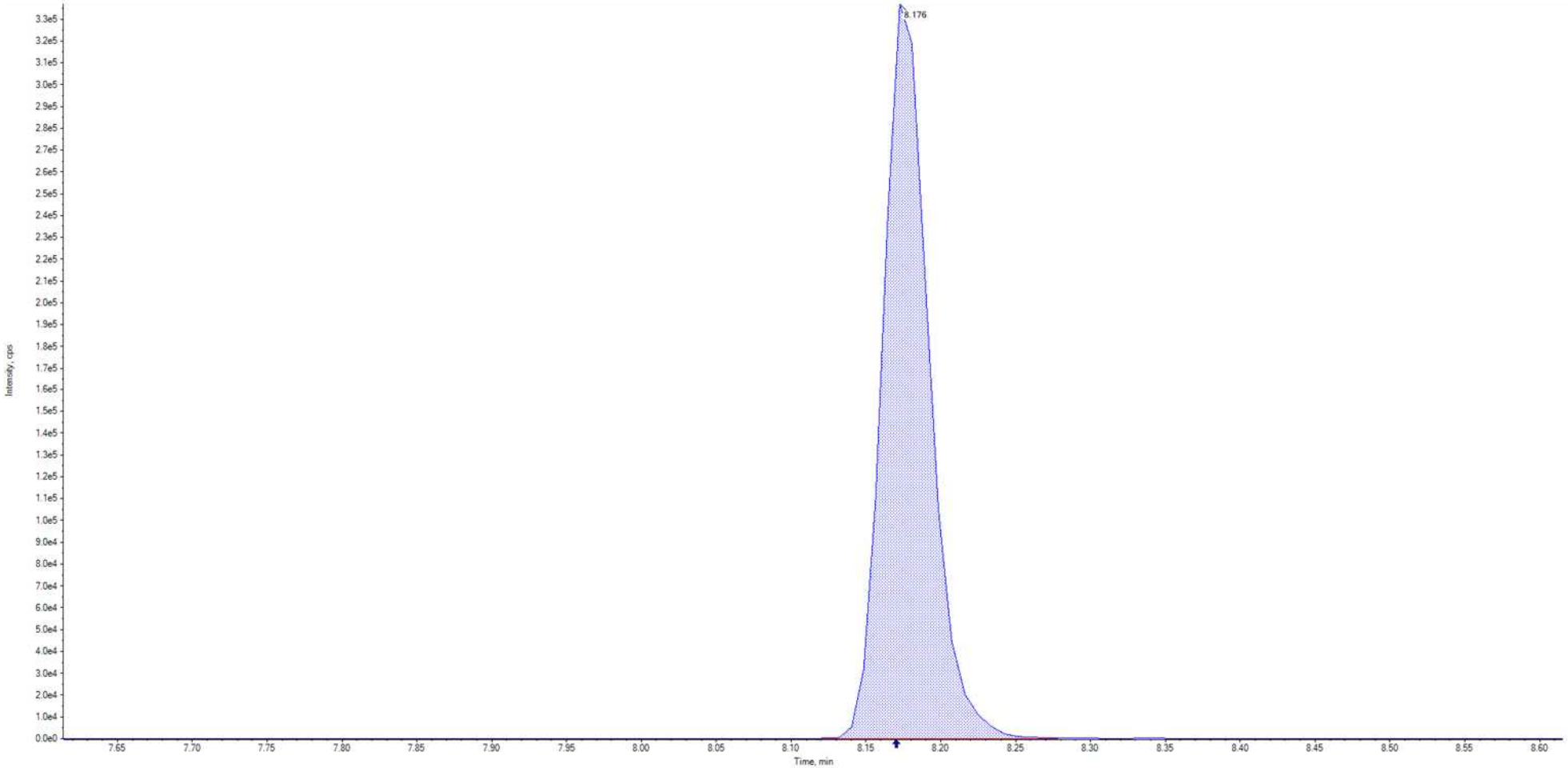

13C7-PFUnA
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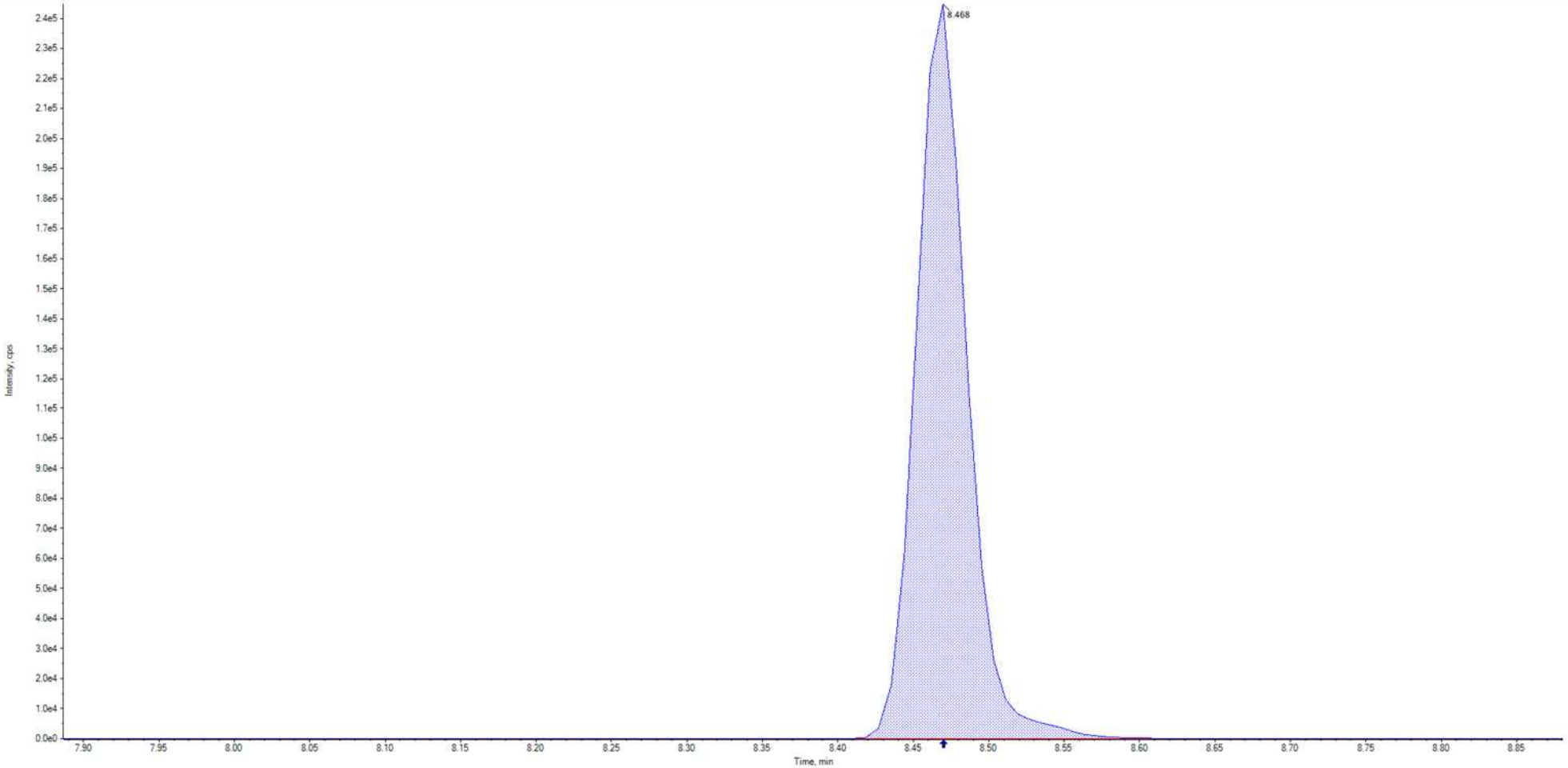
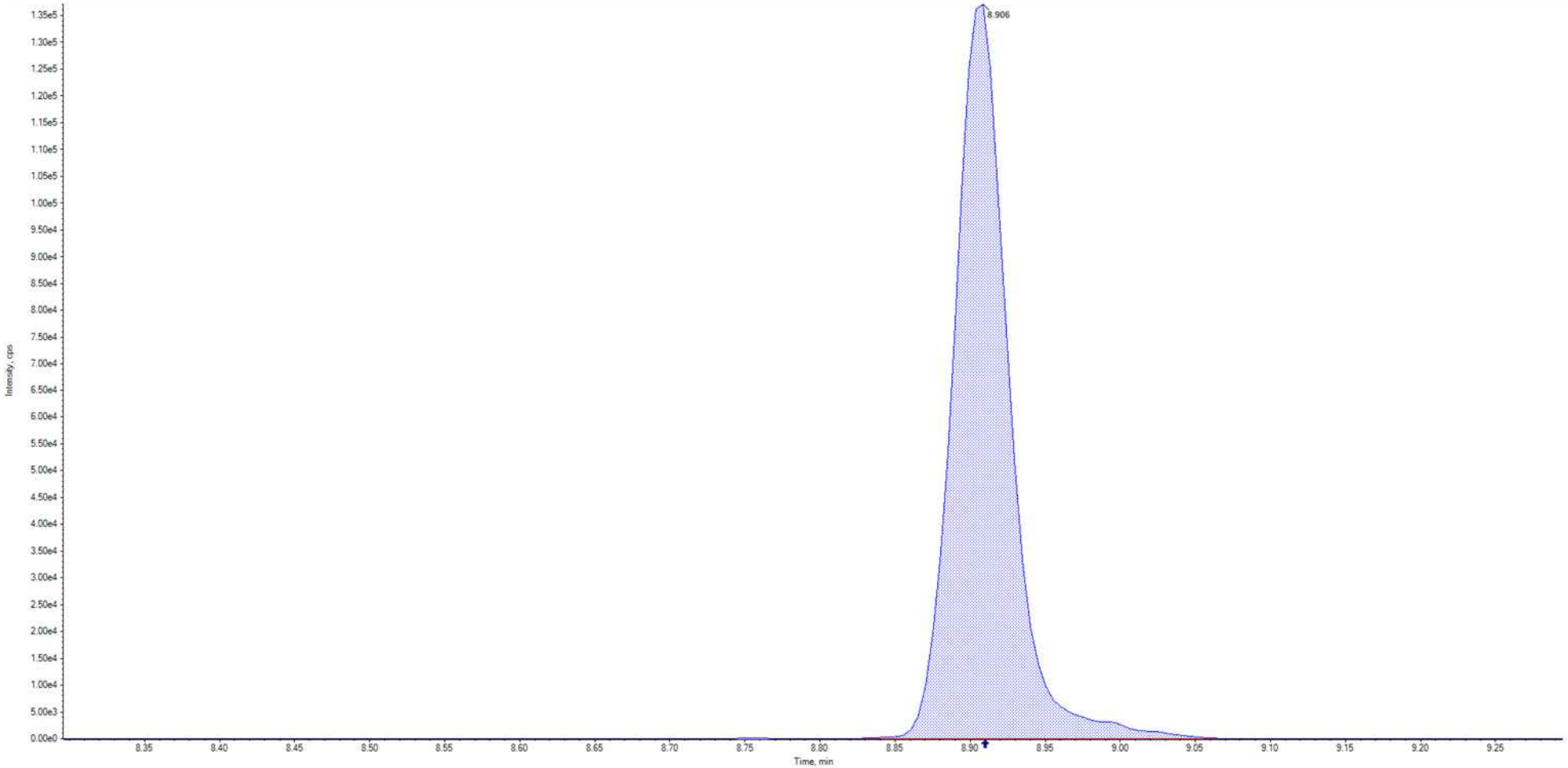
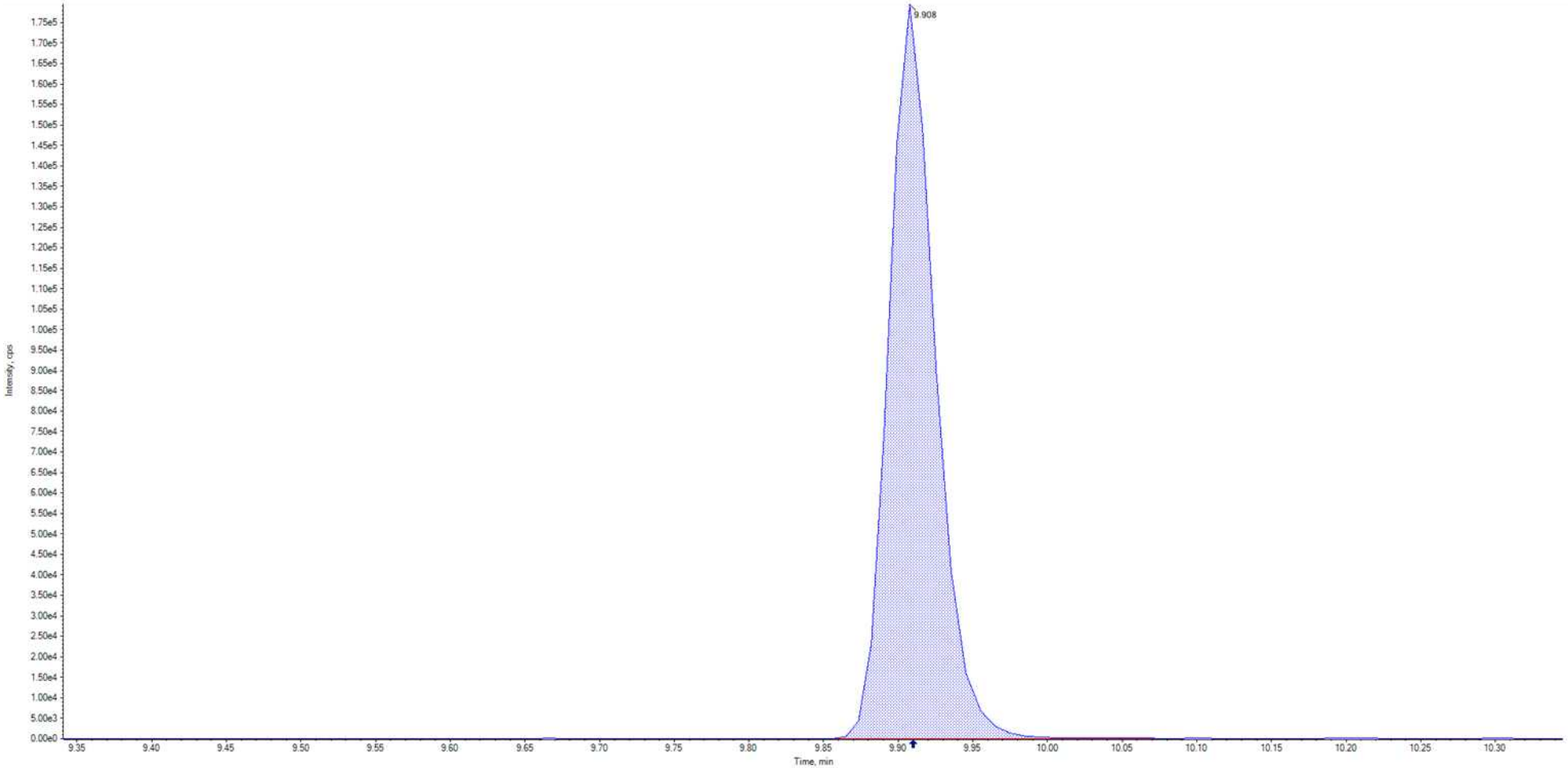


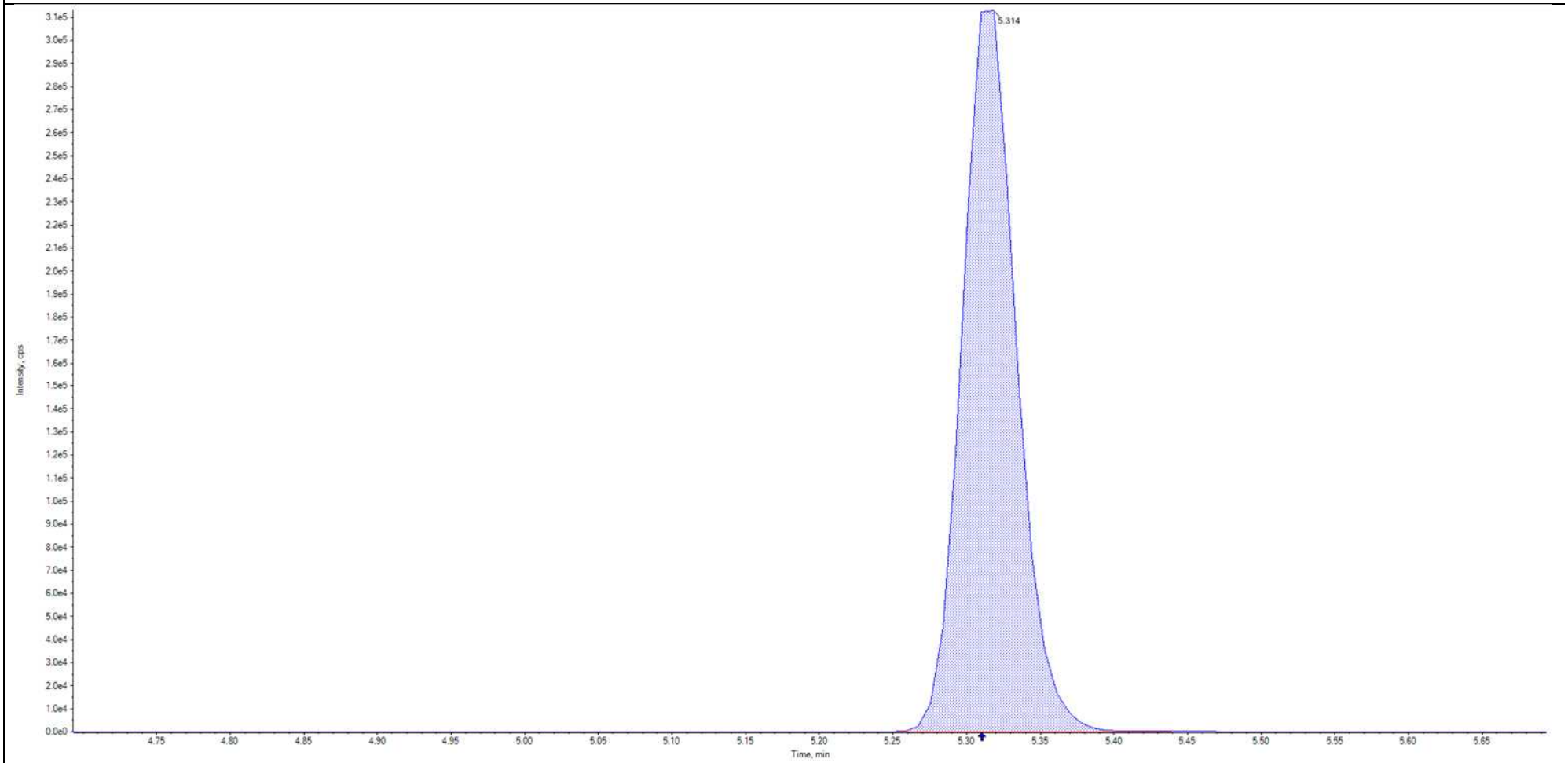
13C2-PFDoA
Sample: IA1633STD-1.25



13C2-PFTeDA
Sample: IA1633STD-1.25

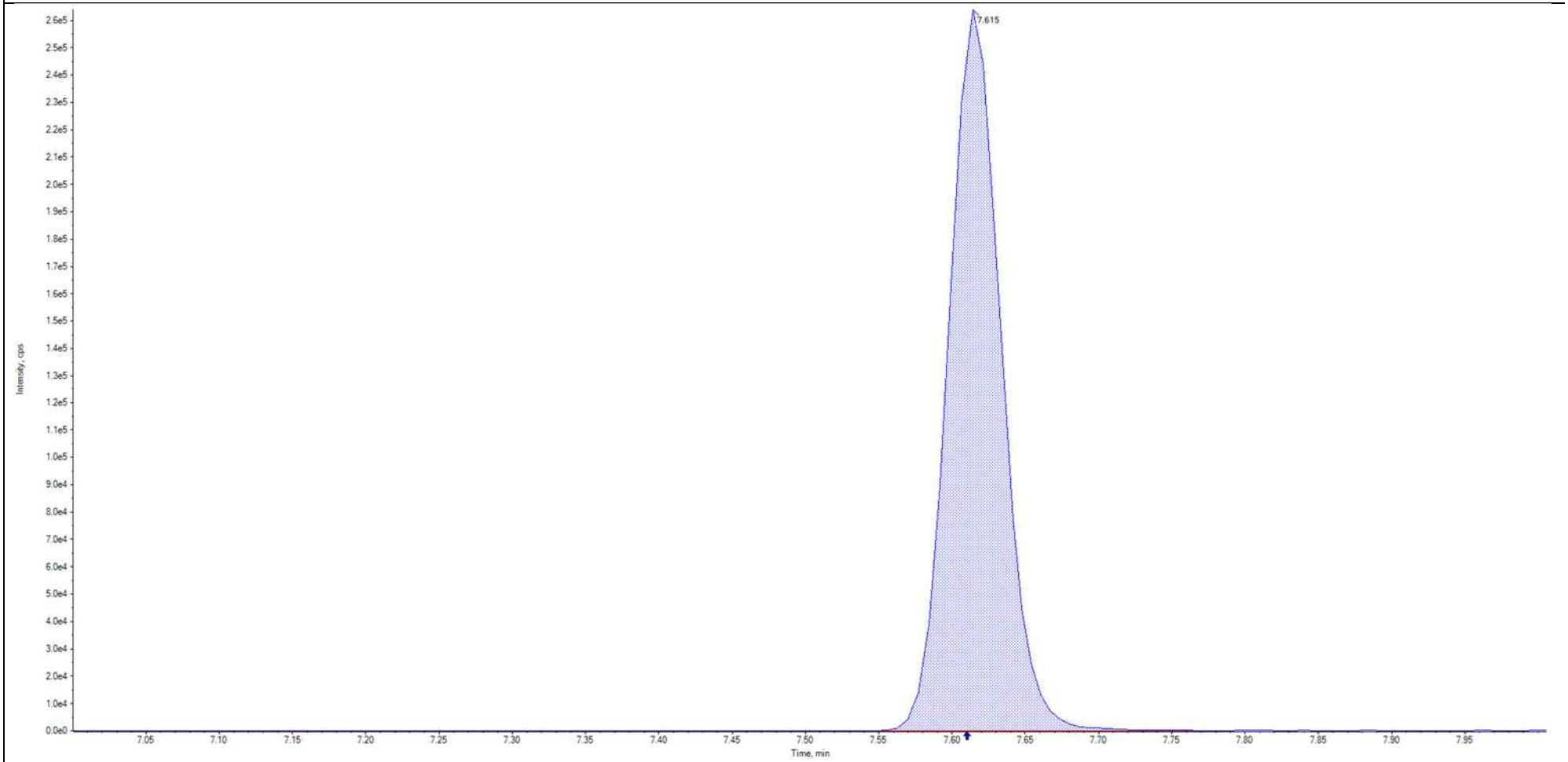


13C3-PFBS
Sample: IA1633STD-1.25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_74.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C3-PFHxS
Sample: IA1633STD-1.25



13C8-PFOS
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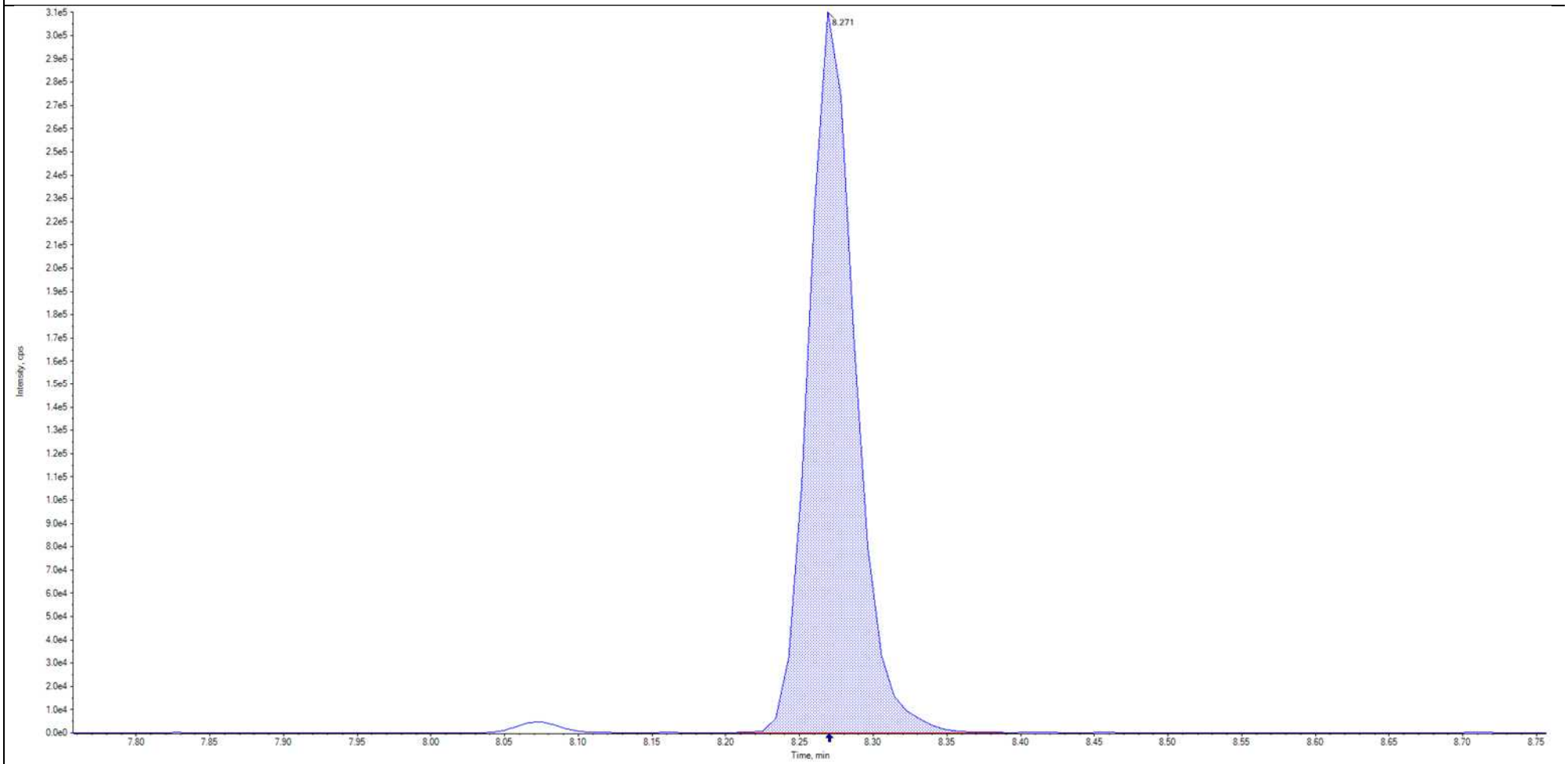

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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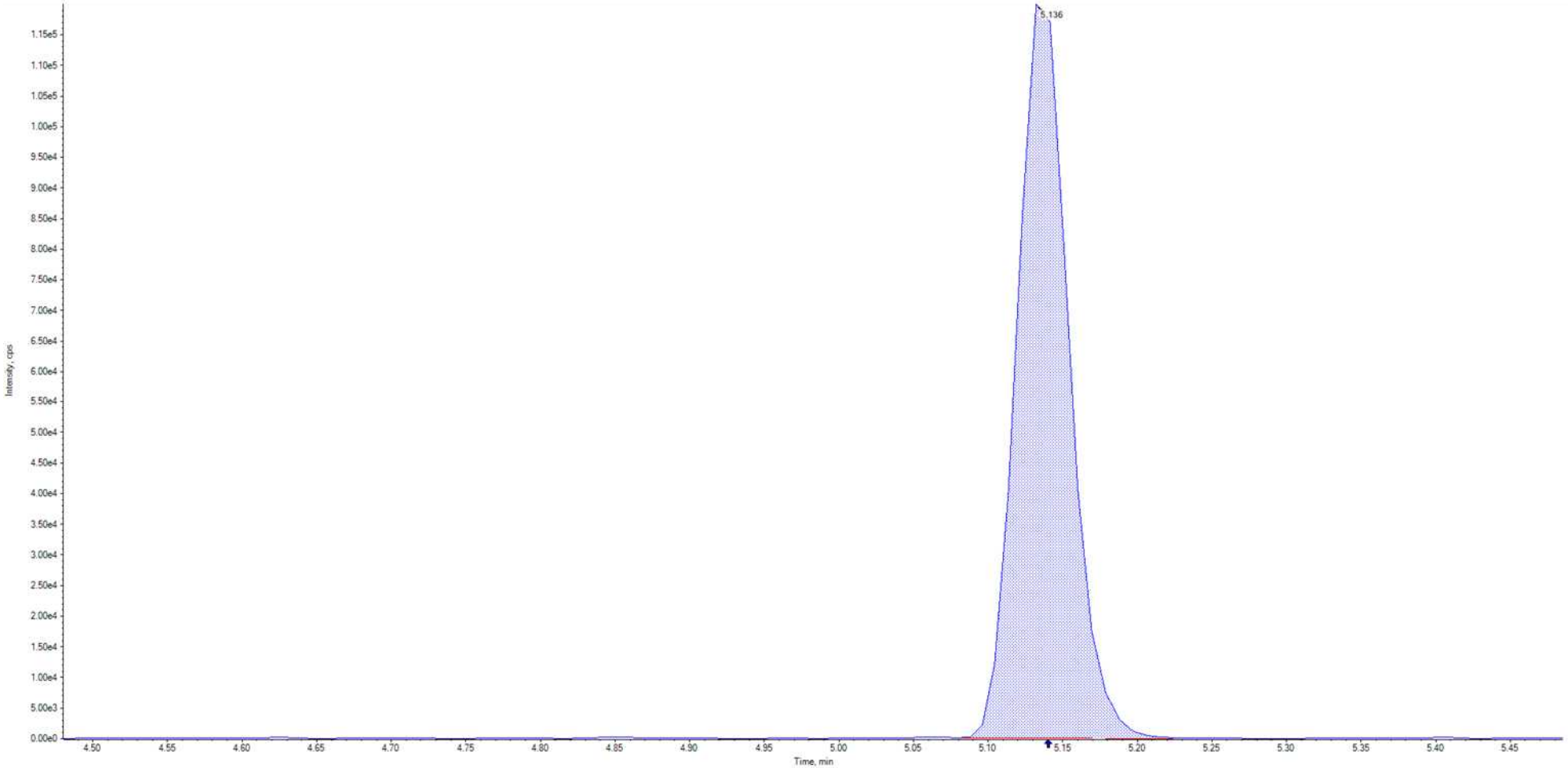
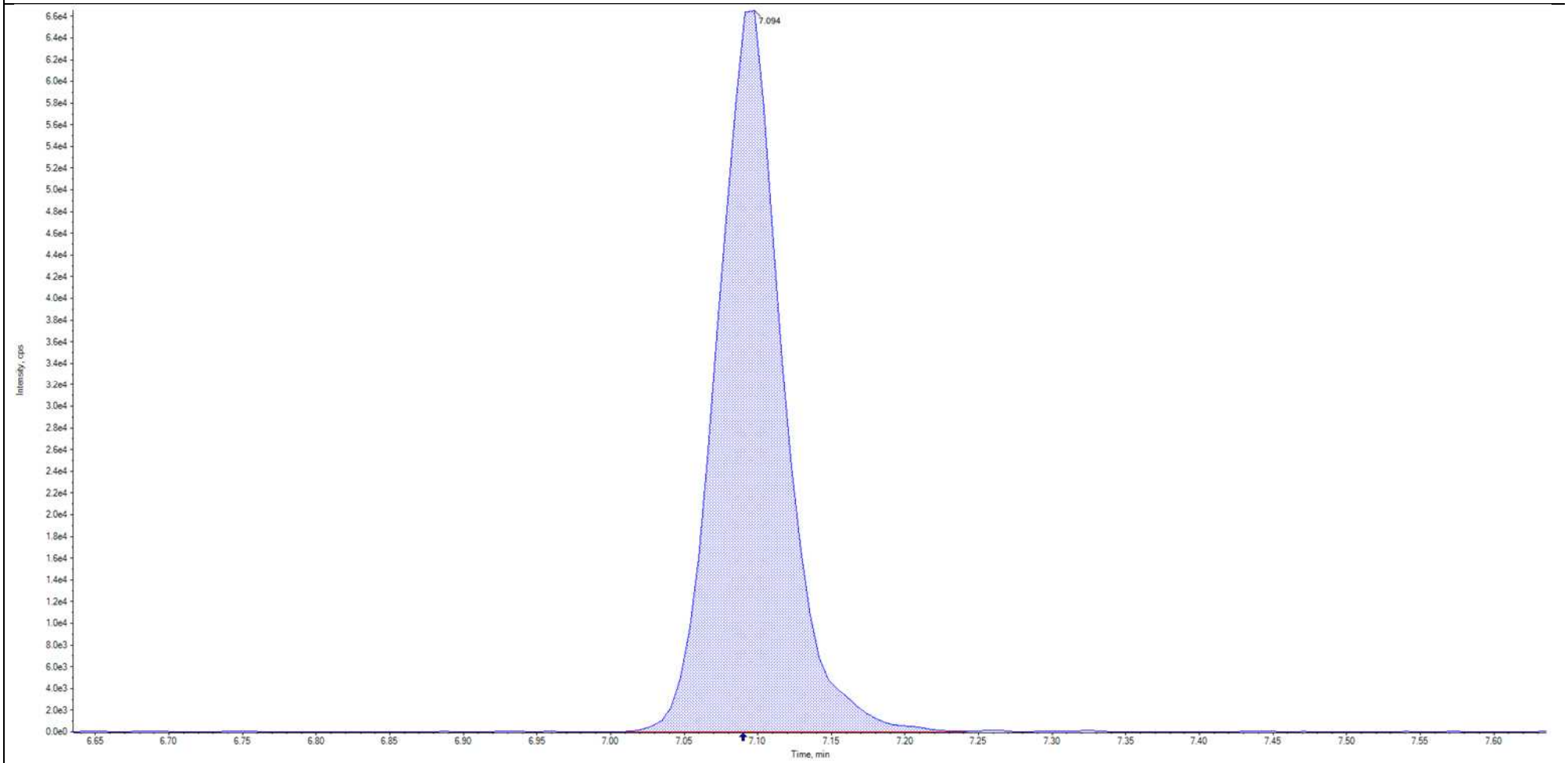
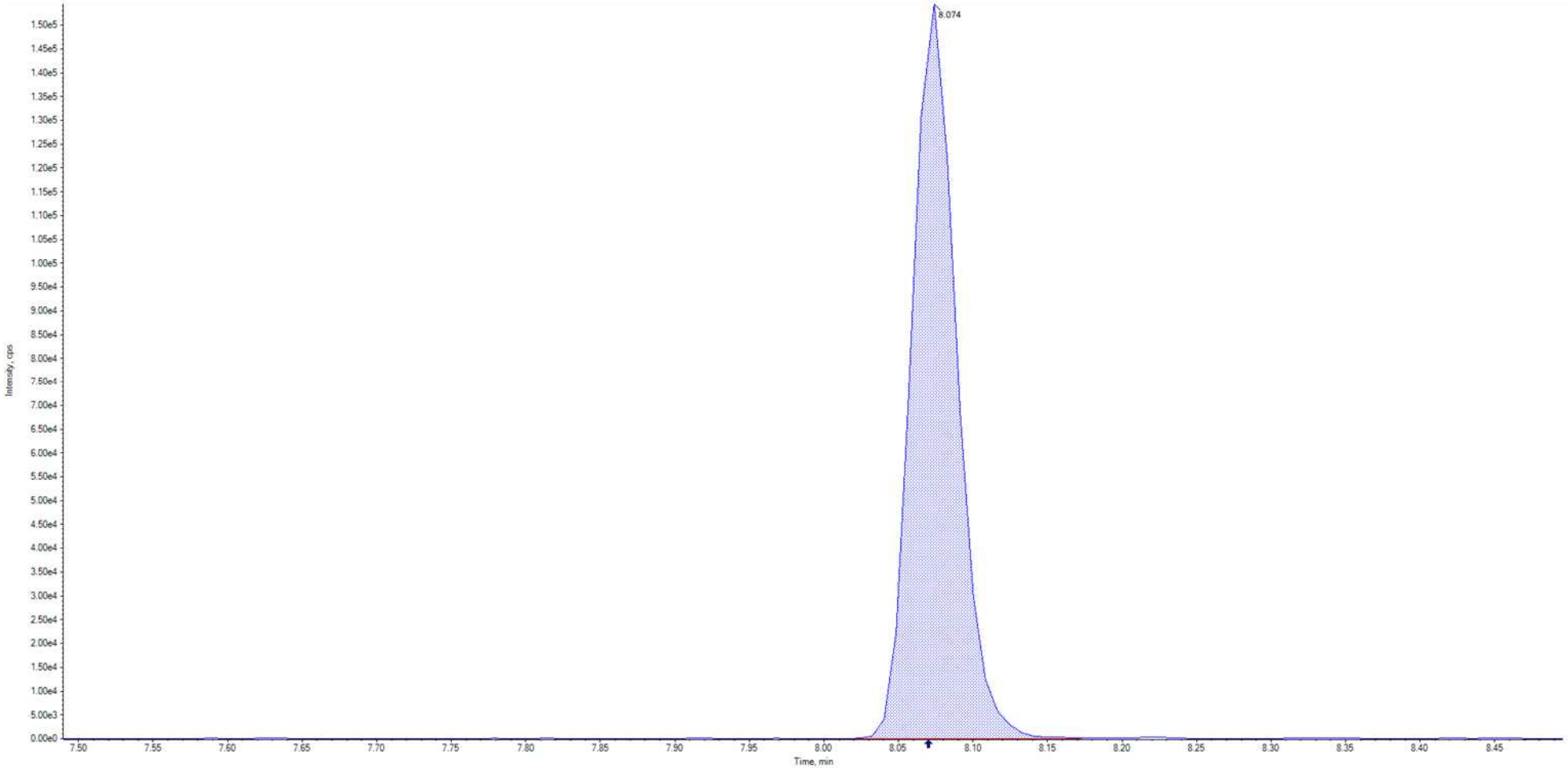
13C2-4:2FTS
Sample: IA1633STD-1.25



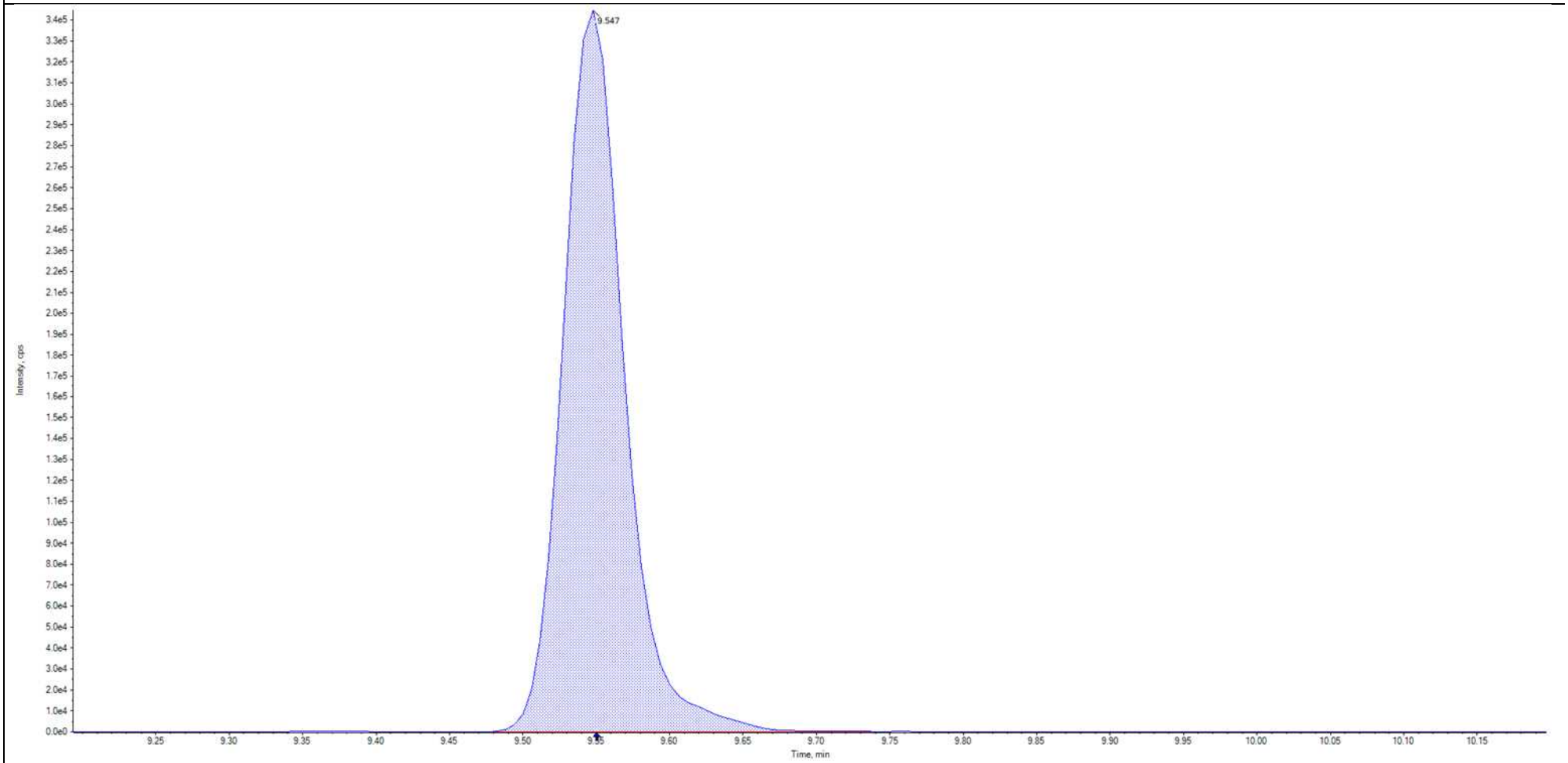
13C2-6:2FTS
Sample: IA1633STD-1.25



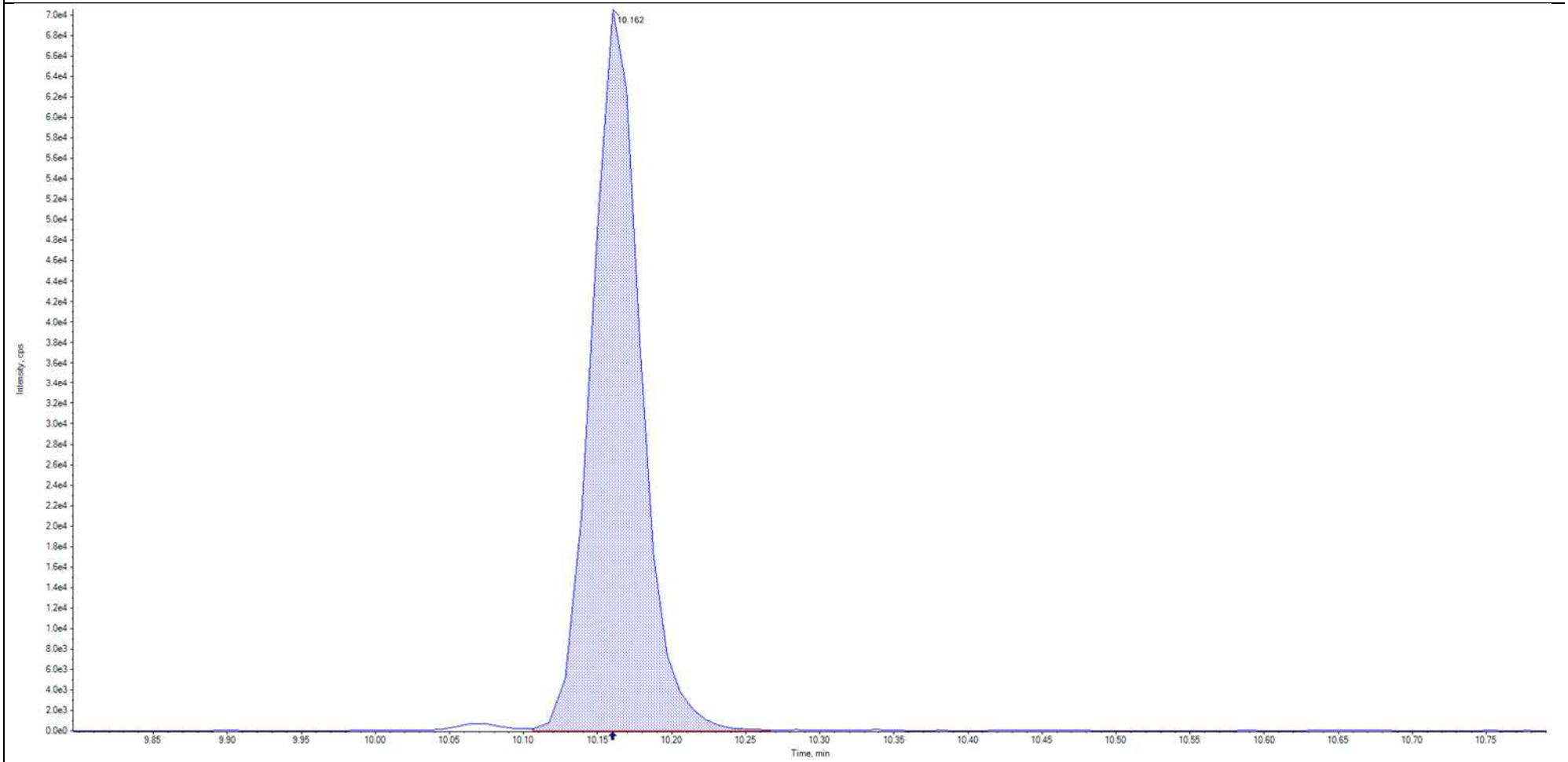
13C2-8:2FTS
Sample: IA1633STD-1.25



13C8-PFOSA
Sample: IA1633STD-1.25



d3-NMeFOSA
Sample: IA1633STD-1.25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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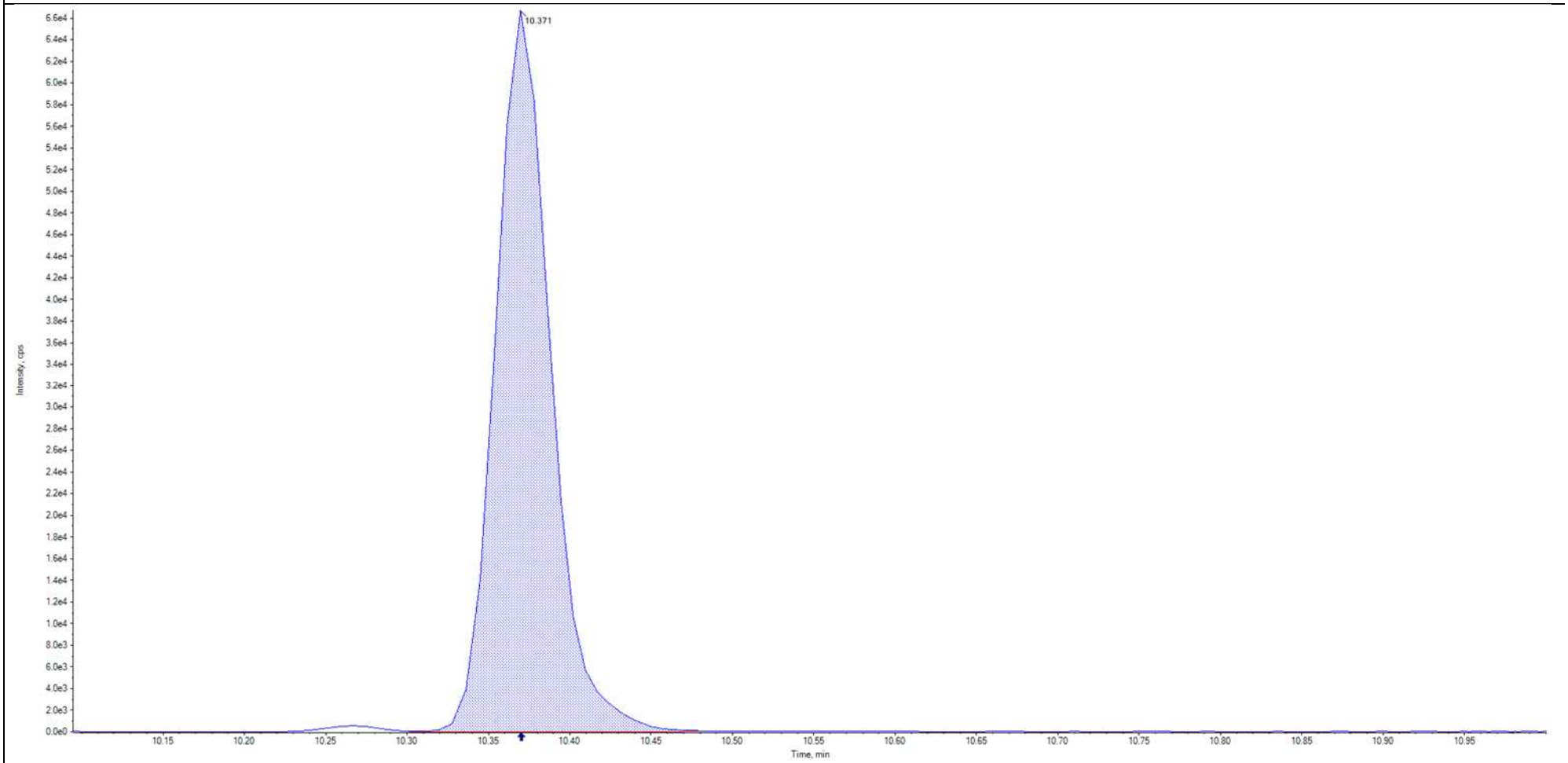
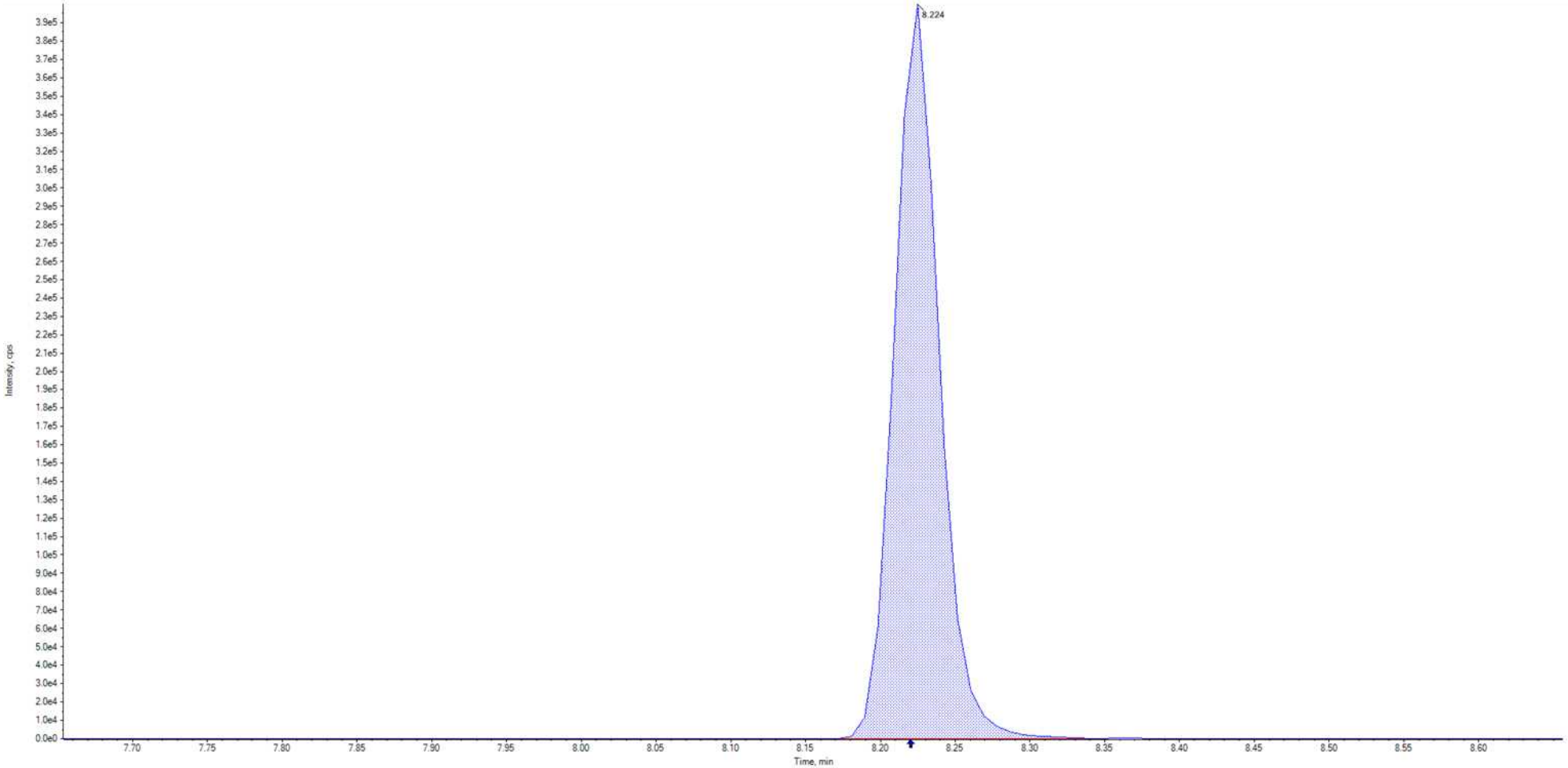
Generated: 8/14/2024 6:27:11 AM

d5-NEtFOSA
Sample: IA1633STD-1.25



d3-NMeFOSAA
Sample: IA1633STD-1.25



d5-NEtFOSAA
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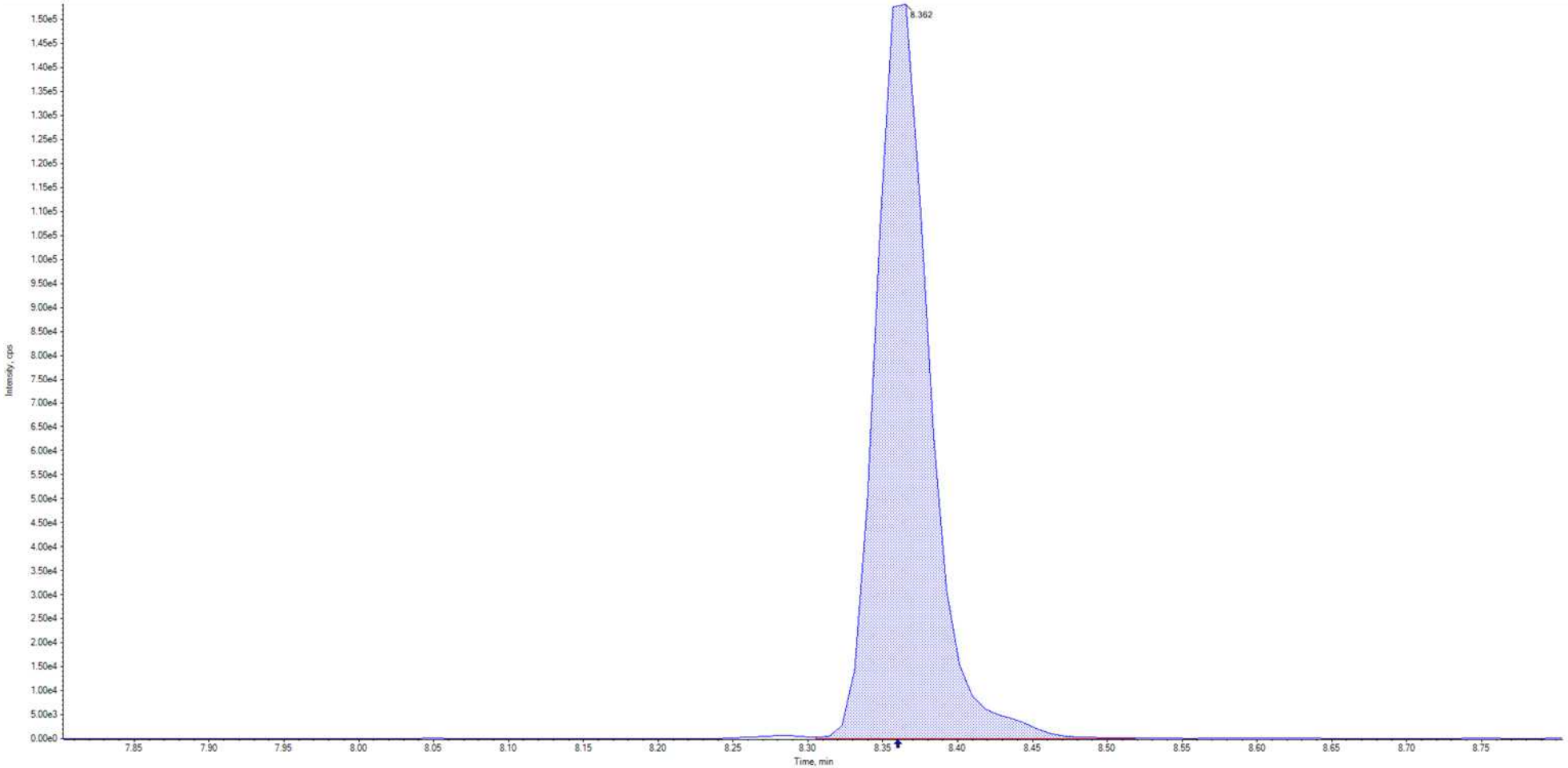
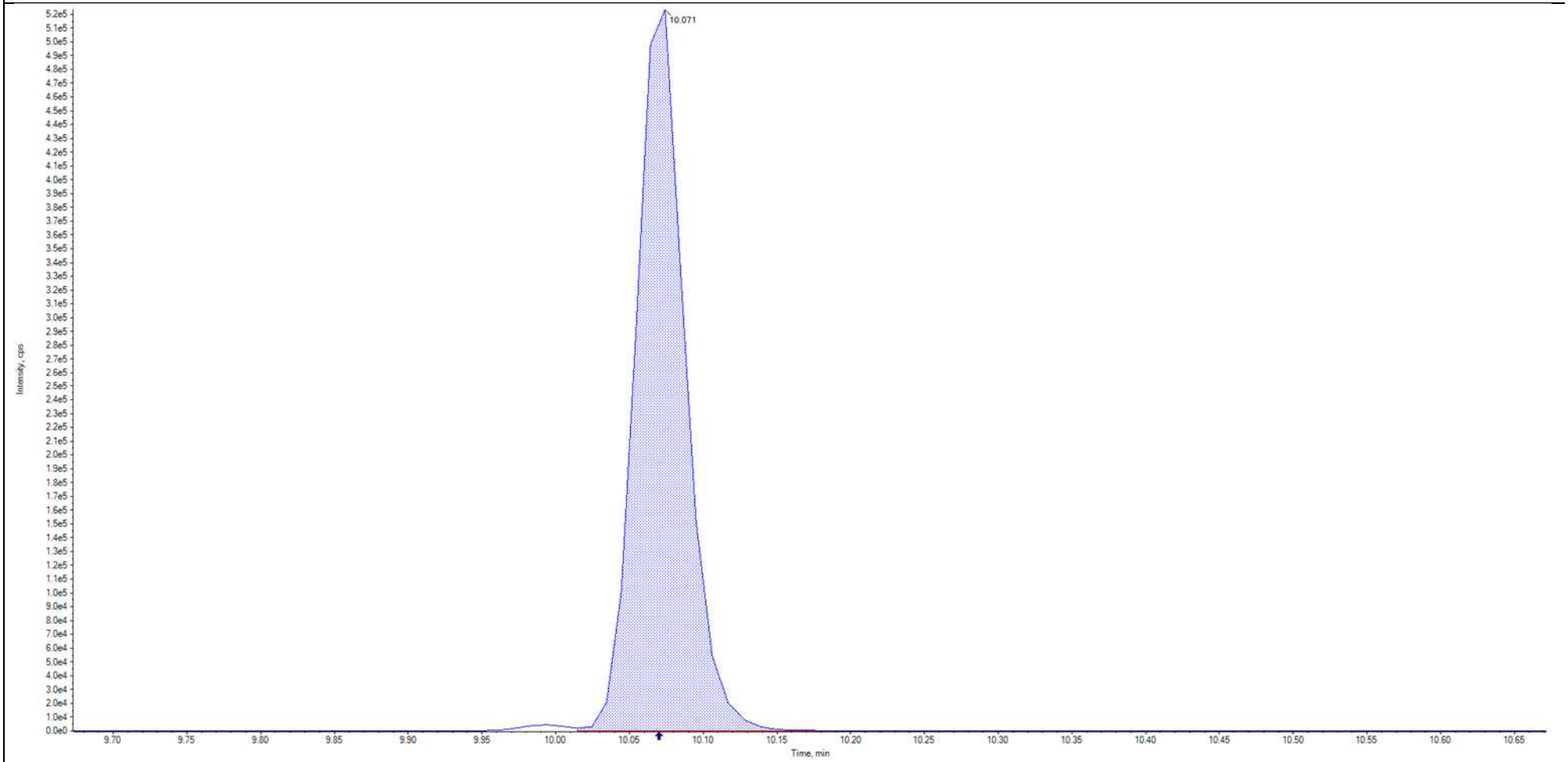
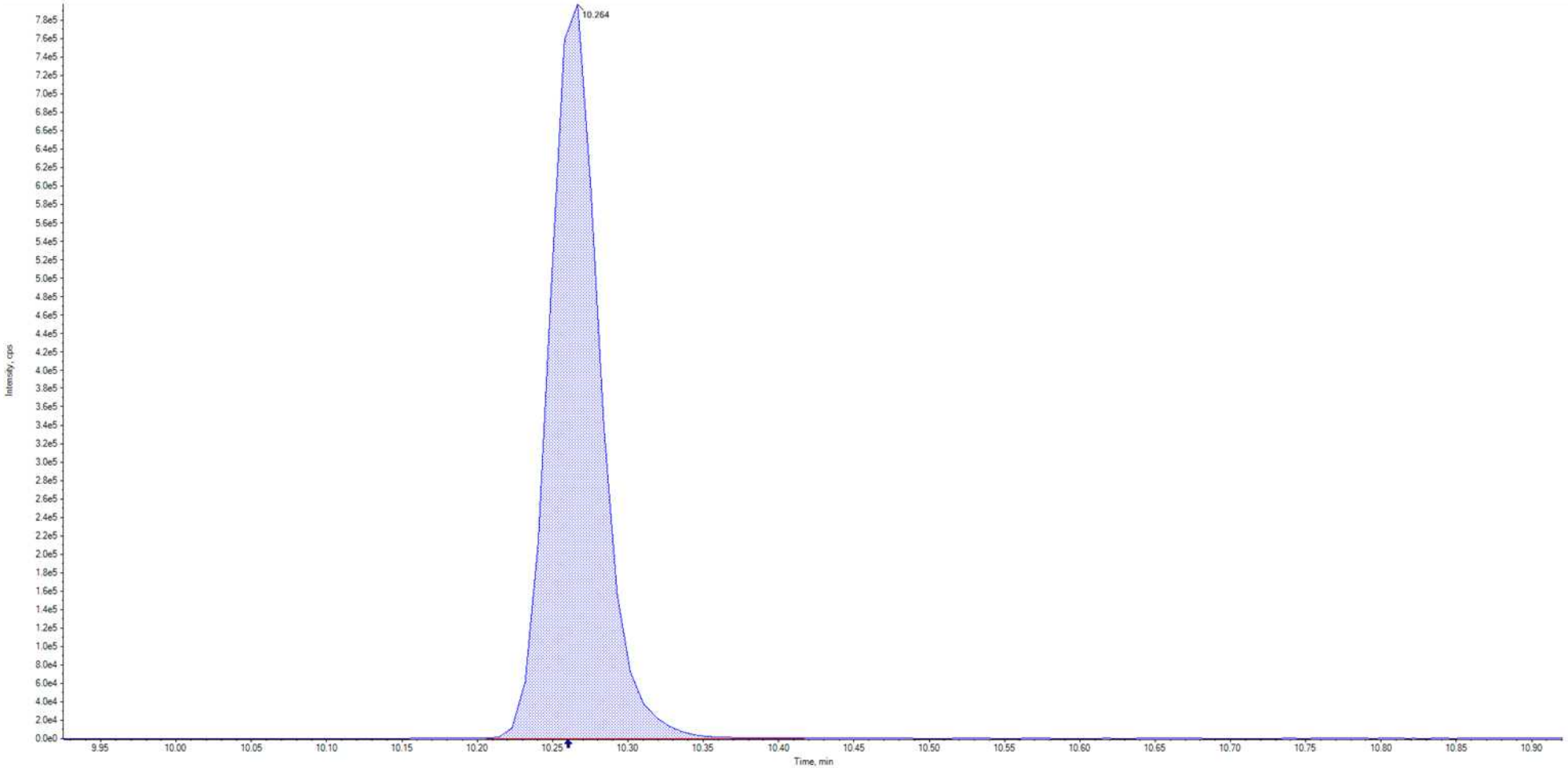


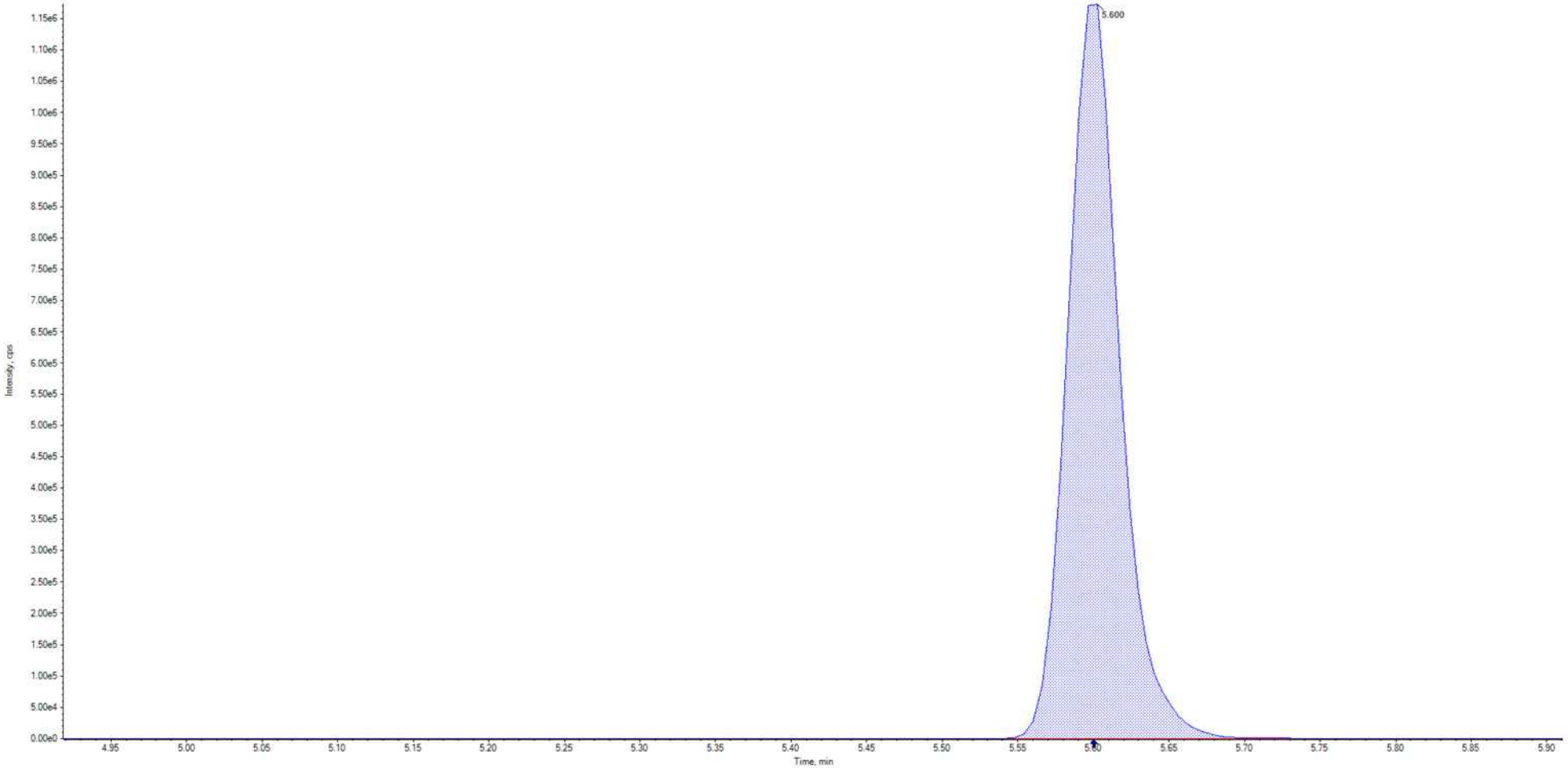
d7-NMeFOSE
Sample: IA1633STD-1.25



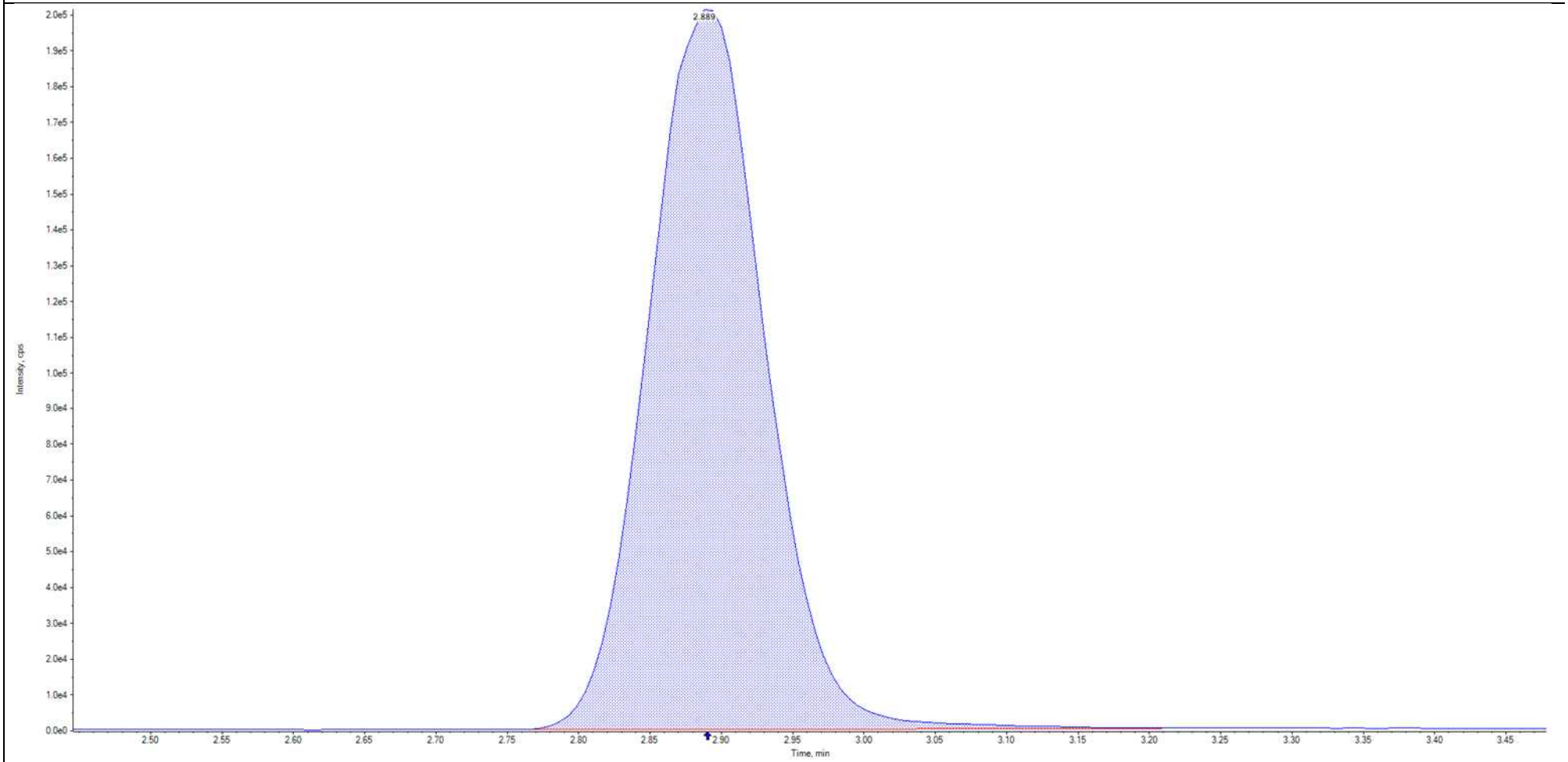
d9-NEtFOSE
Sample: IA1633STD-1.25



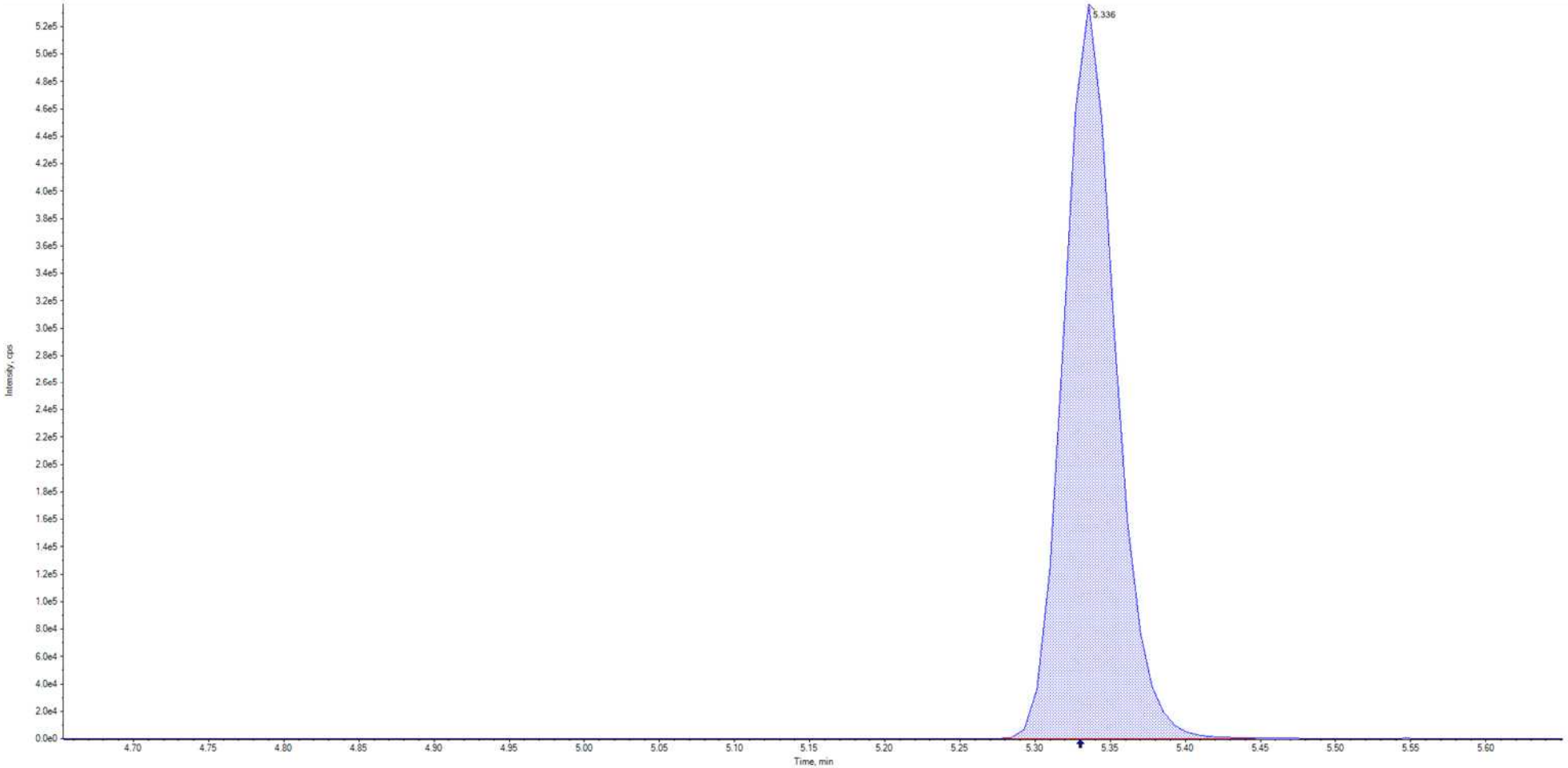
13C3-HFPO-DA
Sample: IA1633STD-1.25



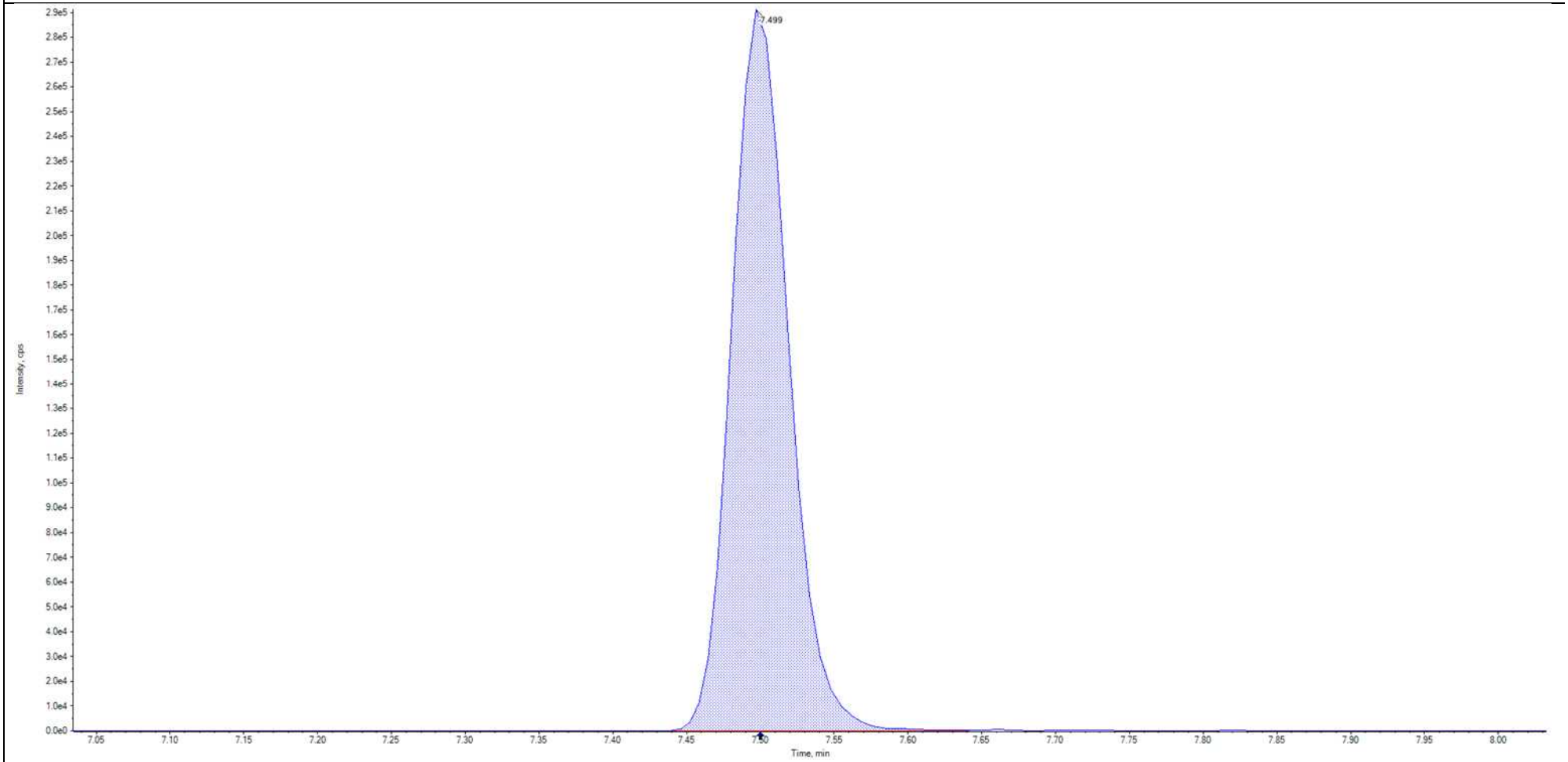
13C3-PFBA
Sample: IA1633STD-1.25



13C2-PFHxA
Sample: IA1633STD-1.25



13C4-PFOA
Sample: IA1633STD-1.25



13C5-PFNA
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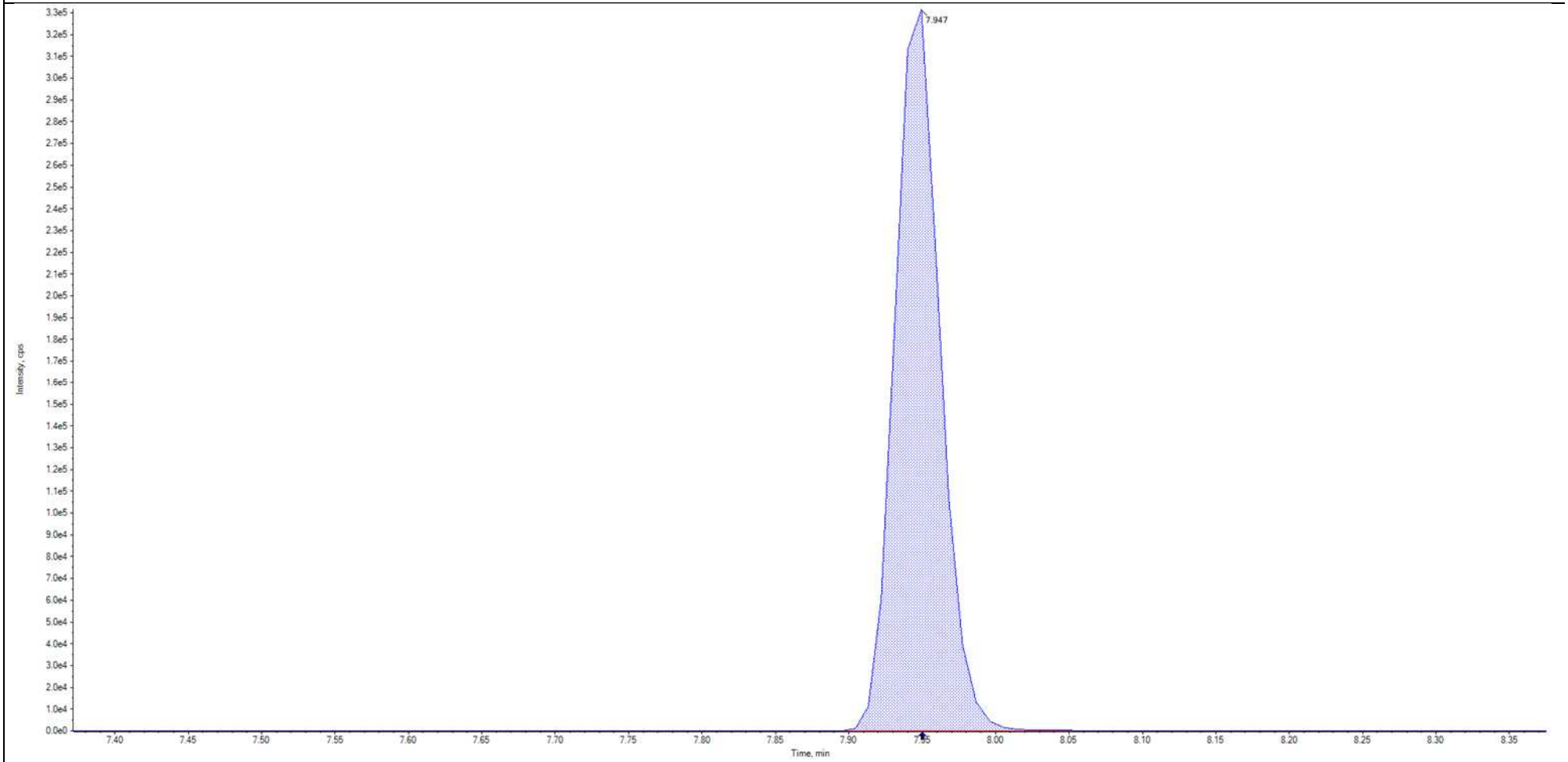
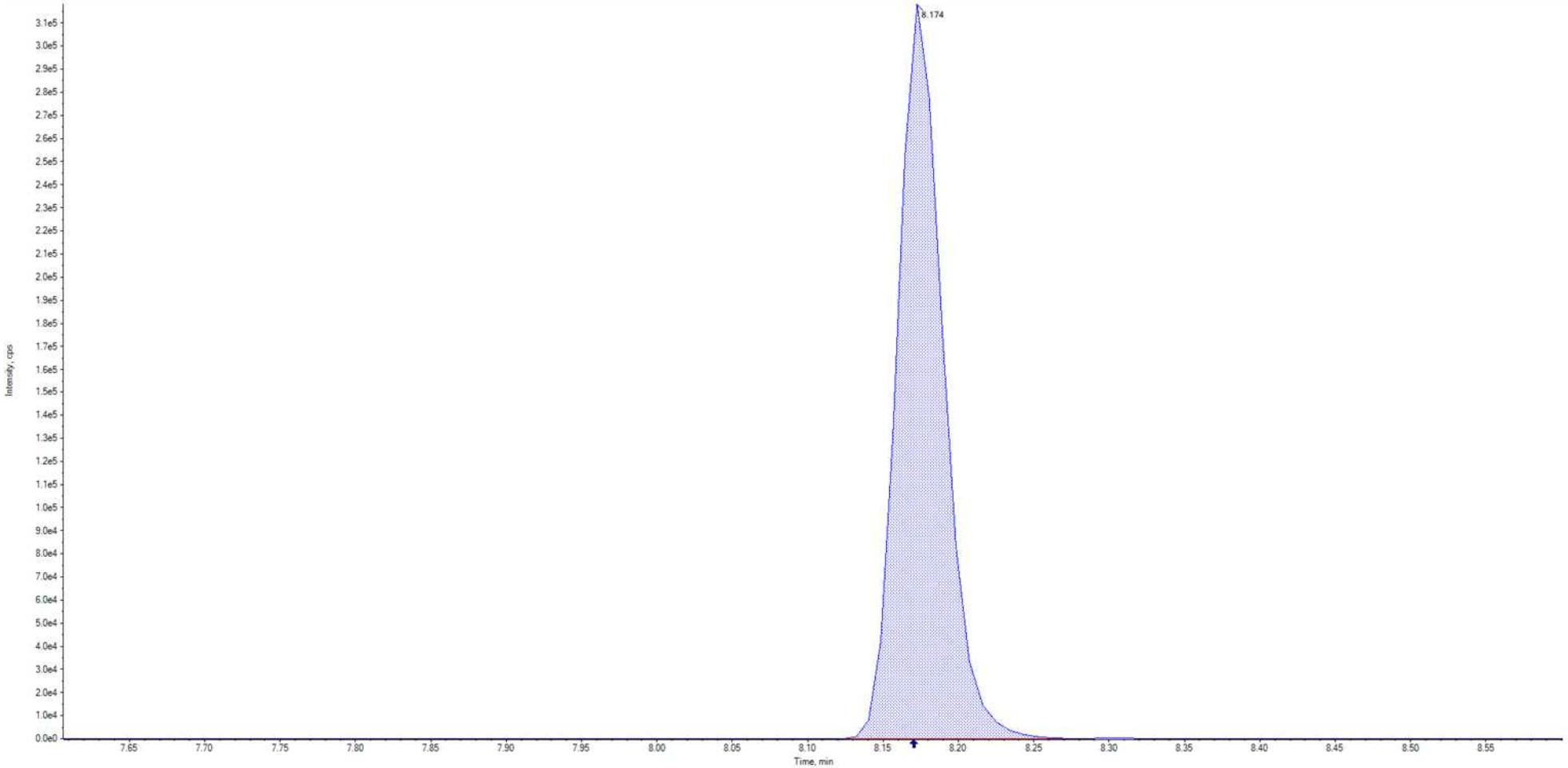
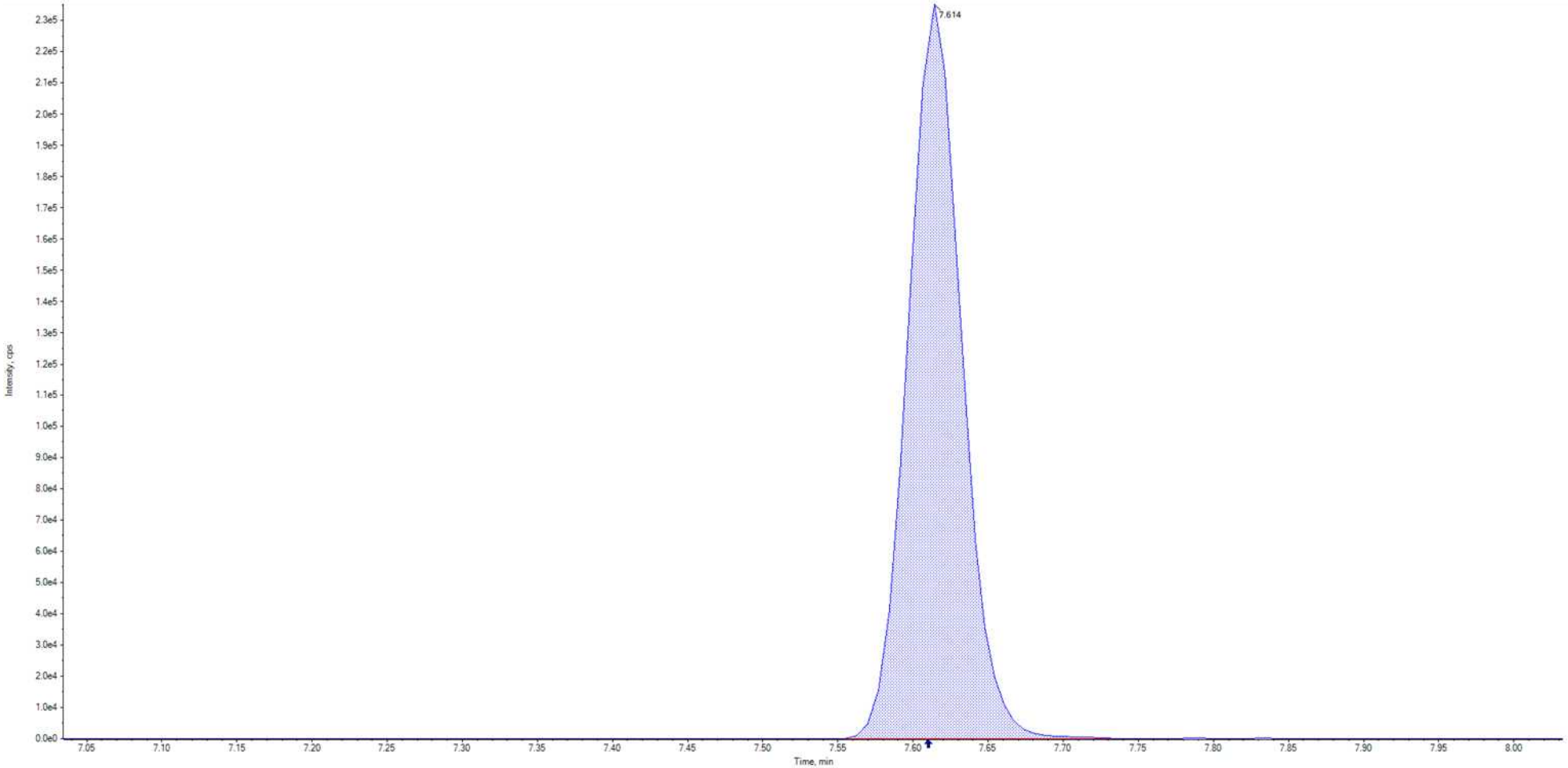


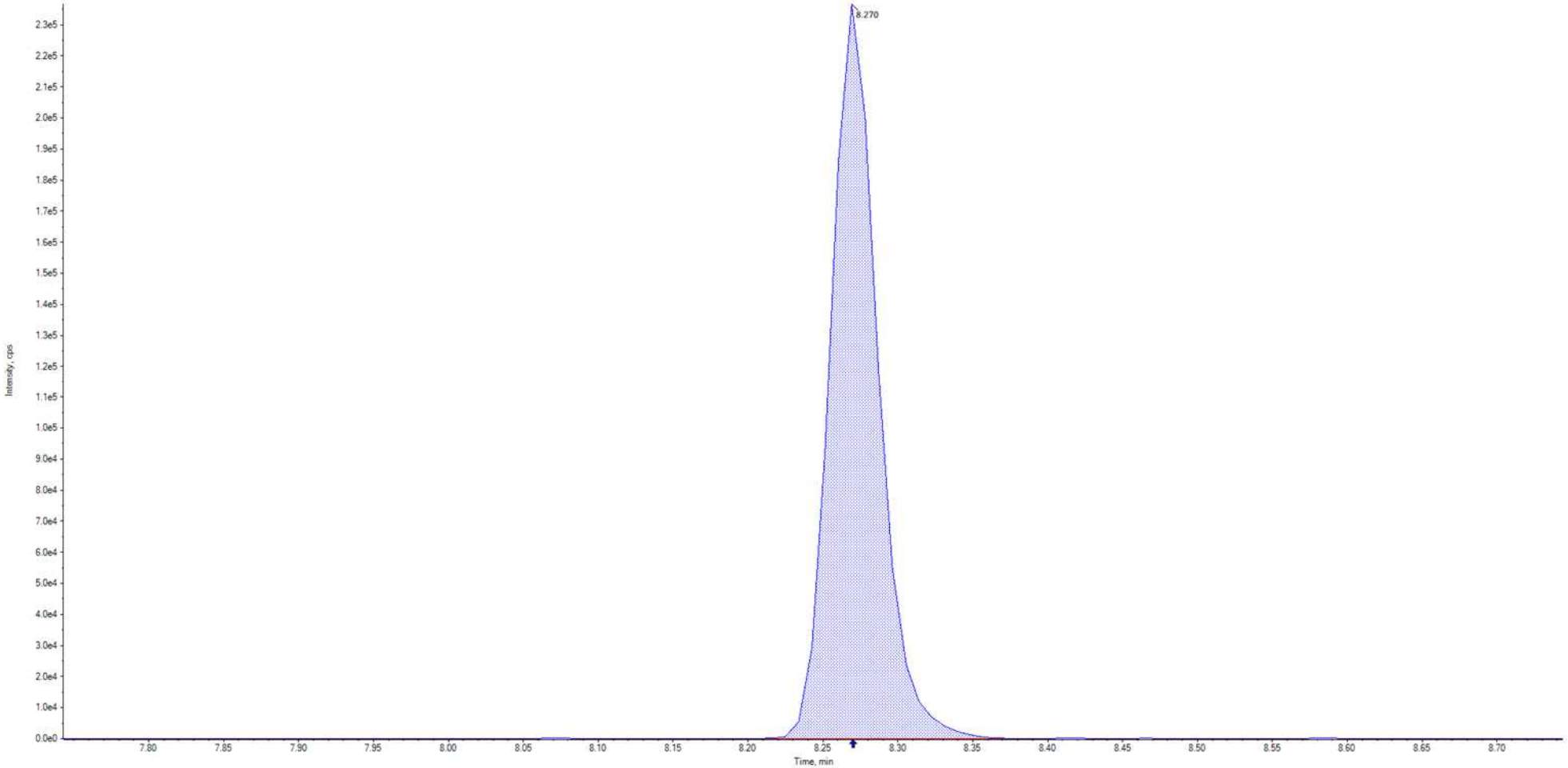
13C2-PFDA
Sample: IA1633STD-1.25



18O2-PFHxS
Sample: IA1633STD-1.25



13C4-PFOS
Sample: IA1633STD-1.25



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-2.5
Name: SCI05_240813_75.wiff
Date & Time: 2024-08-13T22:41:23
Description: WG1958909,,,25 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.90	213.0 / 169.0	2162387		9.947	N/A	N/A	N/A	99.5
2	PFPeA	2706-90-3	4.65	263.0 / 219.0	1580428		5.038	0.007	0.007	N/A	100.8
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	10709		4.834	0.007	0.007	N/A	96.7
4	PFHxA	307-24-4	5.34	313.0 / 269.0	1354168		2.604	0.072	0.072	Pass	104.2
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	98060		2.552	0.072	0.072	Pass	102.1
6	PFHpA	375-85-9	6.25	363.1 / 319.0	1316642		2.551	0.297	0.297	Pass	102.0
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	390701		2.474	0.297	0.297	Pass	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	762266	M5	2.268	0.586	0.586	Pass	90.7
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	446873	M7	2.427	0.586	0.586	Pass	97.1
10	PFNA	375-95-1	7.95	462.8 / 418.9	1108082	M5	2.632	0.313	0.313	Pass	105.3
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	347374	M7	2.700	0.313	0.313	Pass	108.0
12	PFDA	335-76-2	8.18	513.1 / 469.1	1298863		2.600	0.142	0.142	Pass	104.0
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	184274		2.461	0.142	0.142	Pass	98.5
14	PFUnA	2058-94-8	8.48	563.1 / 519.1	954021		2.537	0.194	0.194	Pass	101.5
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	184873		2.538	0.194	0.194	Pass	101.5
16	PFDoA	307-55-1	8.91	613.1 / 569.1	1010590		2.665	0.167	0.167	Pass	106.6
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	168406	M7	2.629	0.167	0.167	Pass	105.2
18	PFTrDA	72629-94-8	9.51	663.1 / 619.1	588063		2.602	0.228	0.228	Pass	104.1
19	PFTrDA_2	72629-94-8	9.51	663.1 / 169.0	134166		2.666	0.228	0.228	Pass	106.6
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	1023758		2.564	0.137	0.137	Pass	102.6
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	140417		2.571	0.137	0.137	Pass	102.8
22	PFBS	375-73-5	5.32	299.1 / 80.1	786438		2.197	0.396	0.396	Pass	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	311660		2.184	0.396	0.396	Pass	98.5
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	680161		2.315	0.299	0.299	Pass	98.4
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	203357		2.295	0.299	0.299	Pass	97.6
26	PFHxS	355-46-4	7.62	399.1 / 80.1	599989	M5	2.182	0.315	0.315	Pass	95.5
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	188915	M7	2.212	0.315	0.315	Pass	96.8
28	PFHpS	375-92-8	8.02	449.1 / 80.1	649407		2.251	0.287	0.287	Pass	94.5
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	186612		2.207	0.287	0.287	Pass	92.6
30	PFOS	1763-23-1	8.28	499.1 / 80.1	668069	M5	2.175	0.238	0.238	Pass	93.8
31	PFOS_2	1763-23-1	8.28	499.1 / 99.1	159239		2.116	0.238	0.238	Pass	91.2
32	PFNS	68259-12-1	8.63	549.1 / 80.1	452953		2.297	0.301	0.301	Pass	95.5
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	136274		2.282	0.301	0.301	Pass	94.9
34	PFDS	335-77-3	9.15	599.1 / 80.1	450279		2.318	0.275	0.275	Pass	96.1
35	PFDS_2	335-77-3	9.15	599.1 / 99.1	123991		2.315	0.275	0.275	Pass	96.0
36	PFDoS	79780-39-5	10.01	699.2 / 80.1	418271		2.351	0.274	0.274	Pass	96.9
37	PFDoS_2	79780-39-5	10.01	699.2 / 99.1	114567		2.343	0.274	0.274	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	5.14	327.1 / 307.1	1152996		9.319	0.516	0.516	Pass	99.4
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	595028		8.990	0.516	0.516	Pass	95.9
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	731187		9.739	0.565	0.565	Pass	102.5
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	413179		10.175	0.565	0.565	Pass	107.1
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	910884		10.101	0.662	0.662	Pass	105.2
43	8:2FTS_2	39108-34-4	8.08	527.2 / 81.1	602827		9.855	0.662	0.662	Pass	102.7
44	PFOSA	754-91-6	9.55	498.1 / 78.1	658264	M5	2.436	0.025	0.025	Pass	97.4
45	PFOSA_2	754-91-6	9.55	498.1 / 478.0	16621	M7	2.344	0.025	0.025	Pass	93.8
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	173879	M5	2.432	1.551	1.551	Pass	97.3
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	269745	M7	2.435	1.551	1.551	Pass	97.4
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	181221	M5	2.568	1.285	1.285	Pass	102.7
49	NEtFOSA_2	4151-50-2	10.35	526.2 / 169.0	232853	M7	2.465	1.285	1.285	Pass	98.6
50	NMeFOSAA	2355-31-9	8.23	570.2 / 419.1	231441		2.512	0.700	0.700	Pass	100.5
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	162094		2.767	0.700	0.700	Pass	110.7
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	180301		2.390	0.487	0.487	Pass	95.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	87877	M7	2.531	0.487	0.487	Pass	101.2
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	2982647	M5	23.445	N/A	N/A	N/A	93.8
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	5649756	M5	25.889	N/A	N/A	N/A	103.6
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	2739320		9.873	0.464	0.464	Pass	98.7
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	1271247		9.853	0.464	0.464	Pass	98.5
58	ADONA	919005-14-4	6.72	377.1 / 251.0	5872996		9.307	0.634	0.634	Pass	98.5
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	3723629		9.120	0.634	0.634	Pass	96.5
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	6066657		9.751	0.322	0.322	Pass	104.3
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	1953306		9.641	0.322	0.322	Pass	103.1
62	11Cl-PF3OUdS	763051-92-9	9.58	630.9 / 451.0	3680248		9.365	0.331	0.331	Pass	99.1
63	11Cl-PF3OUdS_2	763051-92-9	9.58	632.9 / 452.9	1217458		9.205	0.331	0.331	Pass	97.4
64	3:3FTCA	356-02-5	4.92	241.1 / 177.1	330654		12.151	1.074	1.074	Pass	97.2
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	355004		13.026	1.074	1.074	Pass	104.2
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	6221772		65.945	0.953	0.953	Pass	105.5
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	5928139		66.404	0.953	0.953	Pass	106.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	6248141		59.488	1.558	1.558	Pass	95.2
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	9732038		63.852	1.558	1.558	Pass	102.2
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	4052494		4.491	0.087	0.087	Pass	100.9
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	350780		4.500	0.087	0.087	Pass	101.1
72	PFMPA	377-73-1	3.85	229.0 / 85.0	186580		4.913	N/A	N/A	N/A	98.3
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	2617337		5.112	N/A	N/A	N/A	102.2
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	496414		5.226	0.910	0.910	Pass	104.5
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	451759		5.188	0.910	0.910	Pass	103.8
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	972080		5.120	N/A	N/A	N/A	102.4
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3484143		2.691	N/A	N/A	N/A	107.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2680753		10.491	NA	NA	NA	104.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1701350		5.390	NA	NA	NA	107.8
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1067103		2.574	NA	NA	NA	102.9
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1101801		2.654	NA	NA	NA	106.2
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1614994		2.763	NA	NA	NA	110.5
	13C9-PFNA	EIS	7.95	472.0 / 427.0	718933		1.276	NA	NA	NA	102.1
	13C6-PFDA	EIS	8.17	519.0 / 474.0	724541		1.271	NA	NA	NA	101.7
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	594748		1.289	NA	NA	NA	103.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.91	615.1 / 570.0	364529		1.215	NA	NA	NA	97.2
	13C2-PFTeDA	EIS	9.91	715.1 / 670.1	398378		1.223	NA	NA	NA	97.8
	13C3-PFBS	EIS	5.31	302.1 / 80.1	853240		2.412	NA	NA	NA	103.5
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	688783		2.452	NA	NA	NA	103.4
	13C8-PFOS	EIS	8.27	507.1 / 80.1	747787		2.603	NA	NA	NA	108.7
	13C2-4:2FTS	EIS	5.14	329.1 / 81.1	296089		4.690	NA	NA	NA	100.0
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	217608		4.704	NA	NA	NA	98.9
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	341529		5.044	NA	NA	NA	105.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.55	506.1 / 78.1	1010787		2.647	NA	NA	NA	105.9
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	166910		2.597	NA	NA	NA	103.9
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	160654		2.558	NA	NA	NA	102.3
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	699978		4.817	NA	NA	NA	96.3
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	404655		5.298	NA	NA	NA	106.0
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1289212		25.969	NA	NA	NA	103.9
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1859032		25.399	NA	NA	NA	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	3026681		11.015	NA	NA	NA	110.1
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1117752		5.228	NA	NA	NA	104.6
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1231115		2.514	NA	NA	NA	100.6
	13C4-PFOA	NIS	7.50	417.0 / 372.0	764758		2.443	NA	NA	NA	97.7
	13C5-PFNA	NIS	7.95	468.0 / 423.0	686184		1.253	NA	NA	NA	100.2
	13C2-PFDA	NIS	8.17	515.1 / 470.1	669739		1.307	NA	NA	NA	104.6
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	571036		2.437	NA	NA	NA	102.8
	13C4-PFOS	NIS	8.27	503.1 / 80.1	508107		2.413	NA	NA	NA	100.8

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
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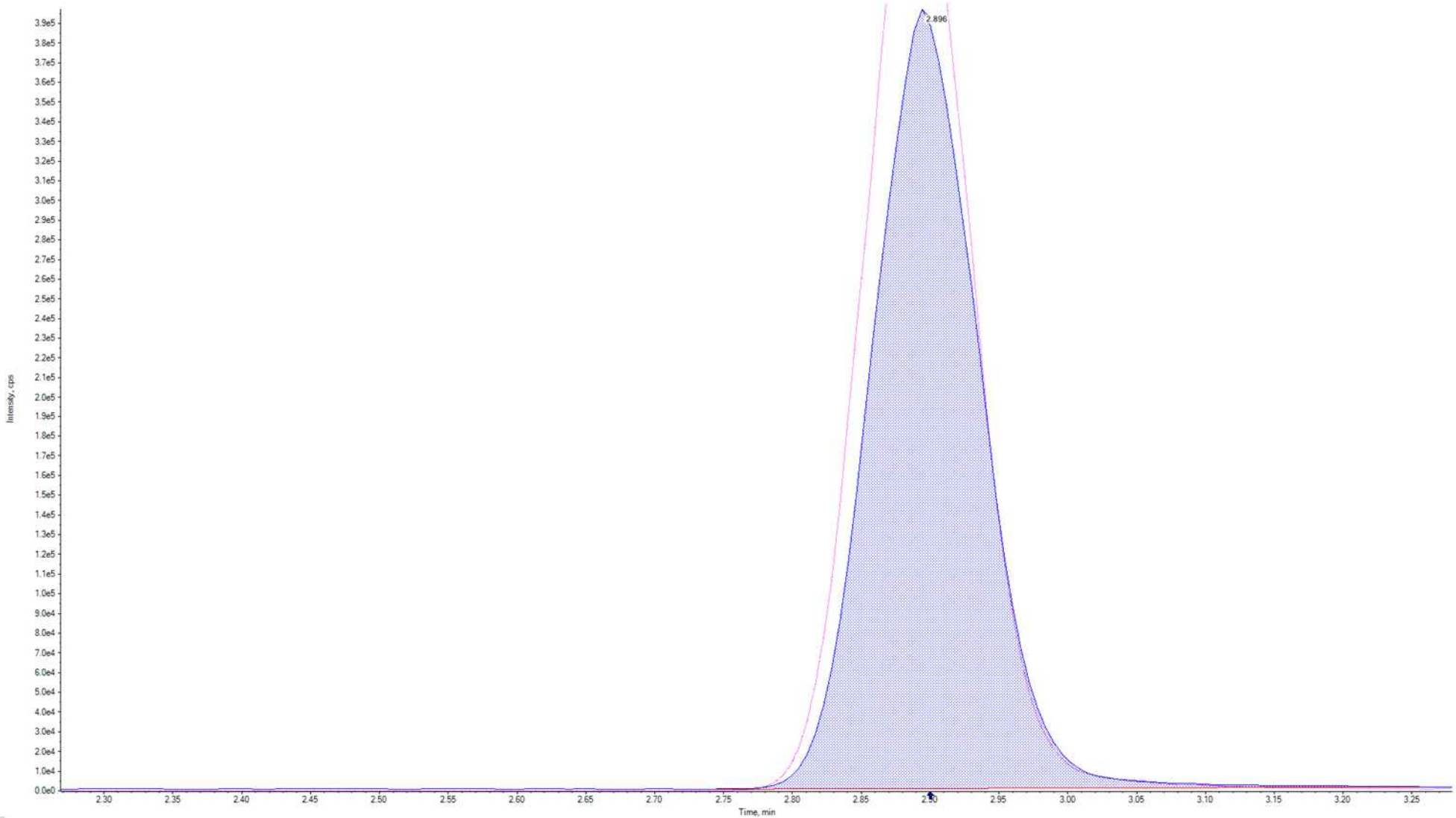
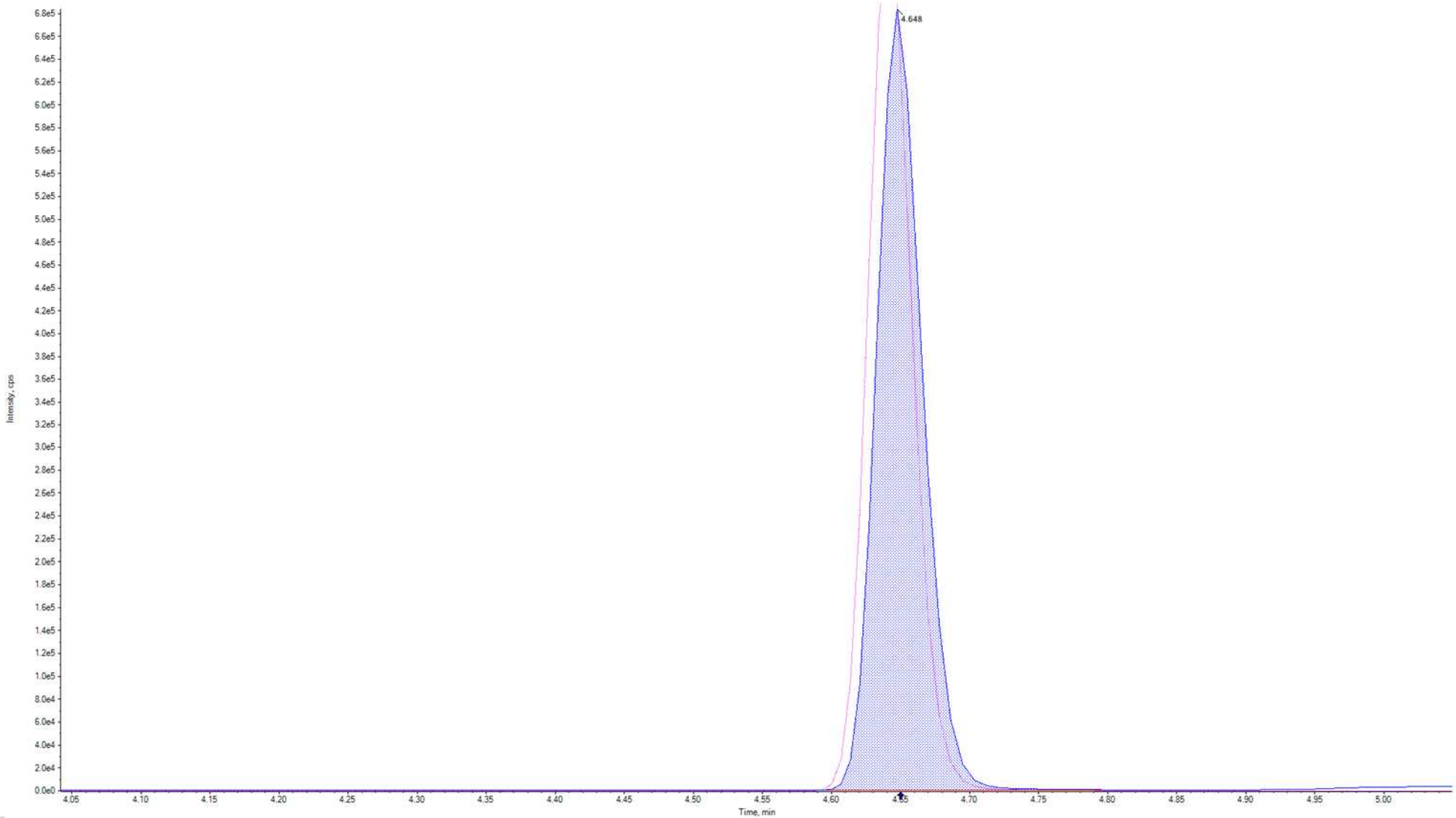
PFBA
Sample: IA1633STD-2.5 S/N:2016.8 Points Across peak:83



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-2.5 S/N:1993.1 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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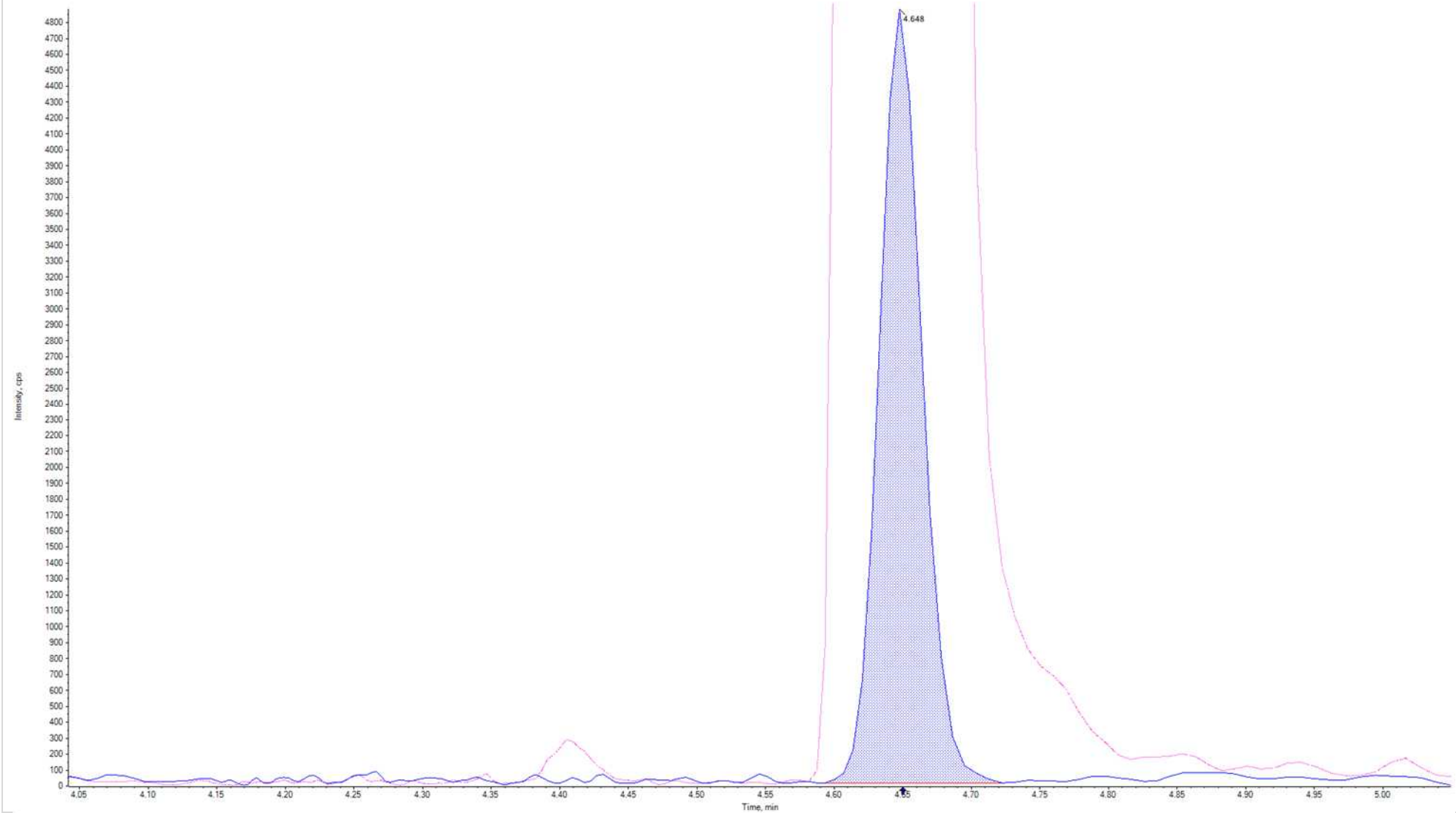
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-2.5 S/N:740.2 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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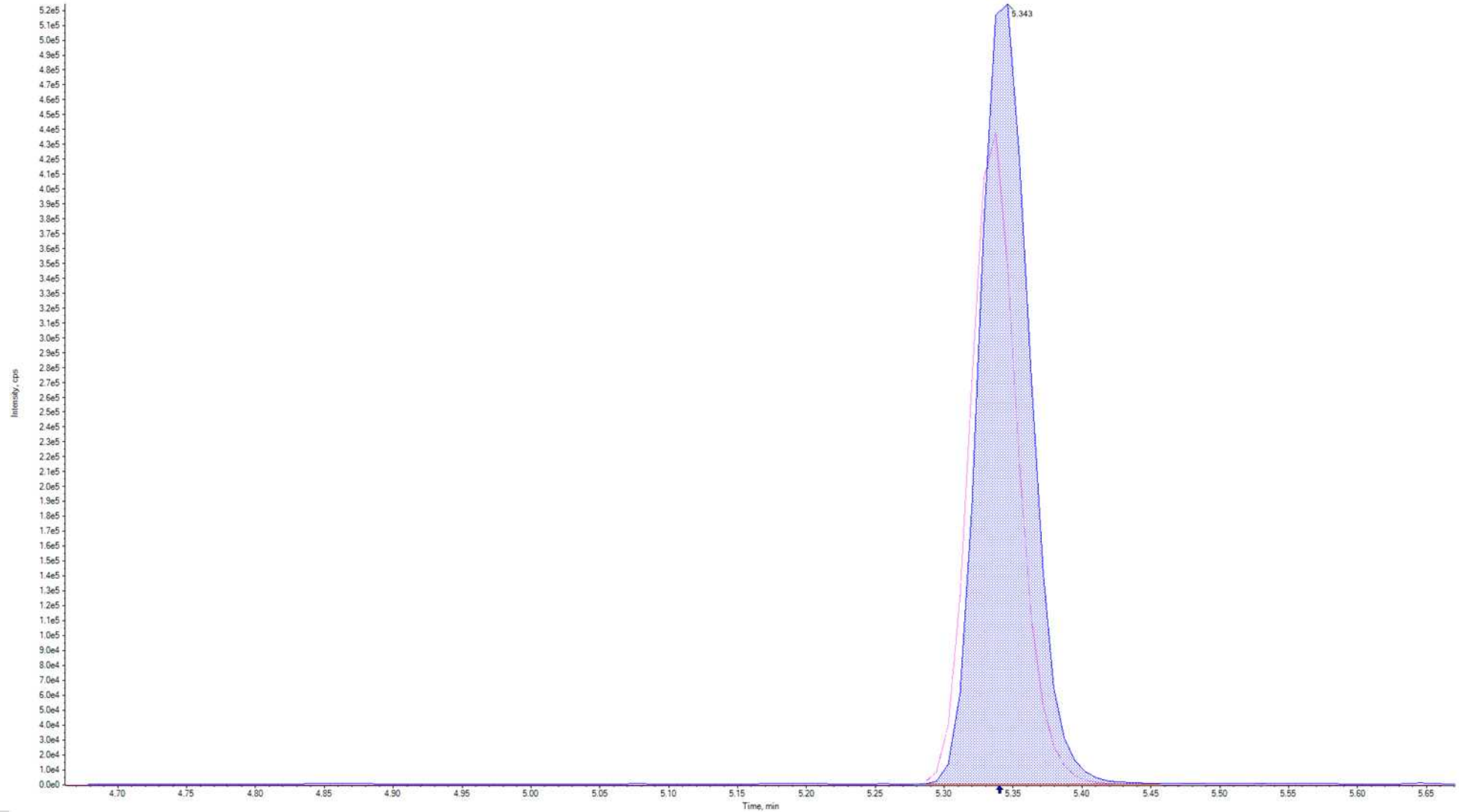
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-2.5 S/N:1122.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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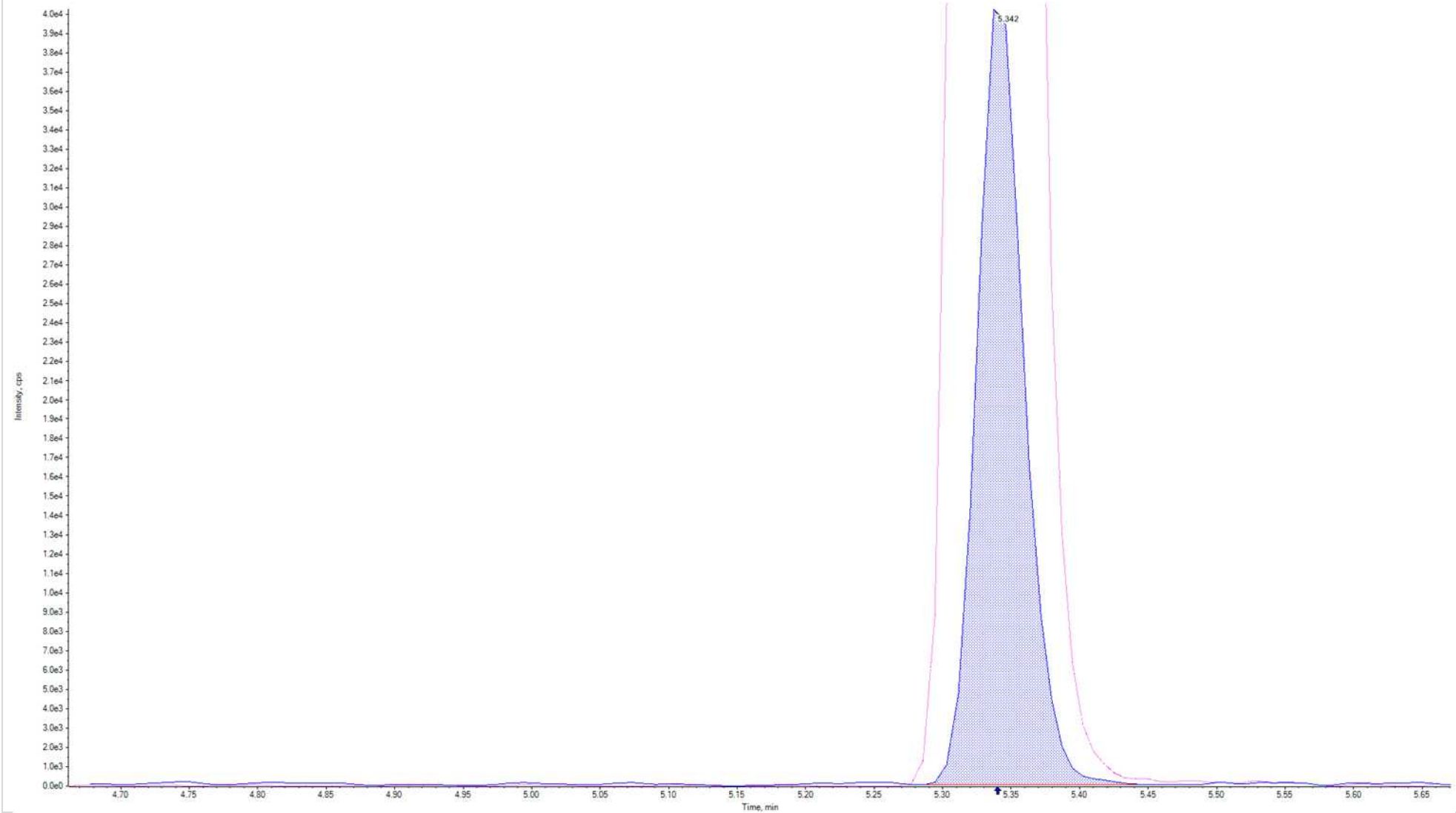
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-2.5 S/N:1469.4 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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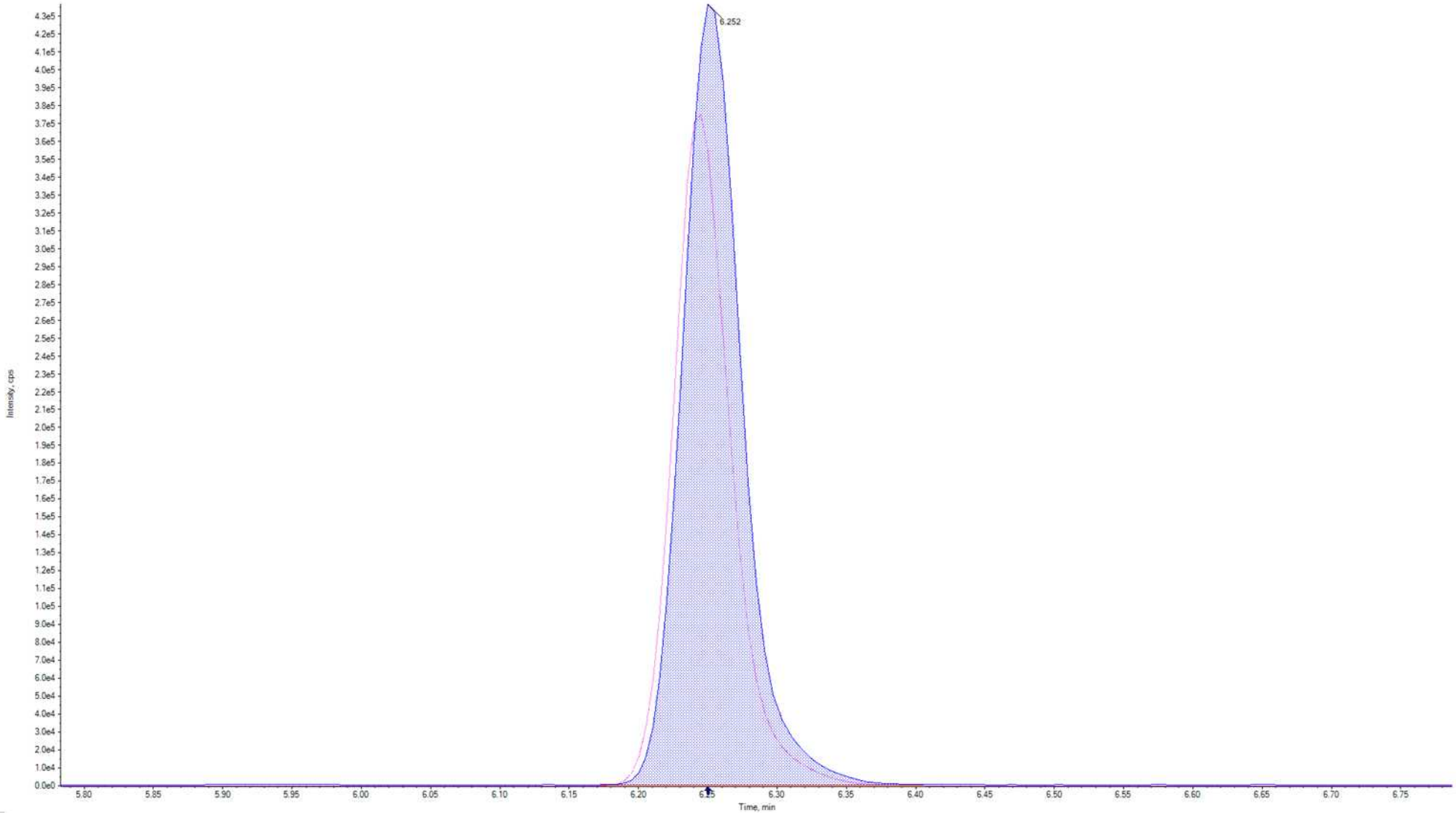
Generated: 8/14/2024 6:27:11 AM

PFHpA
Sample: IA1633STD-2.5 S/N:2287.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 8/14/2024 10:41:29 AM
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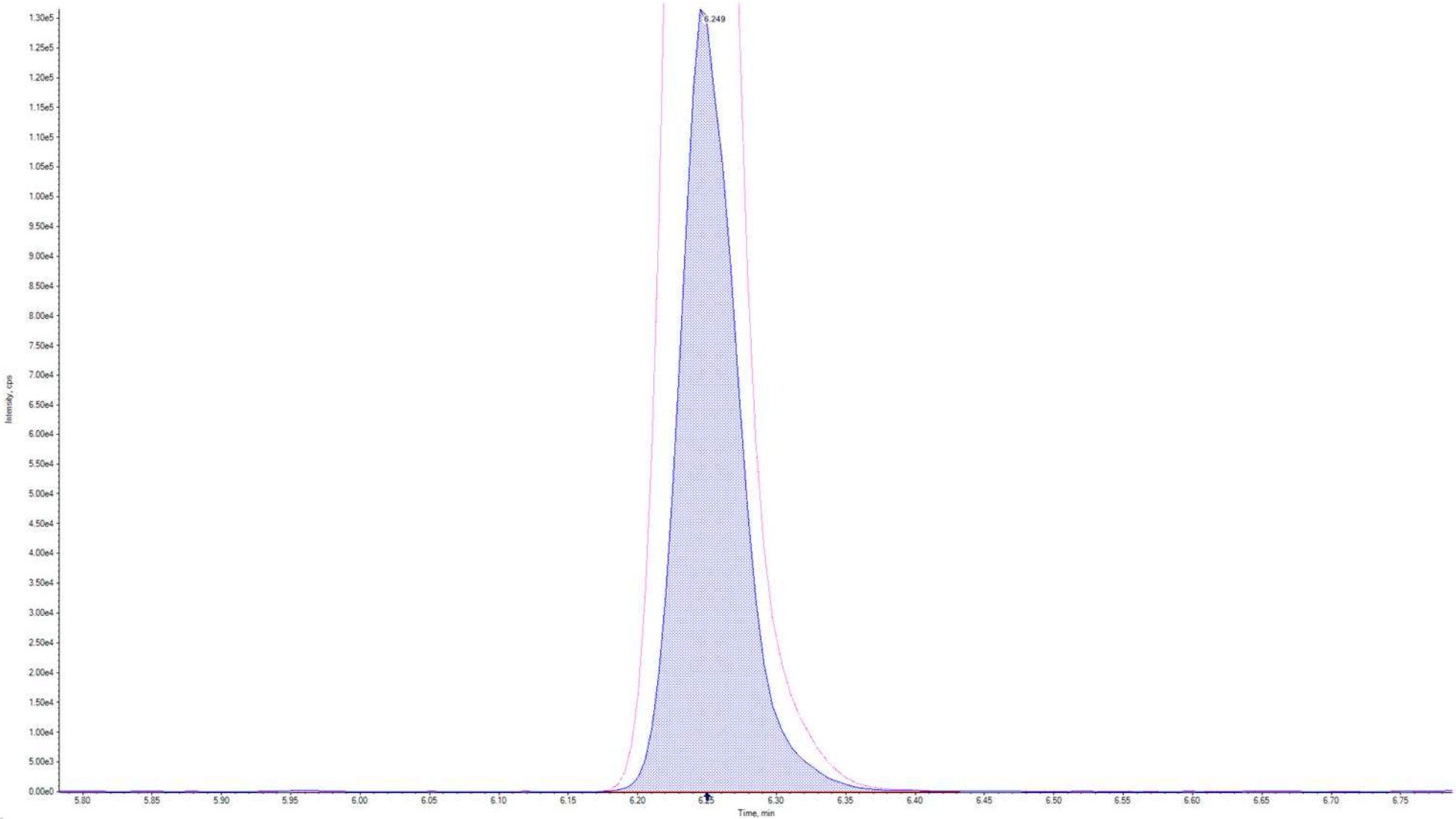
PFHpA_2
Sample: IA1633STD-2.5 S/N:7427.7 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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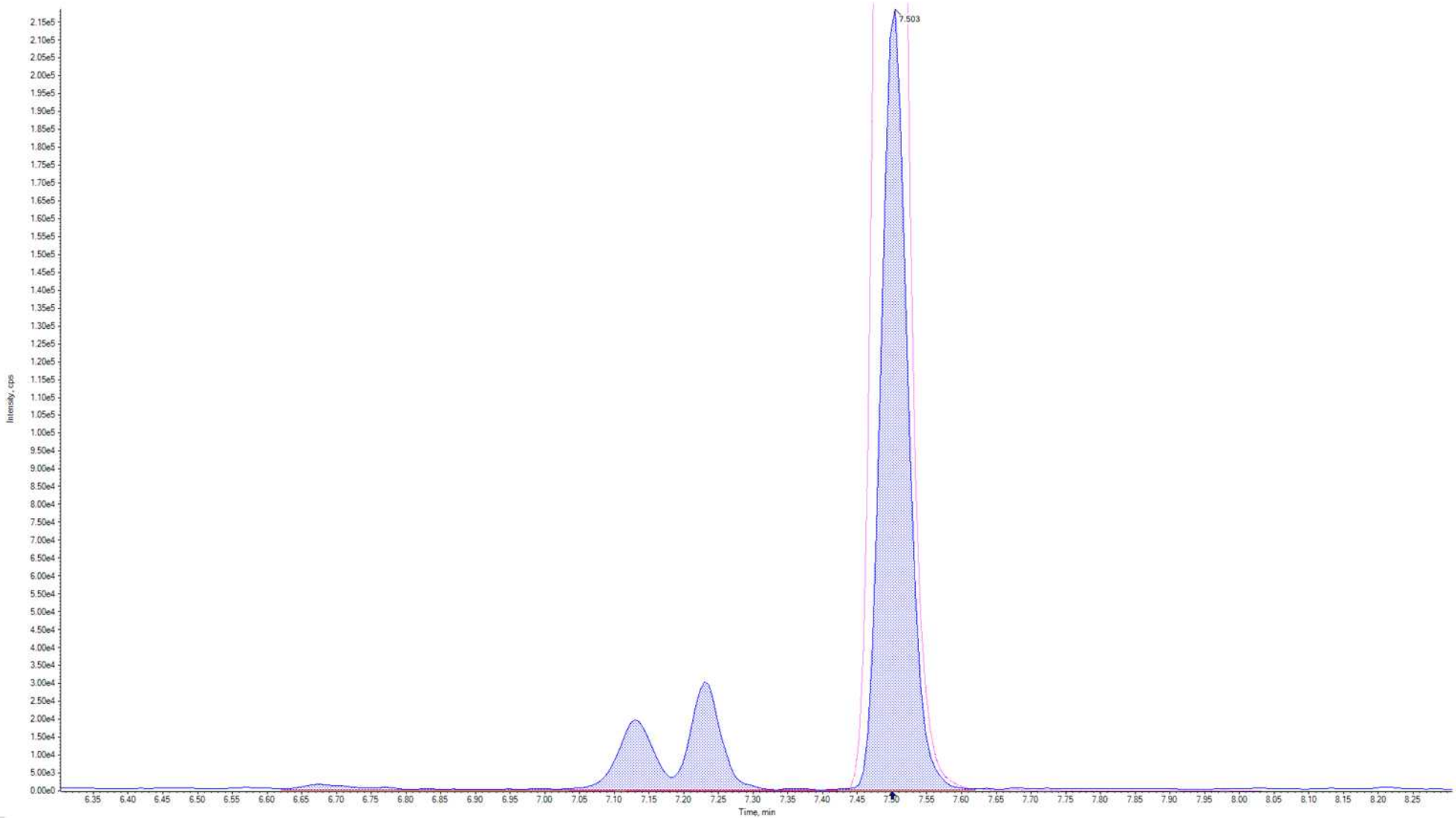
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-2.5 S/N:1608.3 Points Across peak:153



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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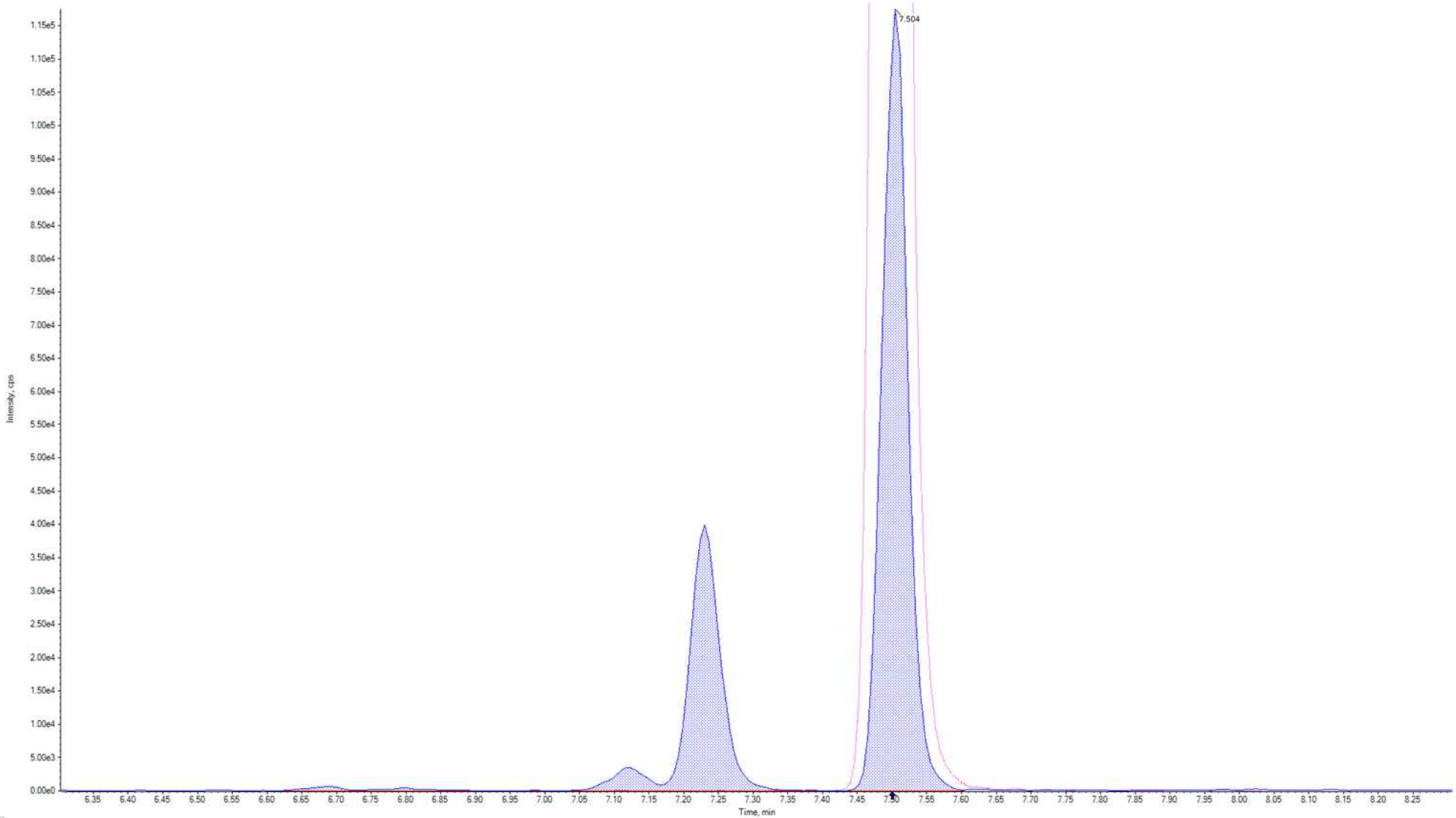
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-2.5 S/N:33021.9 Points Across peak:152



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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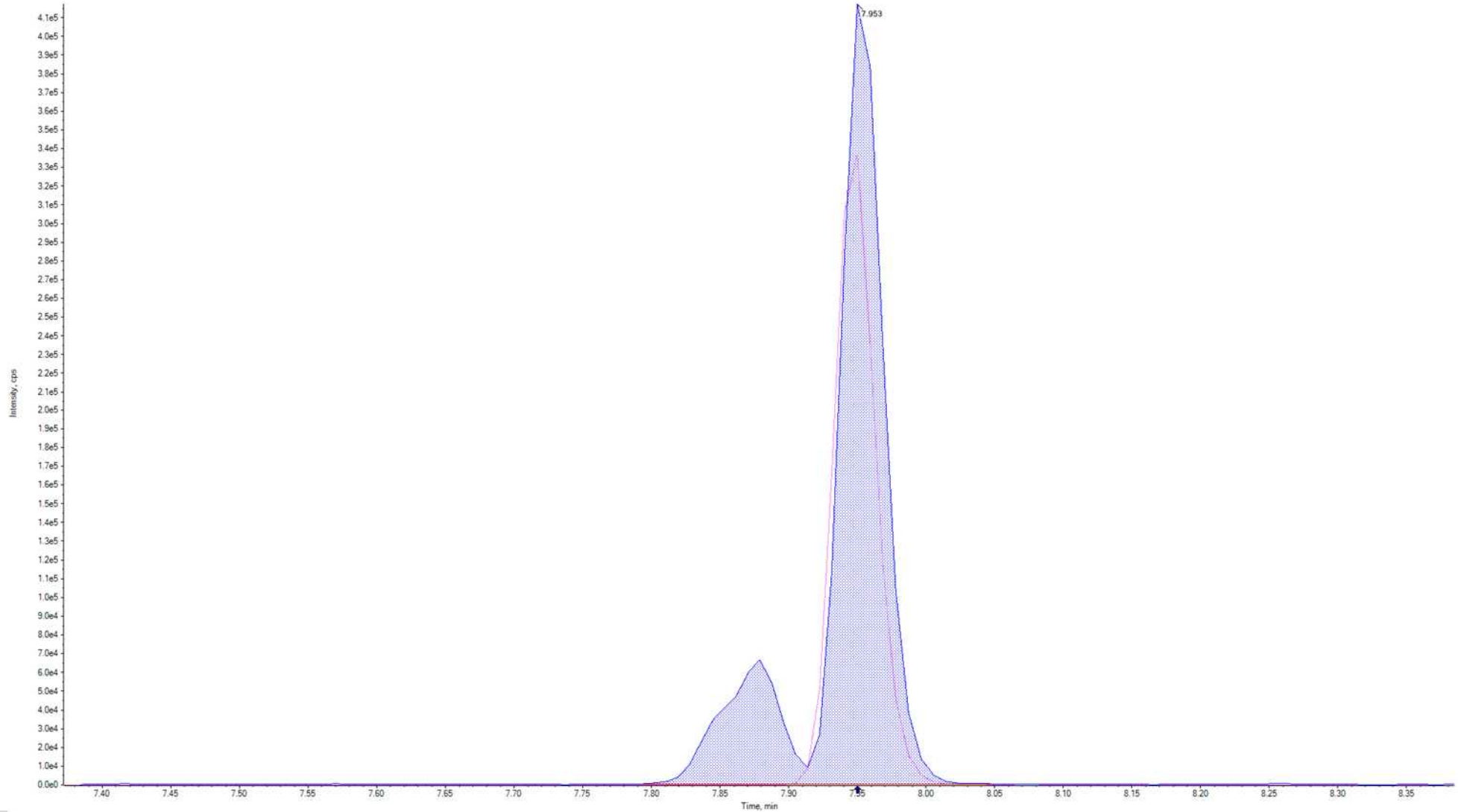
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-2.5 S/N:1389.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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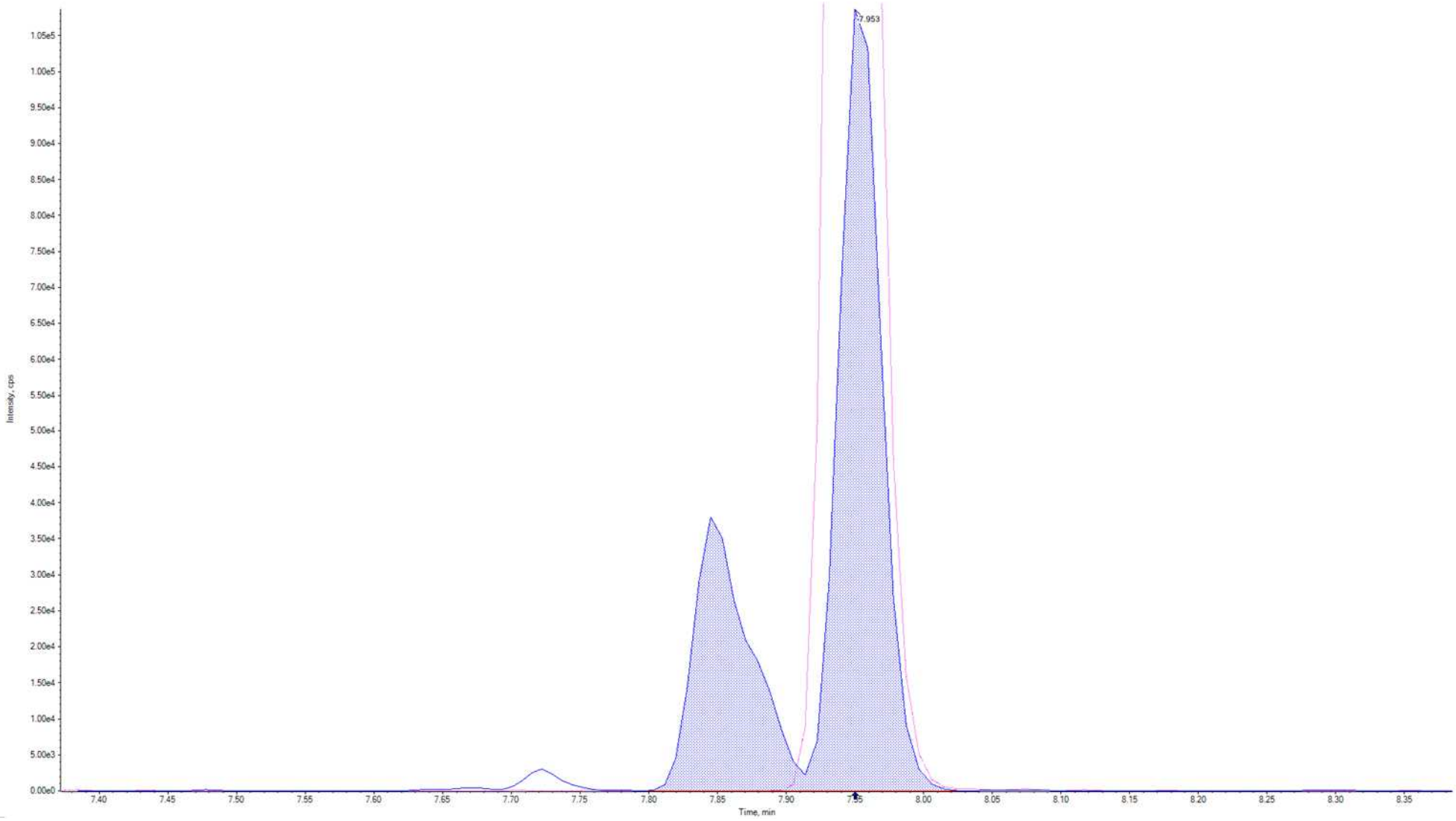
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-2.5 S/N:851.3 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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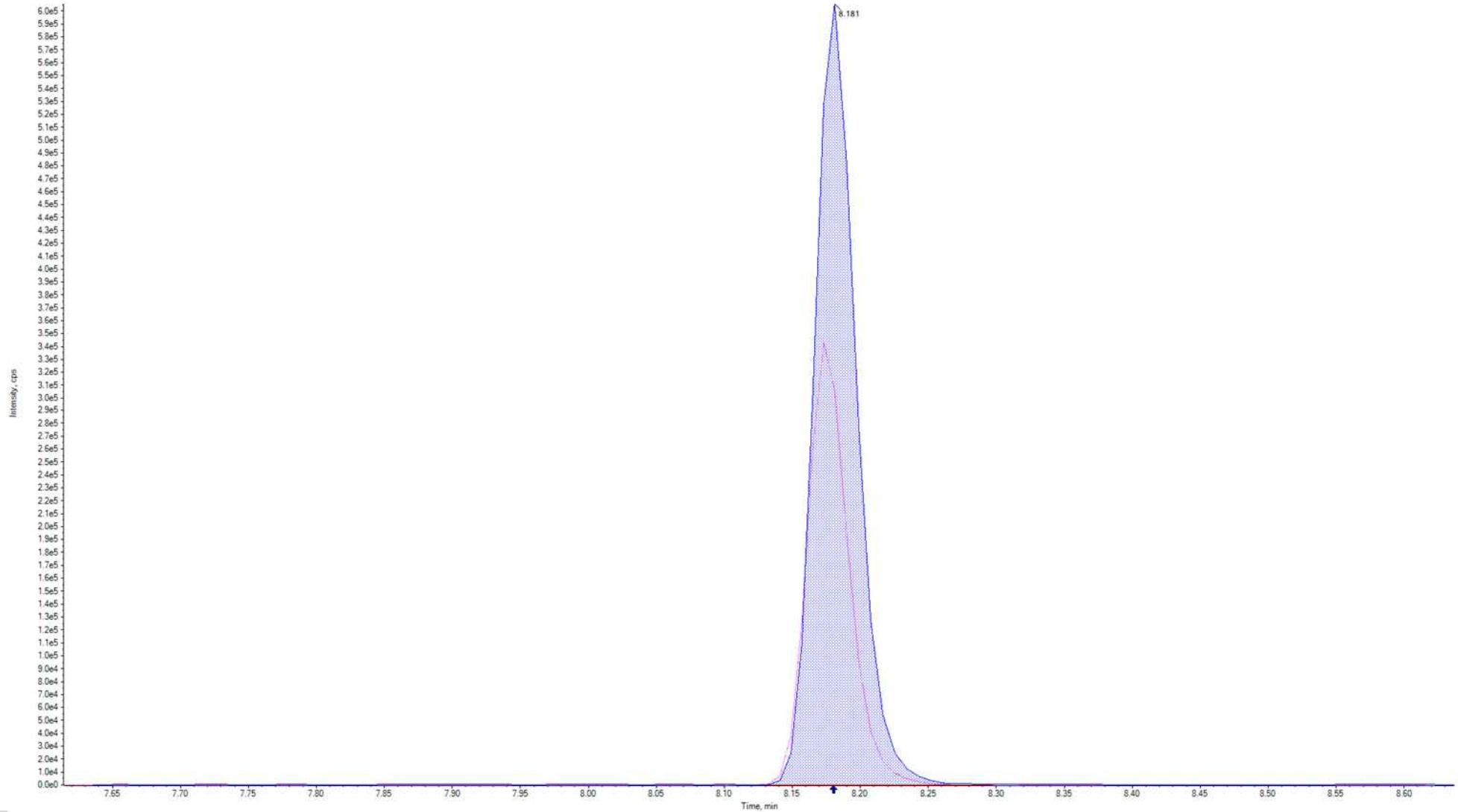
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-2.5 S/N:3530.9 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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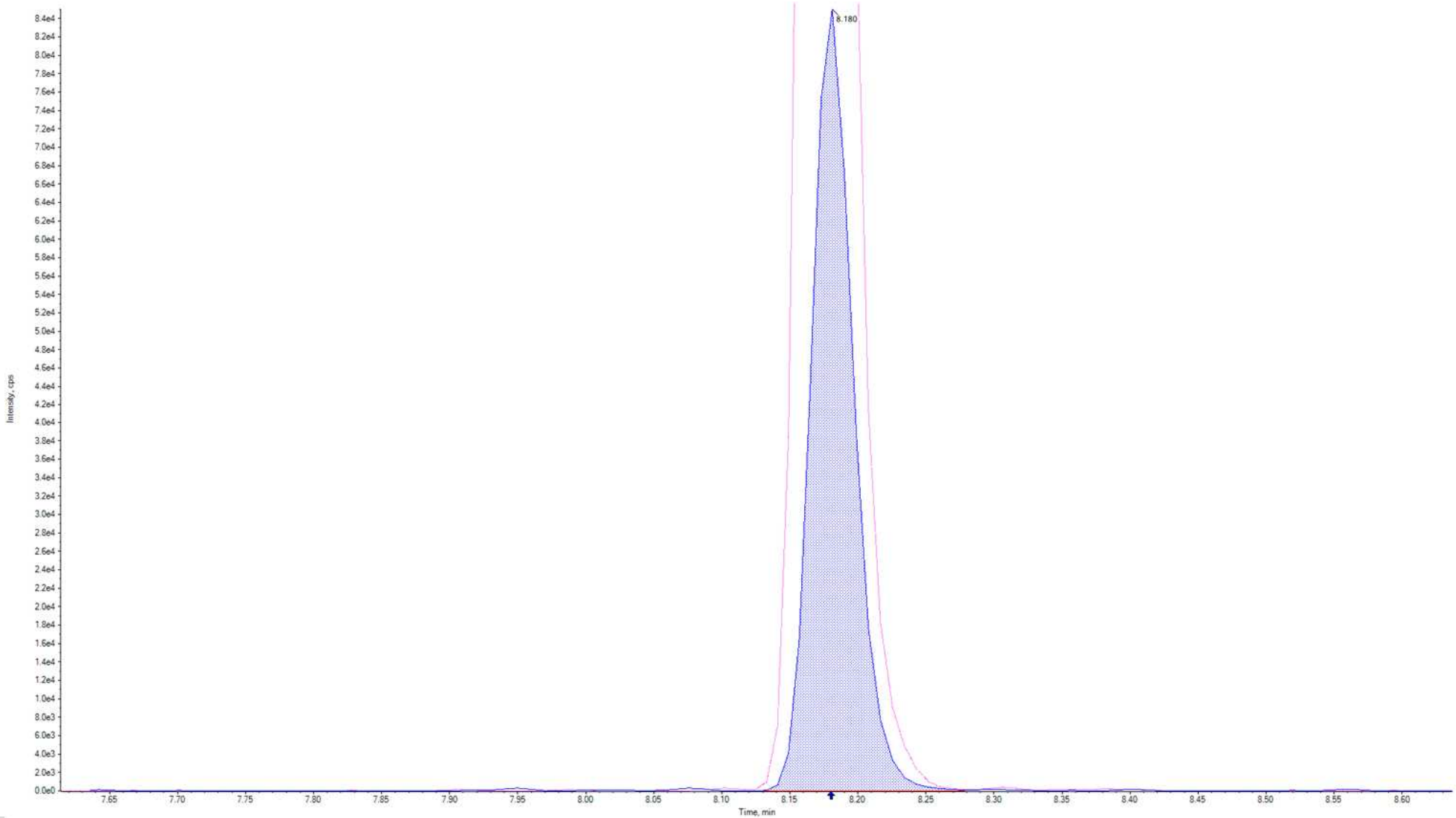
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-2.5 S/N:1863.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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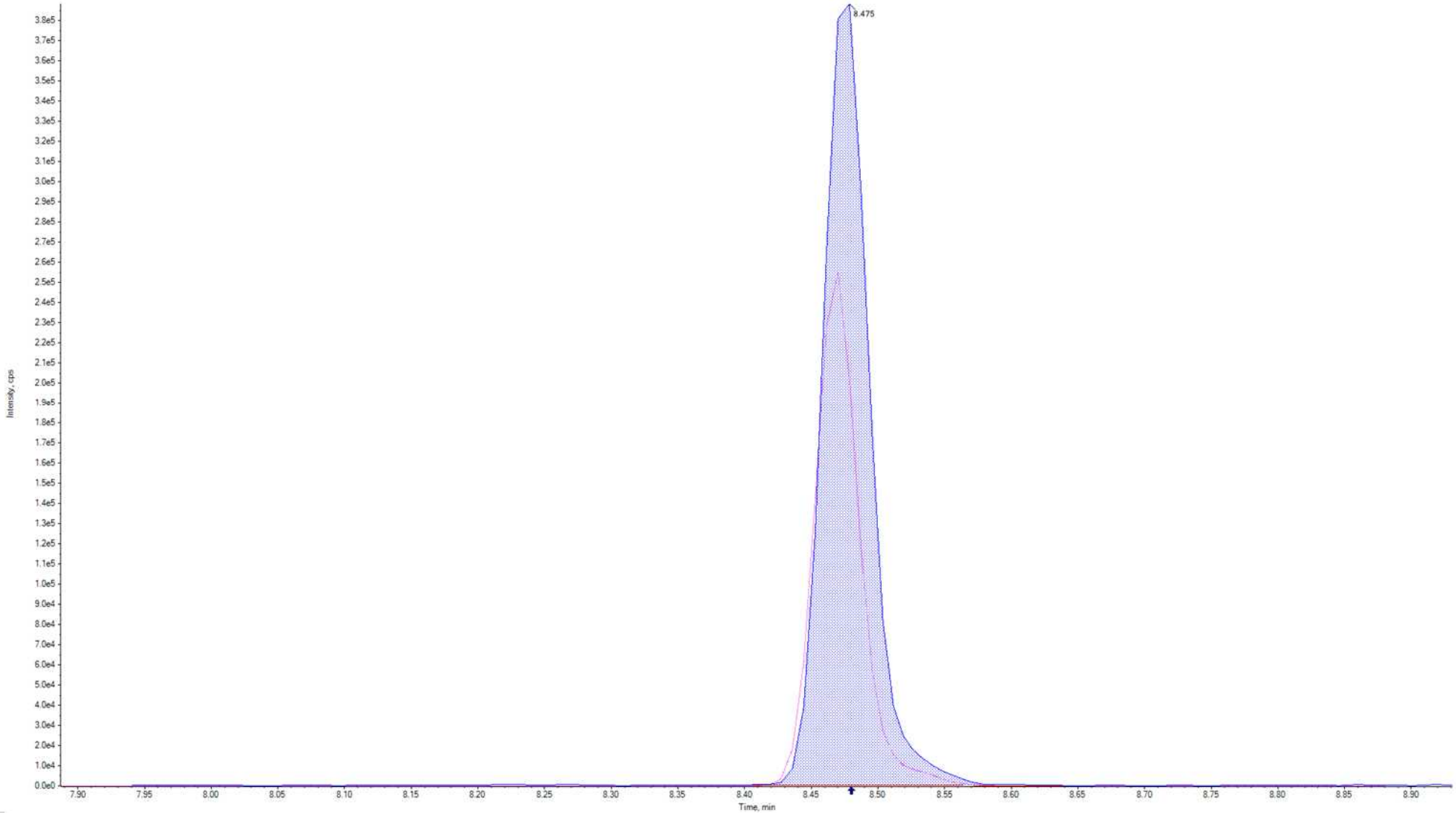
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-2.5 S/N:2597.4 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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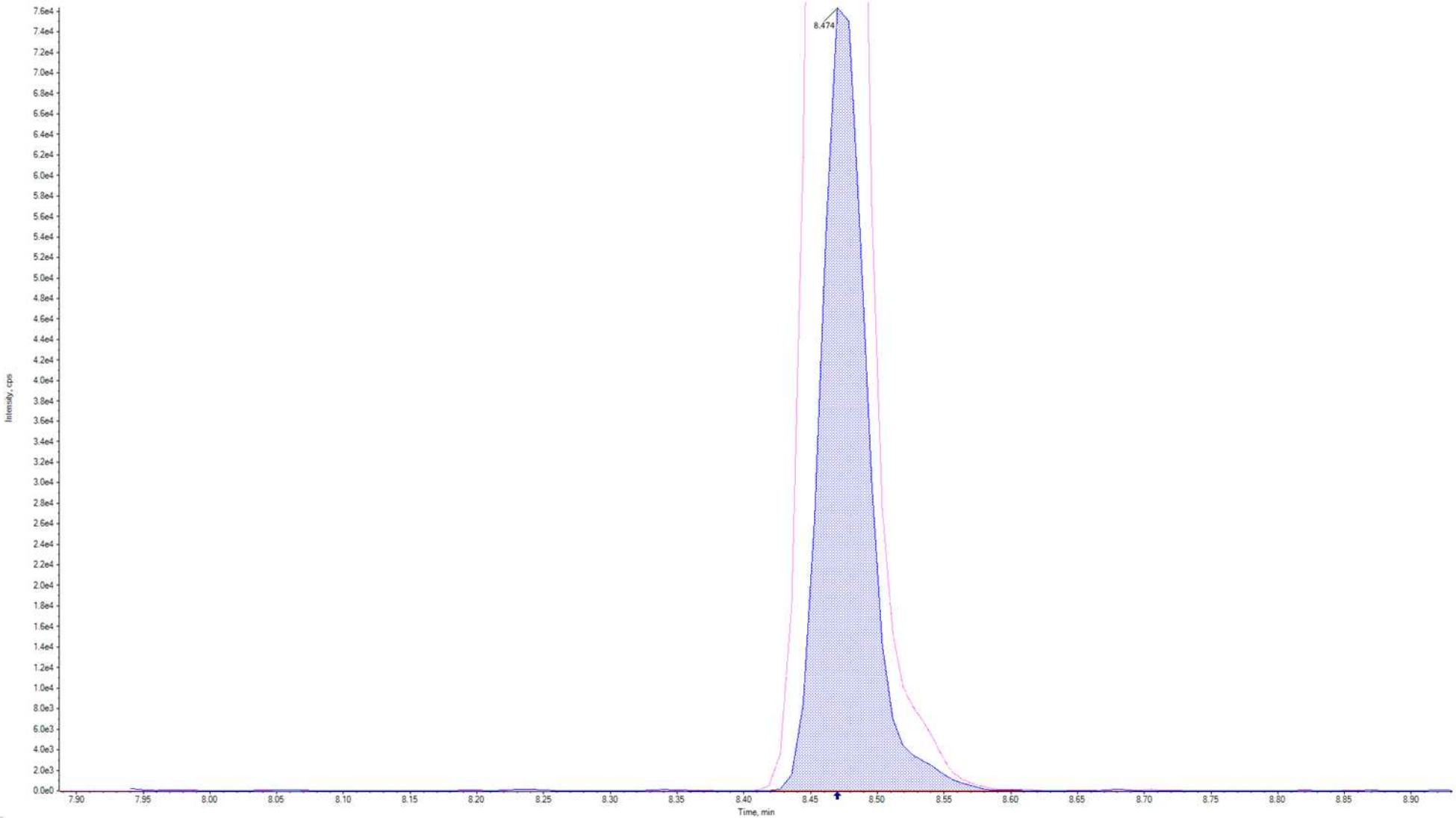
PFUnA_2
Sample: IA1633STD-2.5 S/N:2133.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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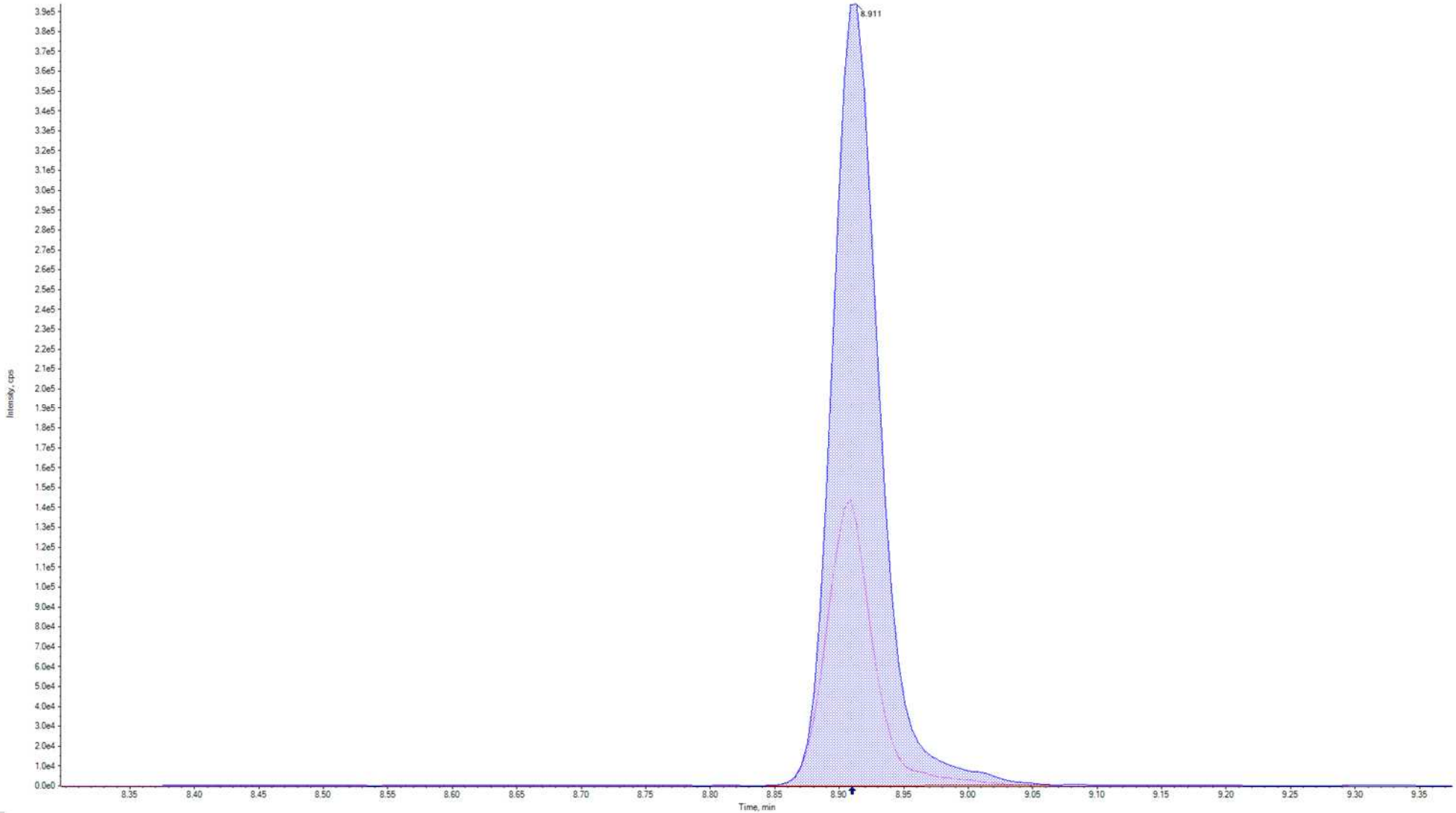
Generated: 8/14/2024 6:27:11 AM

PFDoA
Sample: IA1633STD-2.5 S/N:4572.2 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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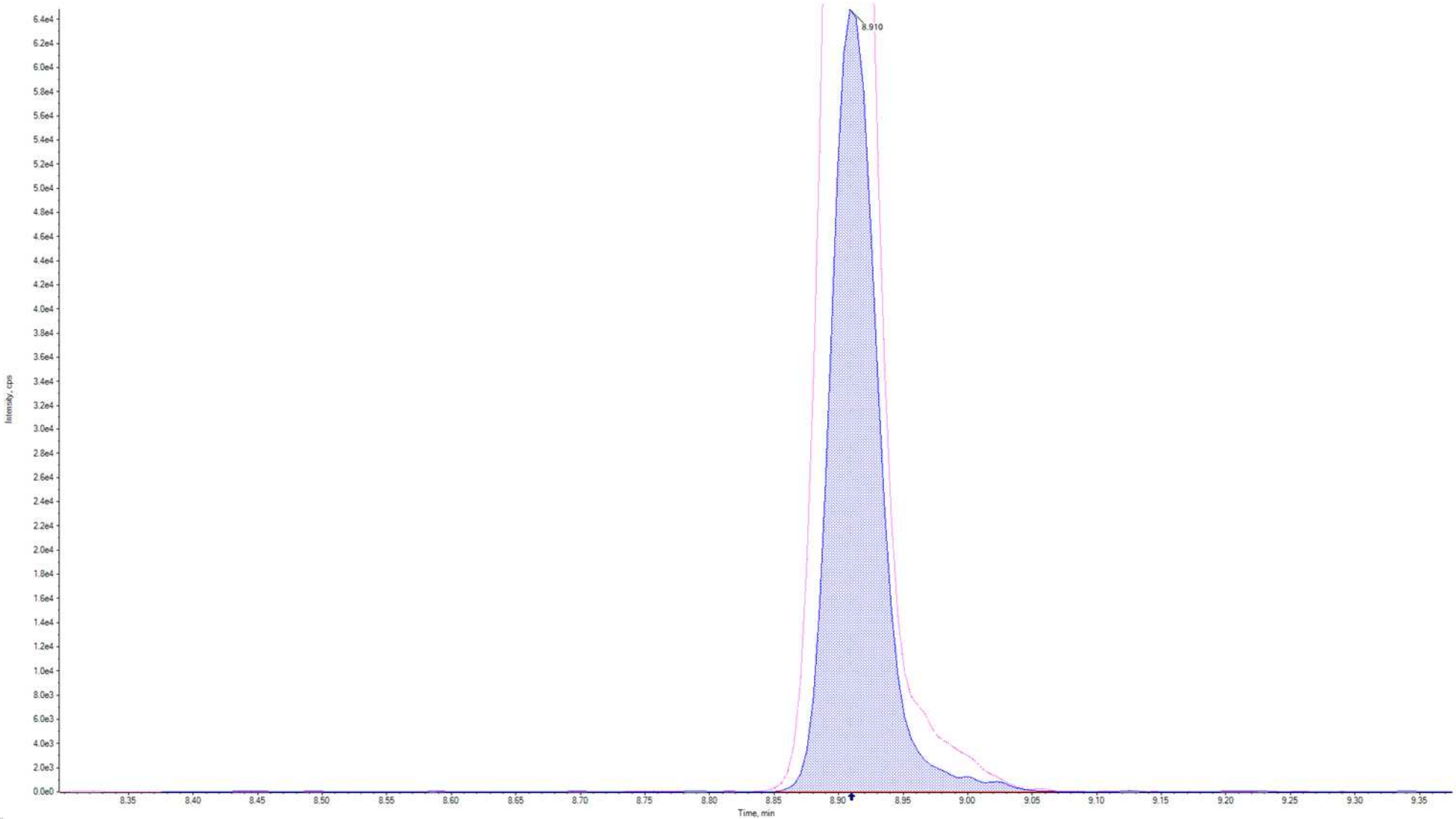
PFDoA_2
Sample: IA1633STD-2.5 S/N:81457.4 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFTrDA
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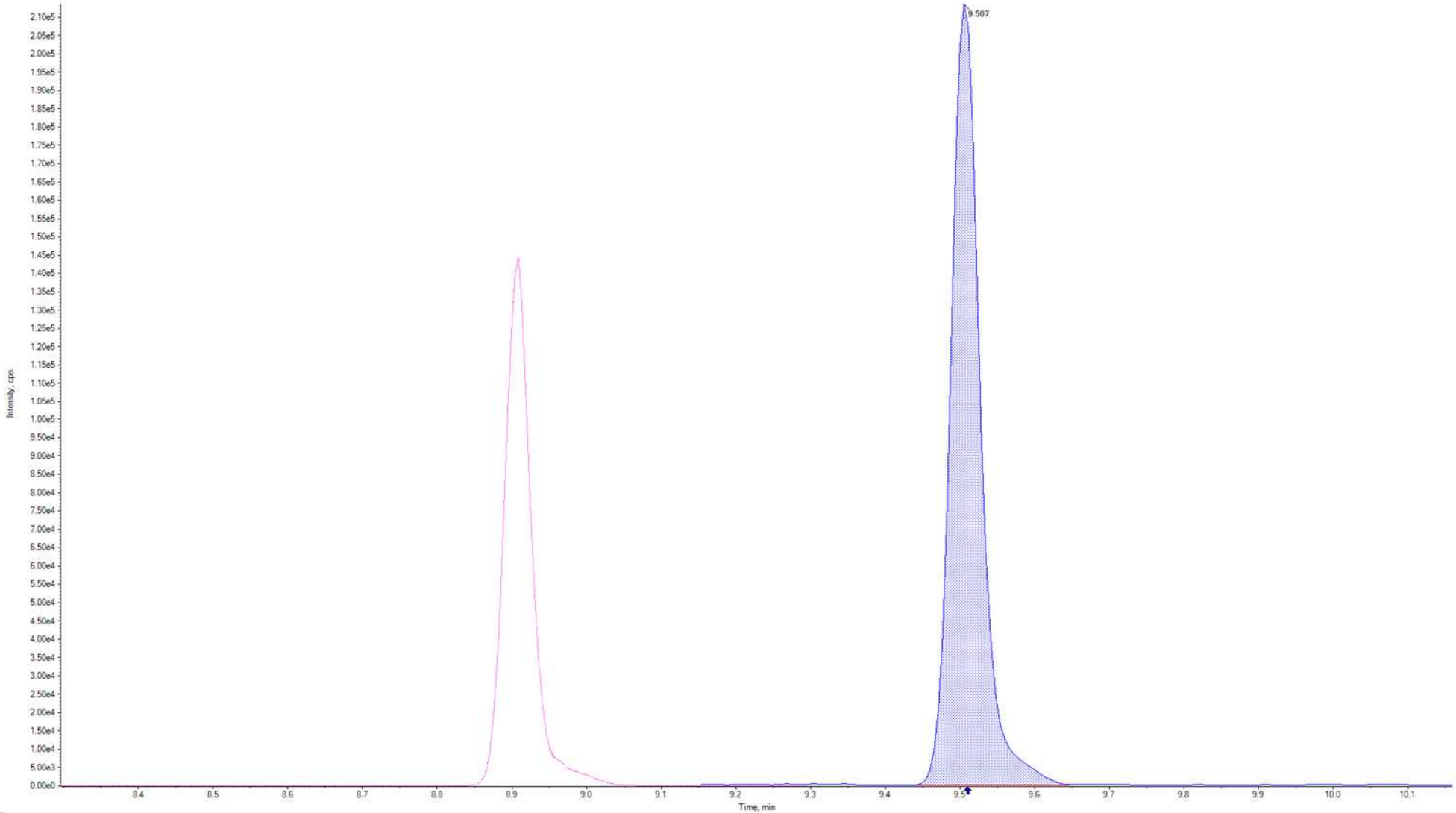

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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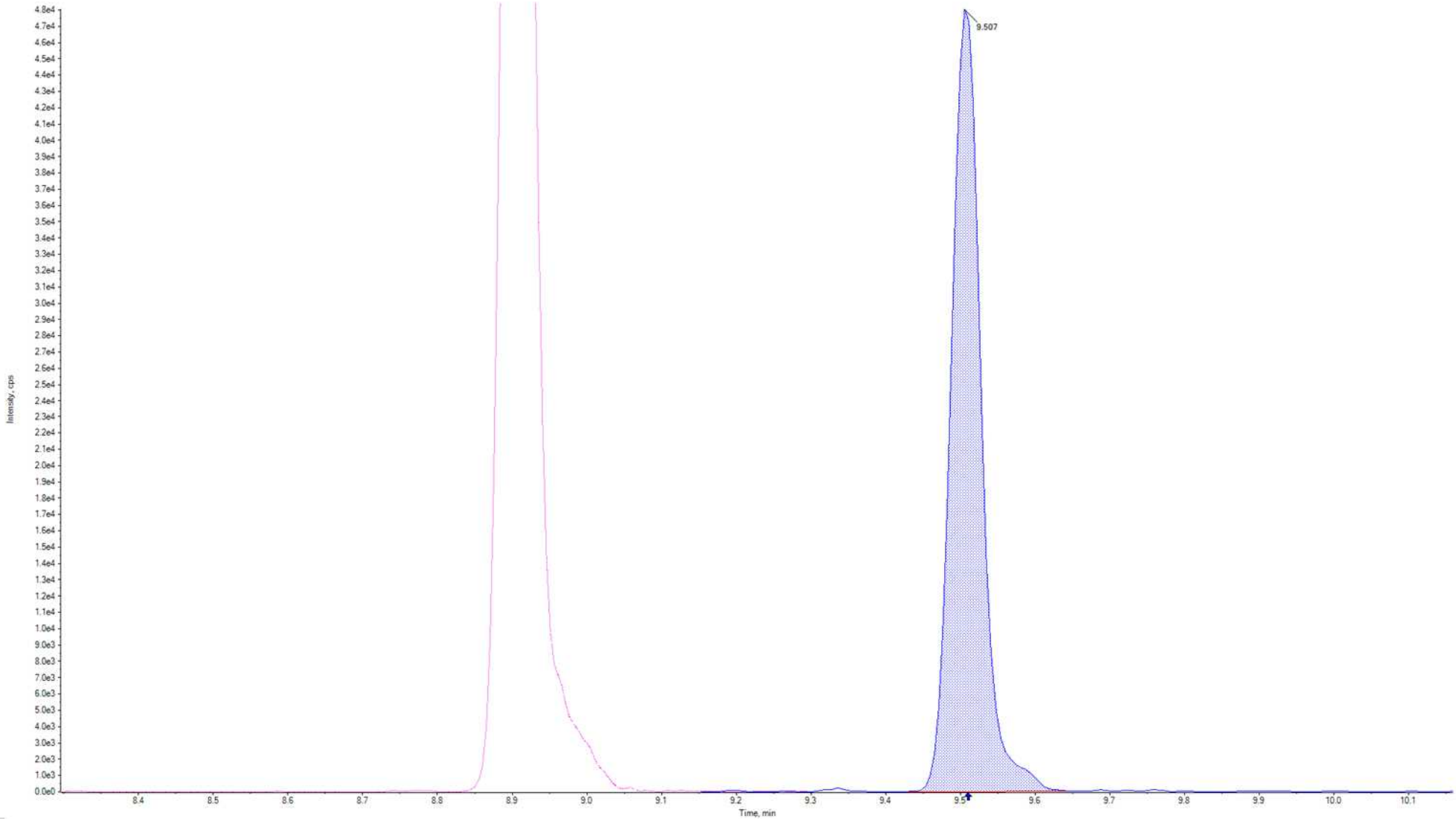
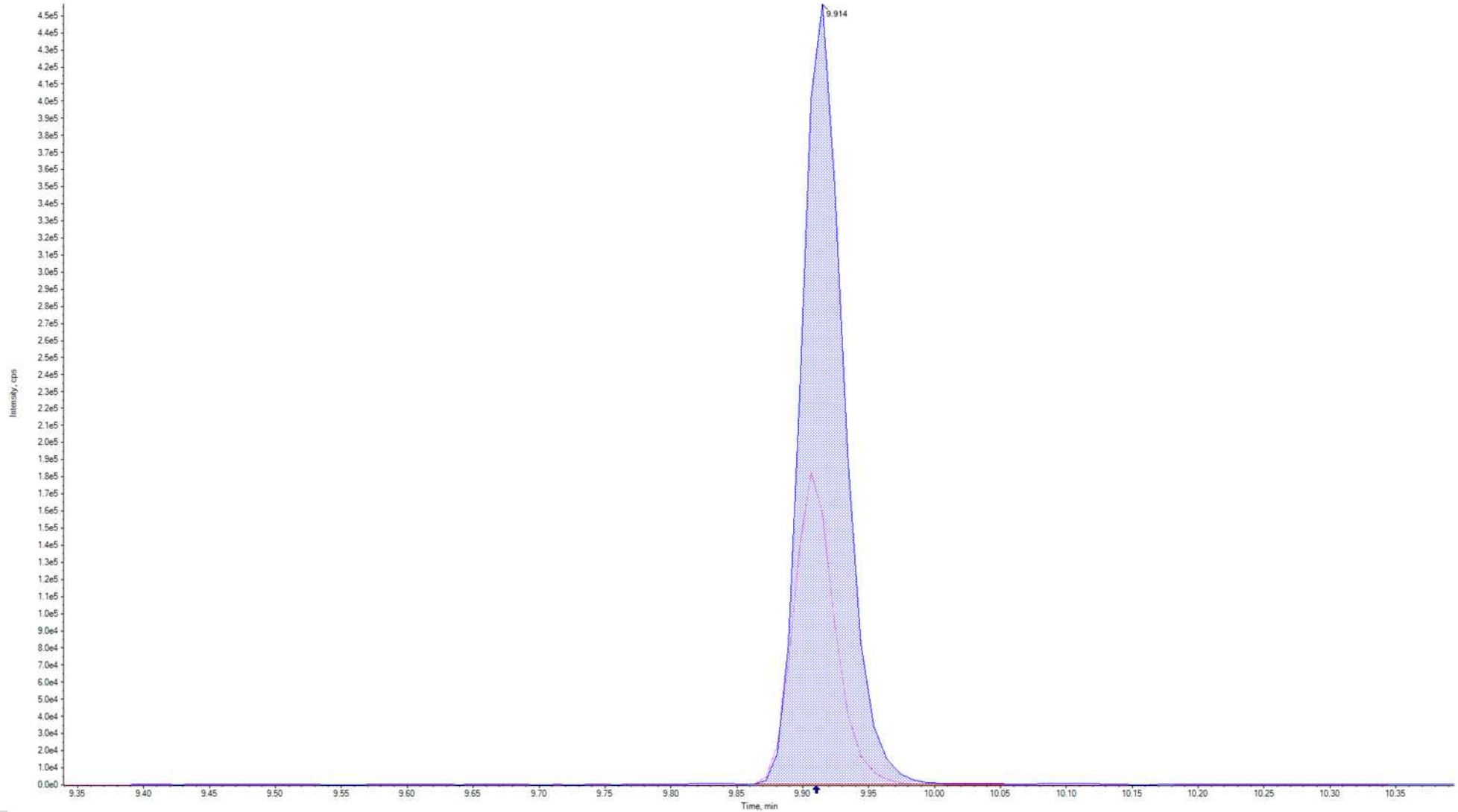
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-2.5 S/N:618684.7 Points Across peak:41



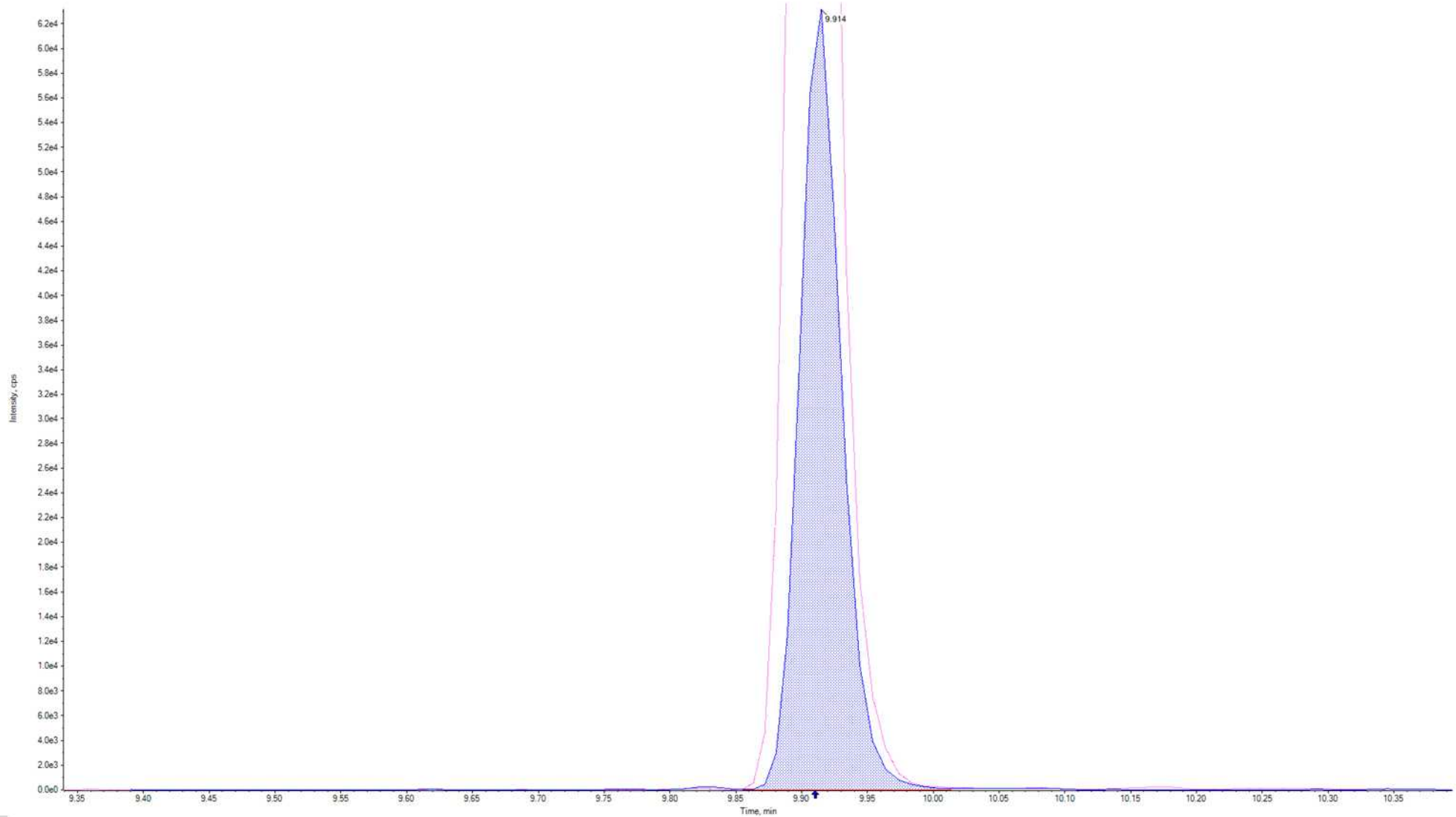
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-2.5 S/N:2235.9 Points Across peak:22



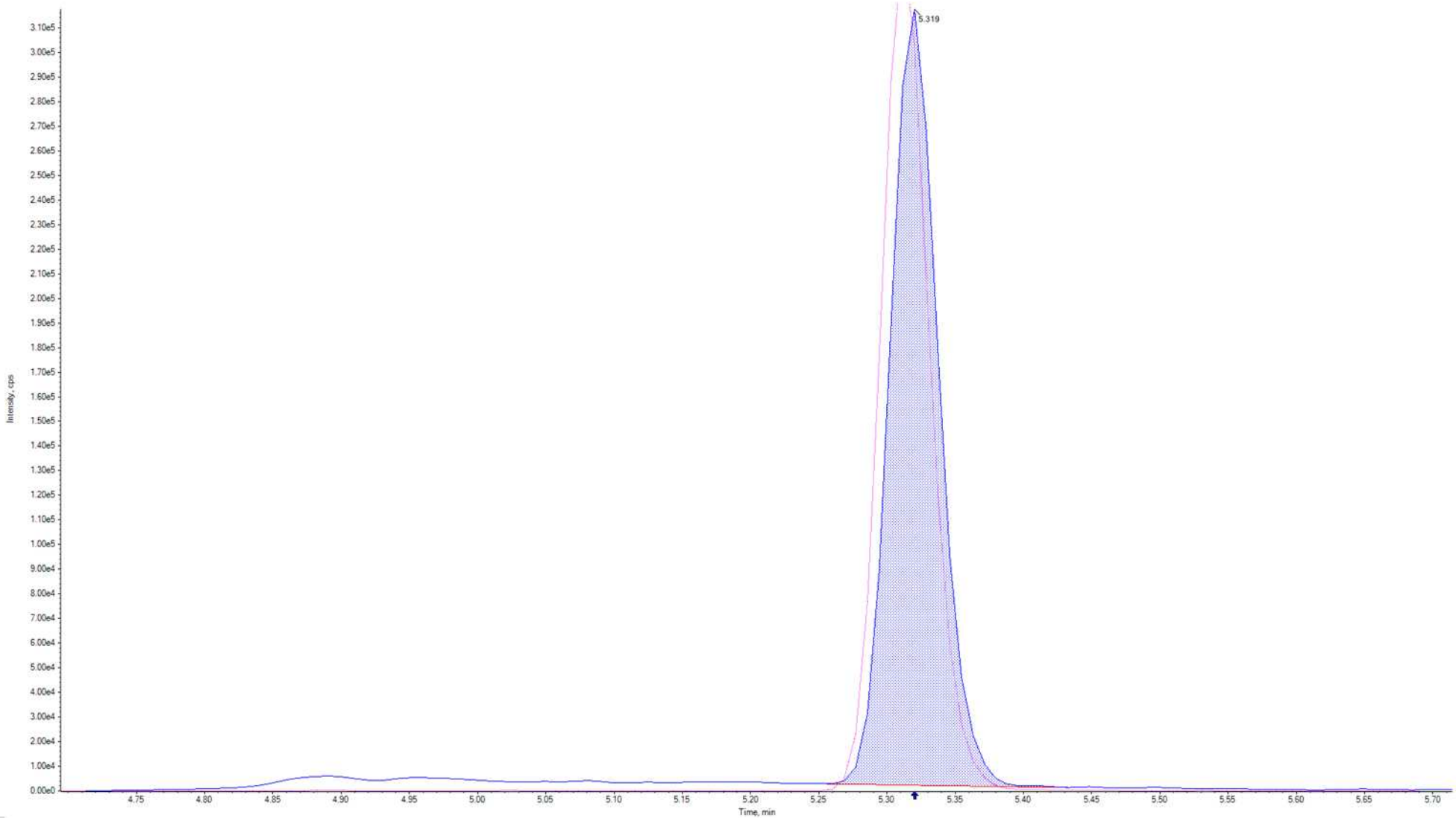
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-2.5 S/N:2344.4 Points Across peak:18



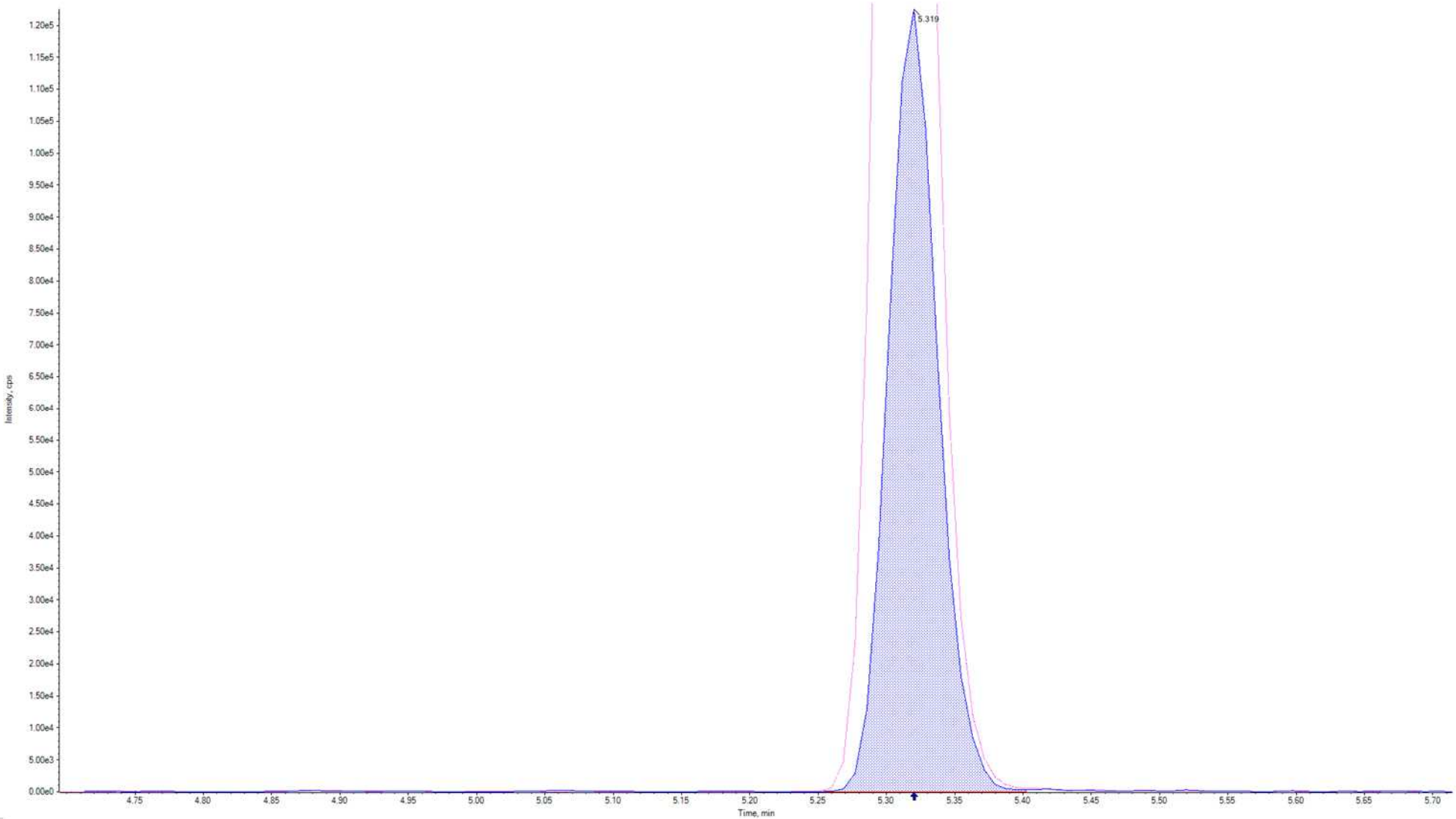
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-2.5 S/N:70.1 Points Across peak:23



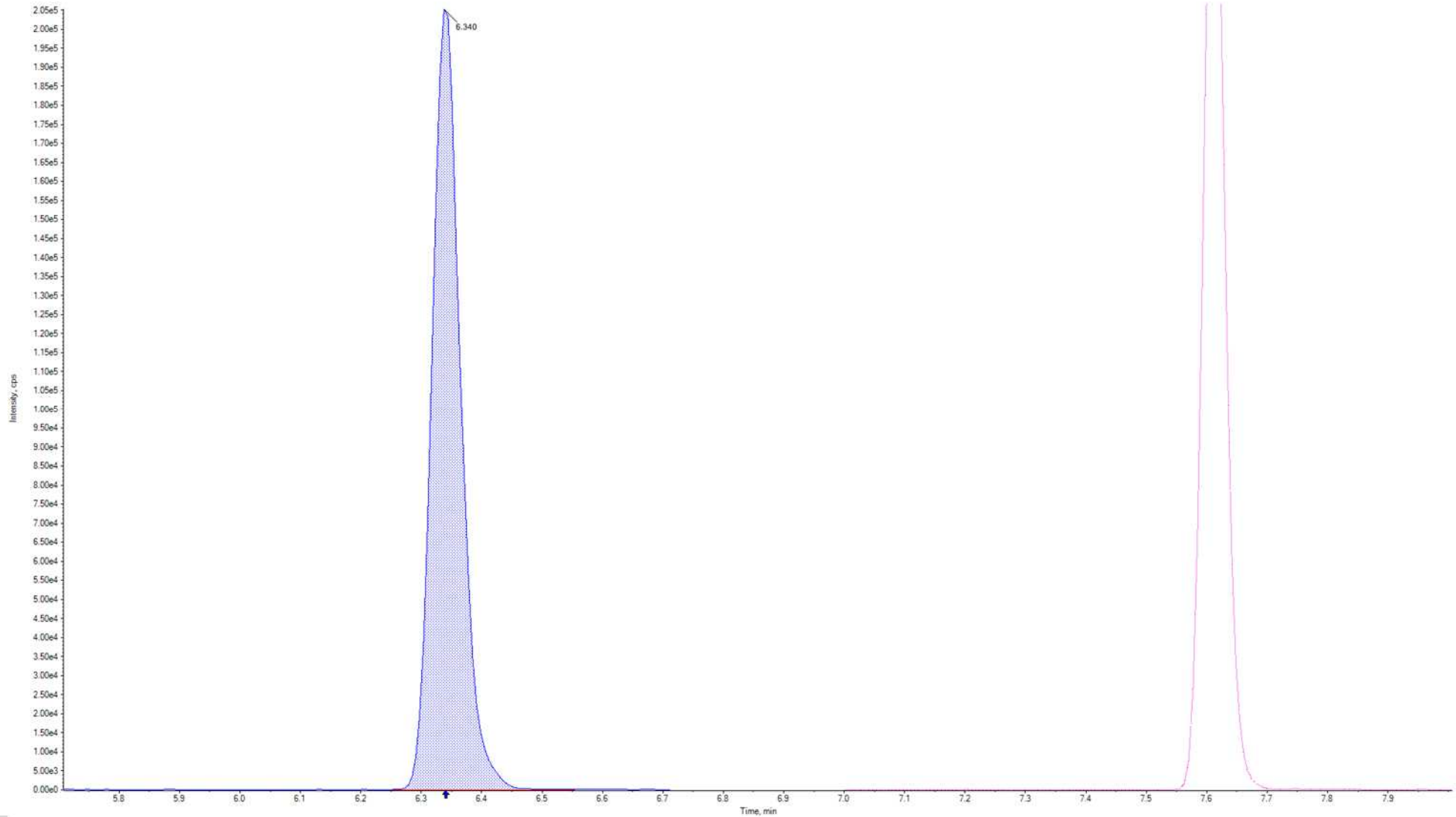
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-2.5 S/N:2384.1 Points Across peak:19



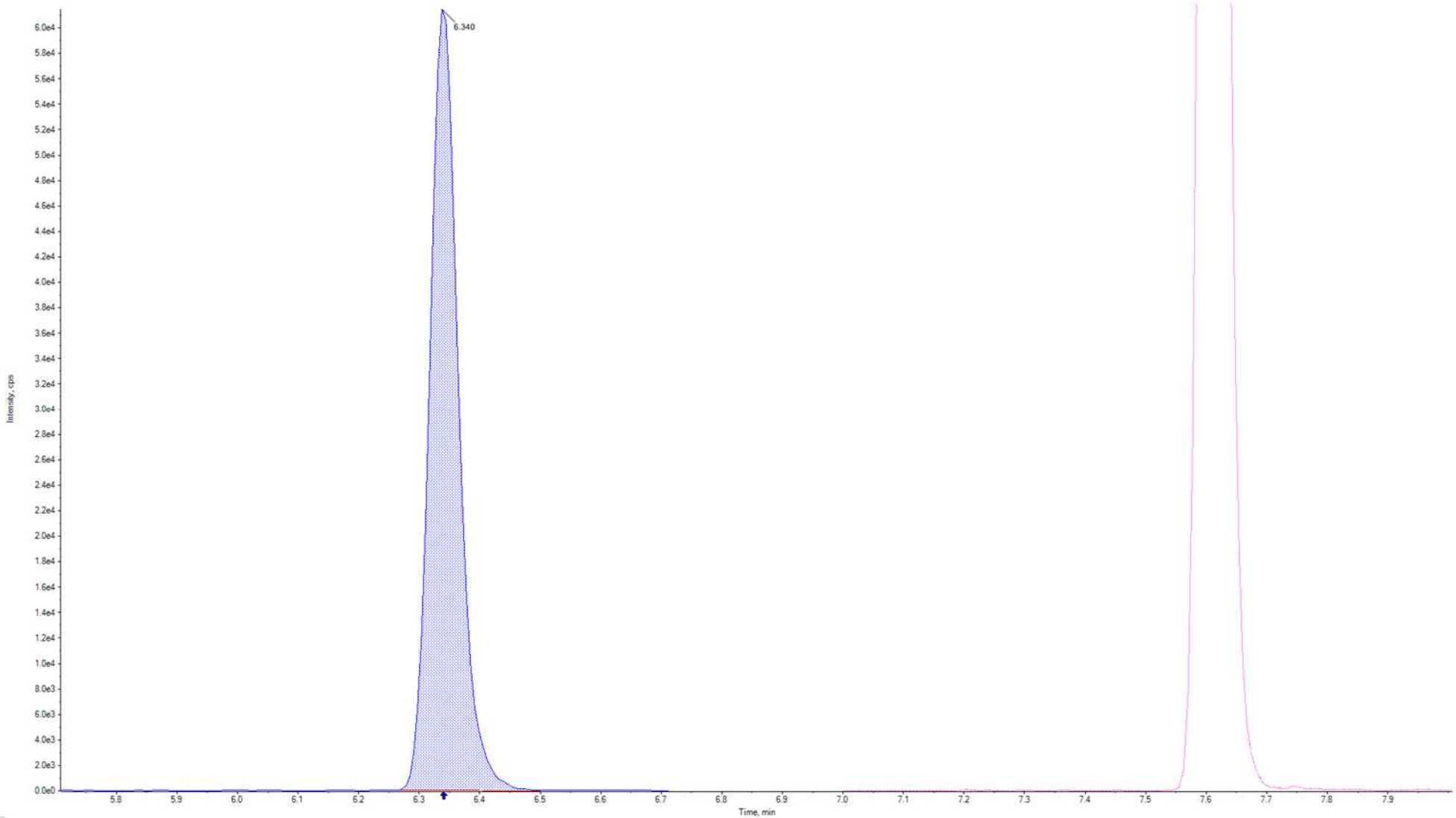
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-2.5 S/N:5997.2 Points Across peak:48



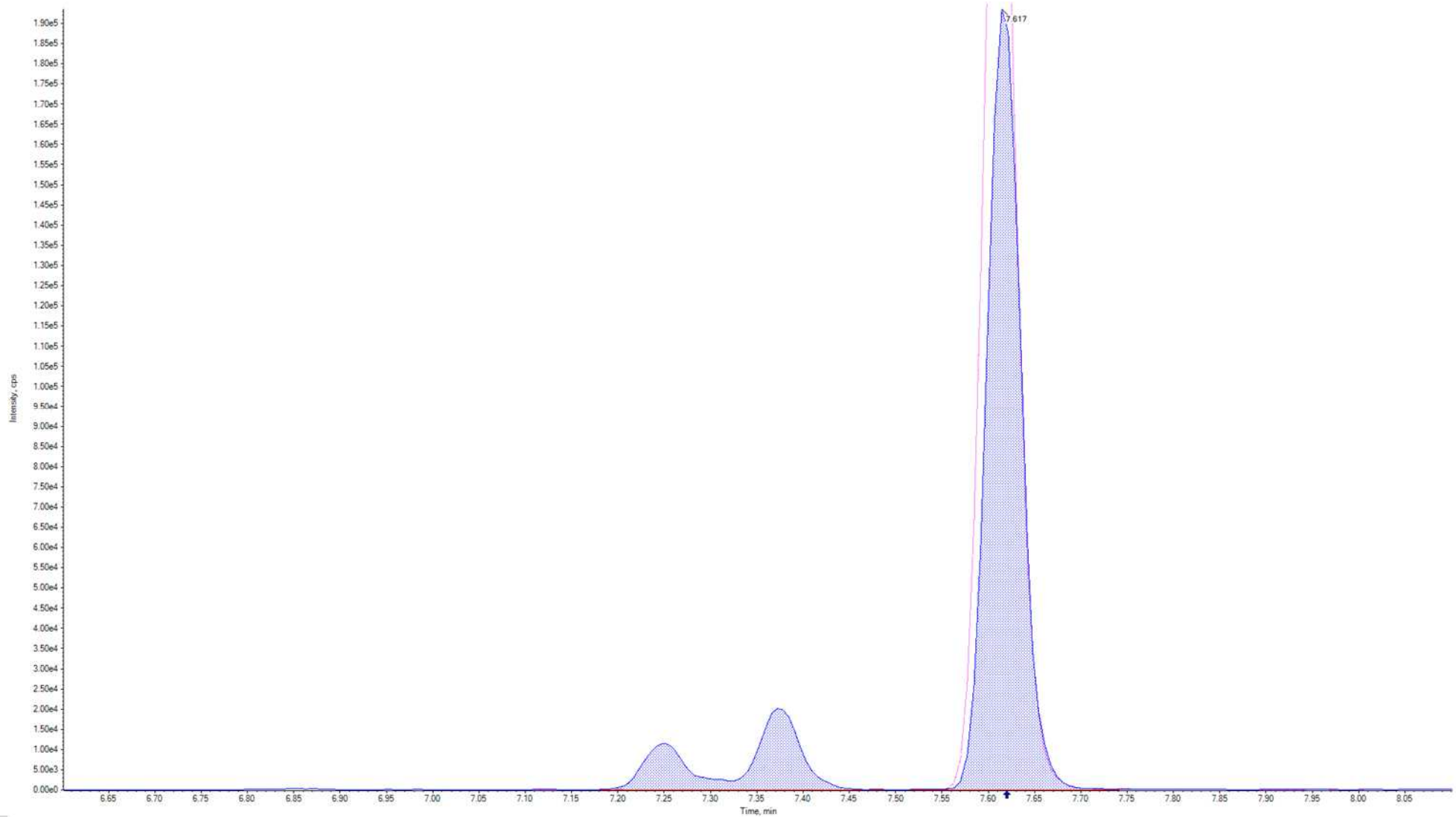
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-2.5 S/N:8753.7 Points Across peak:40



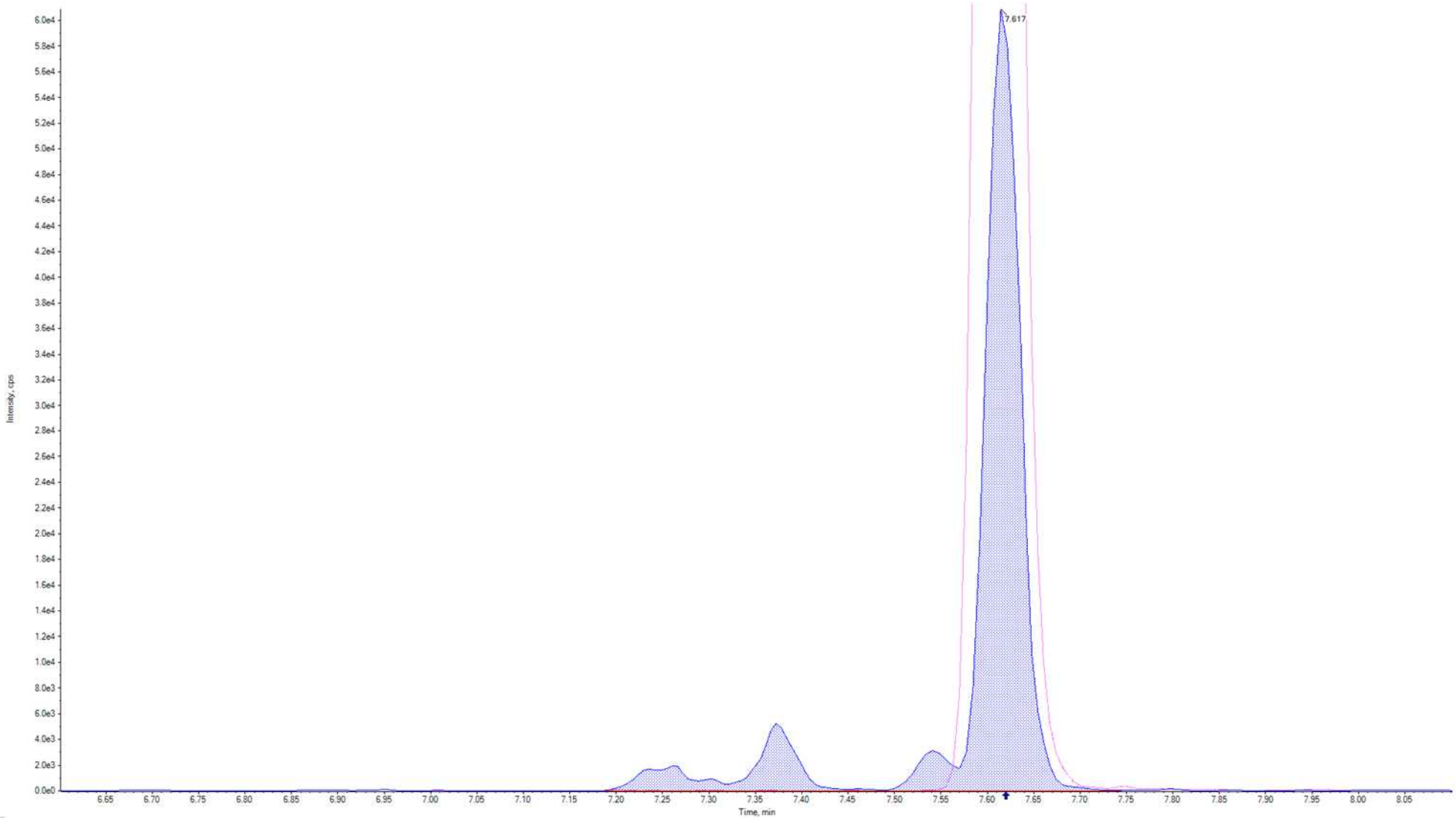
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-2.5 S/N:40481.1 Points Across peak:93



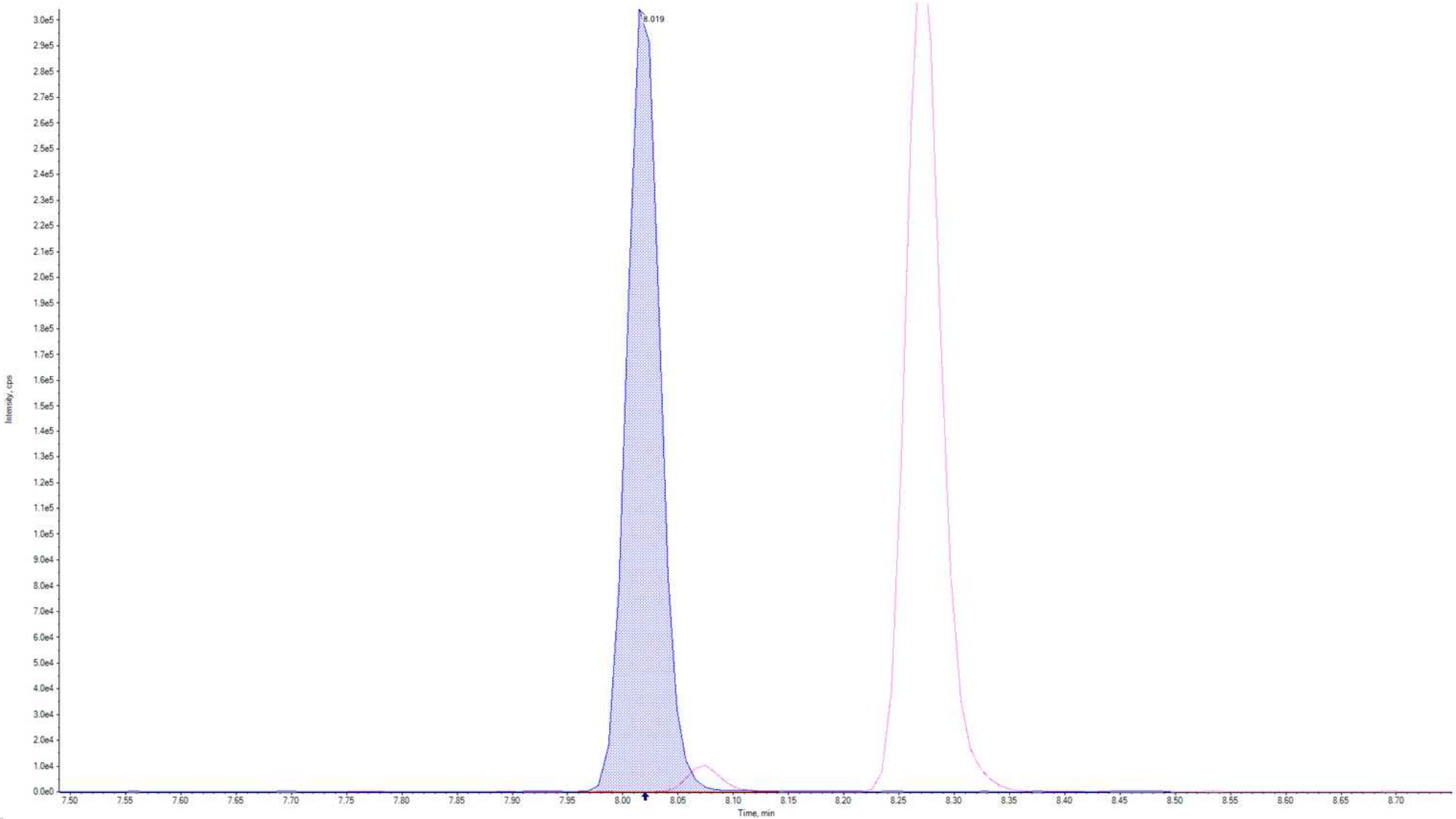
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-2.5 S/N:1538.3 Points Across peak:91



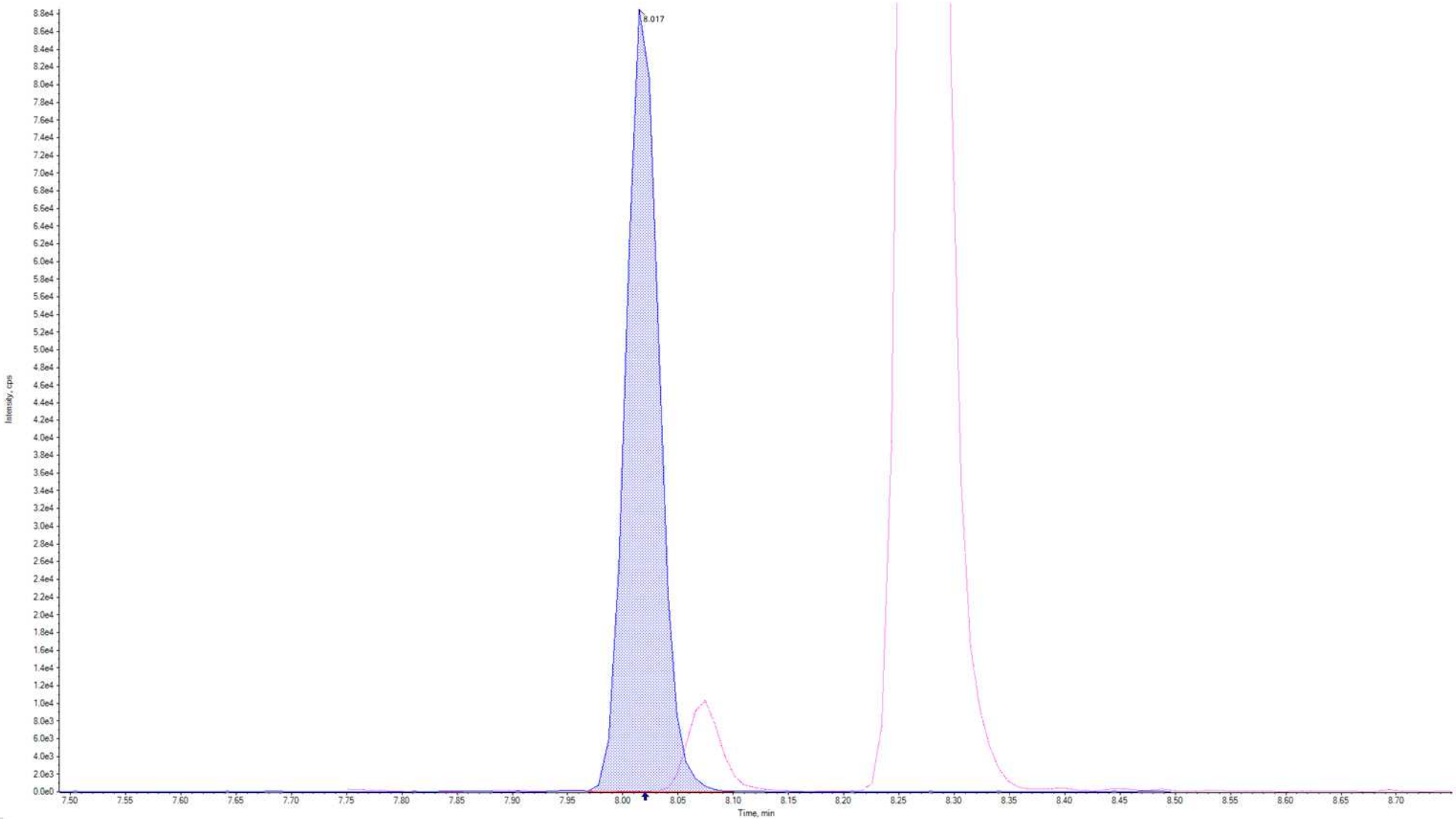
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-2.5 S/N:1174053.3 Points Across peak:23



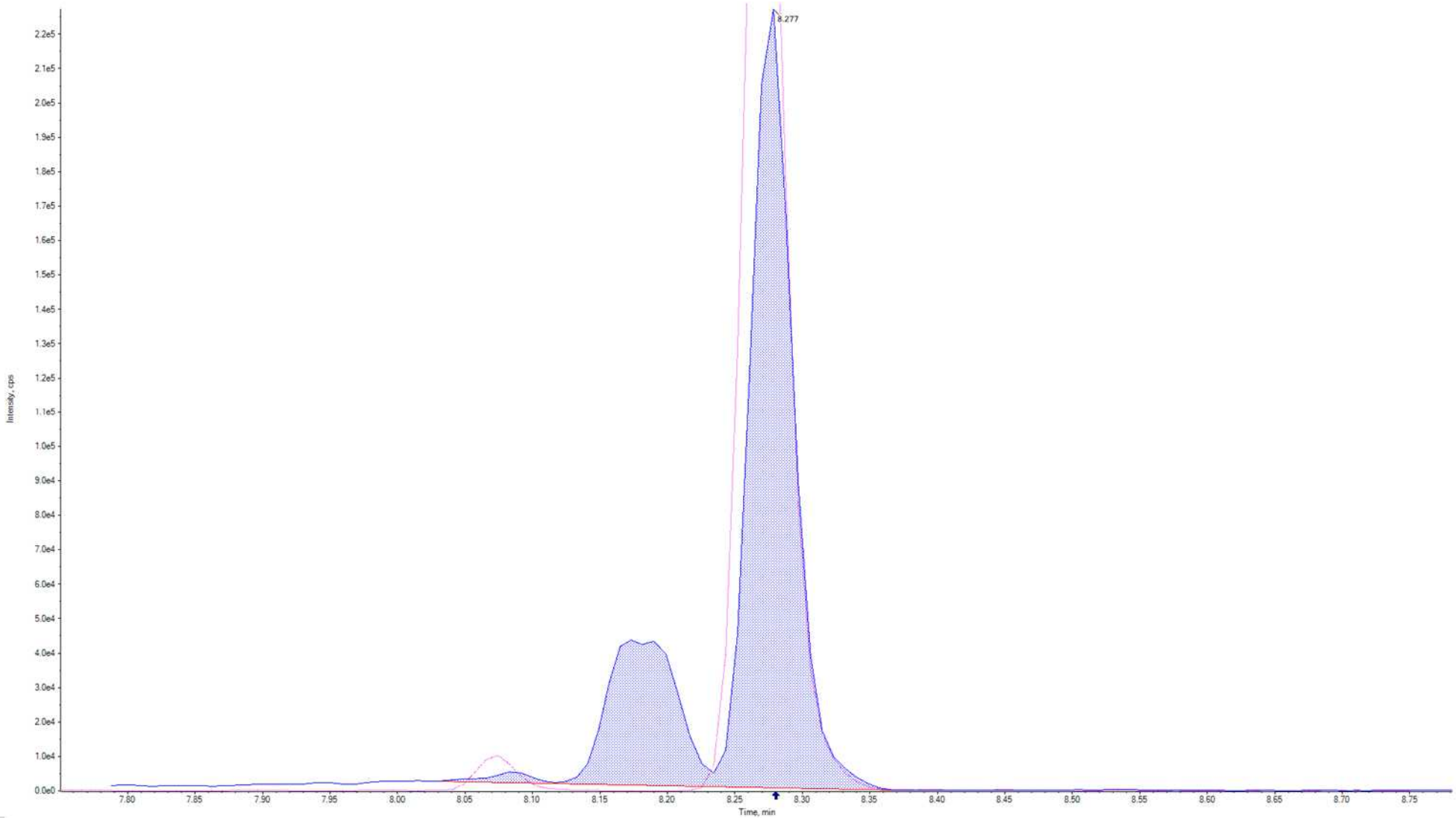
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-2.5 S/N:1498.2 Points Across peak:16



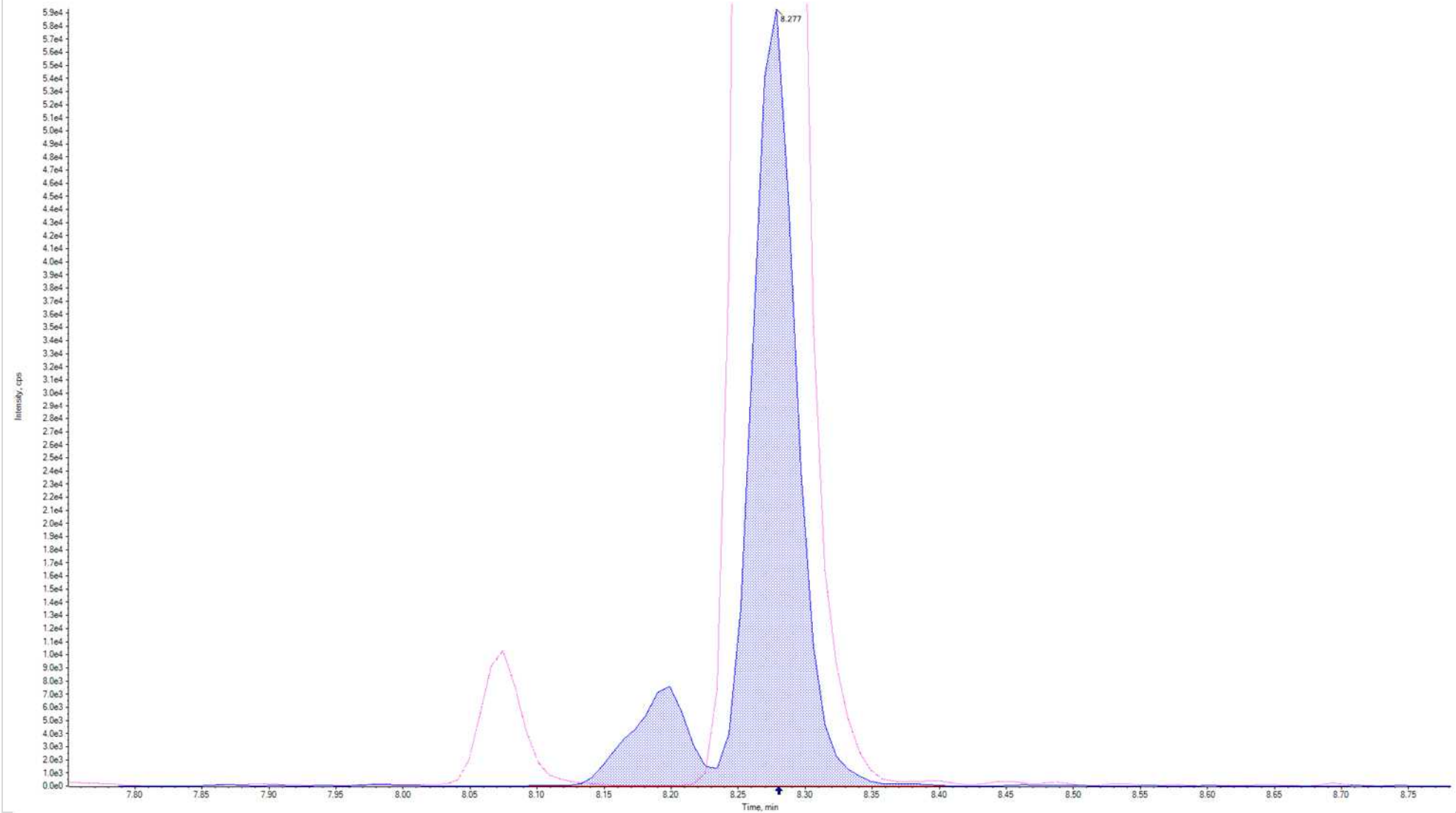
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-2.5 S/N:1869.6 Points Across peak:42



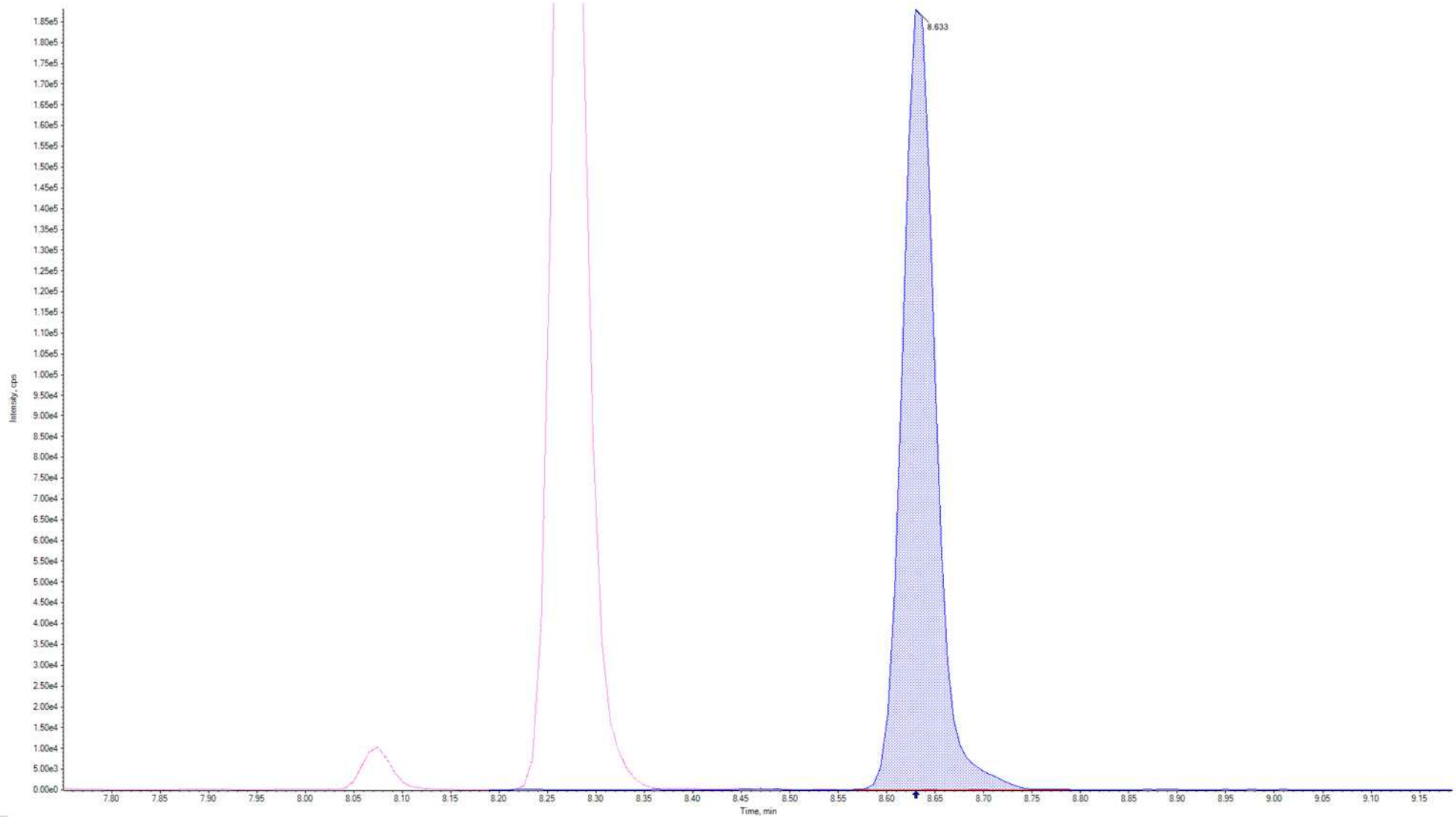
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-2.5 S/N:1521.6 Points Across peak:44



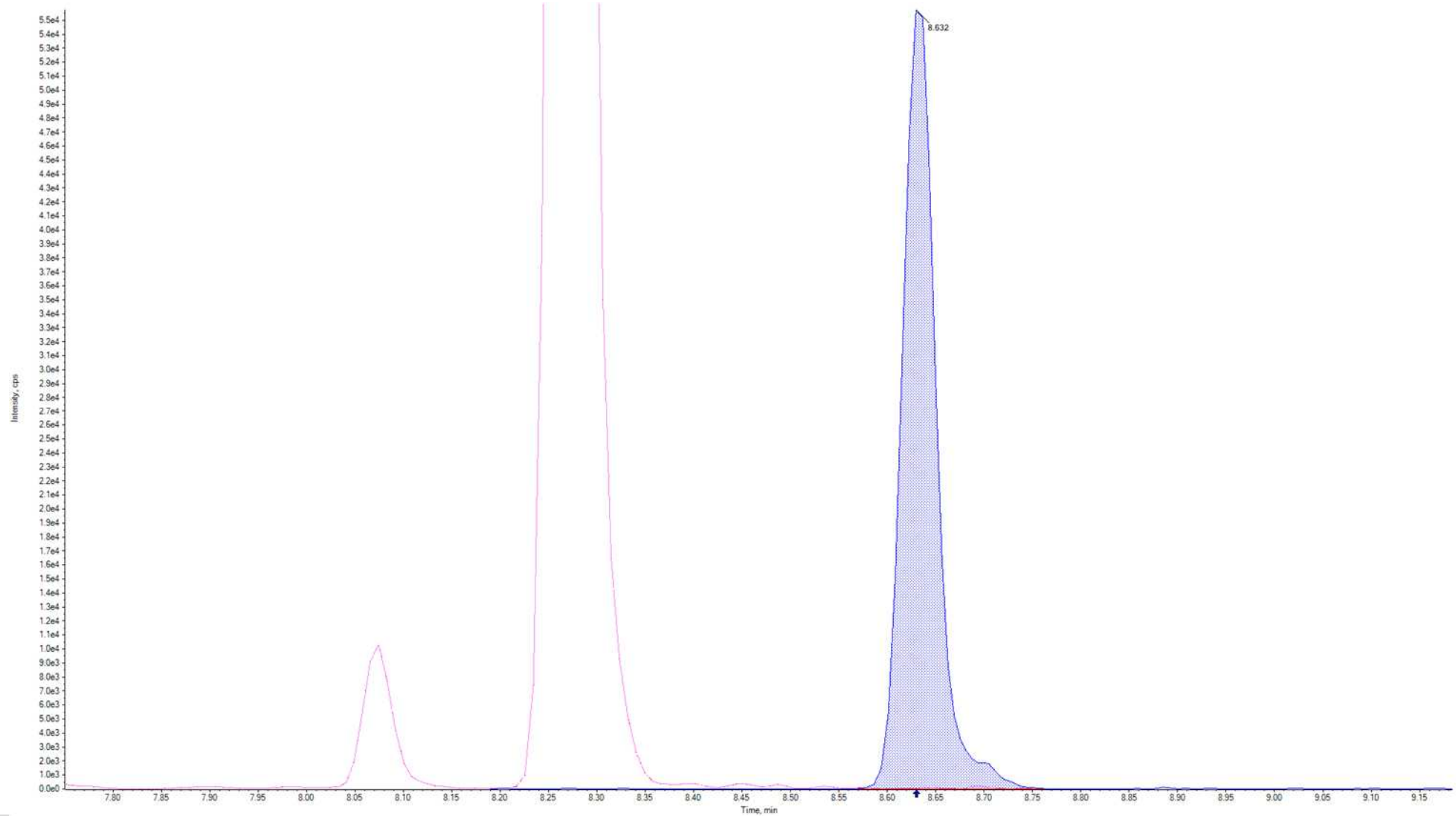
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-2.5 S/N:13160.4 Points Across peak:41



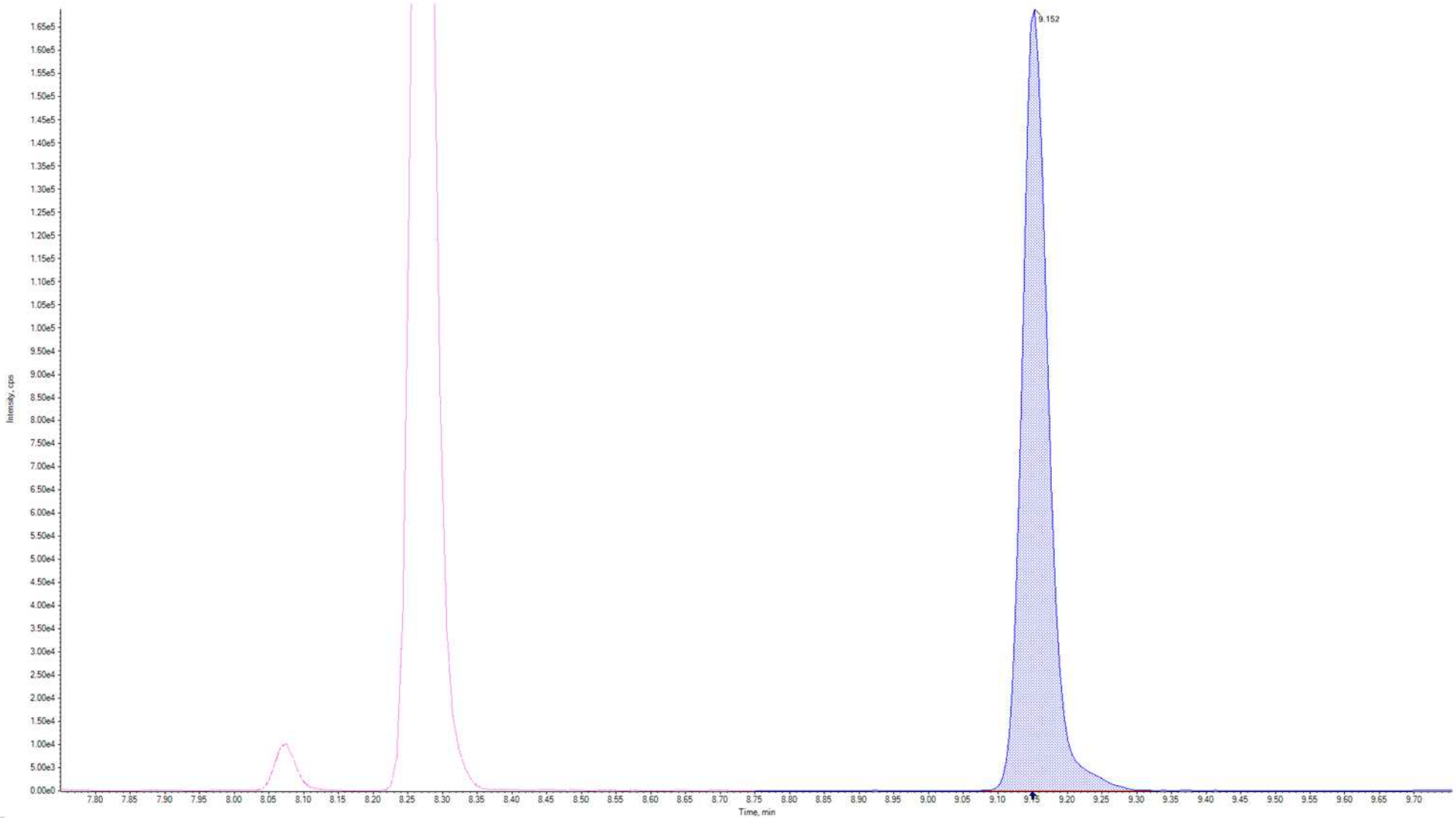
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-2.5 S/N:2694.8 Points Across peak:36



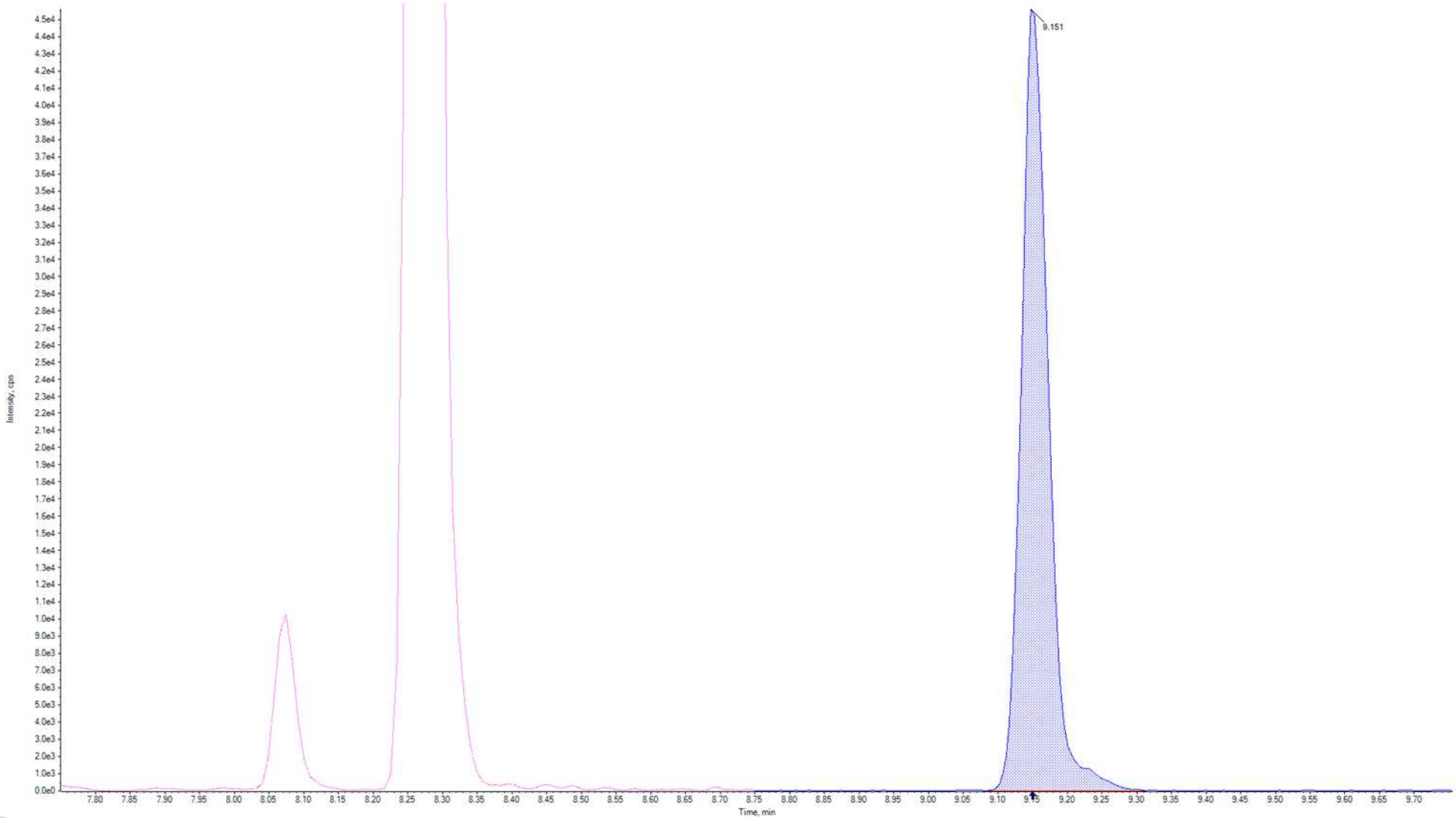
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-2.5 S/N:10431.2 Points Across peak:49



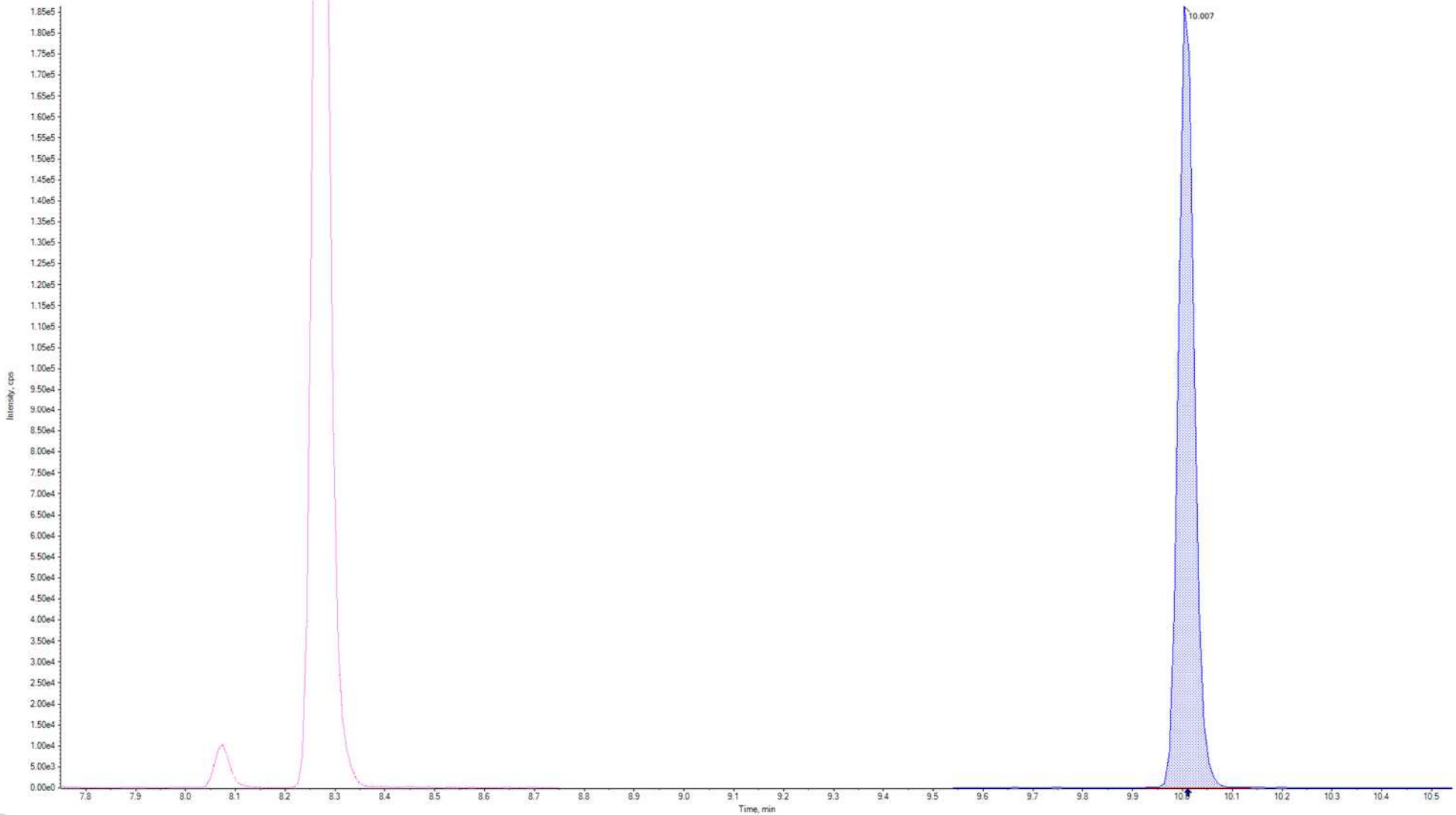
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-2.5 S/N:3096.5 Points Across peak:44



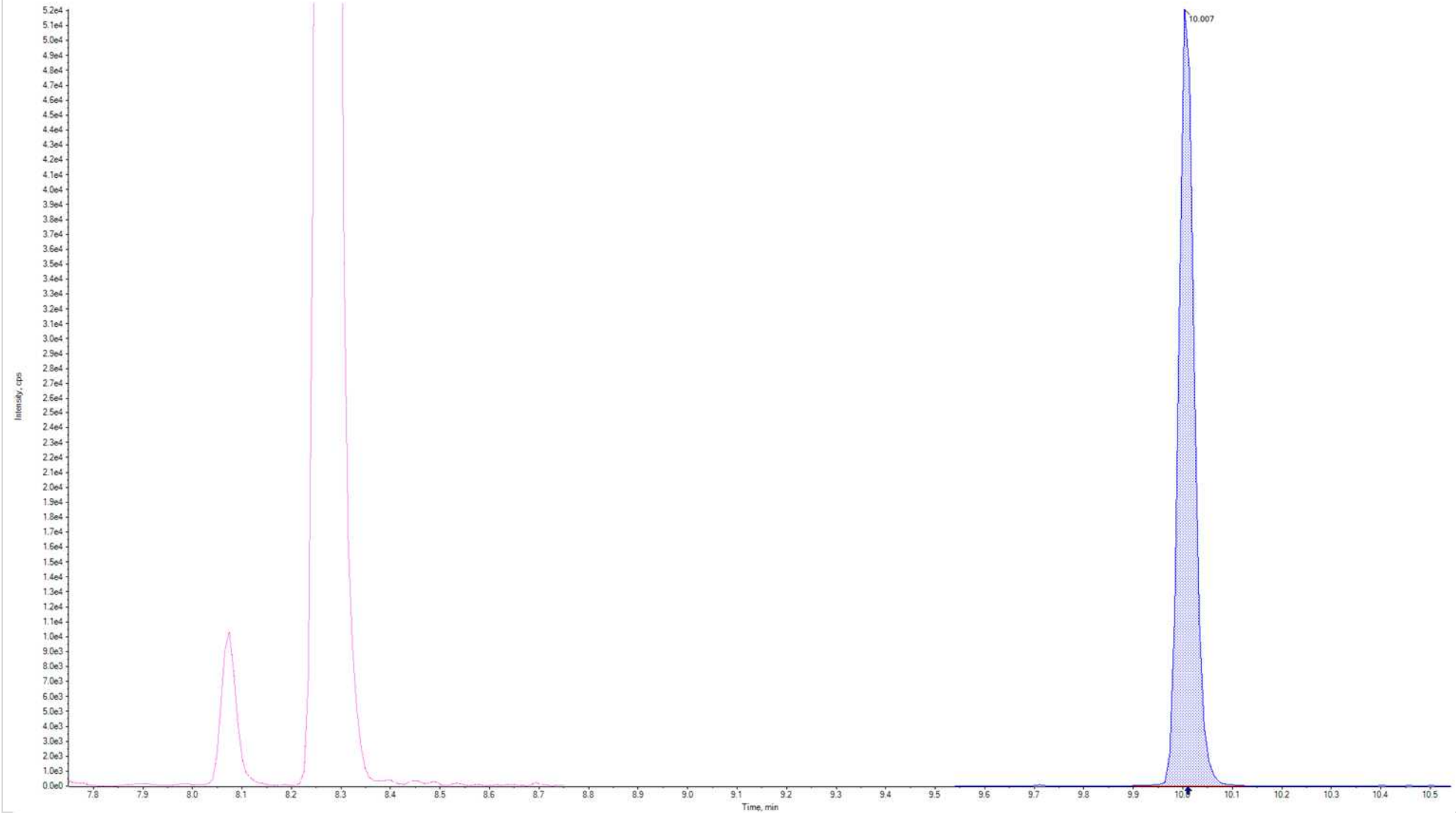
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-2.5 S/N:22260.7 Points Across peak:24



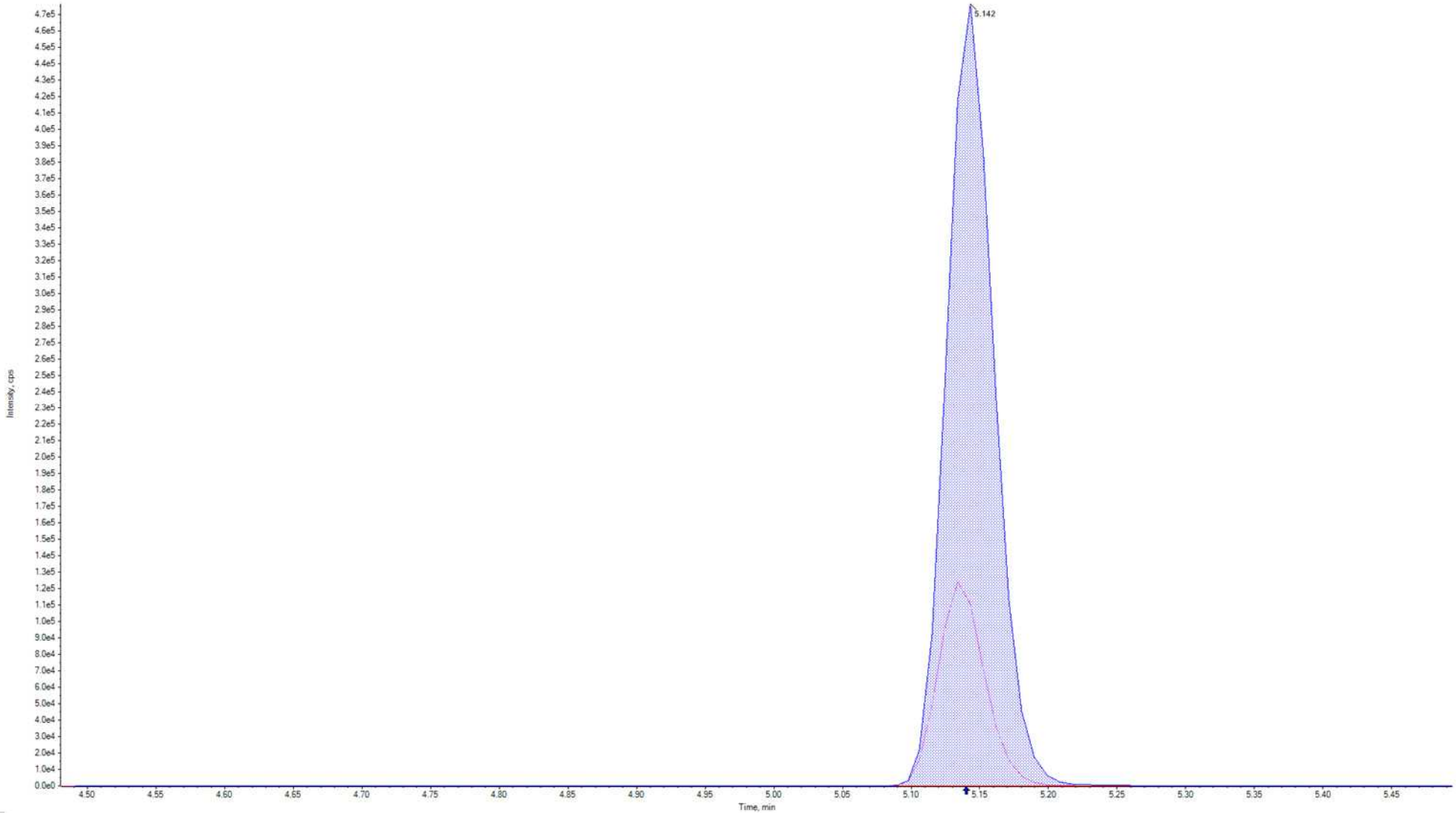
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-2.5 S/N:2492.1 Points Across peak:29



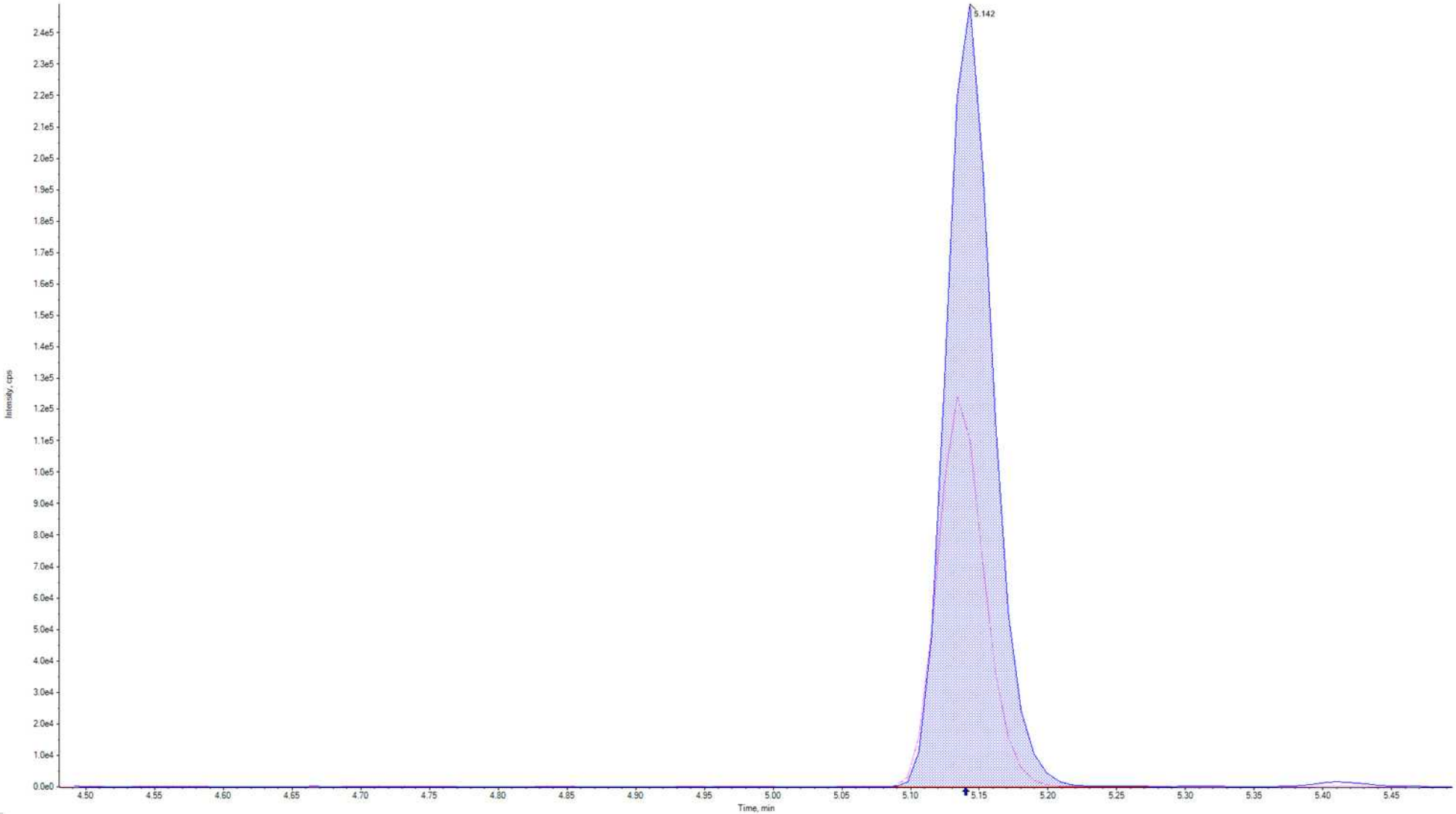
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-2.5 S/N:4171.7 Points Across peak:30



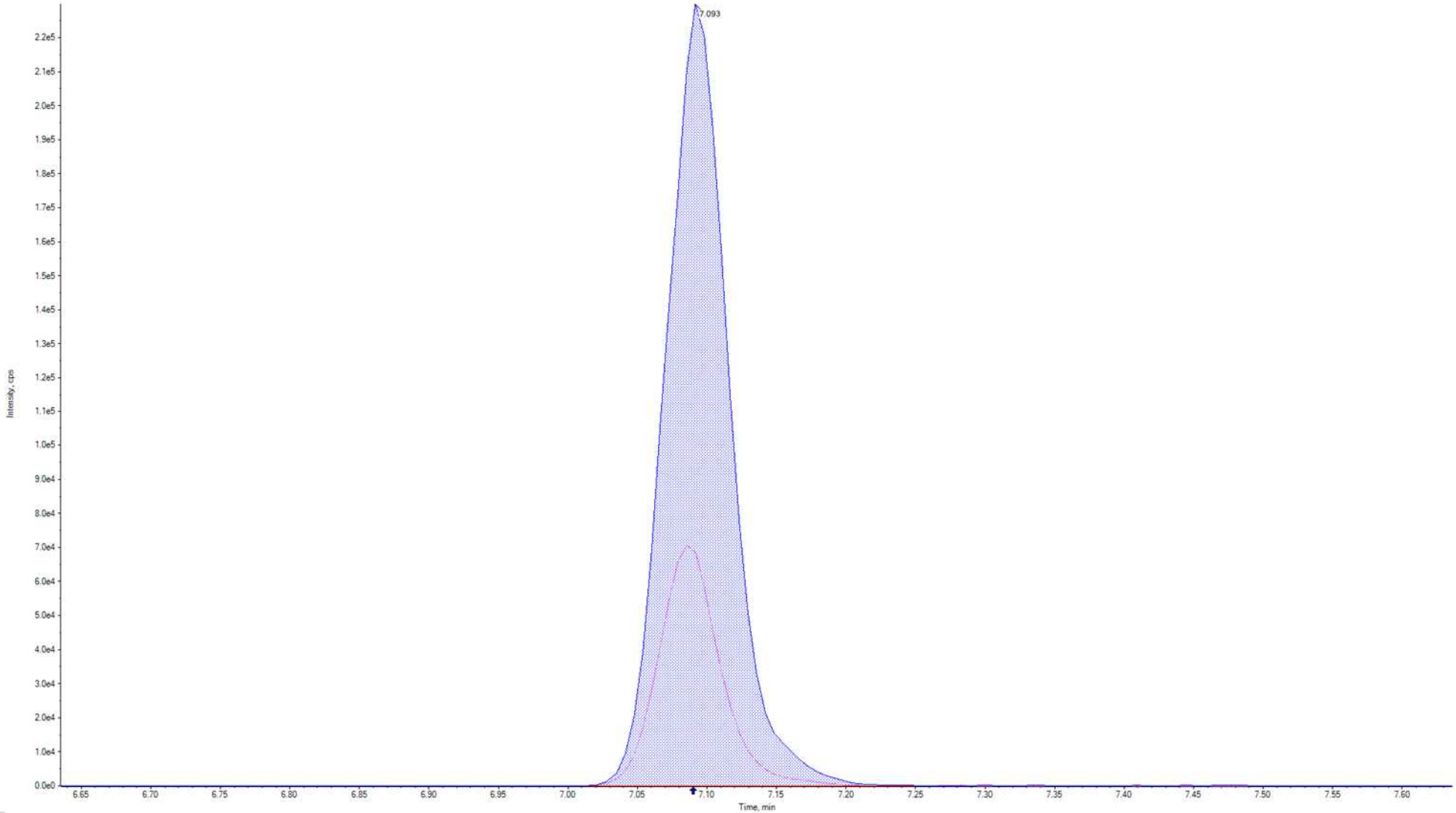
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-2.5 S/N:4893.3 Points Across peak:25

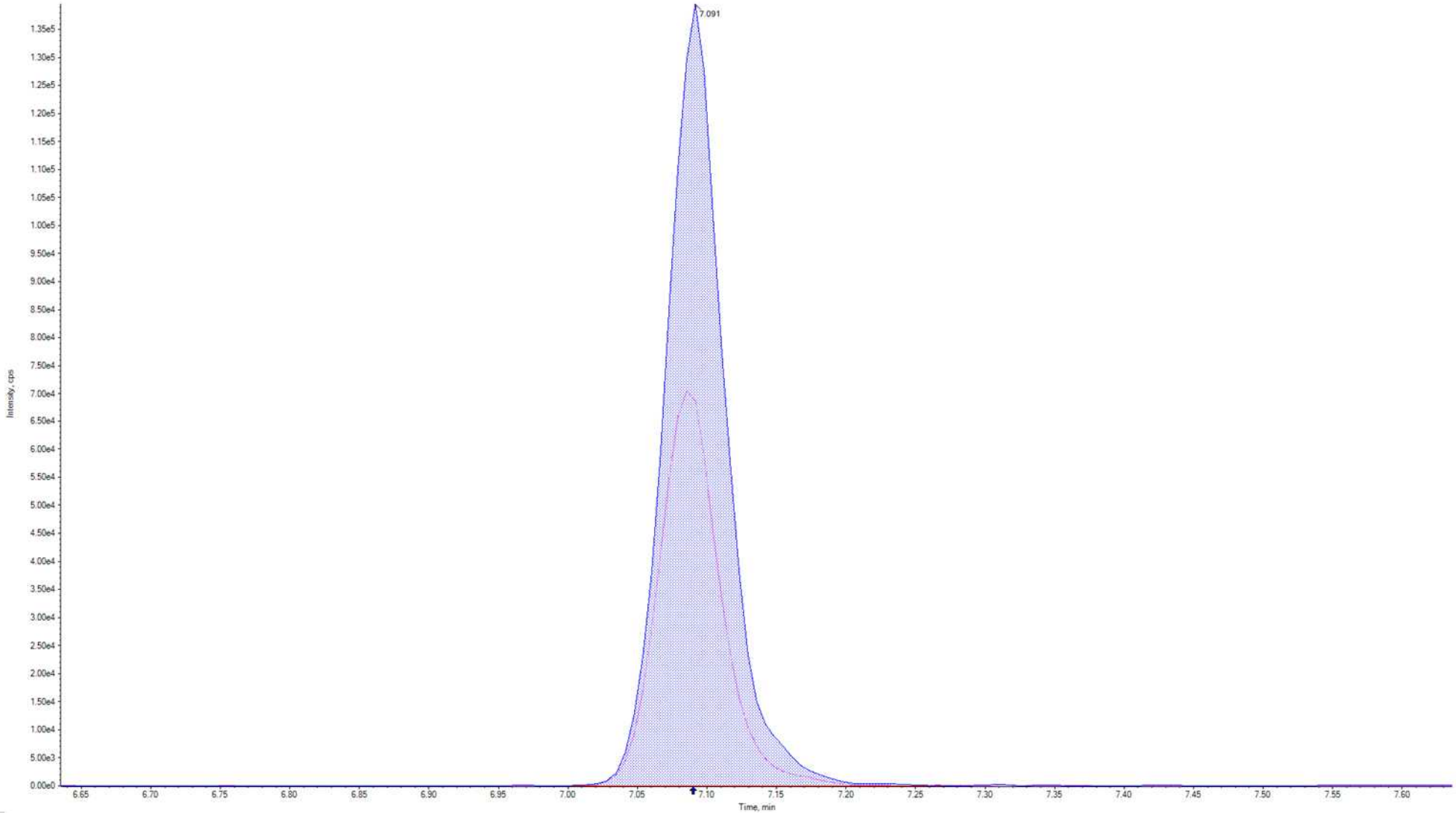


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-2.5 S/N:47100004.0 Points Across peak:43

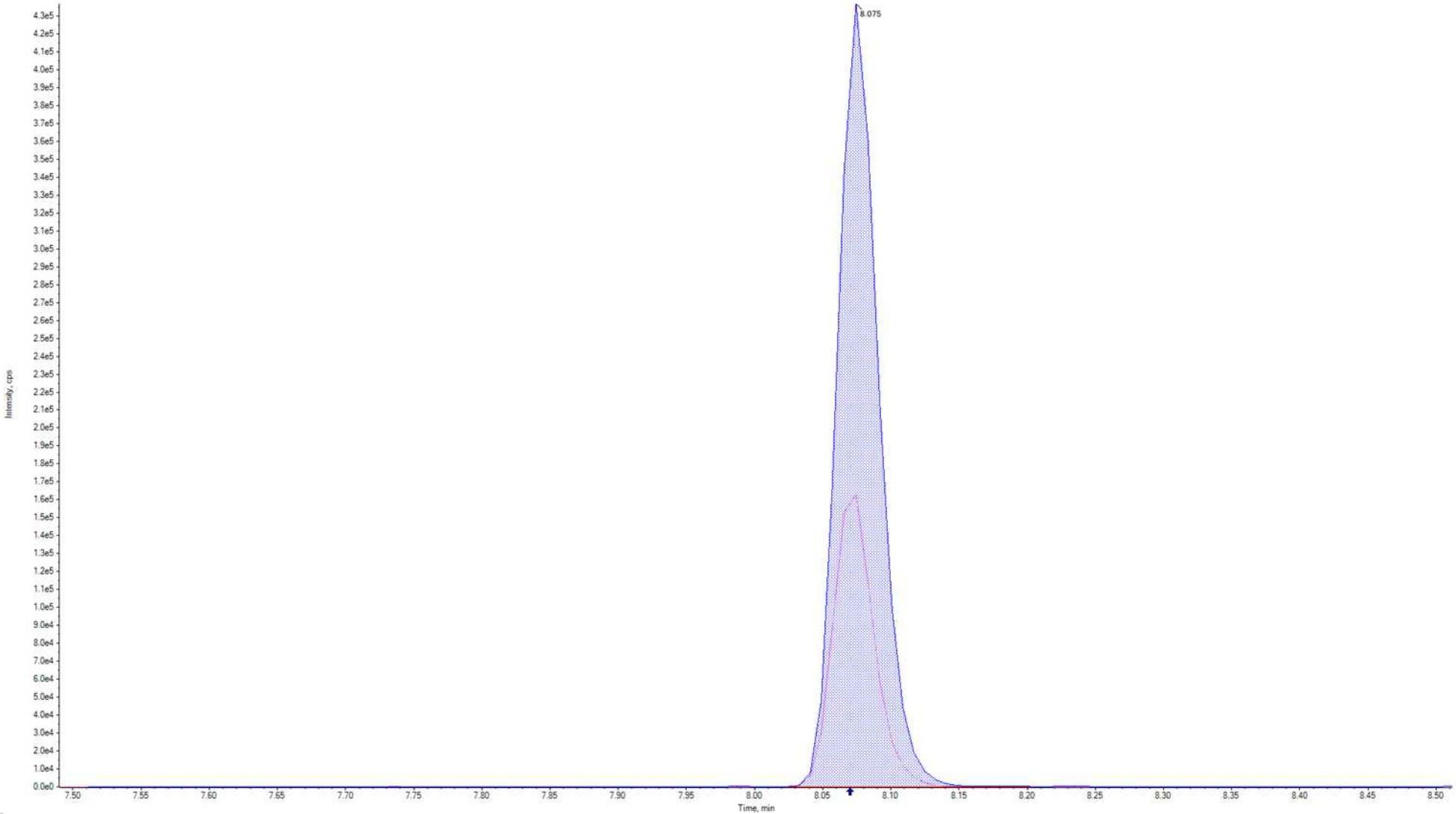


6:2FTS_2
Sample: IA1633STD-2.5 S/N:50740.1 Points Across peak:46



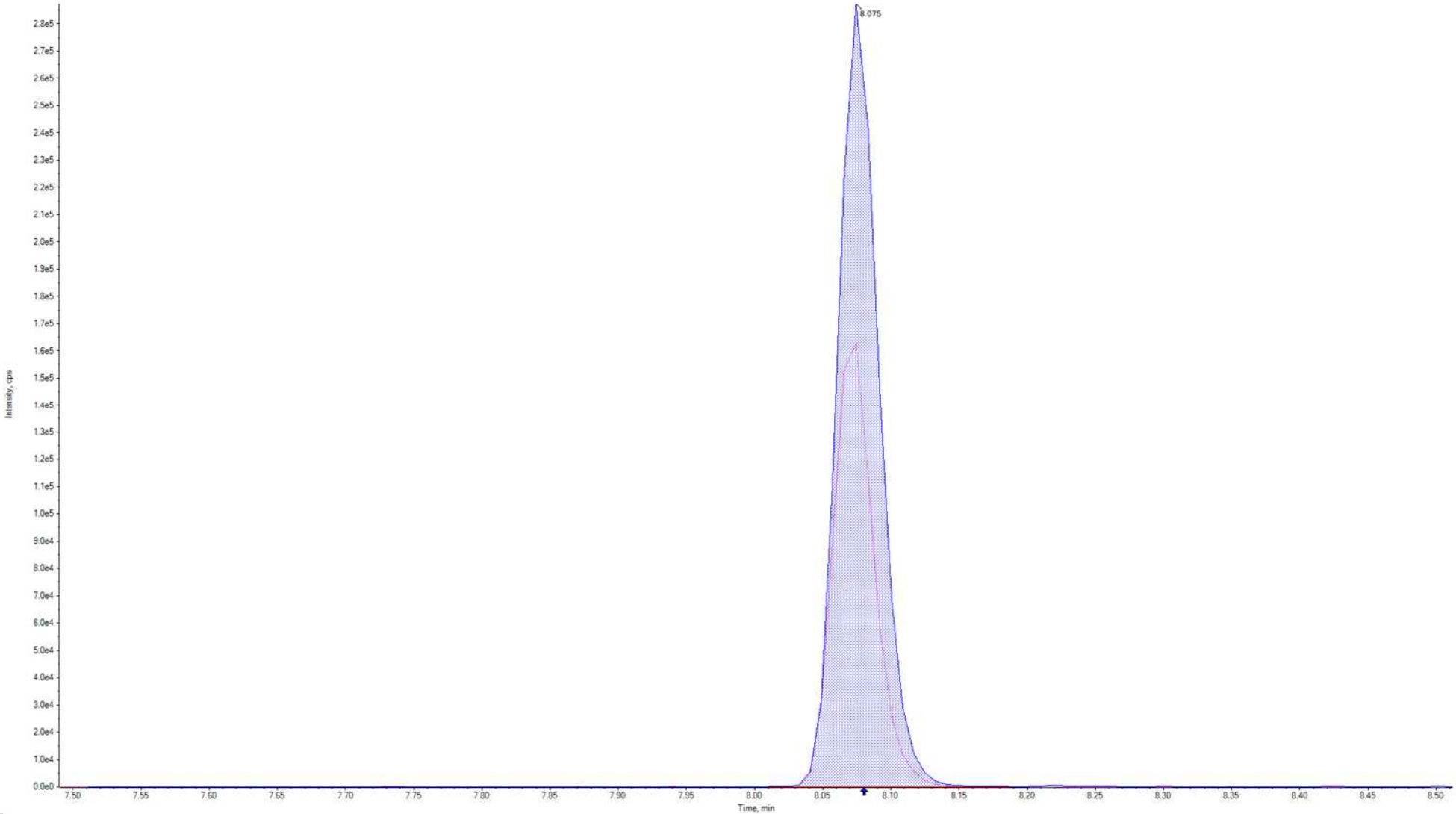
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-2.5 S/N:4008.1 Points Across peak:24



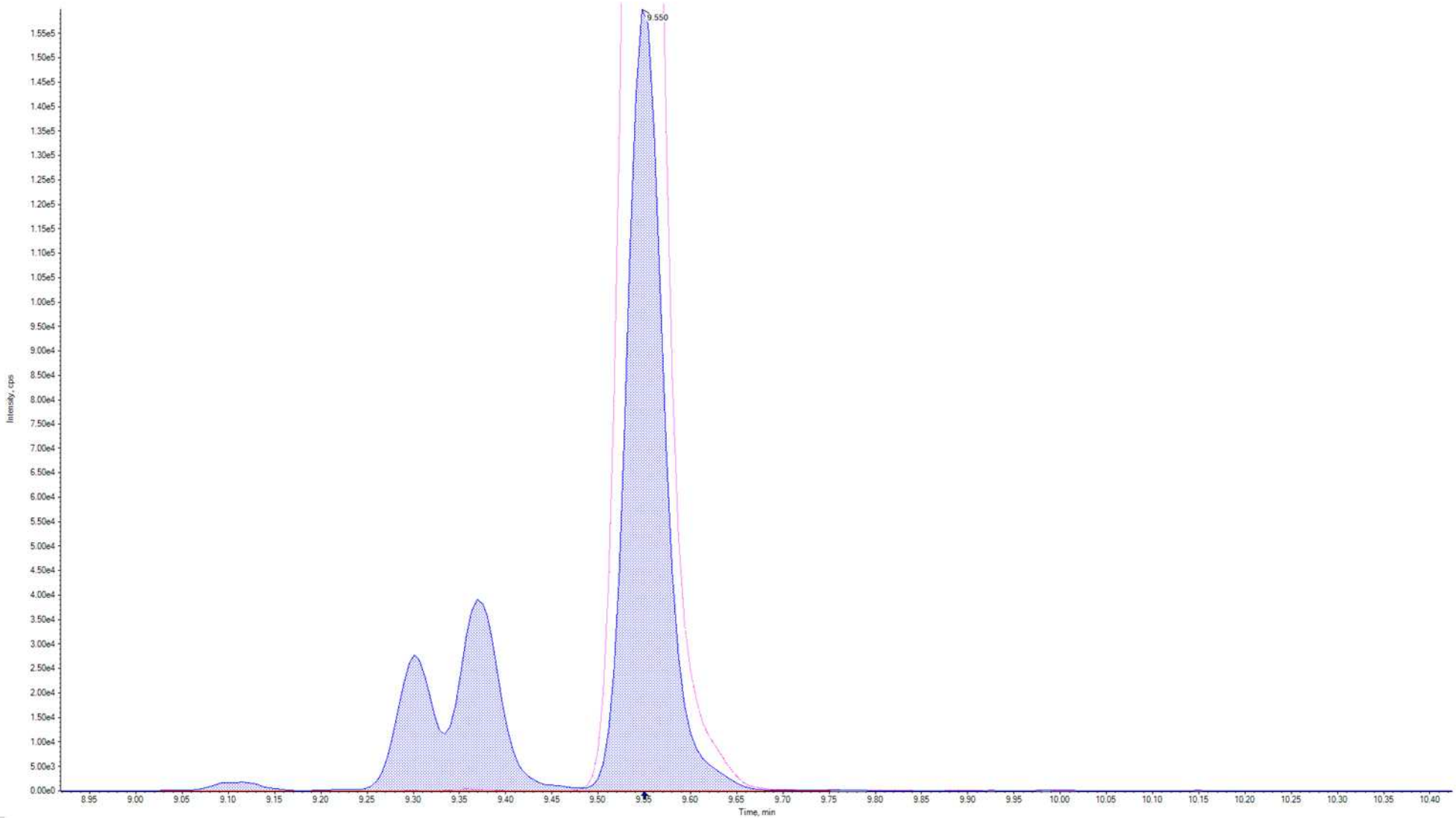
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-2.5 S/N:11797239.8 Points Across peak:25



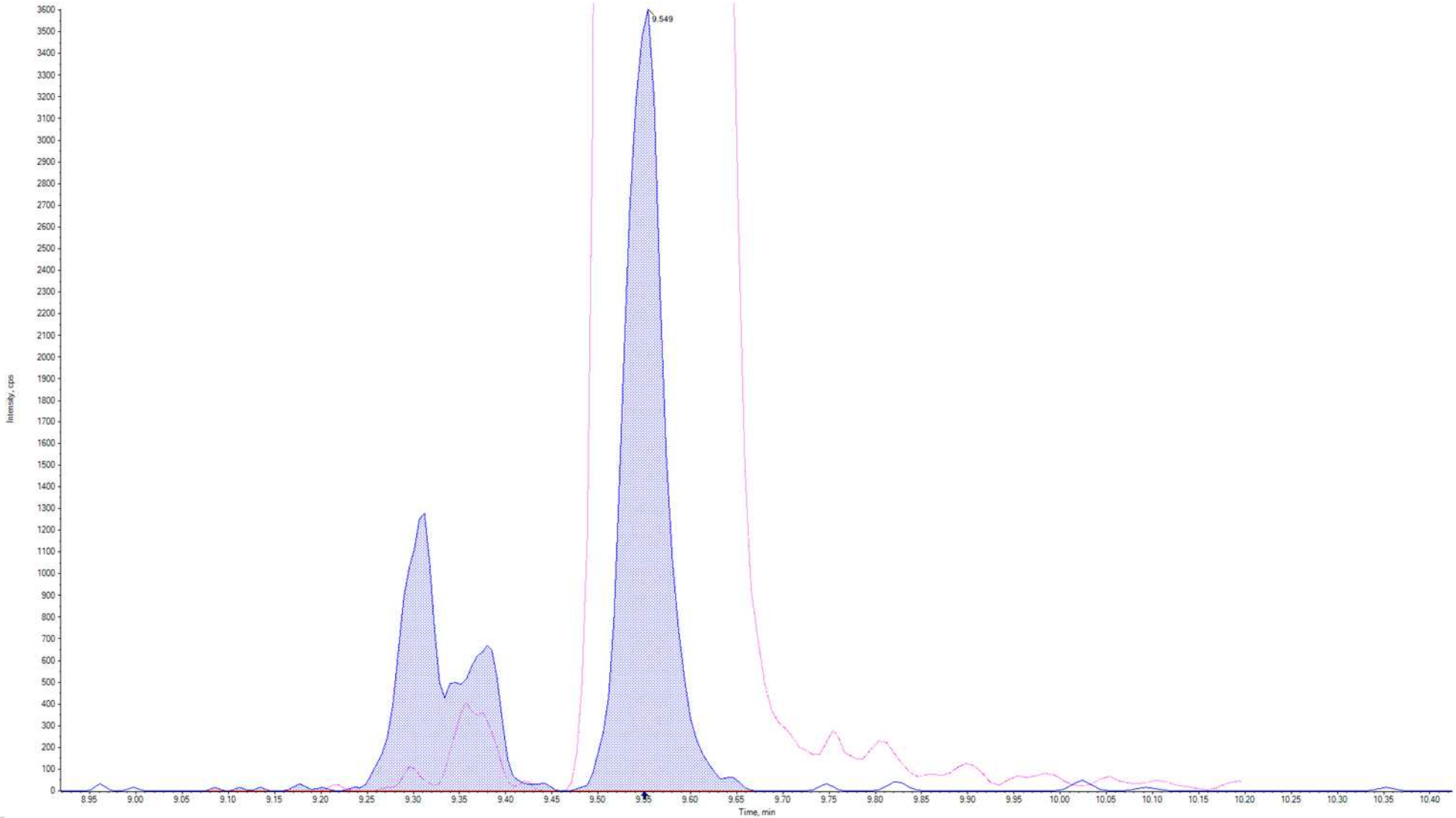
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-2.5 S/N:38374.2 Points Across peak:132



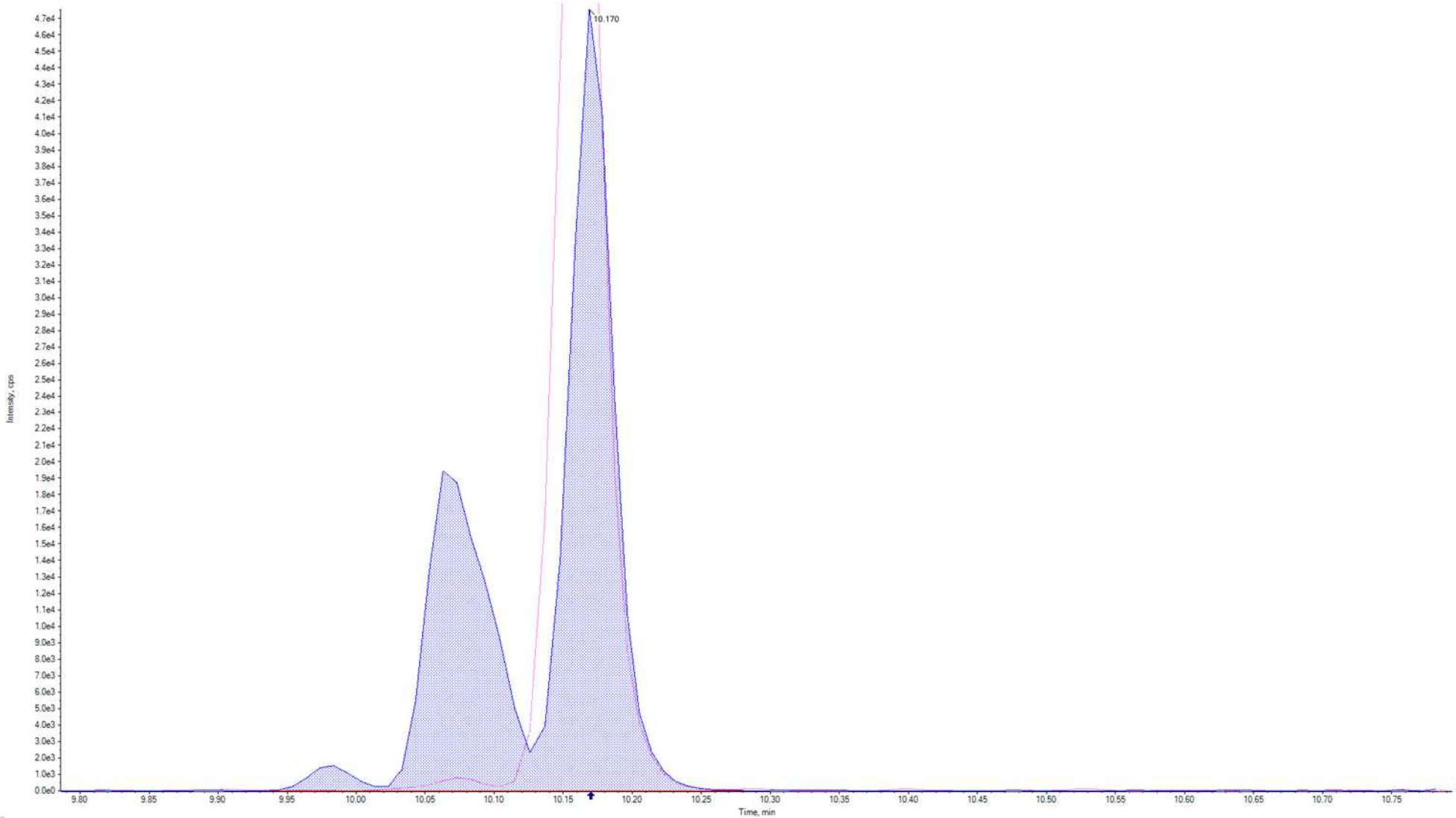
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-2.5 S/N:738.7 Points Across peak:108



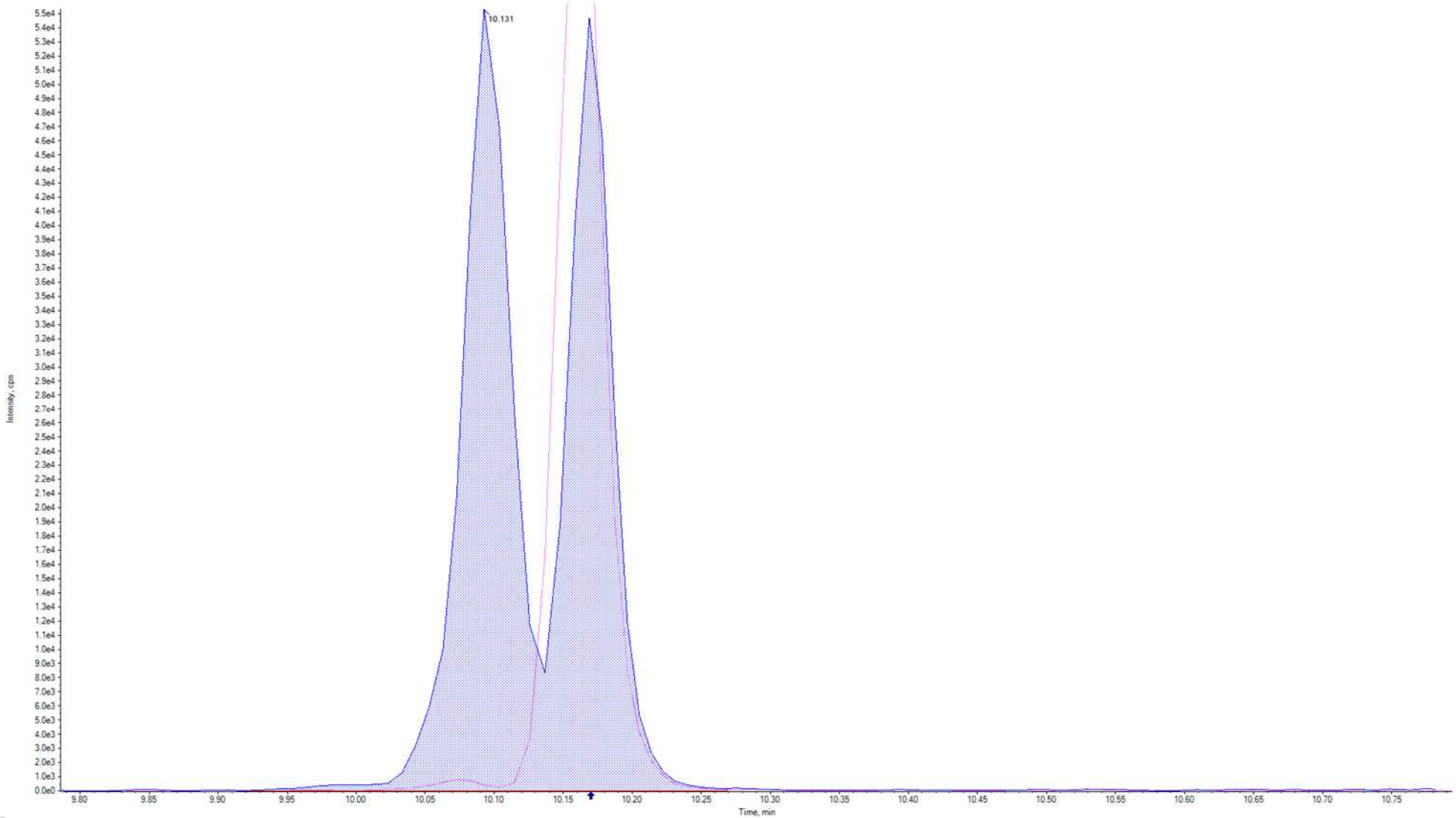
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-2.5 S/N:610172.0 Points Across peak:39



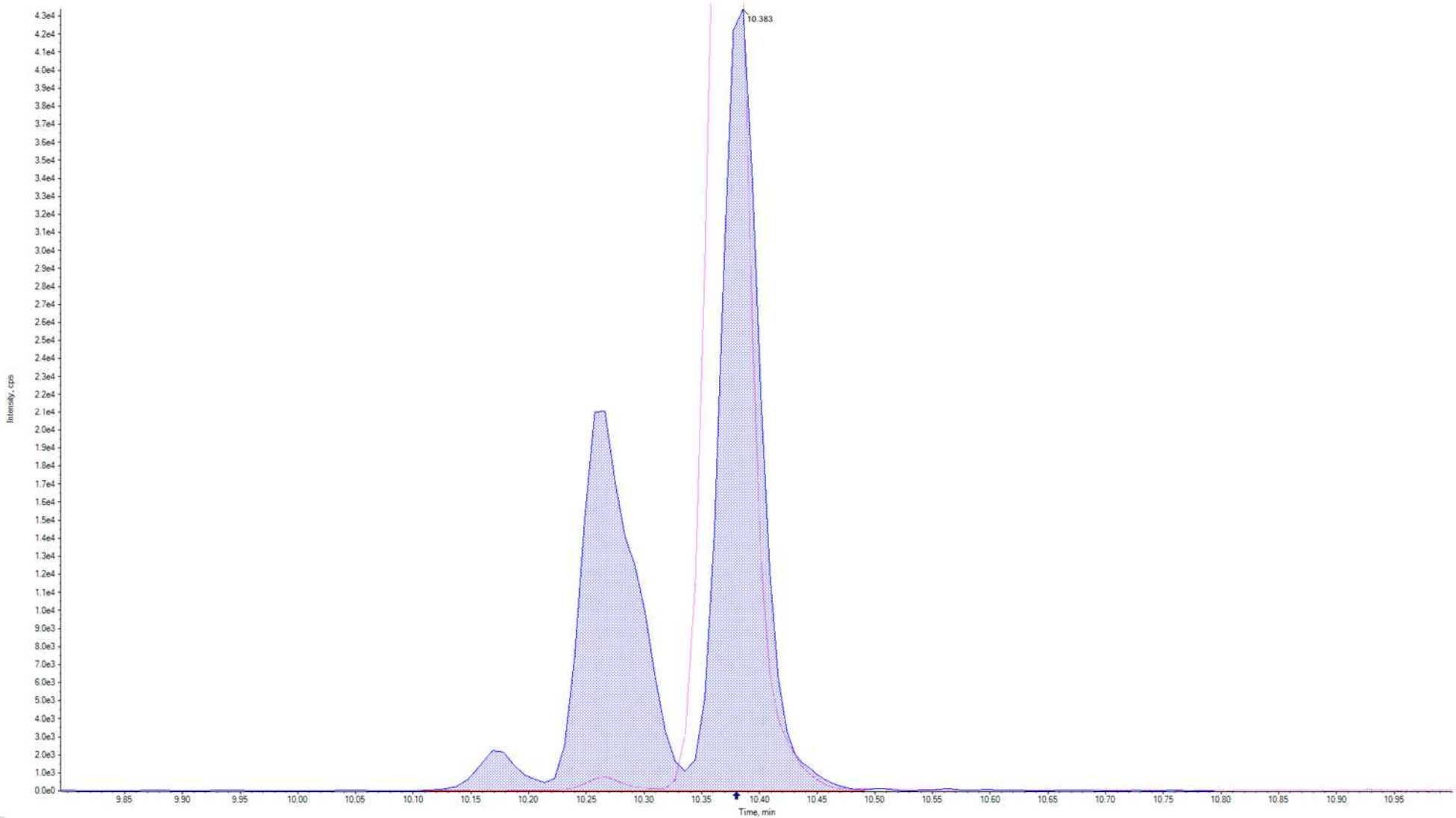
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-2.5 S/N:3225.4 Points Across peak:38



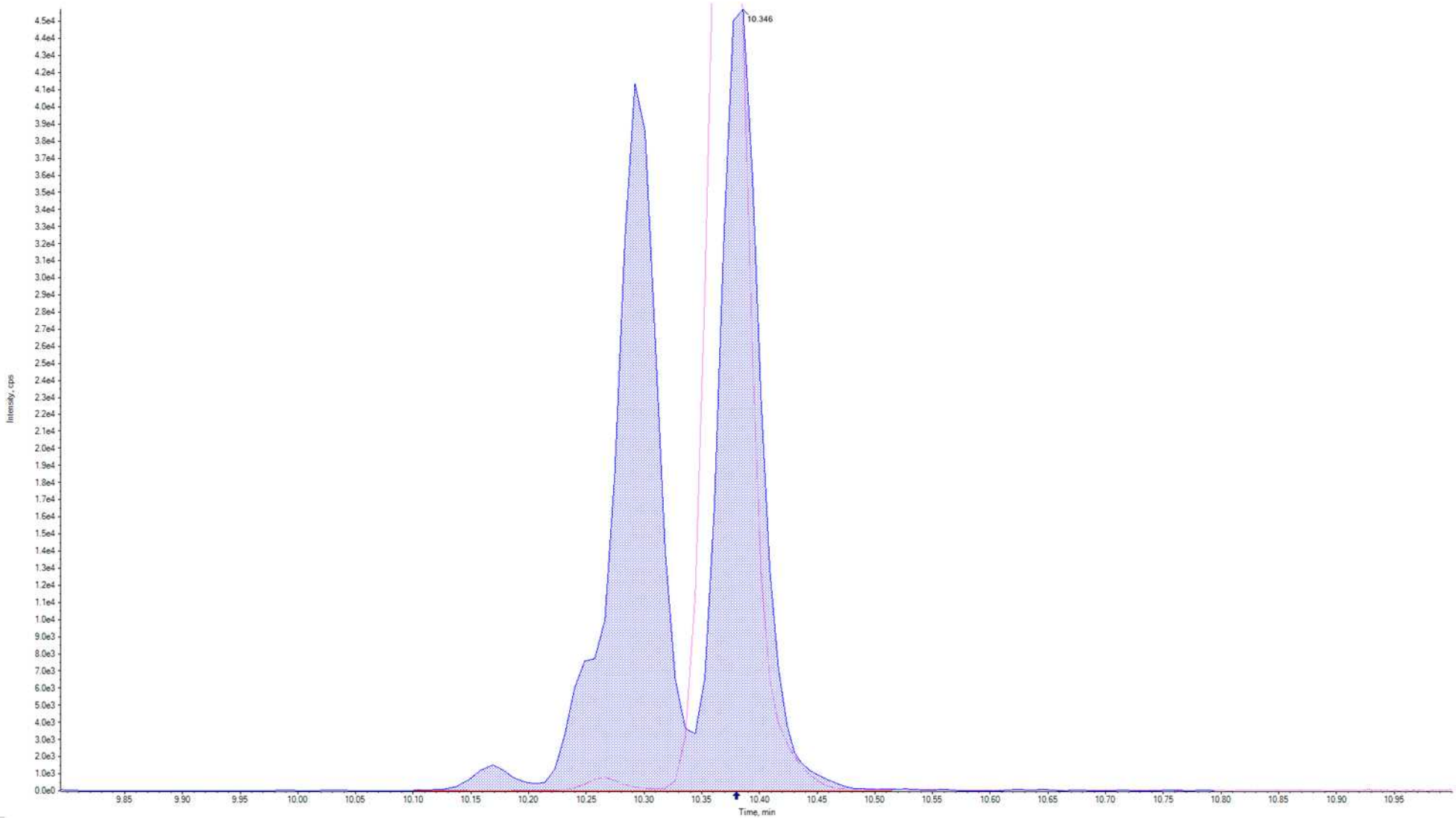
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-2.5 S/N:6895810.4 Points Across peak:49



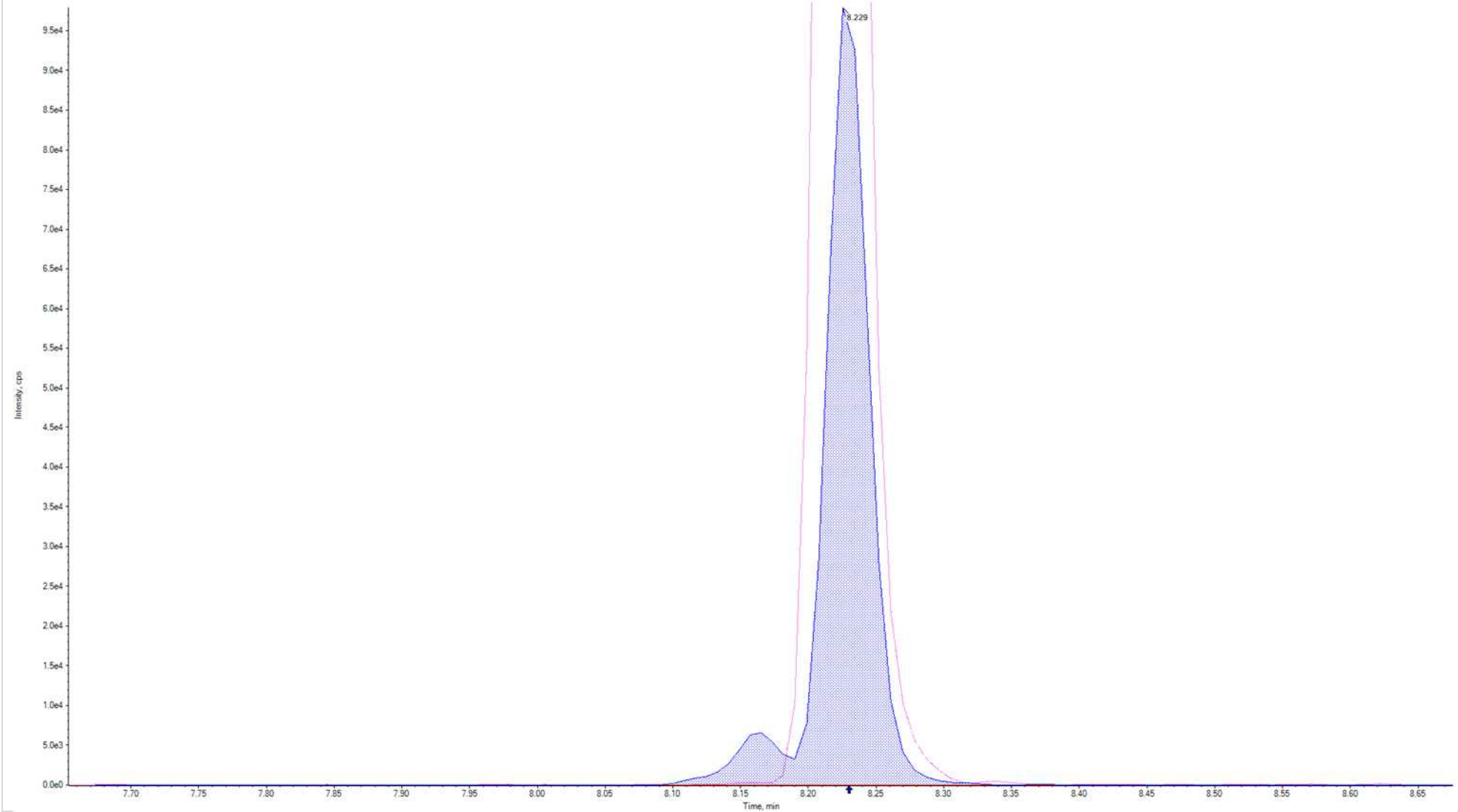
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-2.5 S/N:8218641.8 Points Across peak:53



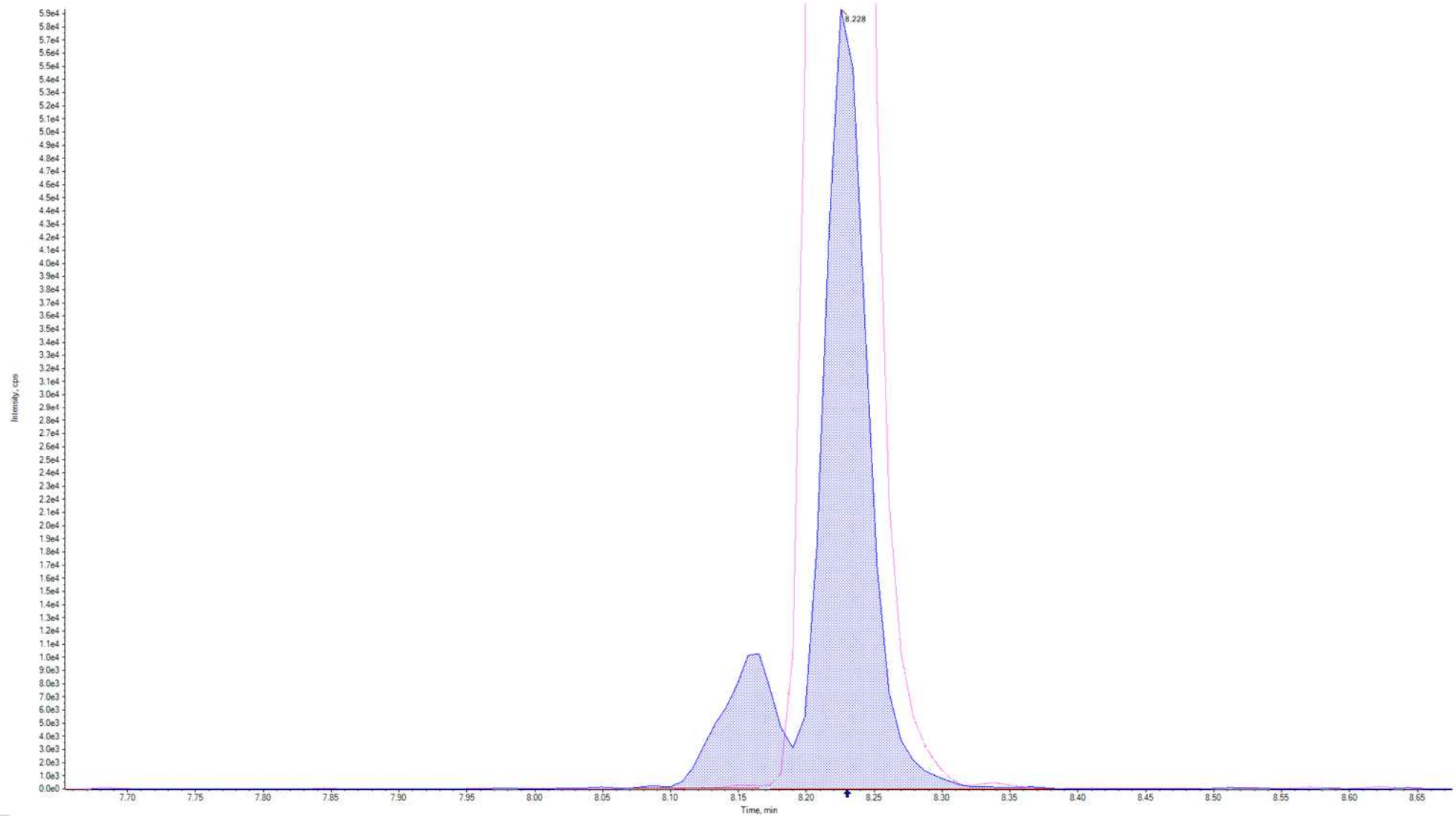
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:1248.7 Points Across peak:52



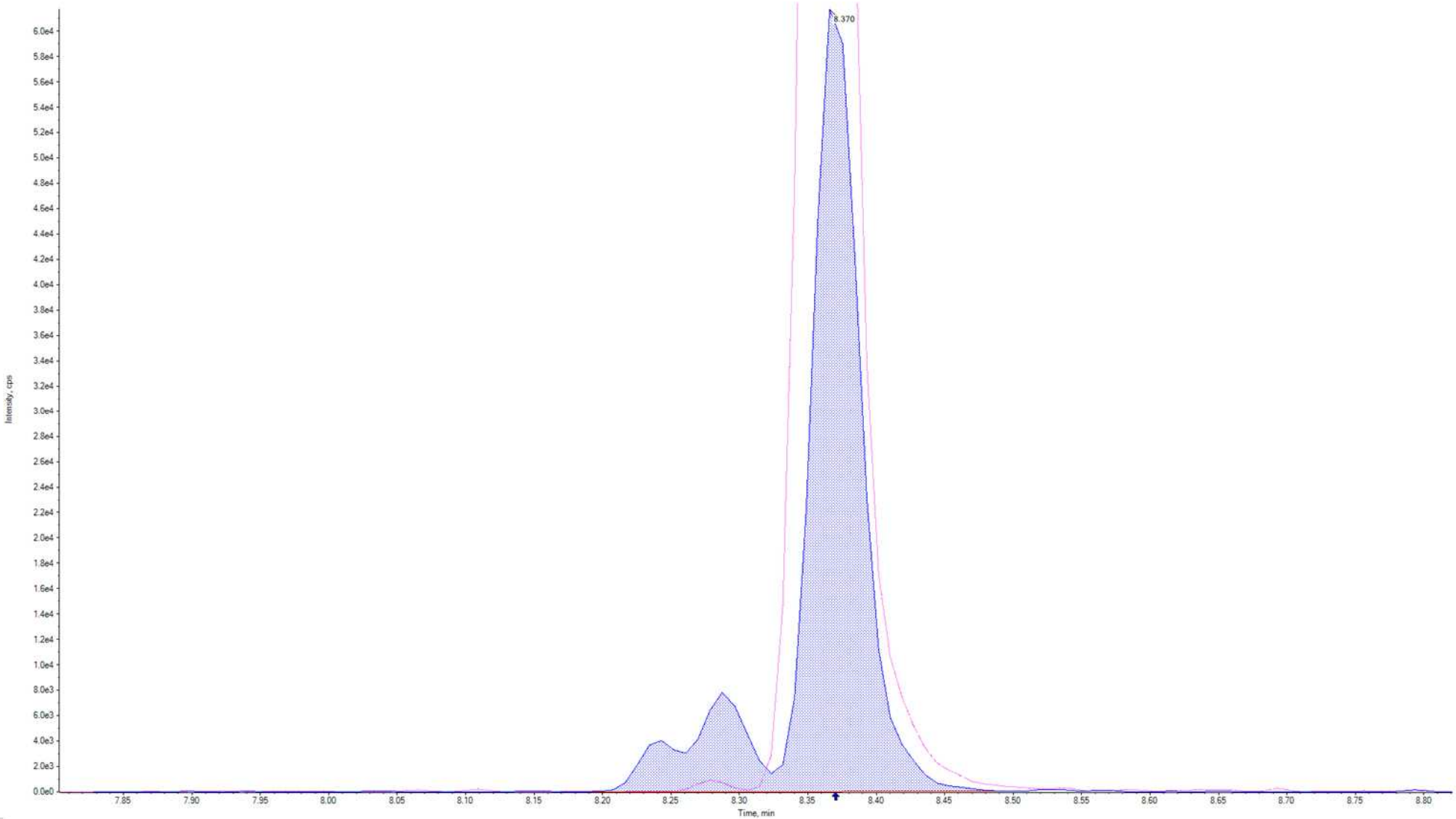
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:560.8 Points Across peak:40



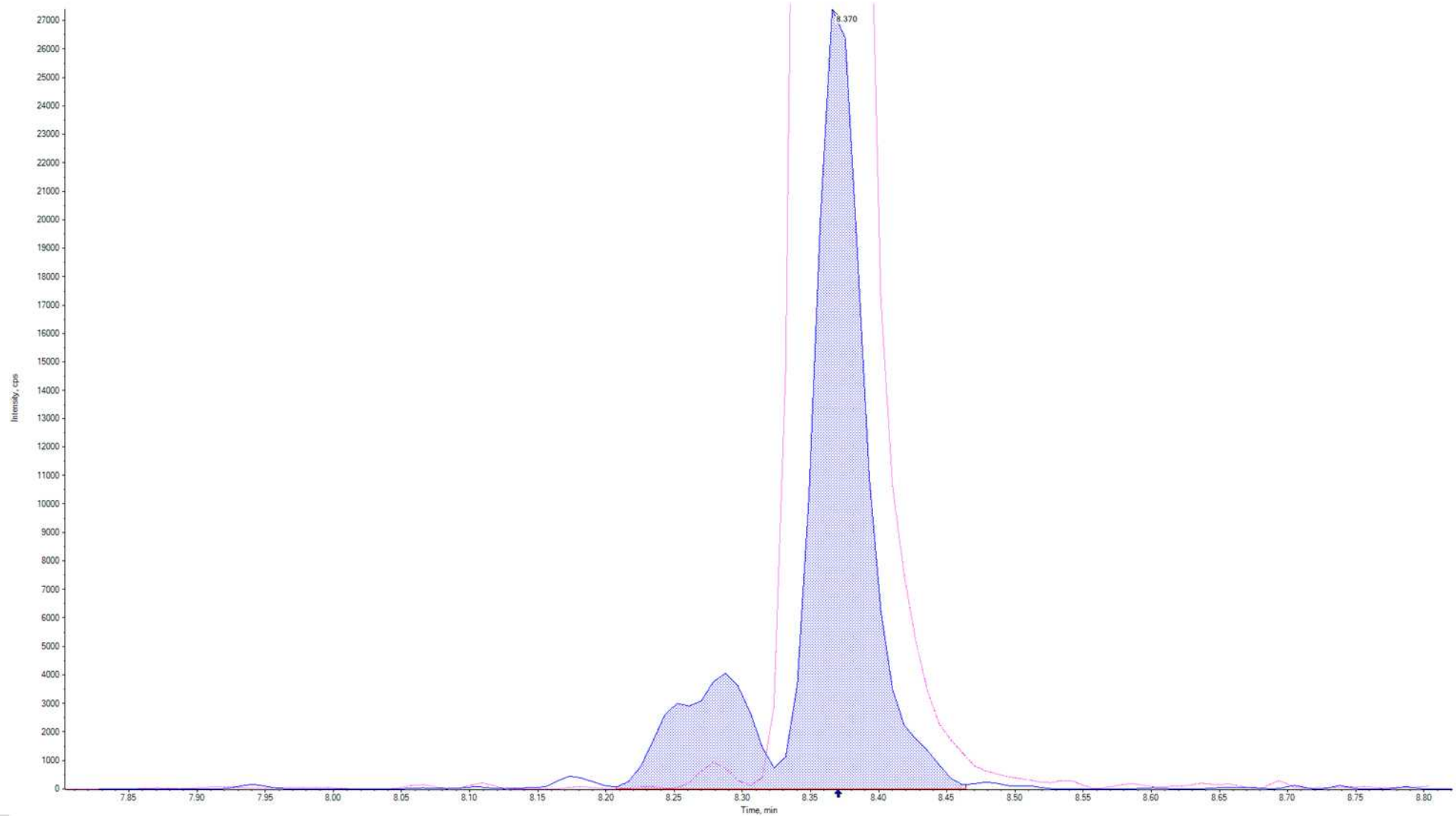
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:563.9 Points Across peak:38



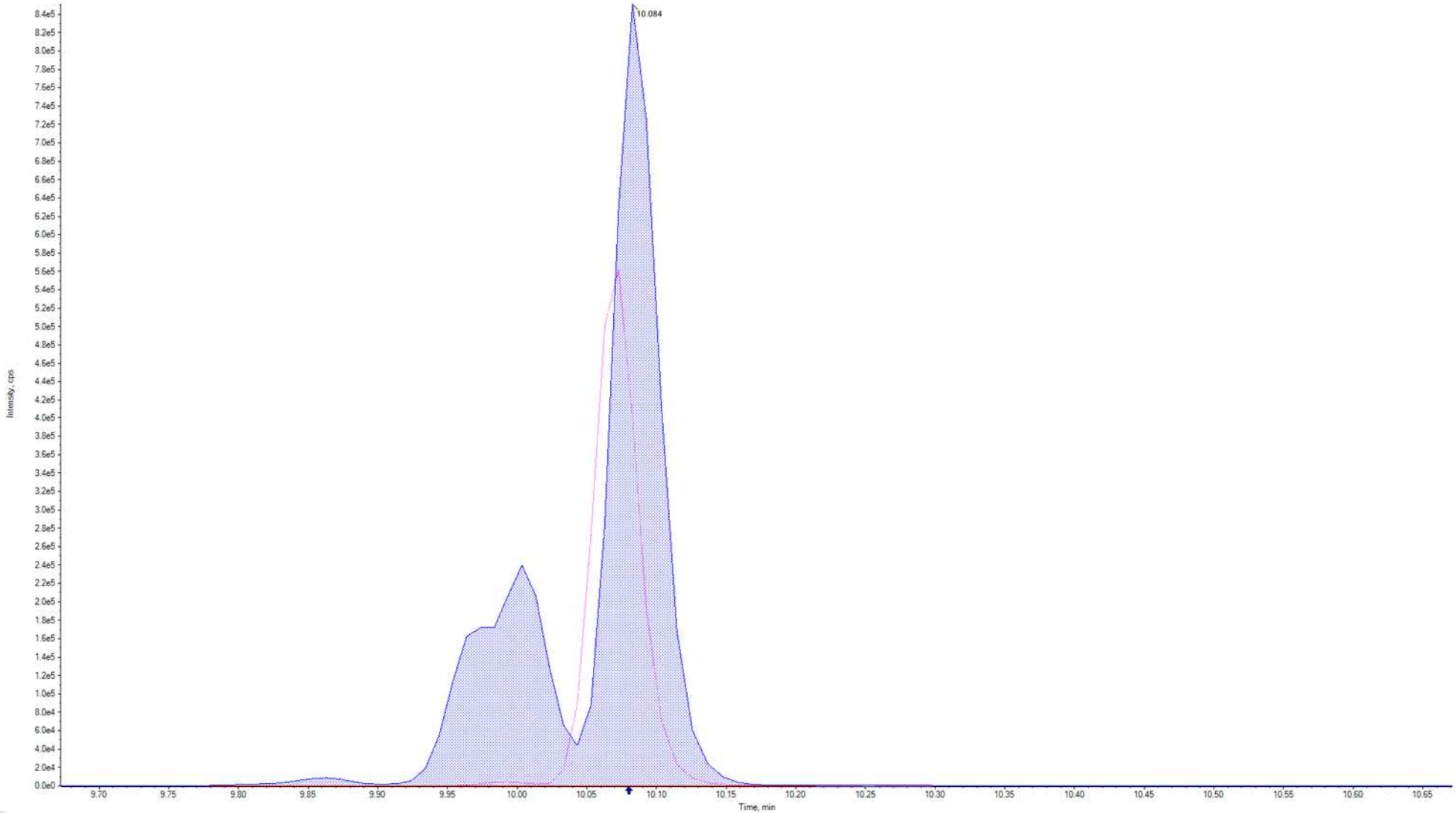
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:370.9 Points Across peak:32



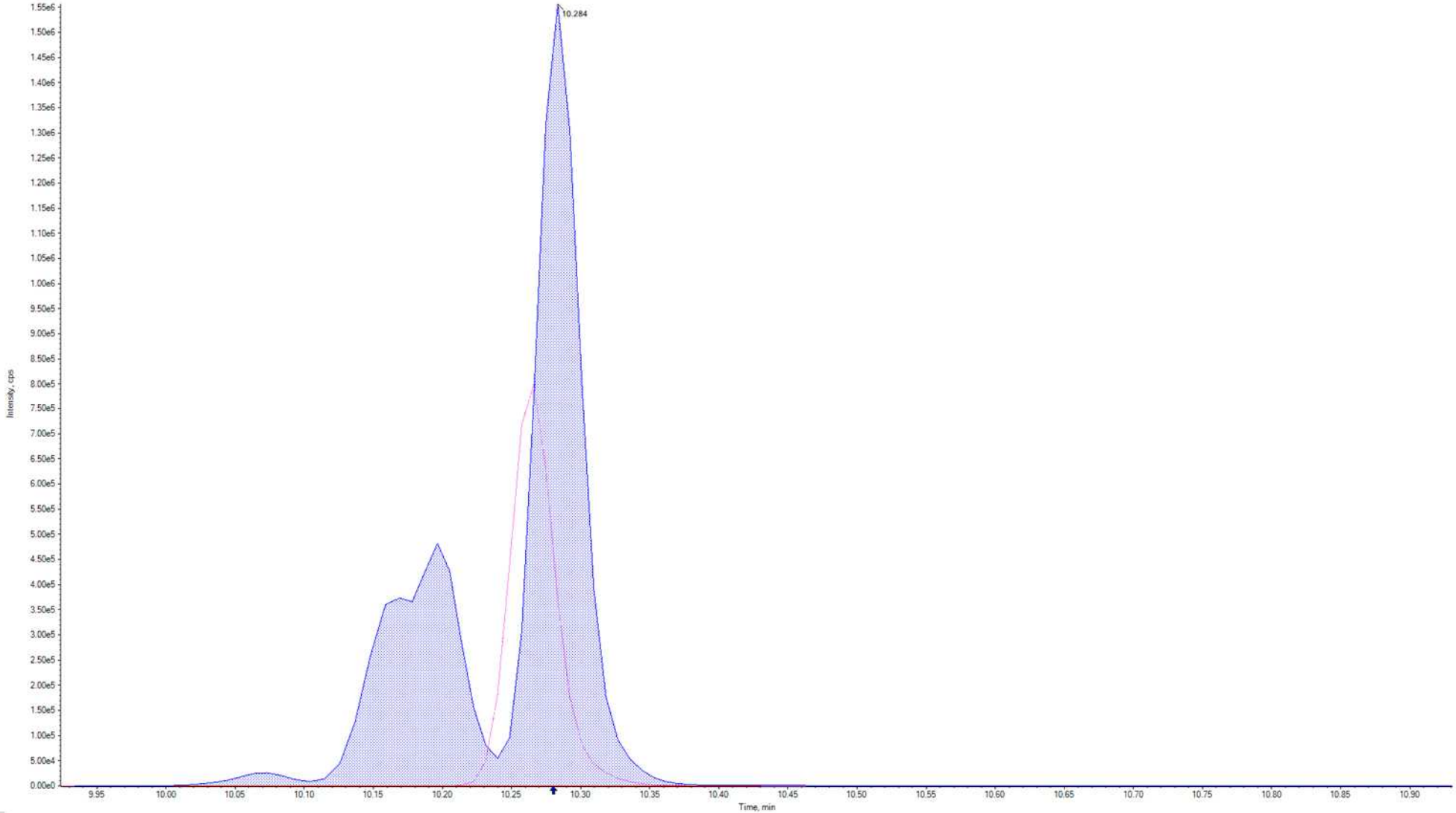
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-2.5 S/N:13701.2 Points Across peak:51



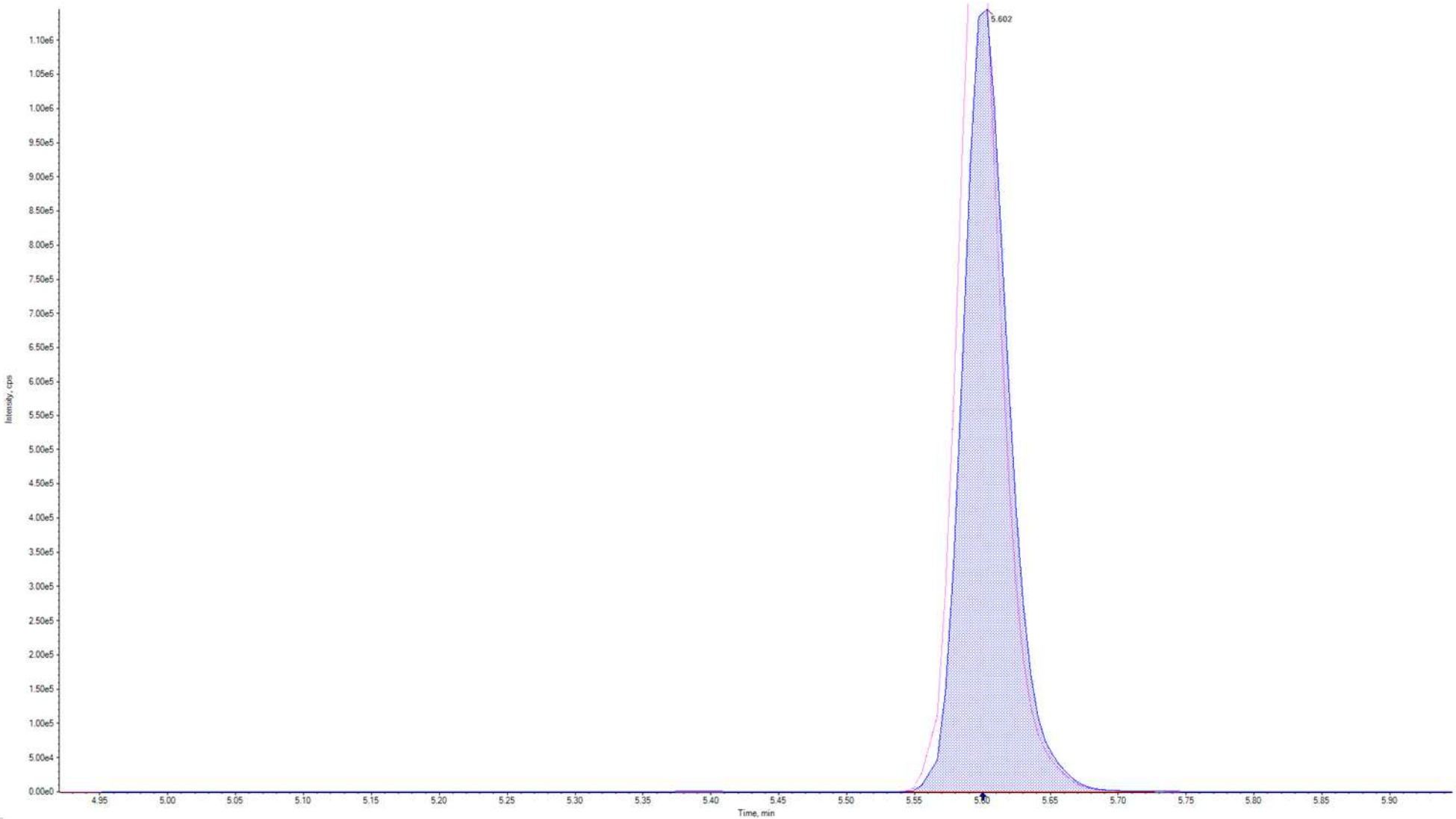
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-2.5 S/N:3391.6 Points Across peak:51



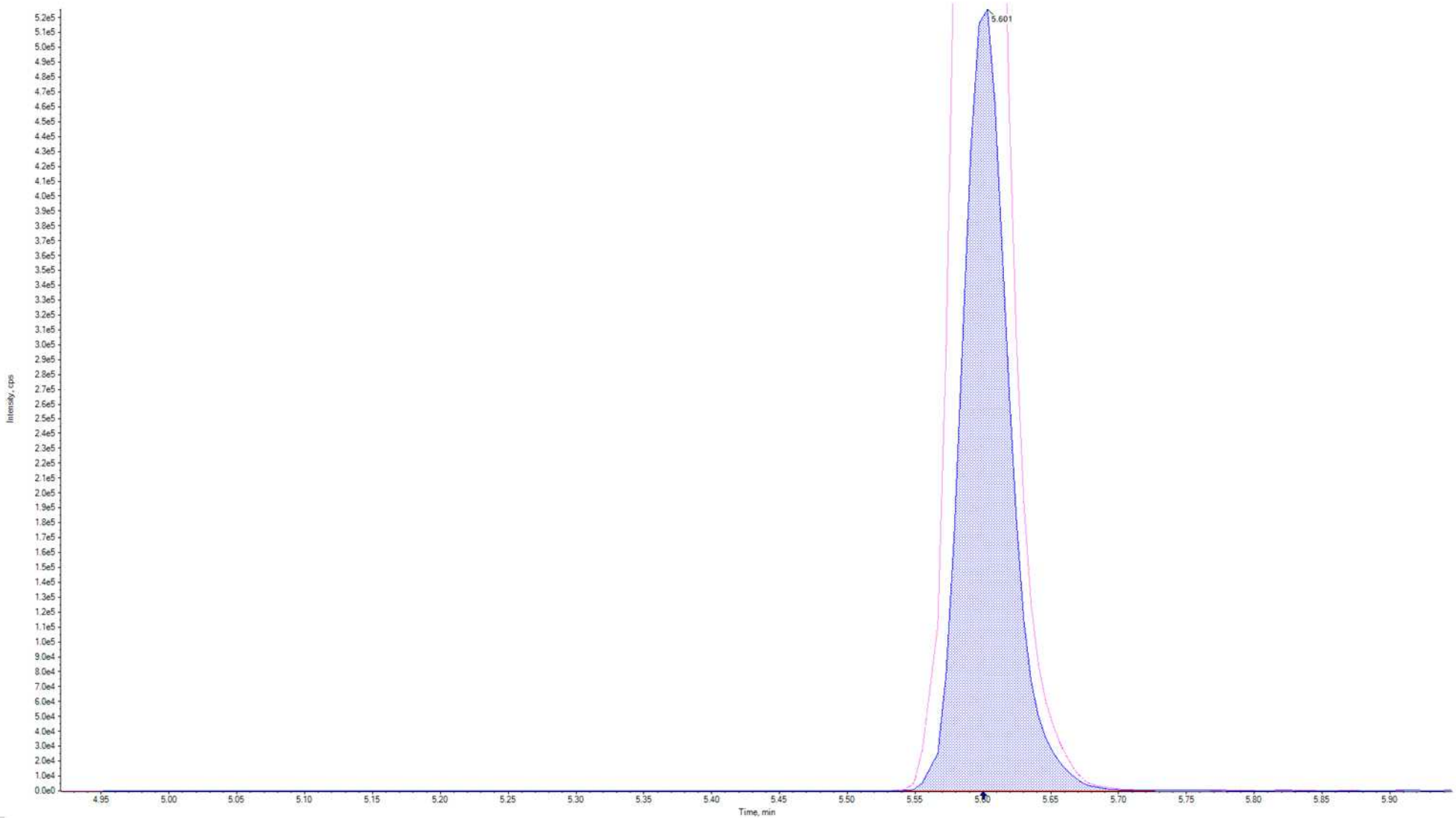
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-2.5 S/N:18258.1 Points Across peak:39



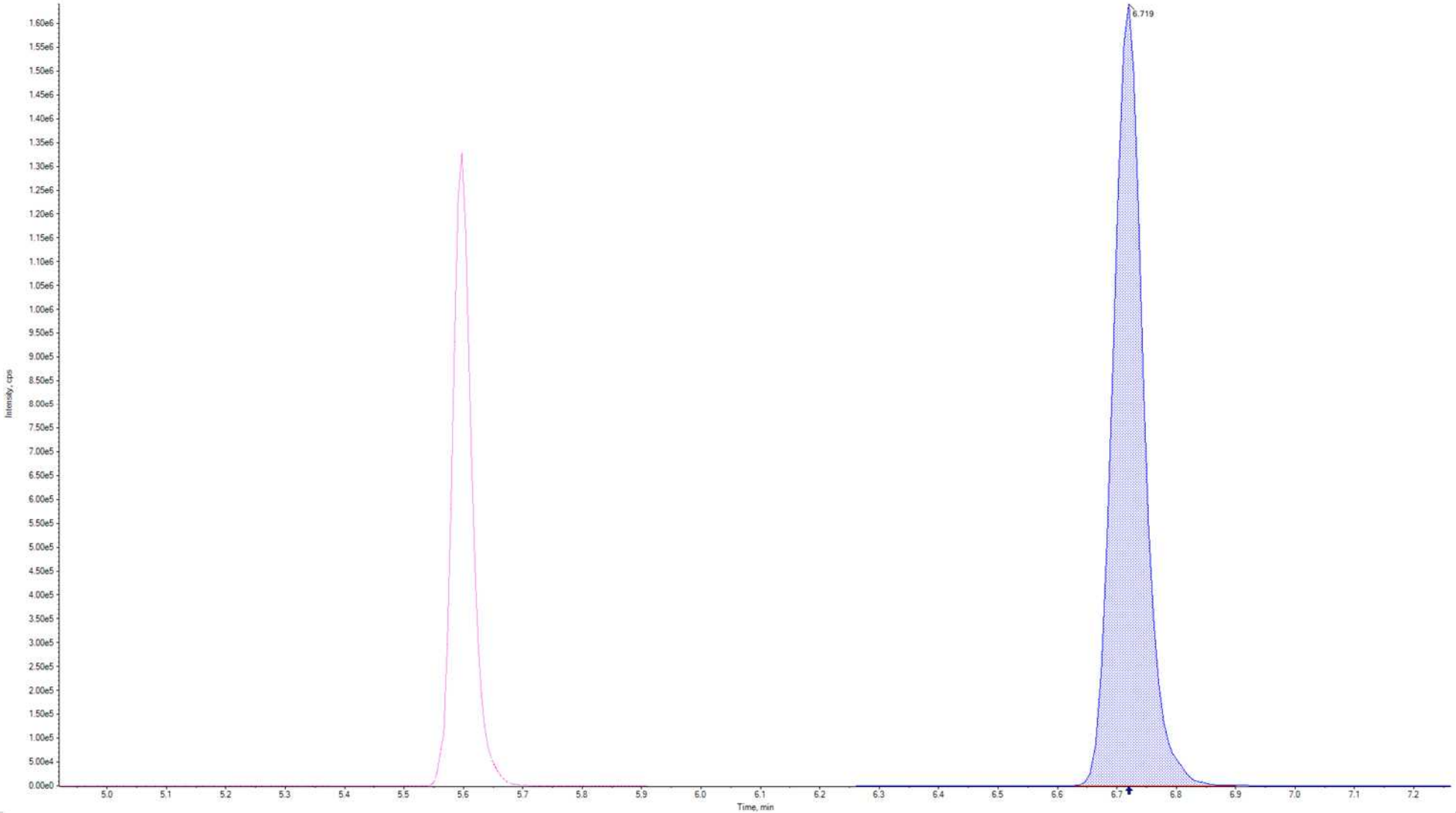
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-2.5 S/N:4130.1 Points Across peak:41



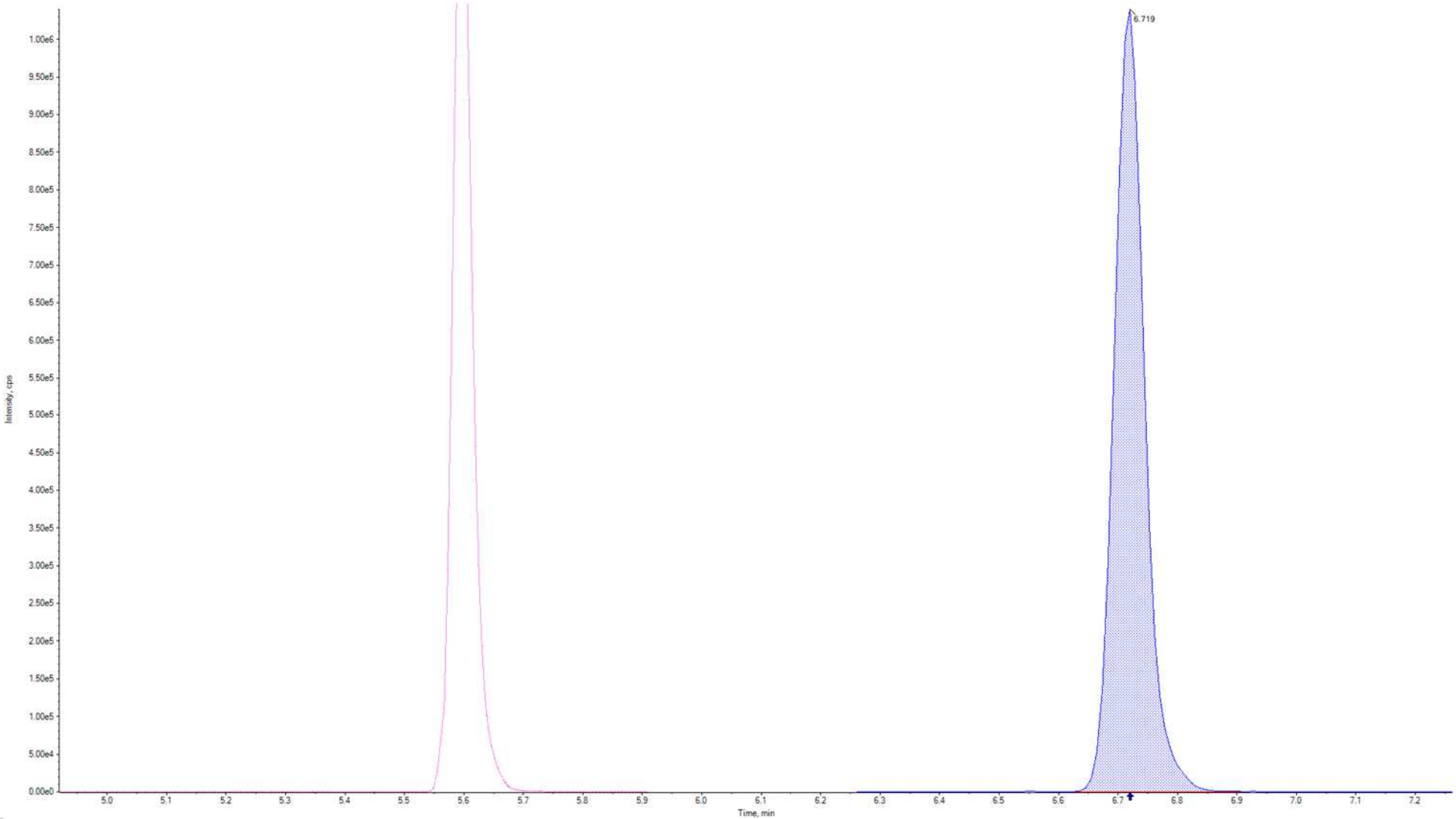
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-2.5 S/N:15728.1 Points Across peak:40



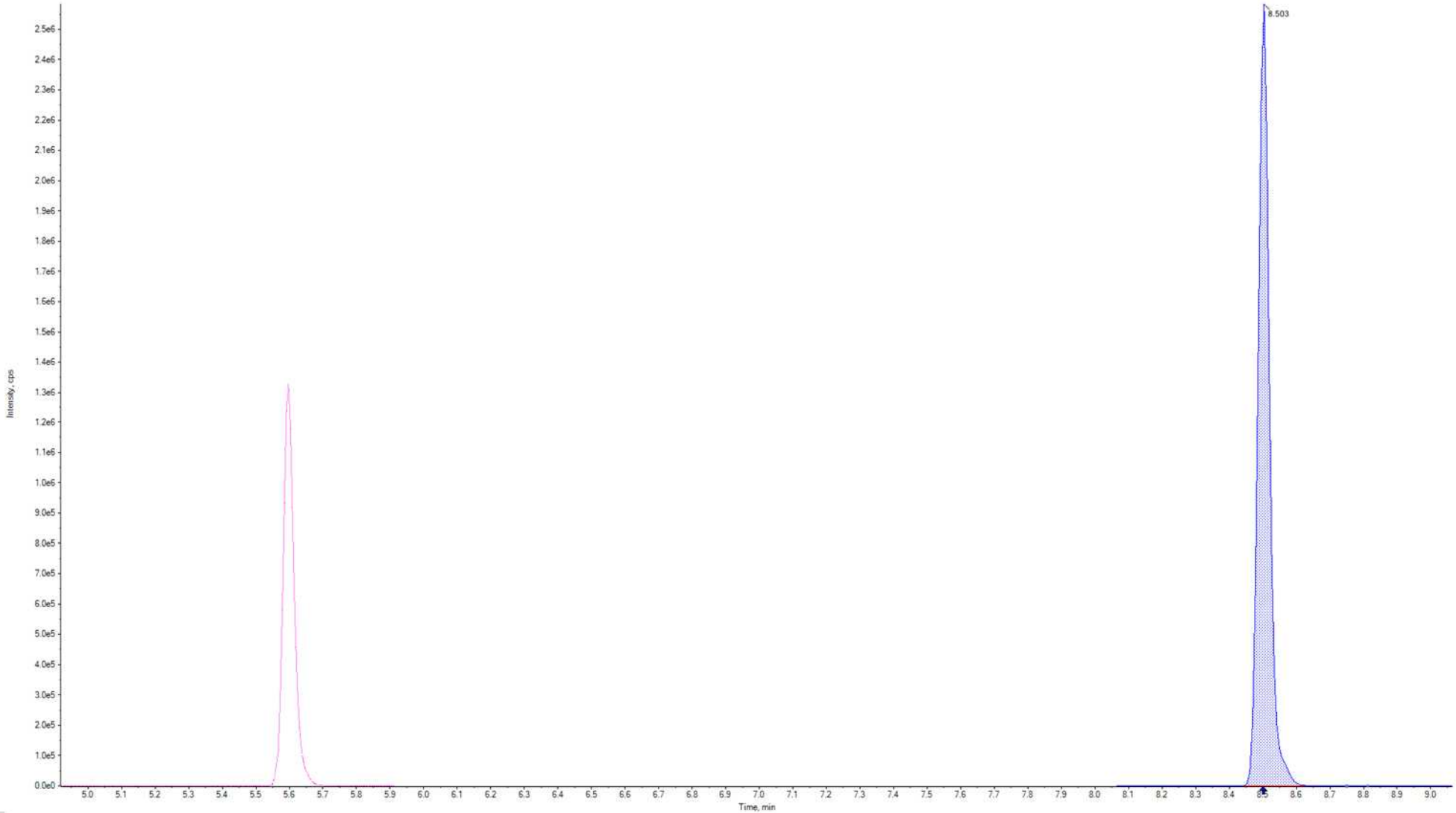
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-2.5 S/N:127491.5 Points Across peak:41



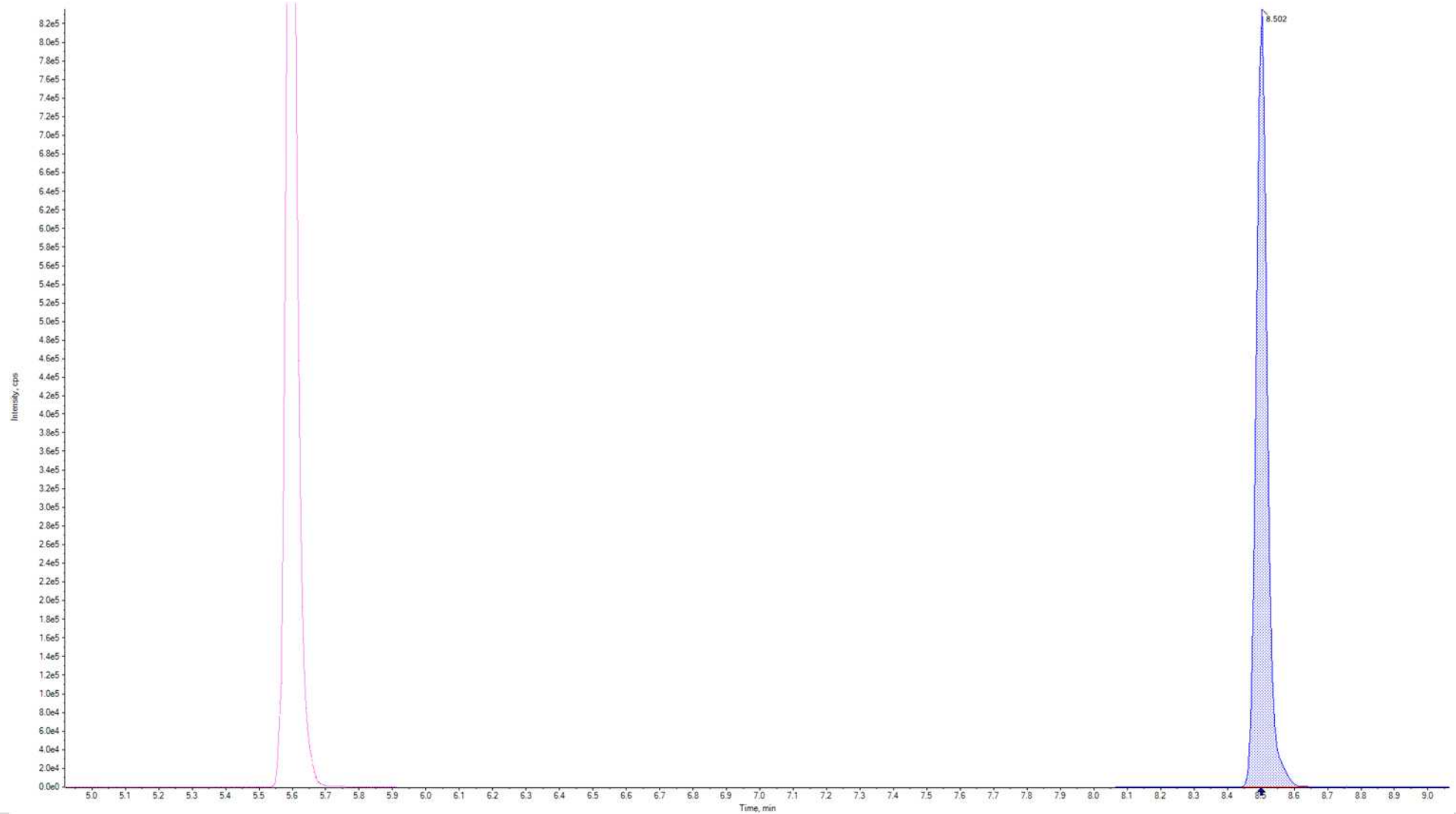
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:6318.1 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:425058.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

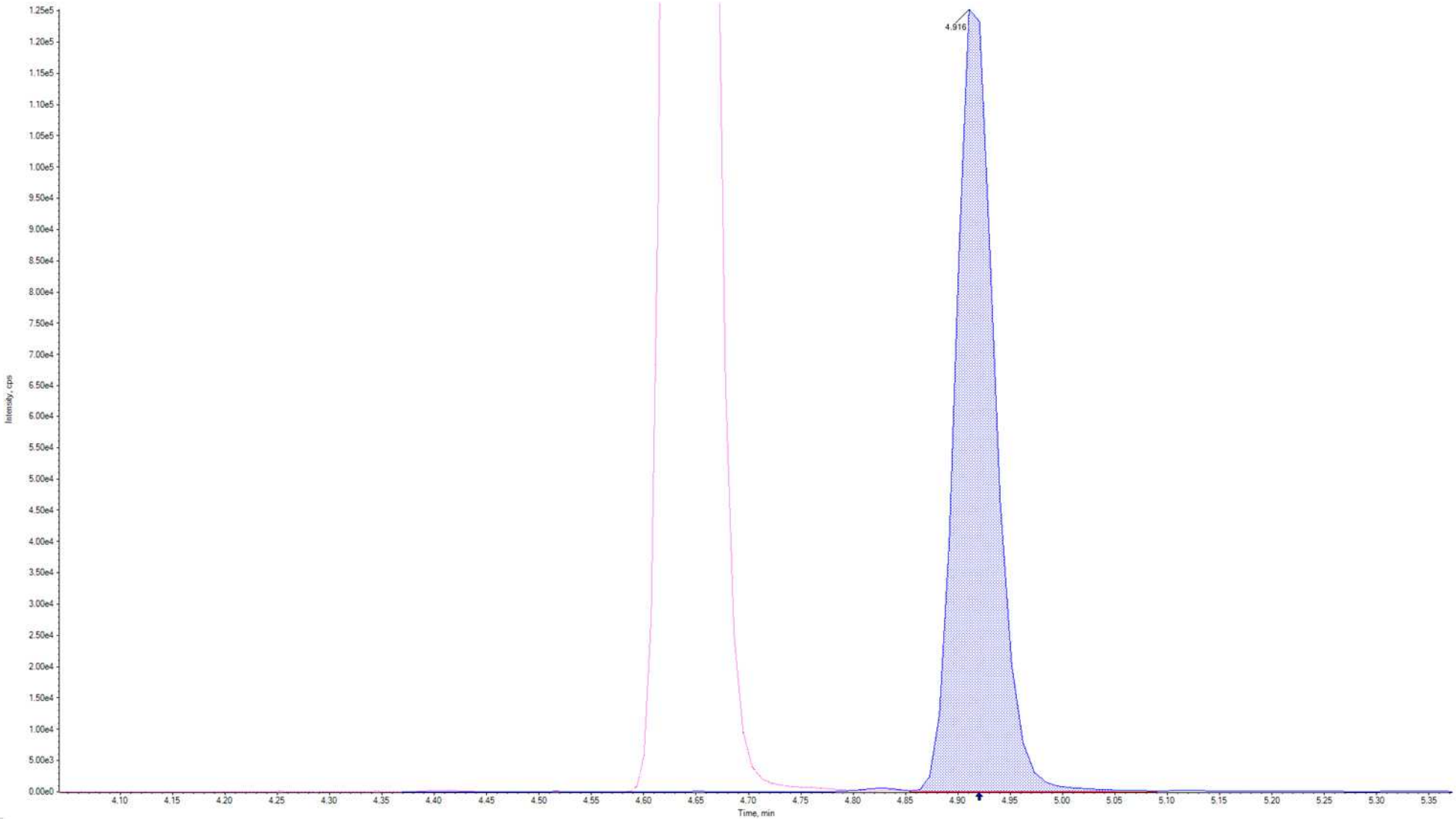
11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:549080.4 Points Across peak:43

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:79273.5 Points Across peak:50

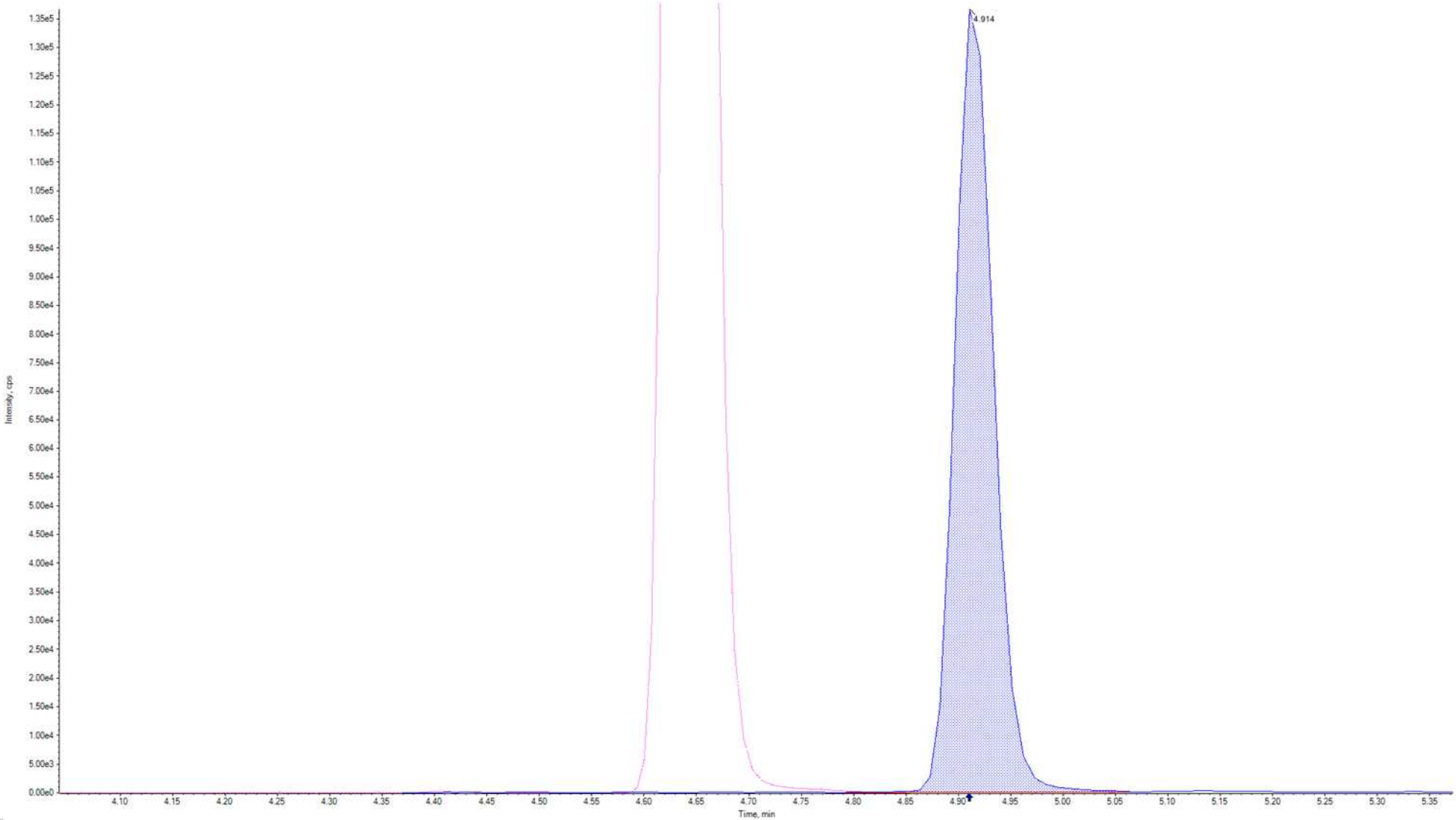
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-2.5 S/N:1463.7 Points Across peak:25



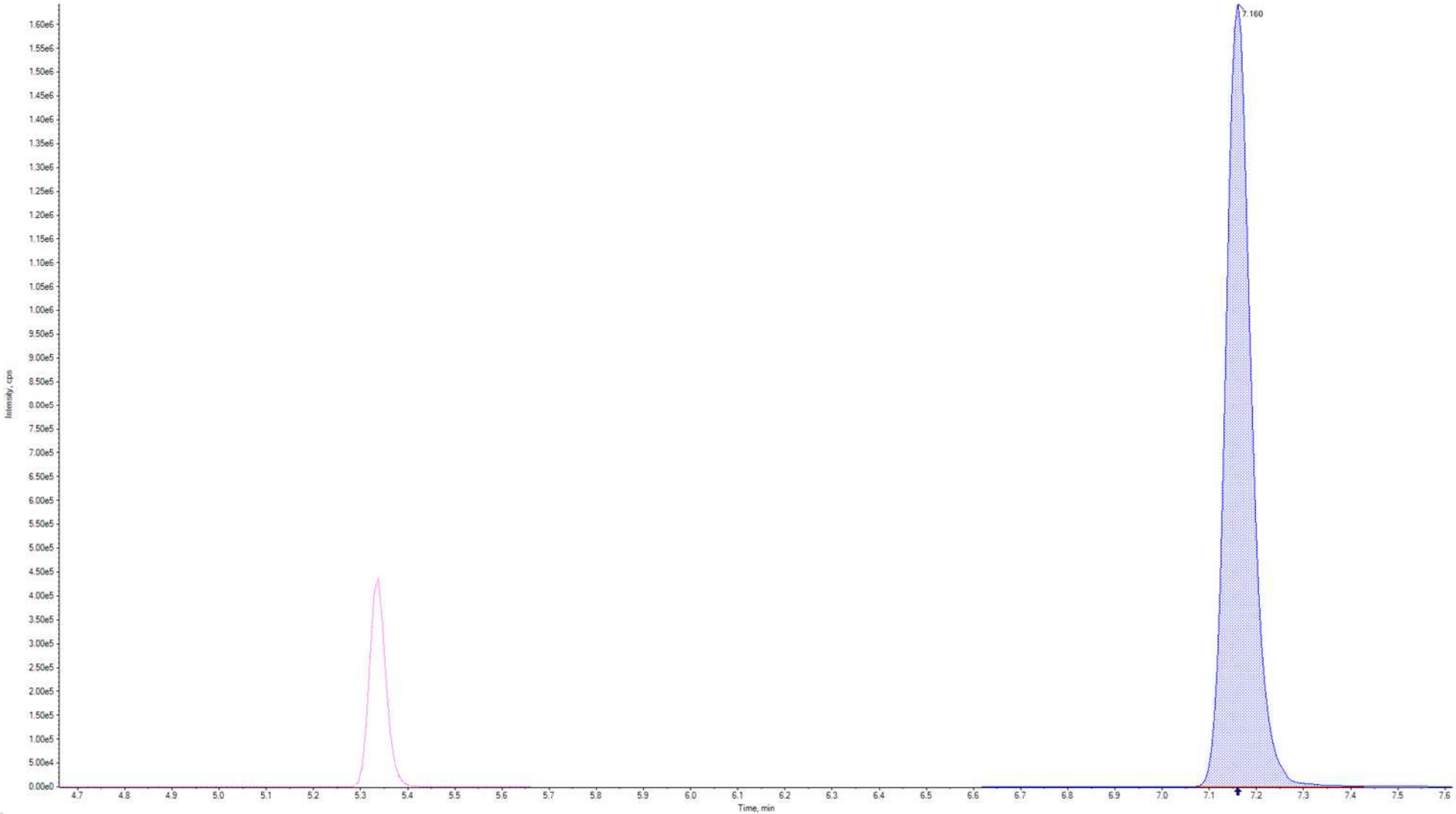
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:7579.3 Points Across peak:30

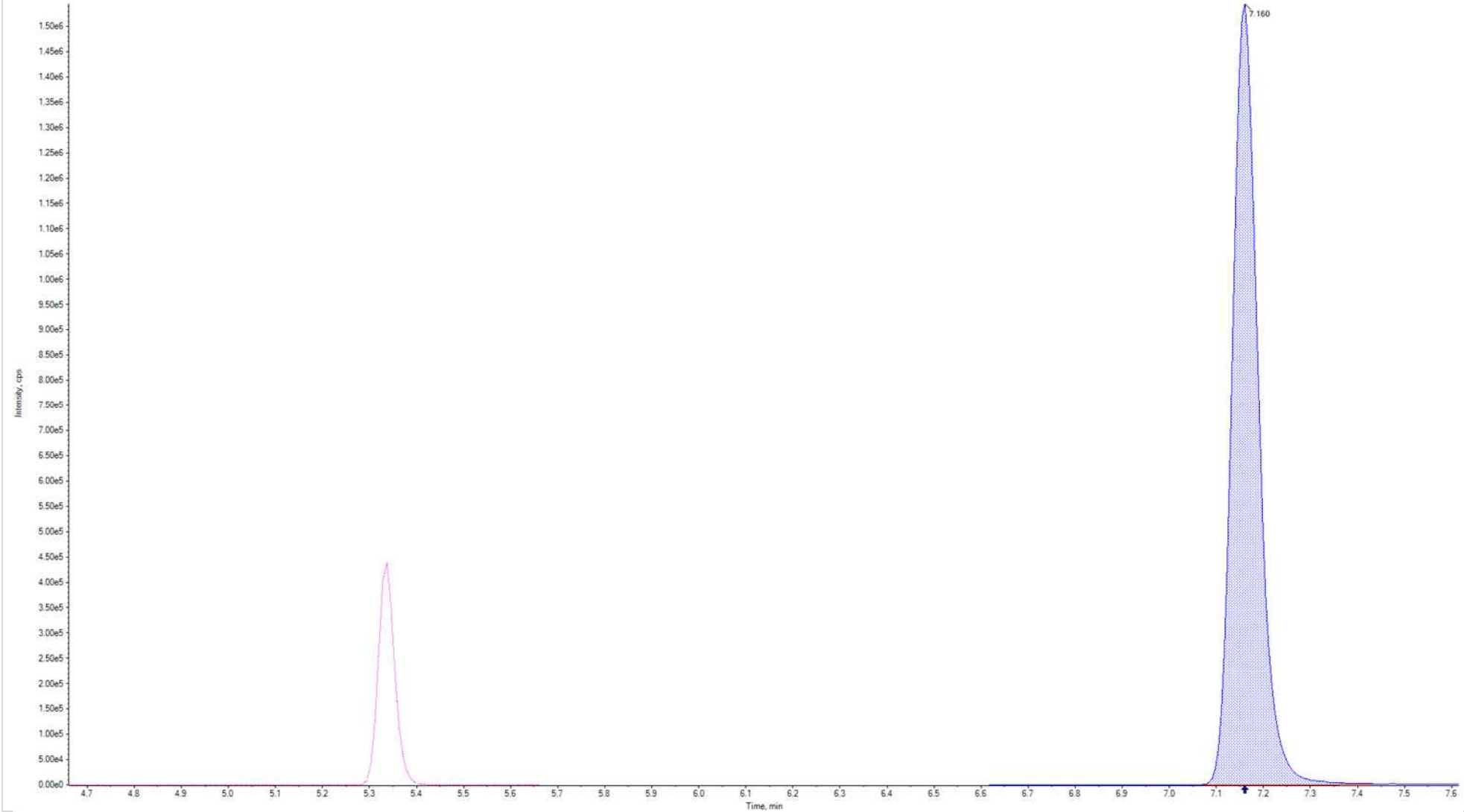


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-2.5 S/N:21074.7 Points Across peak:65

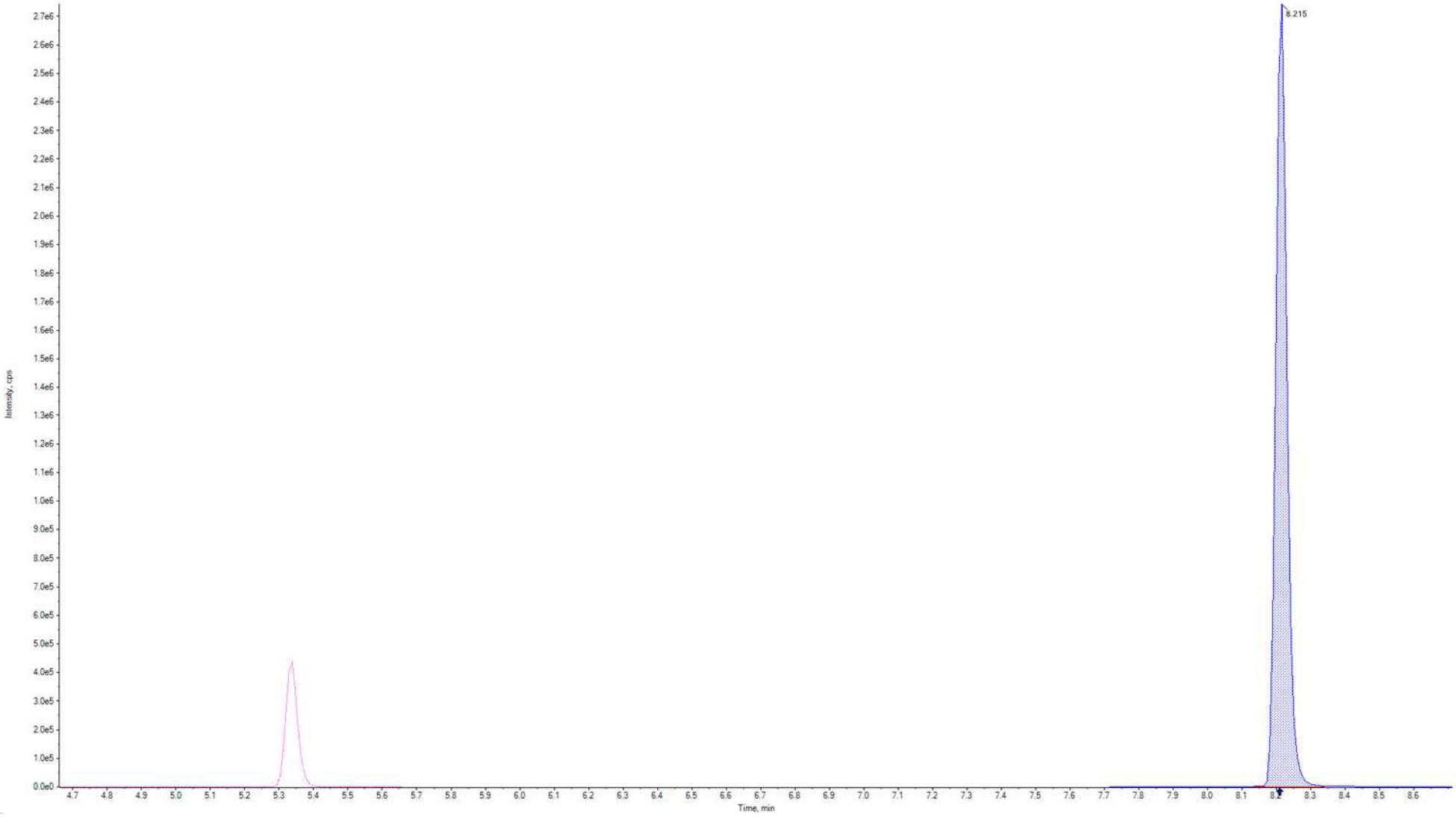


5:3FTCA_2
Sample: IA1633STD-2.5 S/N:11249.5 Points Across peak:73



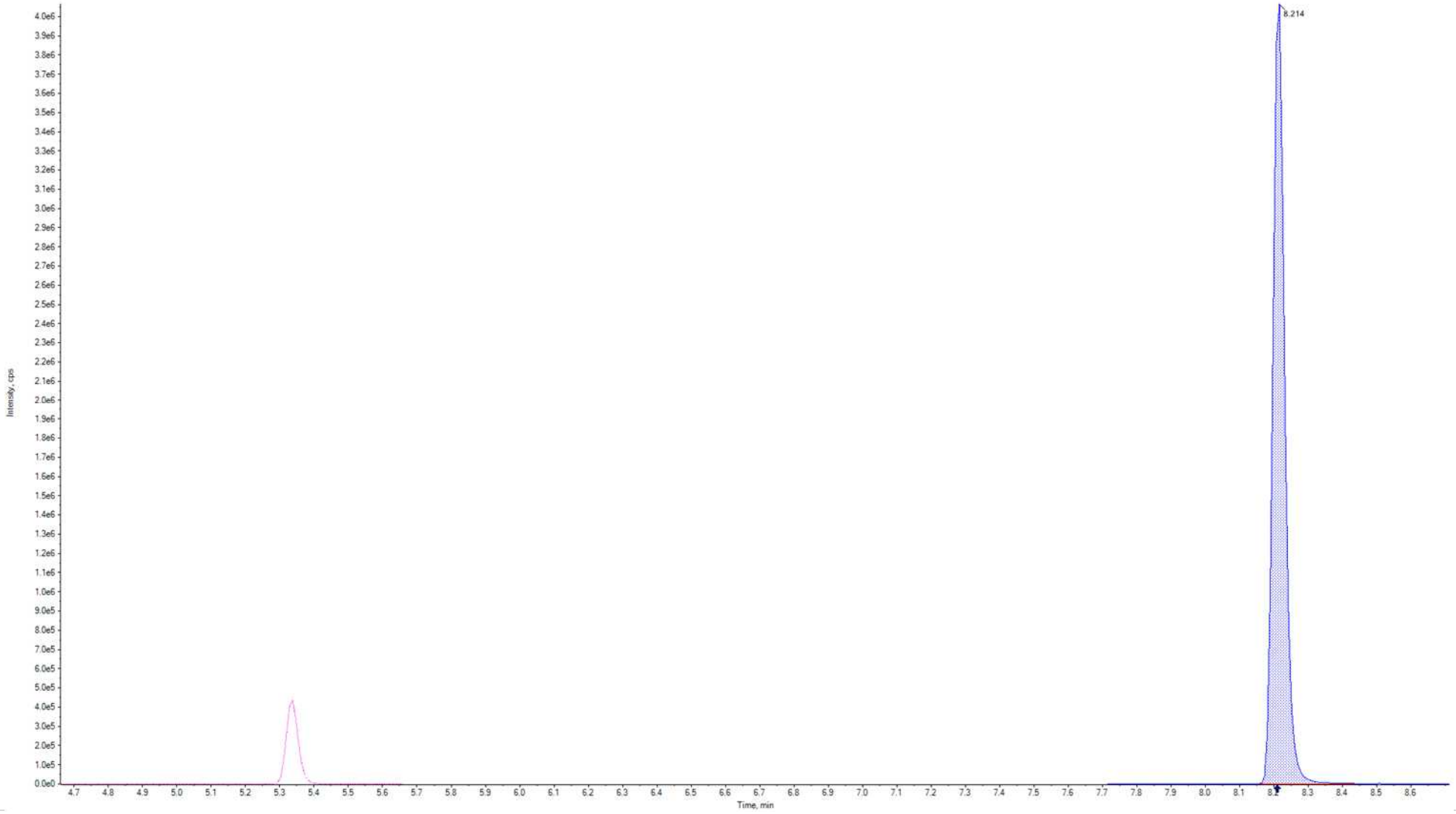
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-2.5 S/N:522133.7 Points Across peak:28



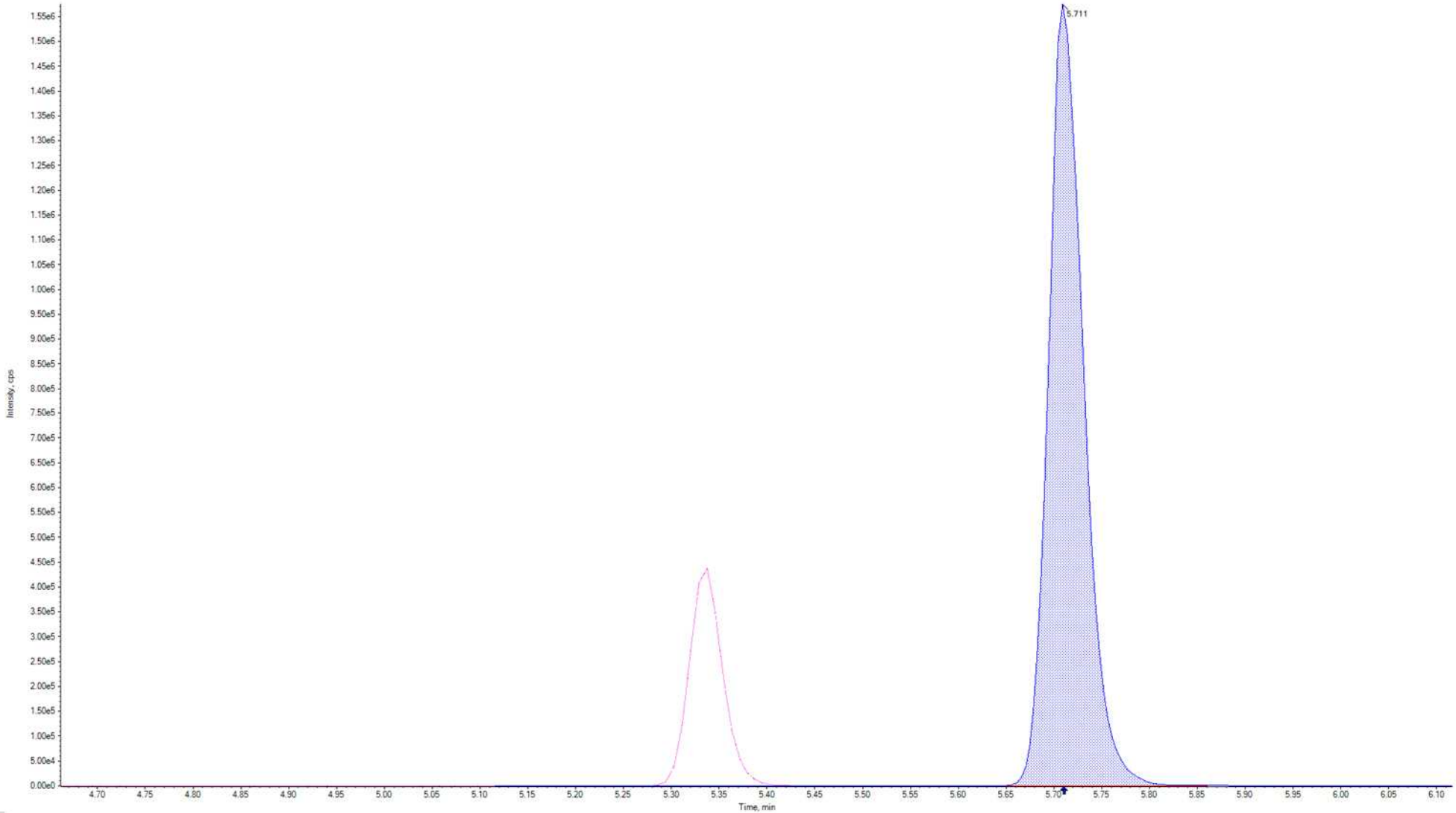
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-2.5 S/N:12414.0 Points Across peak:36



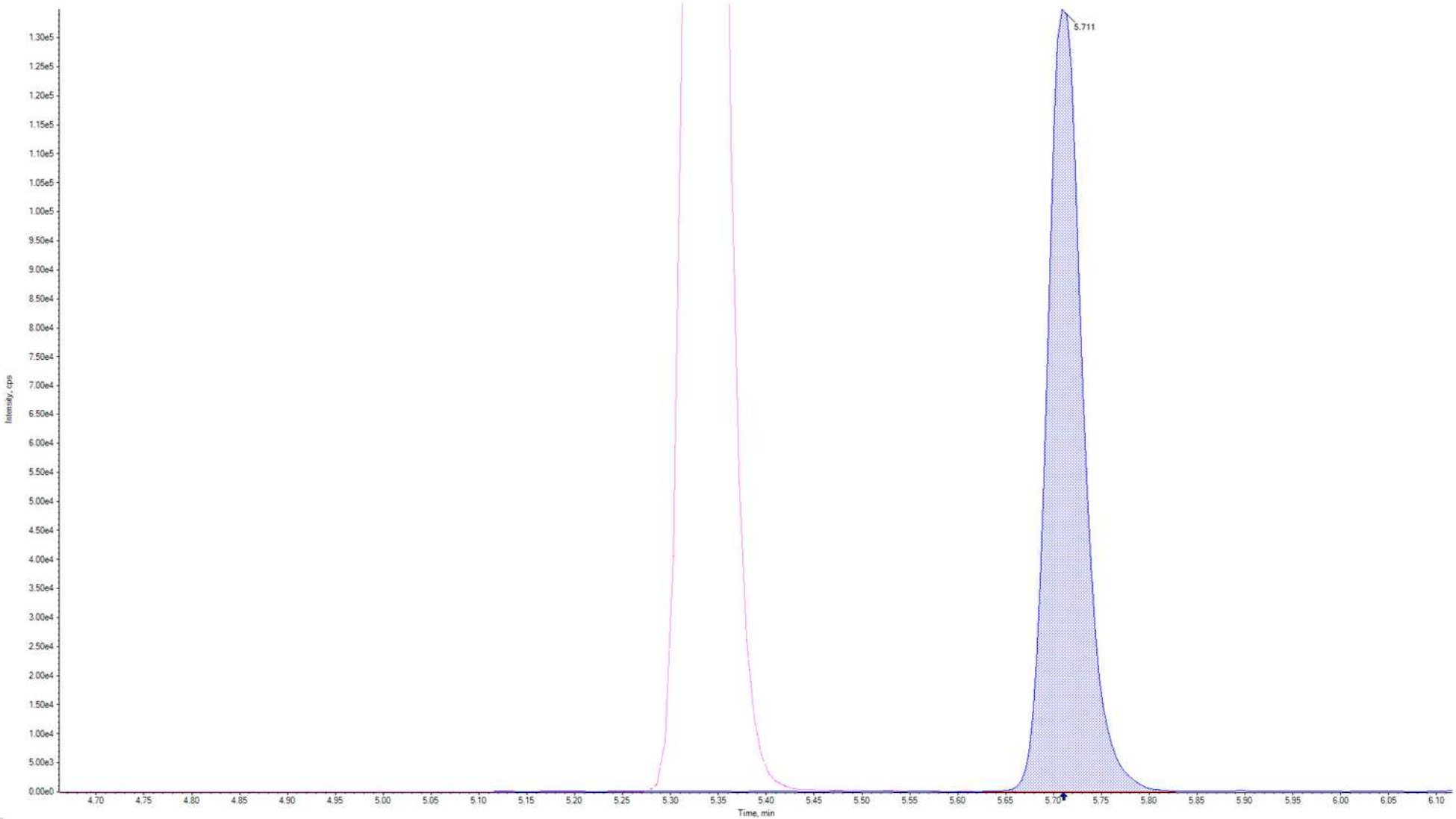
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-2.5 S/N:13782.4 Points Across peak:49



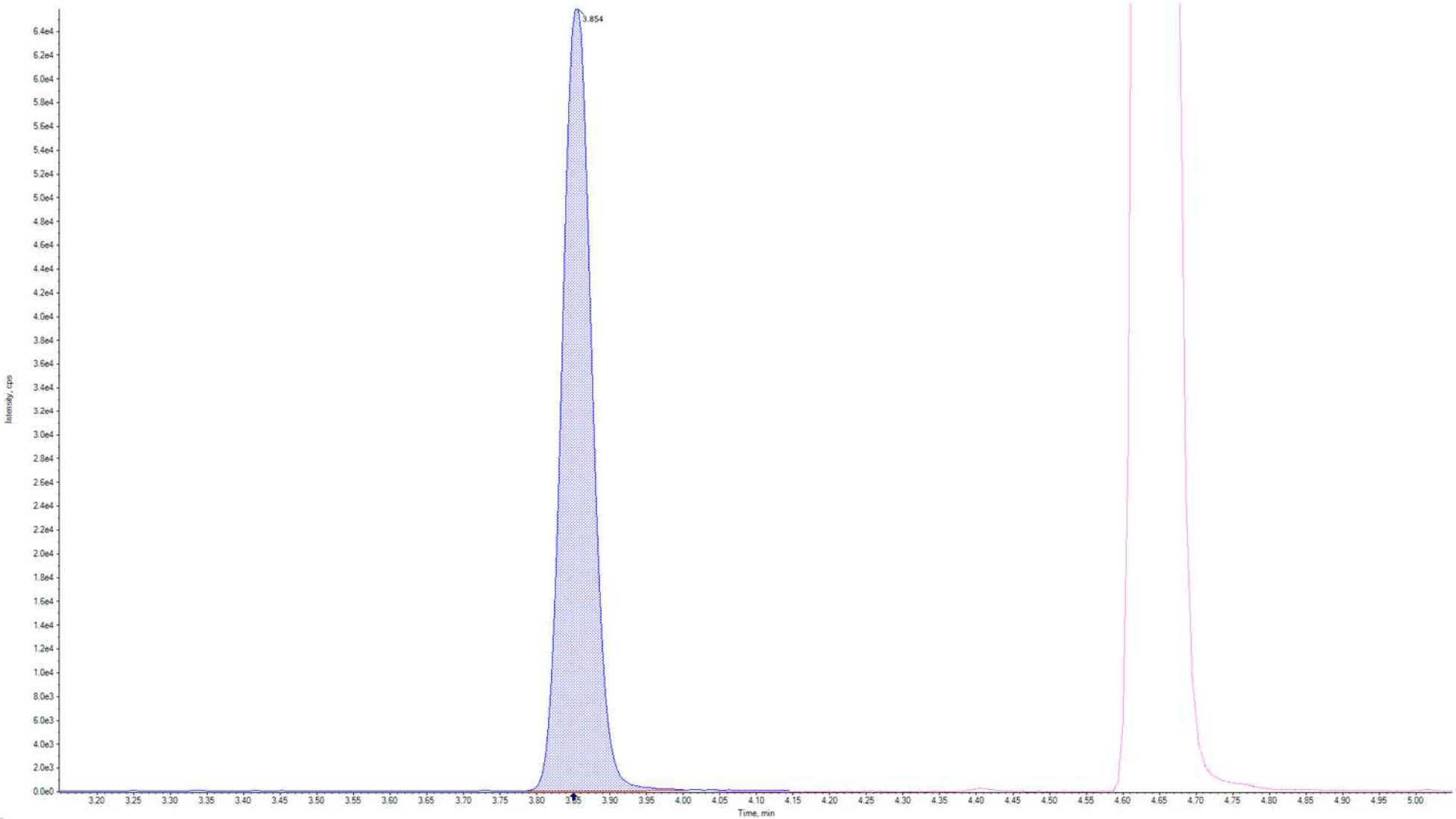
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-2.5 S/N:5167.2 Points Across peak:47



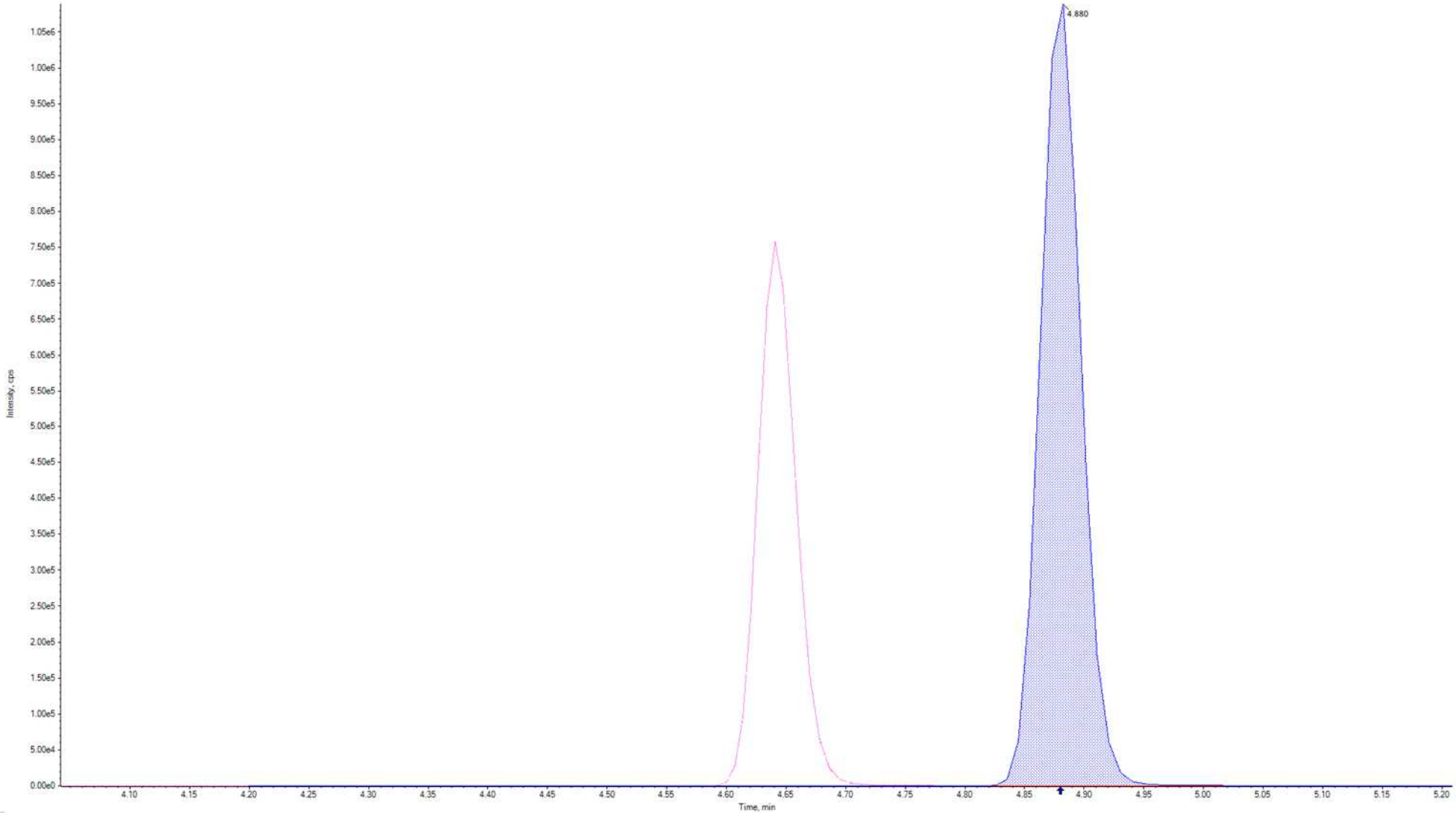
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-2.5 S/N:3254.6 Points Across peak:56



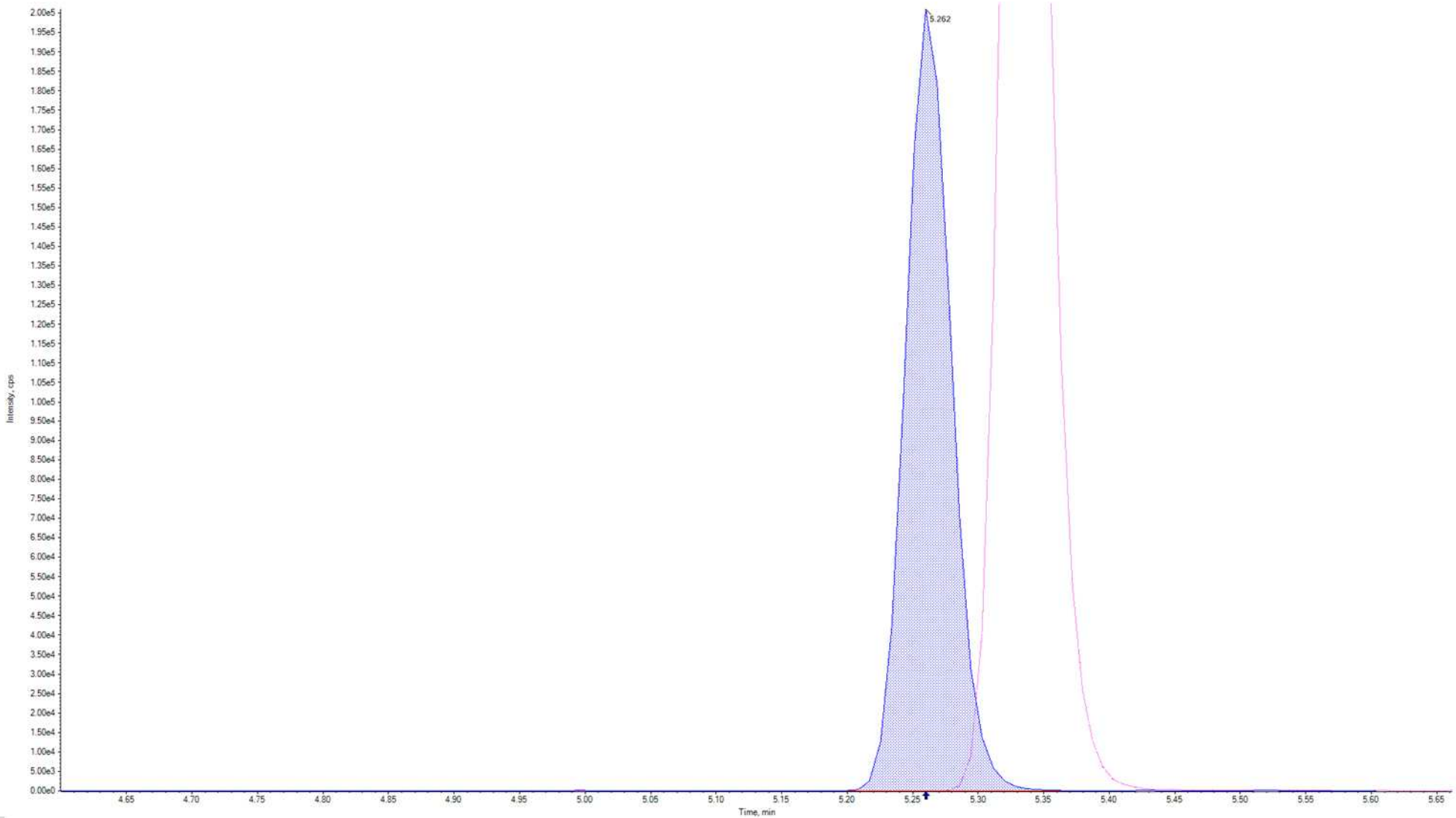
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-2.5 S/N:9690.8 Points Across peak:32



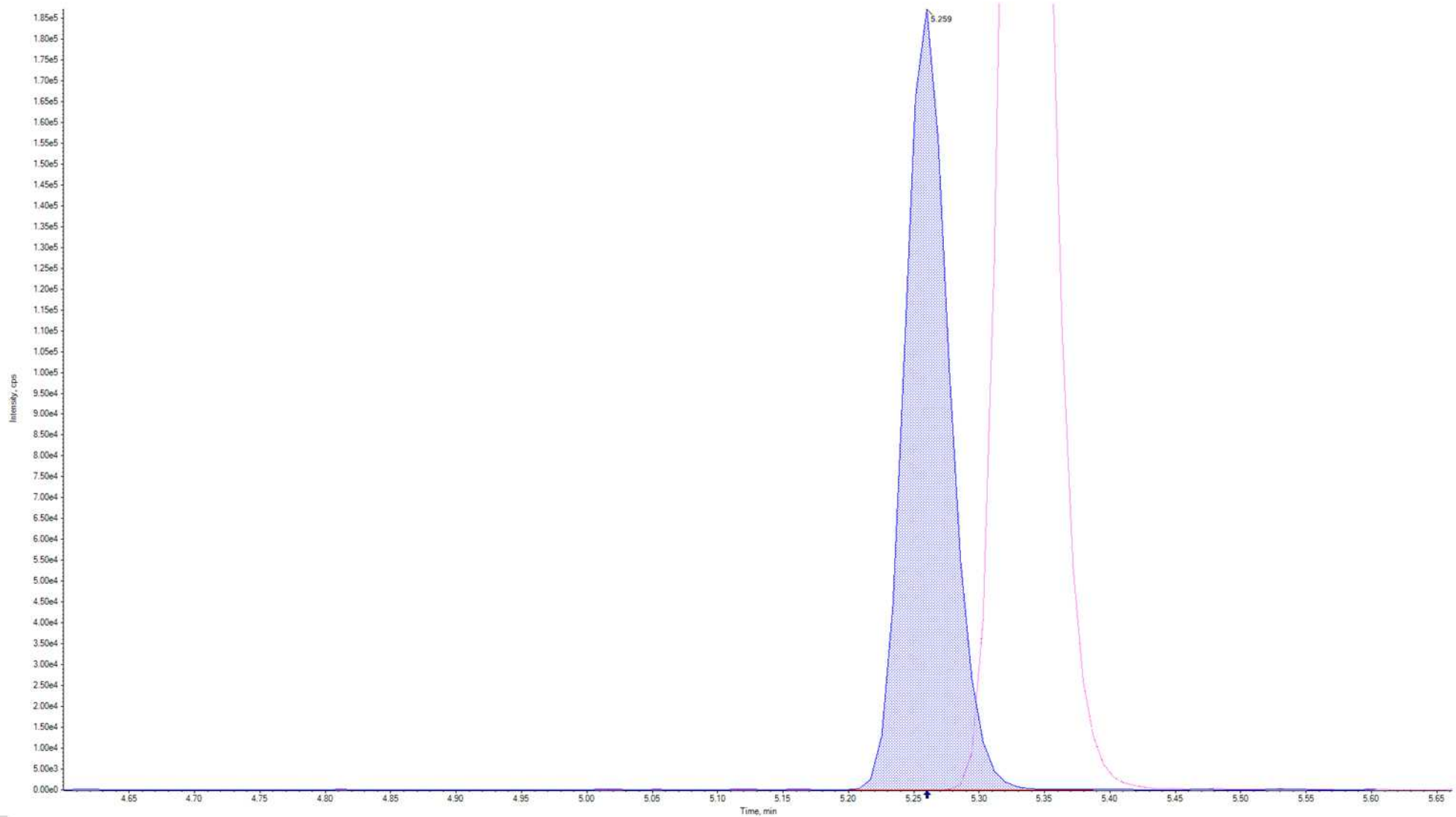
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-2.5 S/N:3449.7 Points Across peak:23



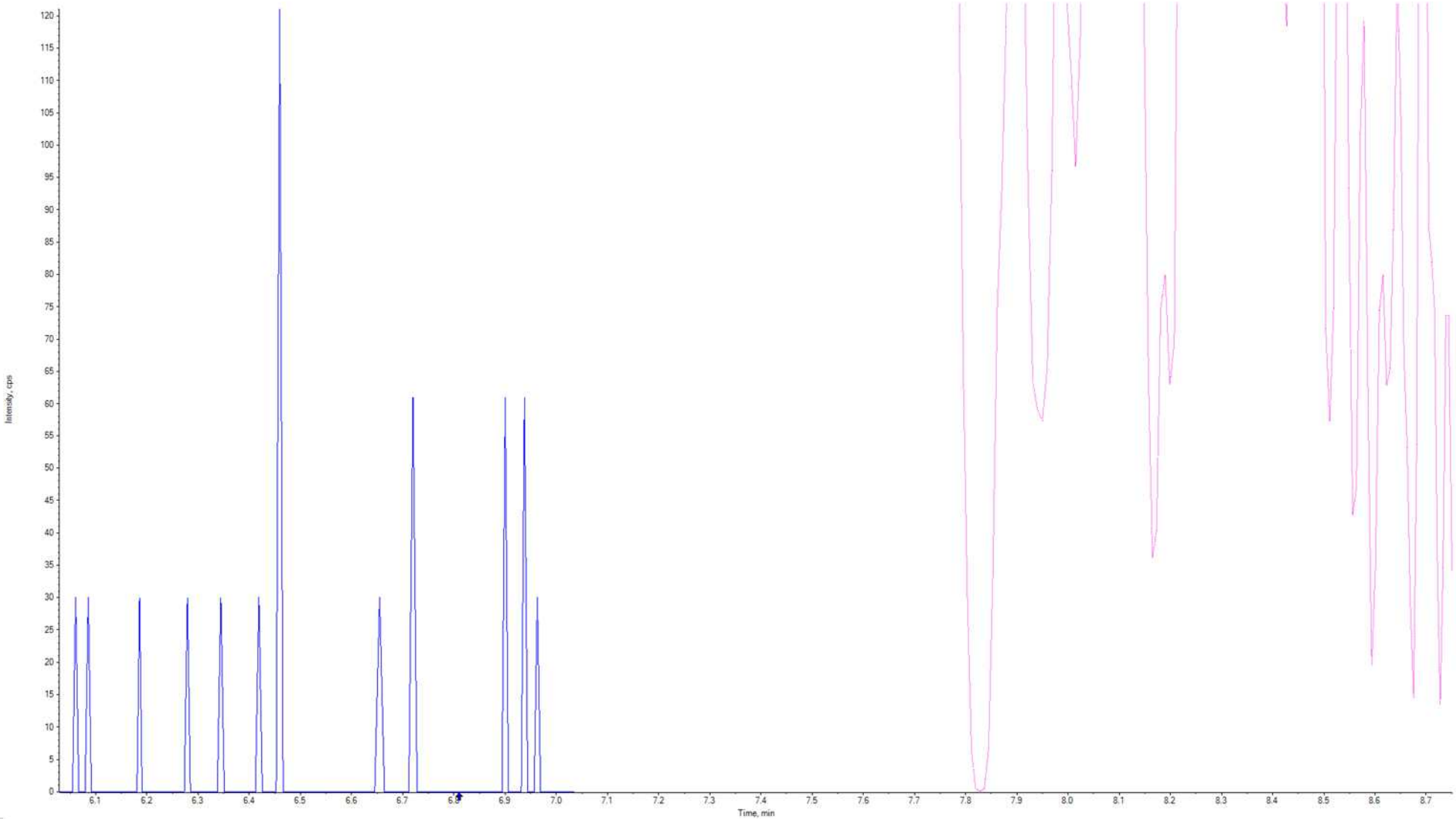
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-2.5 S/N:4615.7 Points Across peak:24



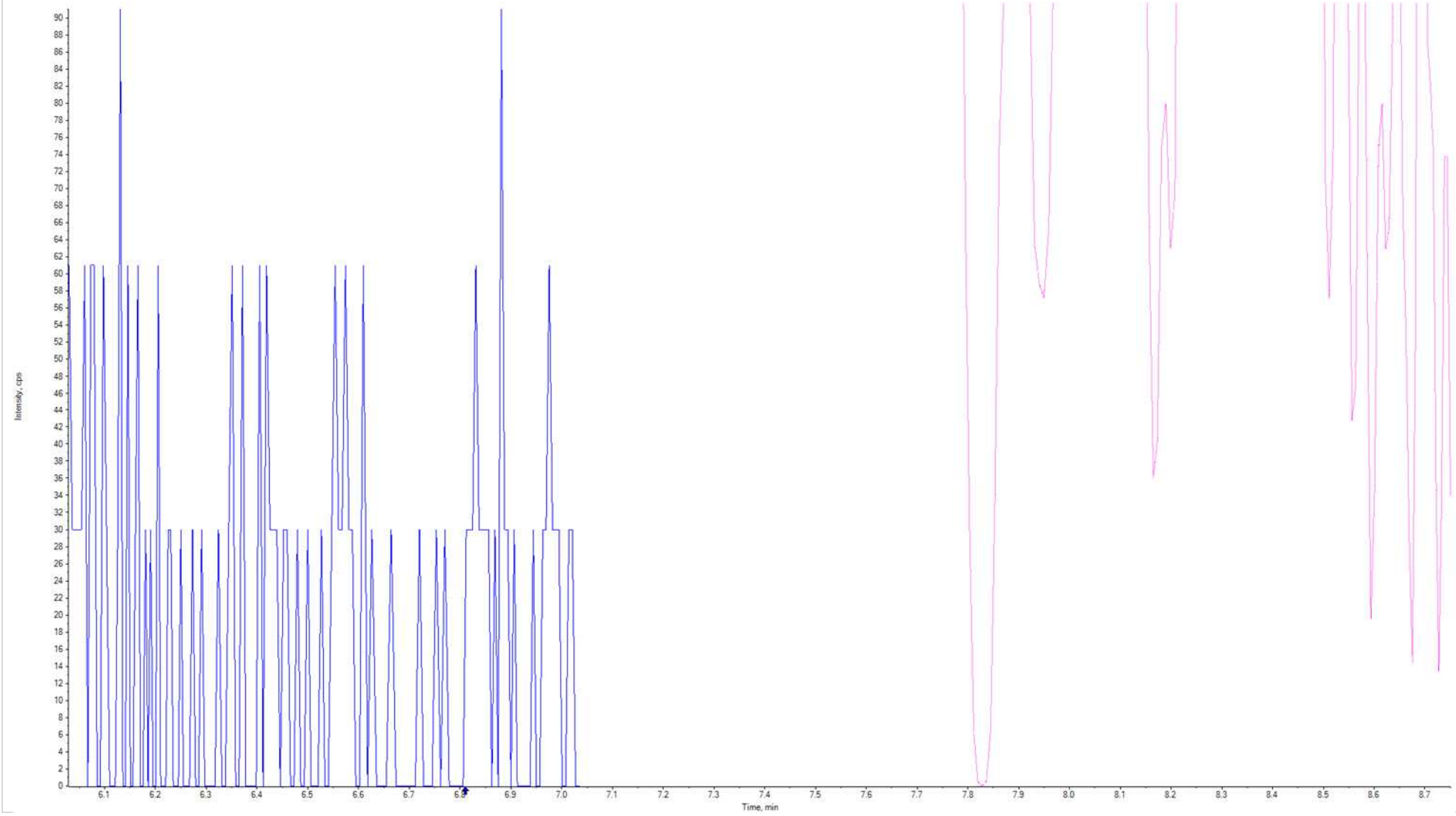
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



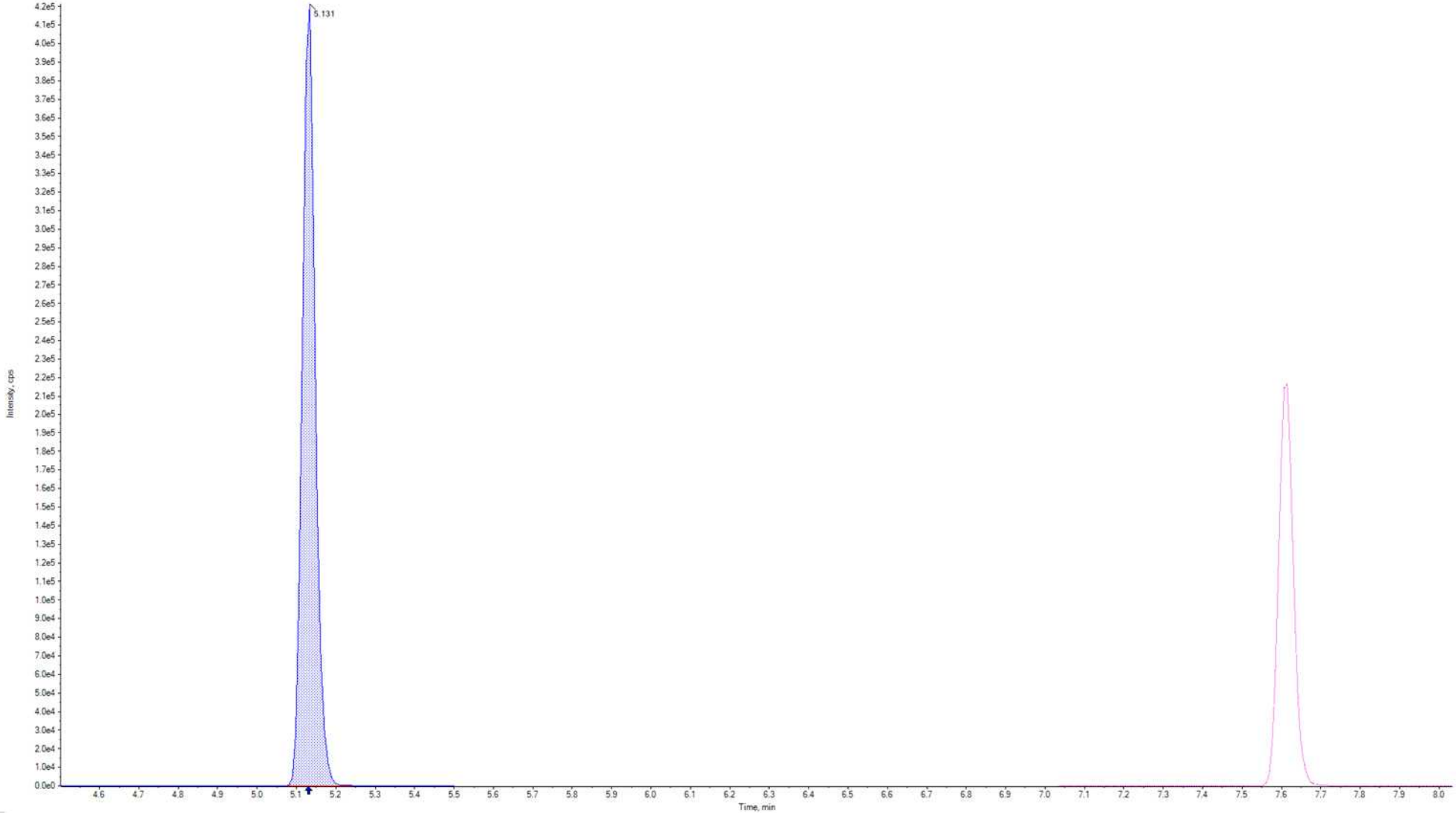
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



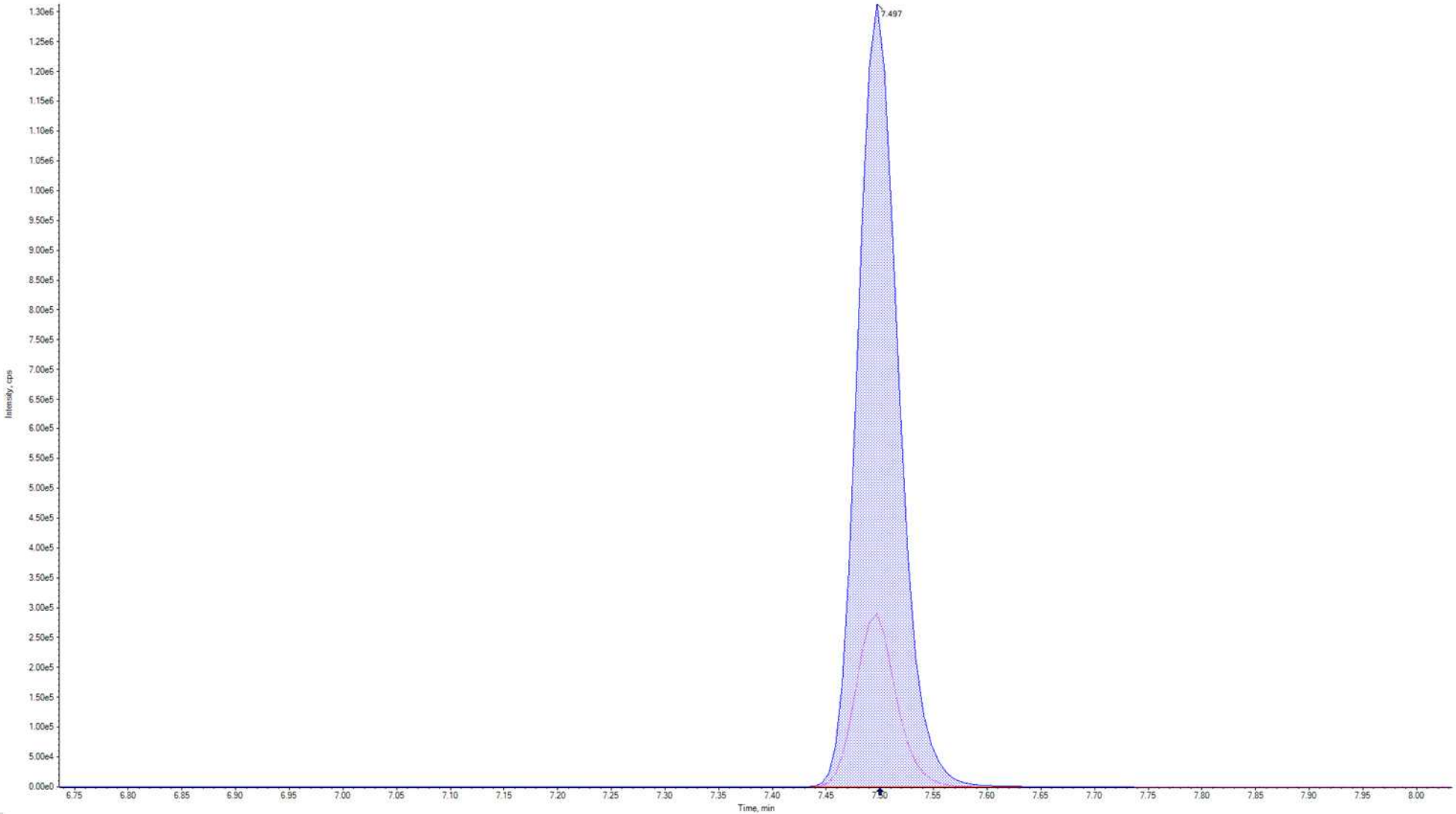
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:13708.7 Points Across peak:30

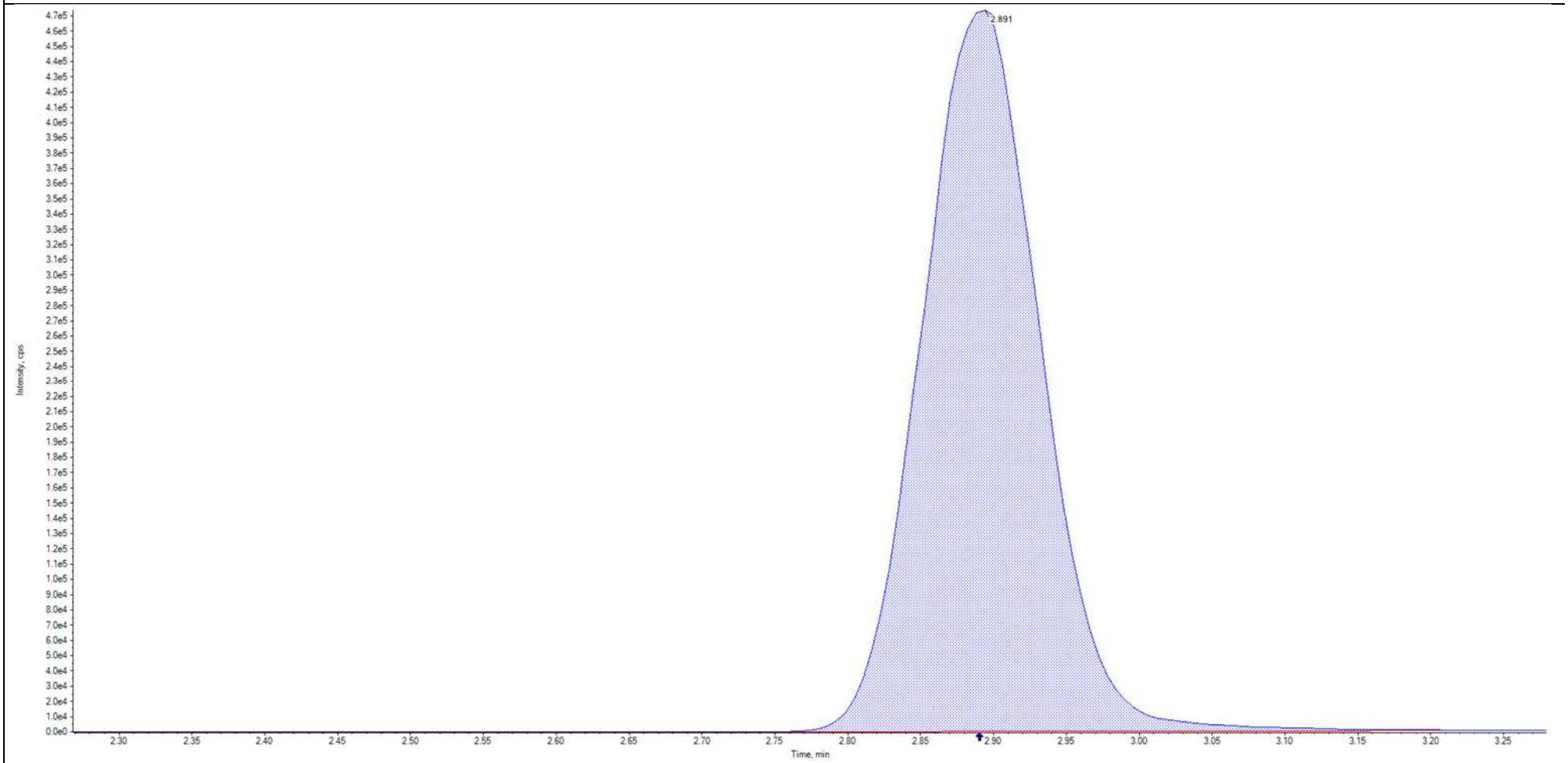


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

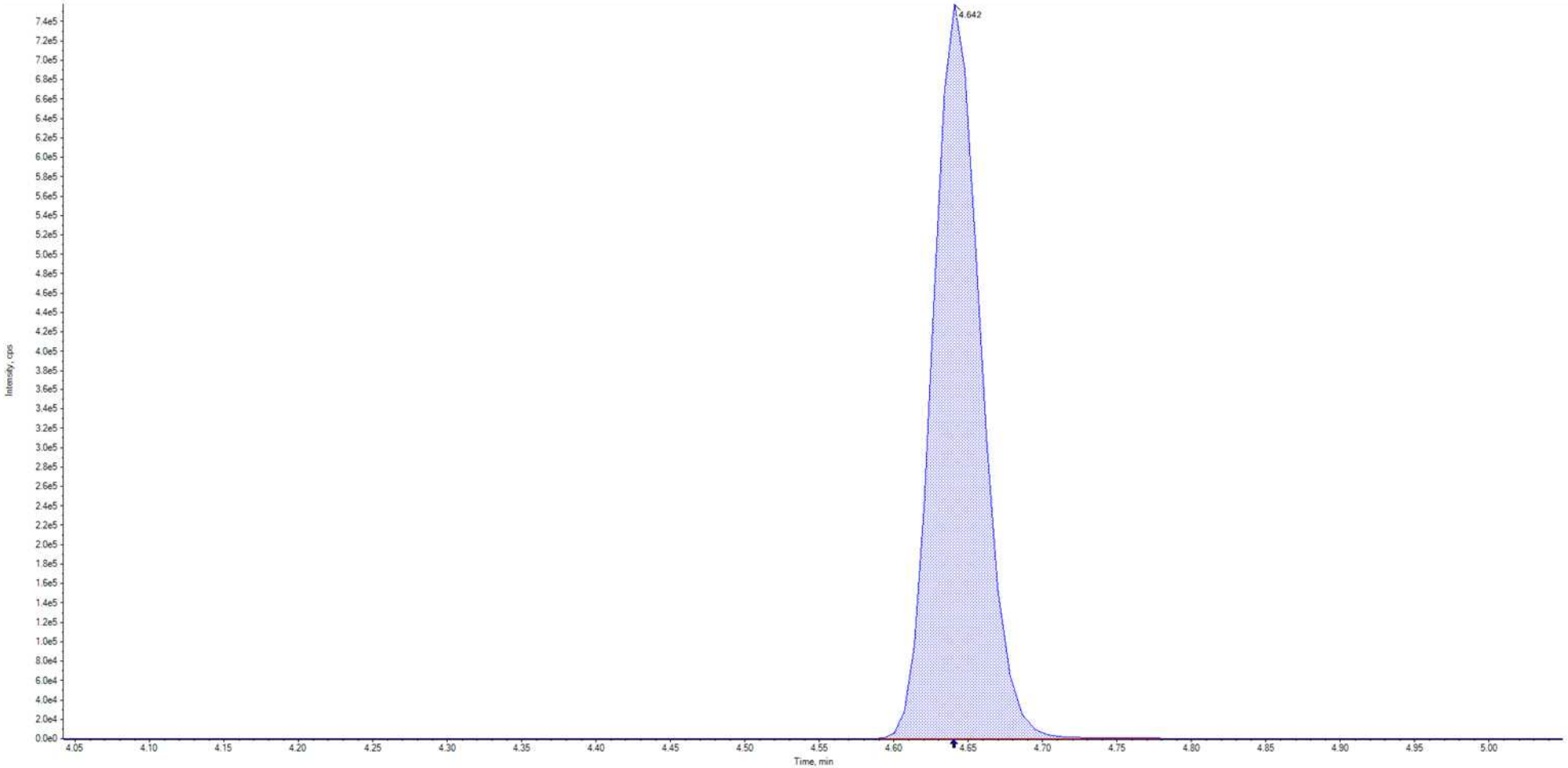
13C2-PFOA
Sample: IA1633STD-2.5 S/N:12951.8 Points Across peak:36



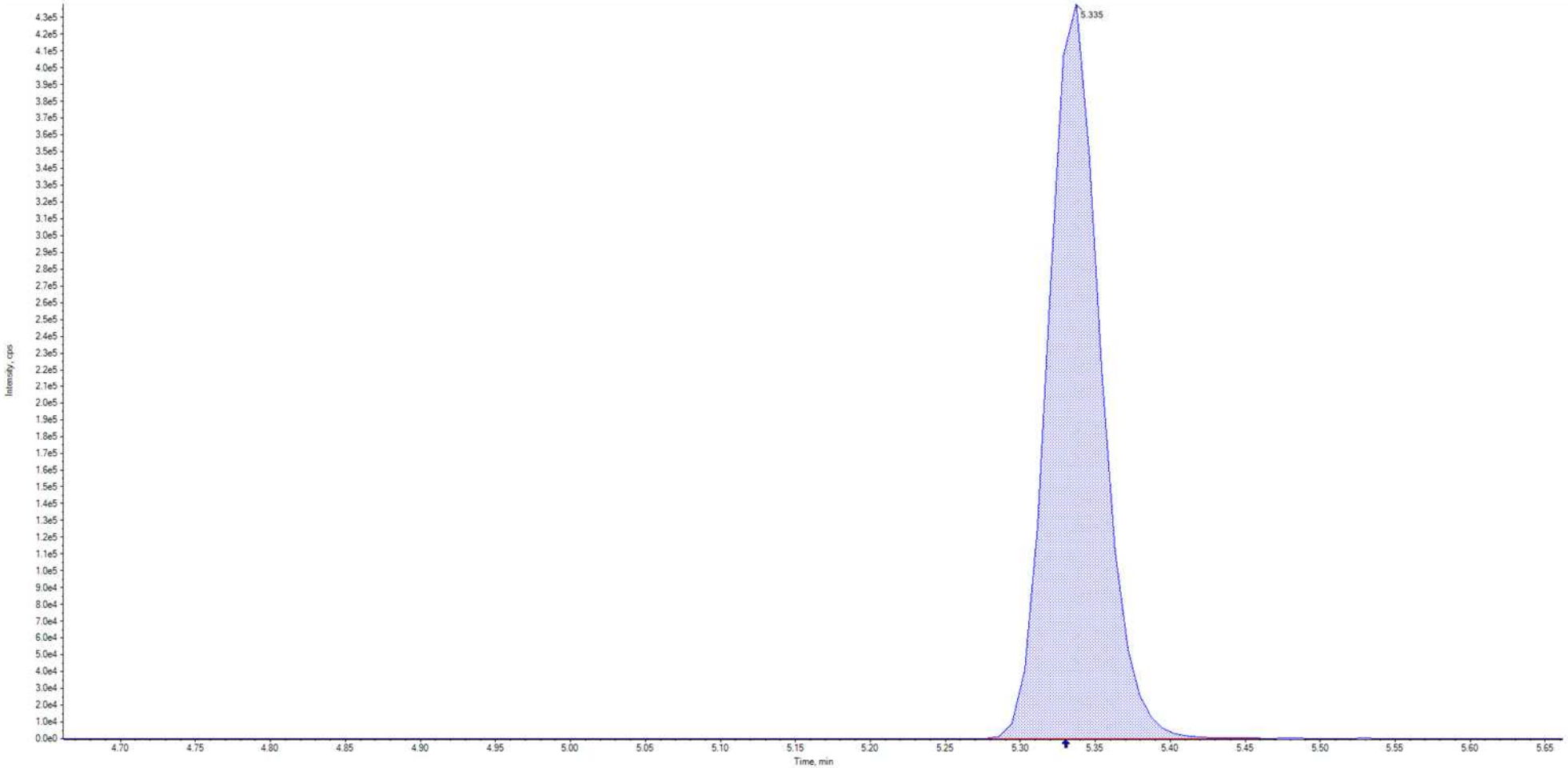
13C4-PFBA
Sample: IA1633STD-2.5



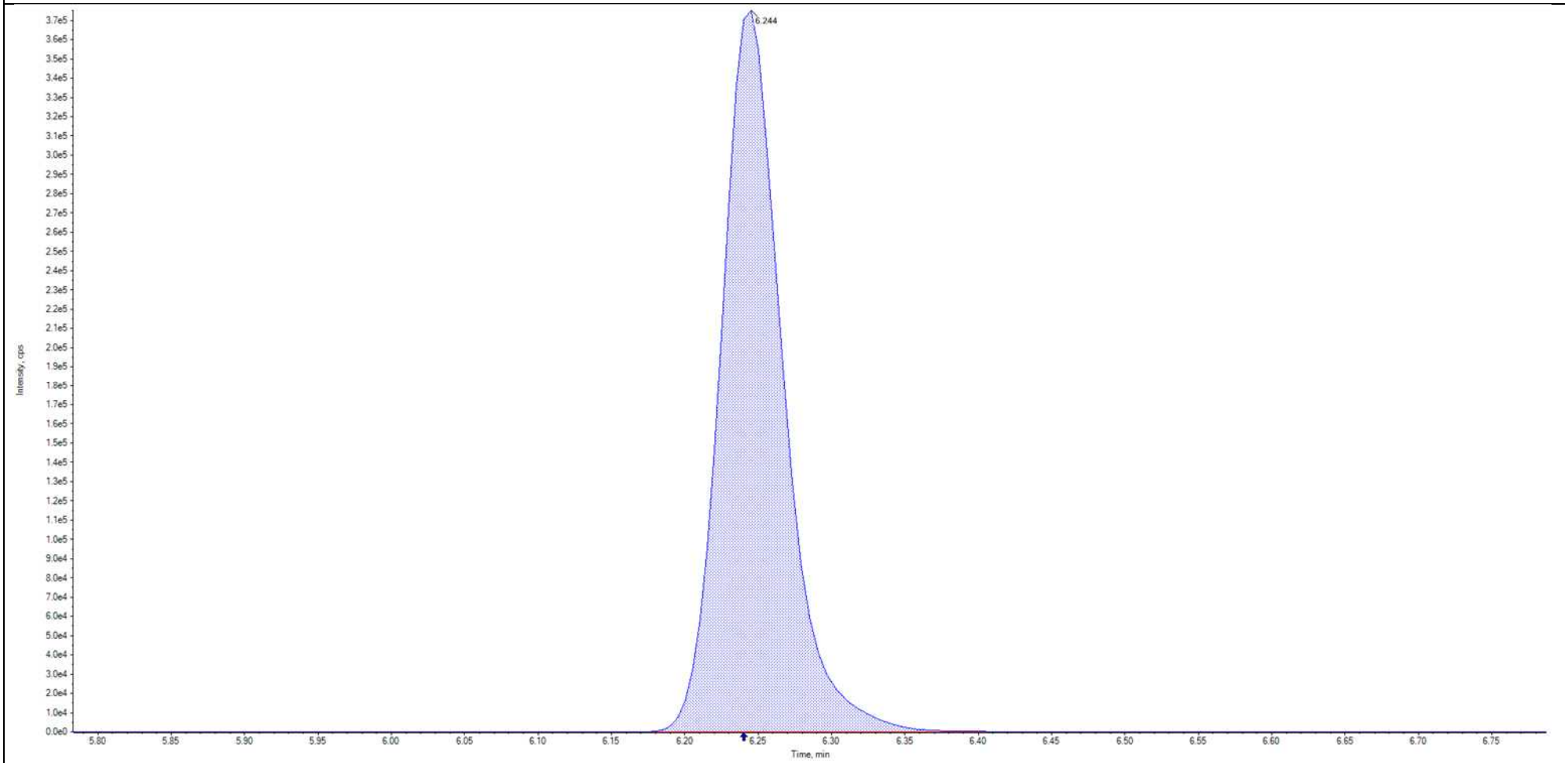
13C5-PFPeA
Sample: IA1633STD-2.5



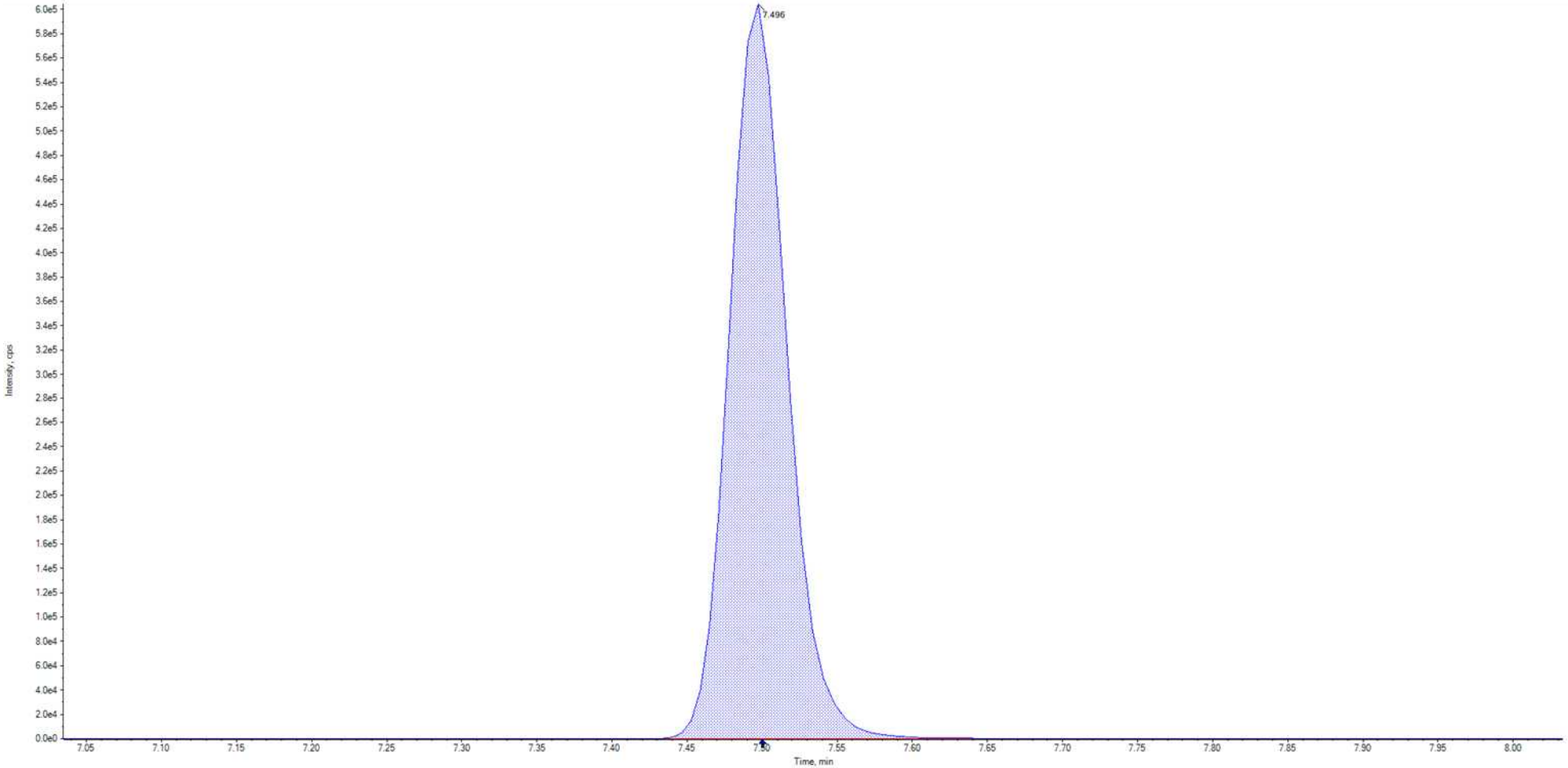
13C5-PFHxA
Sample: IA1633STD-2.5



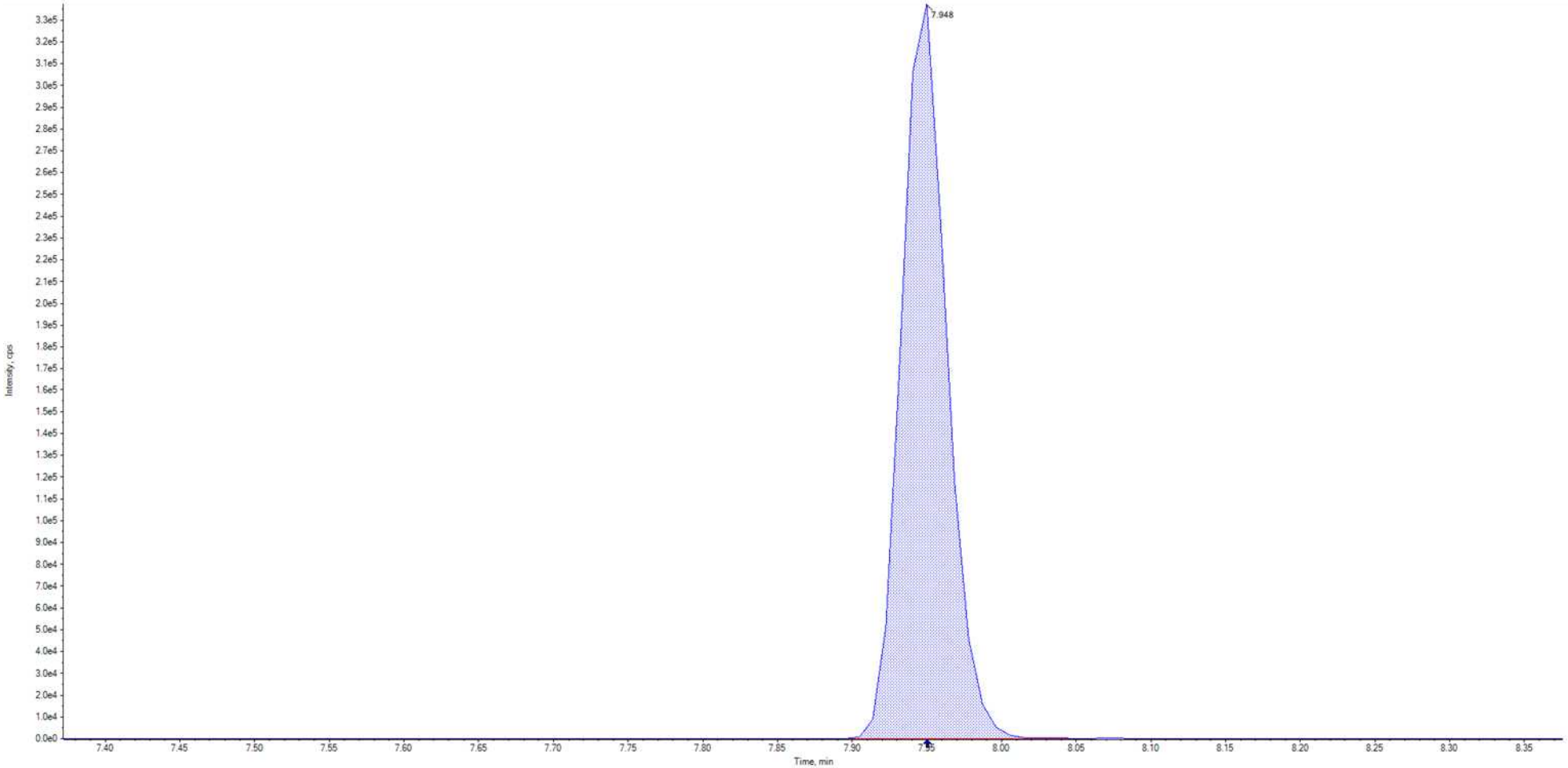
13C4-PFHpA
Sample: IA1633STD-2.5



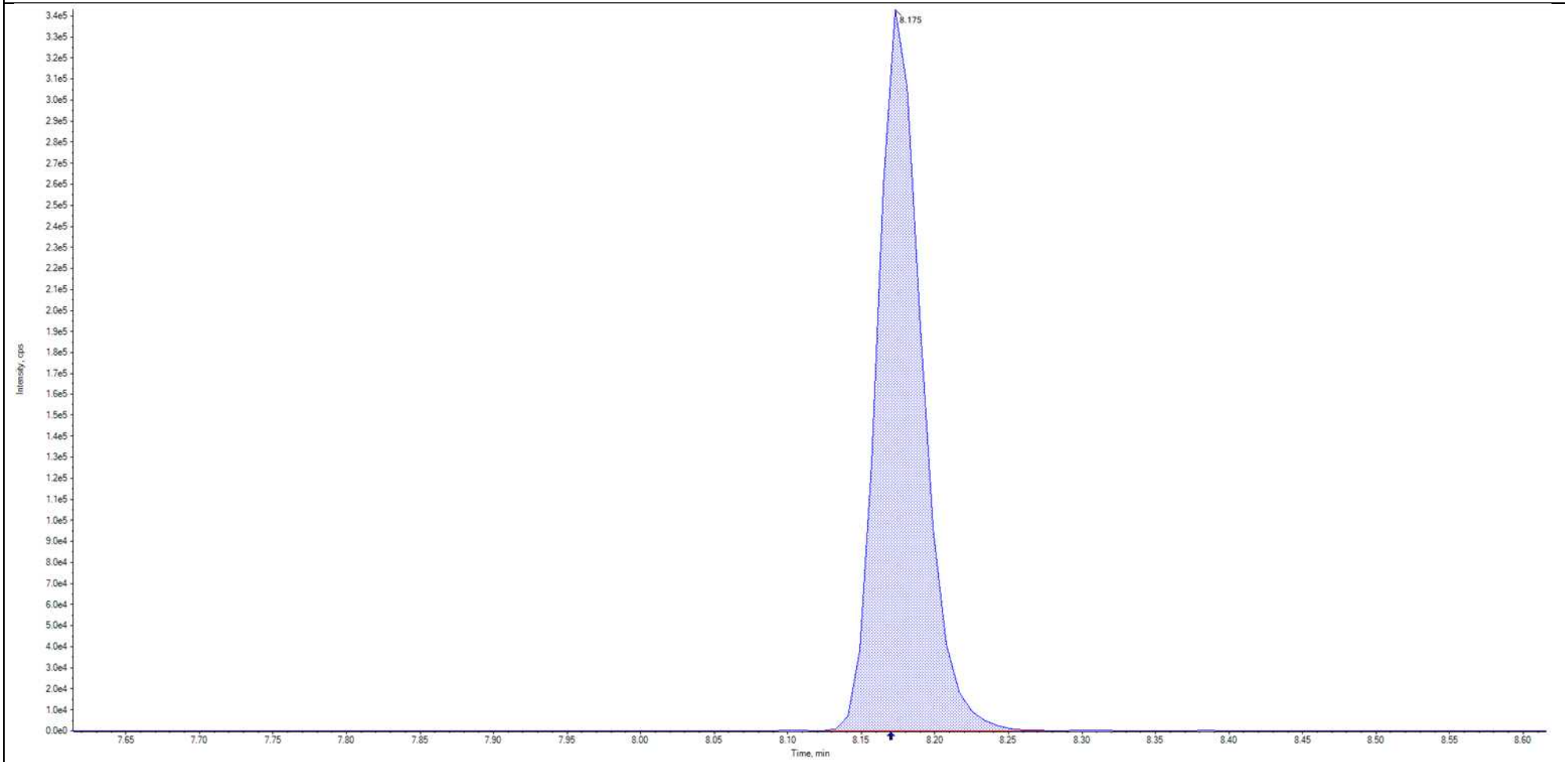
13C8-PFOA
Sample: IA1633STD-2.5



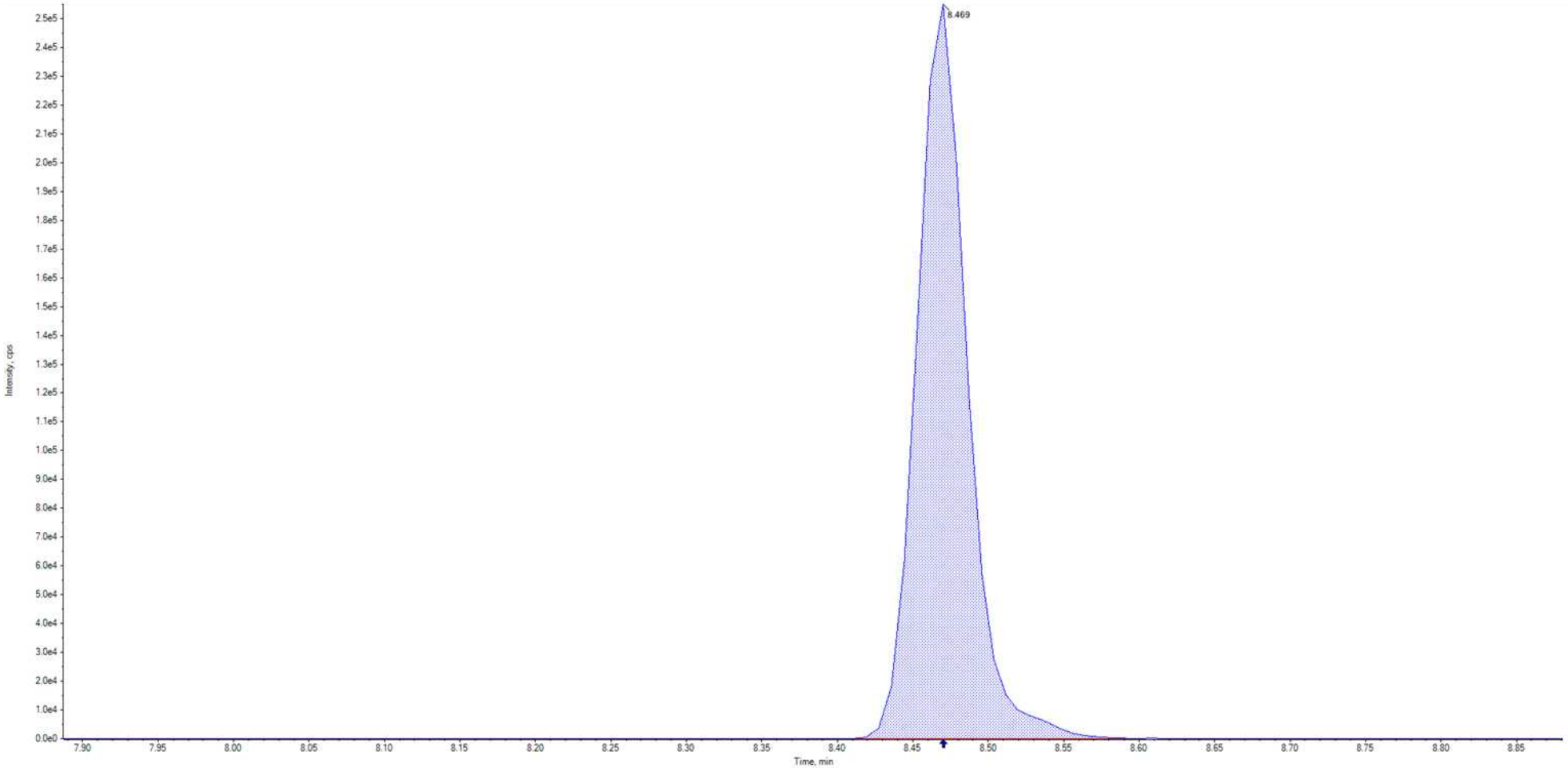
13C9-PFNA
Sample: IA1633STD-2.5



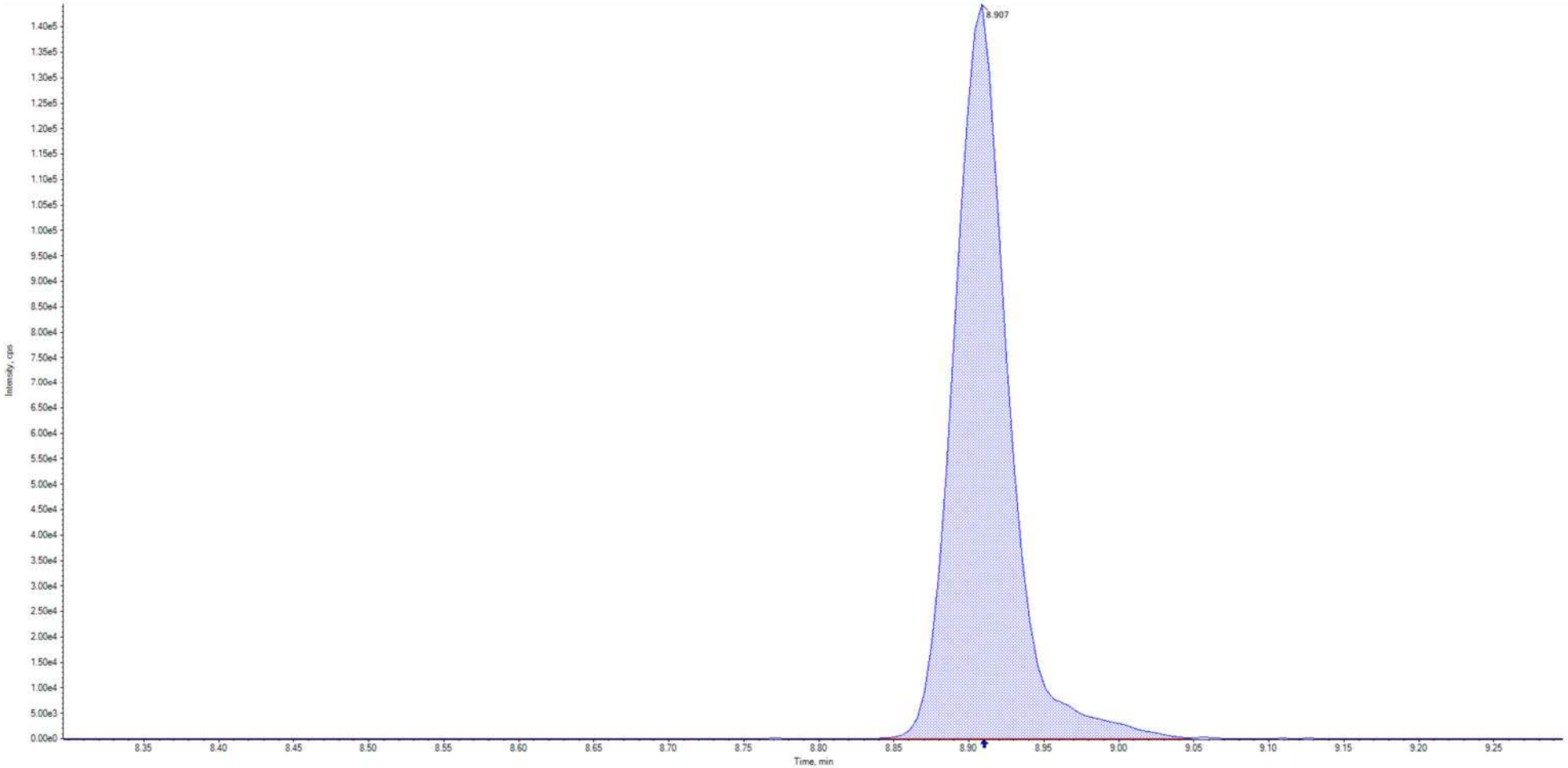
13C6-PFDA
Sample: IA1633STD-2.5



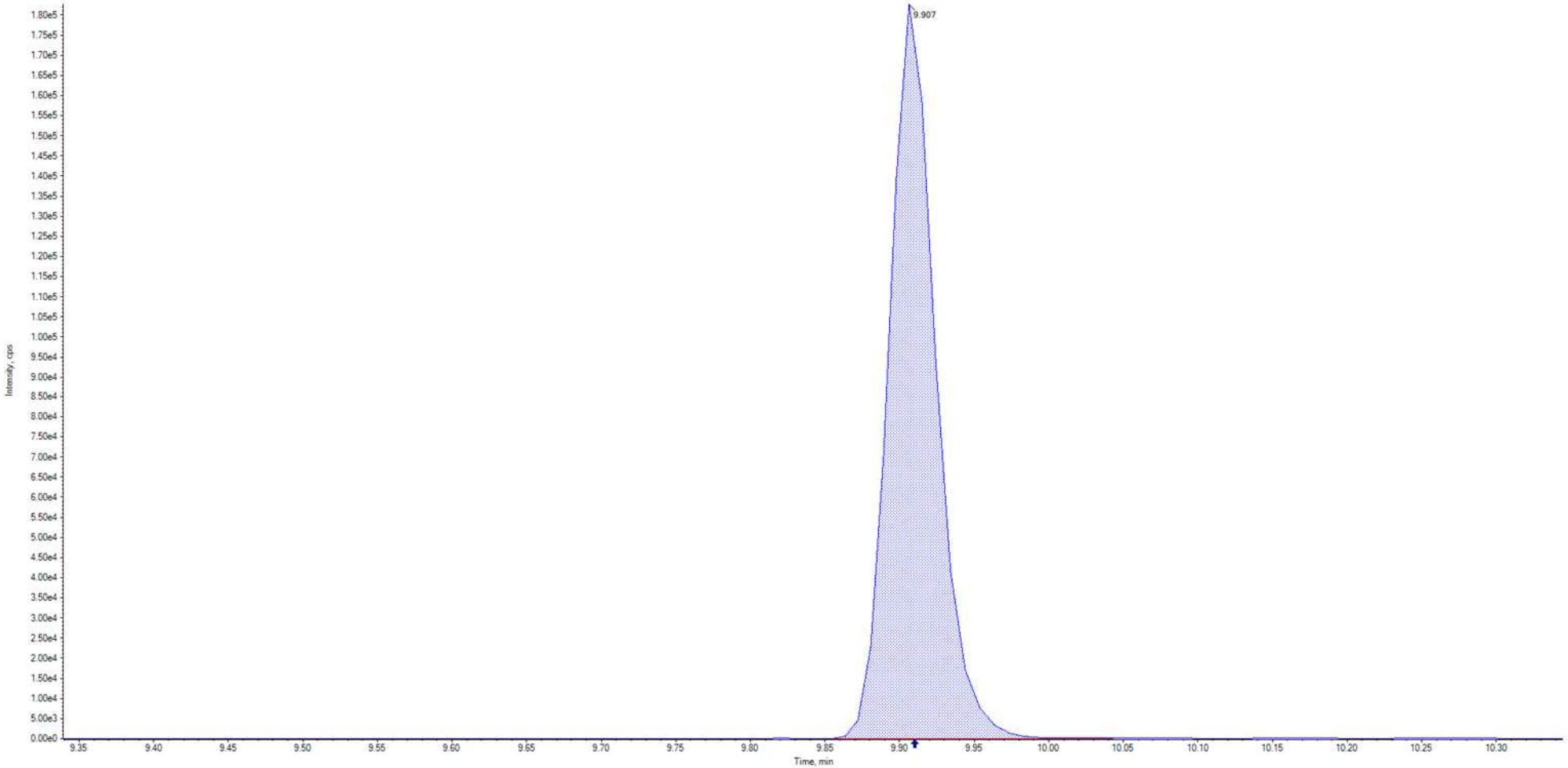
13C7-PFUnA
Sample: IA1633STD-2.5



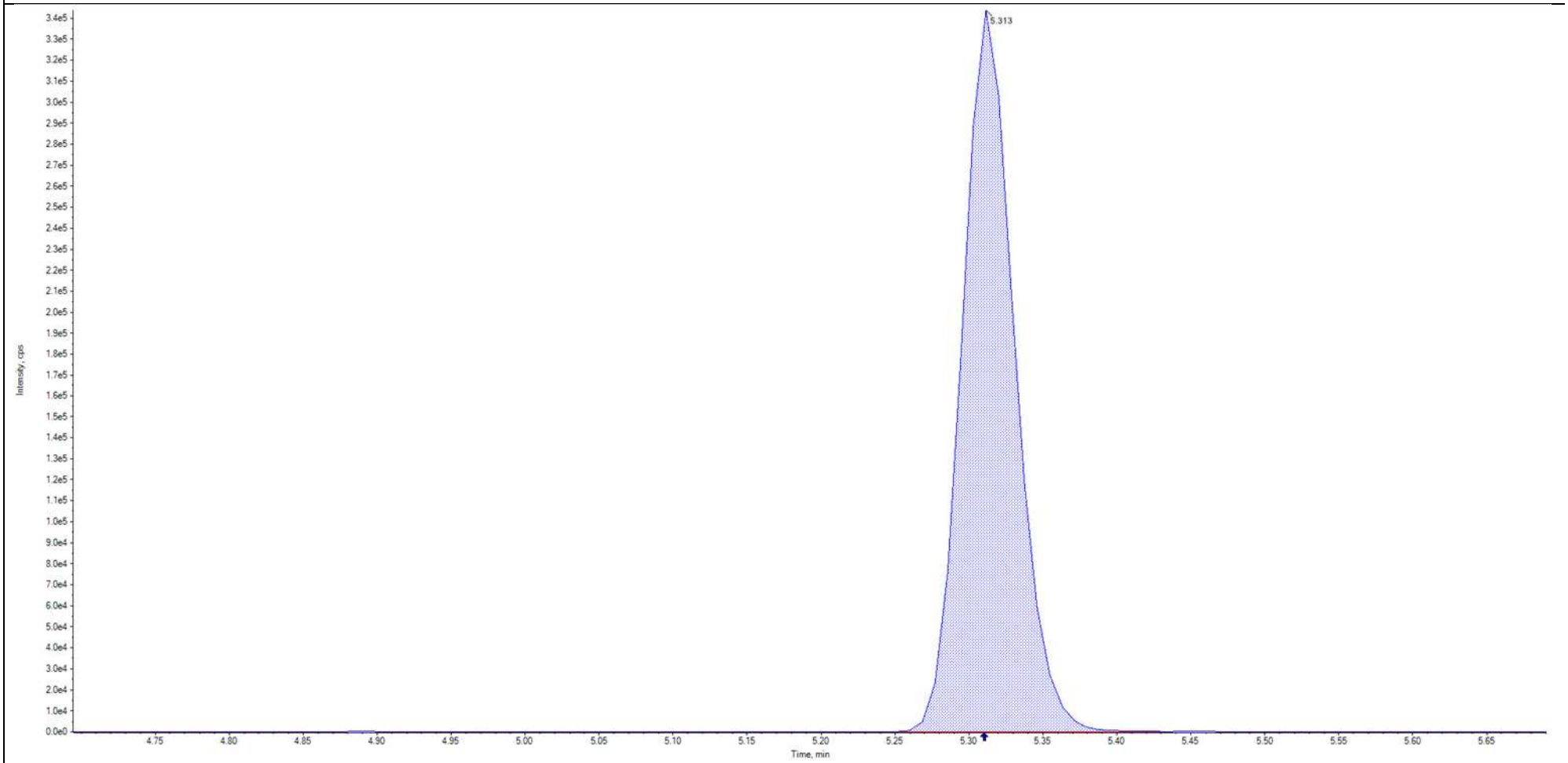
13C2-PFDoA
Sample: IA1633STD-2.5



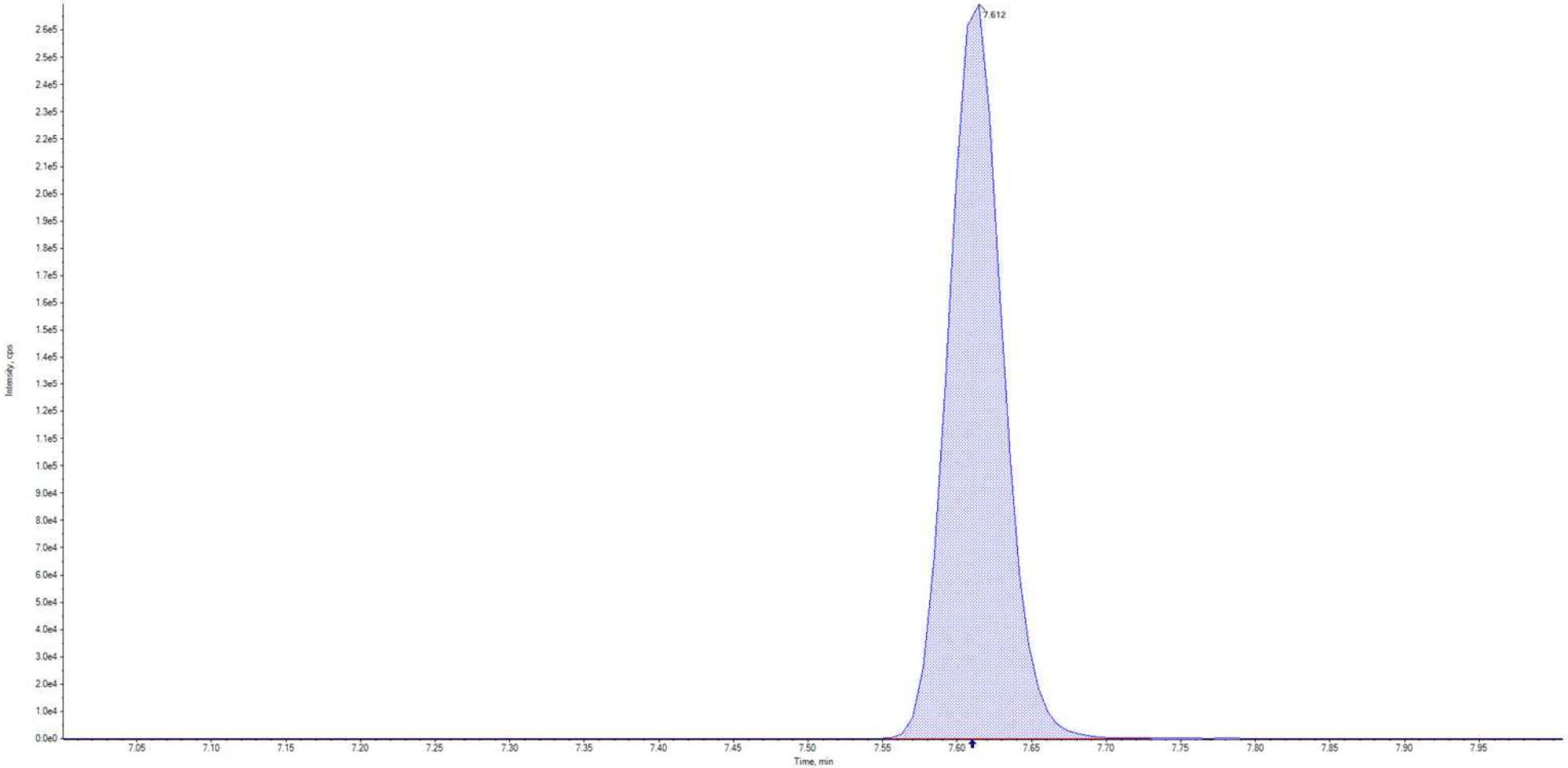
13C2-PFTeDA
Sample: IA1633STD-2.5



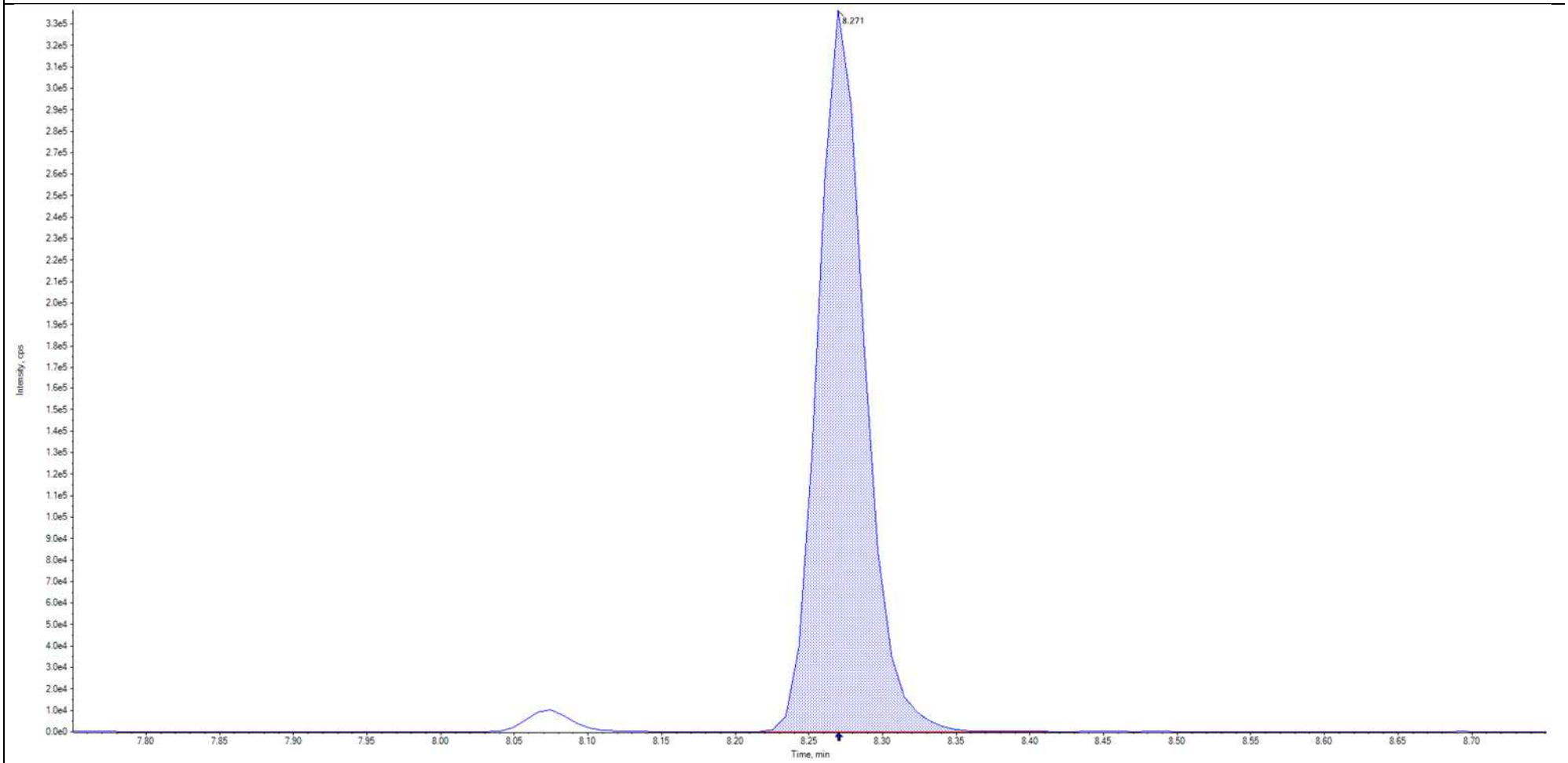
13C3-PFBS
Sample: IA1633STD-2.5



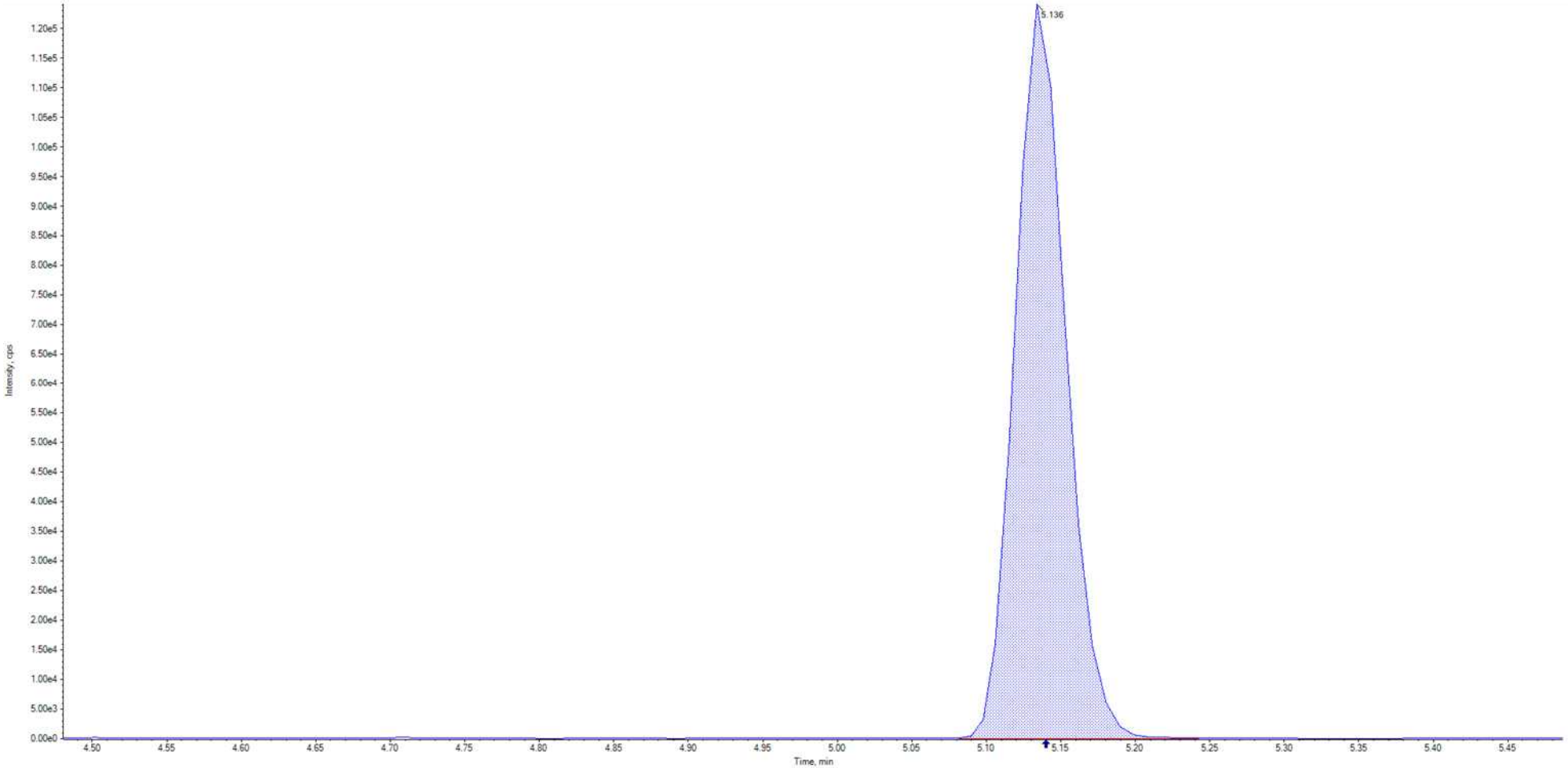
13C3-PFHxS
Sample: IA1633STD-2.5



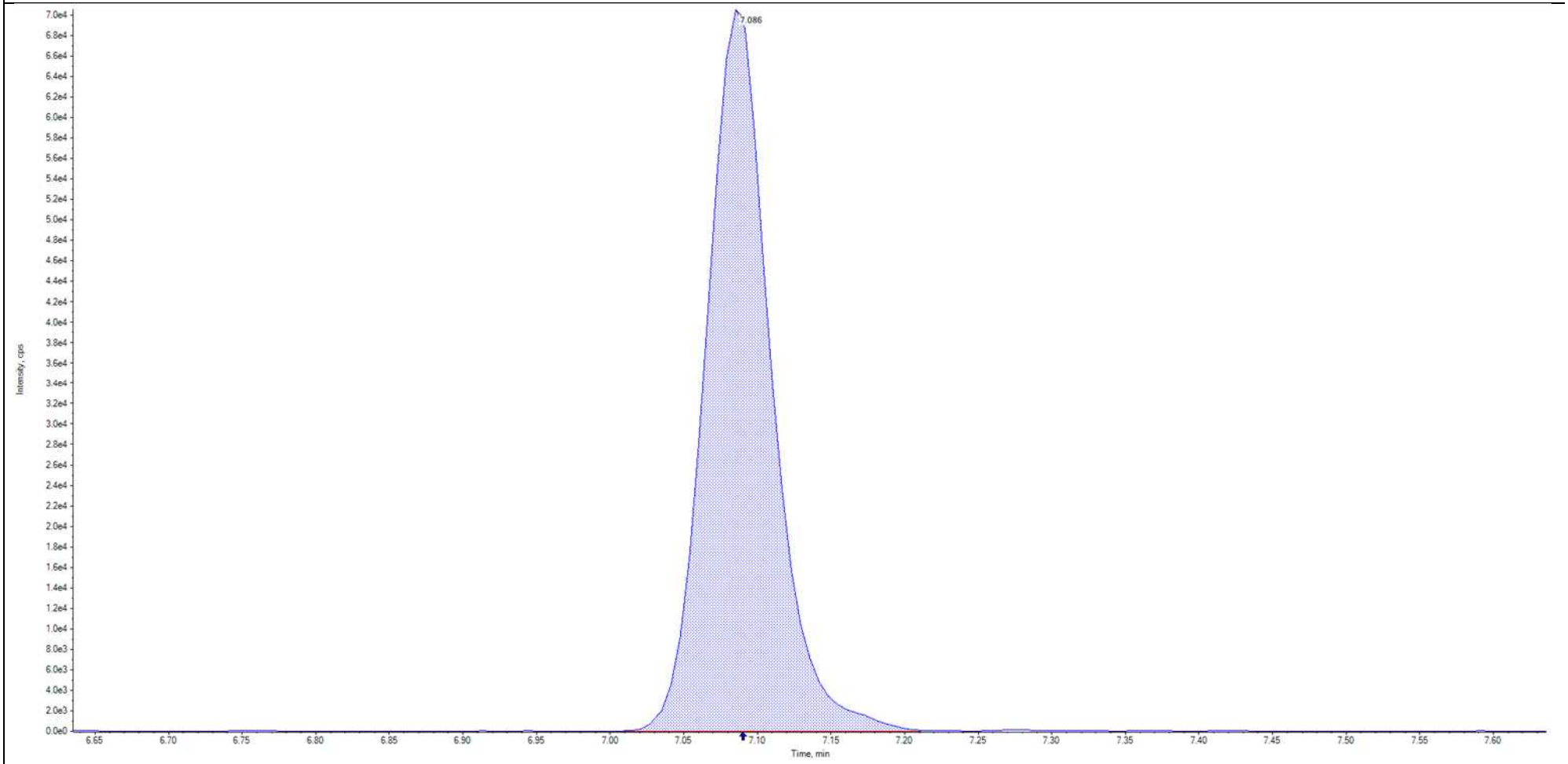
13C8-PFOS
Sample: IA1633STD-2.5



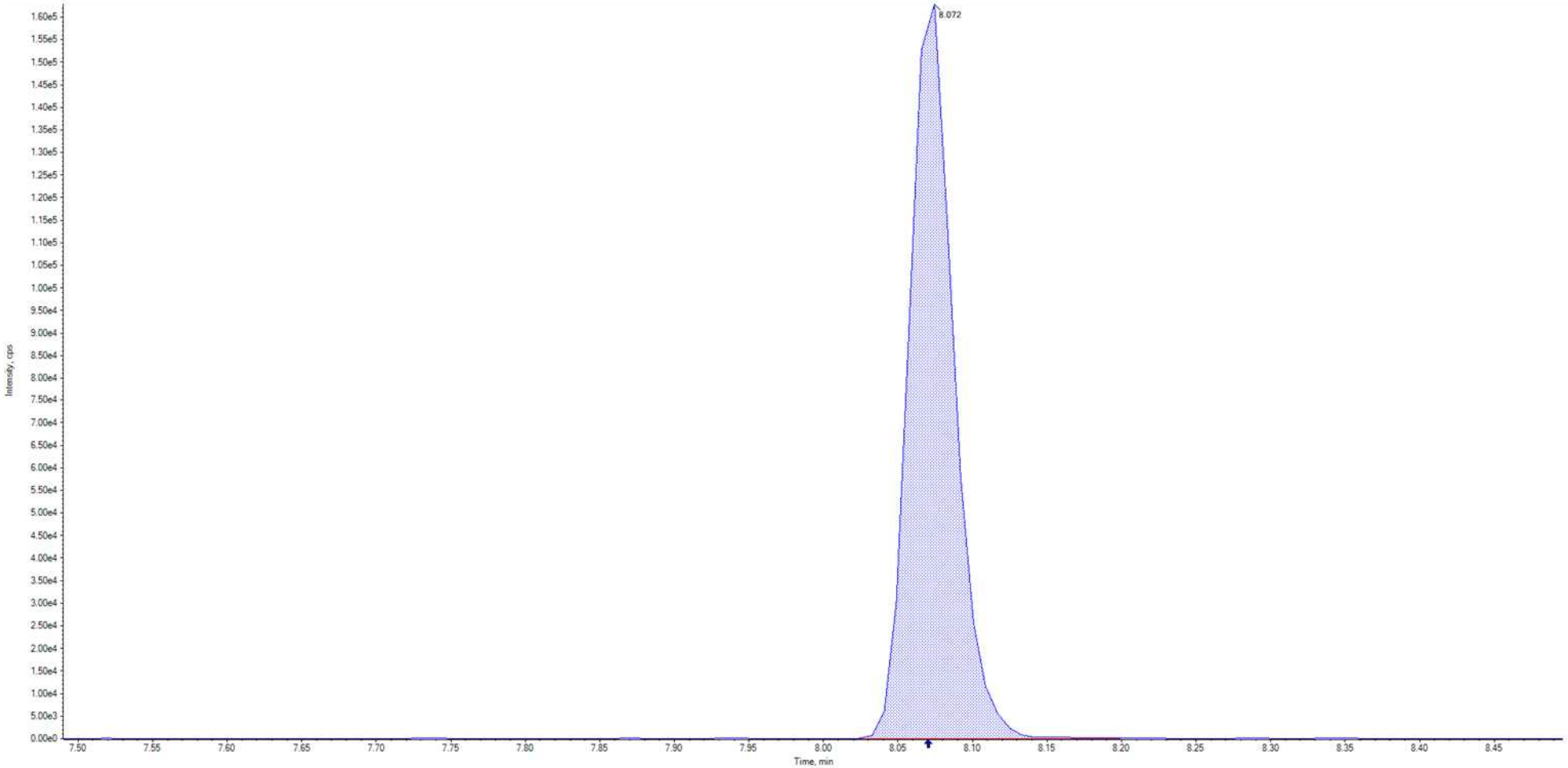
13C2-4:2FTS
Sample: IA1633STD-2.5



13C2-6:2FTS
Sample: IA1633STD-2.5

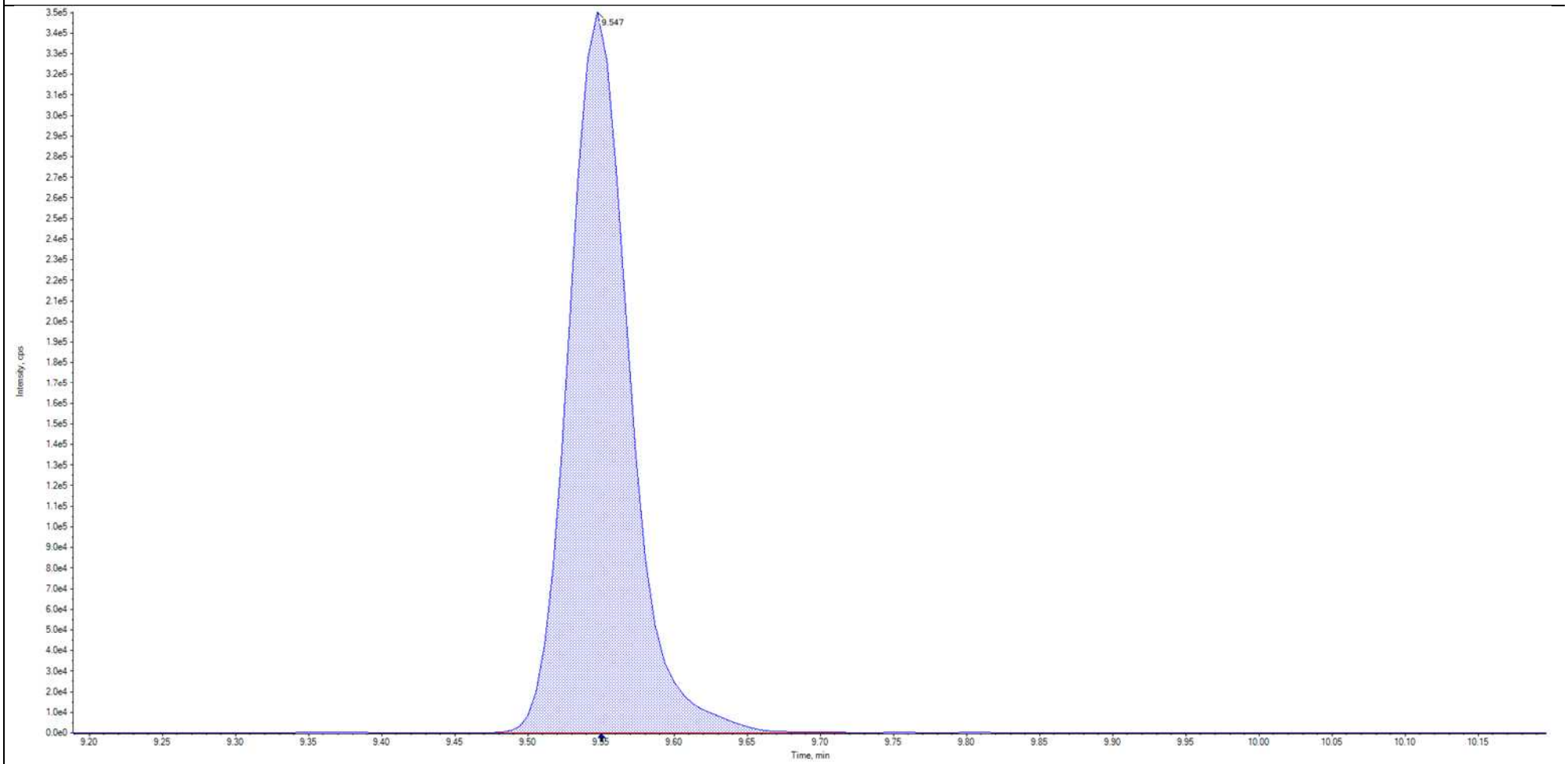


13C2-8:2FTS
Sample: IA1633STD-2.5

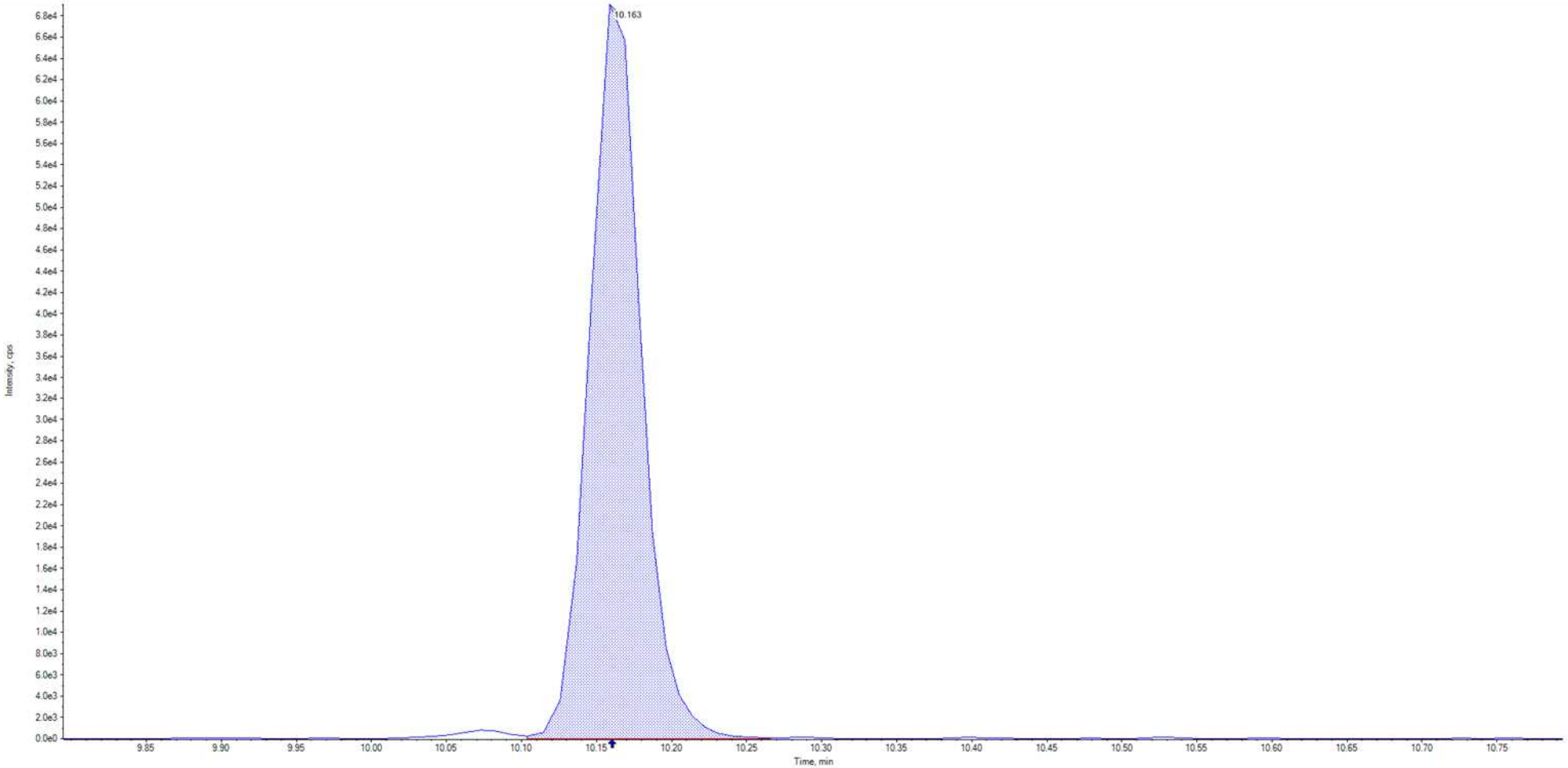


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_75.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

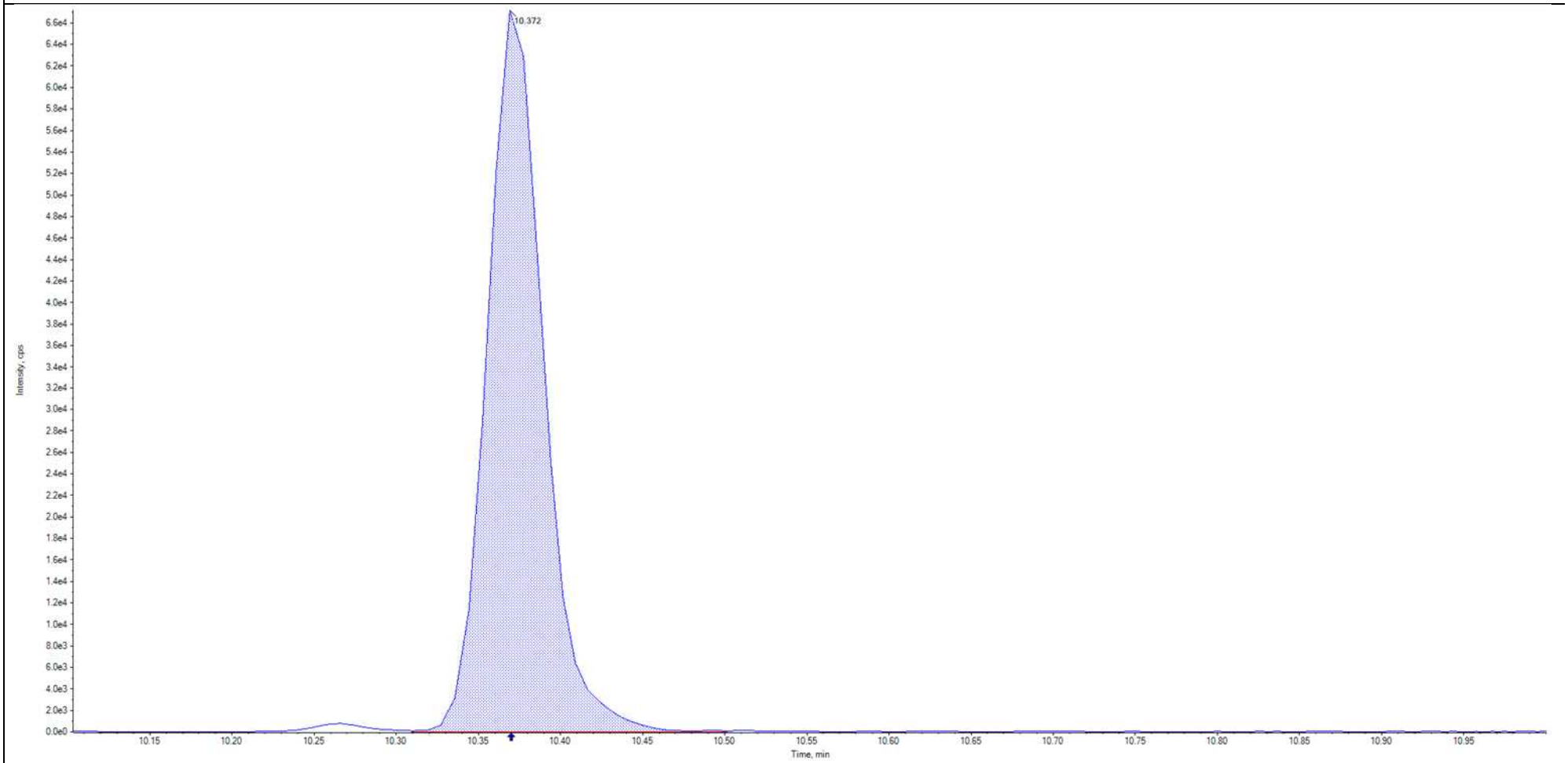
13C8-PFOSA
Sample: IA1633STD-2.5



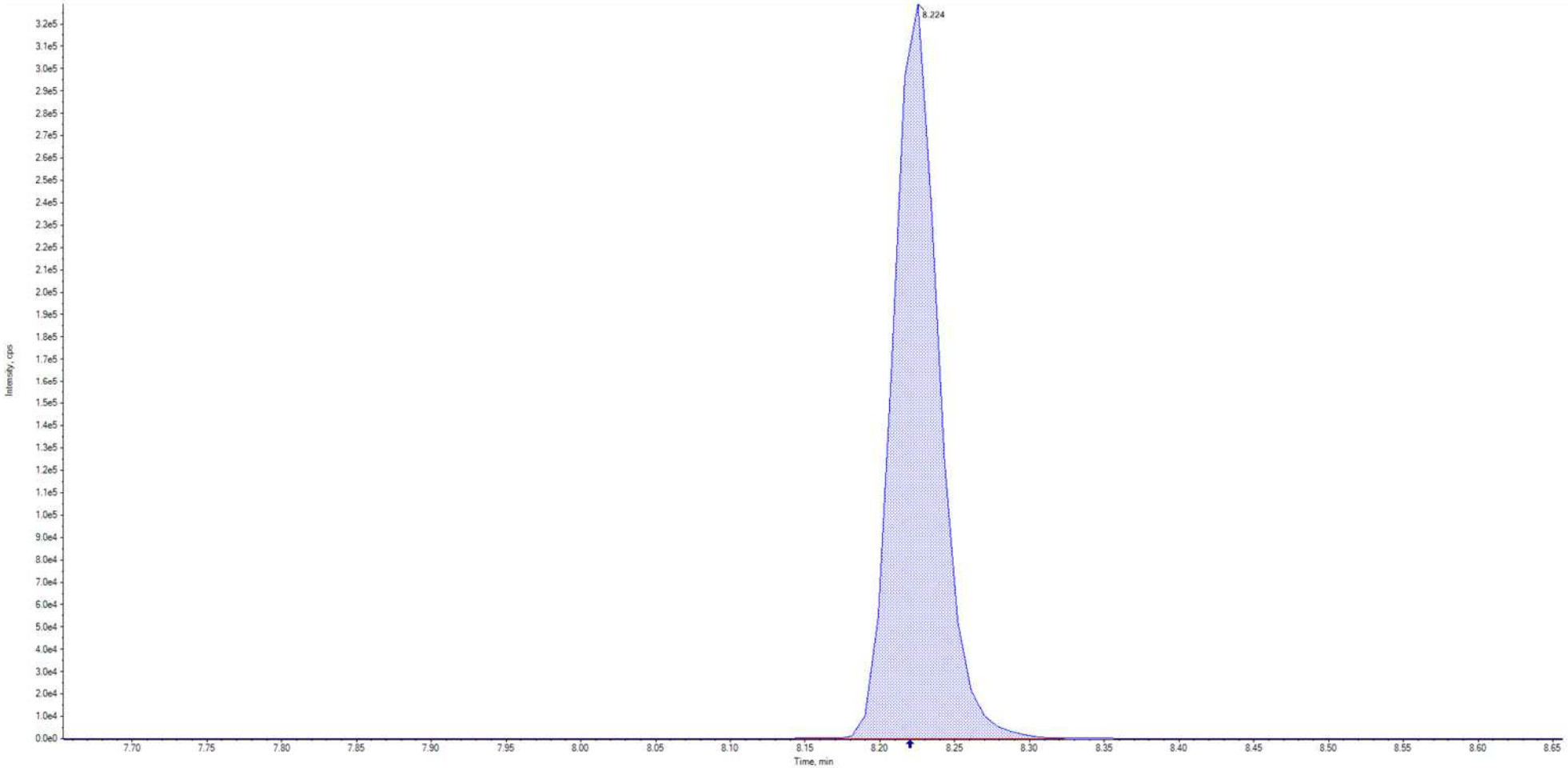
d3-NMeFOSA
Sample: IA1633STD-2.5



d5-NEtFOSA
Sample: IA1633STD-2.5



d3-NMeFOSAA
Sample: IA1633STD-2.5



d5-NEtFOSAA
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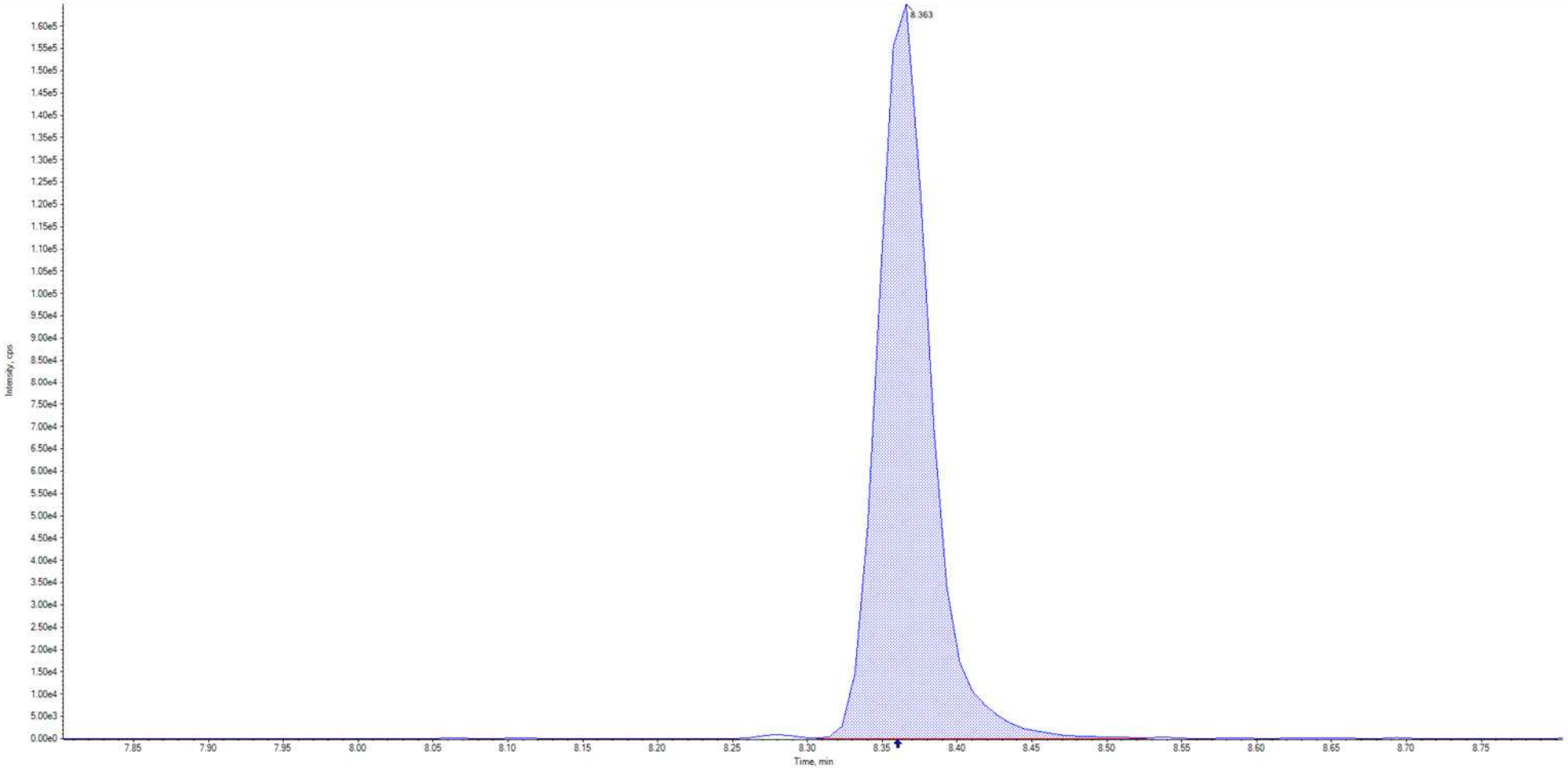
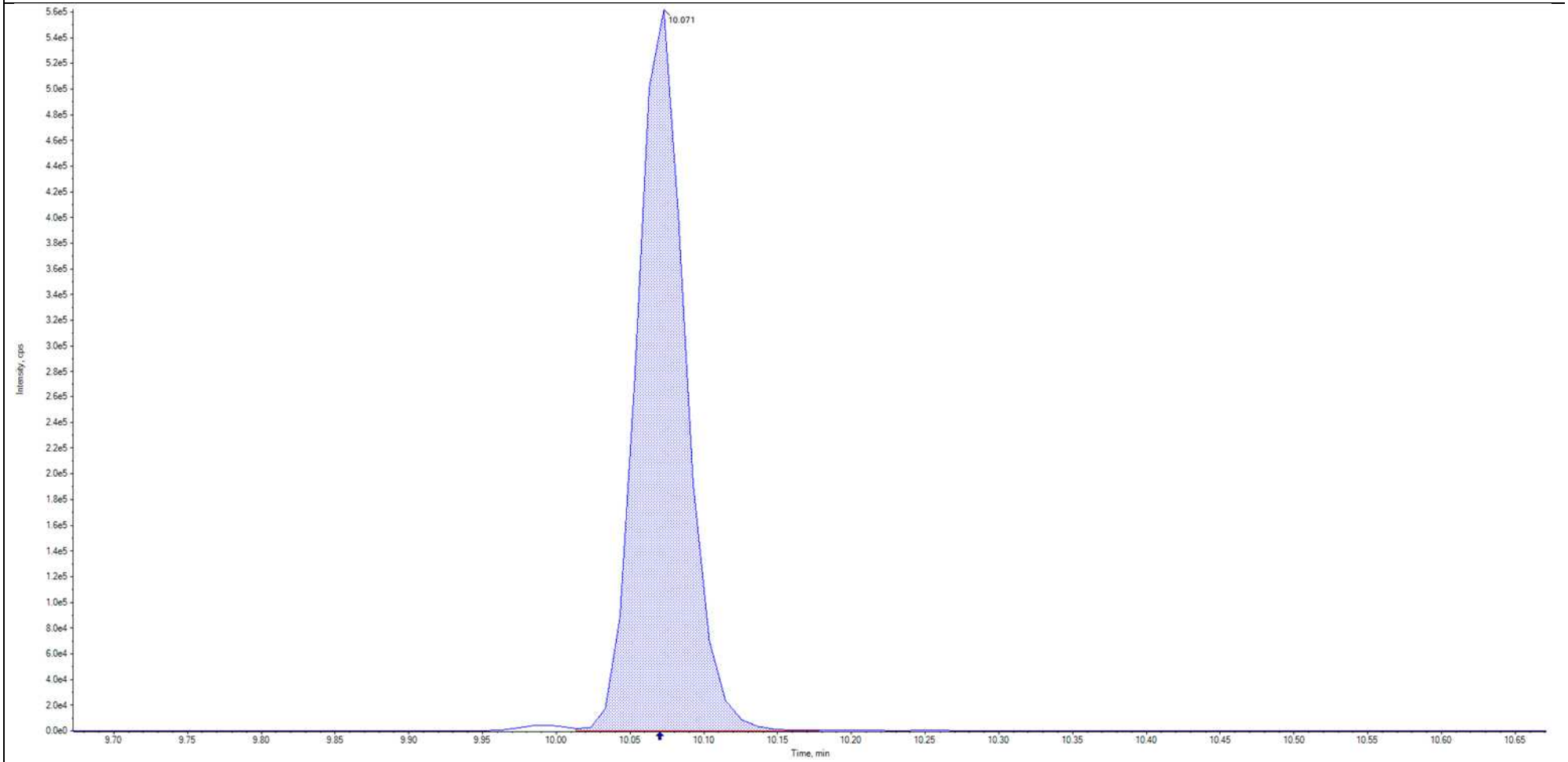
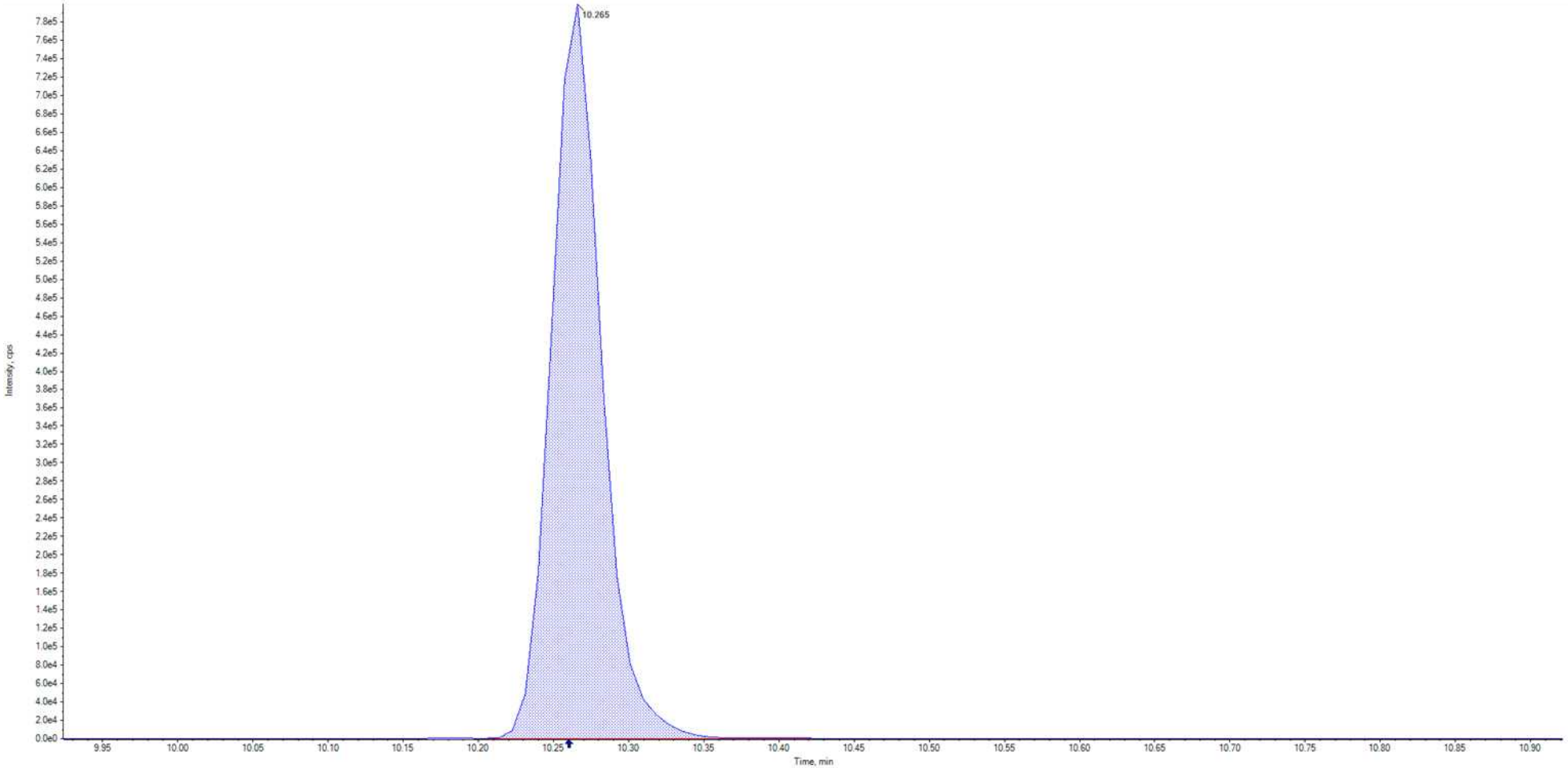


d7-NMeFOSE
Sample: IA1633STD-2.5



d9-NEtFOSE
Sample: IA1633STD-2.5



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13C3-HFPO-DA
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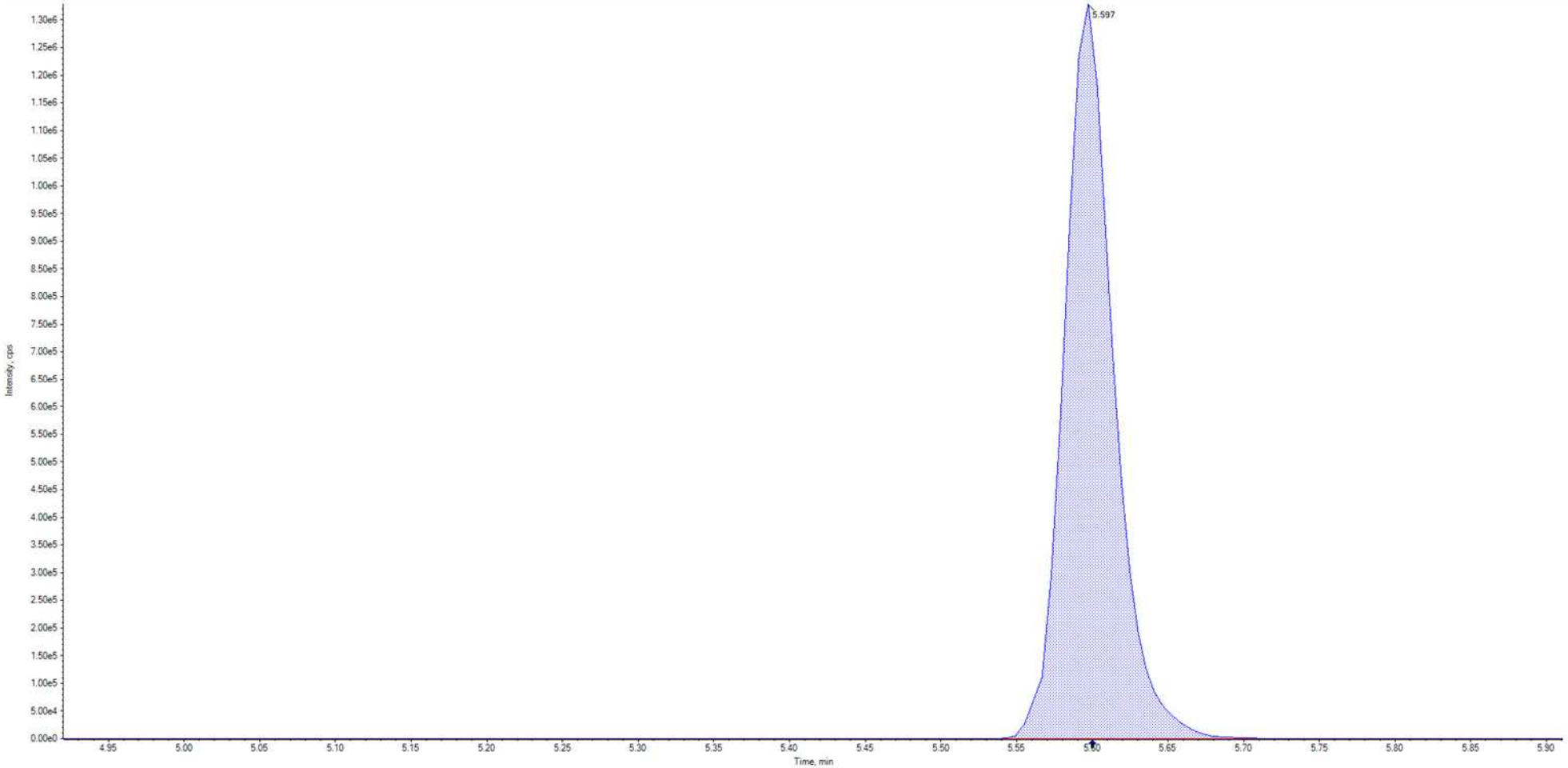

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13C3-PFBA
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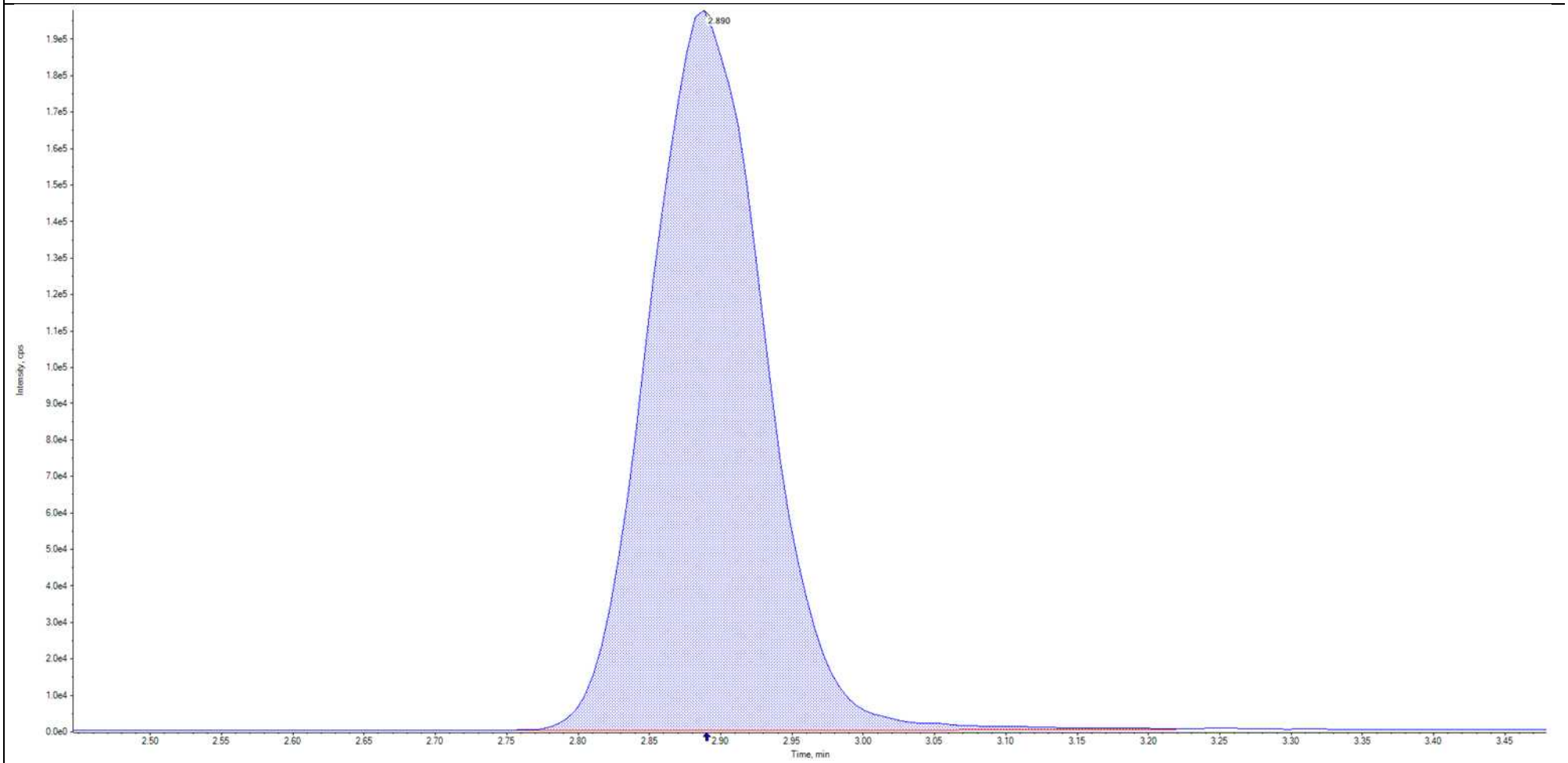
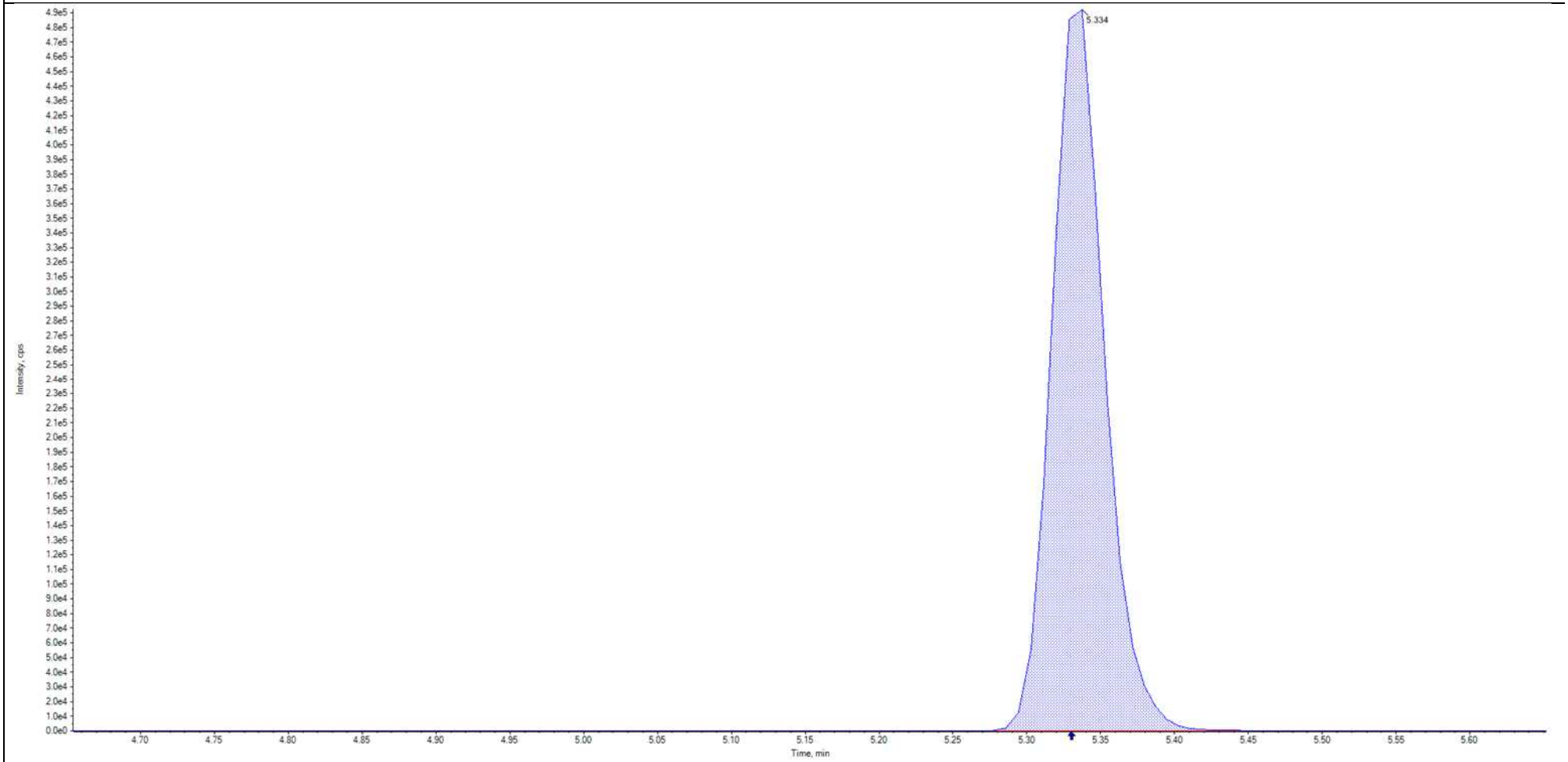


13C2-PFHxA
Sample: IA1633STD-2.5



13C4-PFOA
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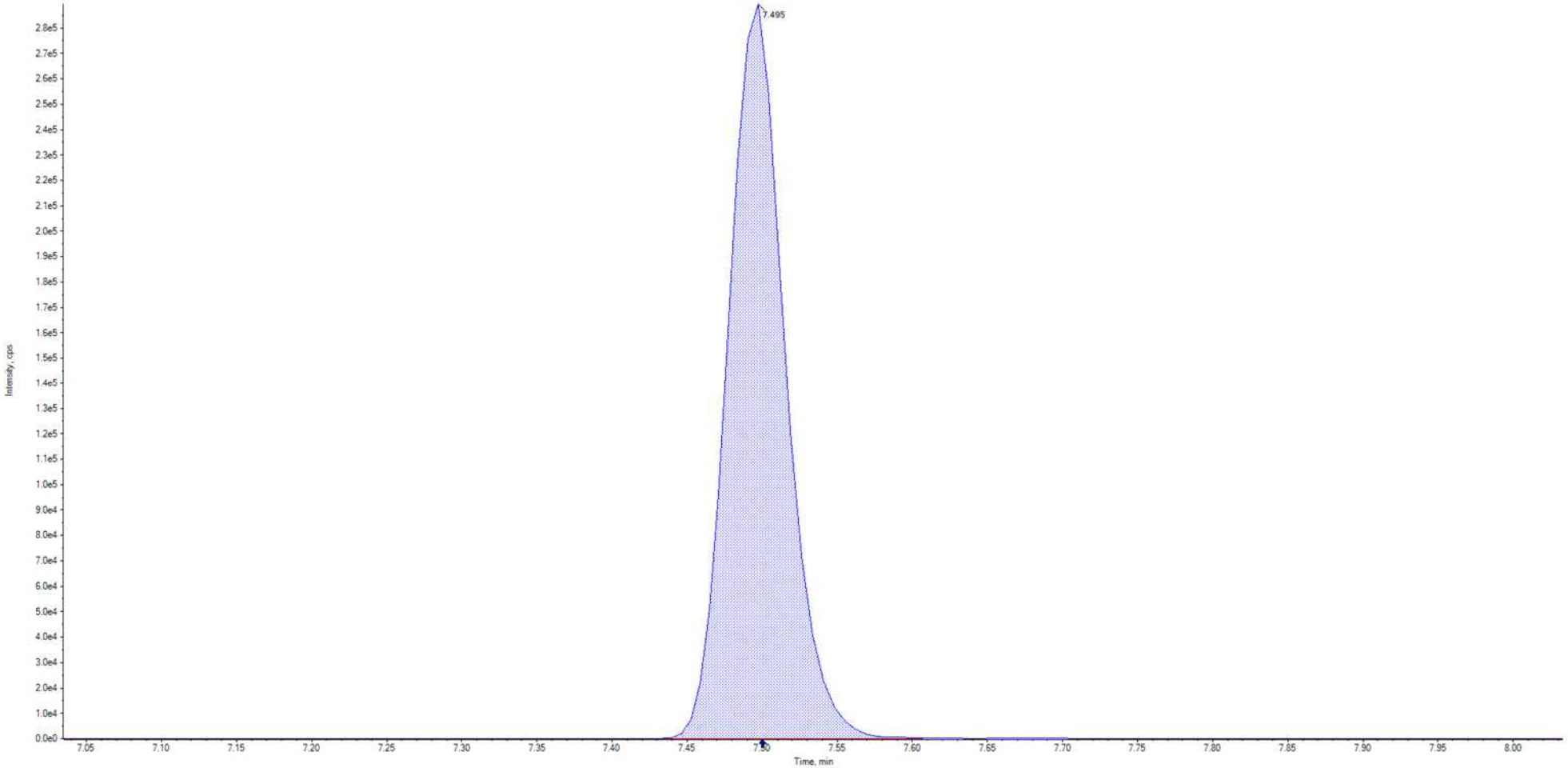

13C5-PFNA
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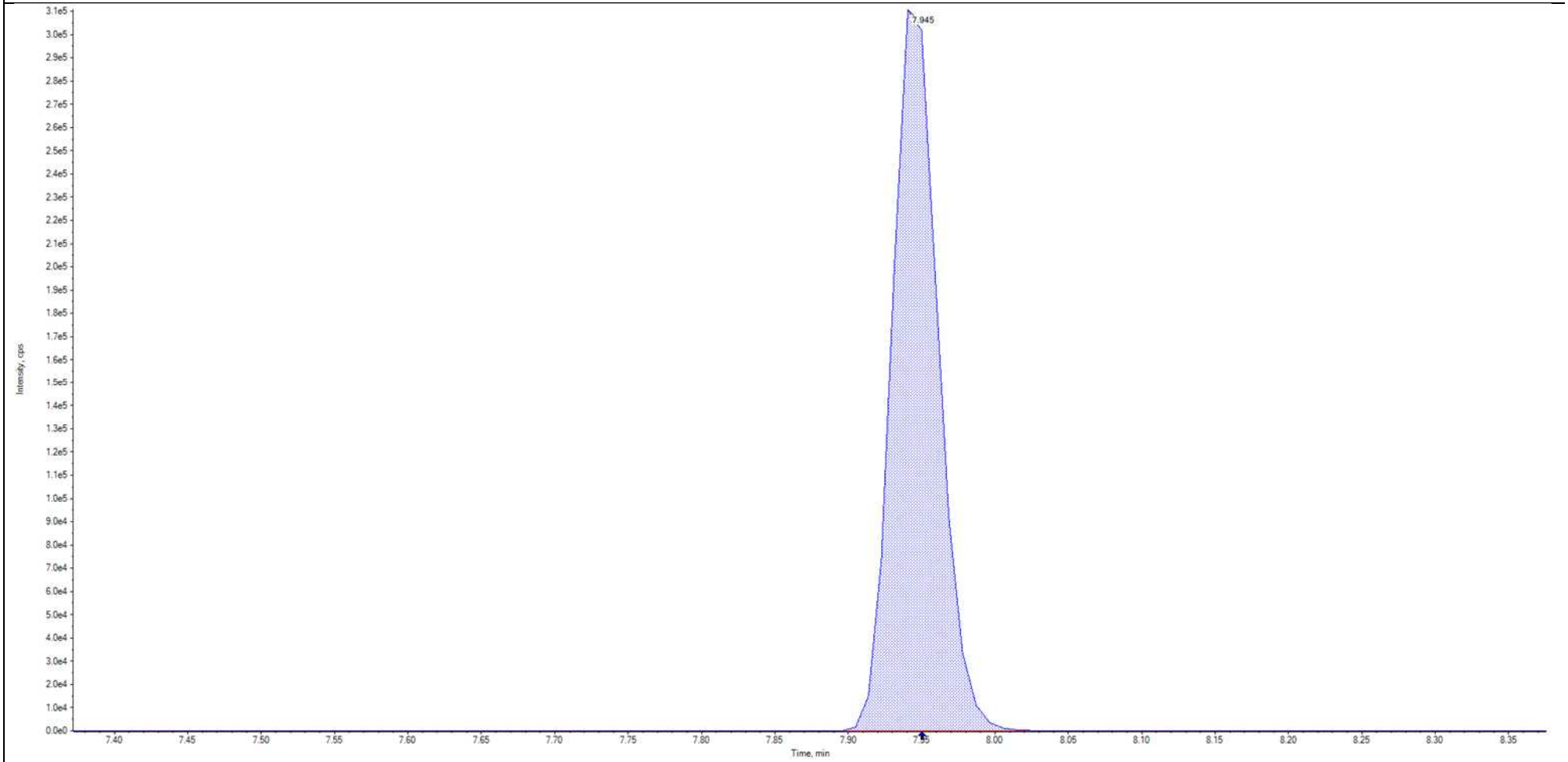

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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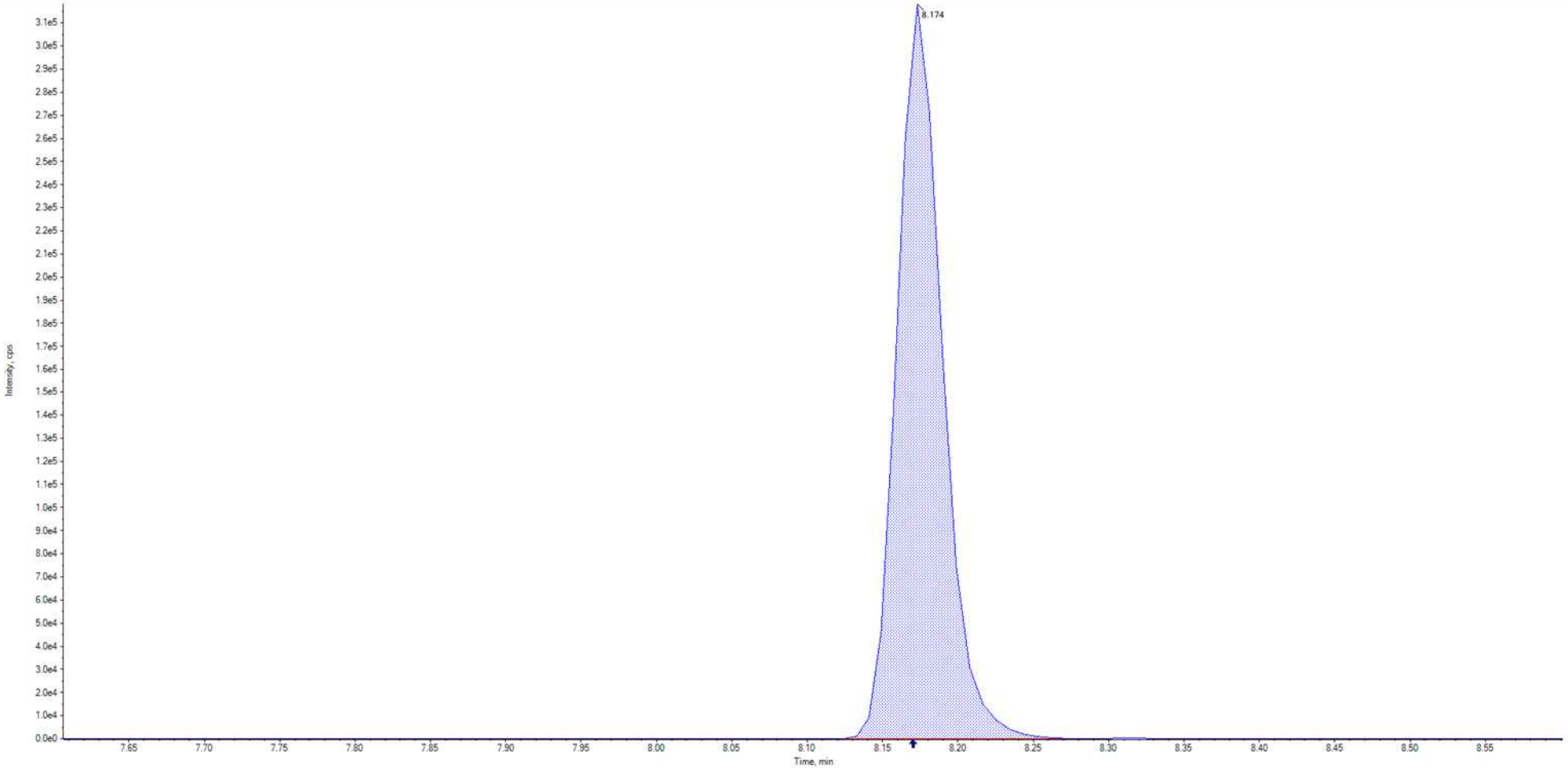
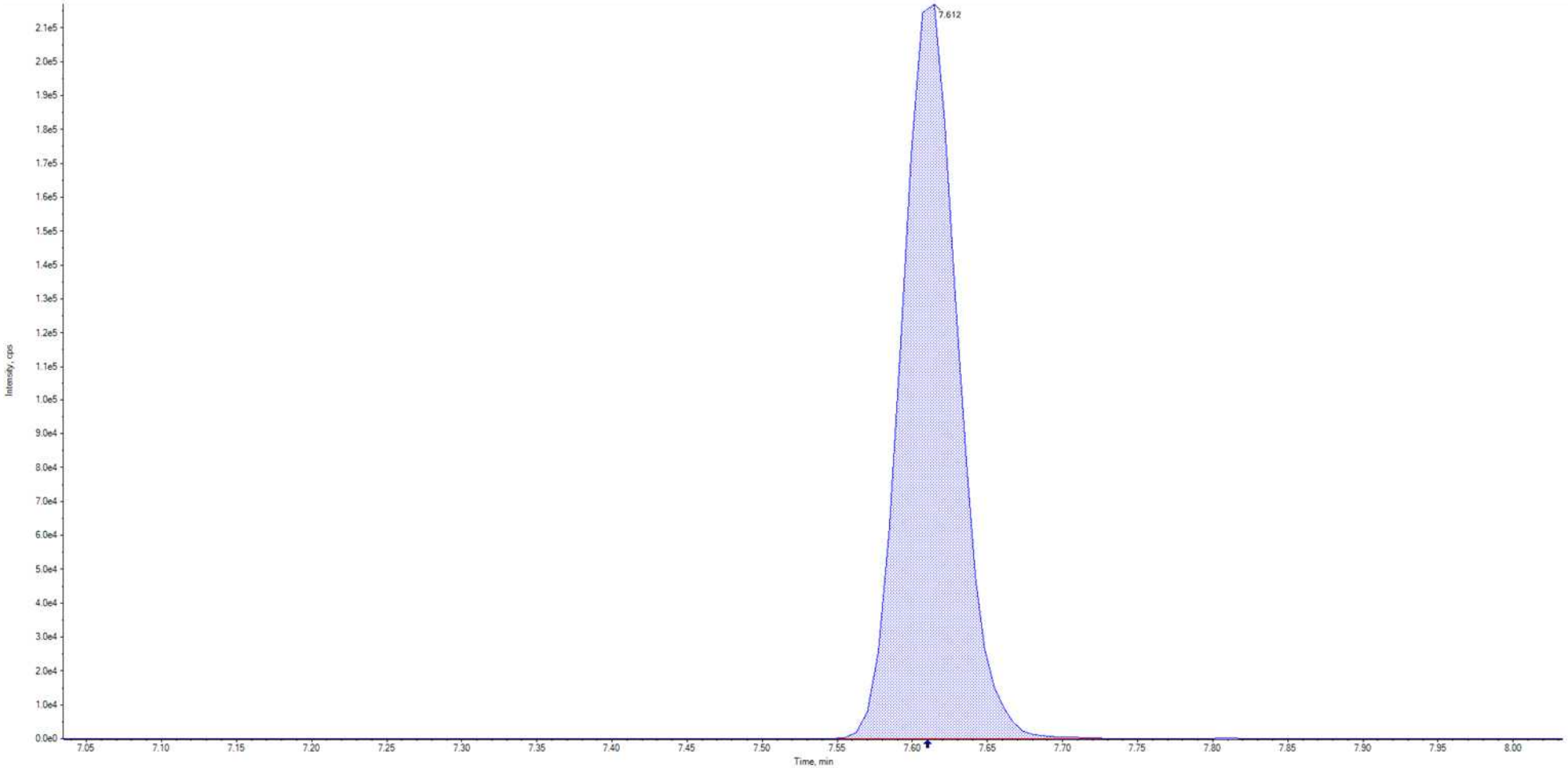
13C2-PFDA
Sample: IA1633STD-2.5



18O2-PFHxS
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C4-PFOS
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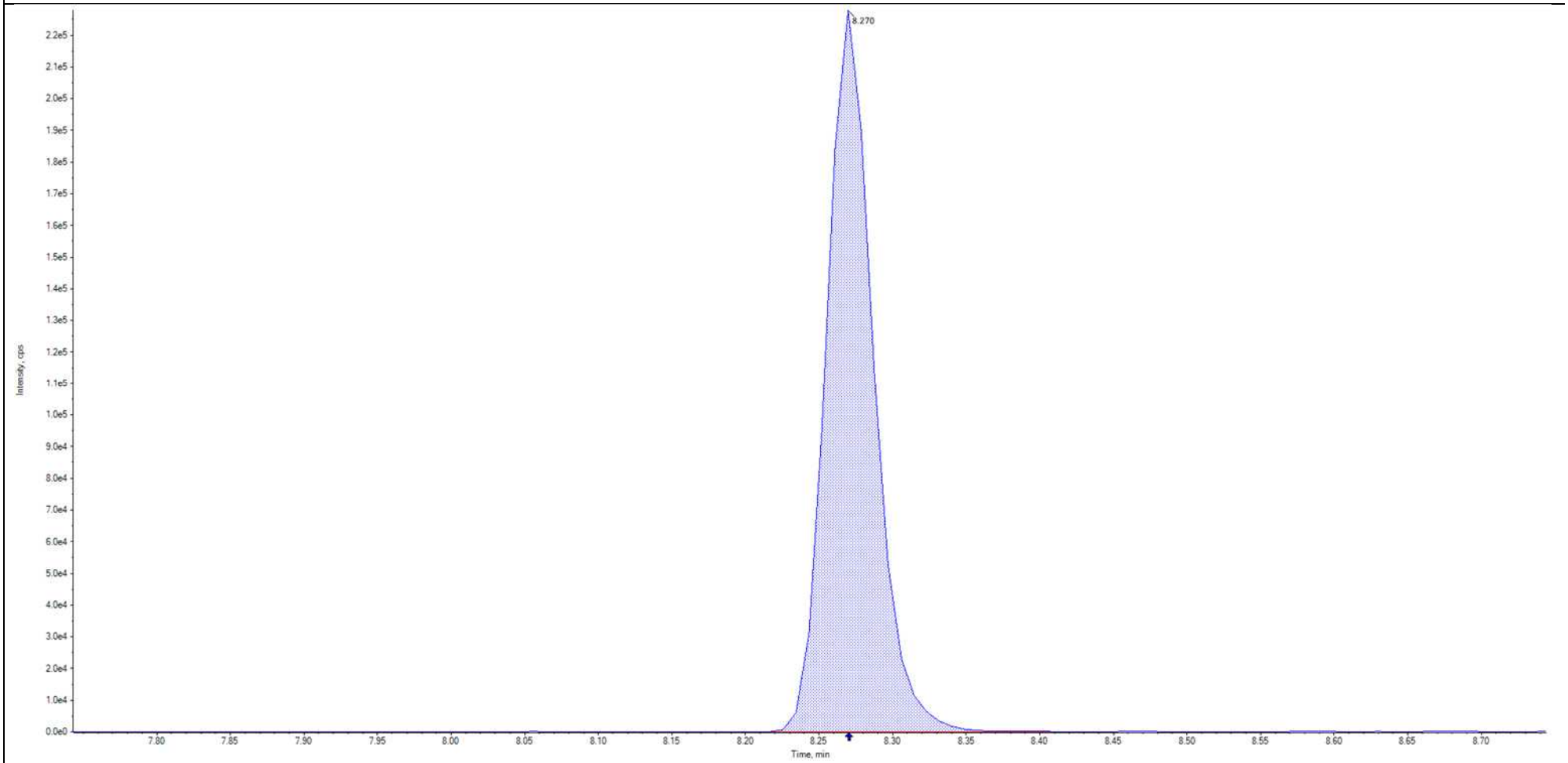

Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-5
Name: SCI05_240813_76.wiff
Date & Time: 2024-08-13T22:54:05
Description: WG1958909,,,50 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	4086434		20.562	N/A	N/A	N/A	102.8
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	2862778		9.744	0.007	0.007	N/A	97.4
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	19955		9.619	0.007	0.007	N/A	96.2
4	PFHxA	307-24-4	5.34	313.0 / 269.0	2736579		5.641	0.070	0.072	Pass	112.8
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	192262		5.364	0.070	0.072	Pass	107.3
6	PFHpA	375-85-9	6.25	363.1 / 319.0	2442453		5.159	0.302	0.297	Pass	103.2
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	736863		5.087	0.302	0.297	Pass	101.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	1457619	M5	4.785	0.569	0.586	Pass	95.7
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	829352	M7	4.969	0.569	0.586	Pass	99.4
10	PFNA	375-95-1	7.95	462.8 / 418.9	2096579	M5	5.020	0.308	0.313	Pass	100.4
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	644944	M7	5.053	0.308	0.313	Pass	101.1
12	PFDA	335-76-2	8.18	513.1 / 469.1	2380952		4.962	0.154	0.142	Pass	99.2
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	365639		5.084	0.154	0.142	Pass	101.7
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	1816864		4.935	0.189	0.194	Pass	98.7
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	343192		4.812	0.189	0.194	Pass	96.3
16	PFDoA	307-55-1	8.91	613.1 / 569.1	1927599		5.185	0.171	0.167	Pass	103.7
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	330159		5.257	0.171	0.167	Pass	105.1
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	1141052		5.151	0.223	0.228	Pass	103.0
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	254394		5.156	0.223	0.228	Pass	103.1
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	2070325		5.399	0.132	0.137	Pass	108.0
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	273850		5.221	0.132	0.137	Pass	104.4
22	PFBS	375-73-5	5.32	299.1 / 80.1	1500220		4.415	0.401	0.396	Pass	99.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	600848		4.435	0.401	0.396	Pass	100.0
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	1312585		5.045	0.304	0.299	Pass	107.2
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	398592		5.079	0.304	0.299	Pass	108.0
26	PFHxS	355-46-4	7.62	399.1 / 80.1	1147248	M5	4.712	0.302	0.315	Pass	103.1
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	346723	M7	4.585	0.302	0.315	Pass	100.3
28	PFHpS	375-92-8	8.02	449.1 / 80.1	1320608		5.126	0.275	0.287	Pass	107.6
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	363124		4.809	0.275	0.287	Pass	100.9
30	PFOS	1763-23-1	8.27	499.1 / 80.1	1290080	M5	4.703	0.236	0.238	Pass	101.4
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	303835		4.521	0.236	0.238	Pass	97.4
32	PFNS	68259-12-1	8.63	549.1 / 80.1	887318		5.039	0.302	0.301	Pass	104.8
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	268114		5.027	0.302	0.301	Pass	104.5
34	PFDS	335-77-3	9.15	599.1 / 80.1	862876		4.974	0.277	0.275	Pass	103.1
35	PFDS_2	335-77-3	9.15	599.1 / 99.1	238813		4.994	0.277	0.275	Pass	103.5
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	781329		4.917	0.286	0.274	Pass	101.4
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	223643		5.123	0.286	0.274	Pass	105.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	2150596		18.418	0.509	0.516	Pass	98.2
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	1095189		17.532	0.509	0.516	Pass	93.5
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	1415815		19.813	0.537	0.565	Pass	104.3
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	759626		19.654	0.537	0.565	Pass	103.4
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	1682010		20.590	0.640	0.662	Pass	107.2
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	1076586		19.430	0.640	0.662	Pass	101.2
44	PFOSA	754-91-6	9.55	498.1 / 78.1	1244740	M5	4.960	0.025	0.025	Pass	99.2
45	PFOSA_2	754-91-6	9.54	498.1 / 478.0	31069	M7	4.719	0.025	0.025	Pass	94.4
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	337828	M5	5.149	1.517	1.551	Pass	103.0
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	512474	M7	5.040	1.517	1.551	Pass	100.8
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	342011	M5	5.144	1.289	1.285	Pass	102.9
49	NEtFOSA_2	4151-50-2	10.34	526.2 / 169.0	440762	M7	4.952	1.289	1.285	Pass	99.0
50	NMeFOSAA	2355-31-9	8.23	570.2 / 419.1	460043		5.042	0.617	0.700	Pass	100.9
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	283762	M7	4.891	0.617	0.700	Pass	97.8
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	356003		4.951	0.482	0.487	Pass	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	171457	M7	5.181	0.482	0.487	Pass	103.6
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	6081925	M5	51.188	N/A	N/A	N/A	102.4
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	10881697	M5	51.623	N/A	N/A	N/A	103.3
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	5113517		20.468	0.465	0.464	Pass	102.3
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	2377549		20.465	0.465	0.464	Pass	102.3
58	ADONA	919005-14-4	6.72	377.1 / 251.0	11102447		19.540	0.640	0.634	Pass	103.4
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	7106688		19.331	0.640	0.634	Pass	102.3
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	11512976		20.550	0.312	0.322	Pass	109.9
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	3591579		19.686	0.312	0.322	Pass	105.3
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	7082207		20.013	0.341	0.331	Pass	105.9
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	2417522		20.299	0.341	0.331	Pass	107.4
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	659551		25.880	0.962	1.074	Pass	103.5
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	634682		24.866	0.962	1.074	Pass	99.5
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	11672941		132.650	0.952	0.953	Pass	106.1
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	11114916		133.486	0.952	0.953	Pass	106.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	12166666		124.195	1.435	1.558	Pass	99.4
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	17464827		122.854	1.435	1.558	Pass	98.3
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	7928840		9.421	0.086	0.087	Pass	105.9
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	680741		9.363	0.086	0.087	Pass	105.2
72	PFMPA	377-73-1	3.85	229.0 / 85.0	351979		9.897	N/A	N/A	N/A	99.0
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	4778782		9.966	N/A	N/A	N/A	99.7
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	880207		9.935	0.971	0.910	Pass	99.4
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	854503		10.521	0.971	0.910	Pass	105.2
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	919882		5.014	N/A	N/A	N/A	100.3
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3324516		2.545	N/A	N/A	N/A	101.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2450640		9.648	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	4.64	268.0 / 223.0	1593343		4.949	NA	NA	NA	99.0
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	995289		2.353	NA	NA	NA	94.1
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1010573		2.387	NA	NA	NA	95.5
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1463773		2.482	NA	NA	NA	99.3
	13C9-PFNA	EIS	7.94	472.0 / 427.0	713171		1.268	NA	NA	NA	101.5
	13C6-PFDA	EIS	8.17	519.0 / 474.0	696053		1.234	NA	NA	NA	98.7
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	582368		1.276	NA	NA	NA	102.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	357349		1.203	NA	NA	NA	96.3
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	382542		1.187	NA	NA	NA	94.9
	13C3-PFBS	EIS	5.31	302.1 / 80.1	809878		2.369	NA	NA	NA	101.7
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	610021		2.247	NA	NA	NA	94.8
	13C8-PFOS	EIS	8.27	507.1 / 80.1	667787		2.272	NA	NA	NA	94.8
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	279445		4.580	NA	NA	NA	97.7
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	207125		4.633	NA	NA	NA	97.4
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	309366		4.728	NA	NA	NA	98.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	938666		2.402	NA	NA	NA	96.1
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	153186		2.328	NA	NA	NA	93.1
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	151356		2.355	NA	NA	NA	94.2
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	693269		4.661	NA	NA	NA	93.2
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	385664		4.934	NA	NA	NA	98.7
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1204068		23.699	NA	NA	NA	94.8
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1795666		23.972	NA	NA	NA	95.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2725359		9.724	NA	NA	NA	97.2
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1111153		5.197	NA	NA	NA	103.9
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1255642		2.564	NA	NA	NA	102.6
	13C4-PFOA	NIS	7.49	417.0 / 372.0	771592		2.465	NA	NA	NA	98.6
	13C5-PFNA	NIS	7.94	468.0 / 423.0	685134		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	8.17	515.1 / 470.1	662819		1.294	NA	NA	NA	103.5
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	551890		2.356	NA	NA	NA	99.4
	13C4-PFOS	NIS	8.27	503.1 / 80.1	520008		2.470	NA	NA	NA	103.1

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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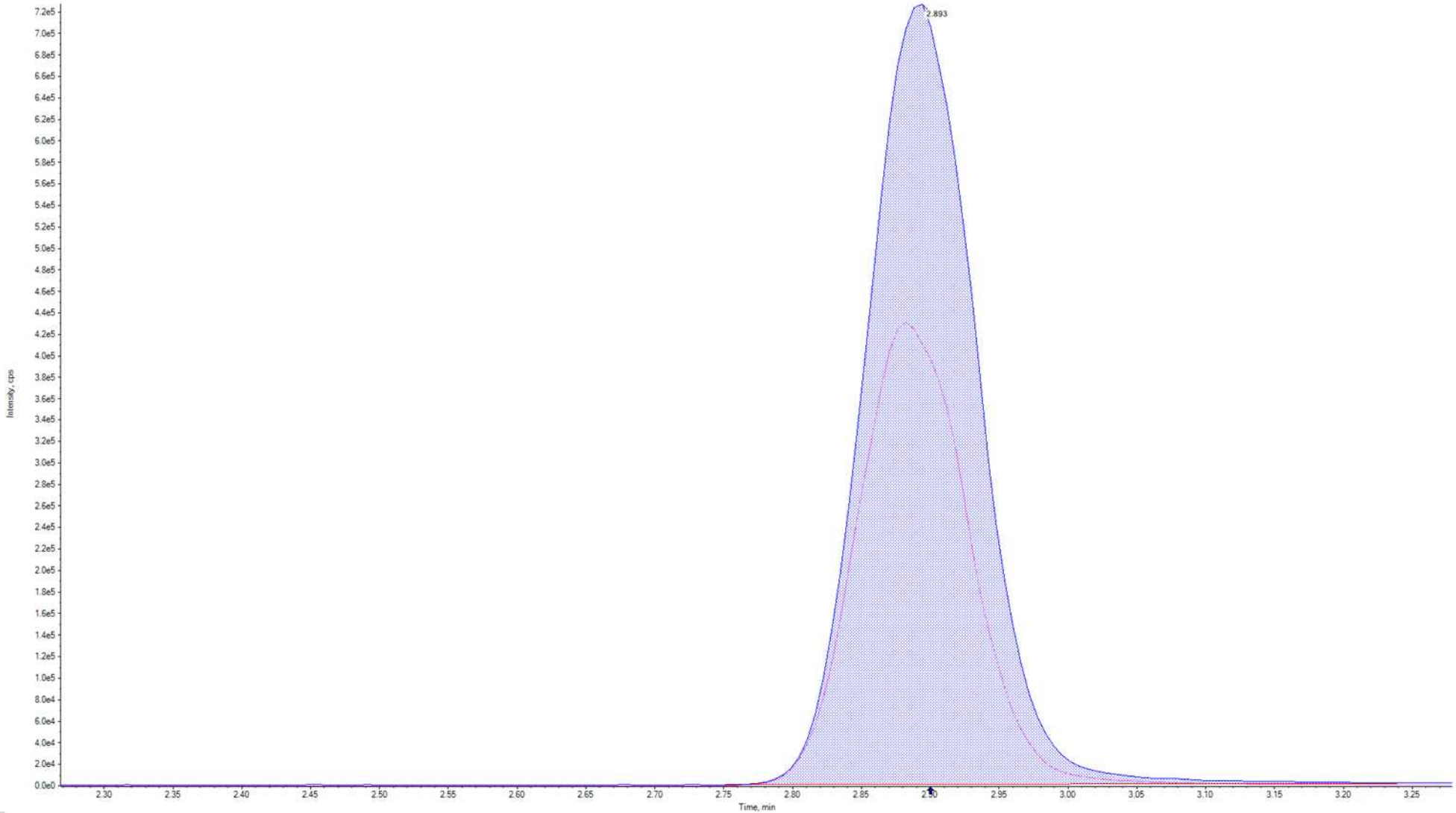
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBA
Sample: IA1633STD-5 S/N:2618.4 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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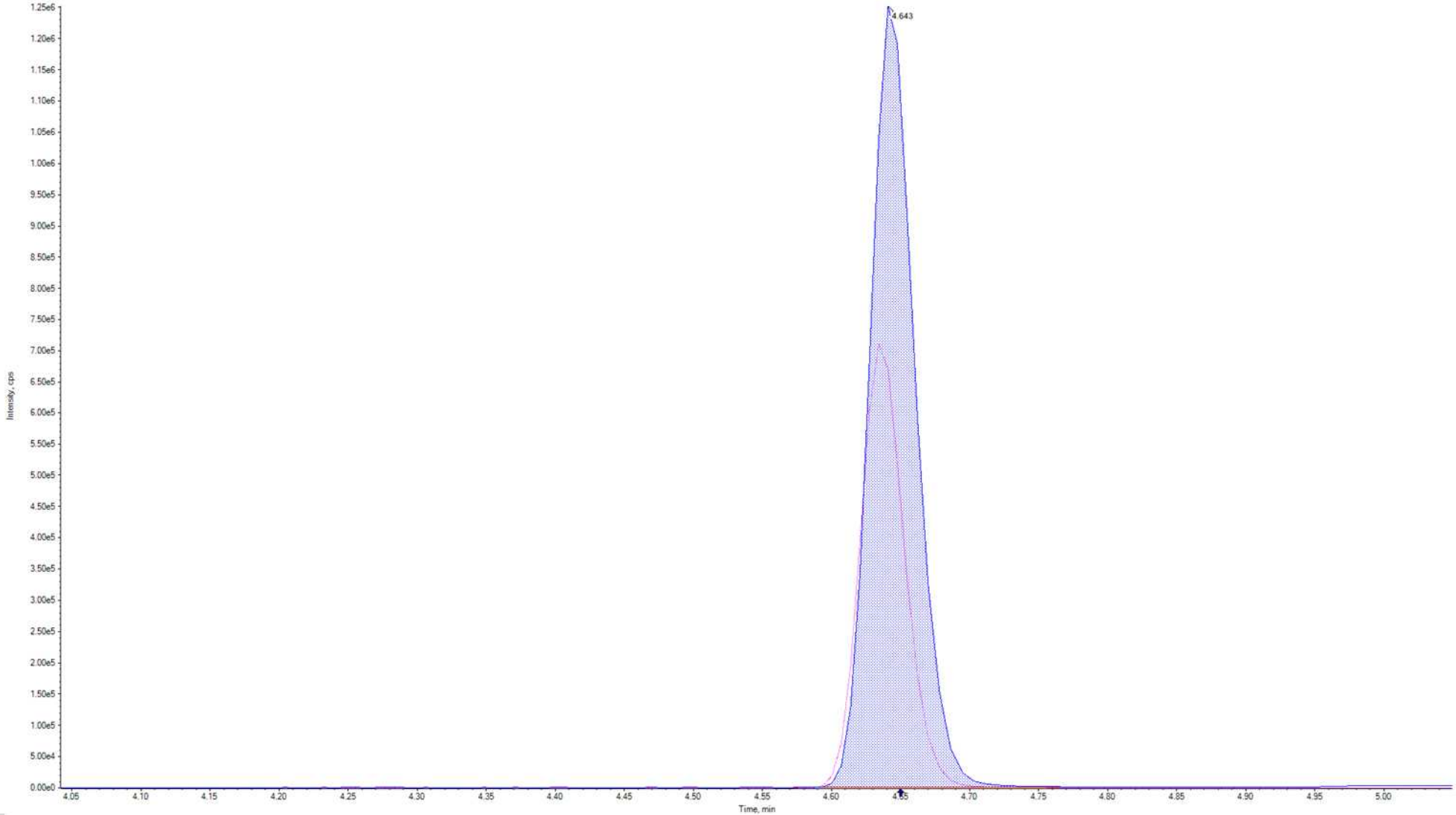
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-5 S/N:4666.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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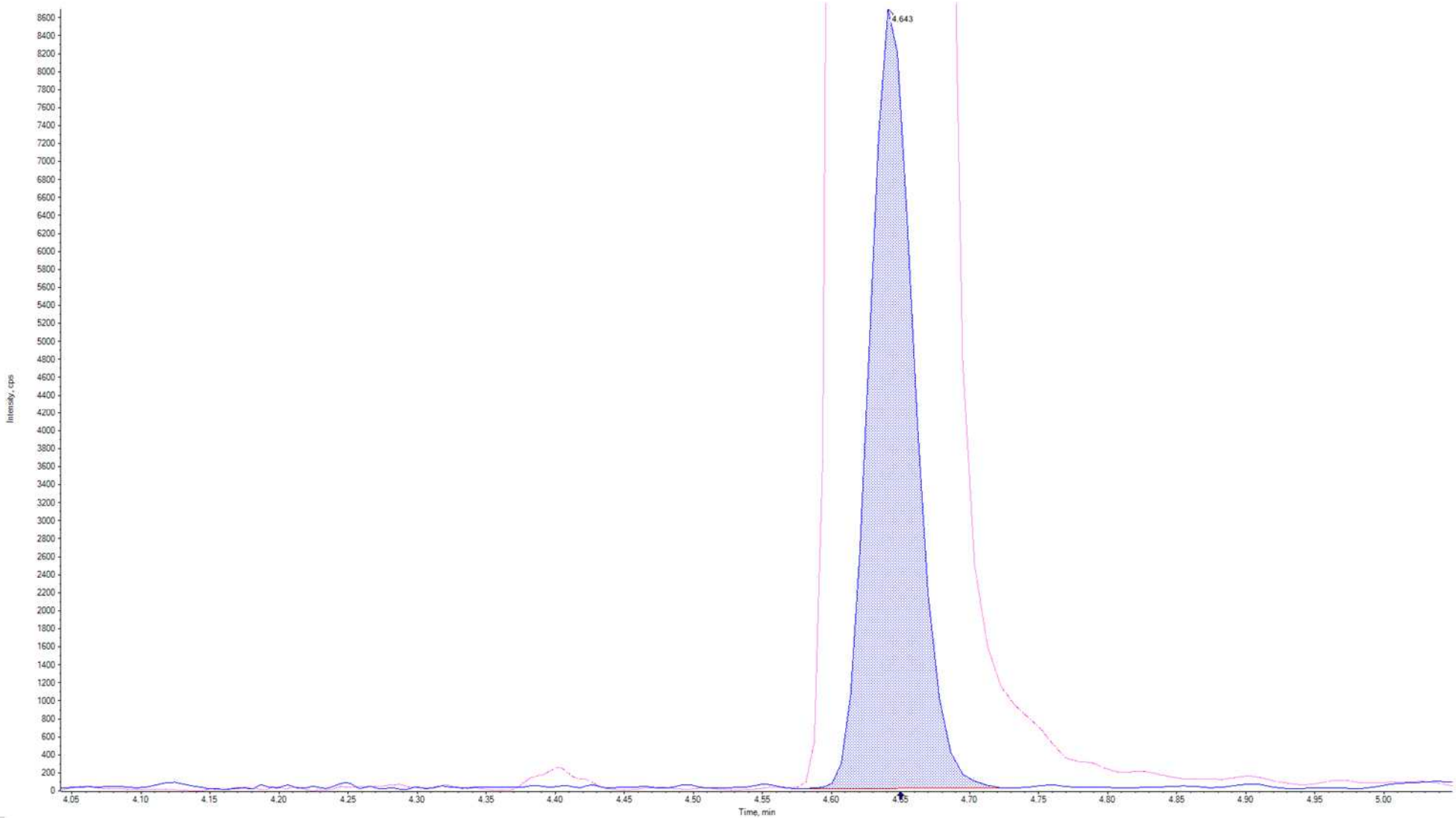
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-5 S/N:988.8 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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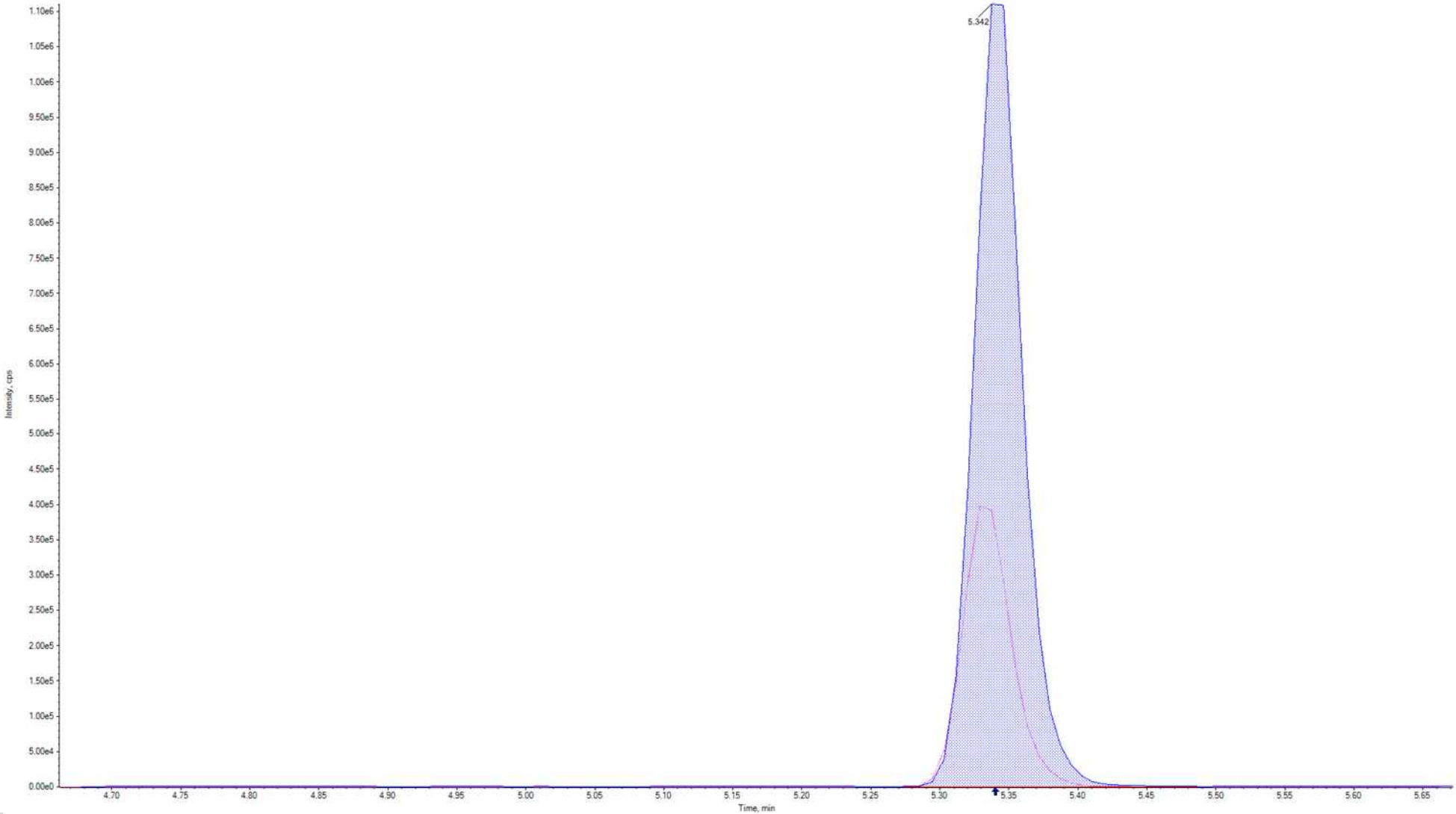
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-5 S/N:2013.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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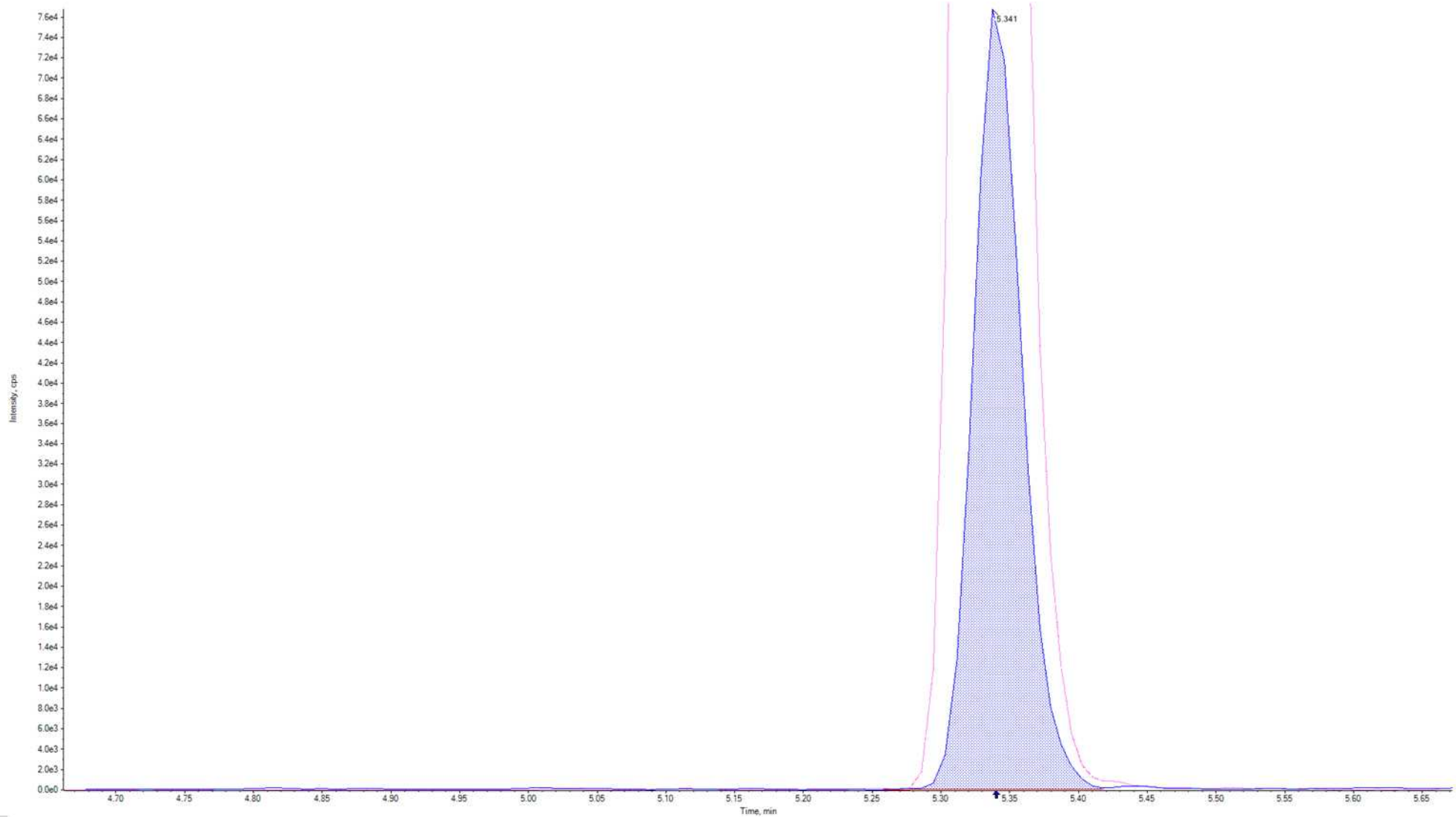
PFHxA_2
Sample: IA1633STD-5 S/N:1766.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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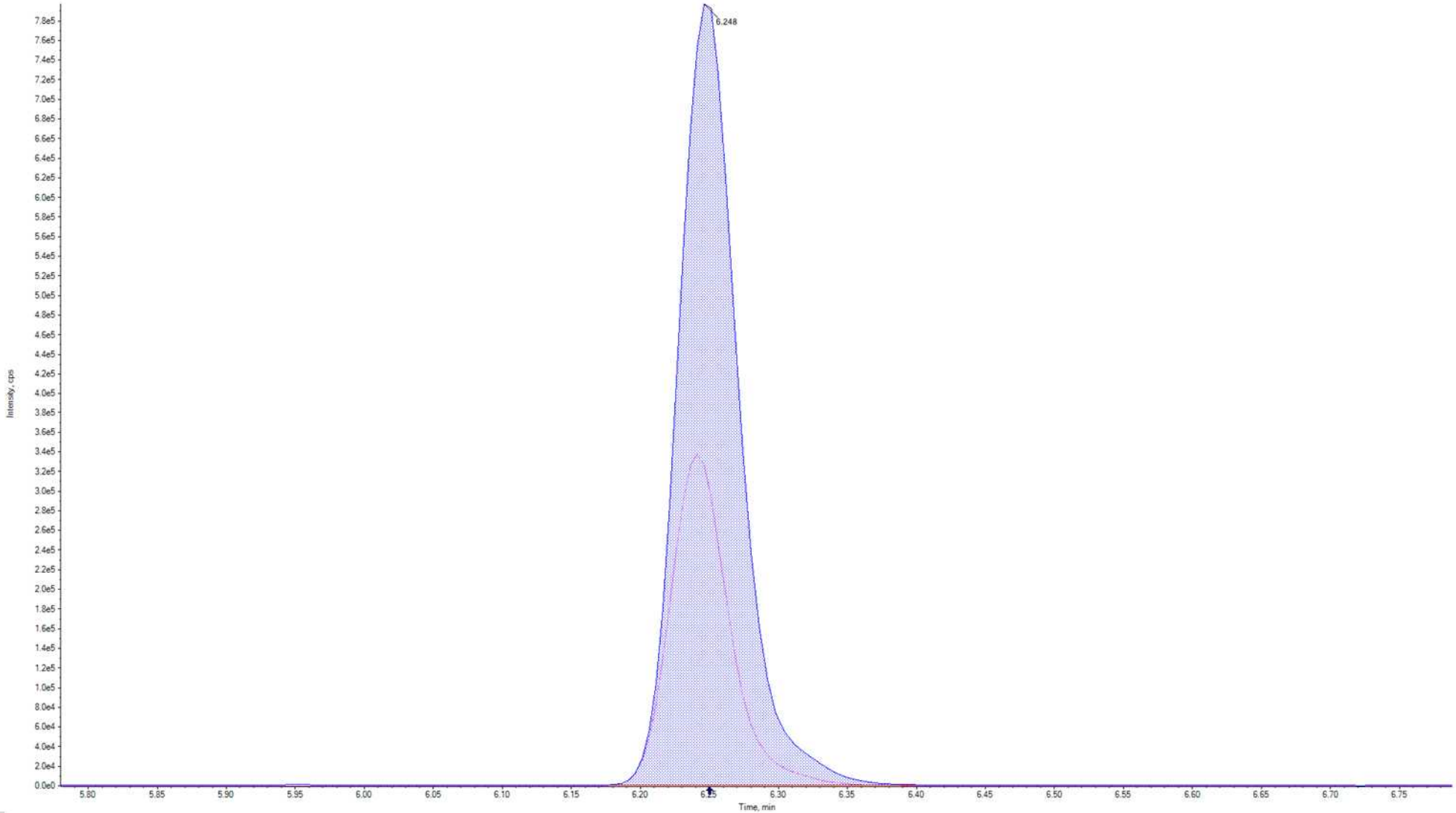
Generated: 8/14/2024 6:27:11 AM

PFHpA
Sample: IA1633STD-5 S/N:3033.0 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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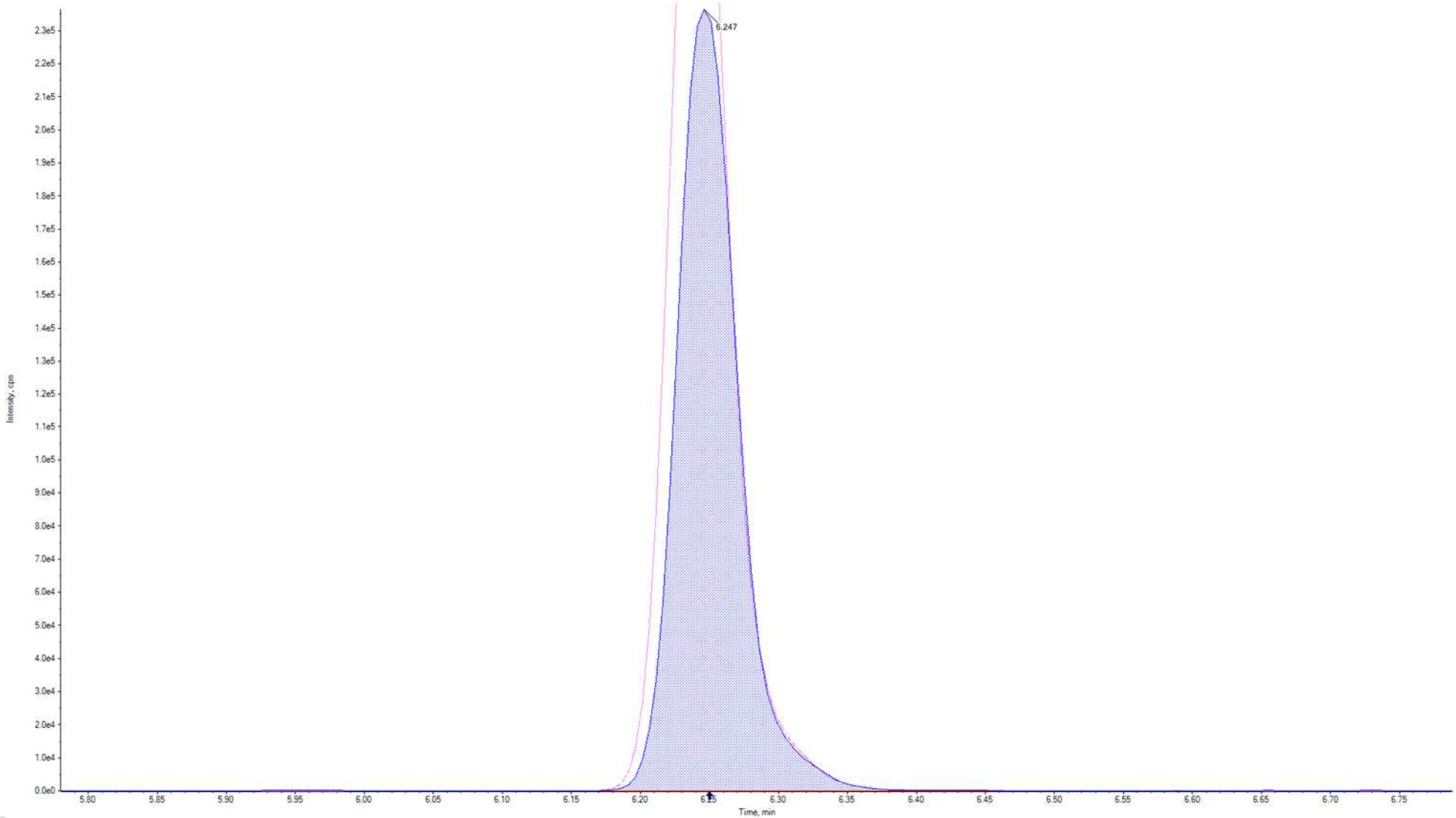
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-5 S/N:8665.8 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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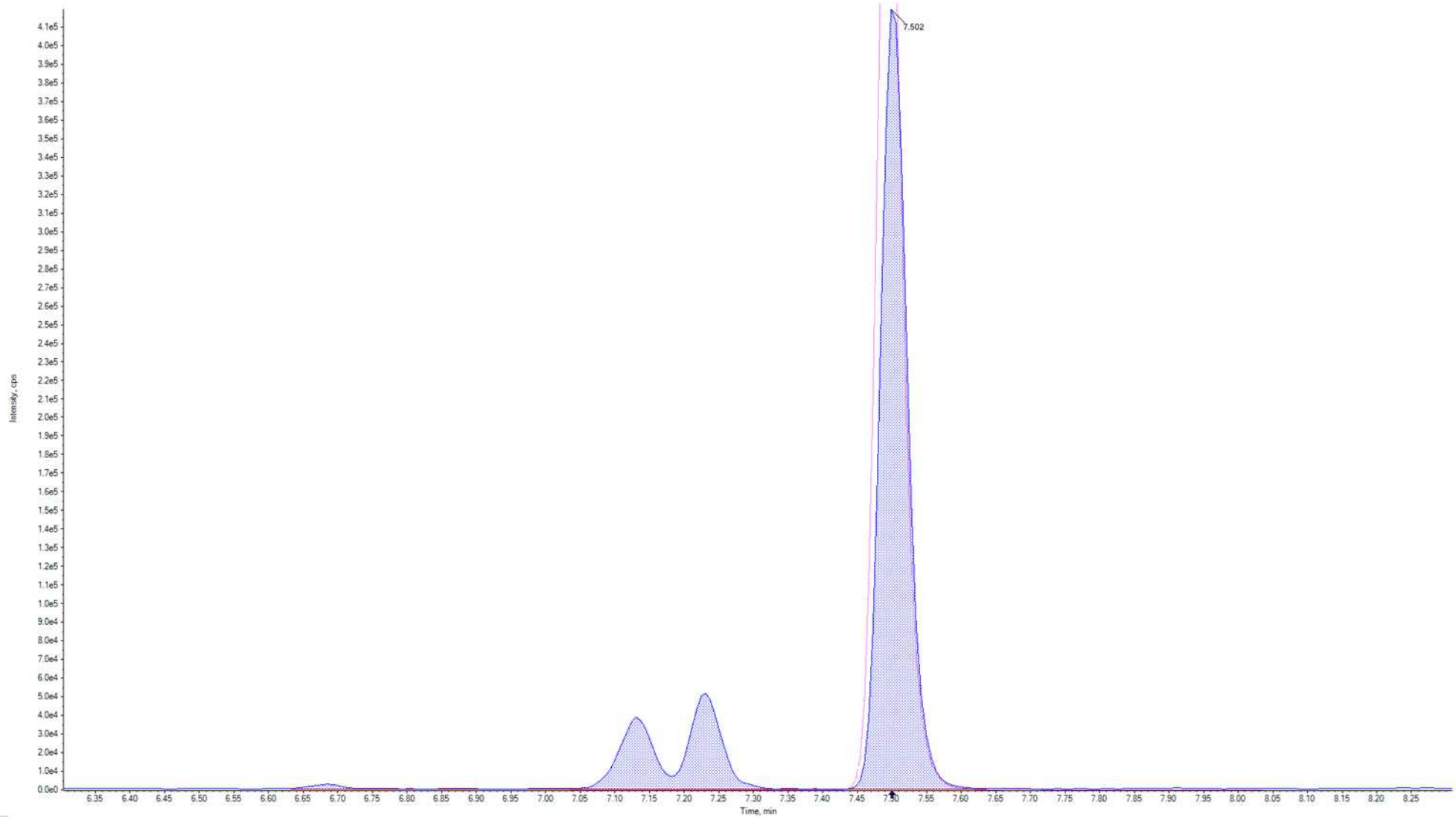
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-5 S/N:2159.4 Points Across peak:154



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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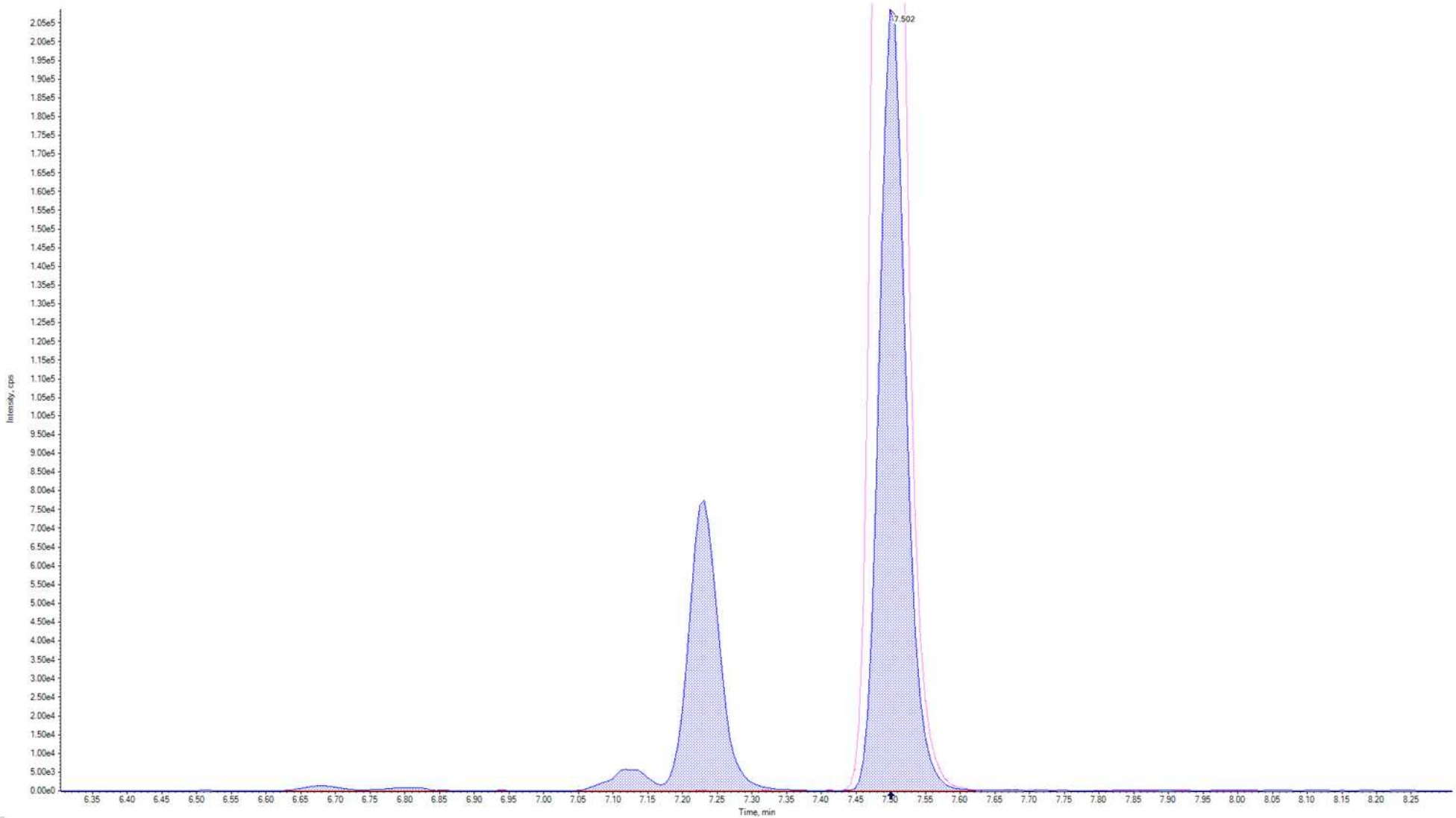
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-5 S/N:41204.2 Points Across peak:153



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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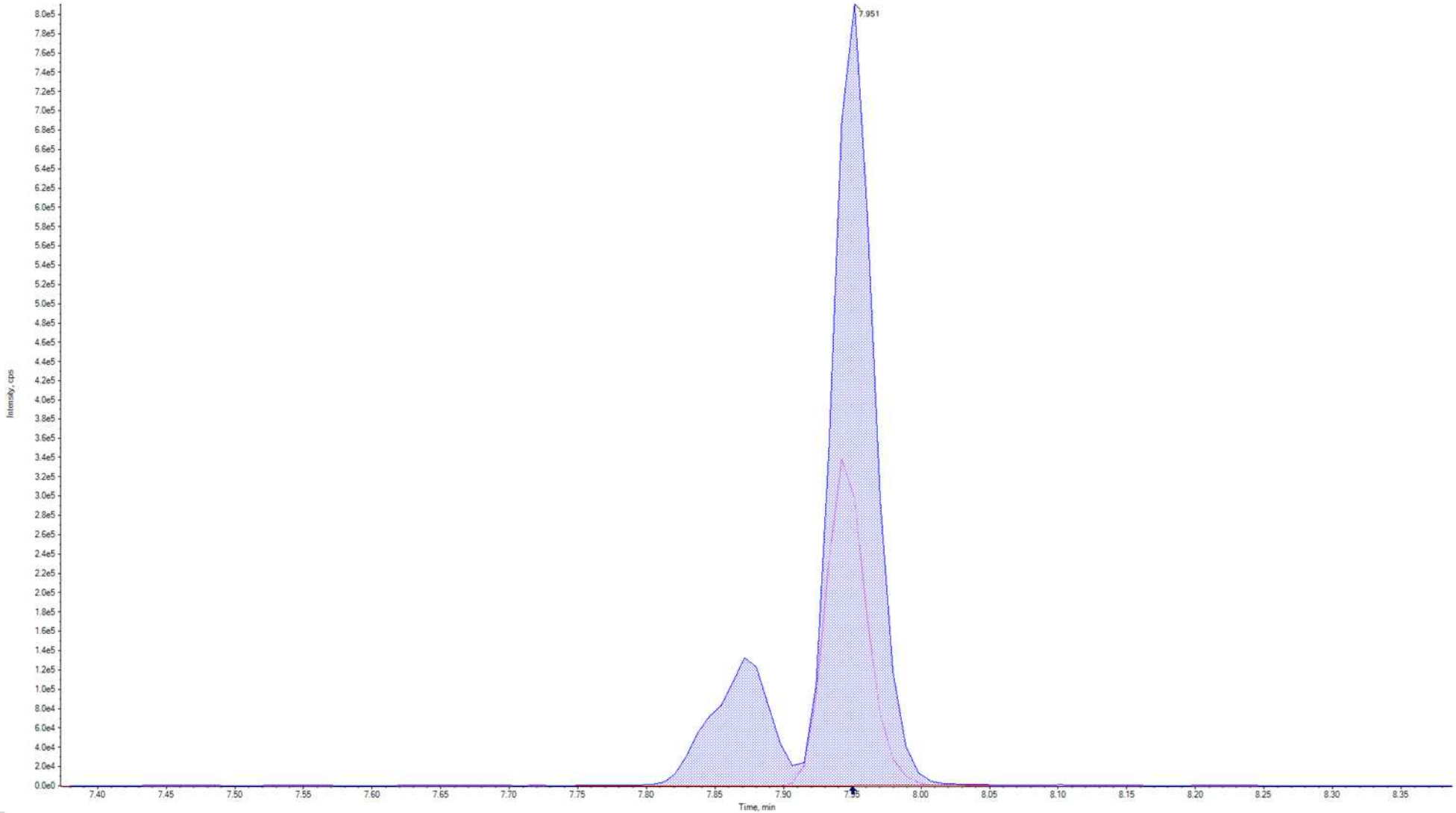
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-5 S/N:2134.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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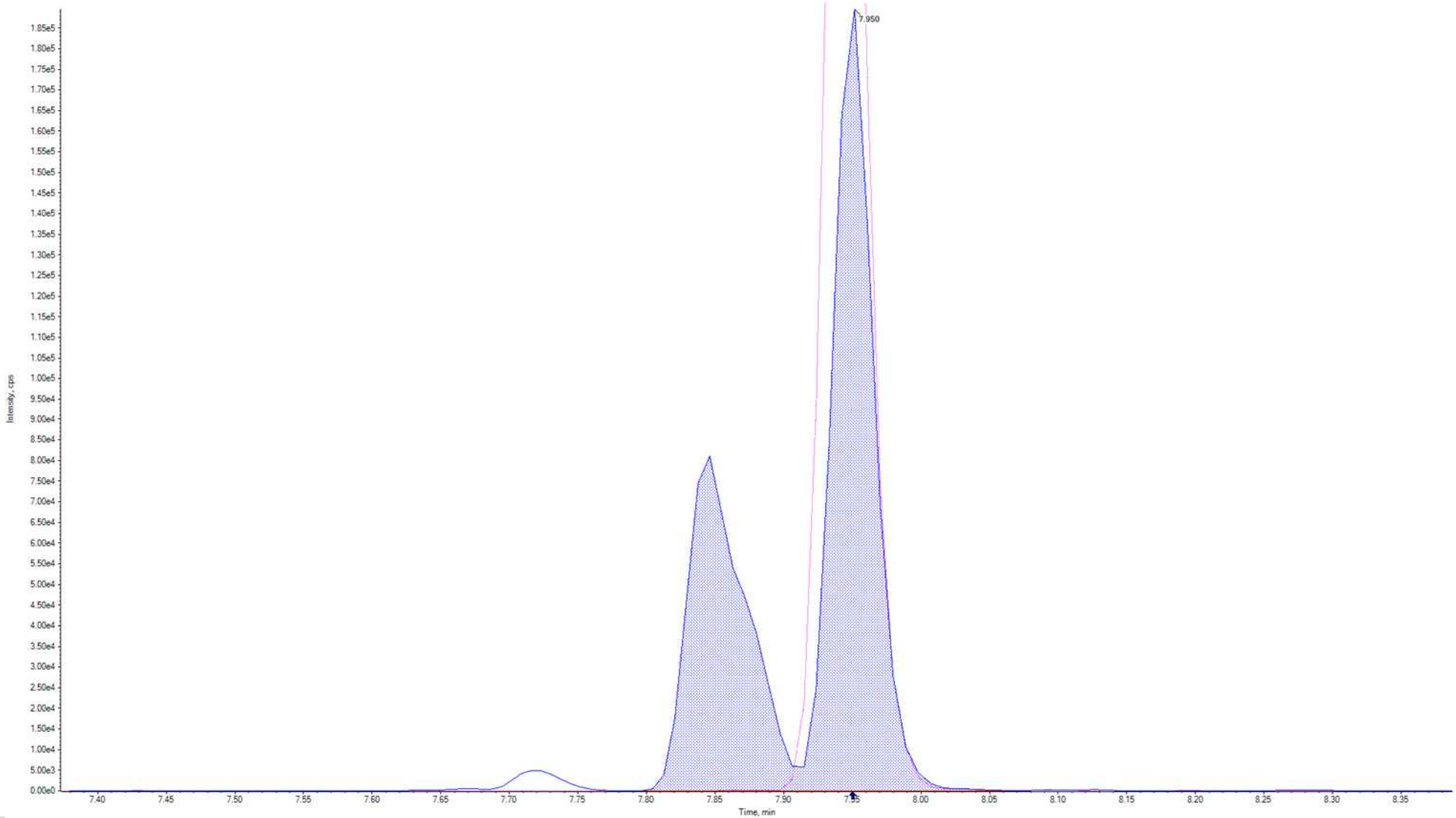
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-5 S/N:1203.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 6:27:11 AM

PFDA
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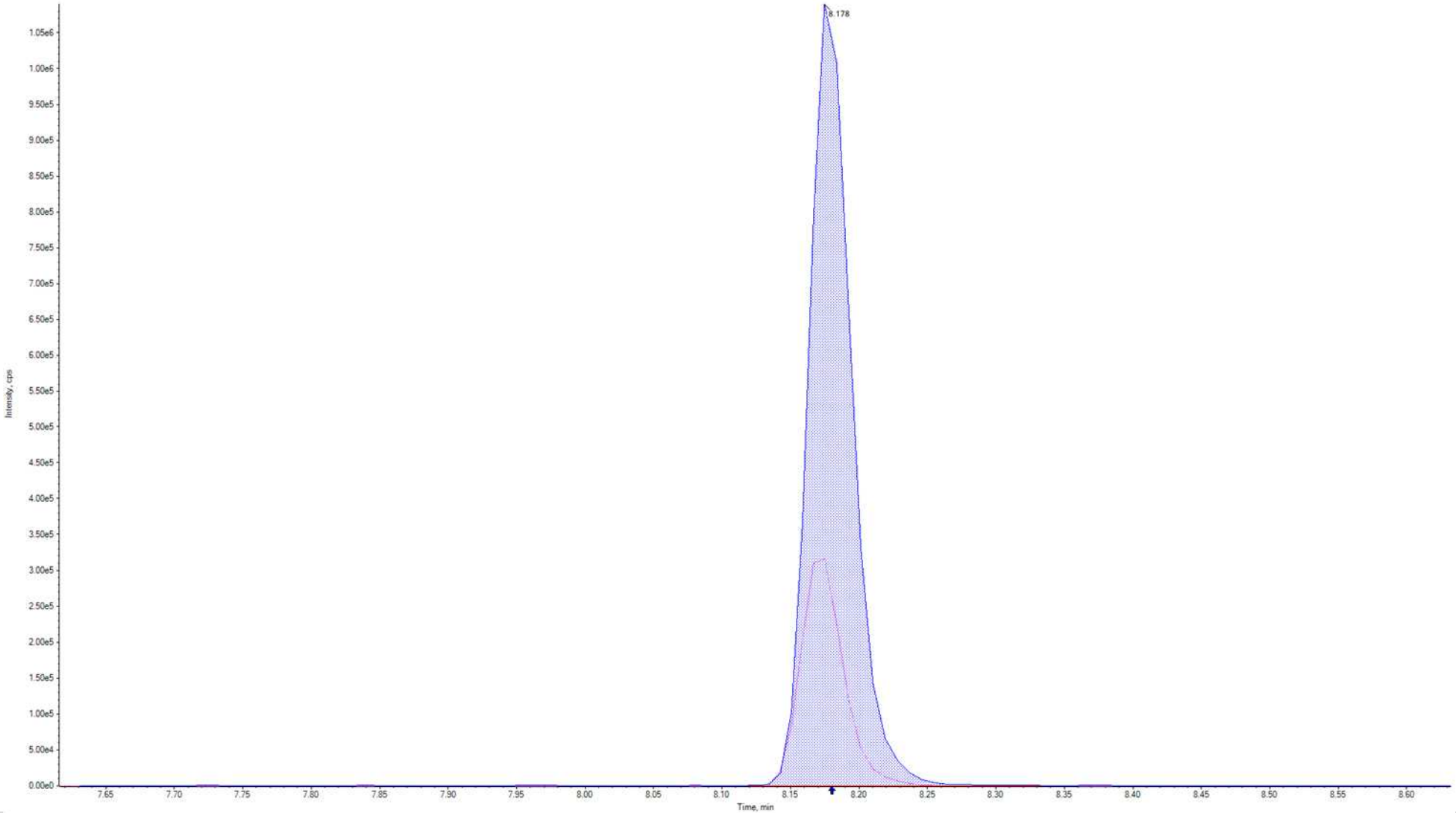

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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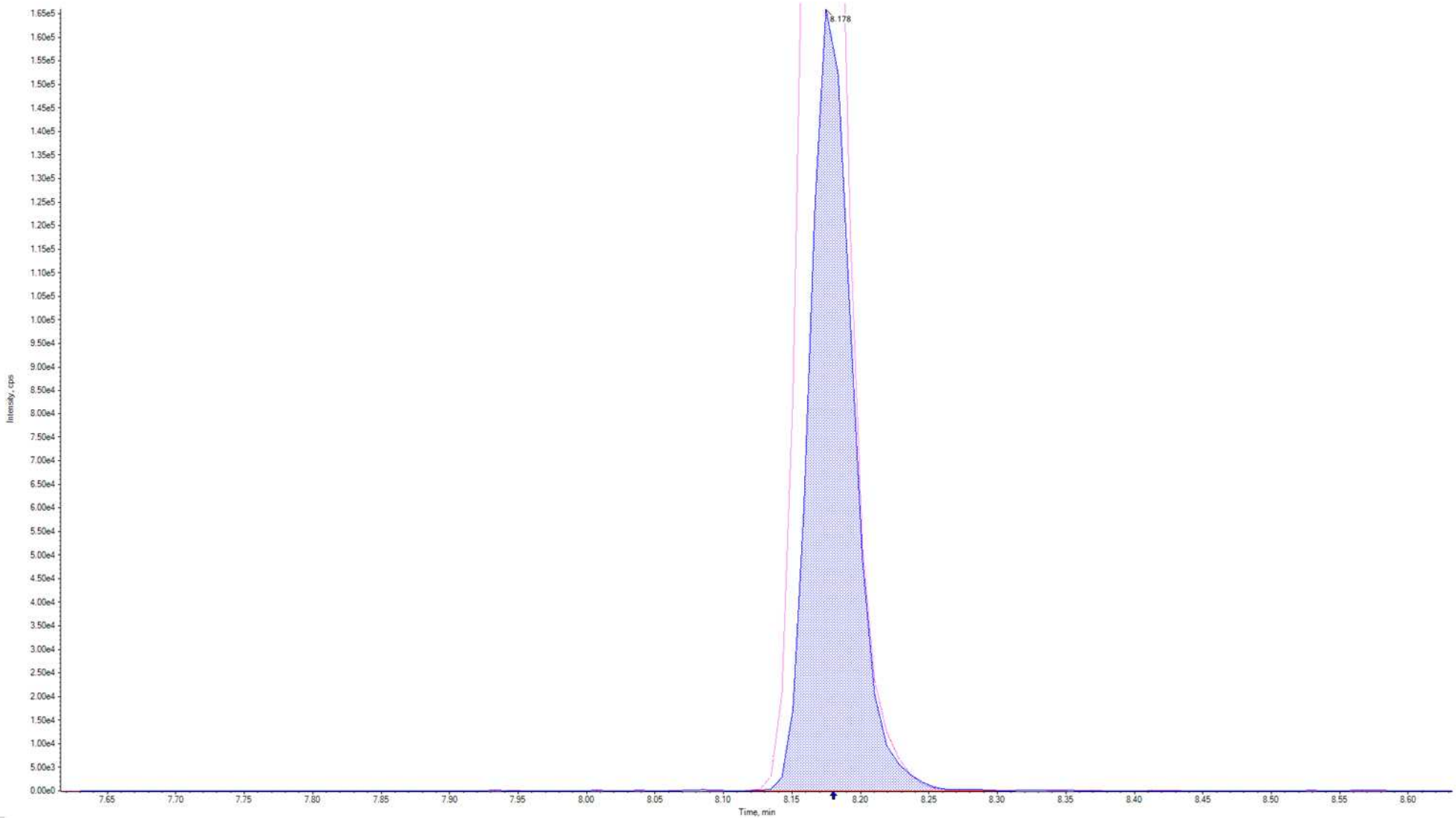
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-5 S/N:2180.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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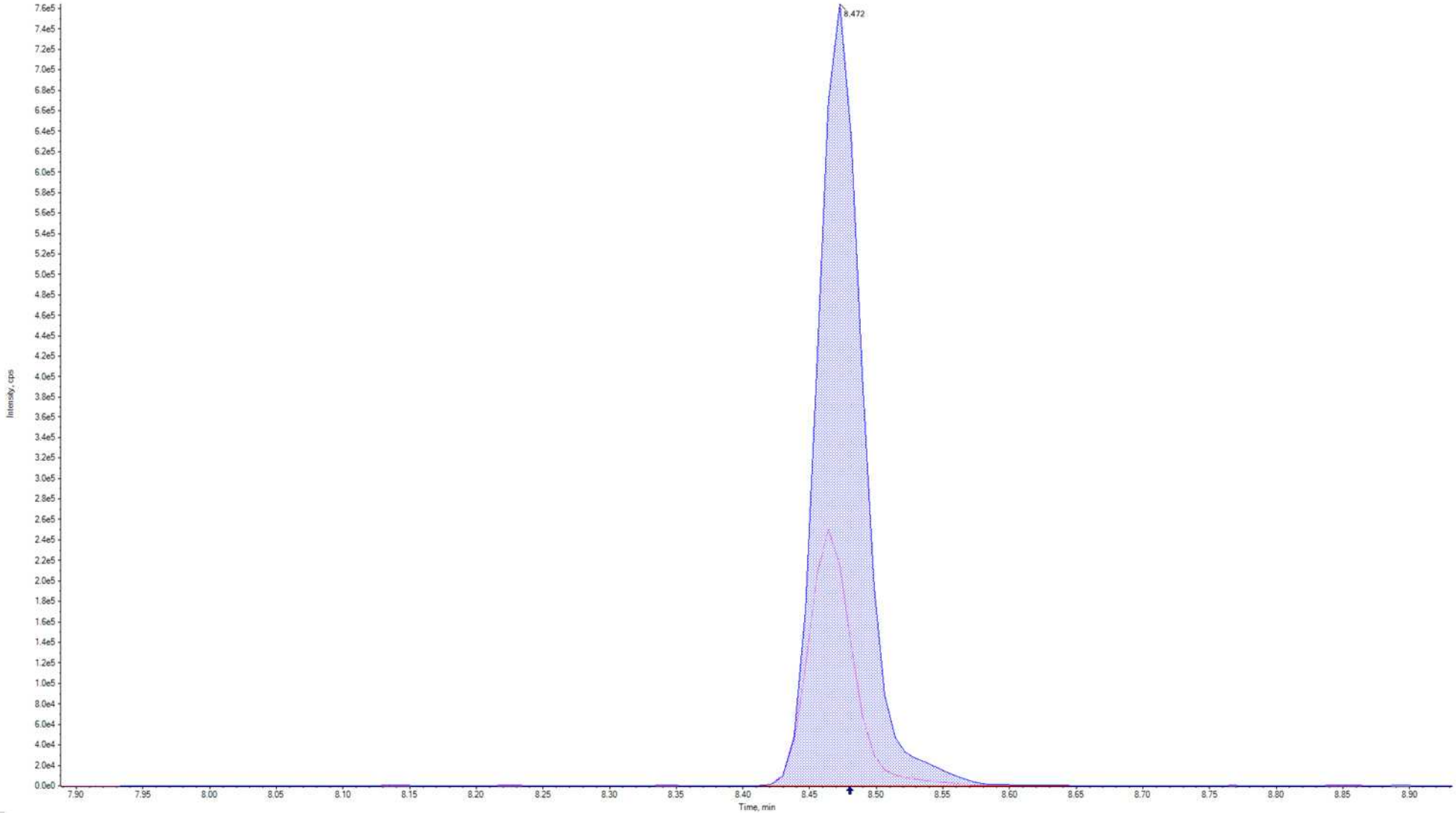
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-5 S/N:7886.0 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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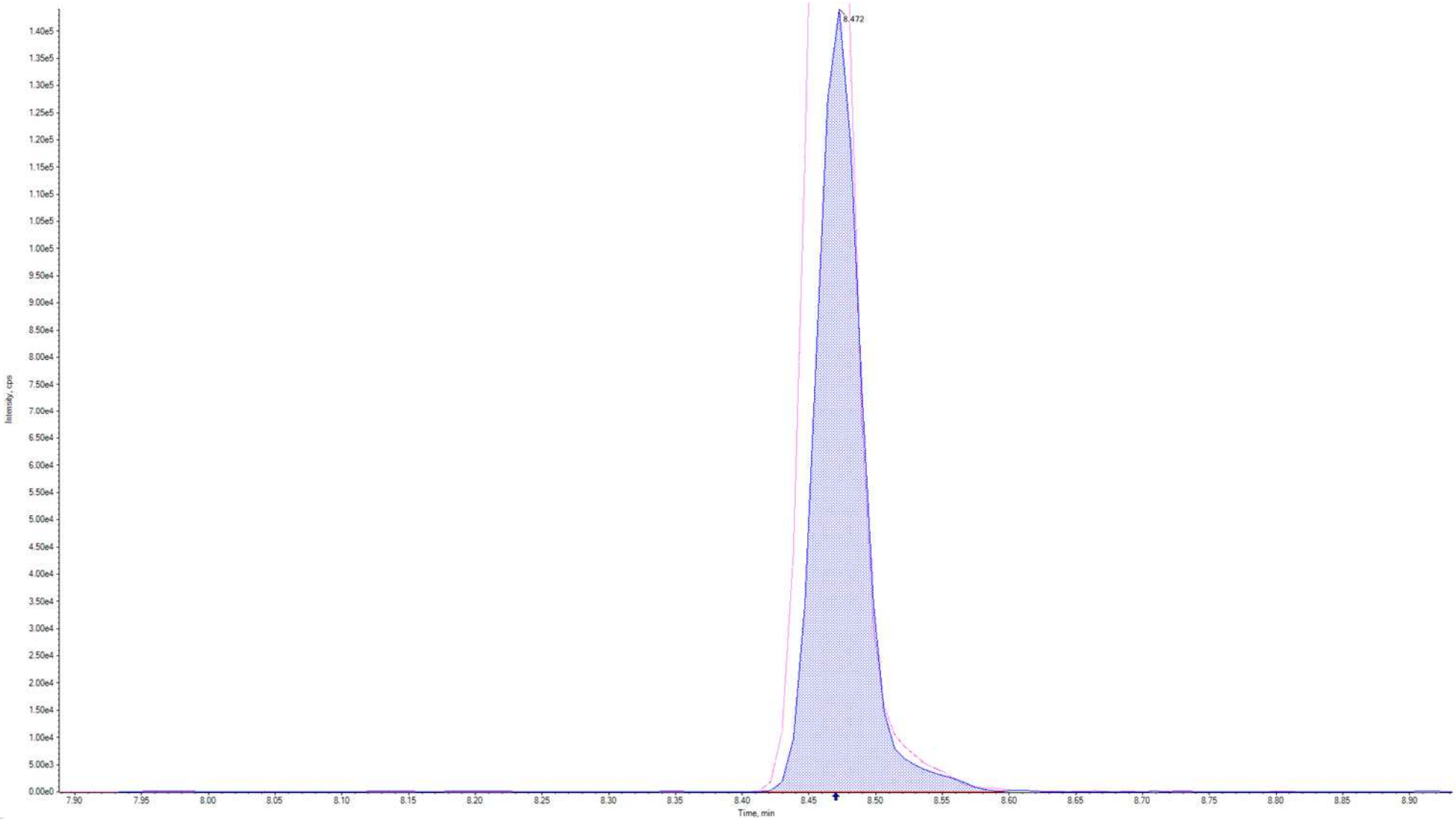
PFUnA_2
Sample: IA1633STD-5 S/N:1501166.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 8/14/2024 6:27:11 AM

PFDoA
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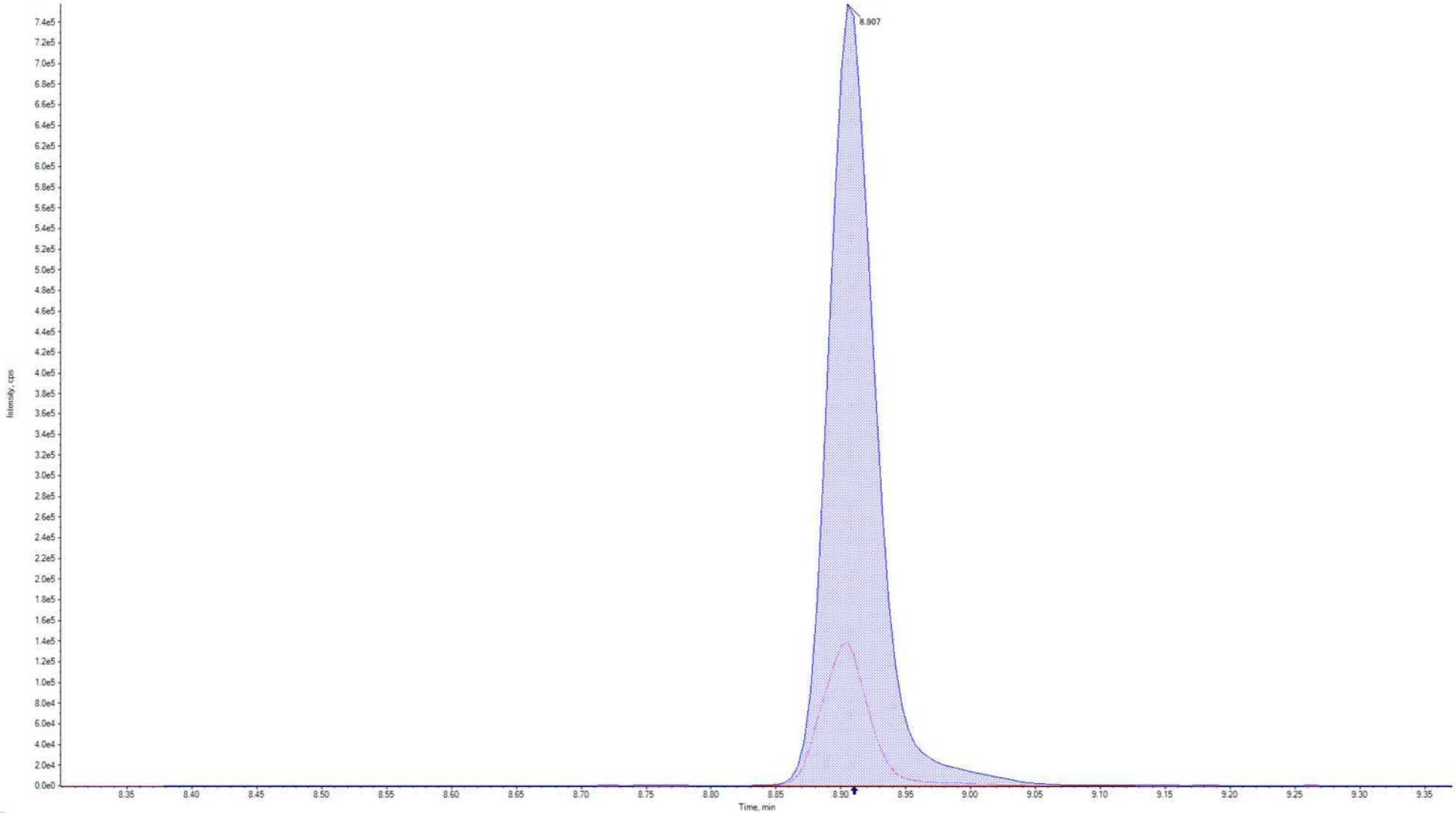

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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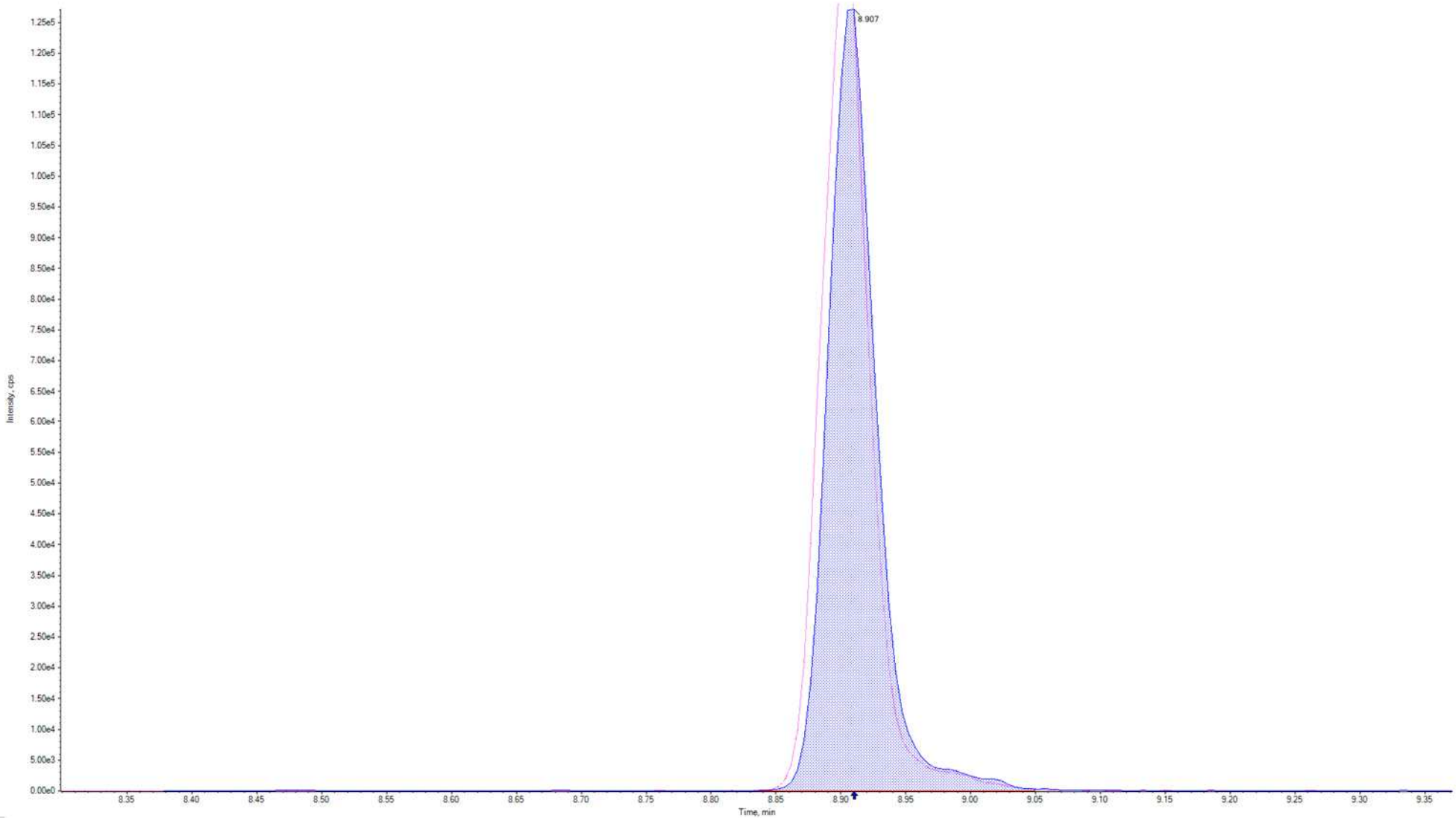
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoA_2
Sample: IA1633STD-5 S/N:230707.9 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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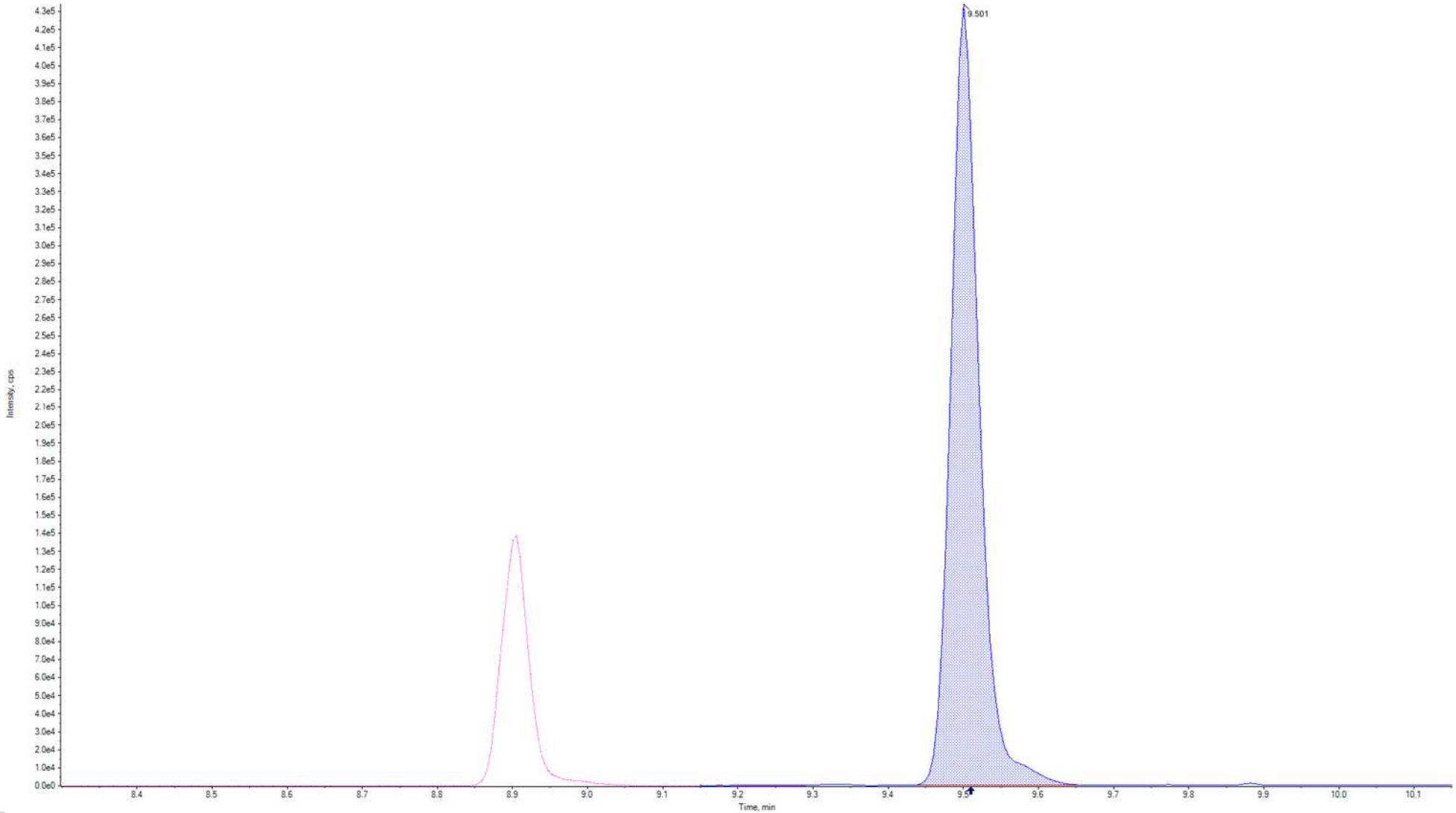
Generated: 8/14/2024 6:27:11 AM

PFTrDA
Sample: IA1633STD-5 S/N:2531.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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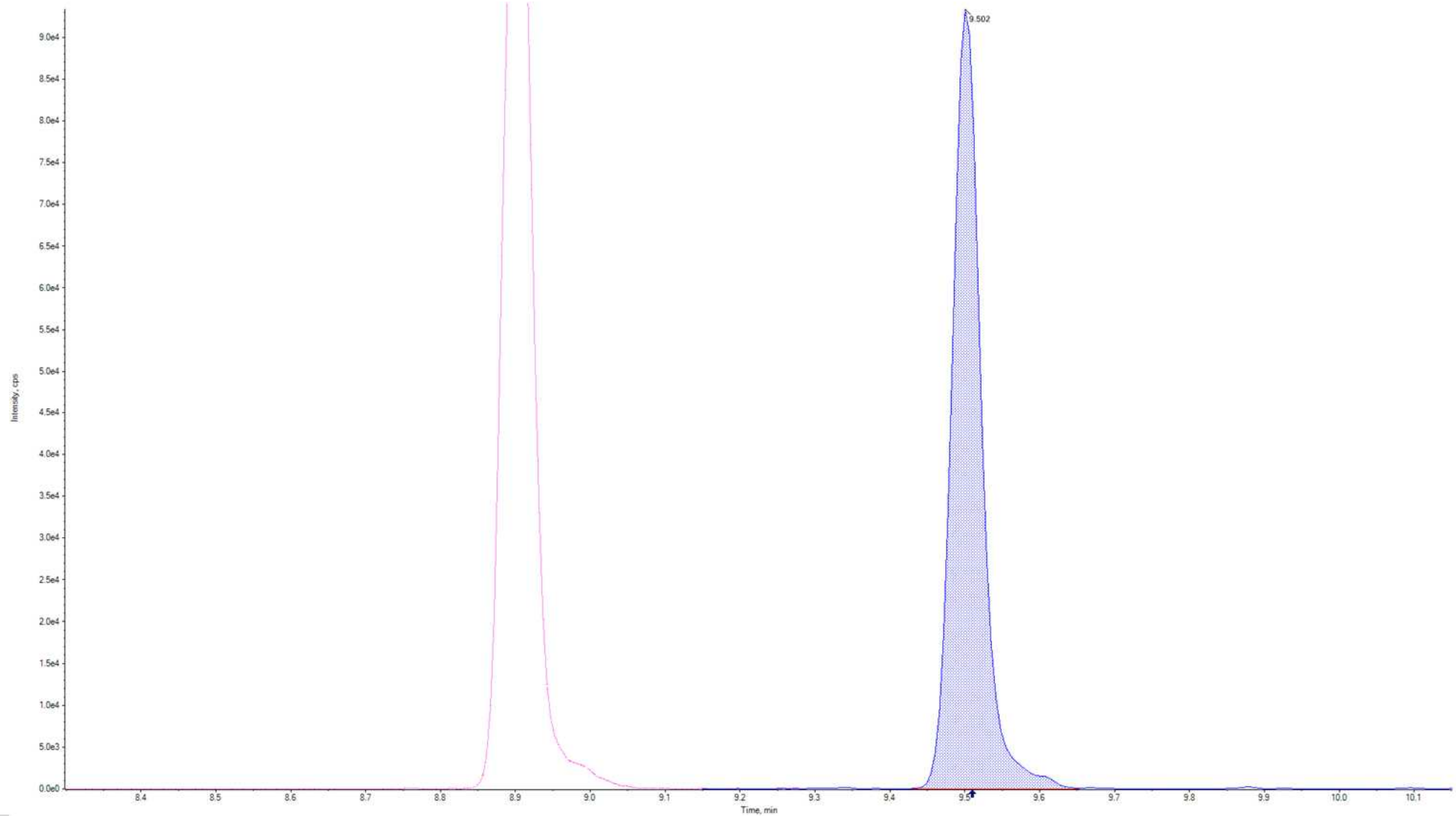
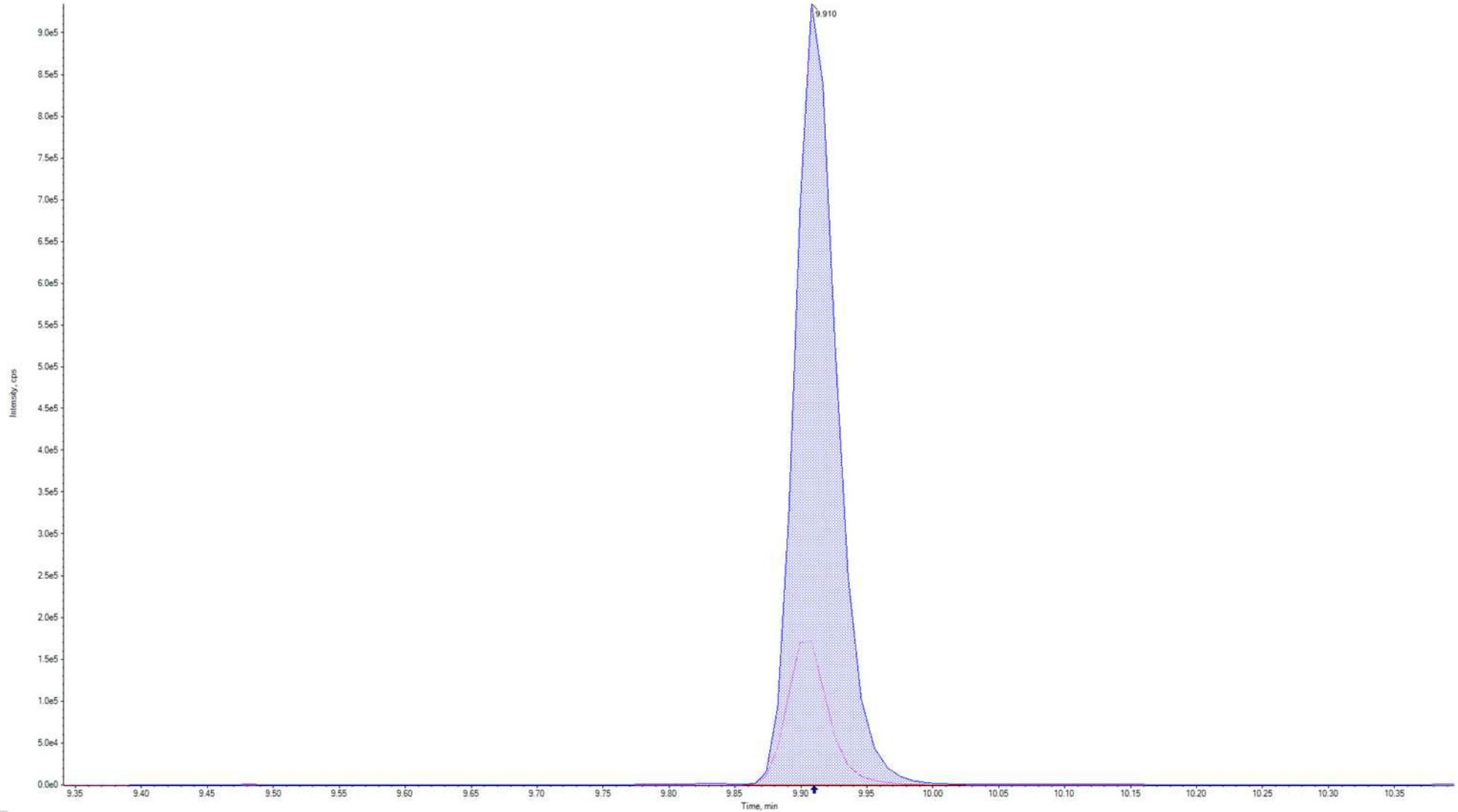
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-5 S/N:212915.8 Points Across peak:41



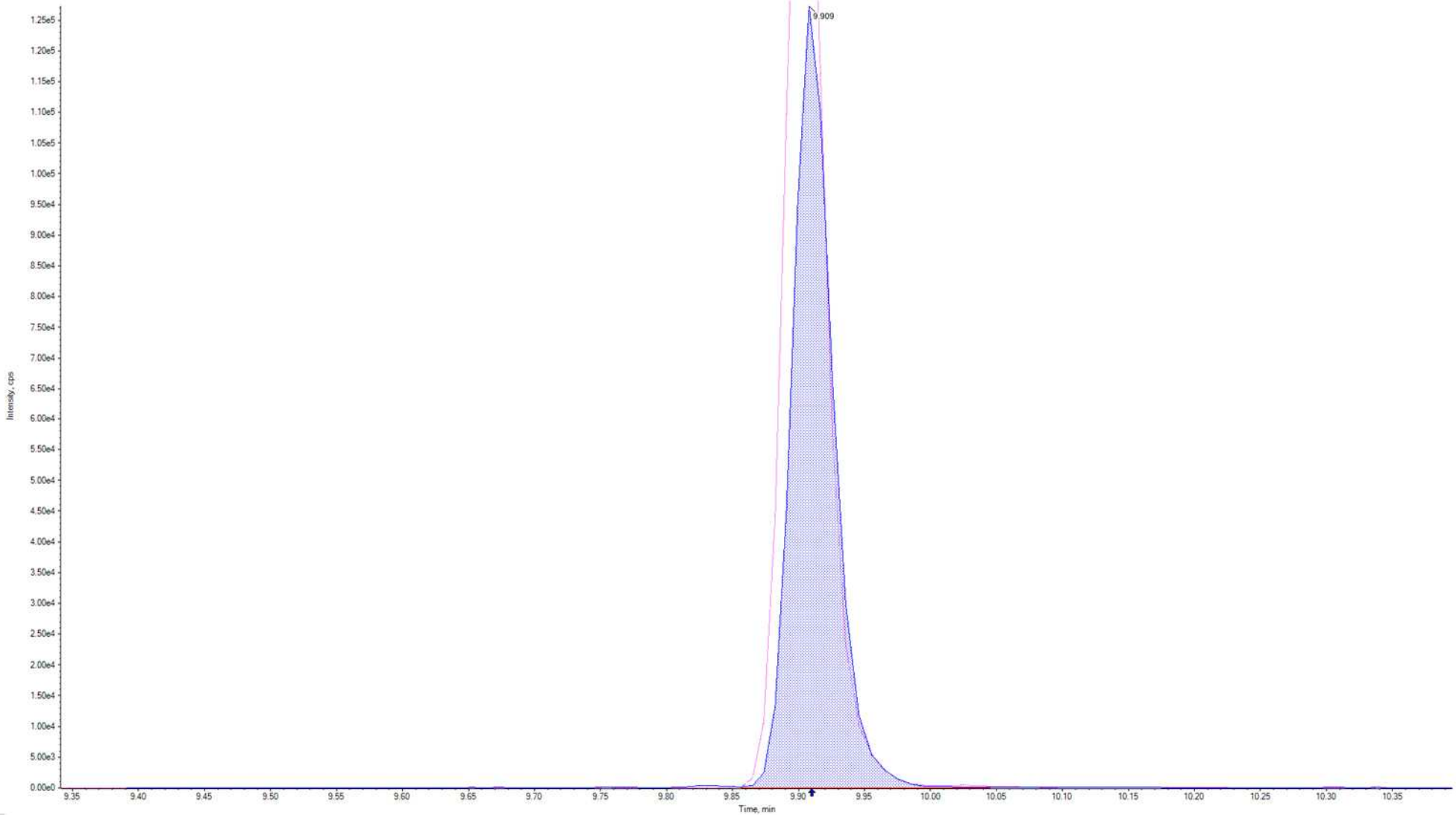
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-5 S/N:2545.1 Points Across peak:19



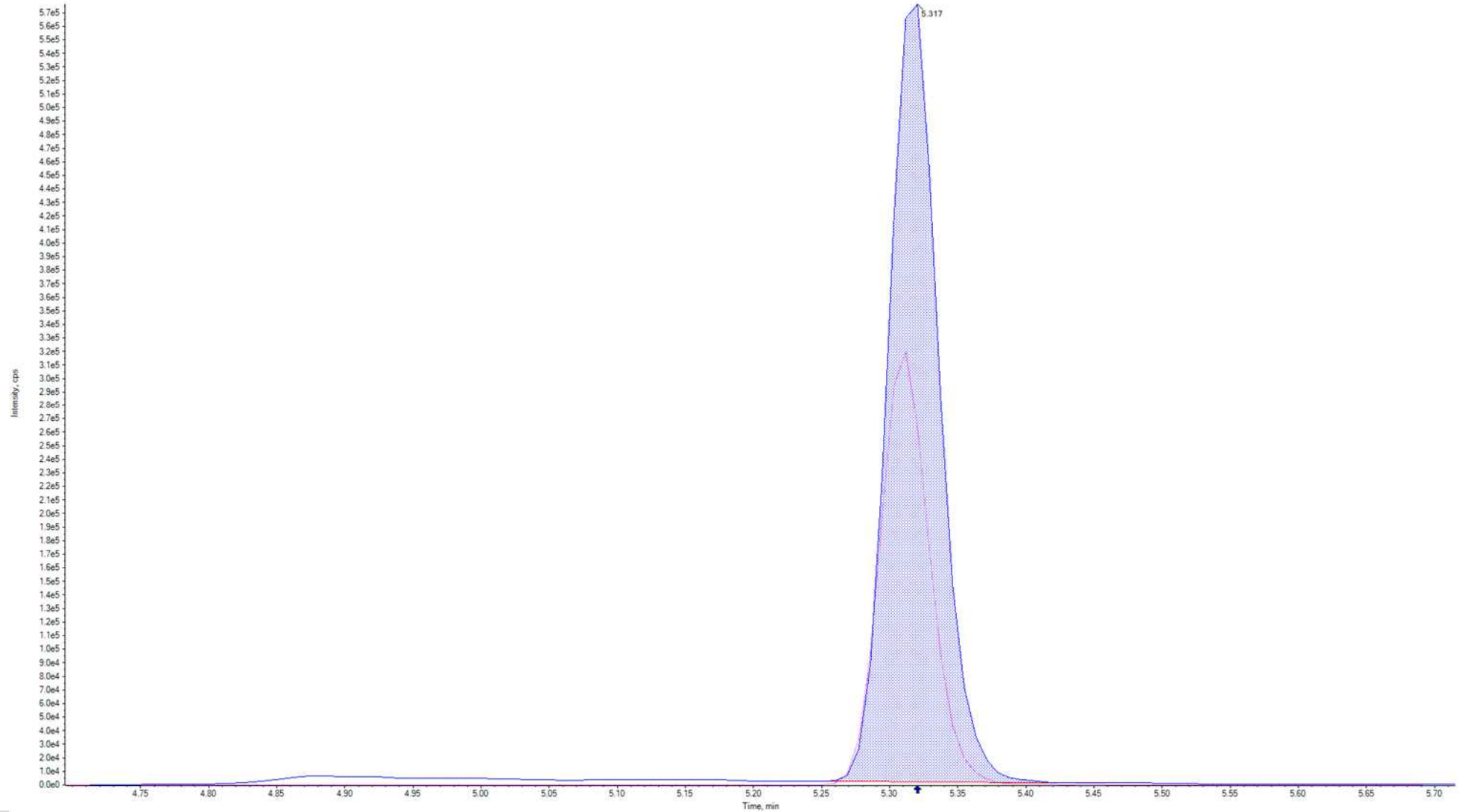
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-5 S/N:1958.4 Points Across peak:21



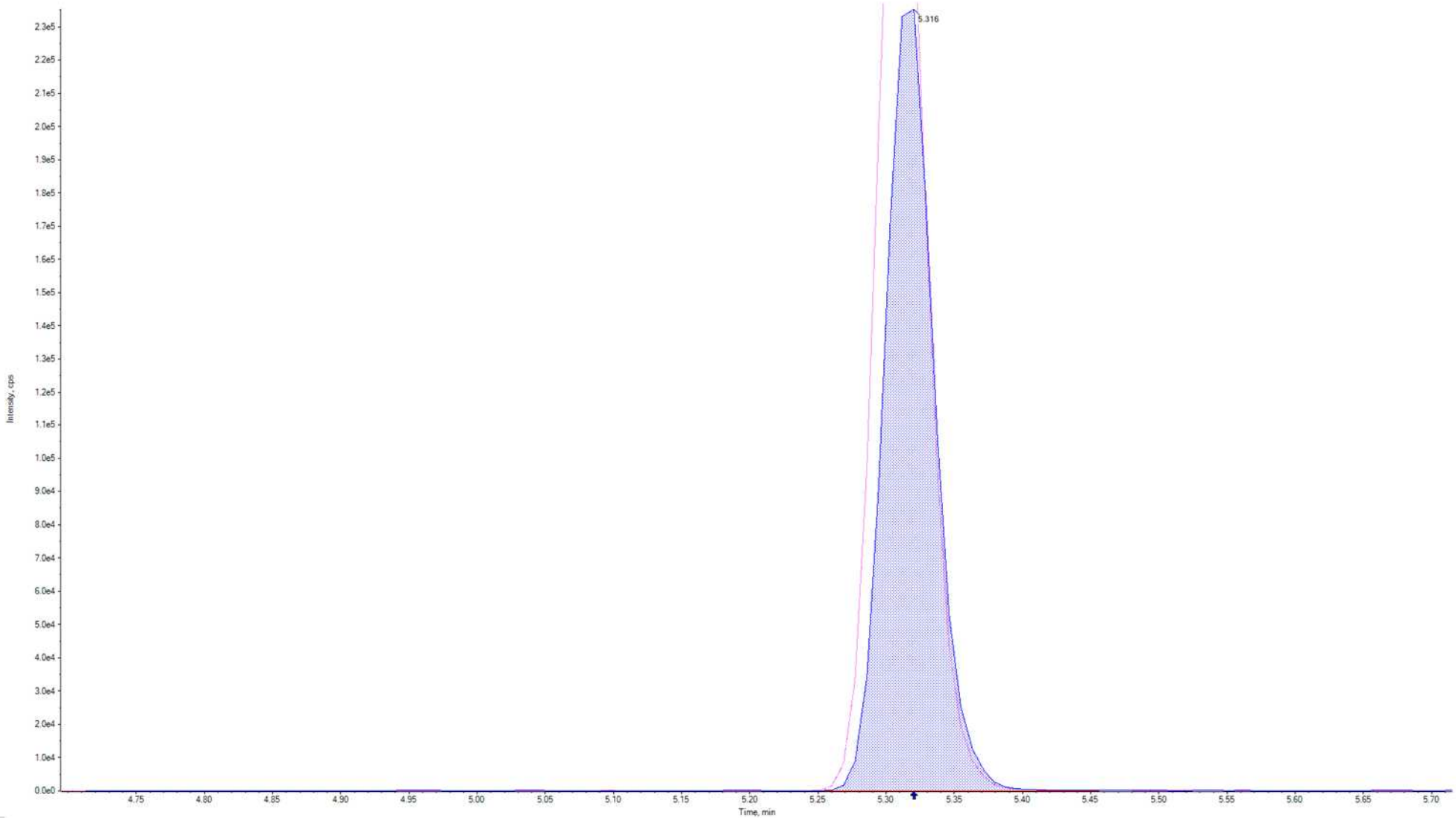
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-5 S/N:102.9 Points Across peak:22



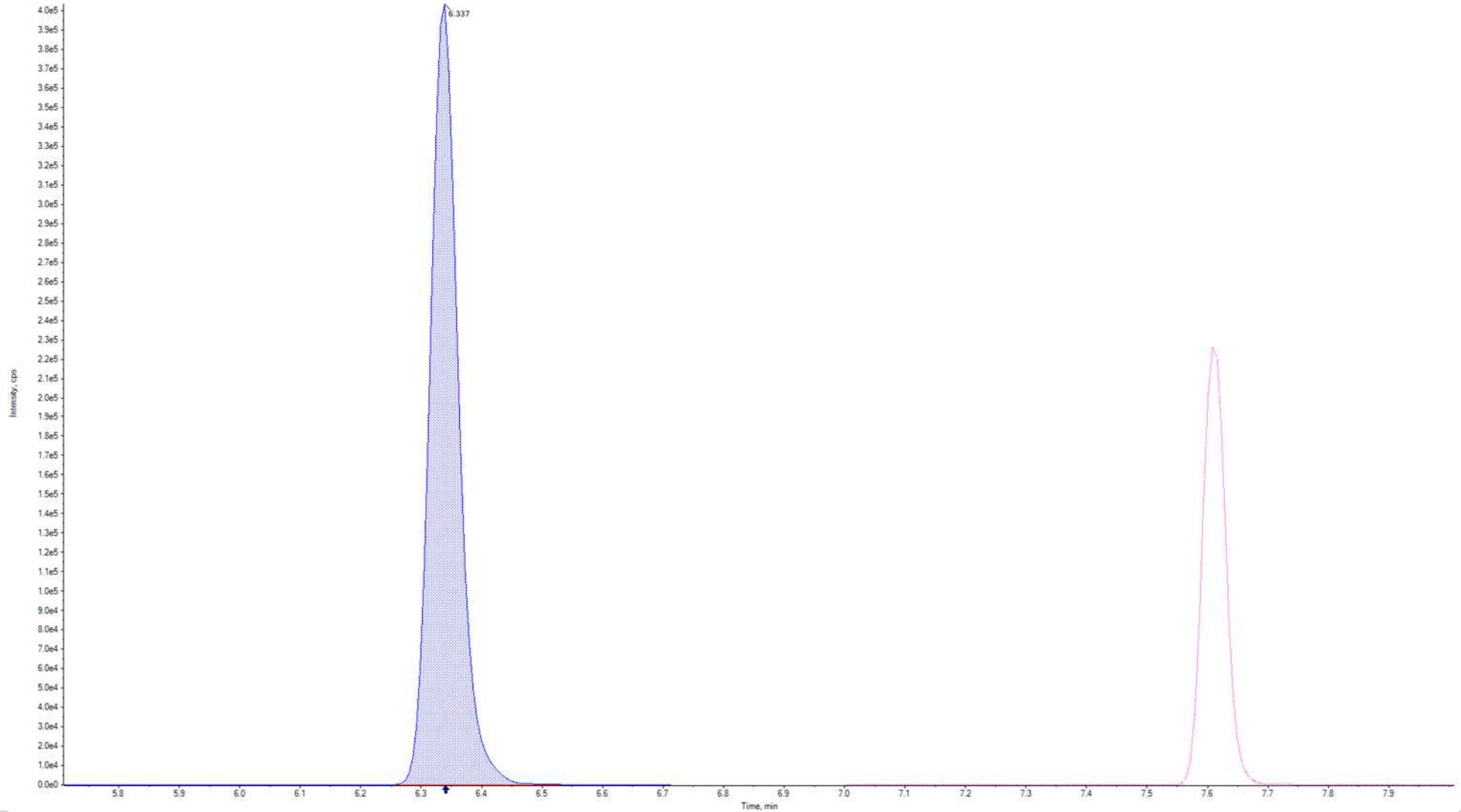
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-5 S/N:4632.1 Points Across peak:26



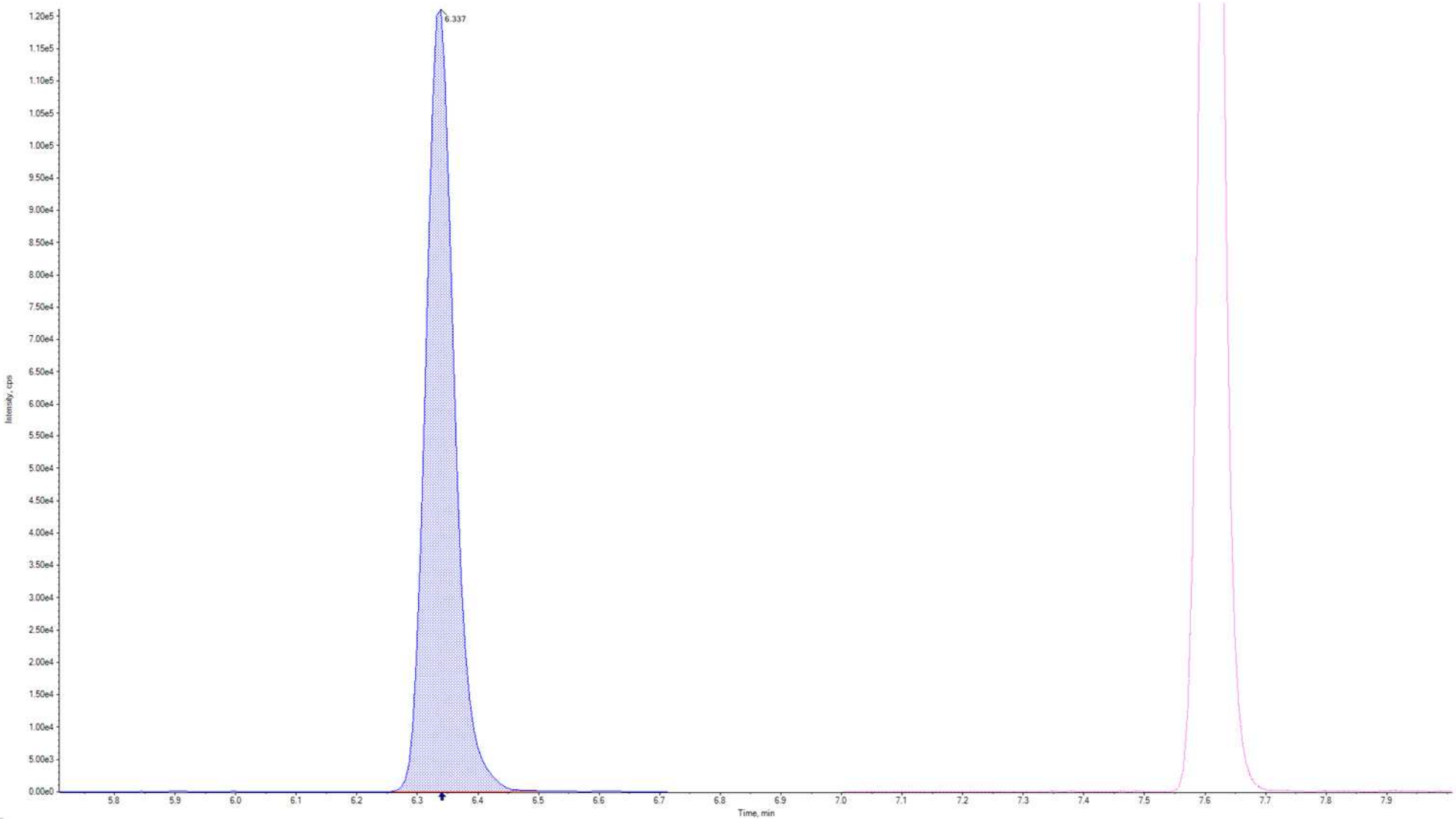
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-5 S/N:8413.7 Points Across peak:48



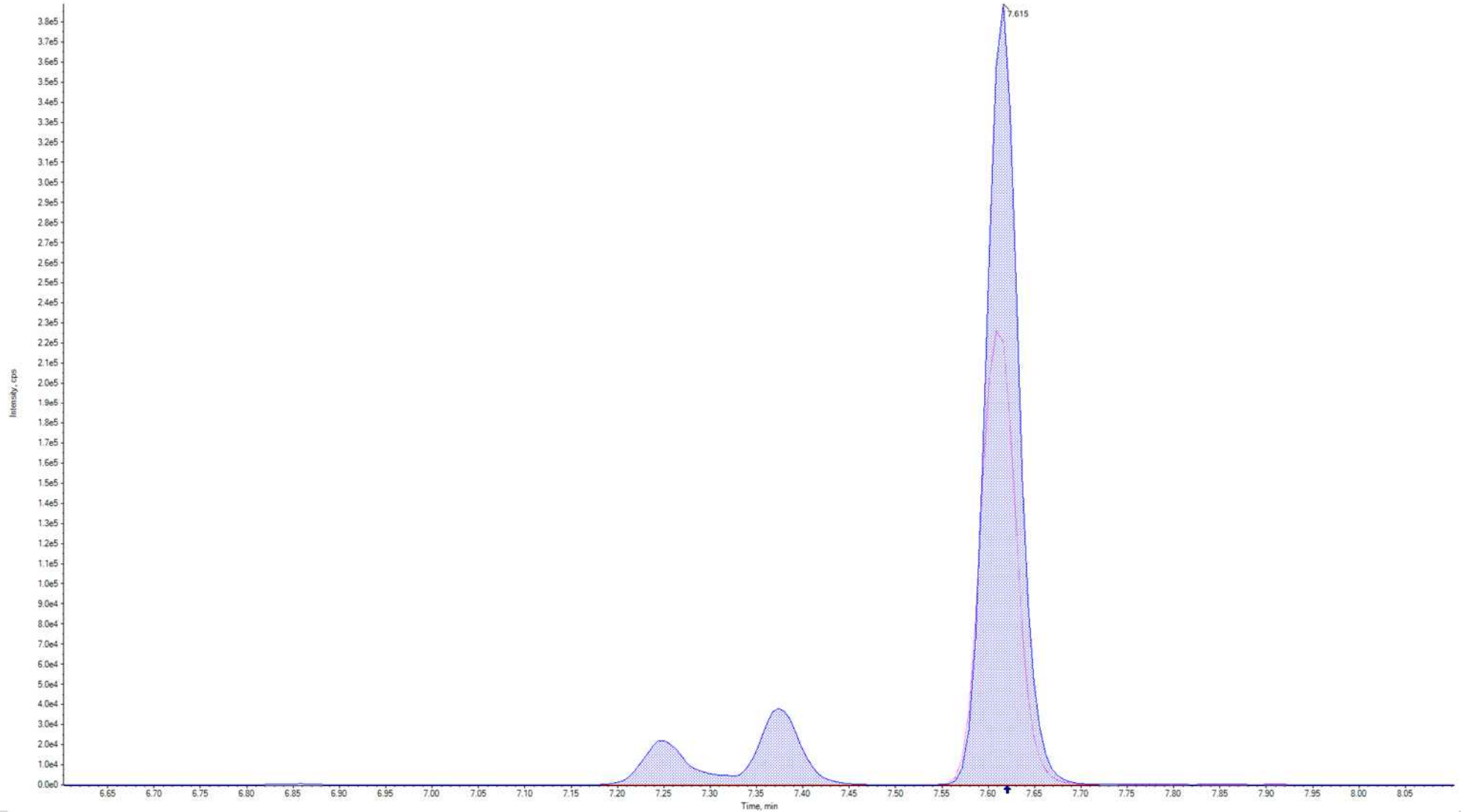
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-5 S/N:37340.2 Points Across peak:40



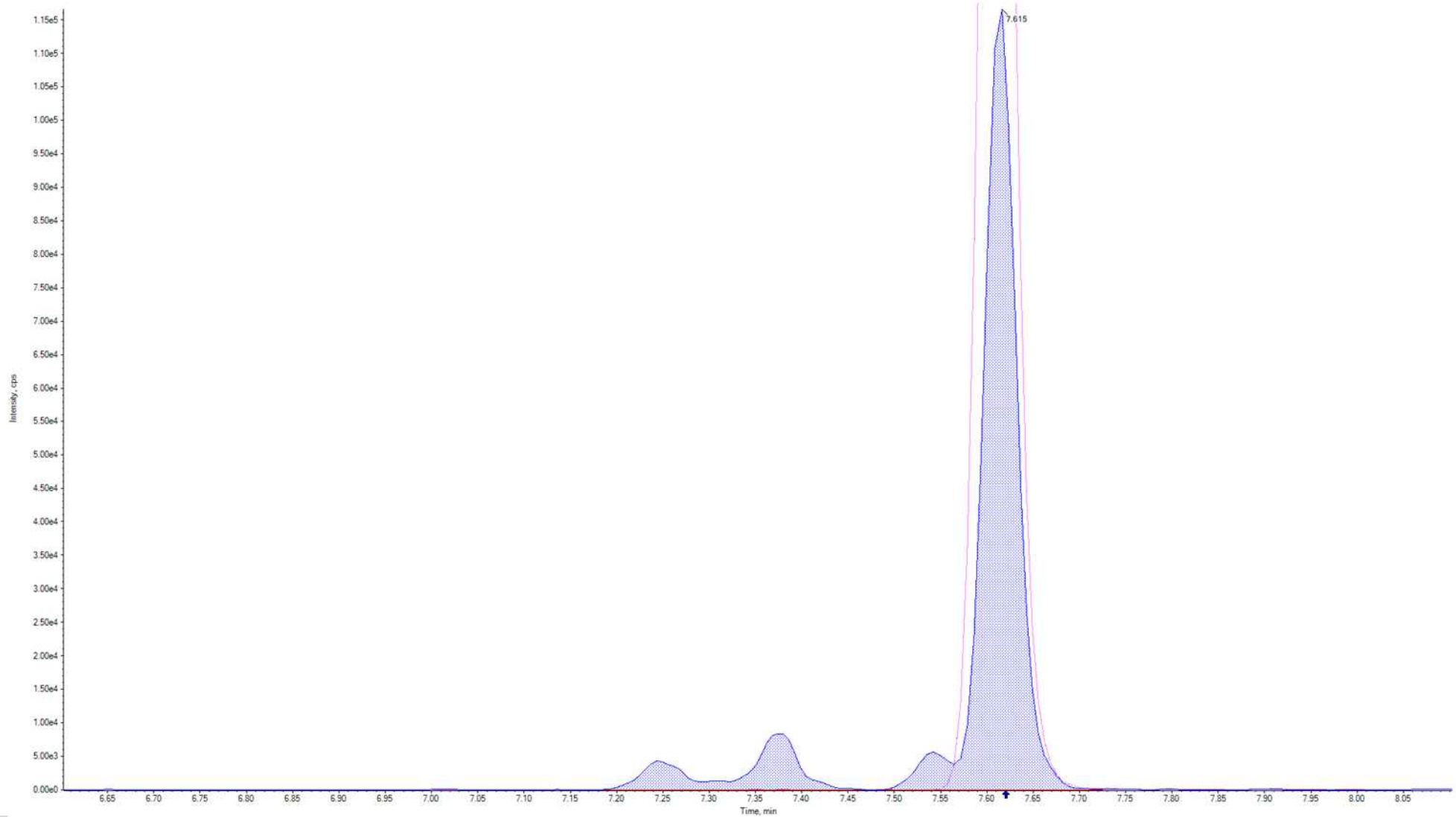
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-5 S/N:42905.0 Points Across peak:89



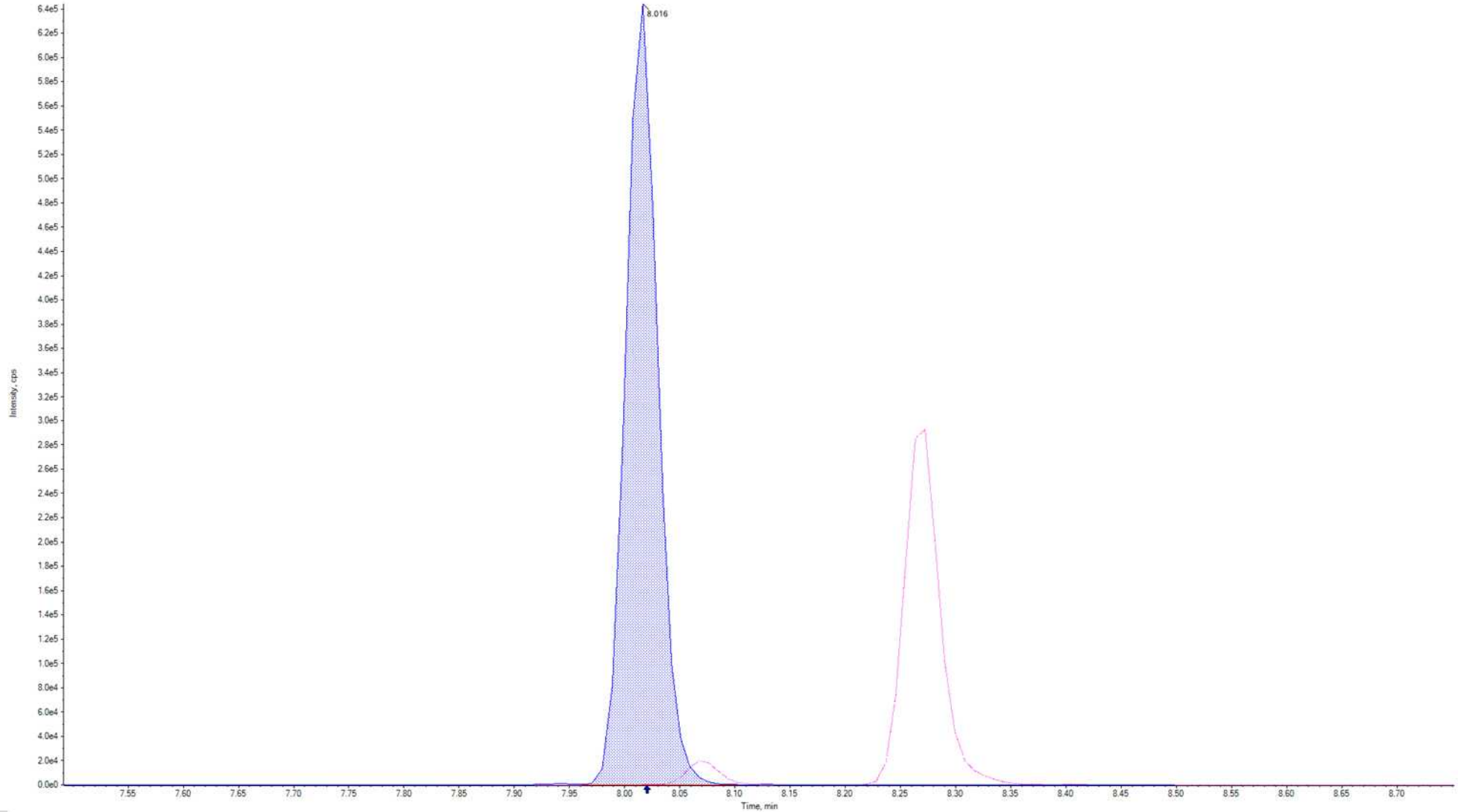
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-5 S/N:1823275.2 Points Across peak:89



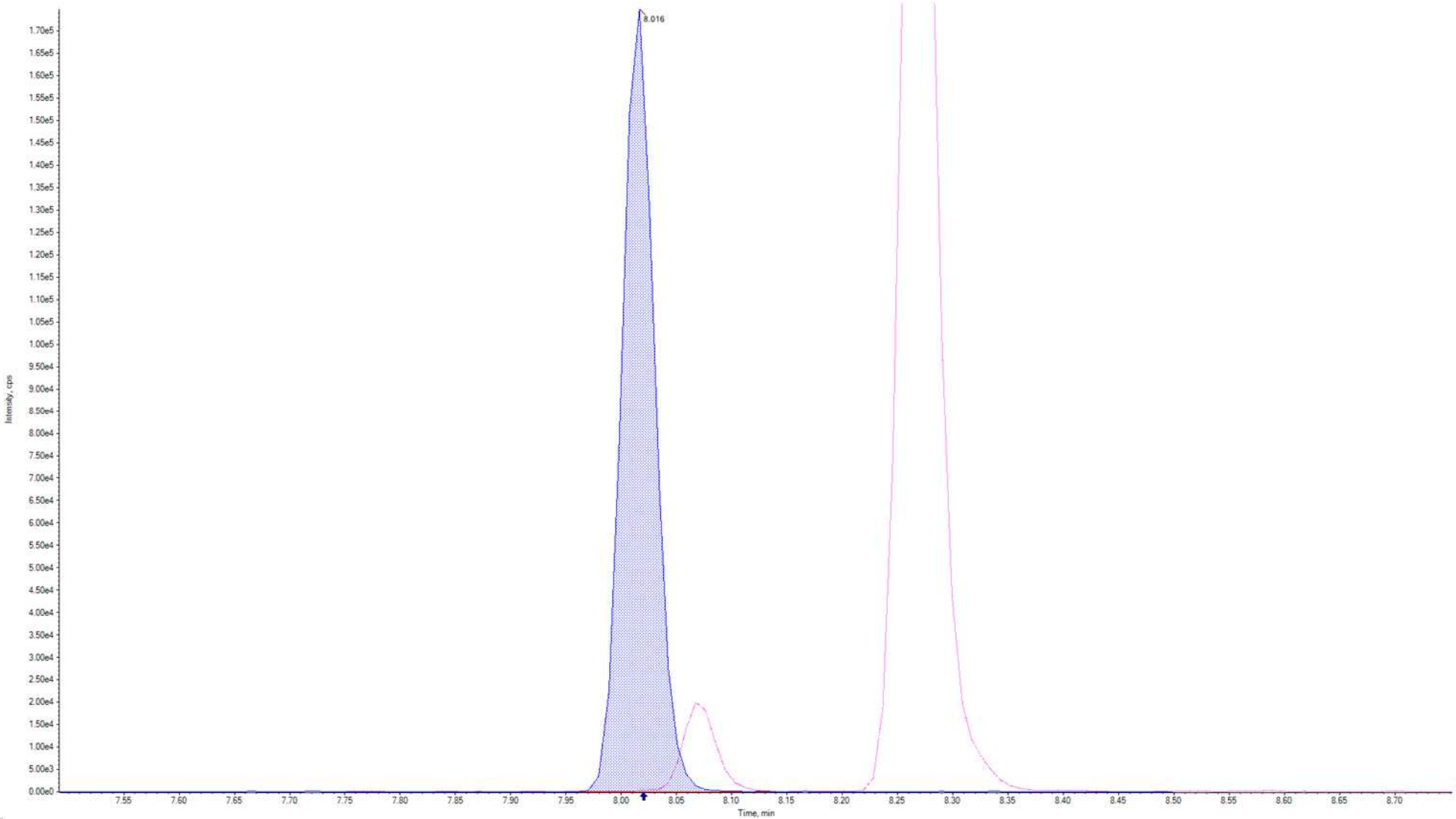
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-5 S/N:23379142.3 Points Across peak:18



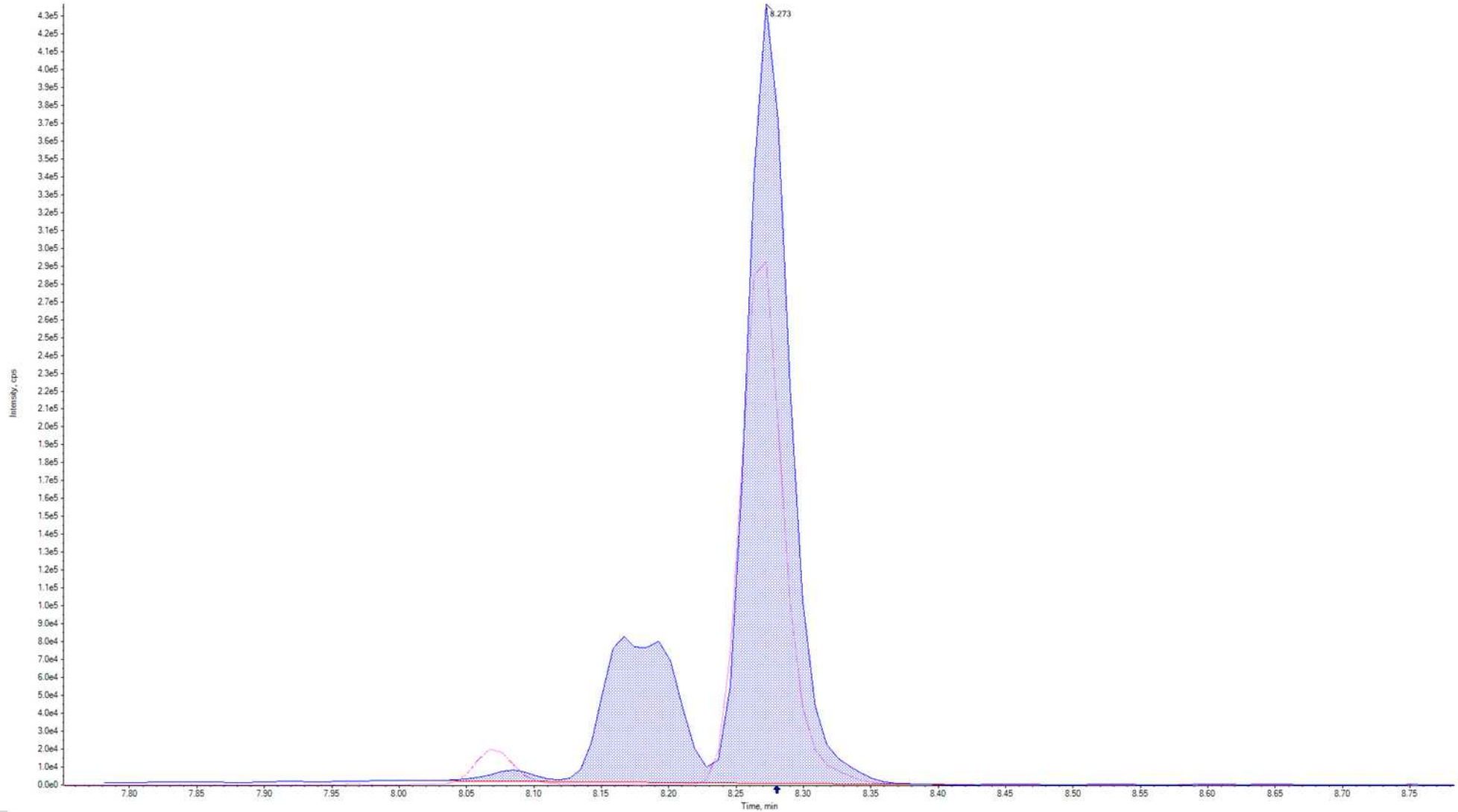
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-5 S/N:2611.6 Points Across peak:27



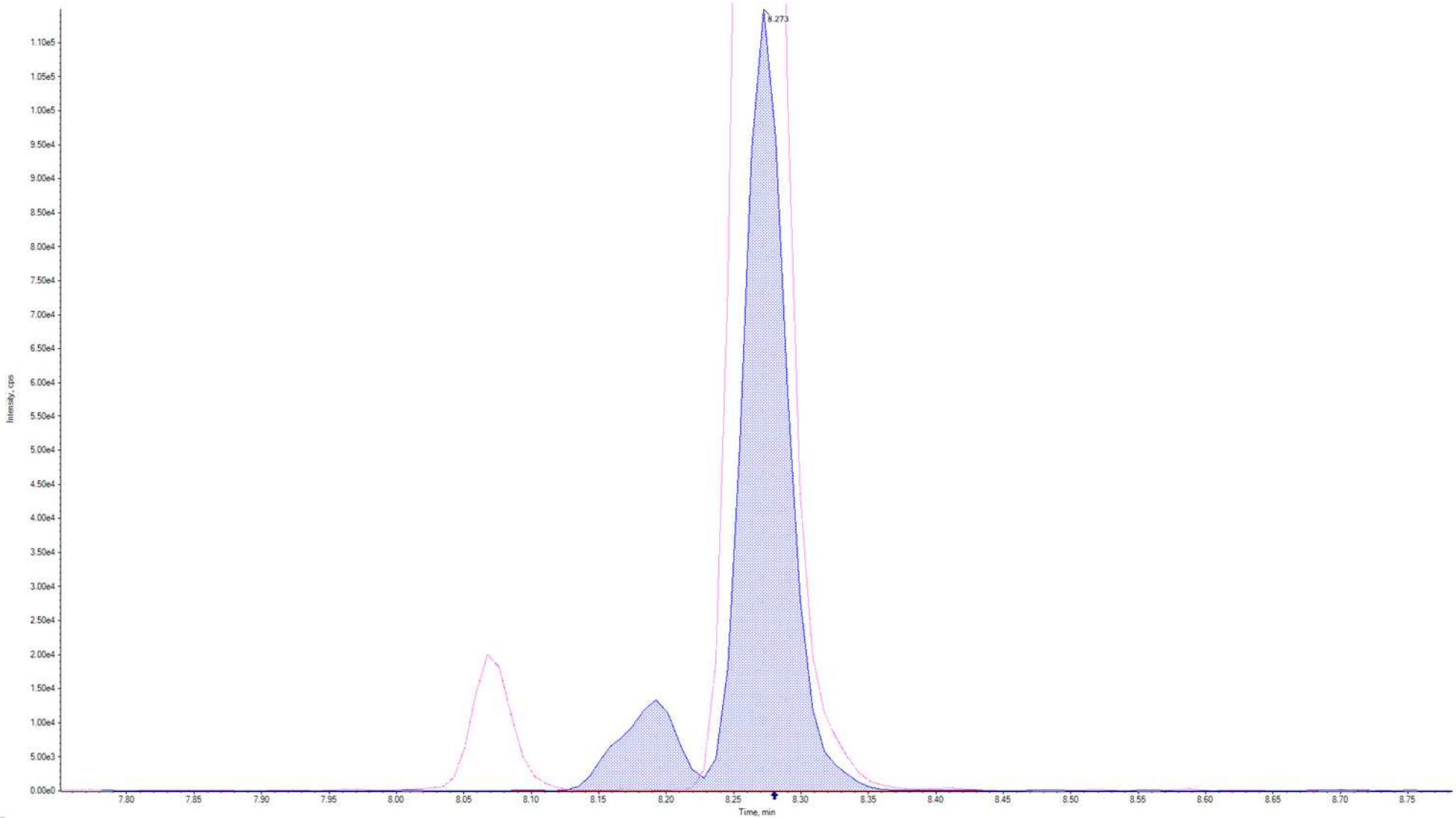
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-5 S/N:1962.9 Points Across peak:47



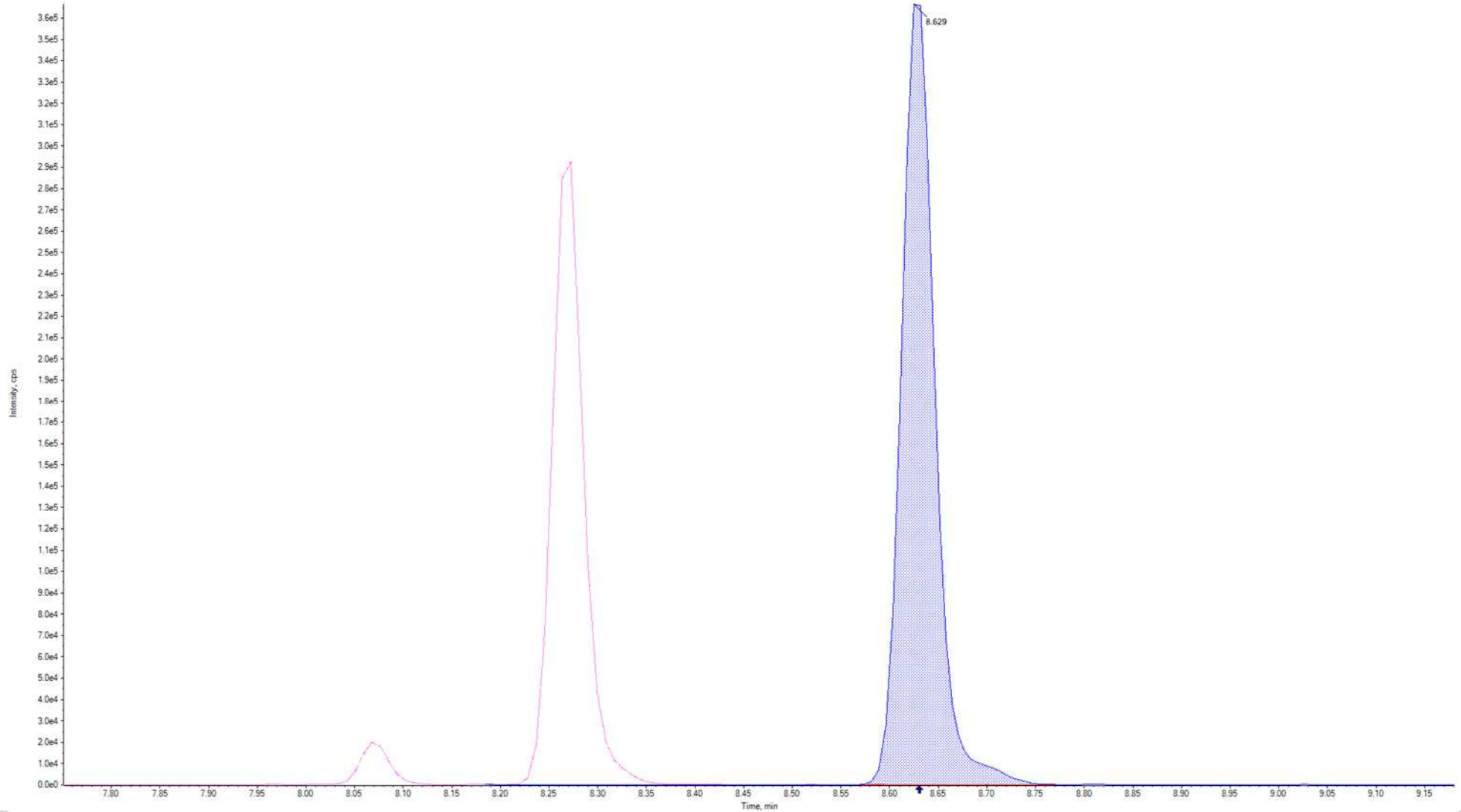
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-5 S/N:1490.1 Points Across peak:46



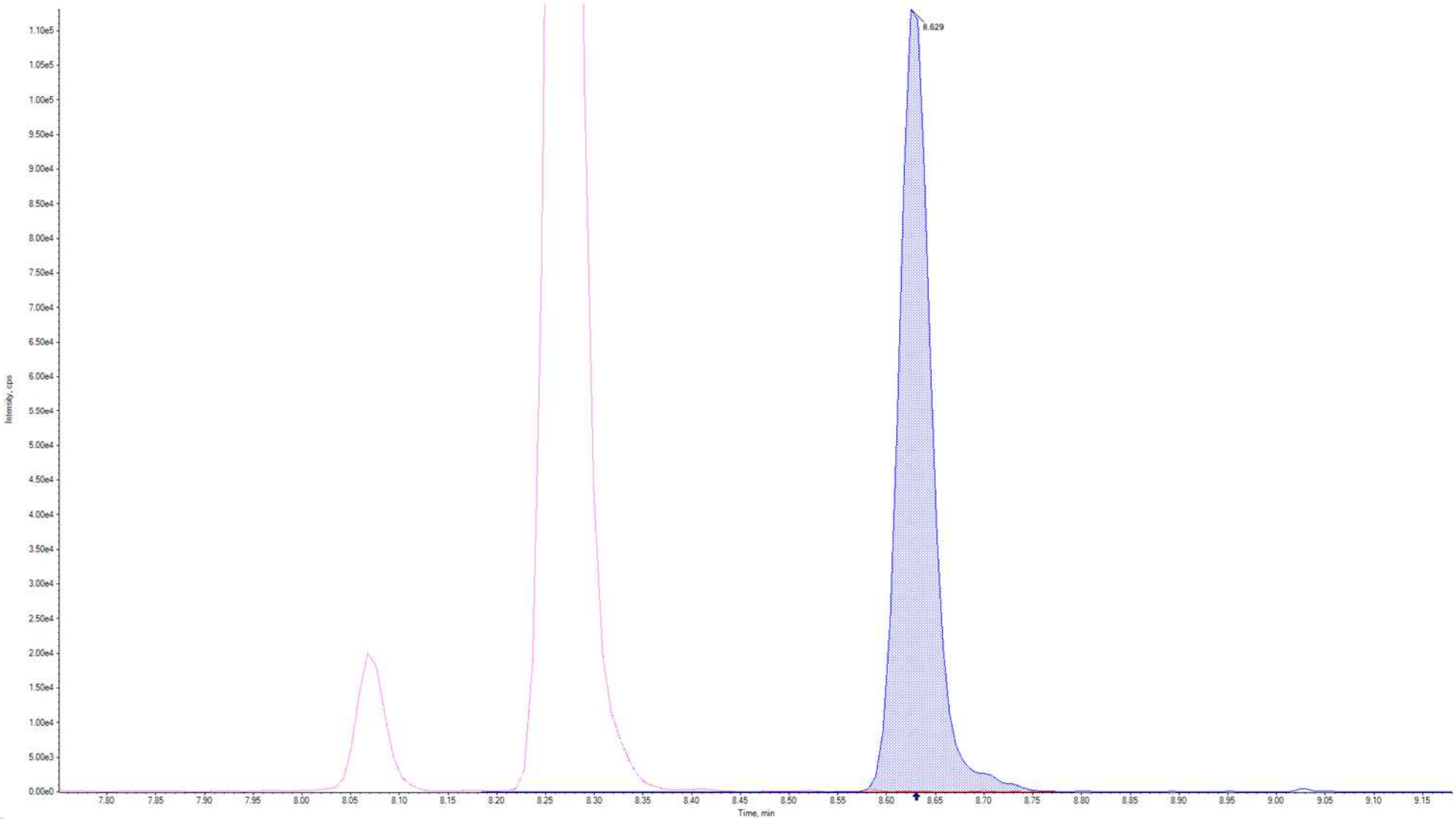
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-5 S/N:8483.9 Points Across peak:36



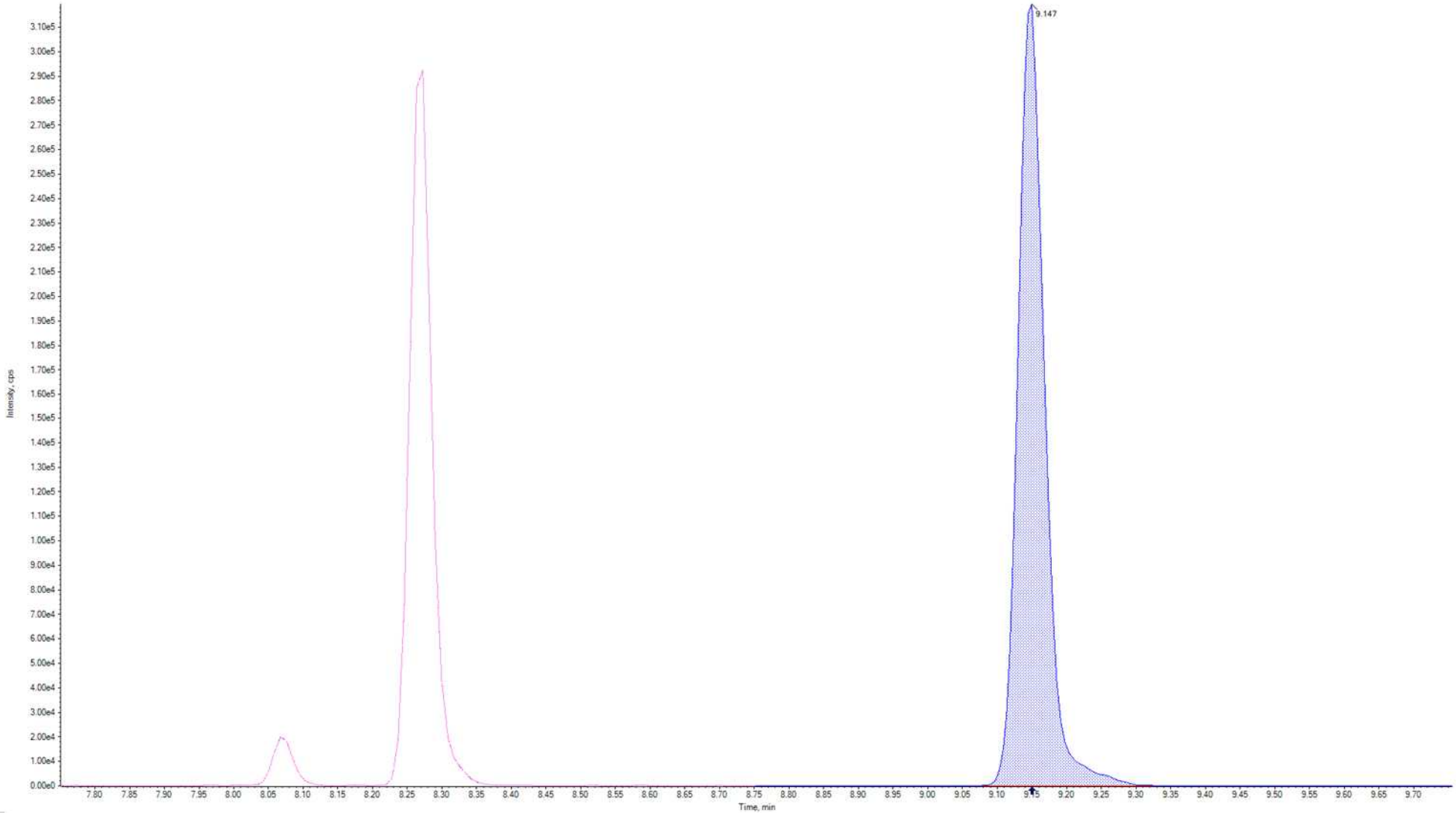
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-5 S/N:16033997.2 Points Across peak:37



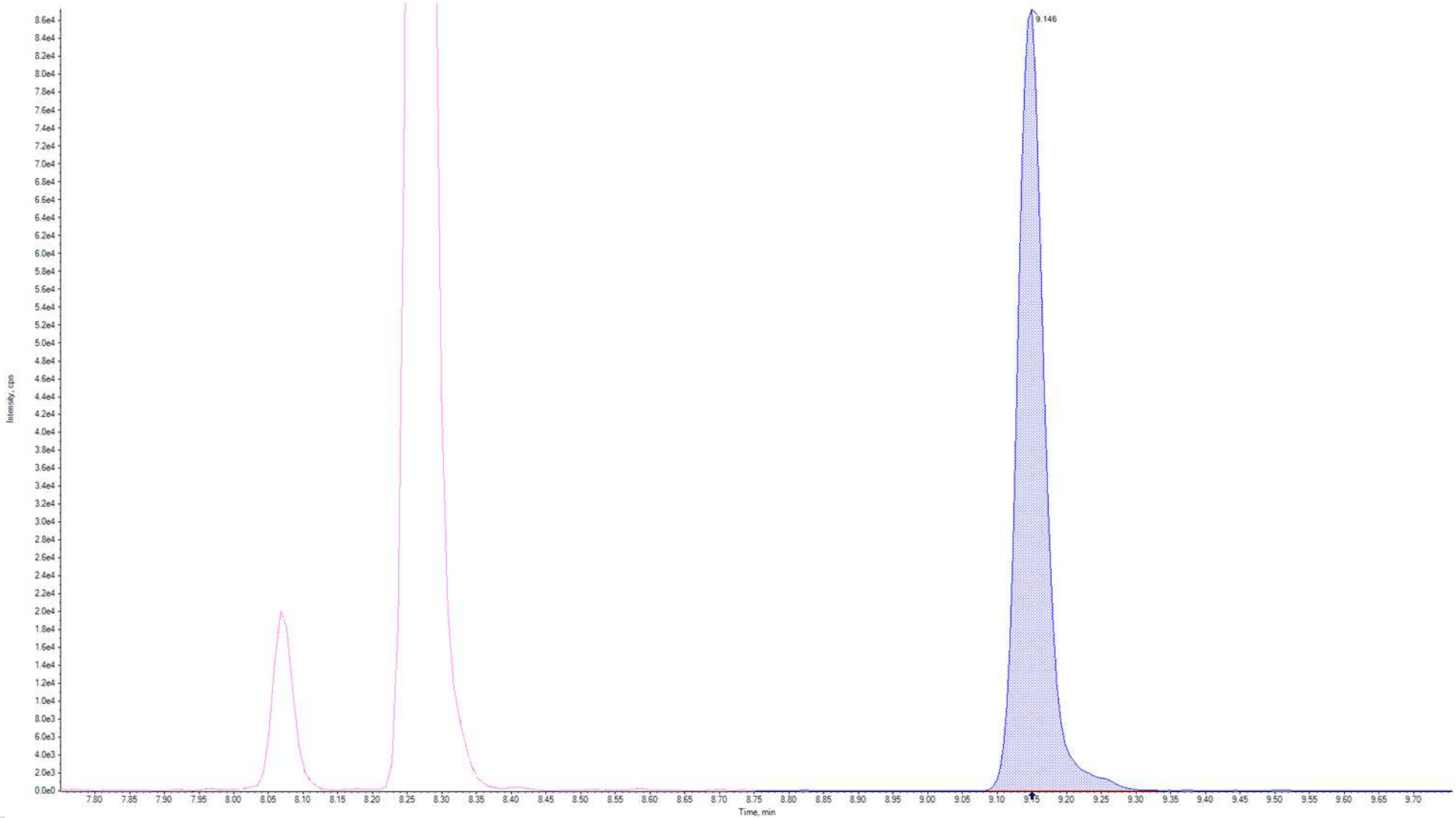
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-5 S/N:100447.4 Points Across peak:62



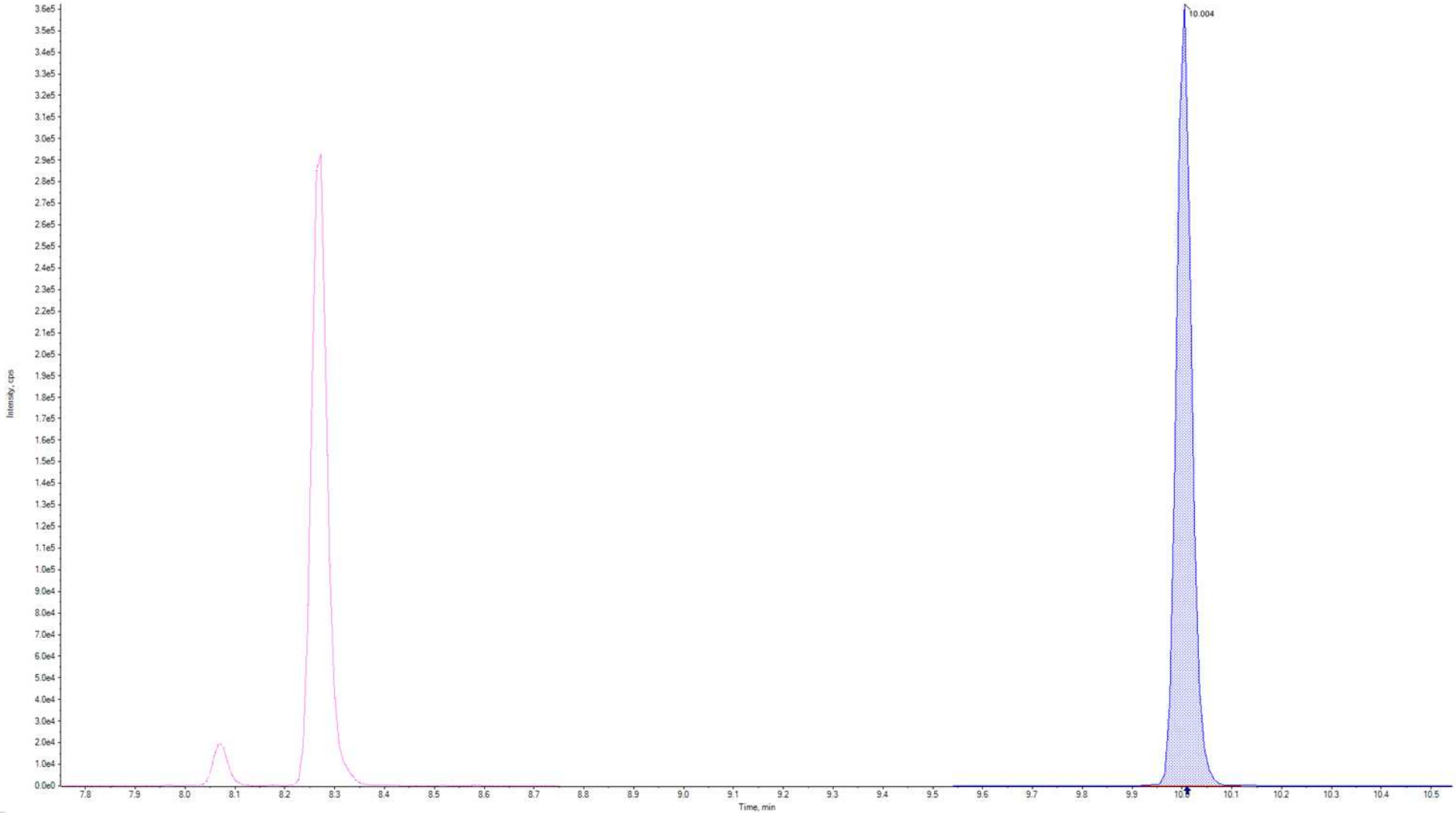
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-5 S/N:308858.1 Points Across peak:49



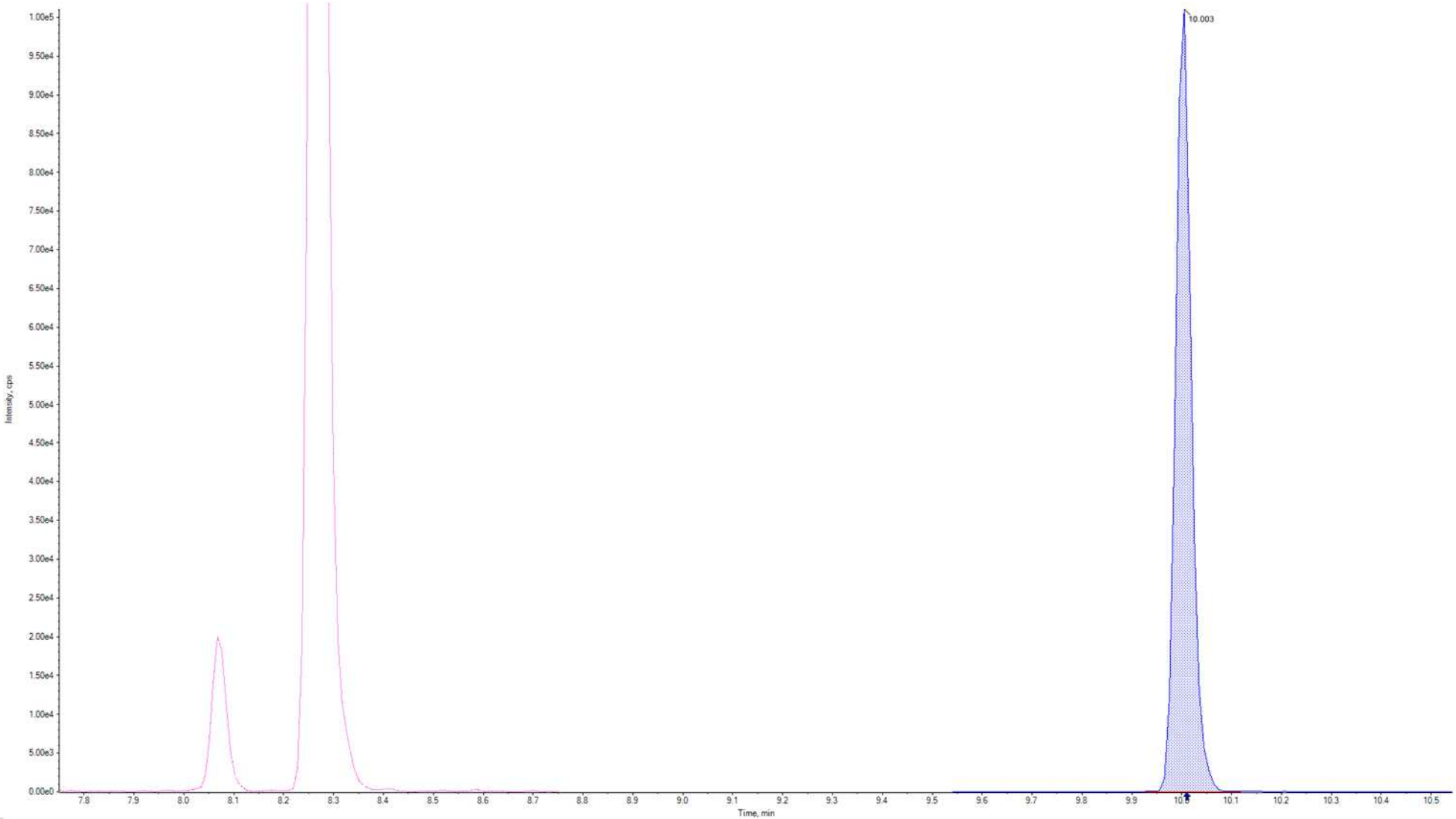
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-5 S/N:184217.7 Points Across peak:27



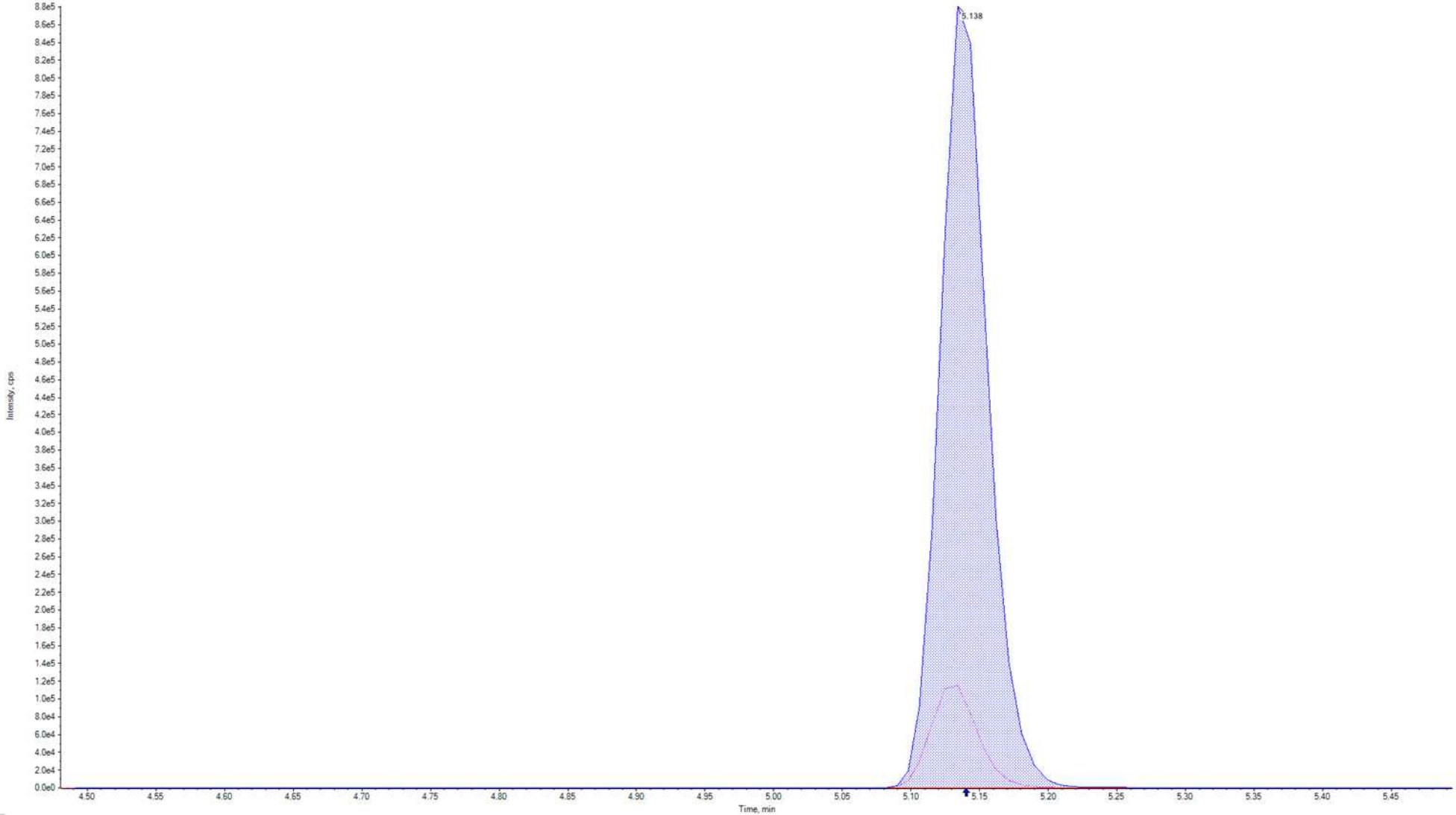
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-5 S/N:2620.7 Points Across peak:22



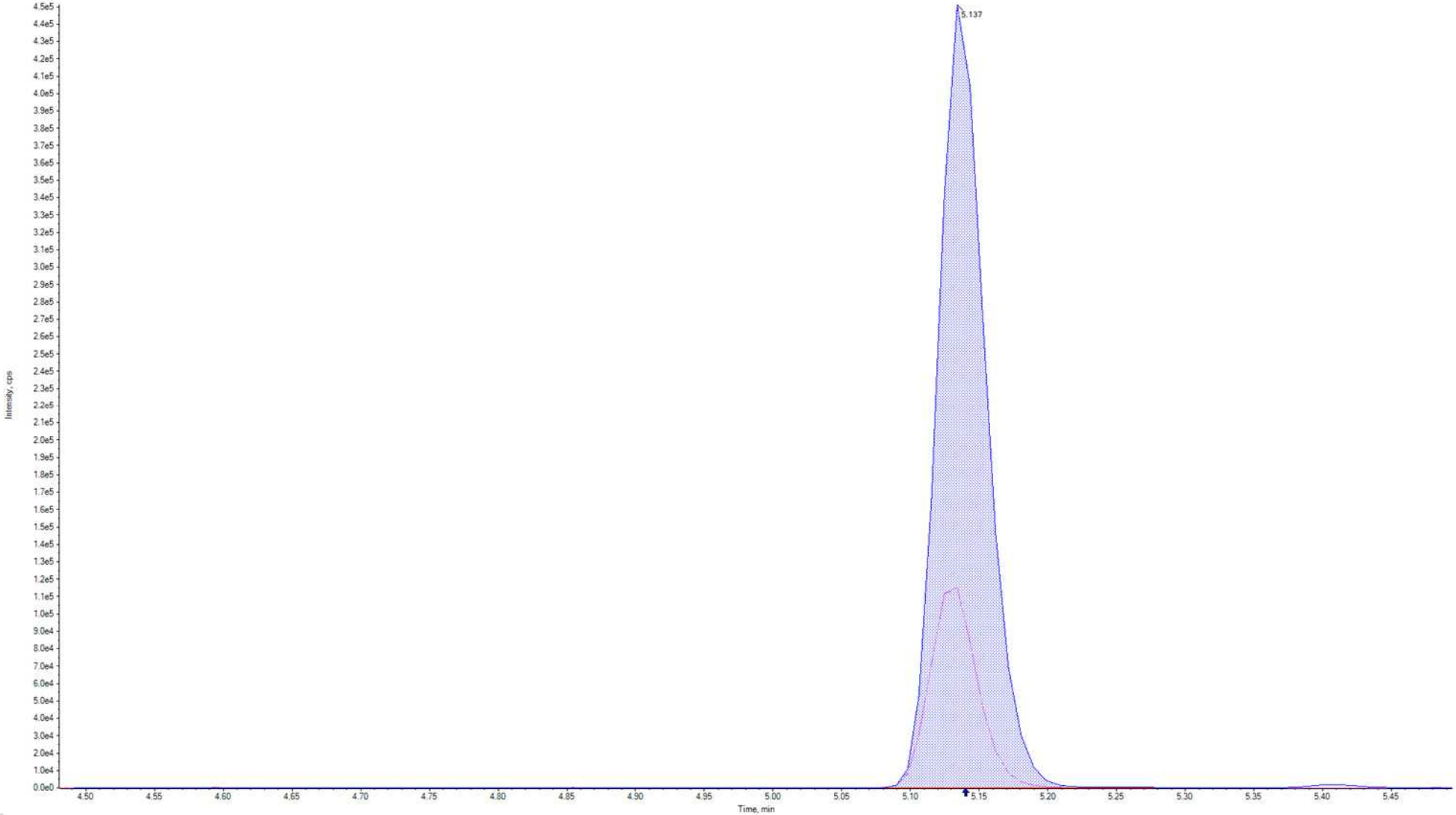
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-5 S/N:4757.6 Points Across peak:24



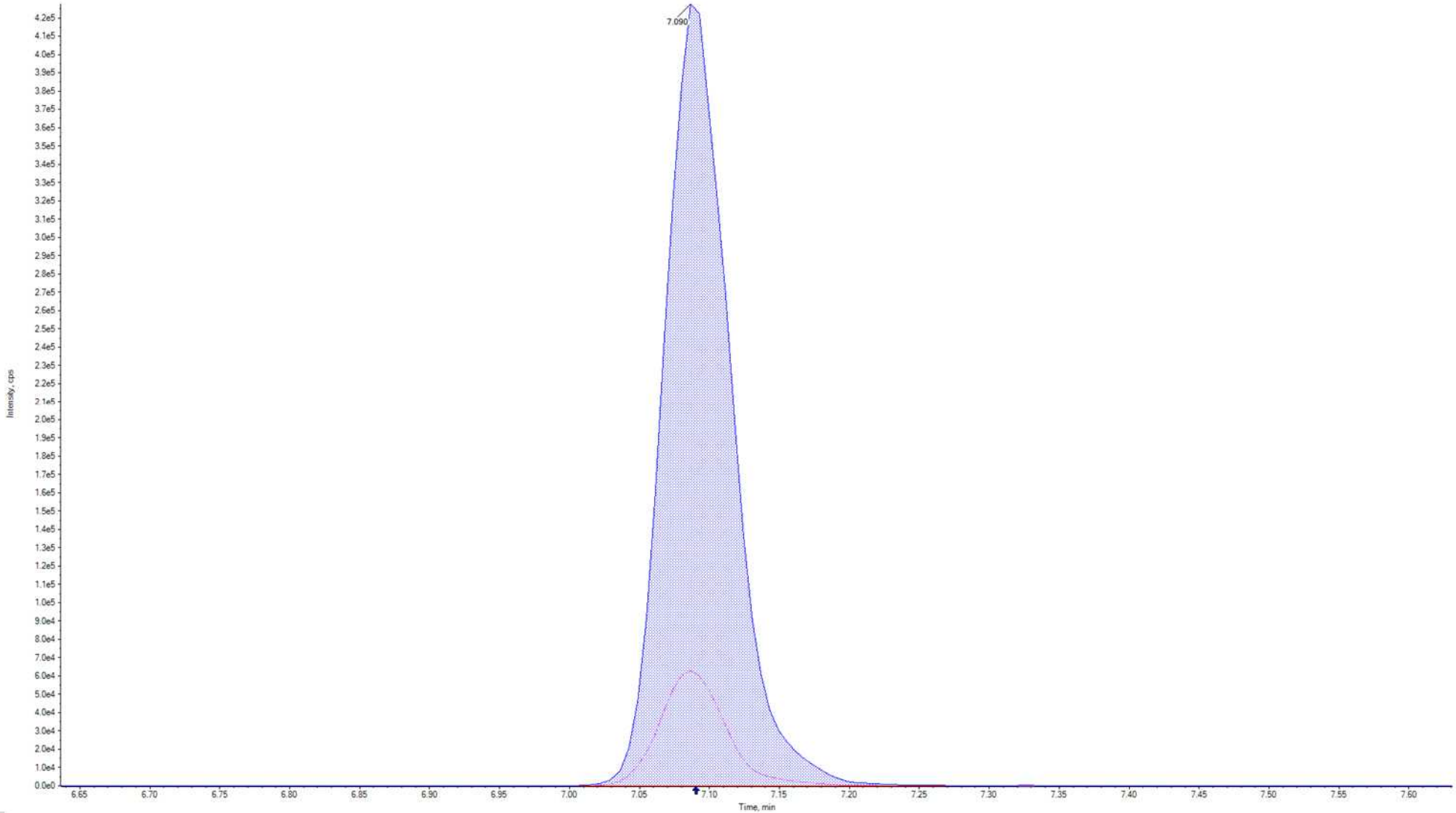
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-5 S/N:11366.6 Points Across peak:34



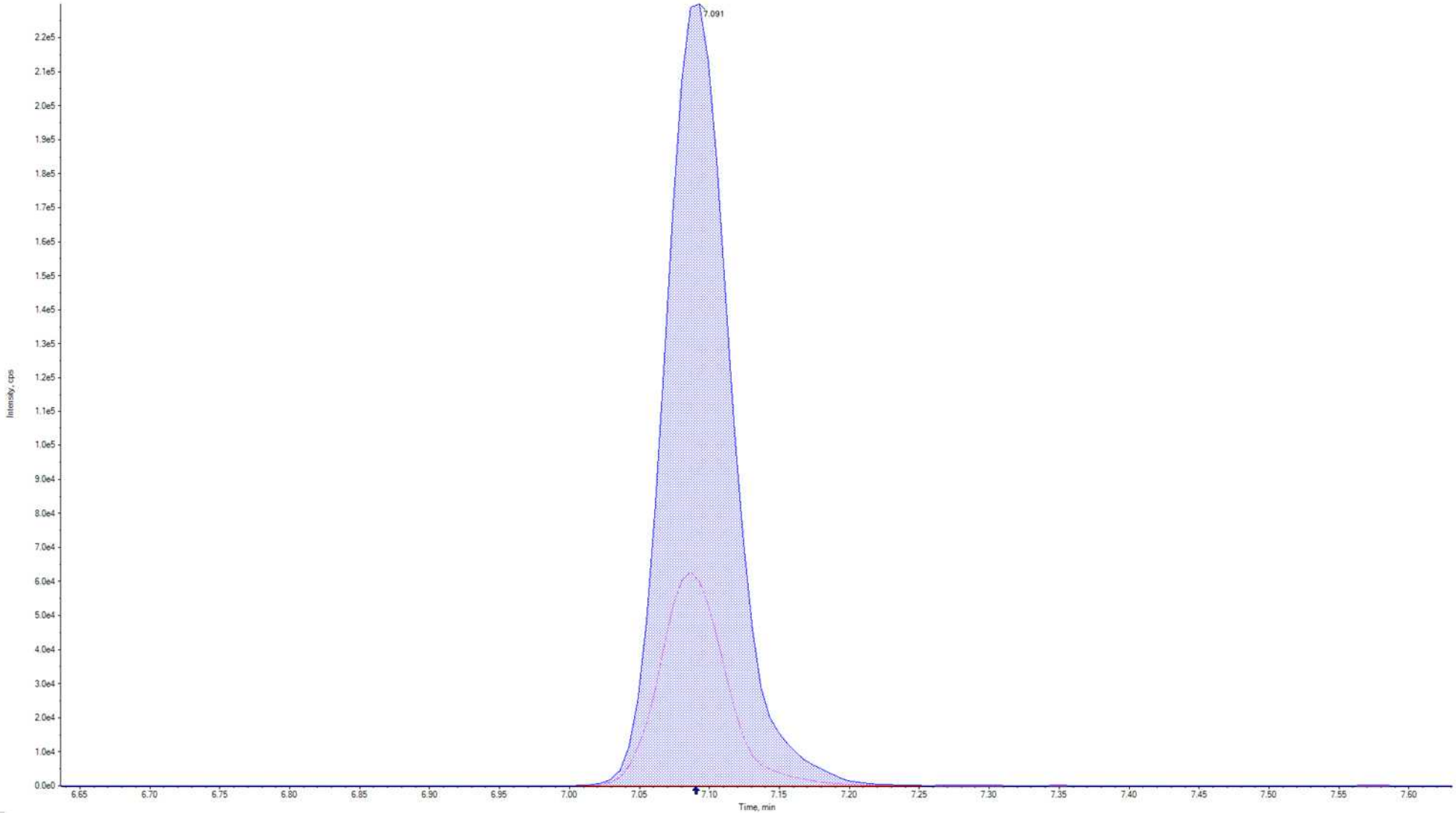
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-5 S/N:4100891.6 Points Across peak:49



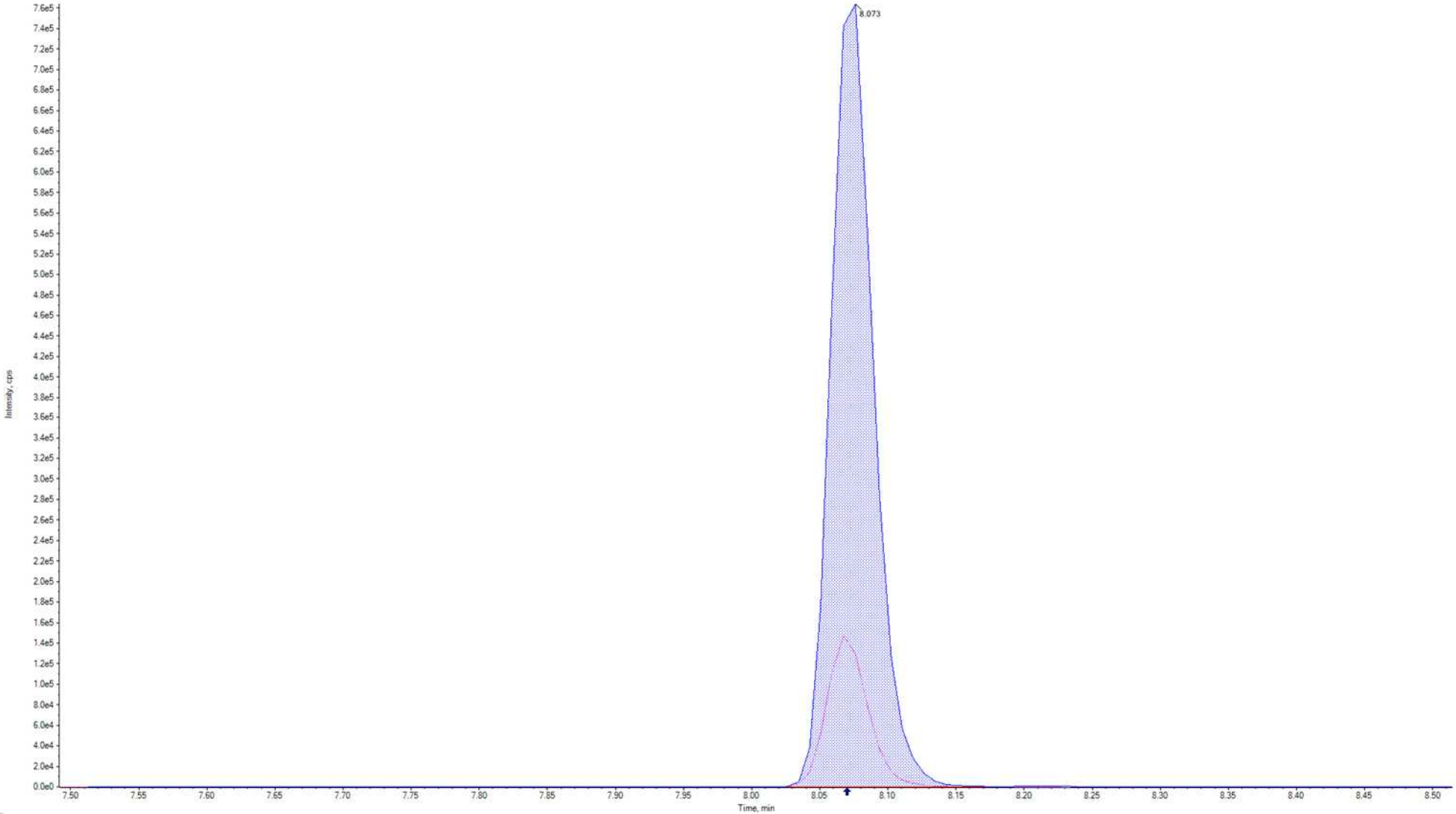
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-5 S/N:3317.3 Points Across peak:46



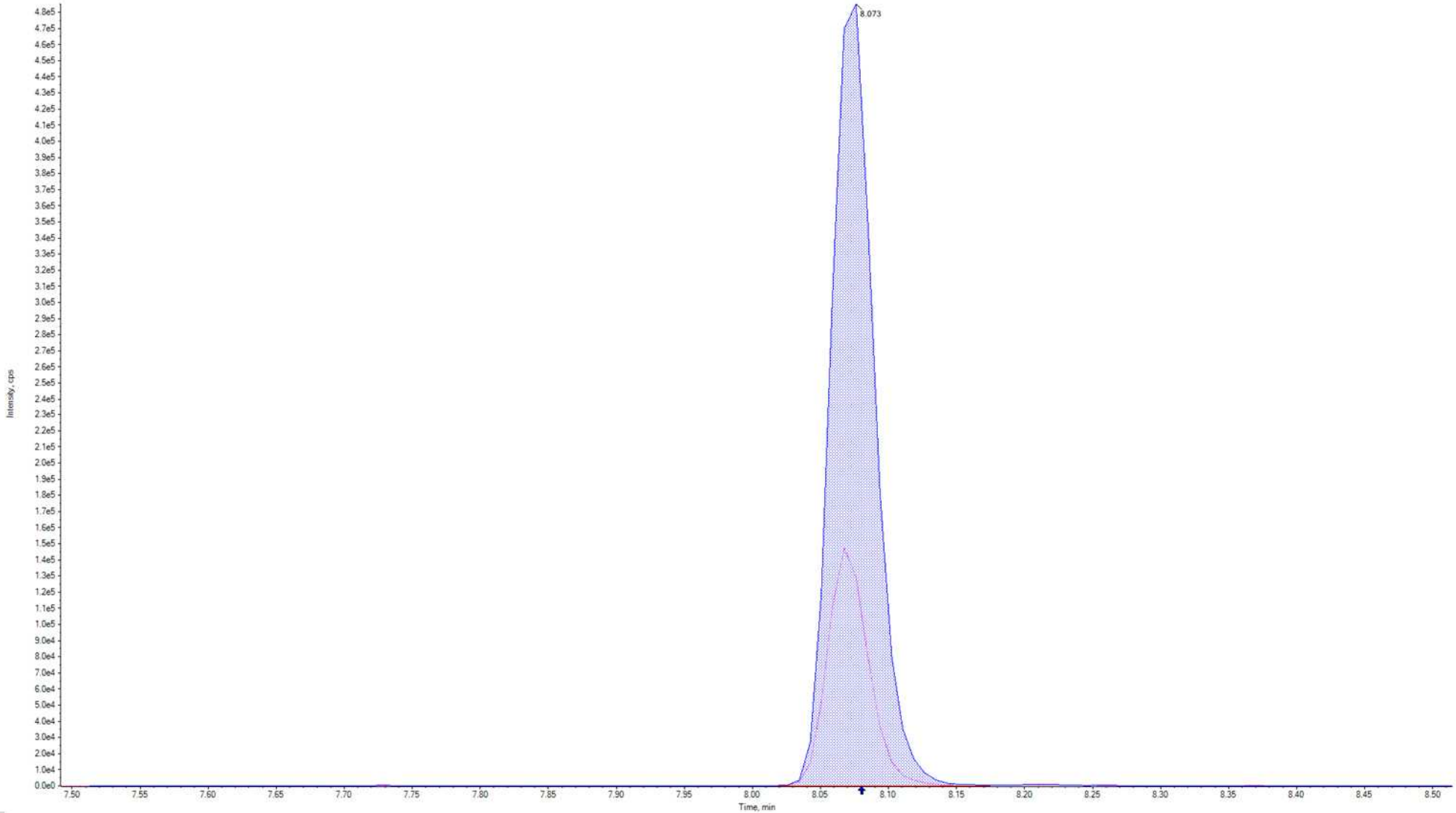
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-5 S/N:5550.3 Points Across peak:27



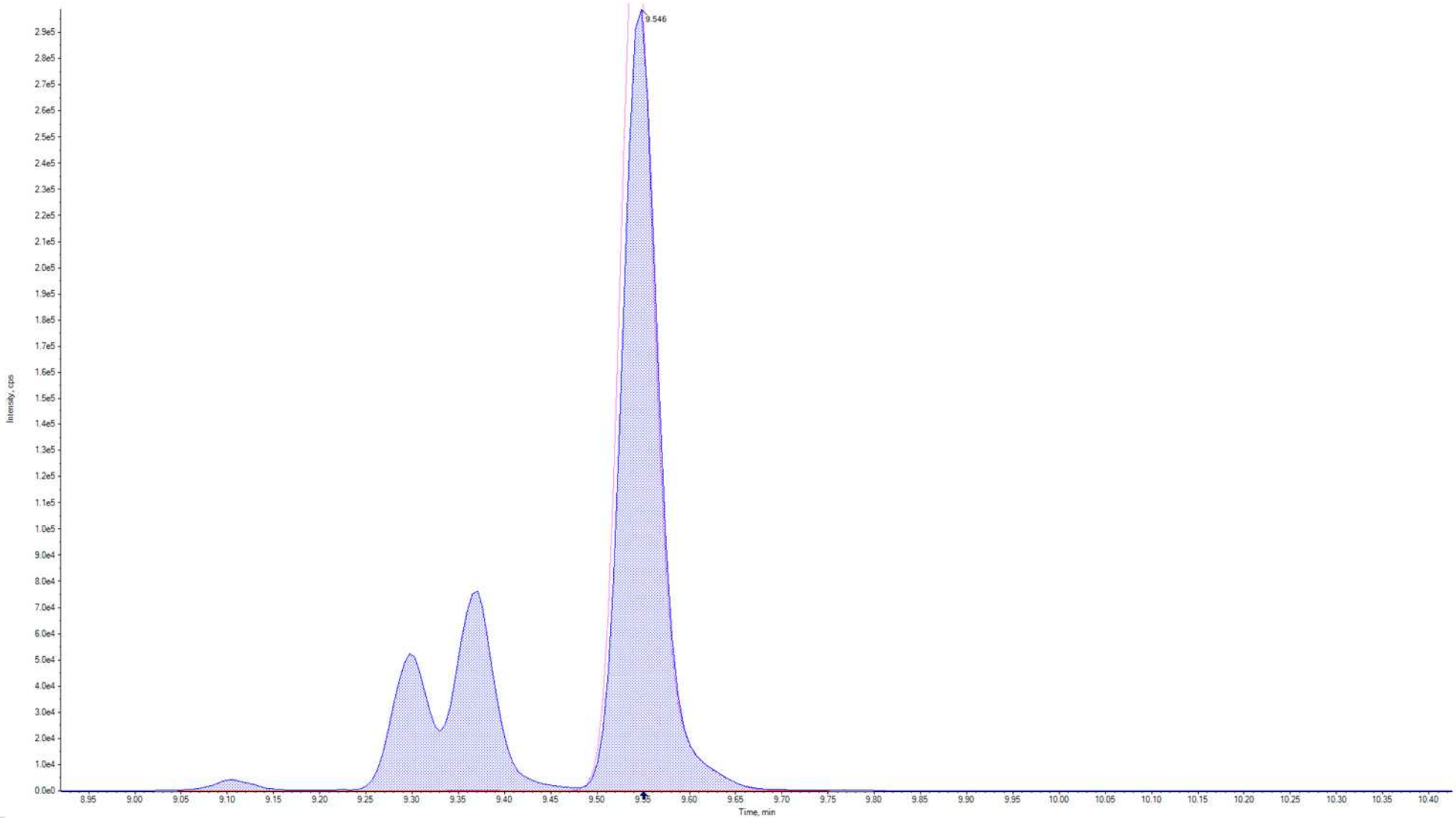
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-5 S/N:2714.7 Points Across peak:23



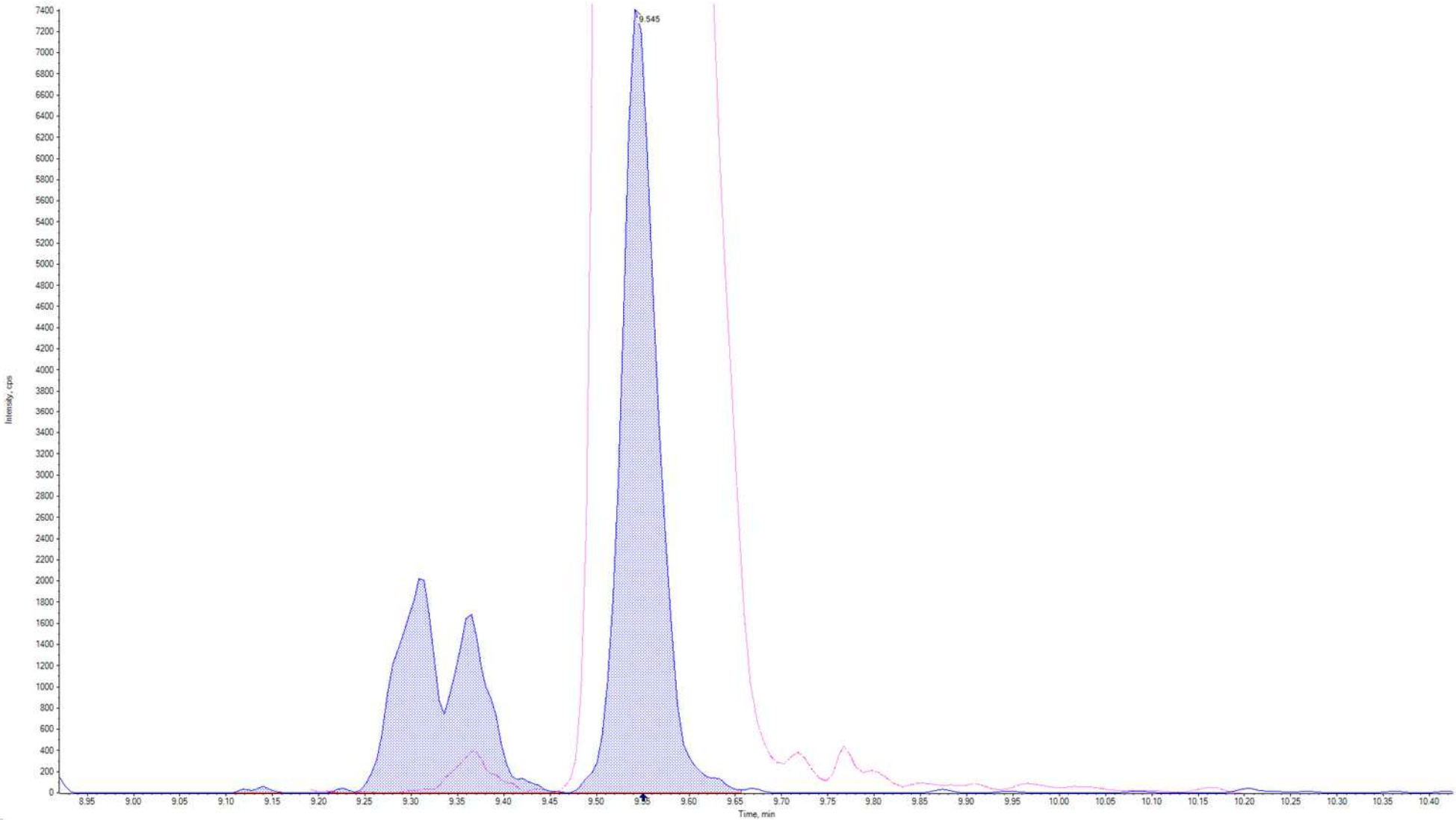
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-5 S/N:2974030.6 Points Across peak:123



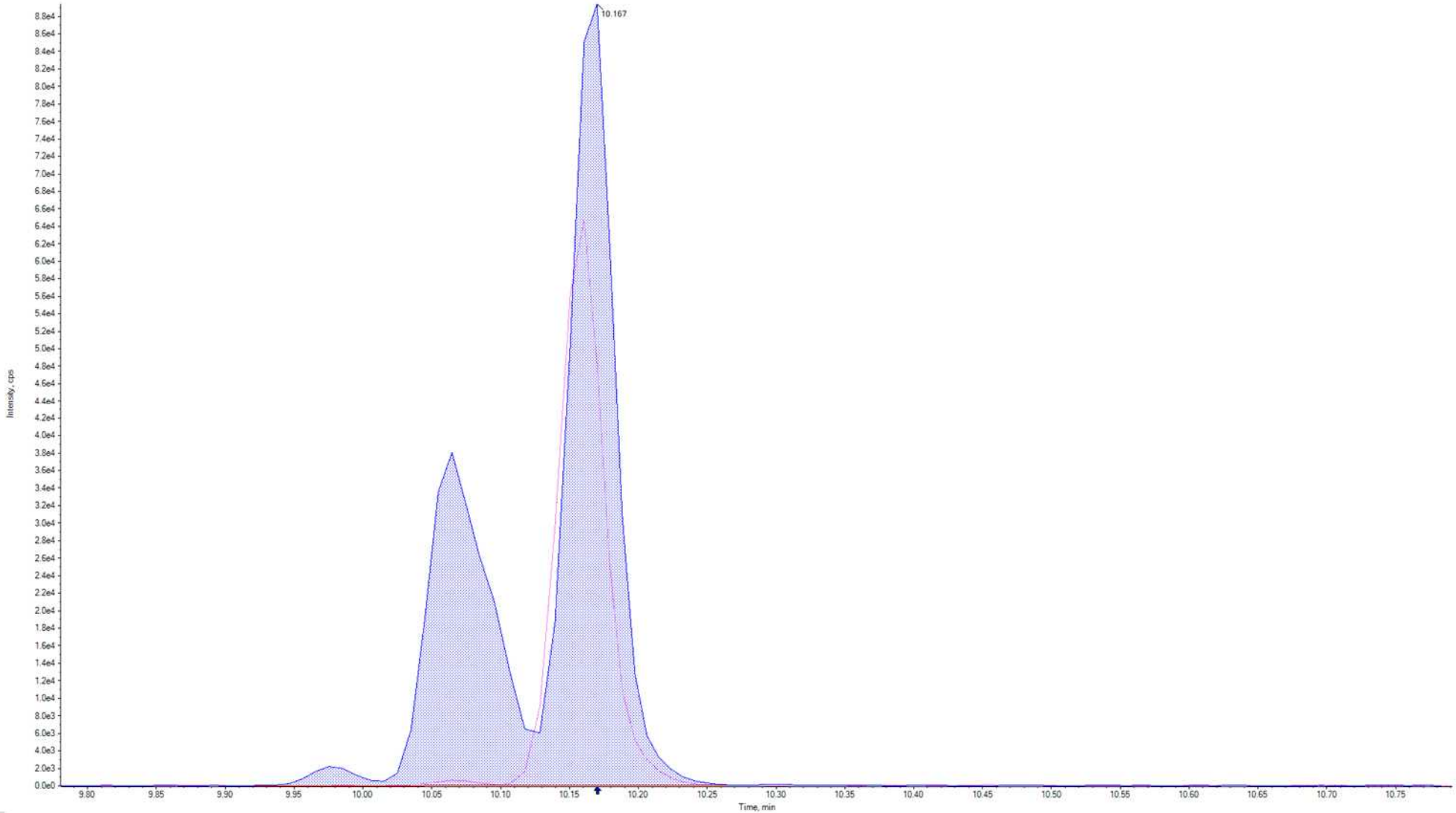
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-5 S/N:901.1 Points Across peak:97



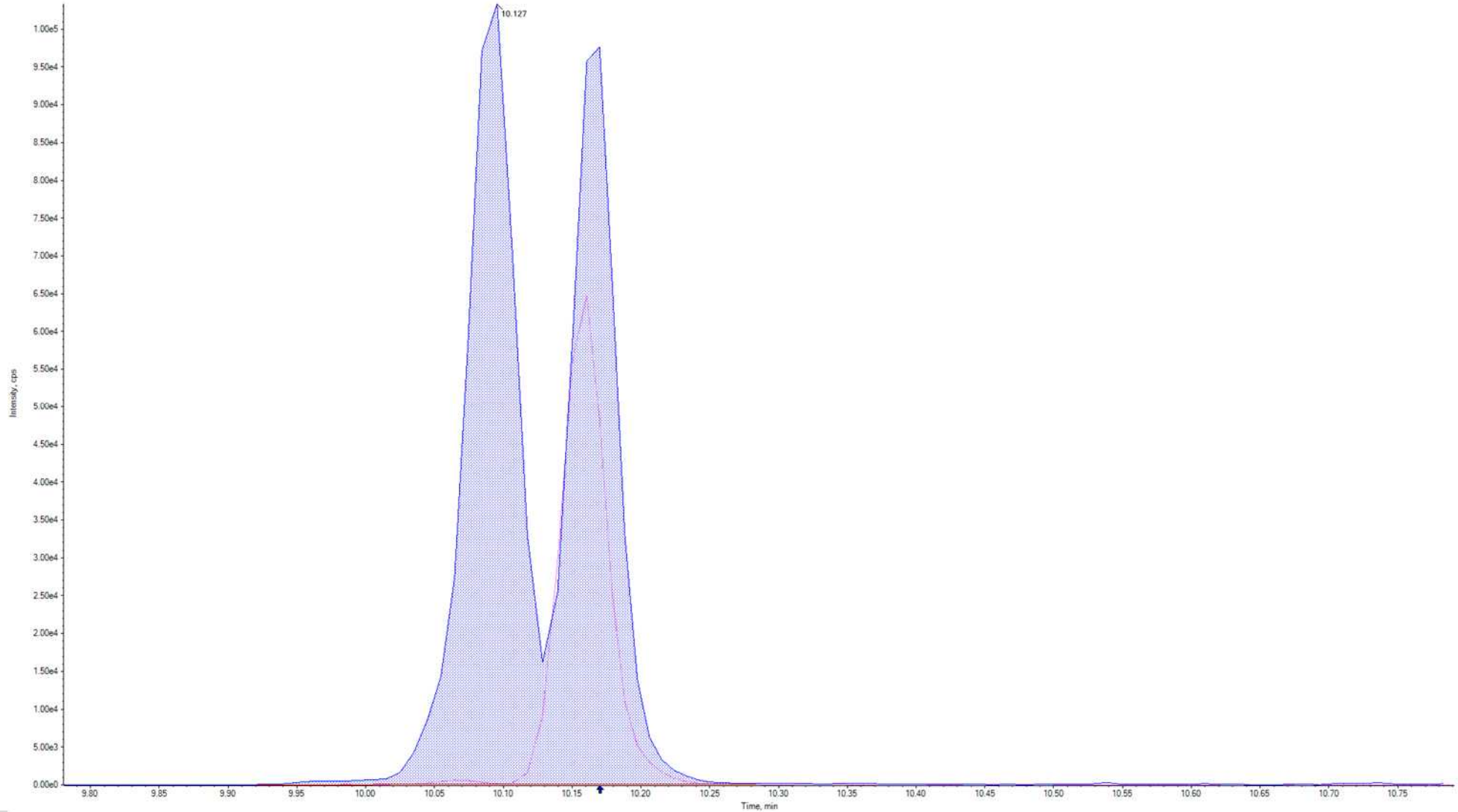
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-5 S/N:11132.5 Points Across peak:39



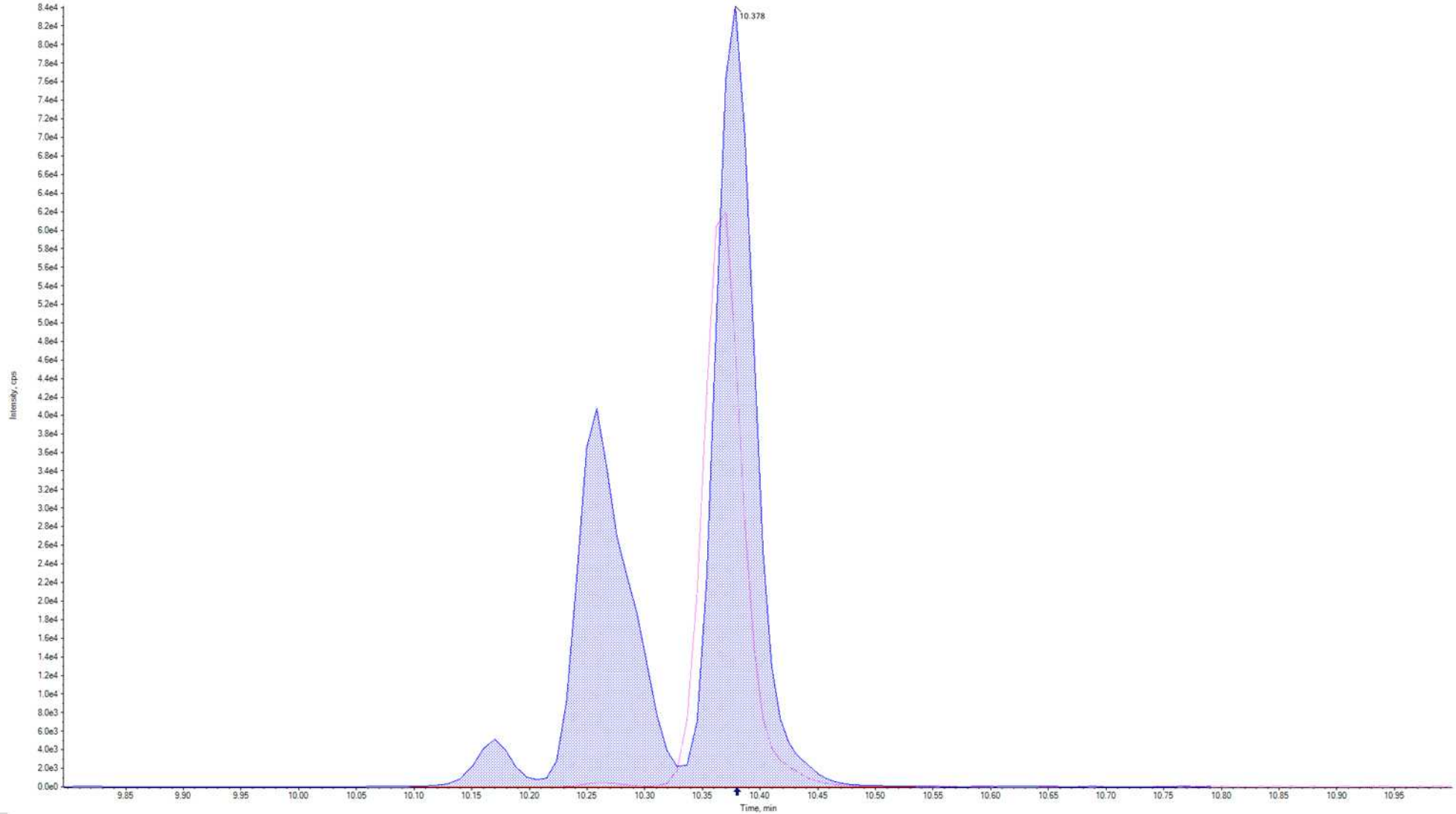
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-5 S/N:15941.5 Points Across peak:40



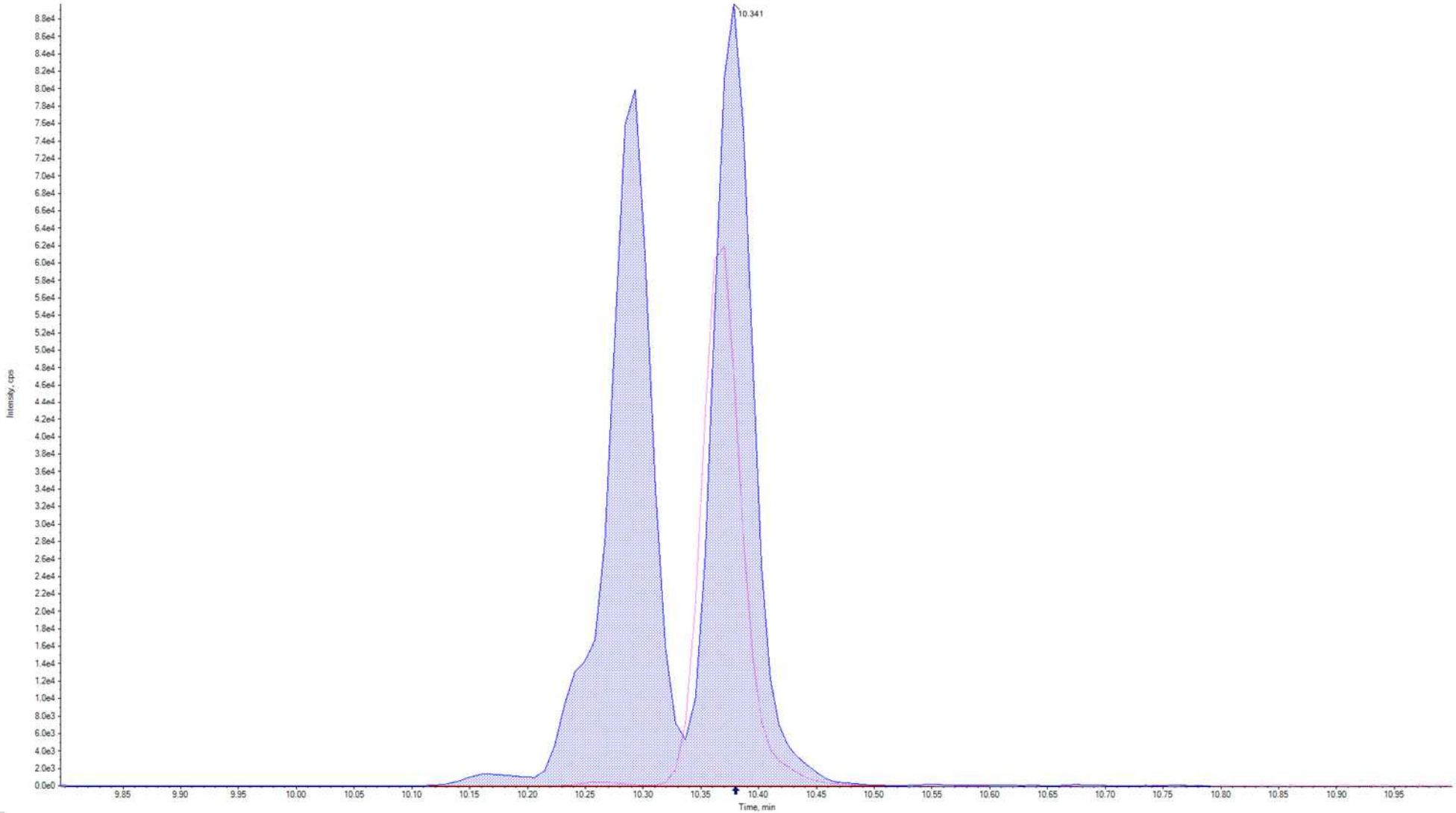
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-5 S/N:9106040.8 Points Across peak:55



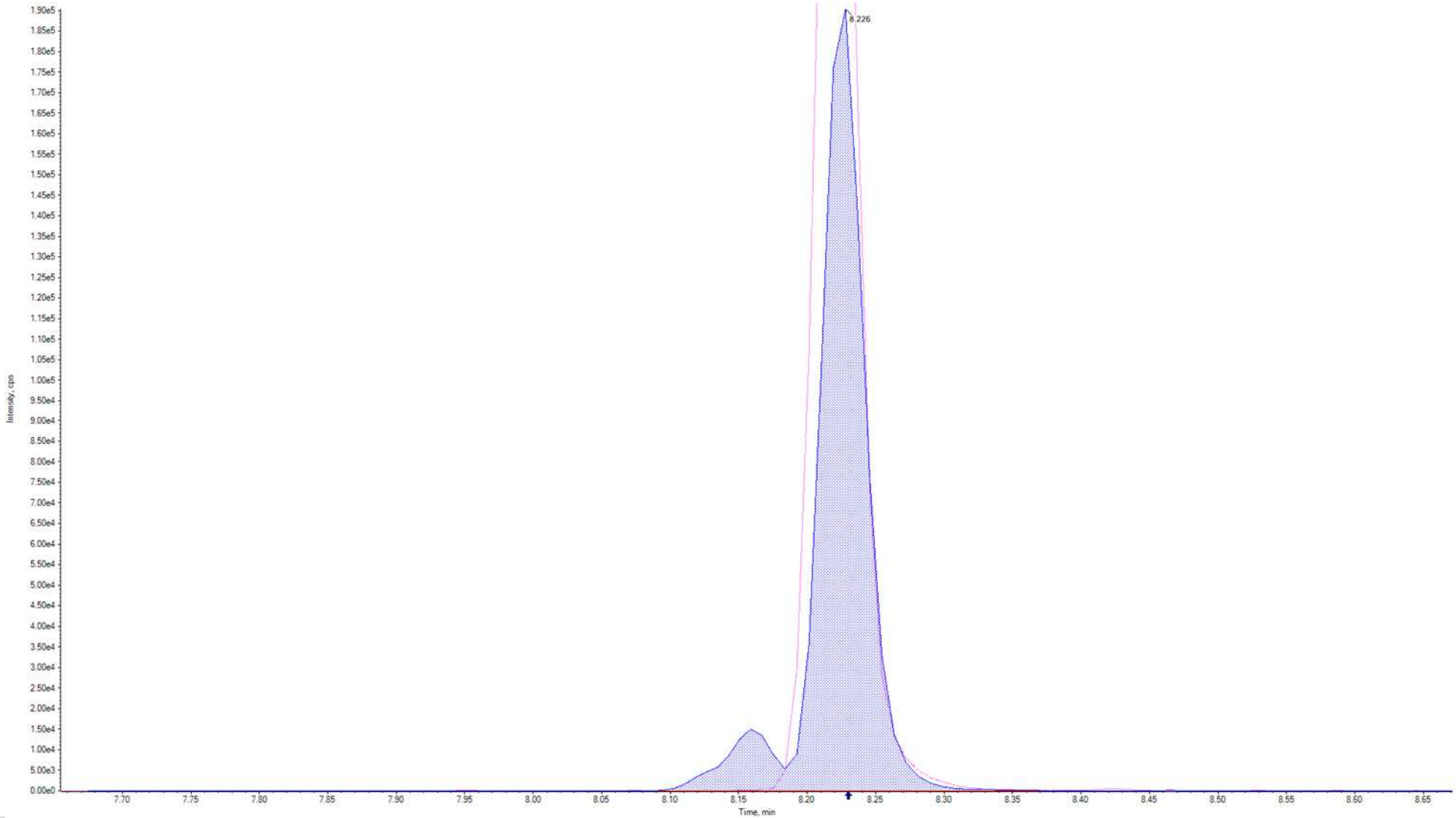
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-5 S/N:15134.1 Points Across peak:51



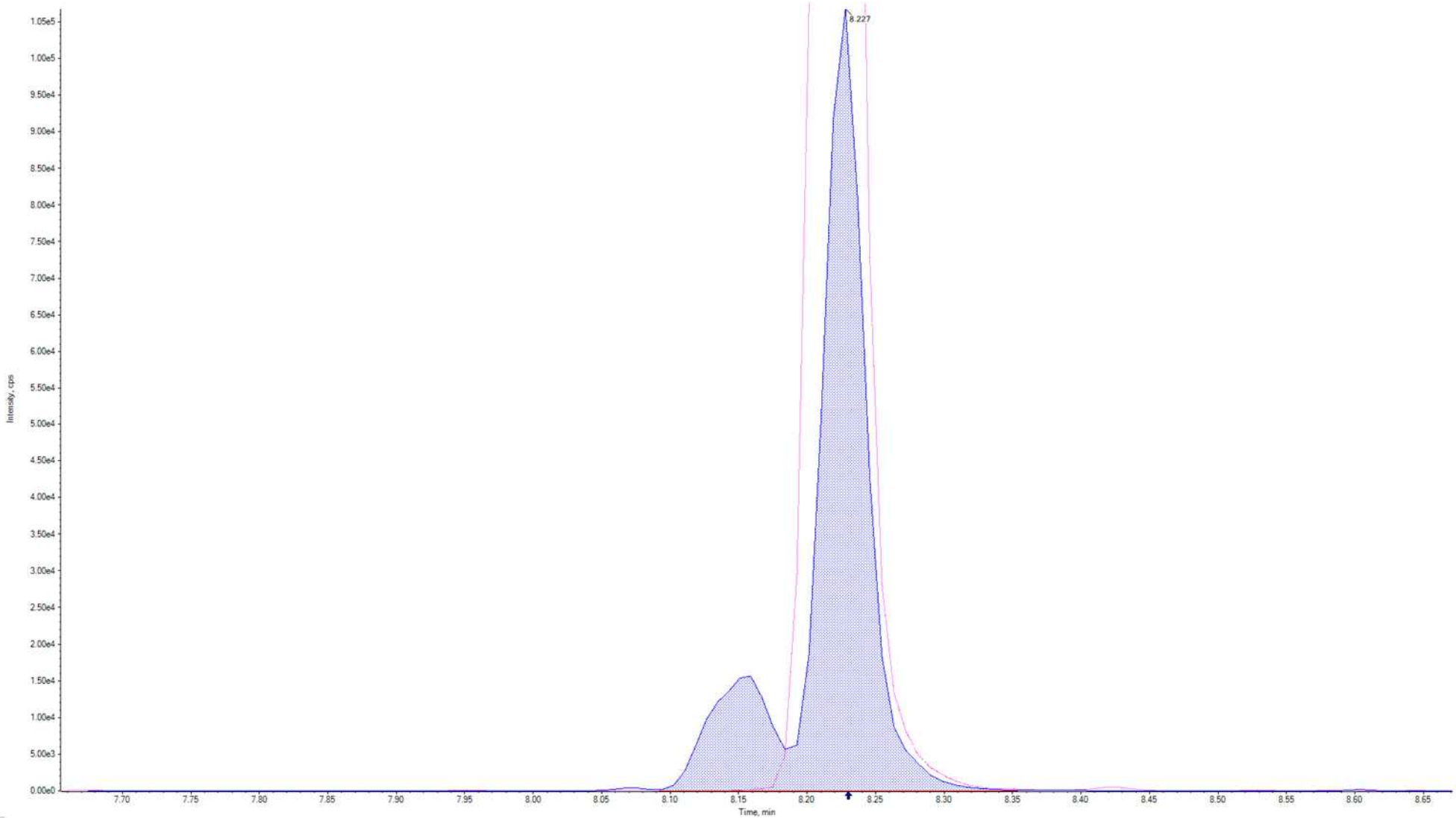
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-5 S/N:2089.9 Points Across peak:40



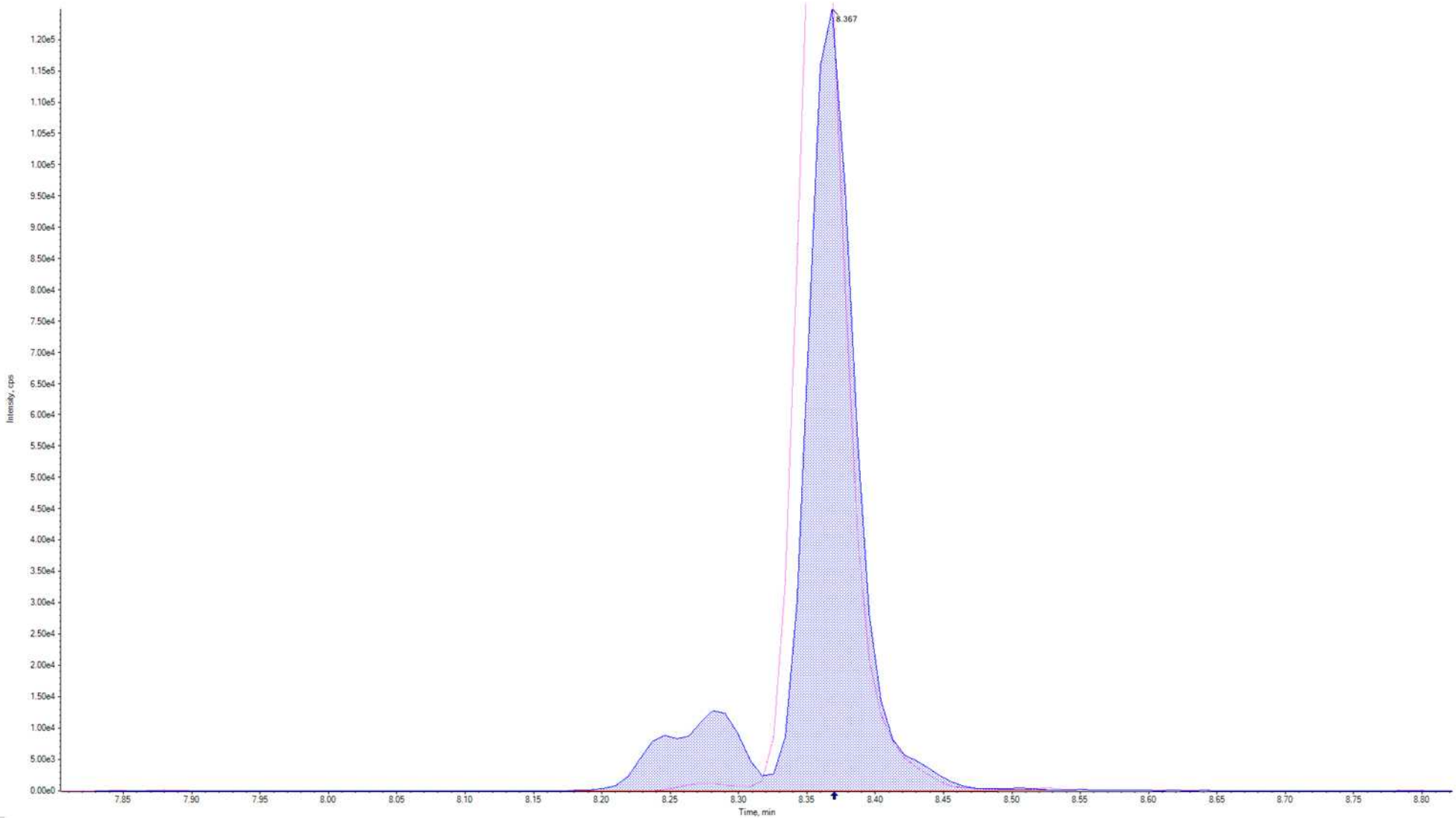
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-5 S/N:882.3 Points Across peak:33



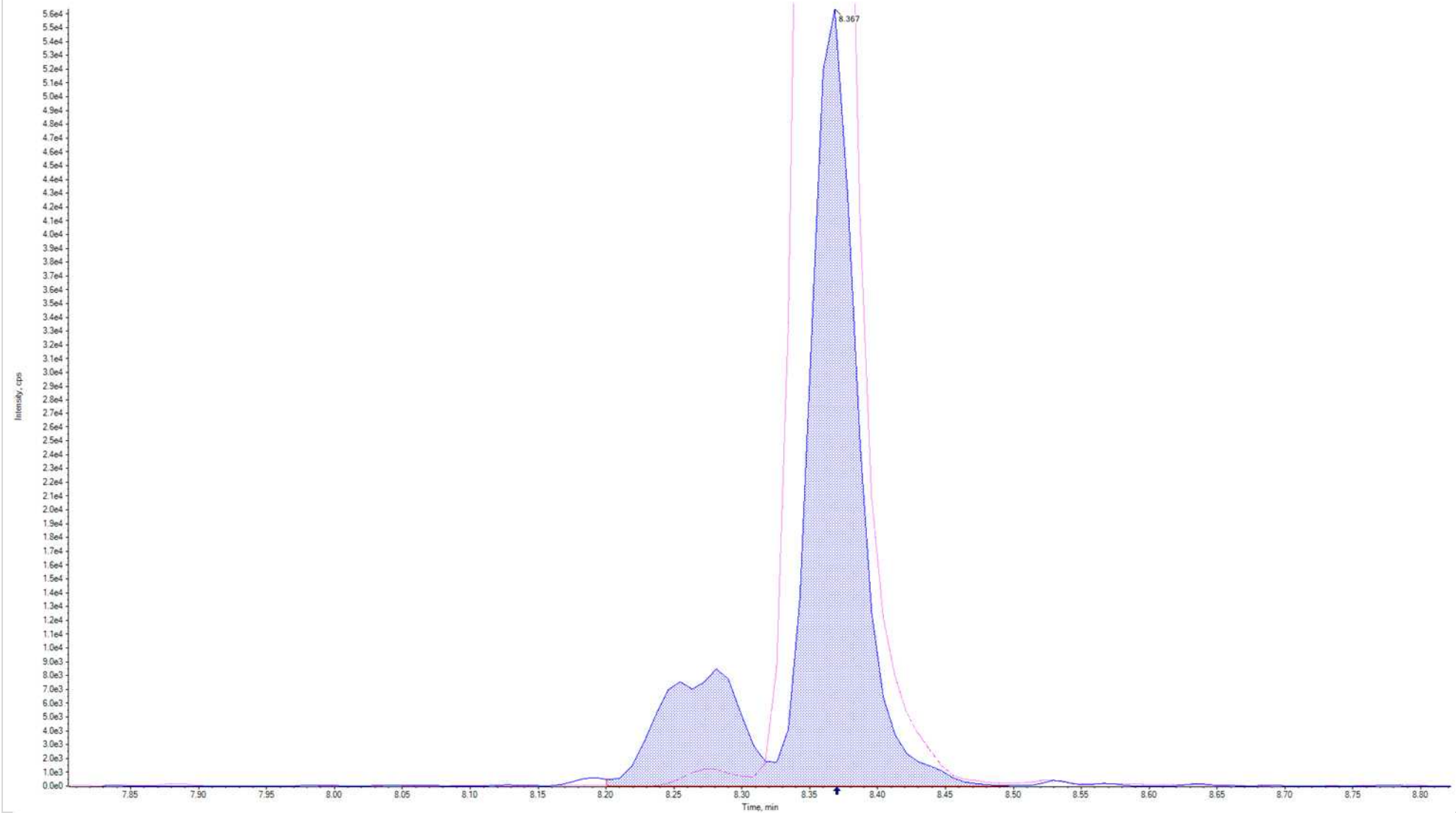
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-5 S/N:888.7 Points Across peak:46



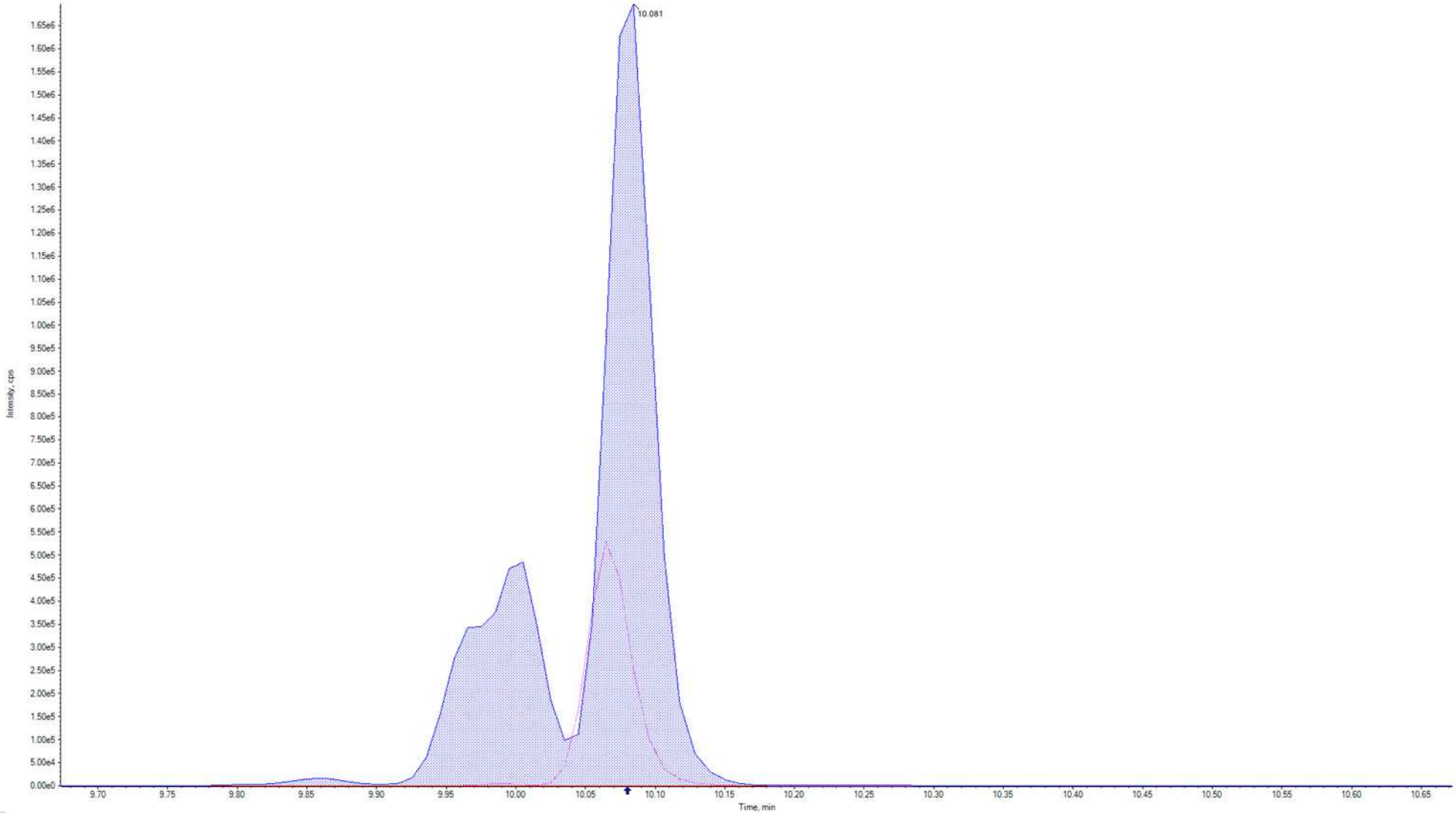
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-5 S/N:557.0 Points Across peak:36



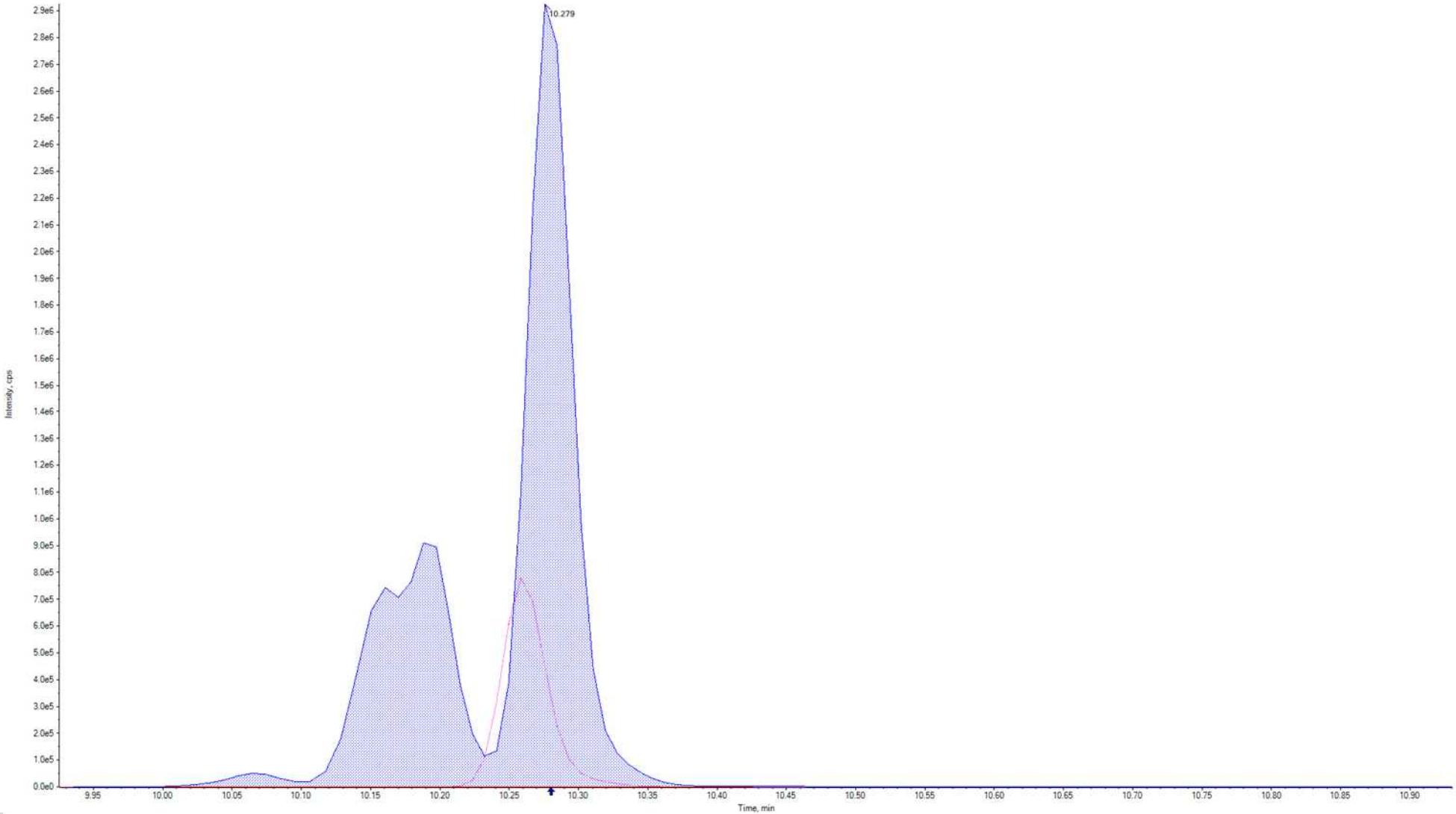
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-5 S/N:17396.6 Points Across peak:47



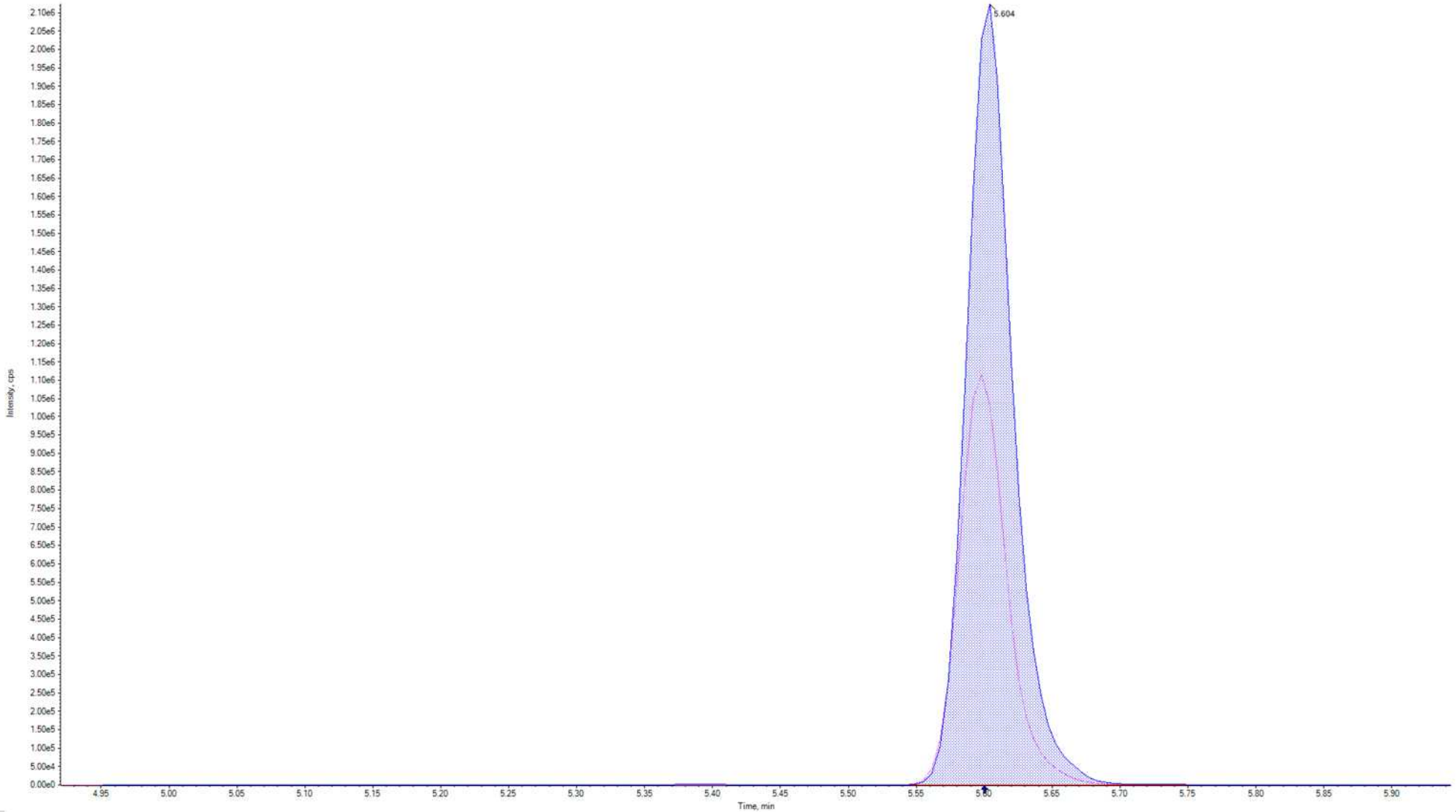
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-5 S/N:4692.8 Points Across peak:51



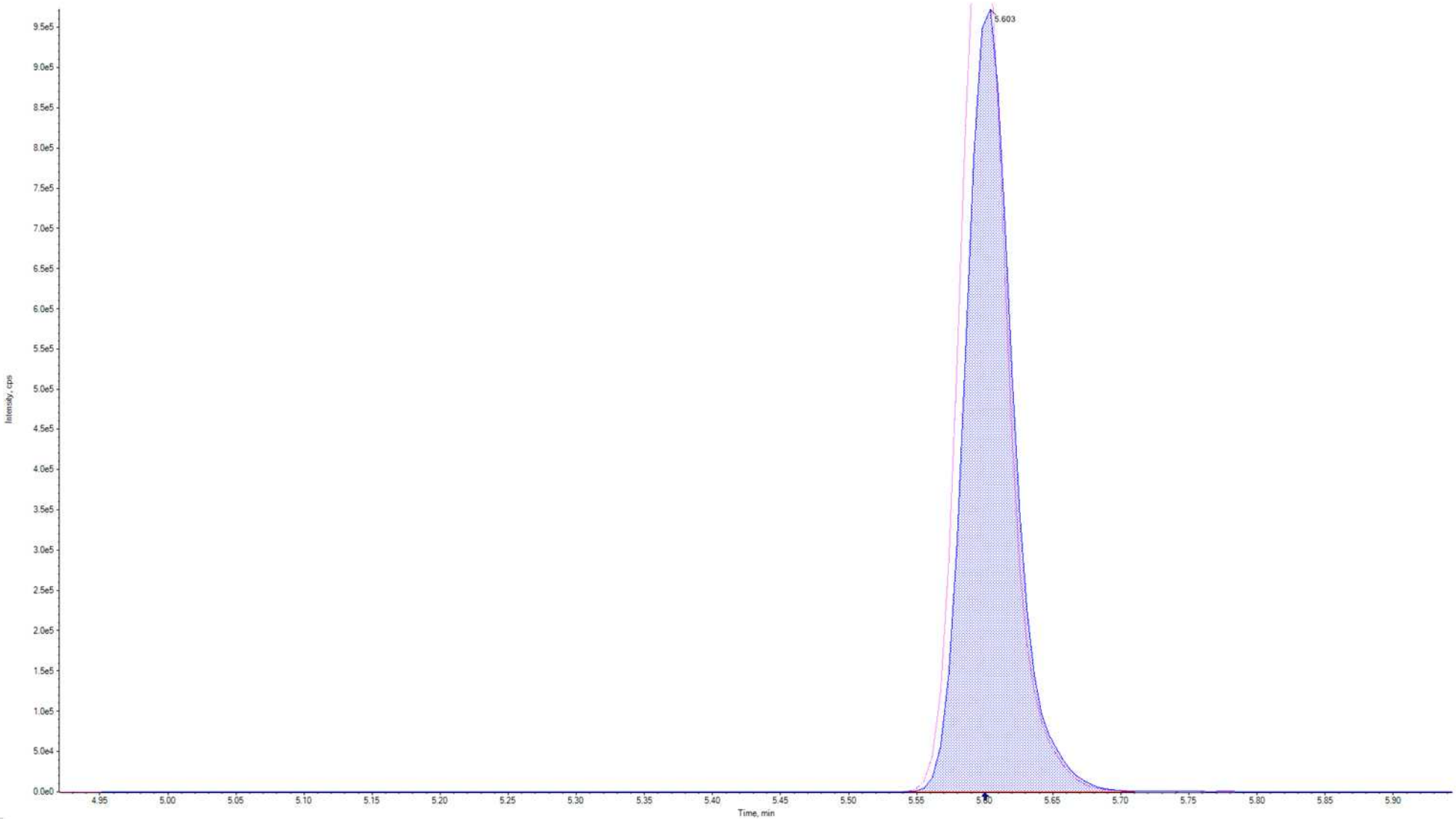
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-5 S/N:27944.1 Points Across peak:56



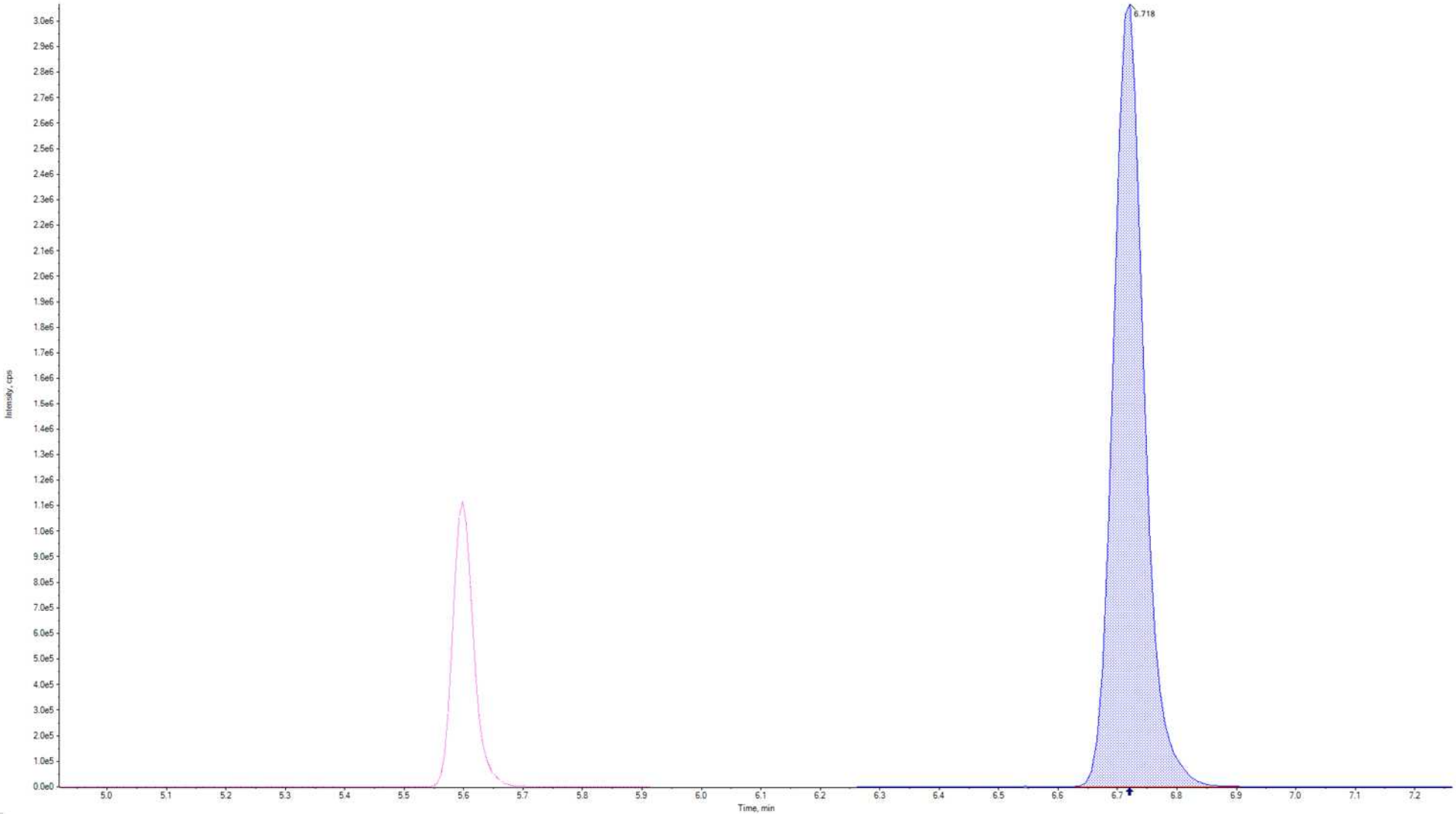
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-5 S/N:6642.1 Points Across peak:36



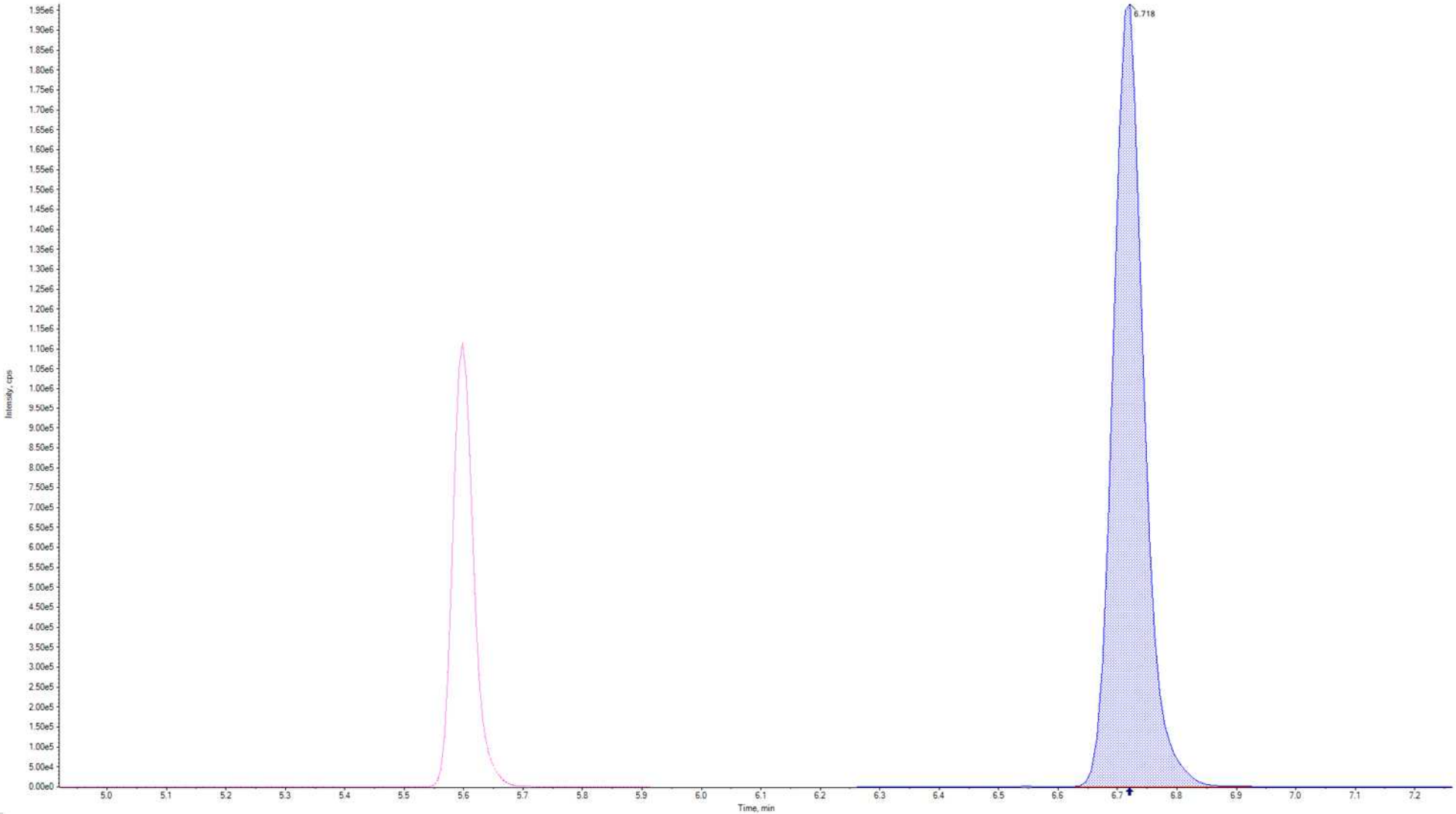
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-5 S/N:13708.9 Points Across peak:41



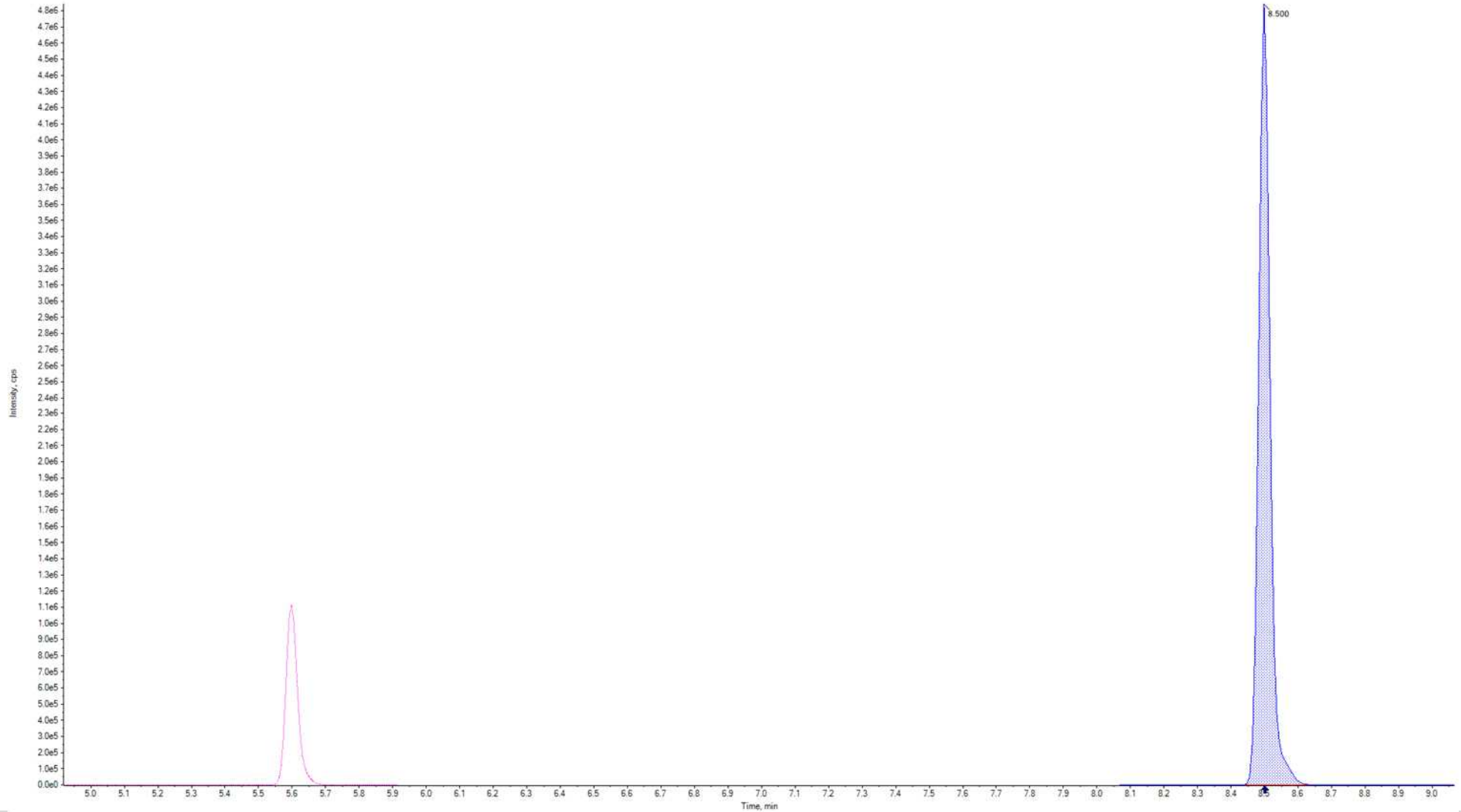
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-5 S/N:17524.9 Points Across peak:45



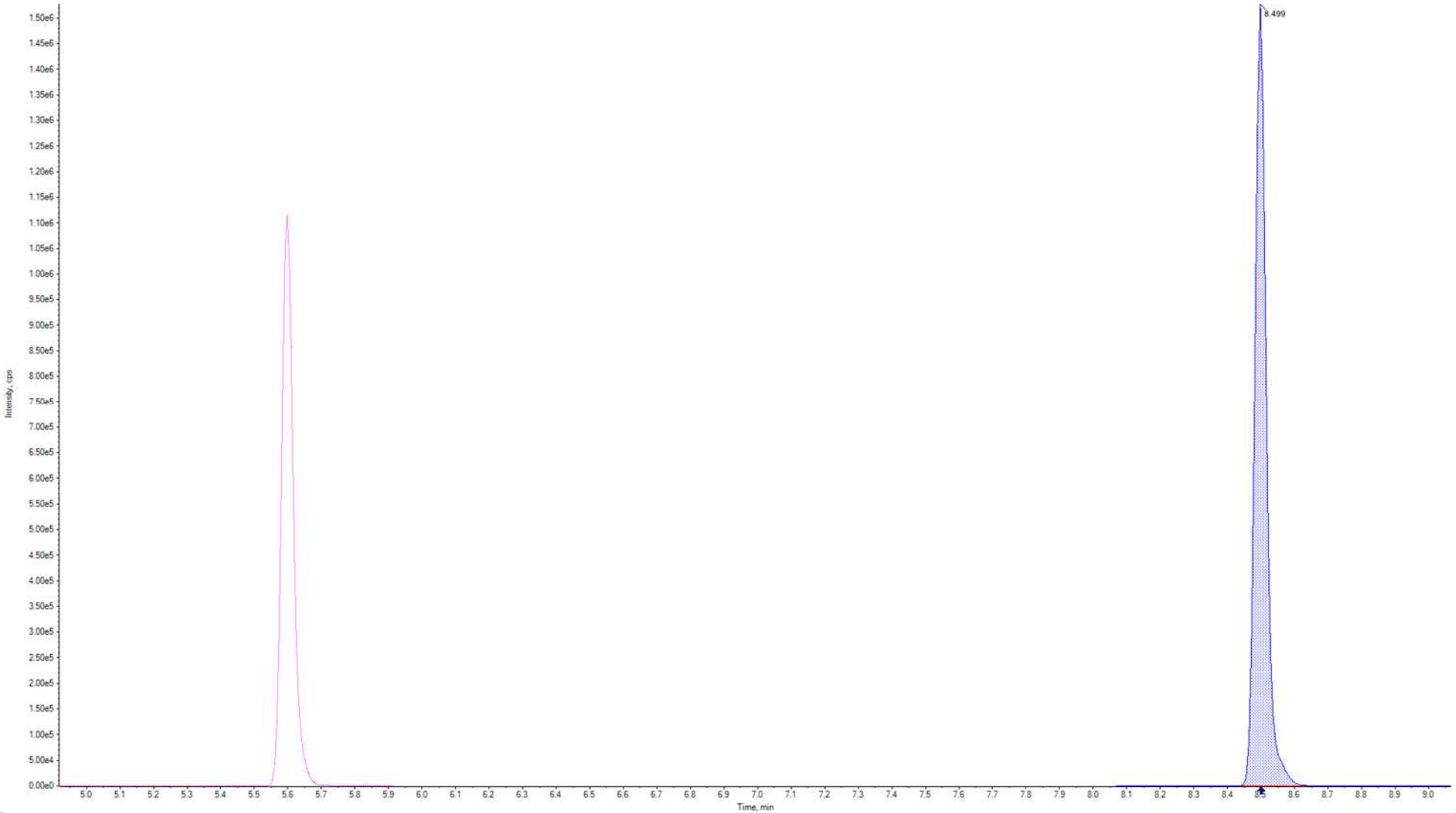
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-5 S/N:1142992.2 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-5 S/N:6168347.9 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

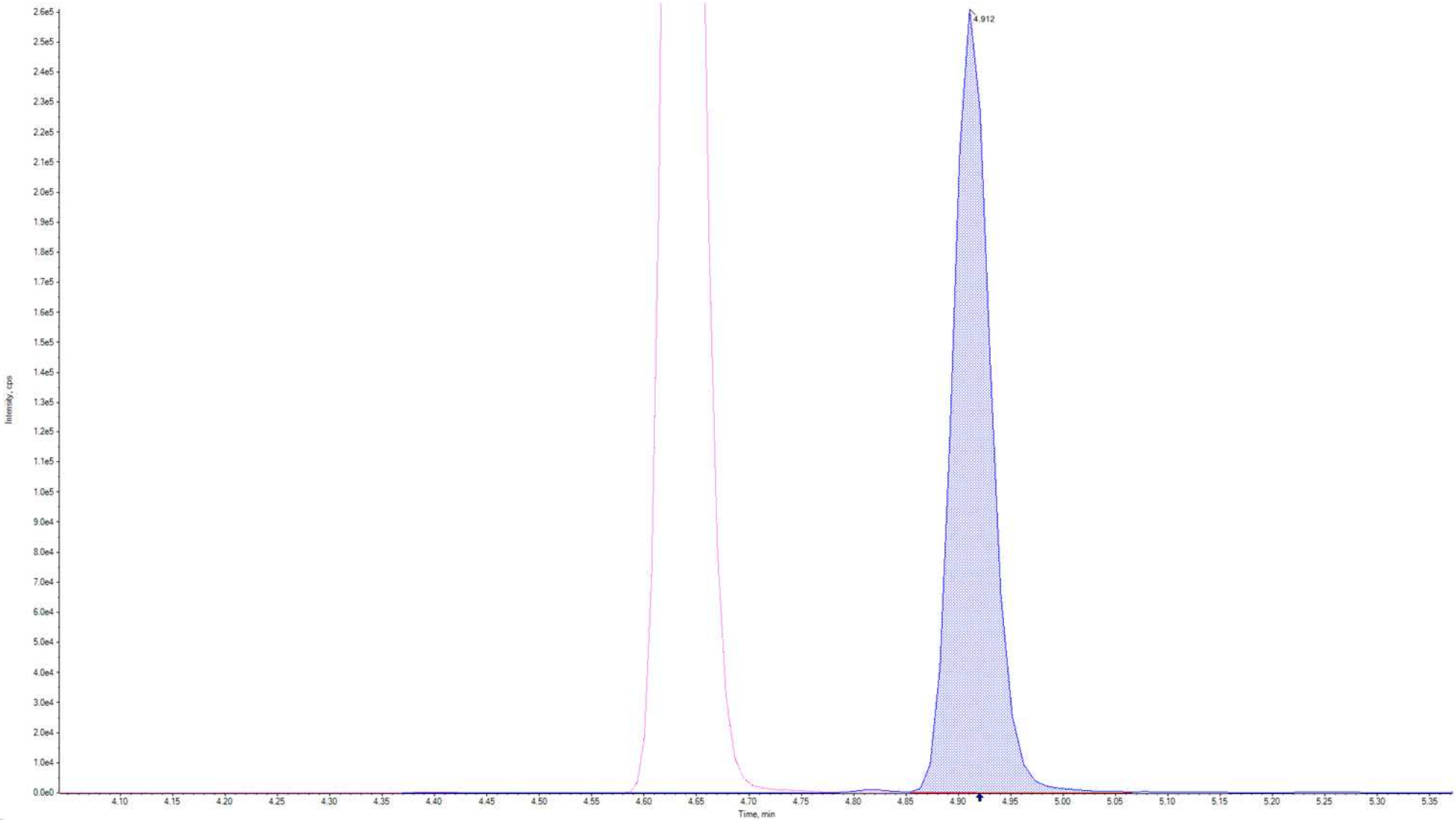
11Cl-PF3OUdS
Sample: IA1633STD-5 S/N:186176.6 Points Across peak:43

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-5 S/N:4873.0 Points Across peak:47

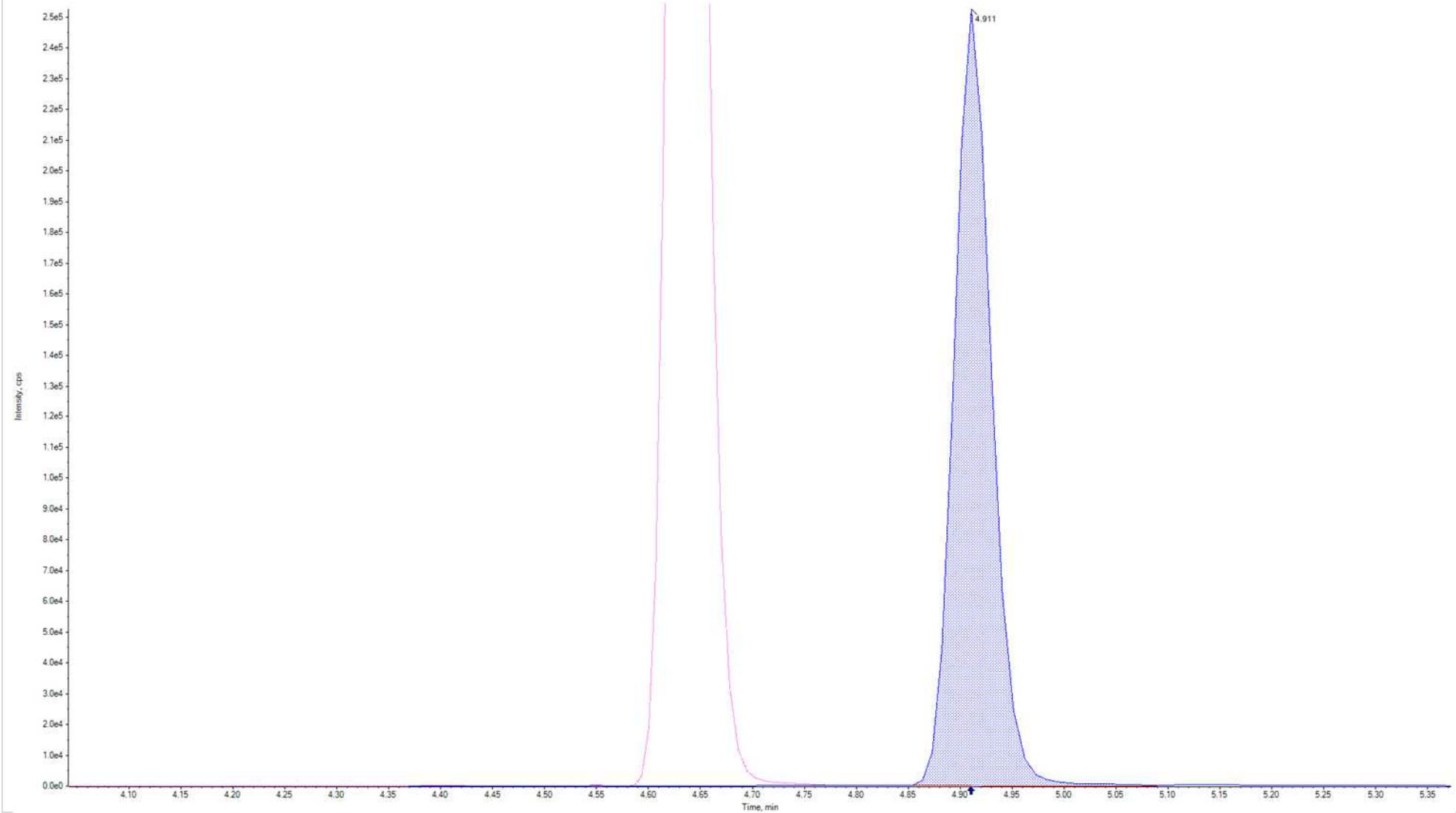
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-5 S/N:4666.5 Points Across peak:22



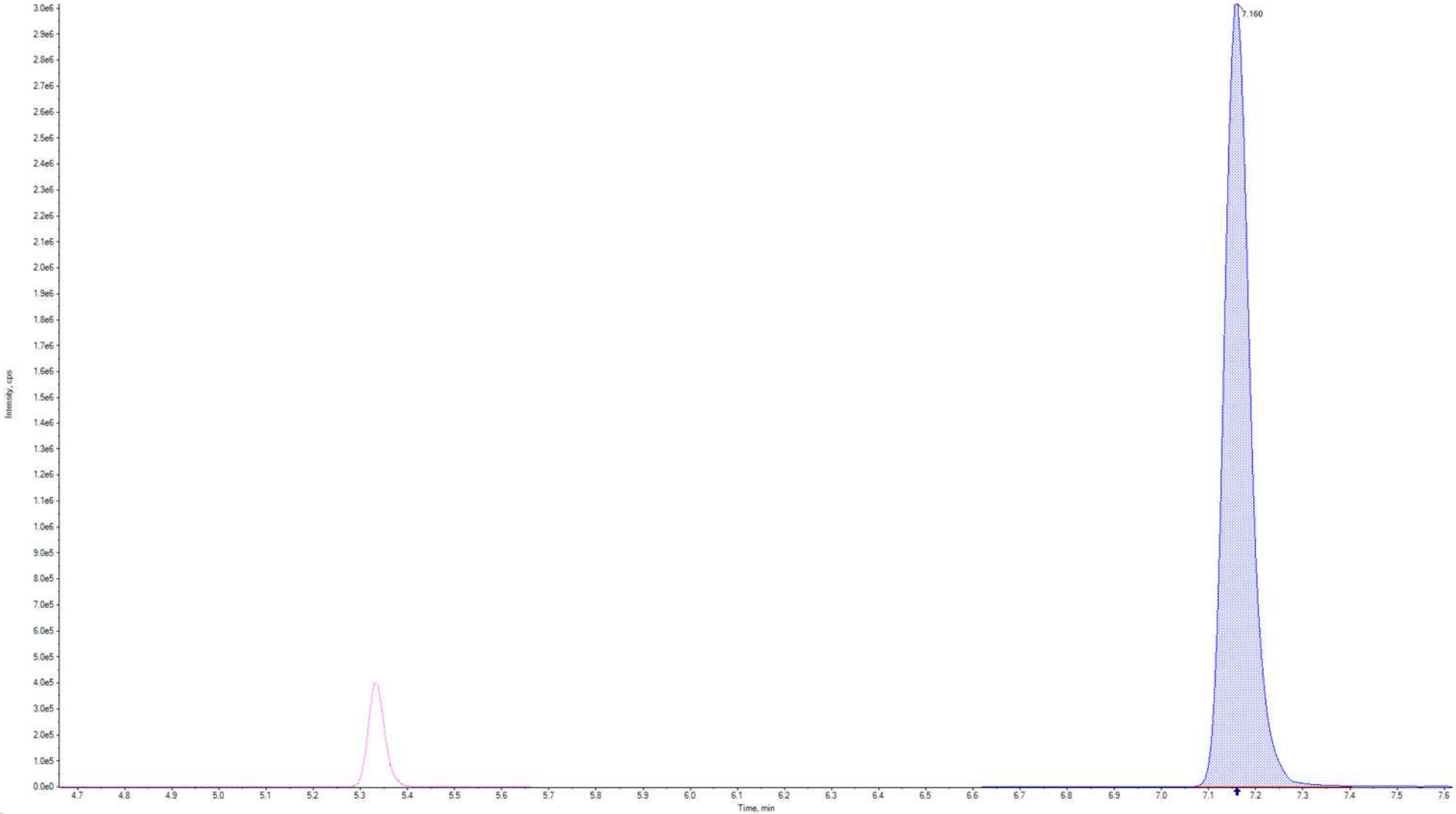
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-5 S/N:5331.1 Points Across peak:26



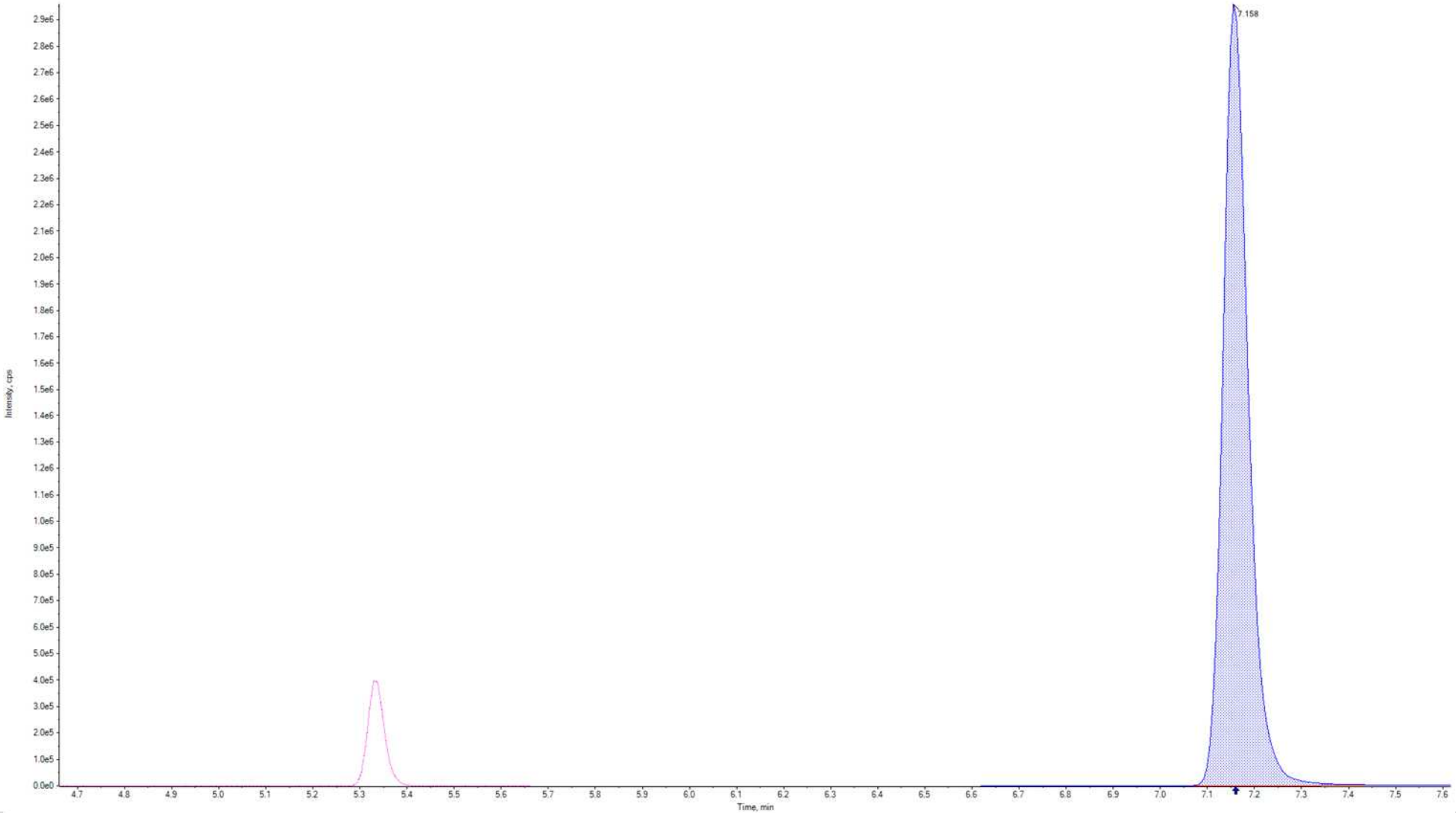
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-5 S/N:30755.0 Points Across peak:61



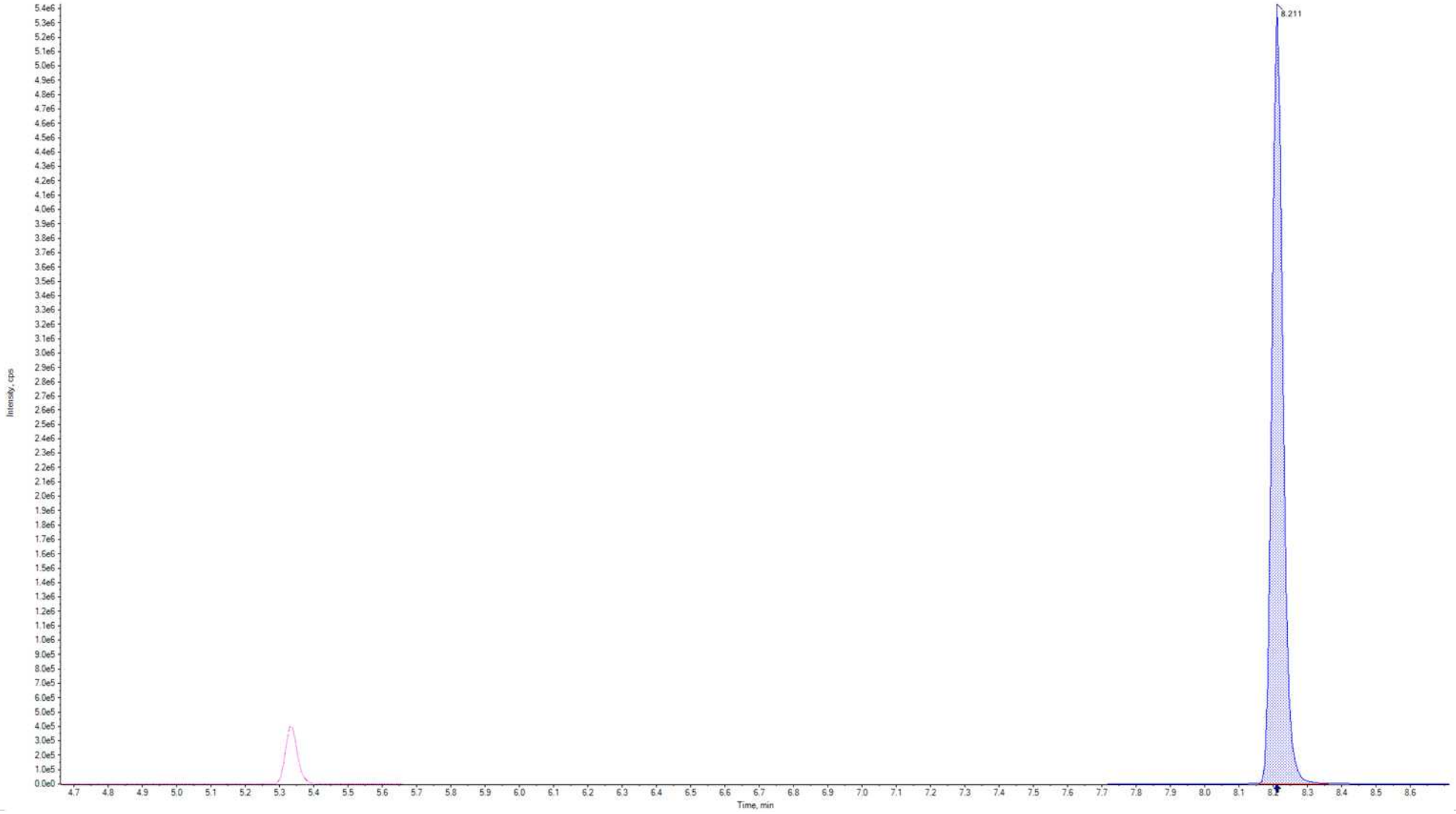
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-5 S/N:18561.2 Points Across peak:72



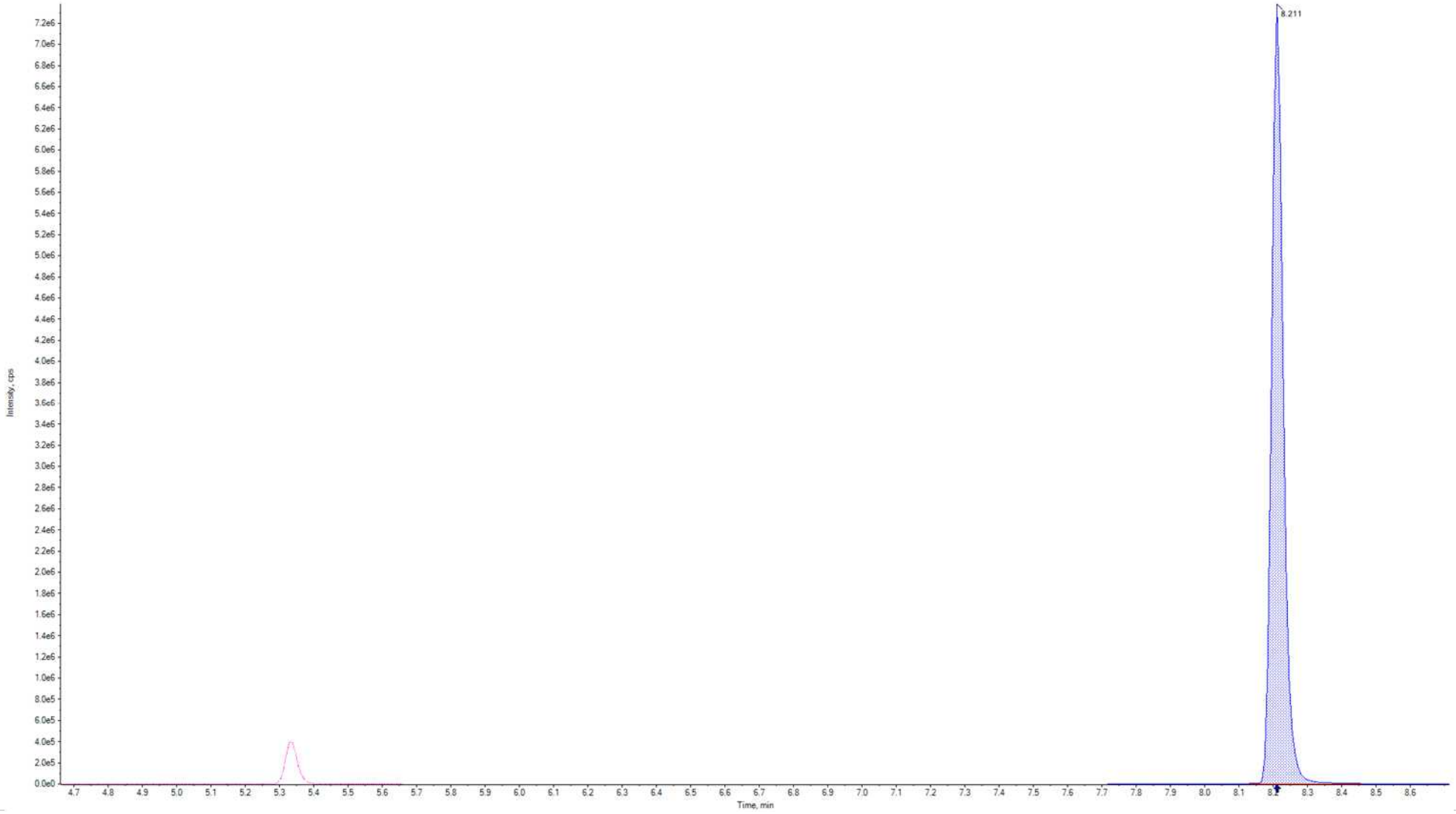
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-5 S/N:14782.8 Points Across peak:24



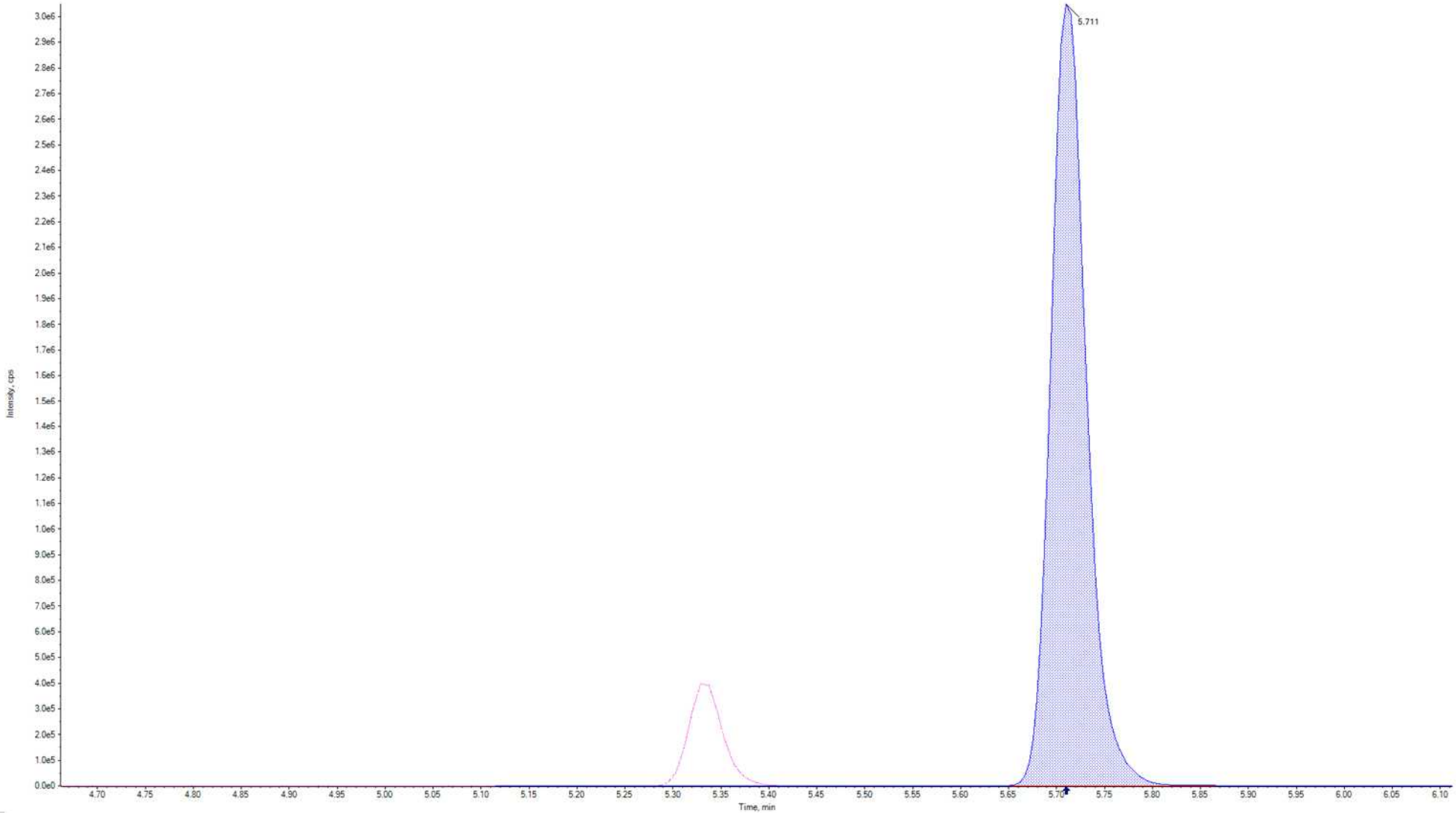
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-5 S/N:44360.9 Points Across peak:48



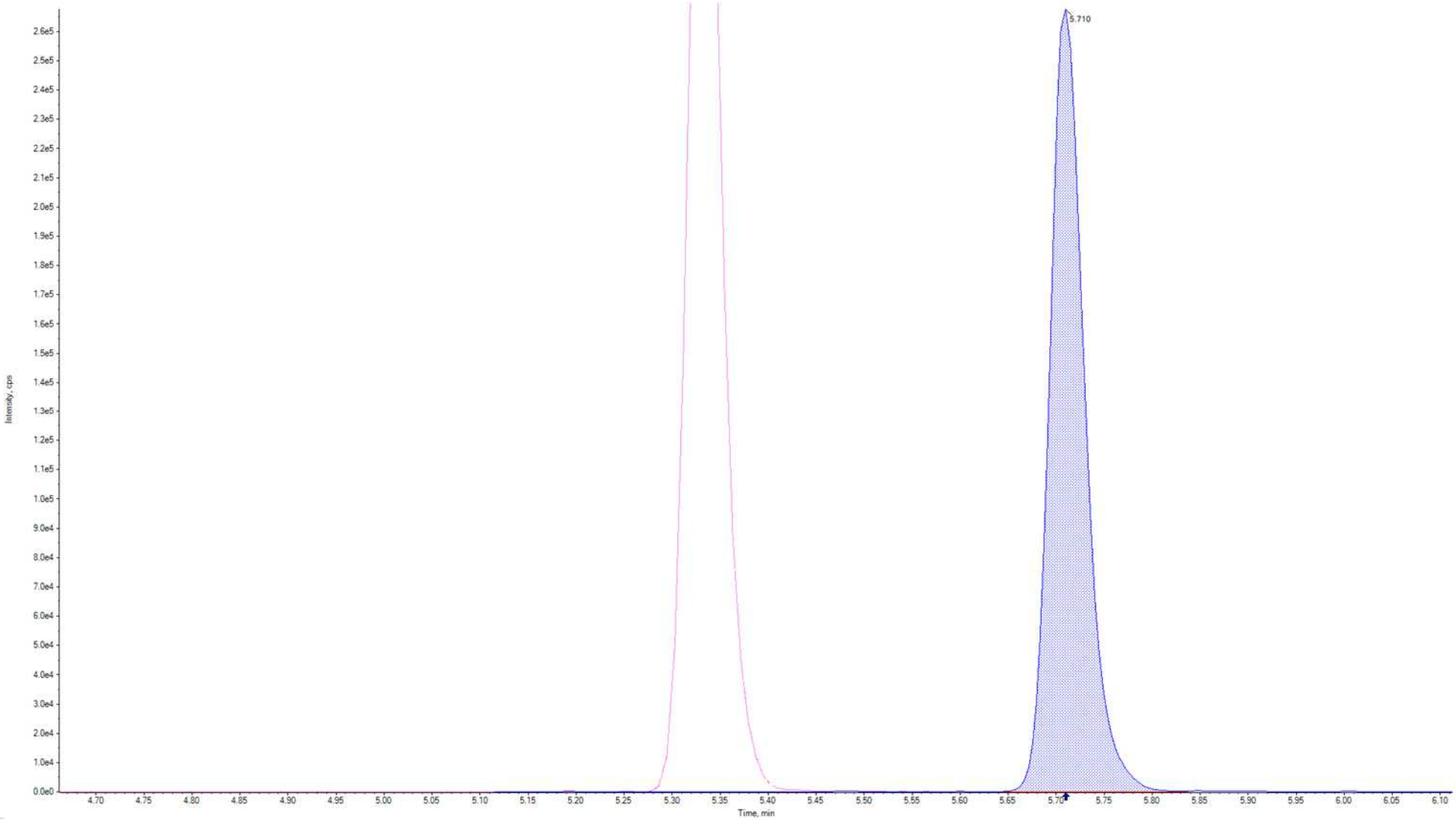
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-5 S/N:17438.8 Points Across peak:58



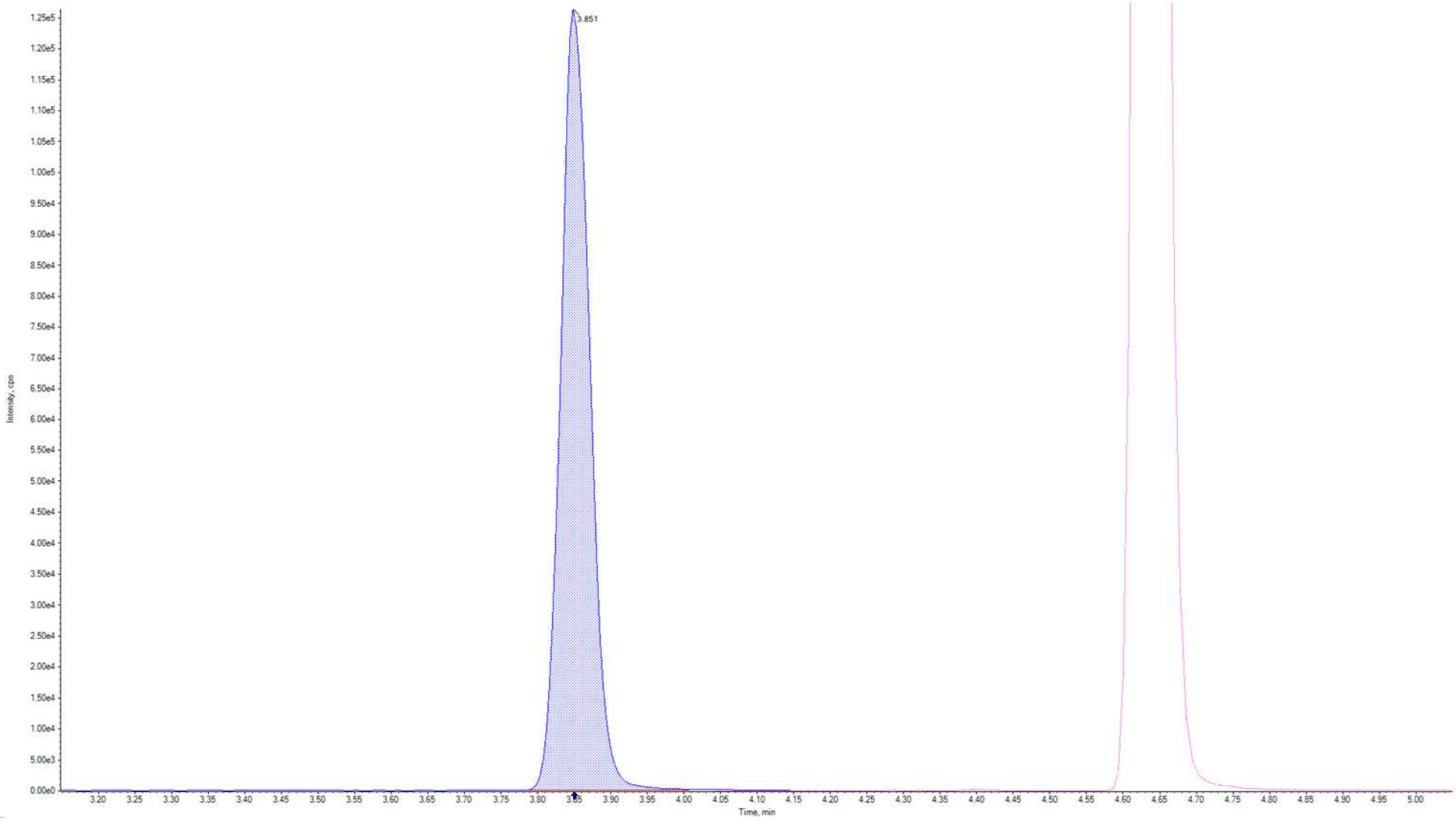
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-5 S/N:7182.5 Points Across peak:44



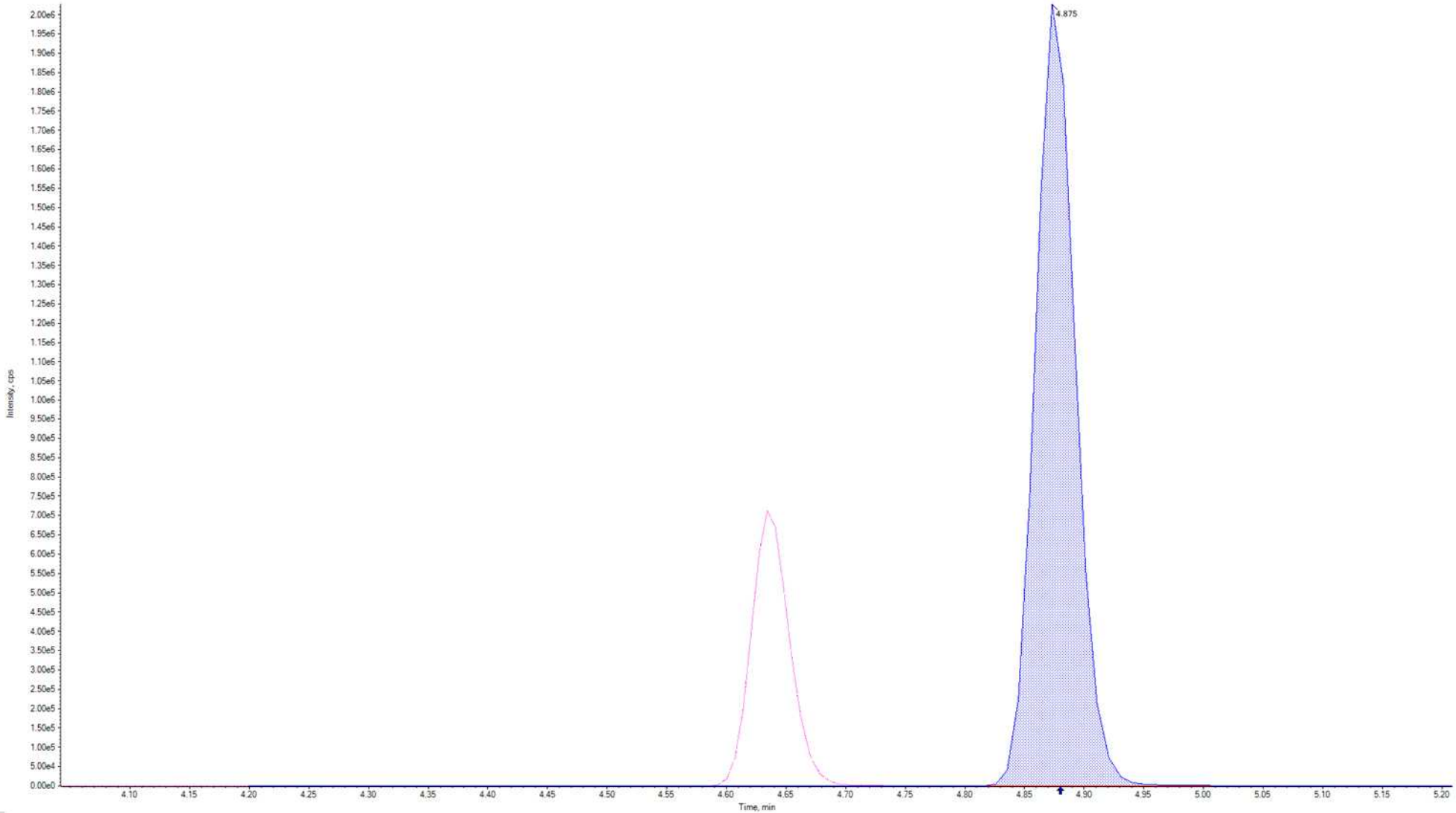
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-5 S/N:4882.7 Points Across peak:59



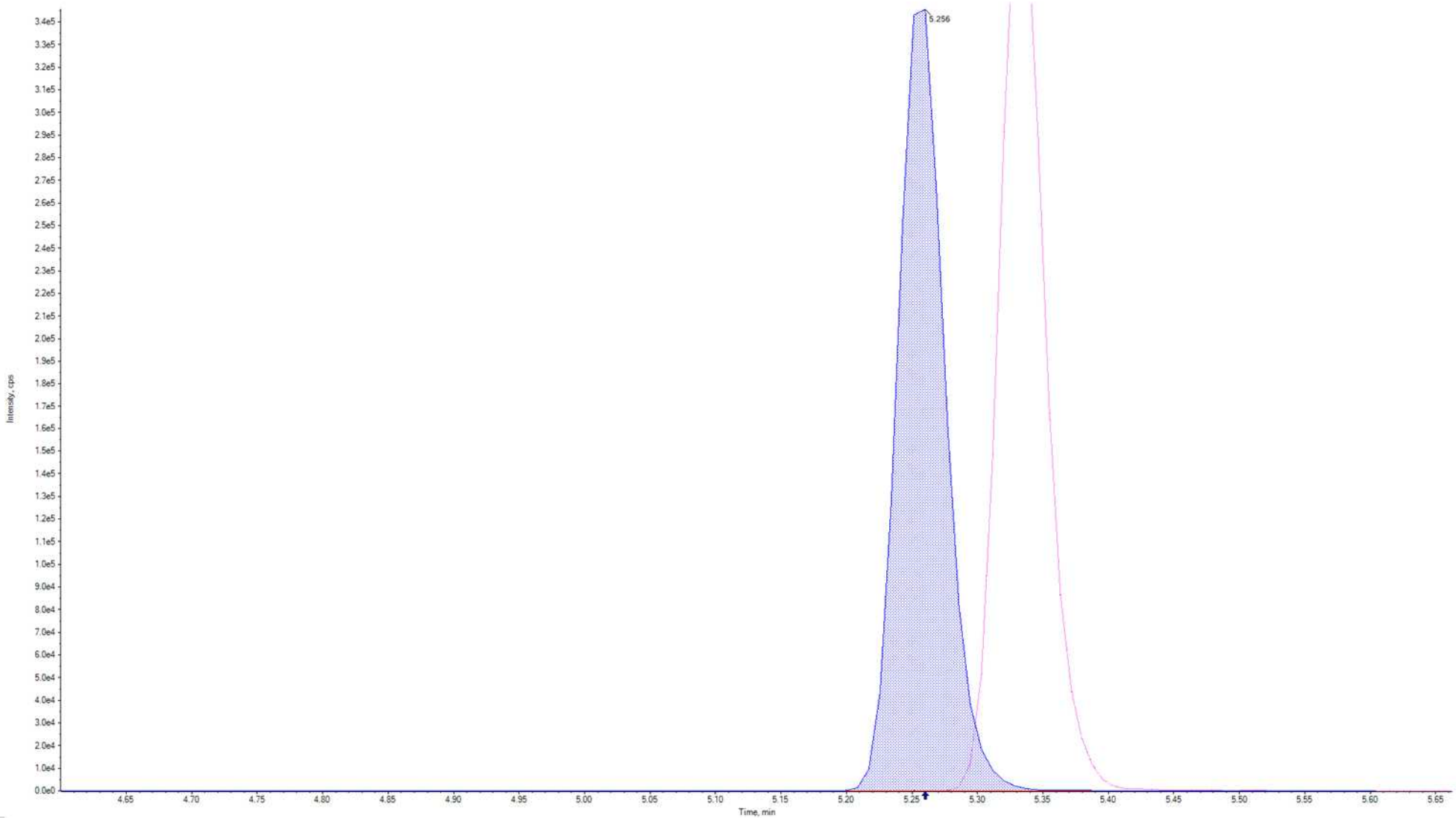
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-5 S/N:12086.9 Points Across peak:30



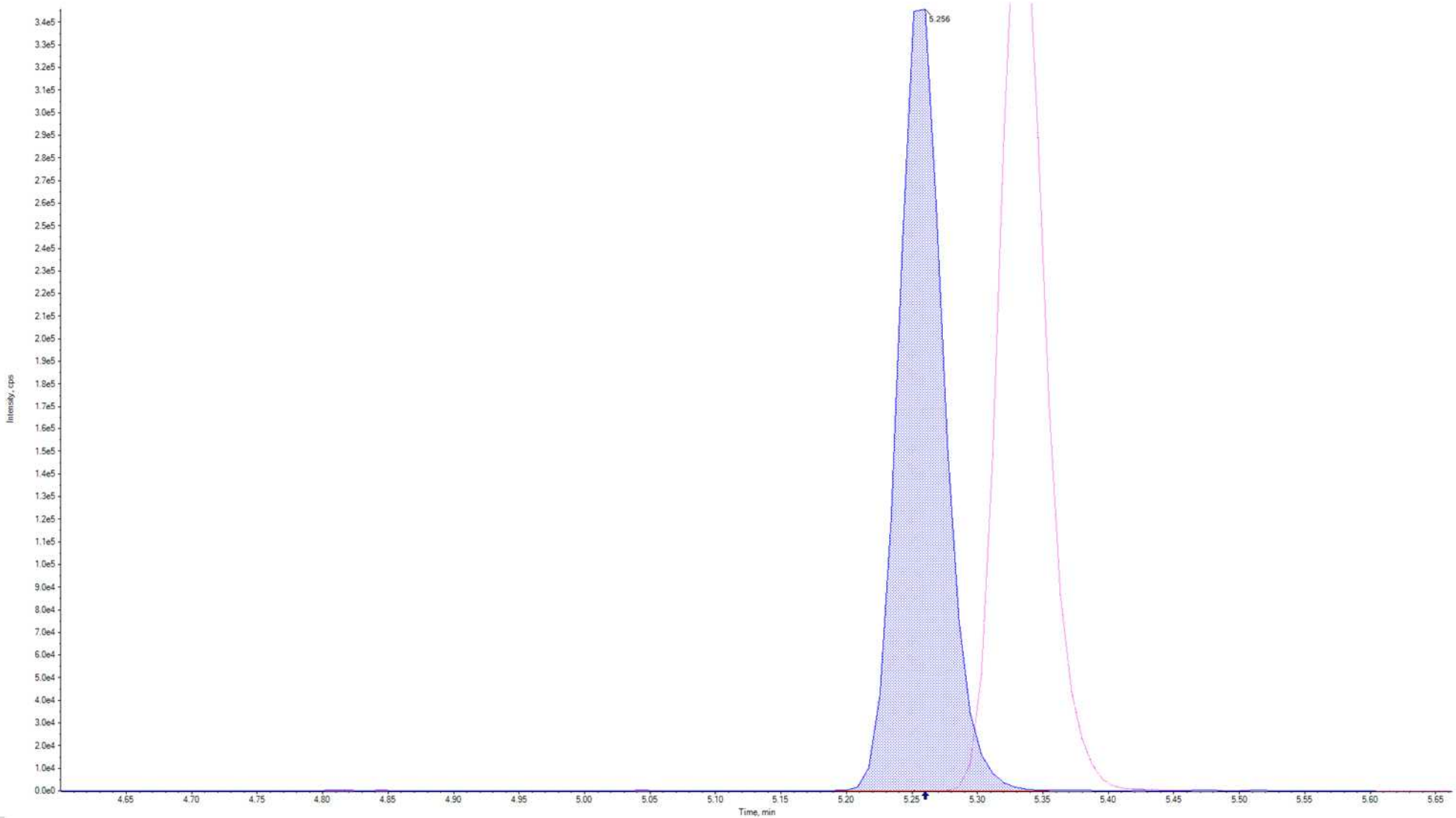
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-5 S/N:5006.5 Points Across peak:31



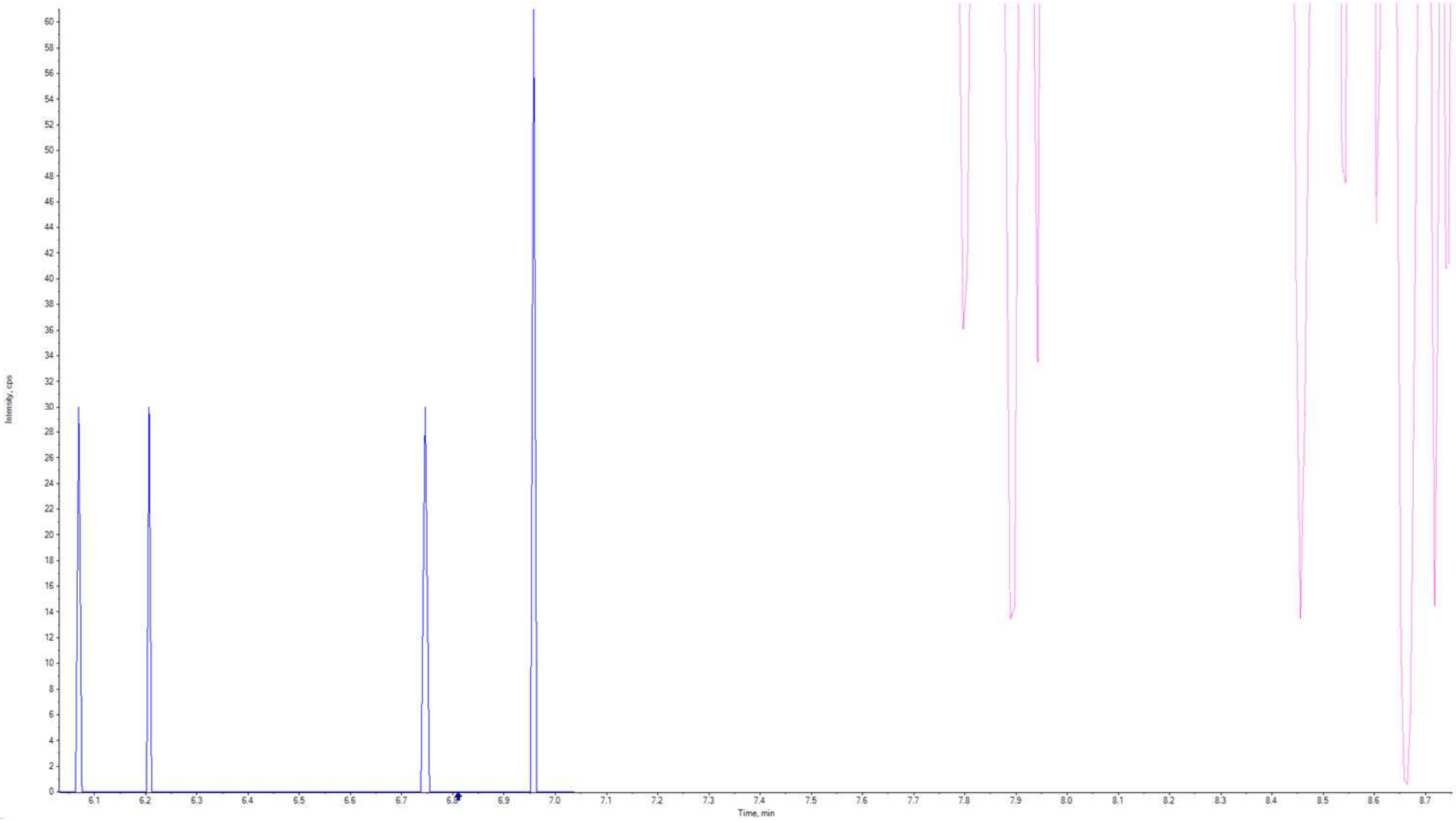
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-5 S/N:3249.6 Points Across peak:23



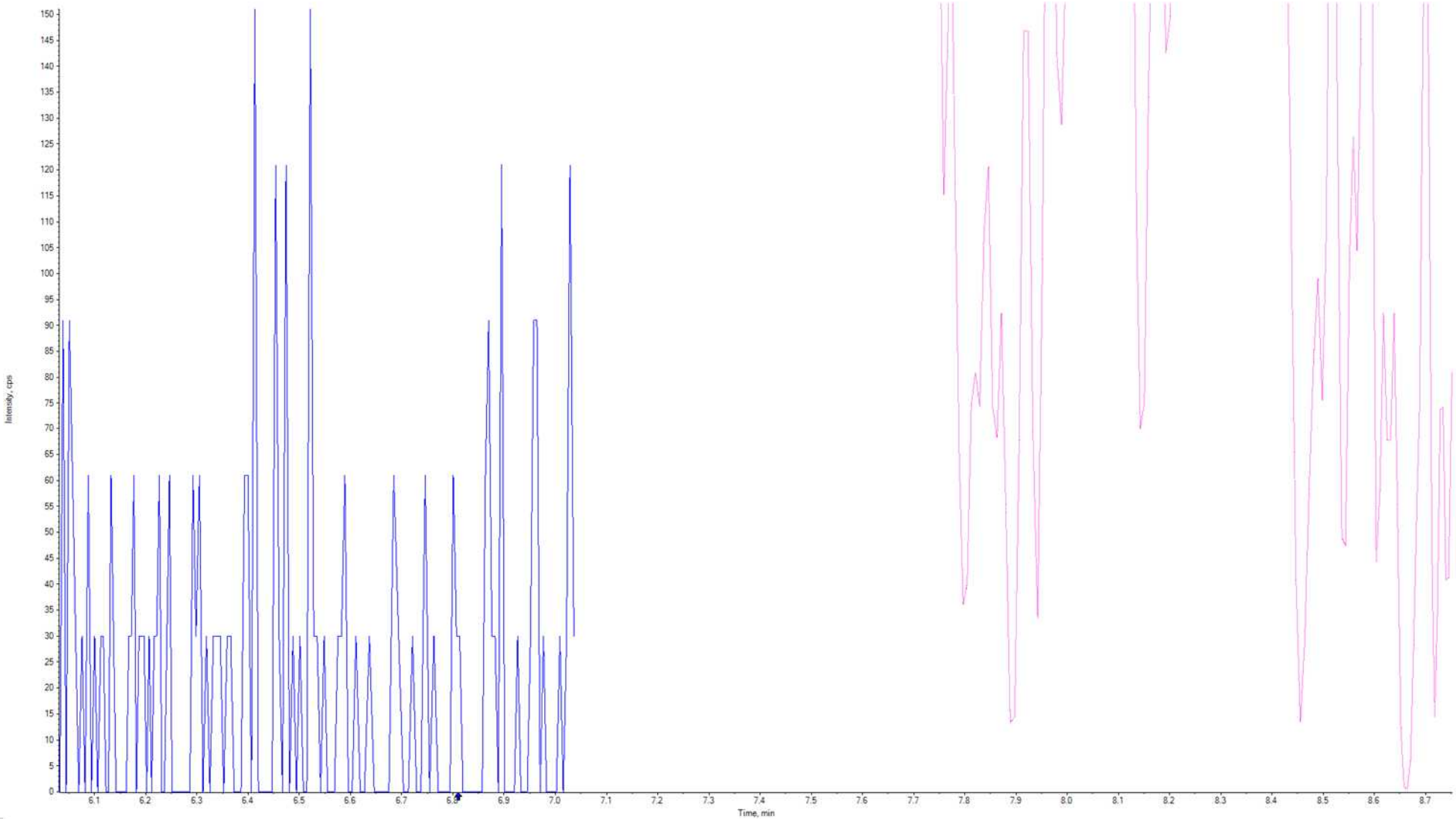
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-5 S/N:N/A Points Across peak:N/A



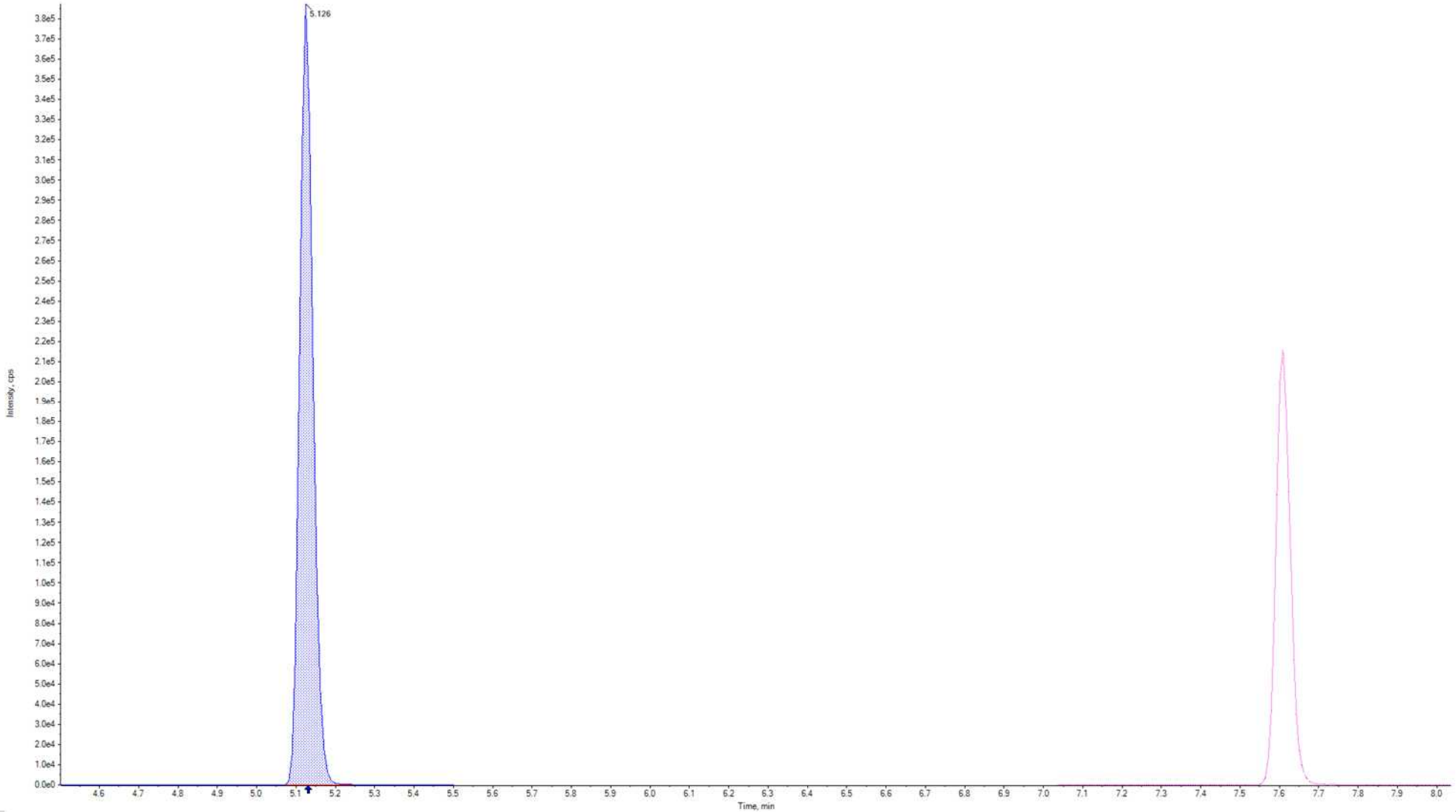
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-5 S/N:N/A Points Across peak:N/A



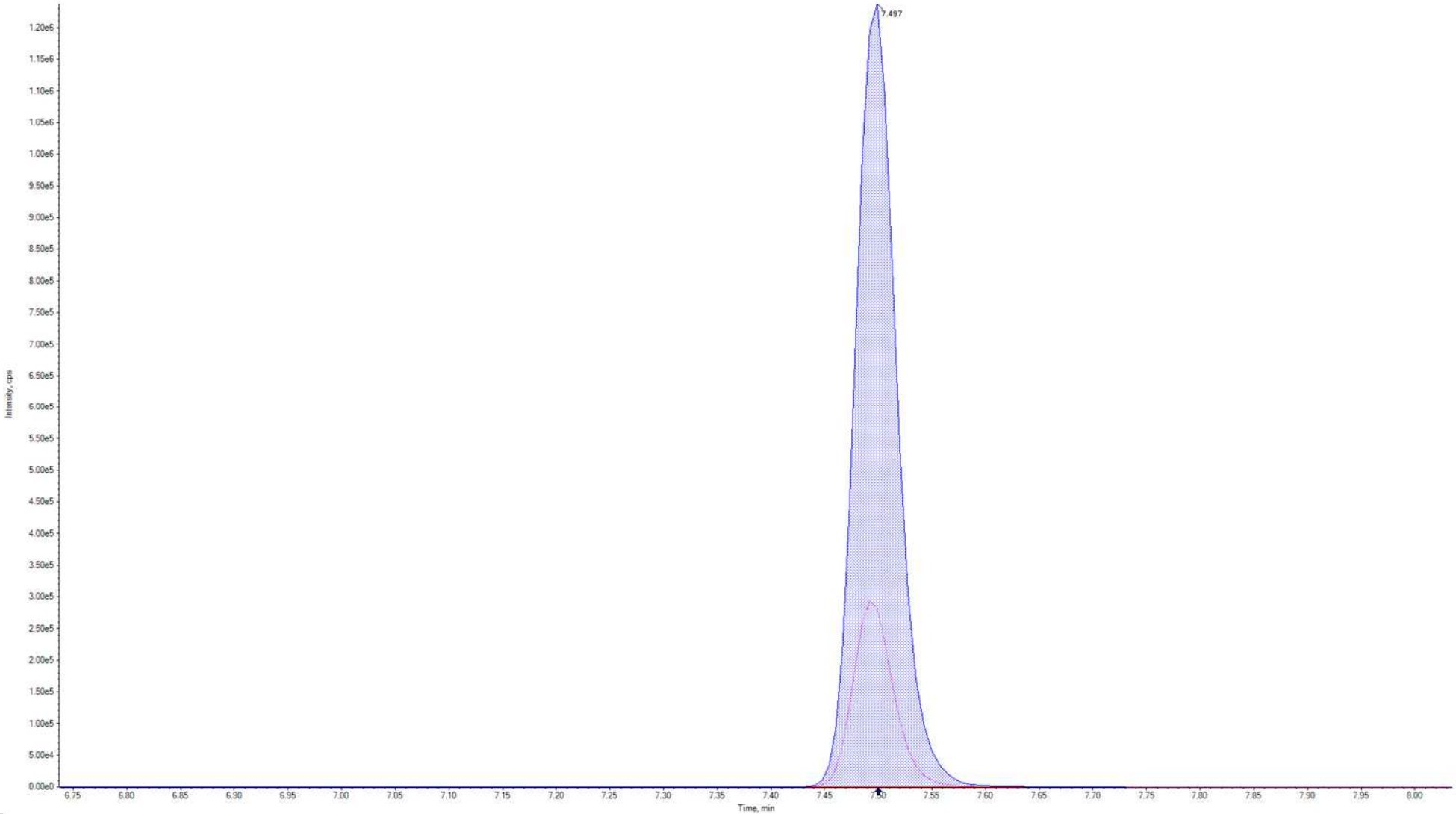
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-5 S/N:5794.2 Points Across peak:33

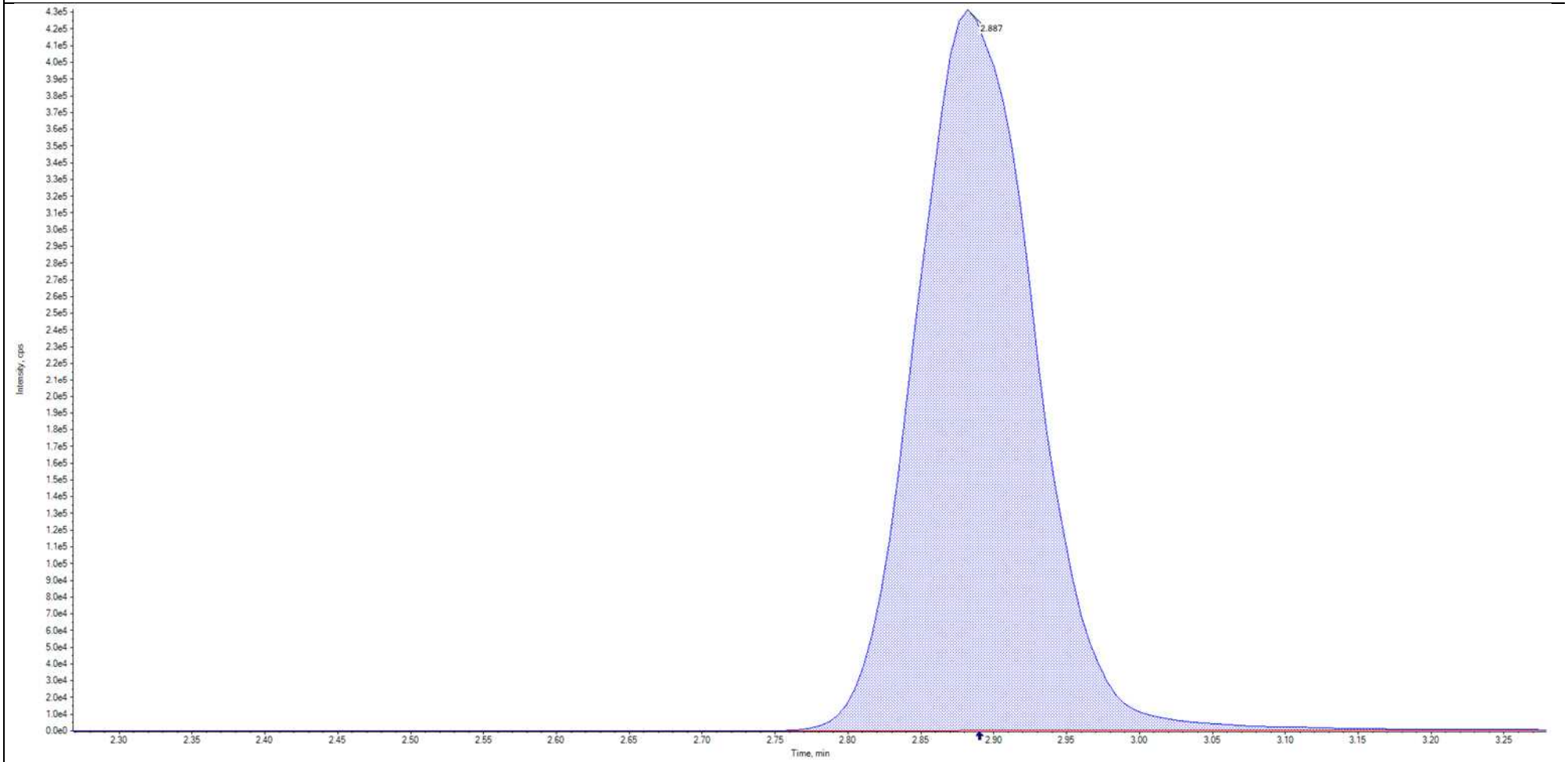


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

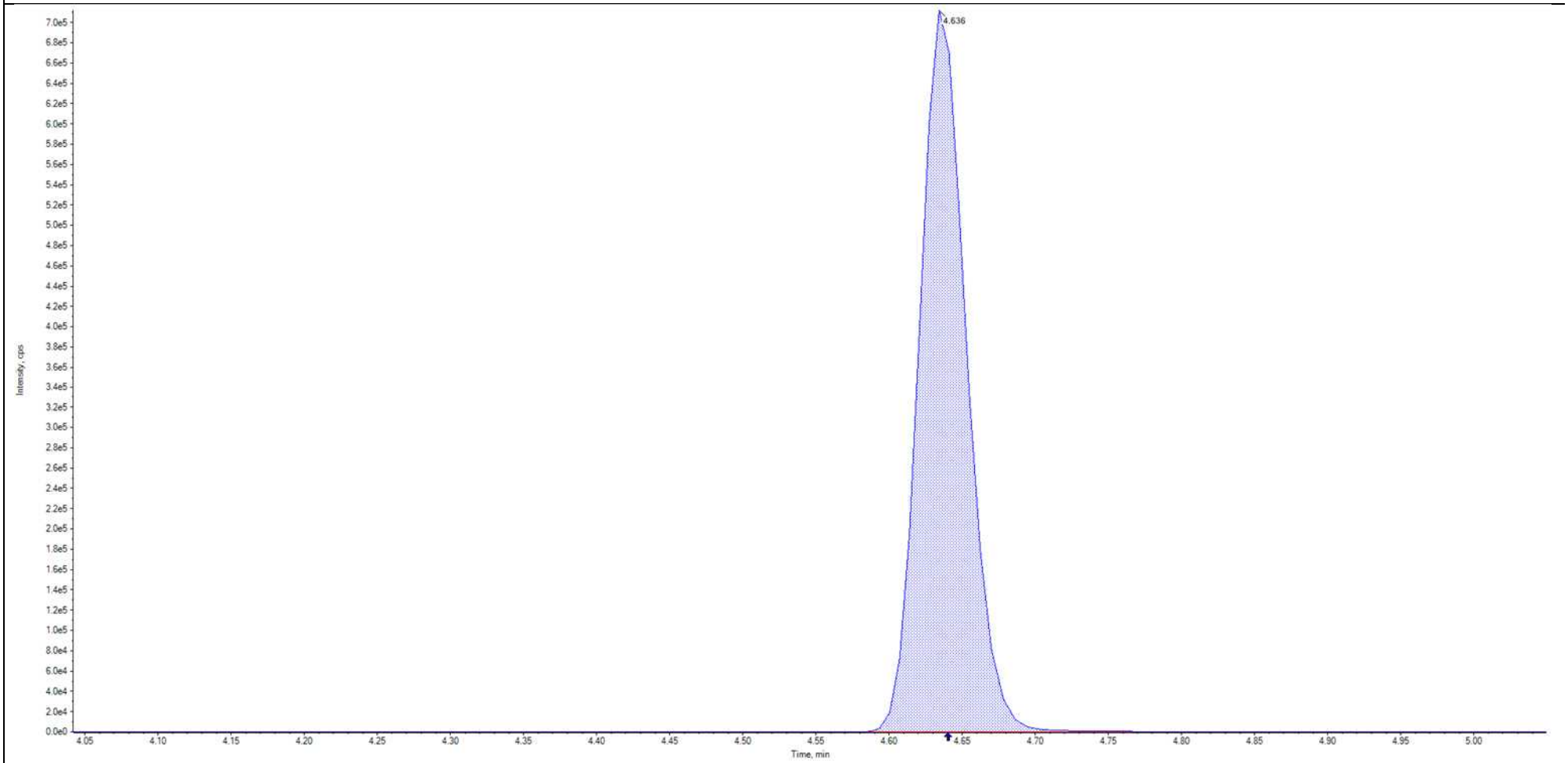
13C2-PFOA
Sample: IA1633STD-5 S/N:6630373.2 Points Across peak:40



13C4-PFBA
Sample: IA1633STD-5

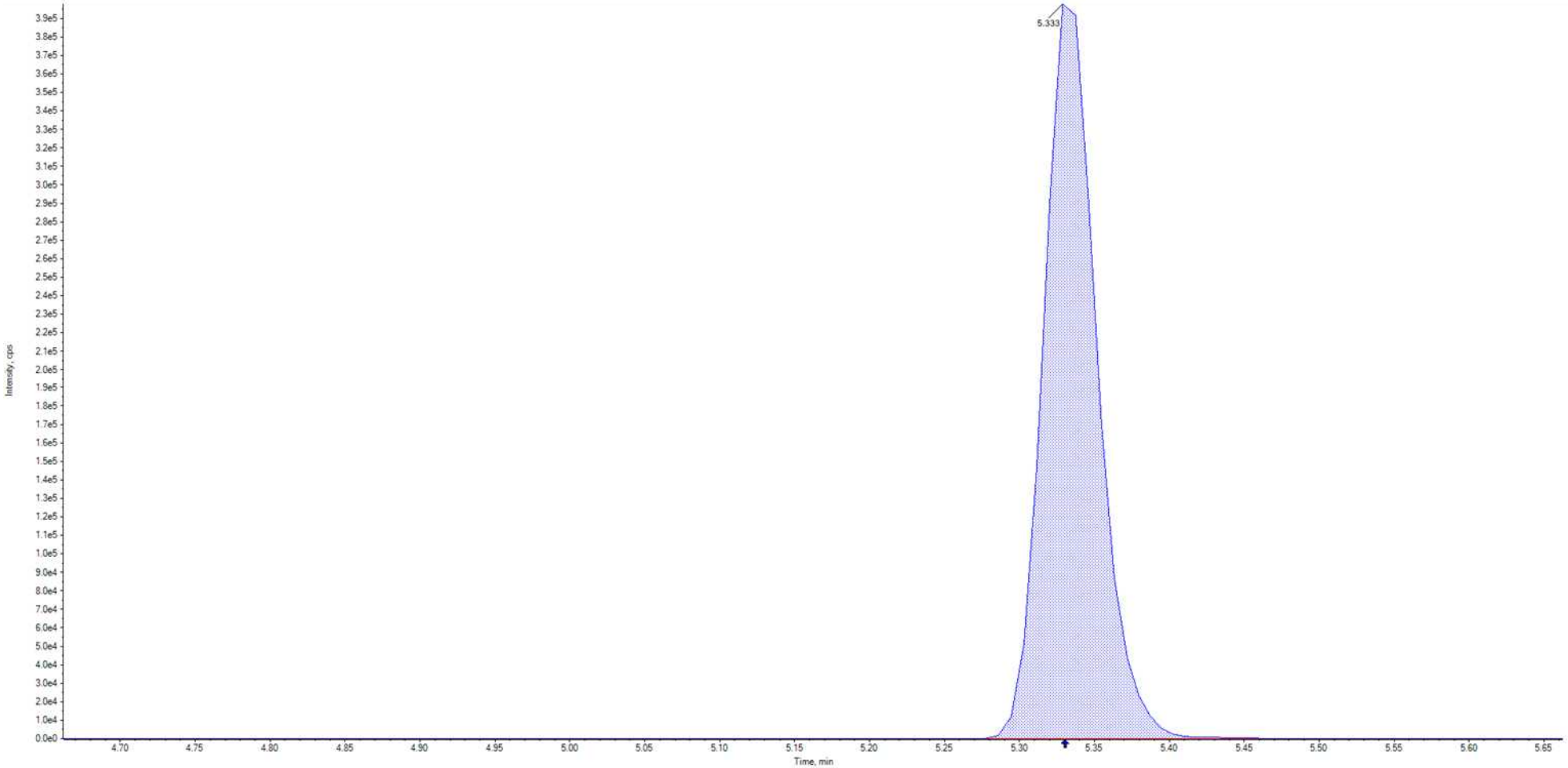


13C5-PFPeA
Sample: IA1633STD-5

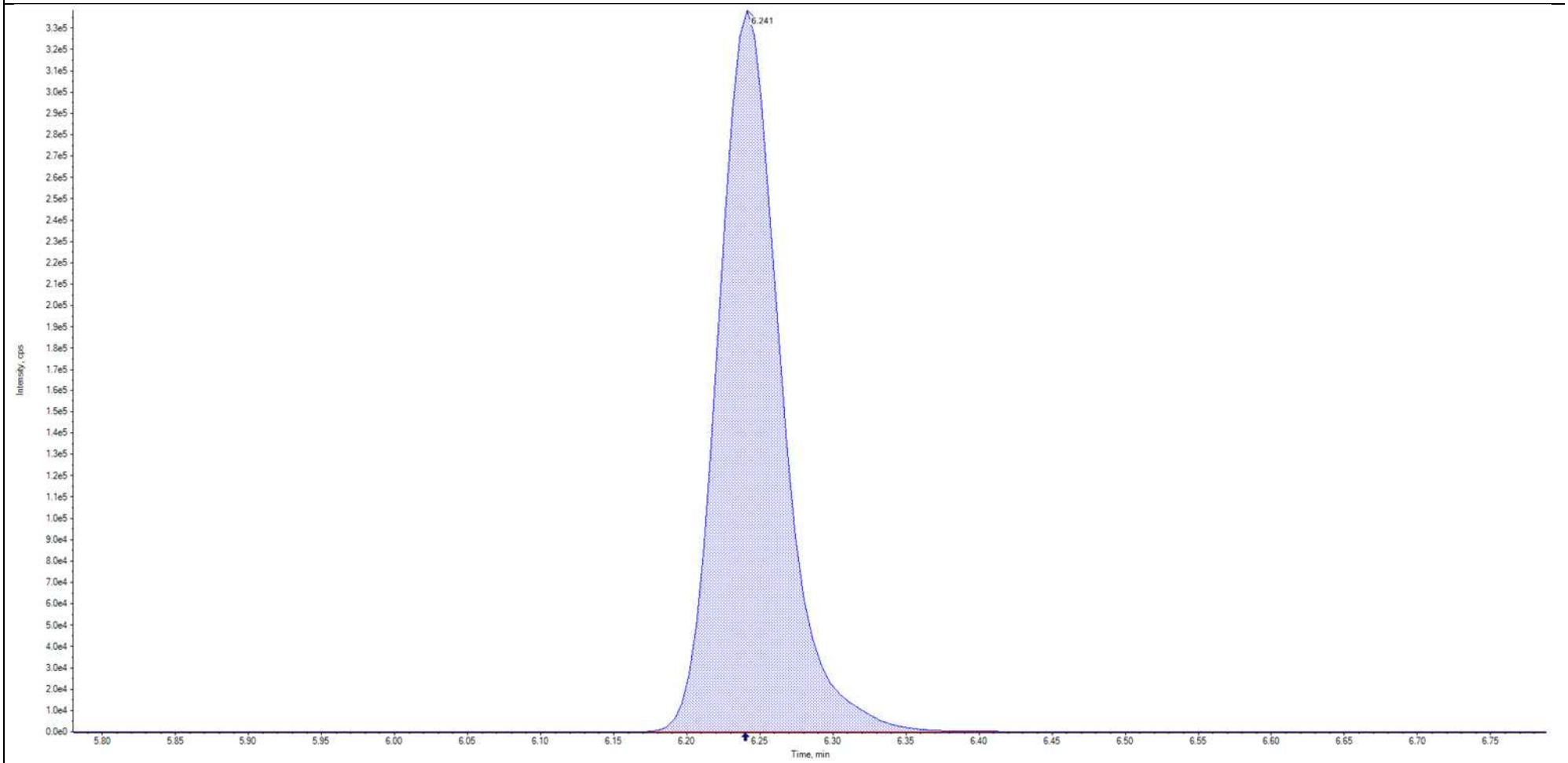


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_76.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

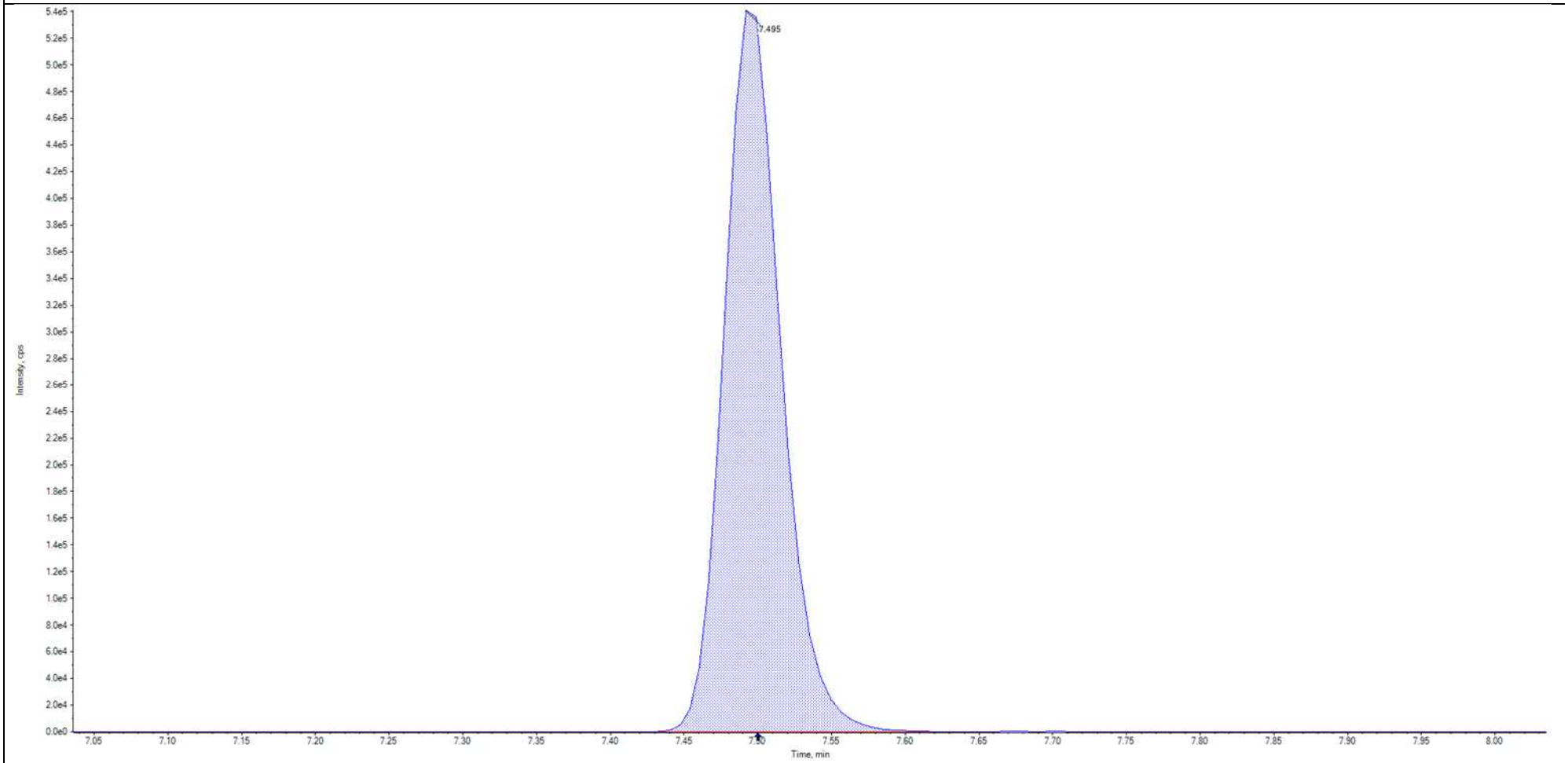
13C5-PFHxA
Sample: IA1633STD-5



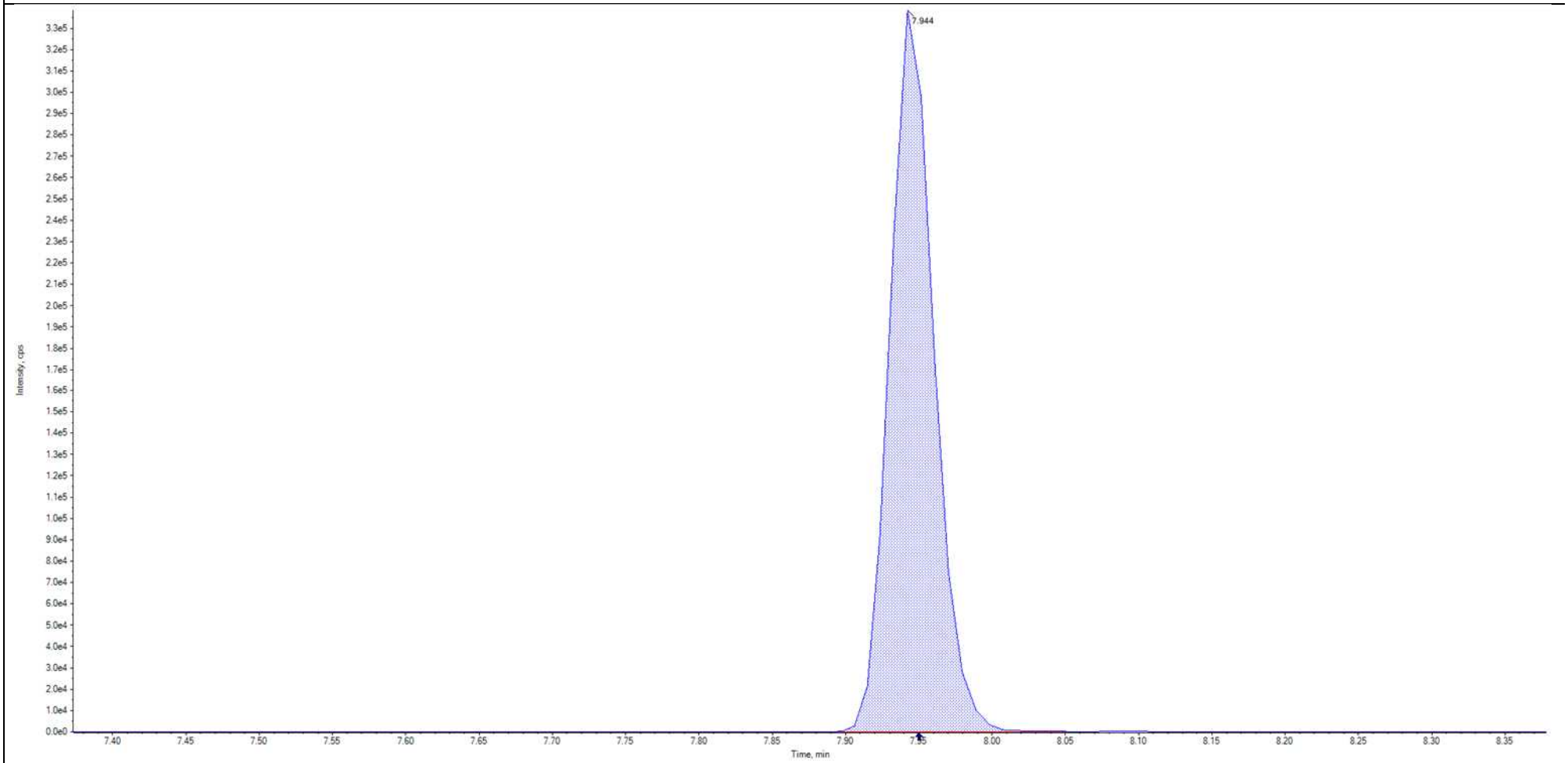
13C4-PFHpA
Sample: IA1633STD-5



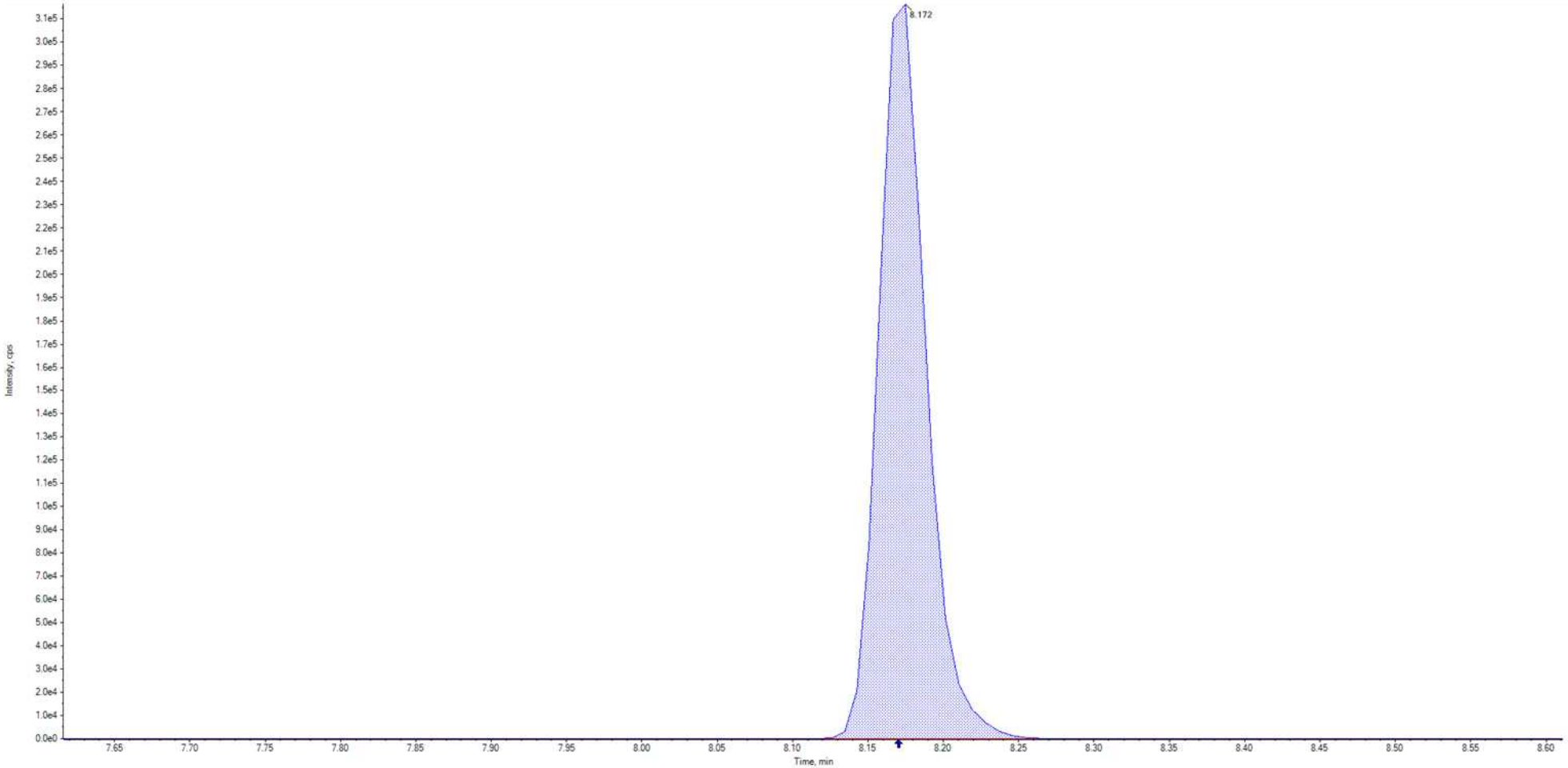
13C8-PFOA
Sample: IA1633STD-5



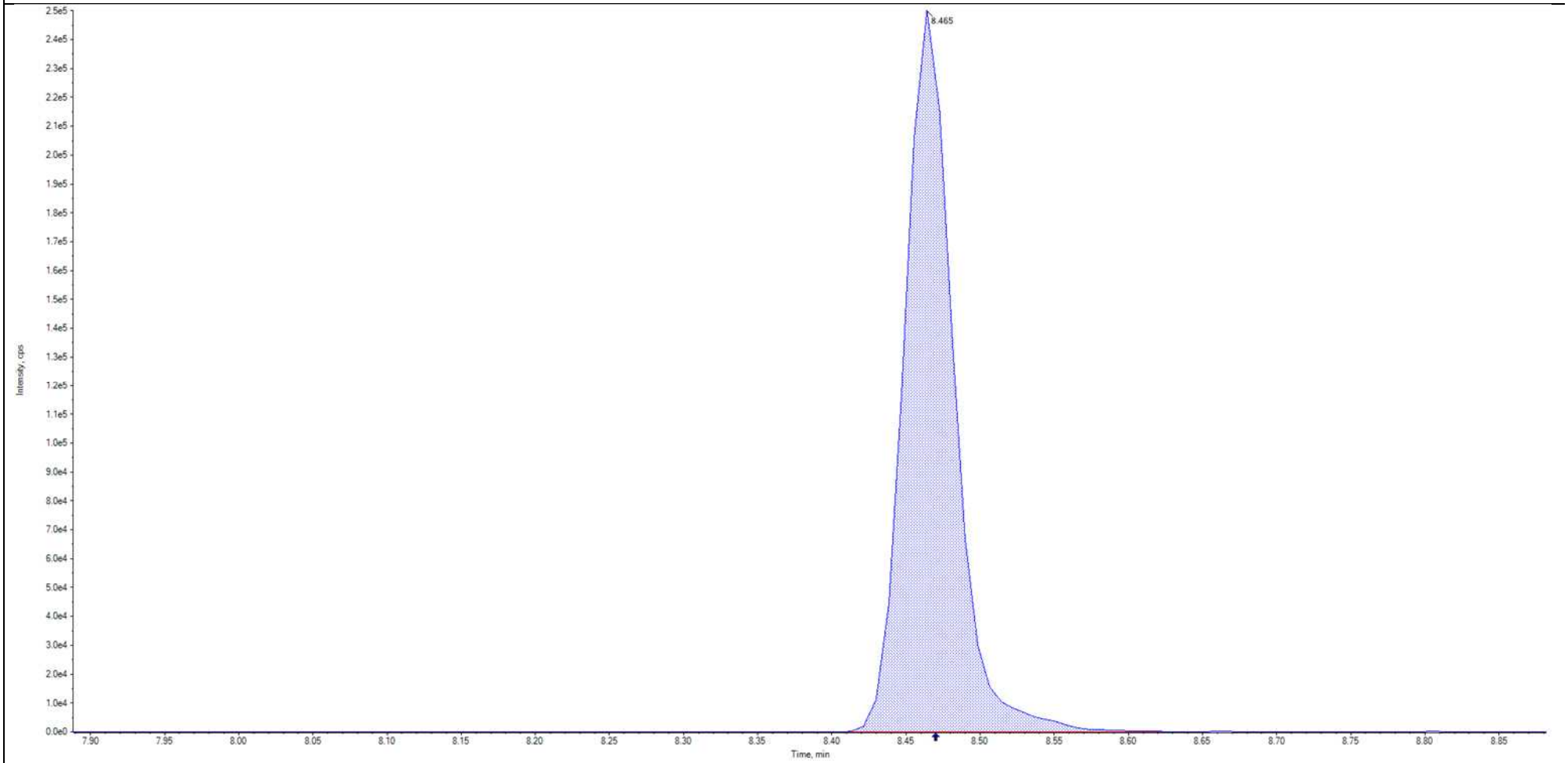
13C9-PFNA
Sample: IA1633STD-5



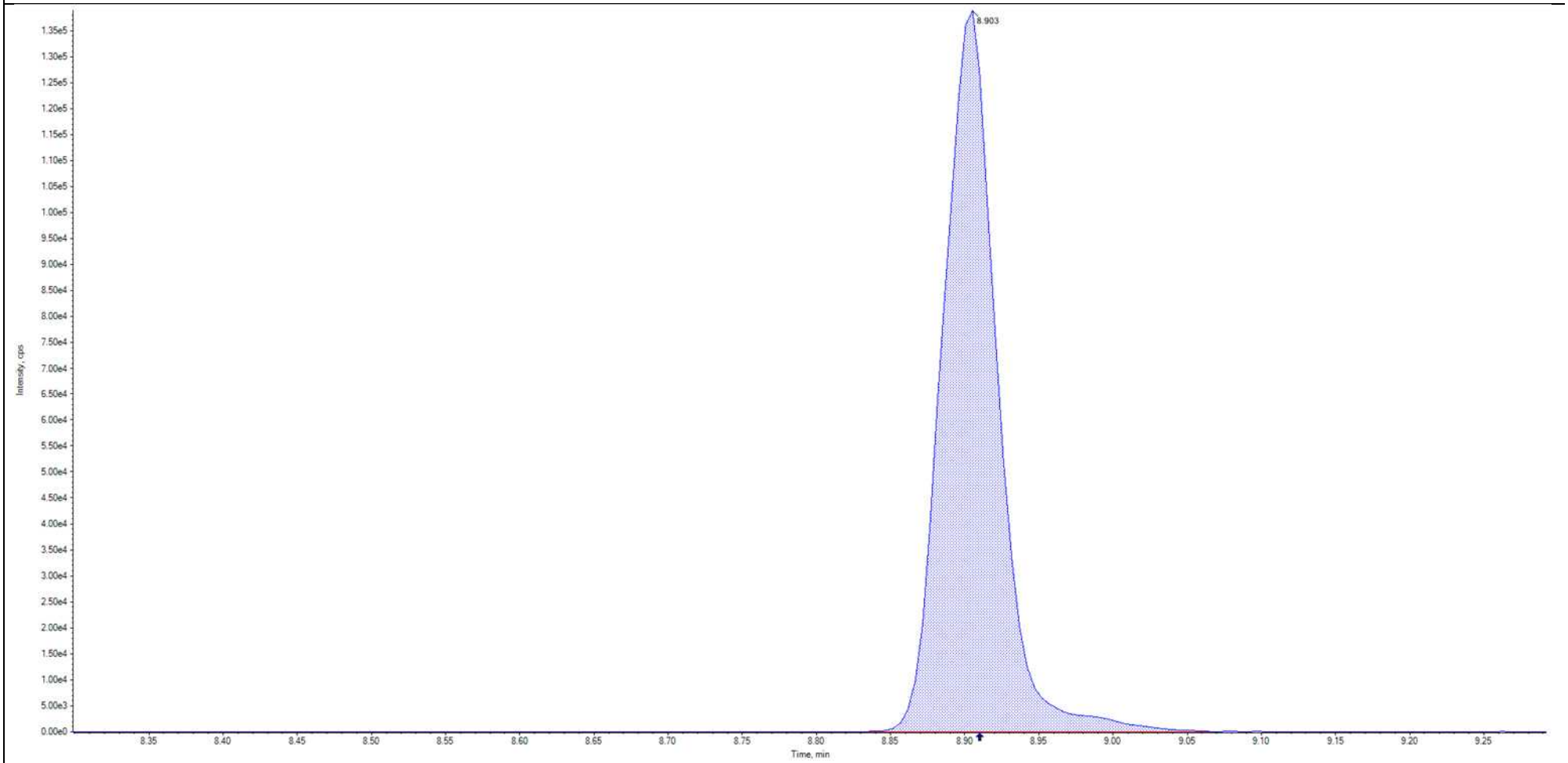
13C6-PFDA
Sample: IA1633STD-5



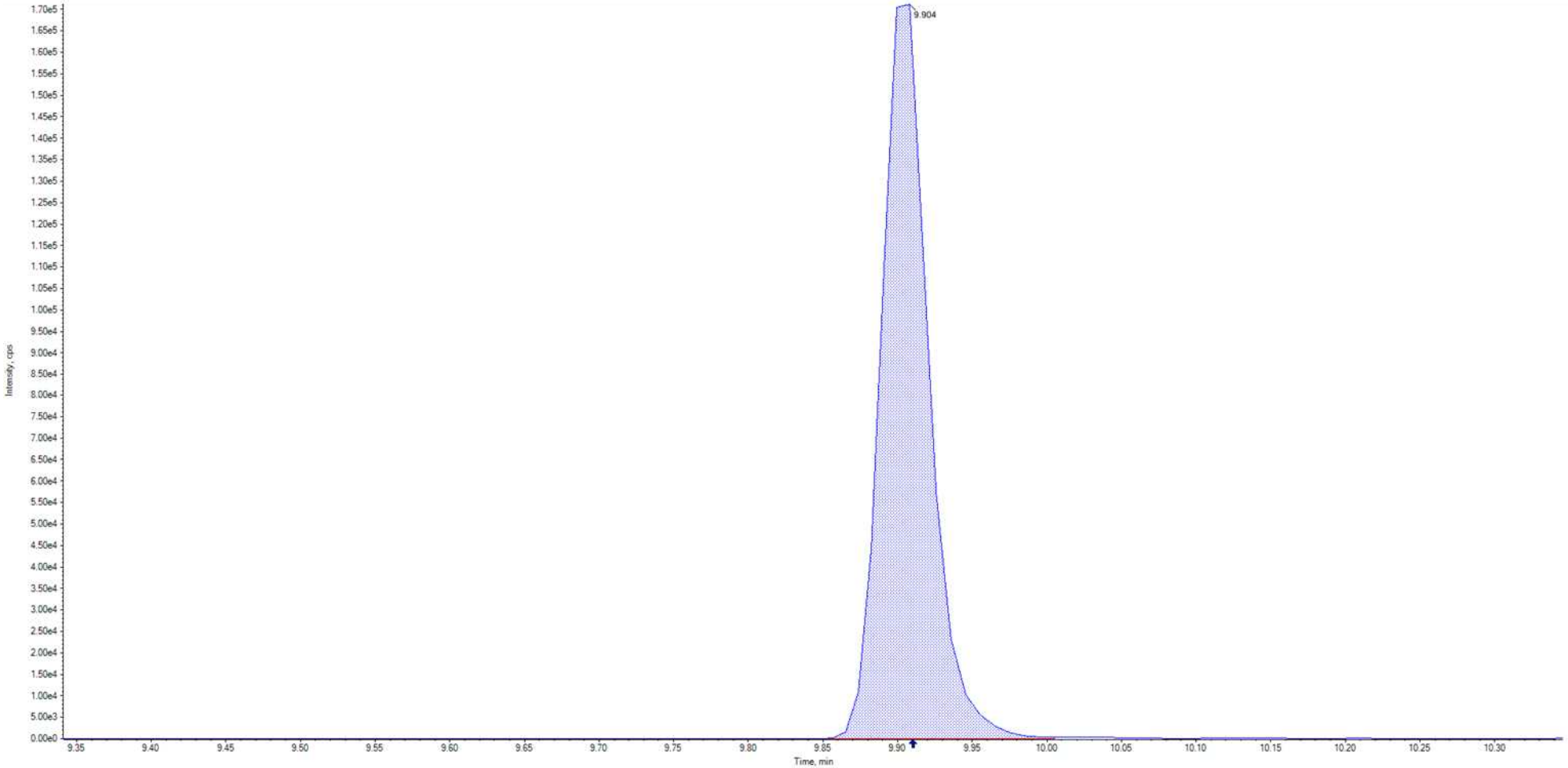
13C7-PFUnA
Sample: IA1633STD-5



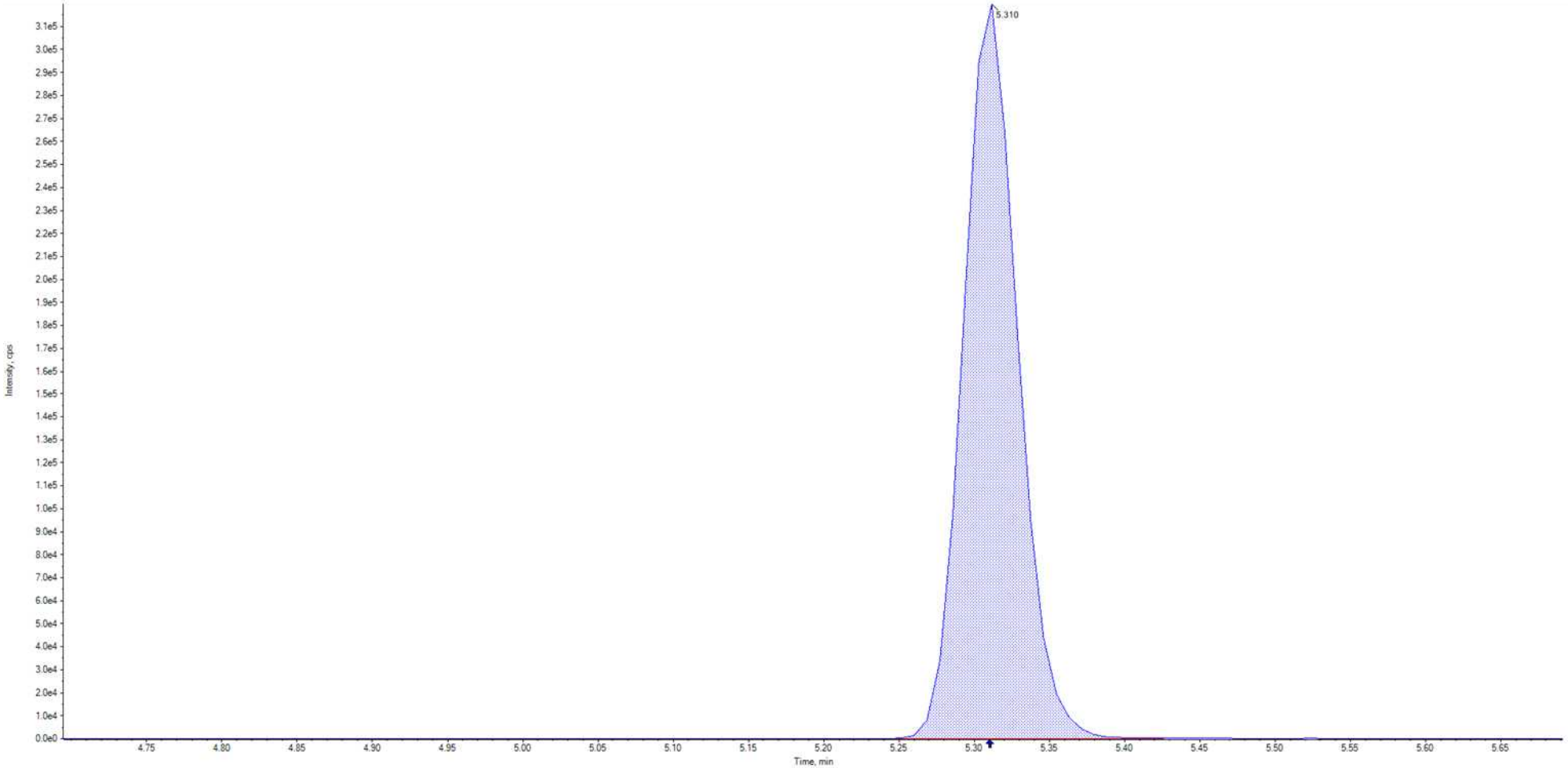
13C2-PFDoA
Sample: IA1633STD-5



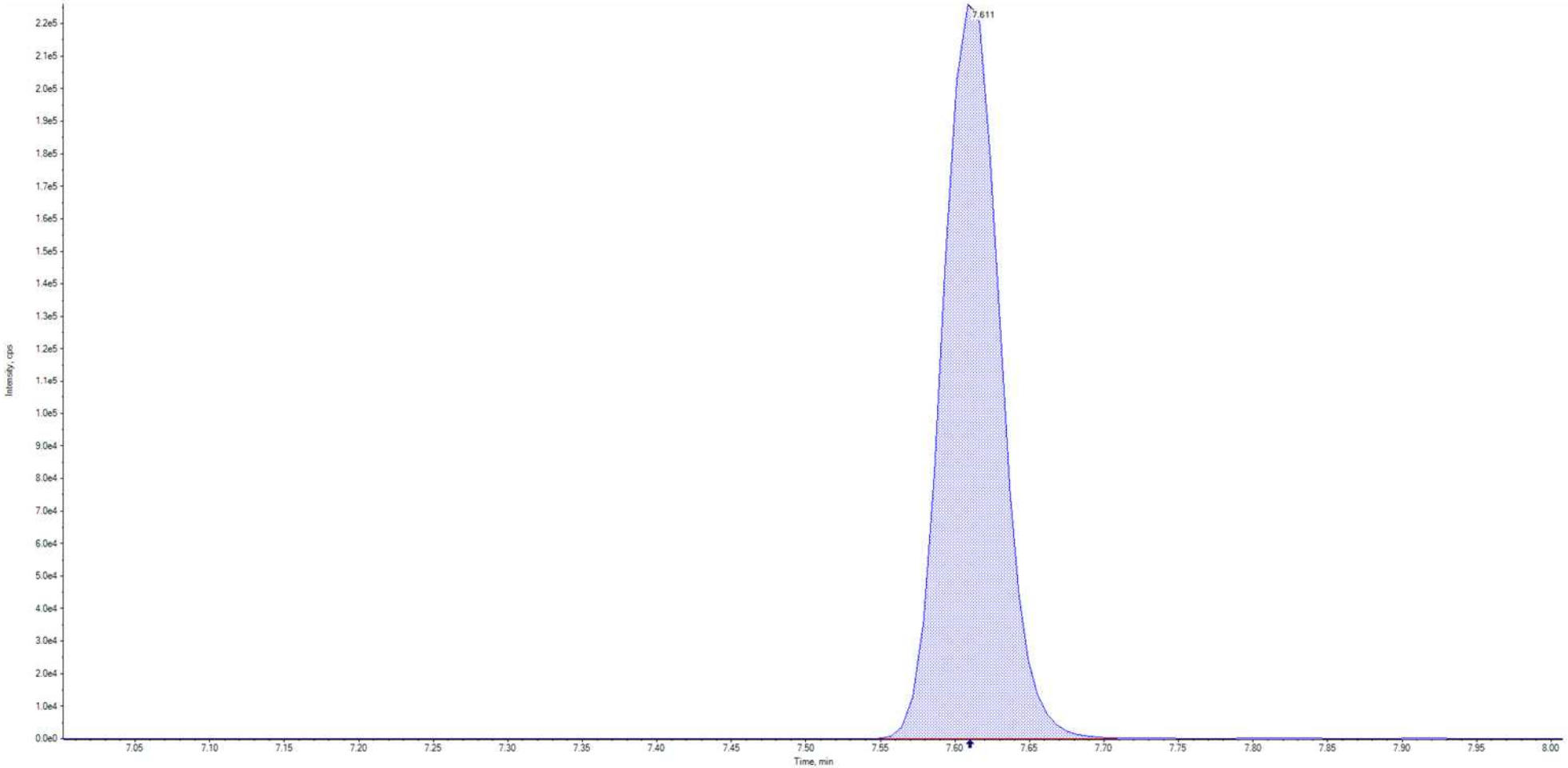
13C2-PFTeDA
Sample: IA1633STD-5



13C3-PFBS
Sample: IA1633STD-5



13C3-PFHxS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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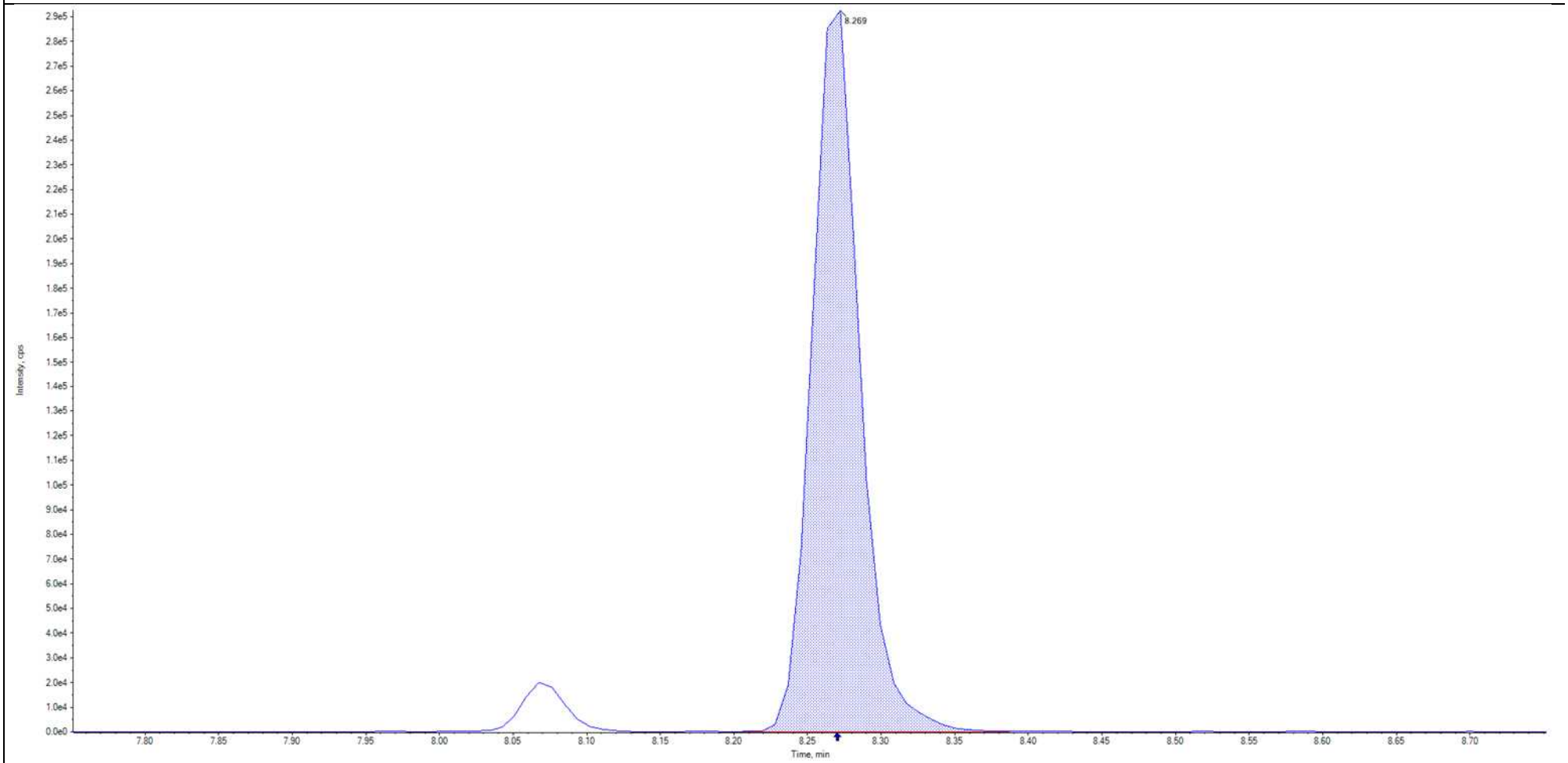
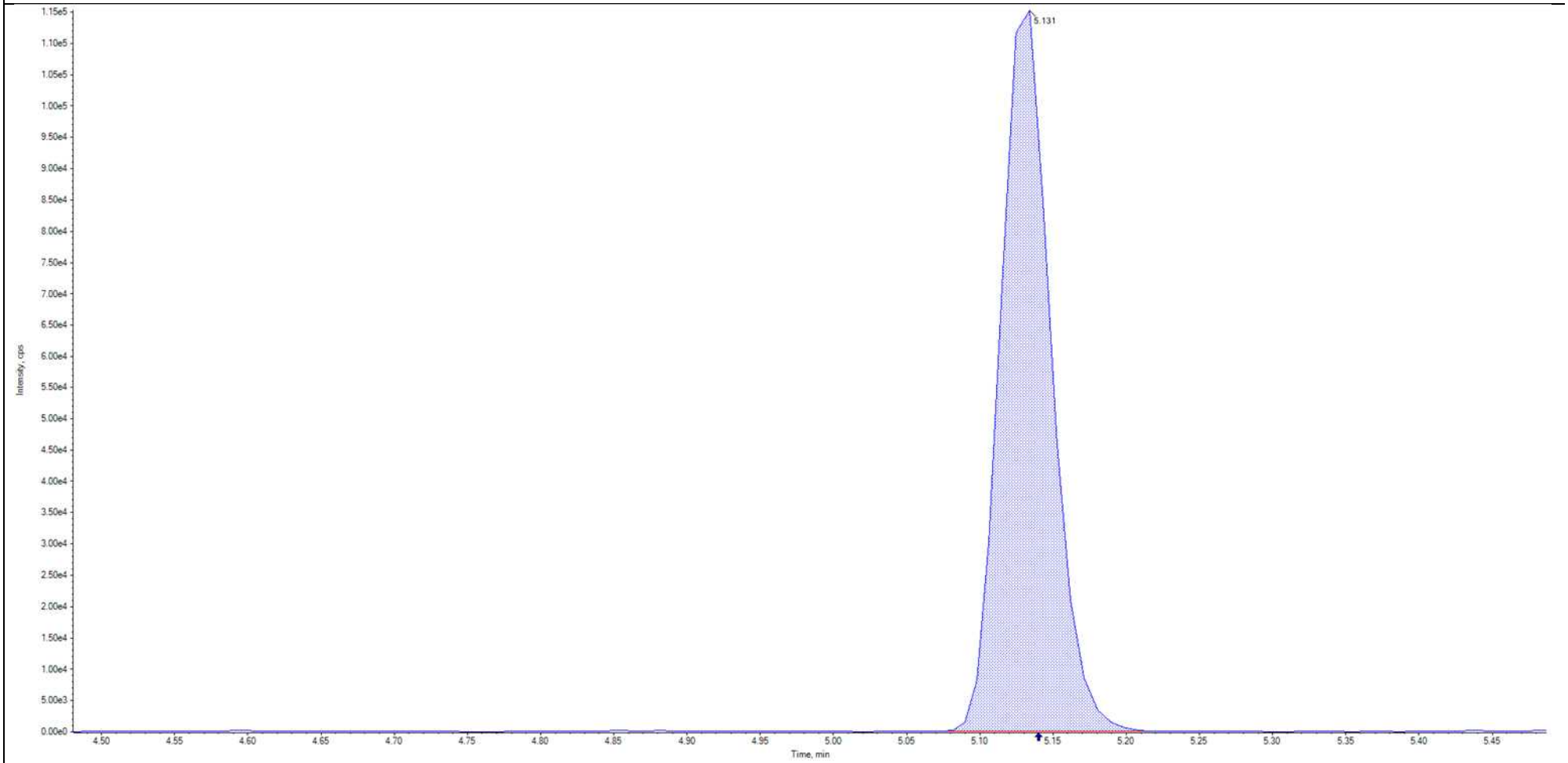
Generated: 8/14/2024 6:27:11 AM

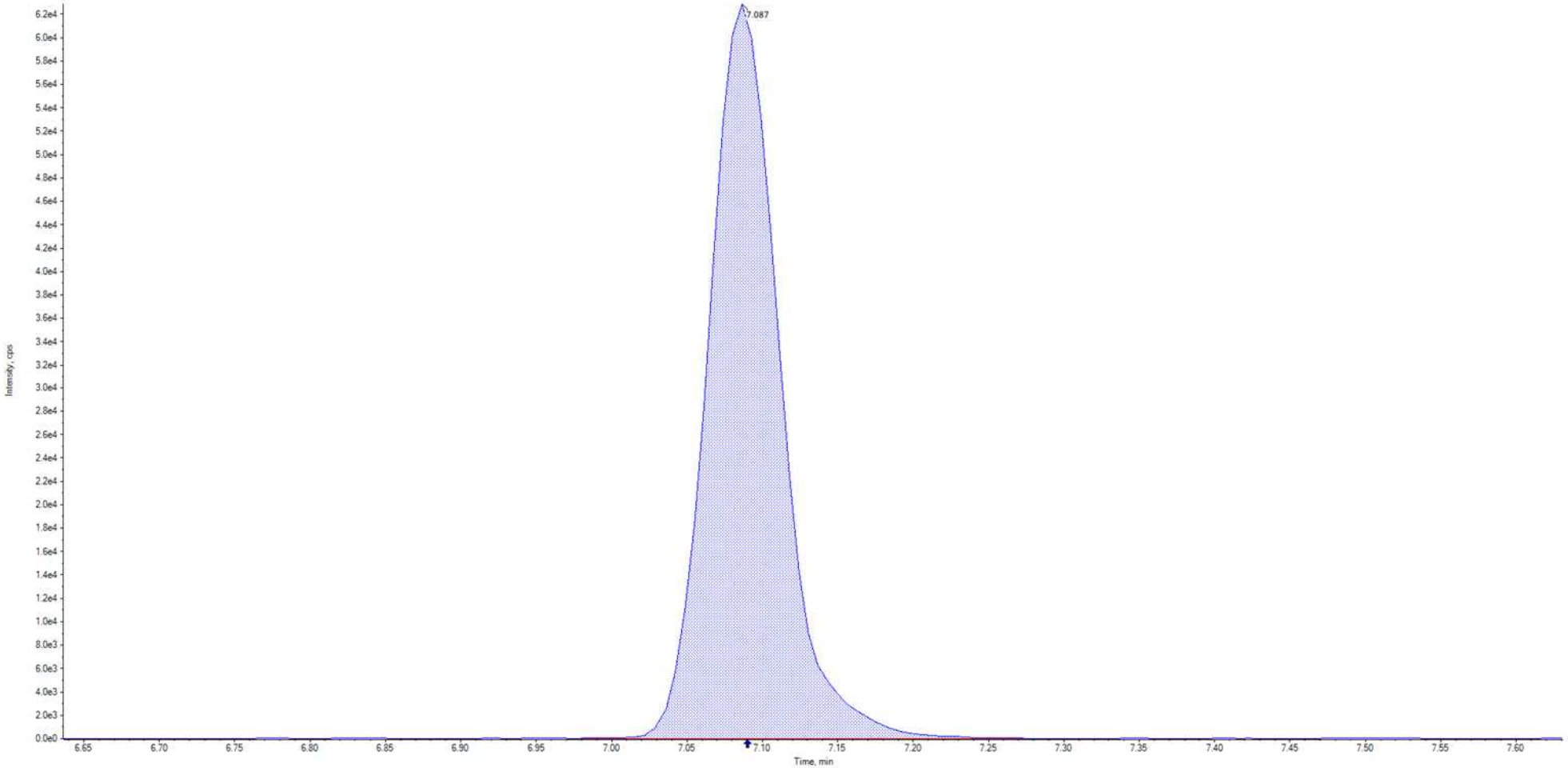
13C8-PFOS
Sample: IA1633STD-5



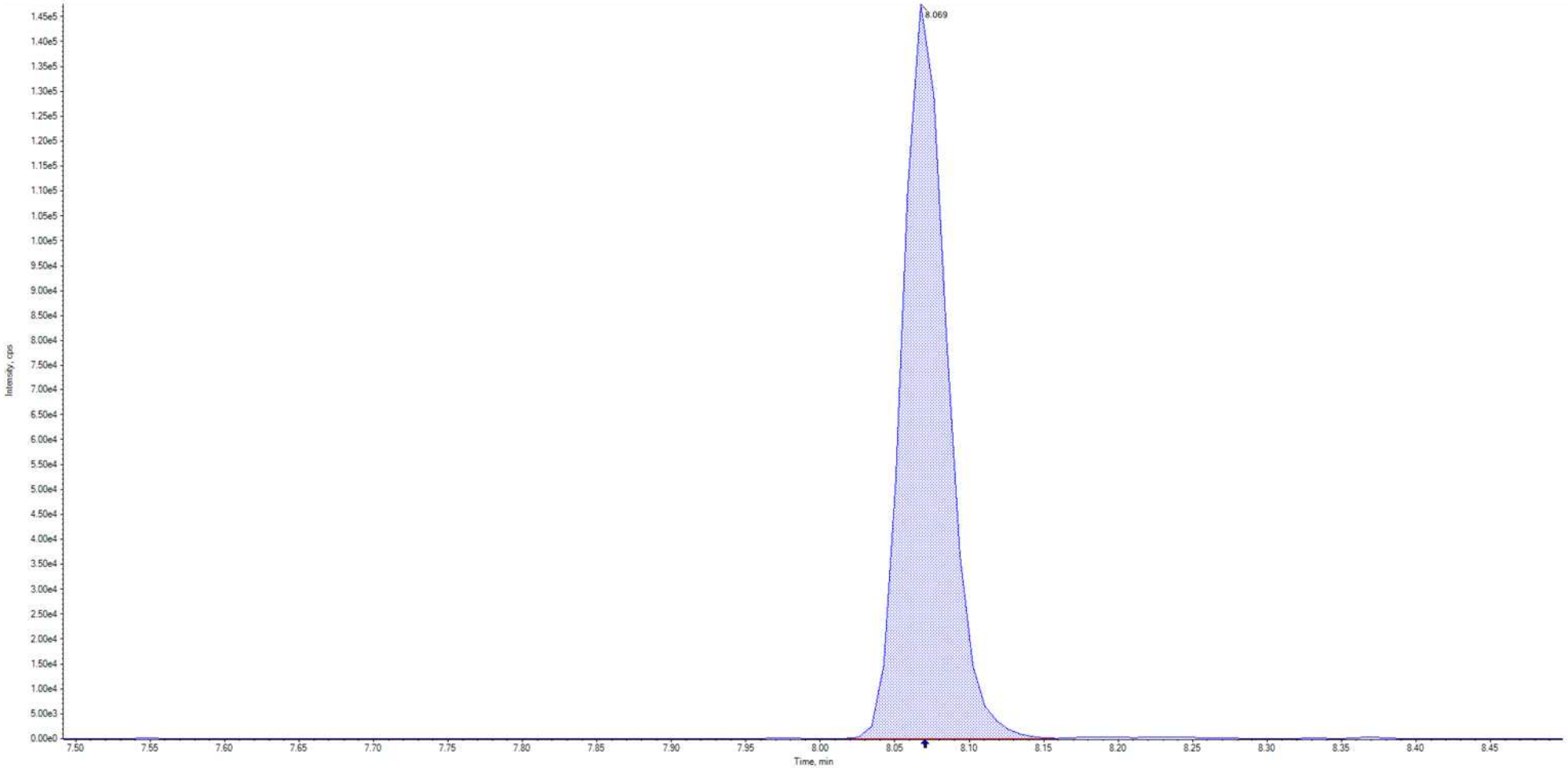
13C2-4:2FTS
Sample: IA1633STD-5



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



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



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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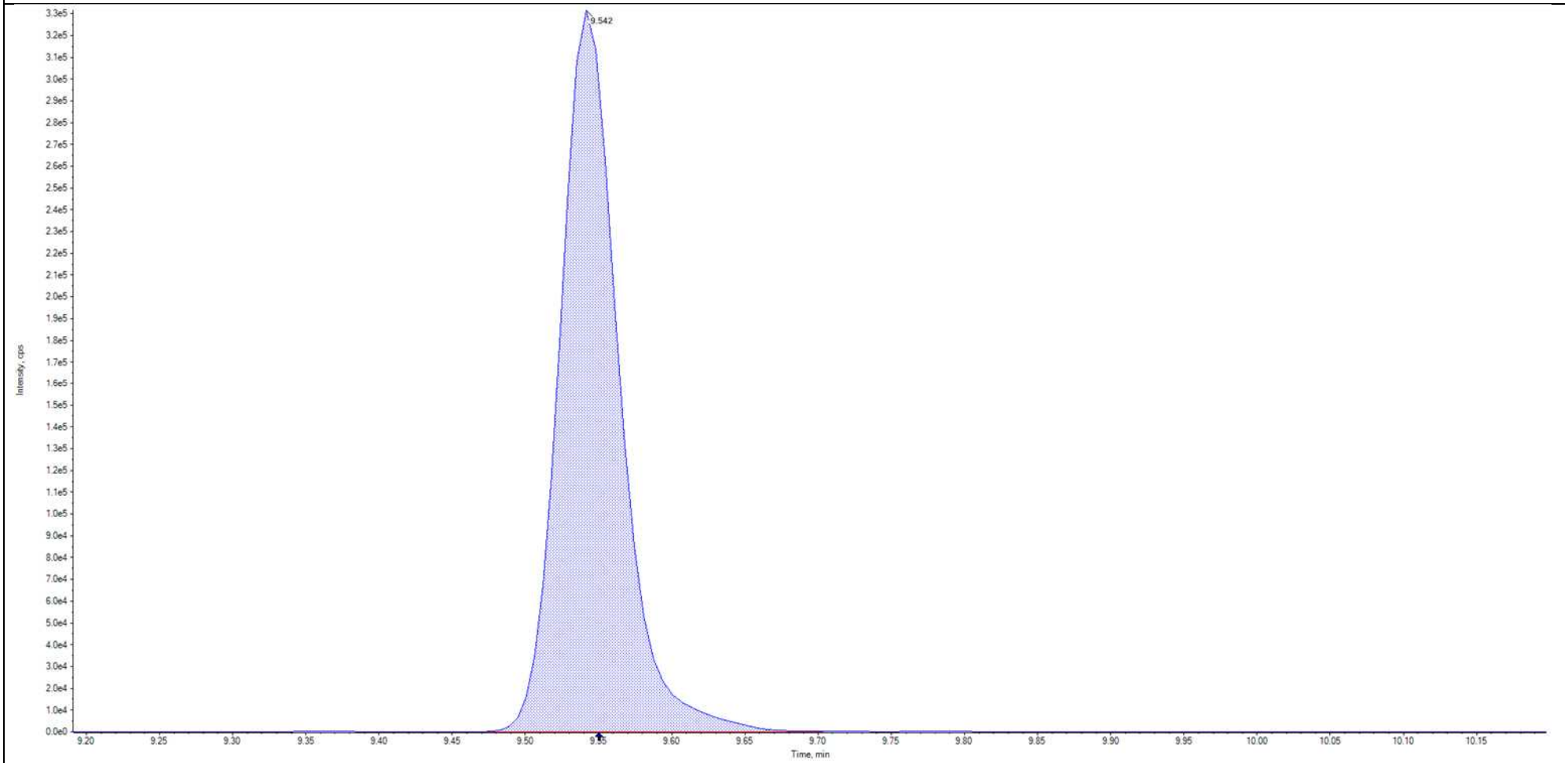
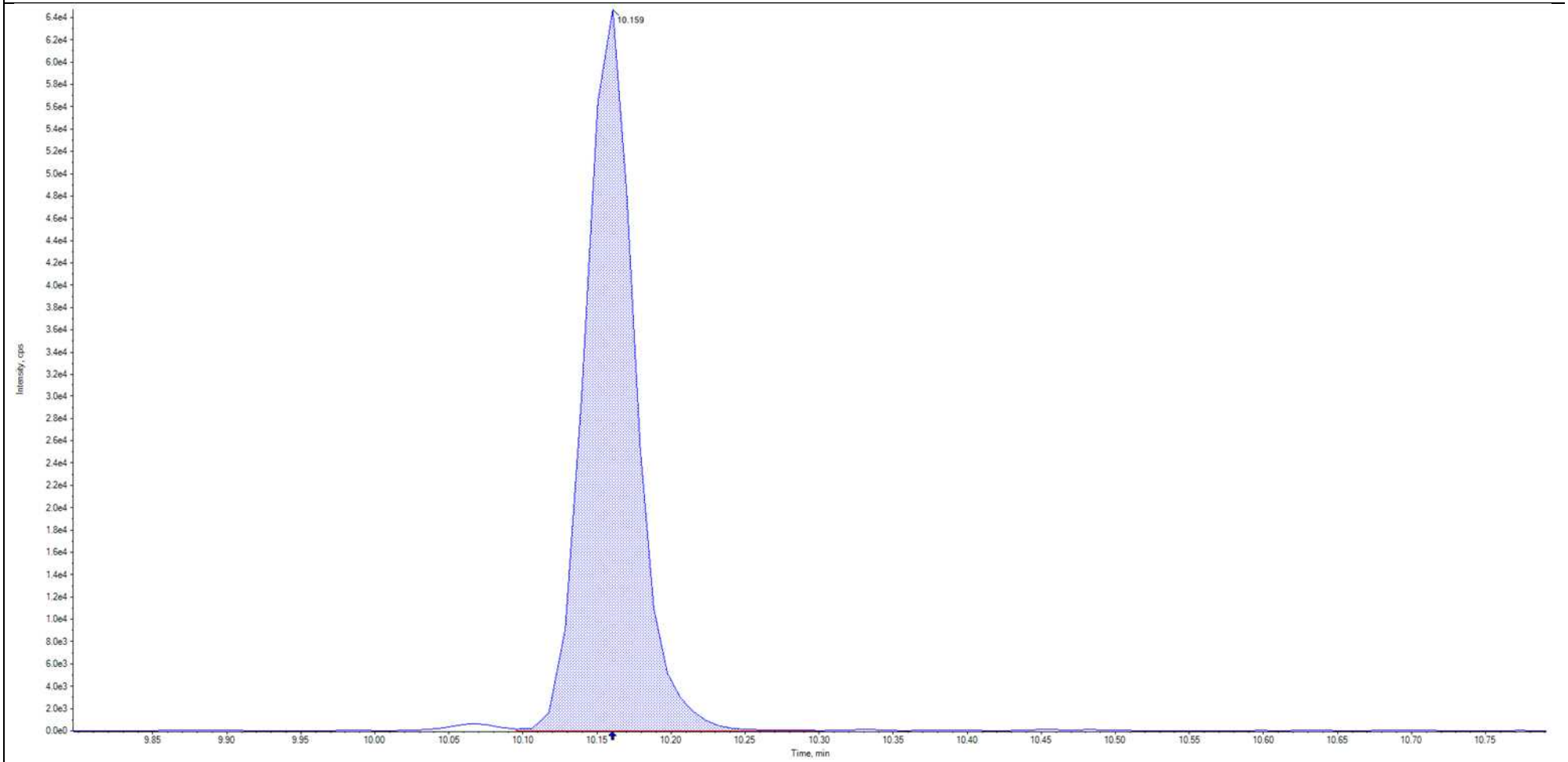
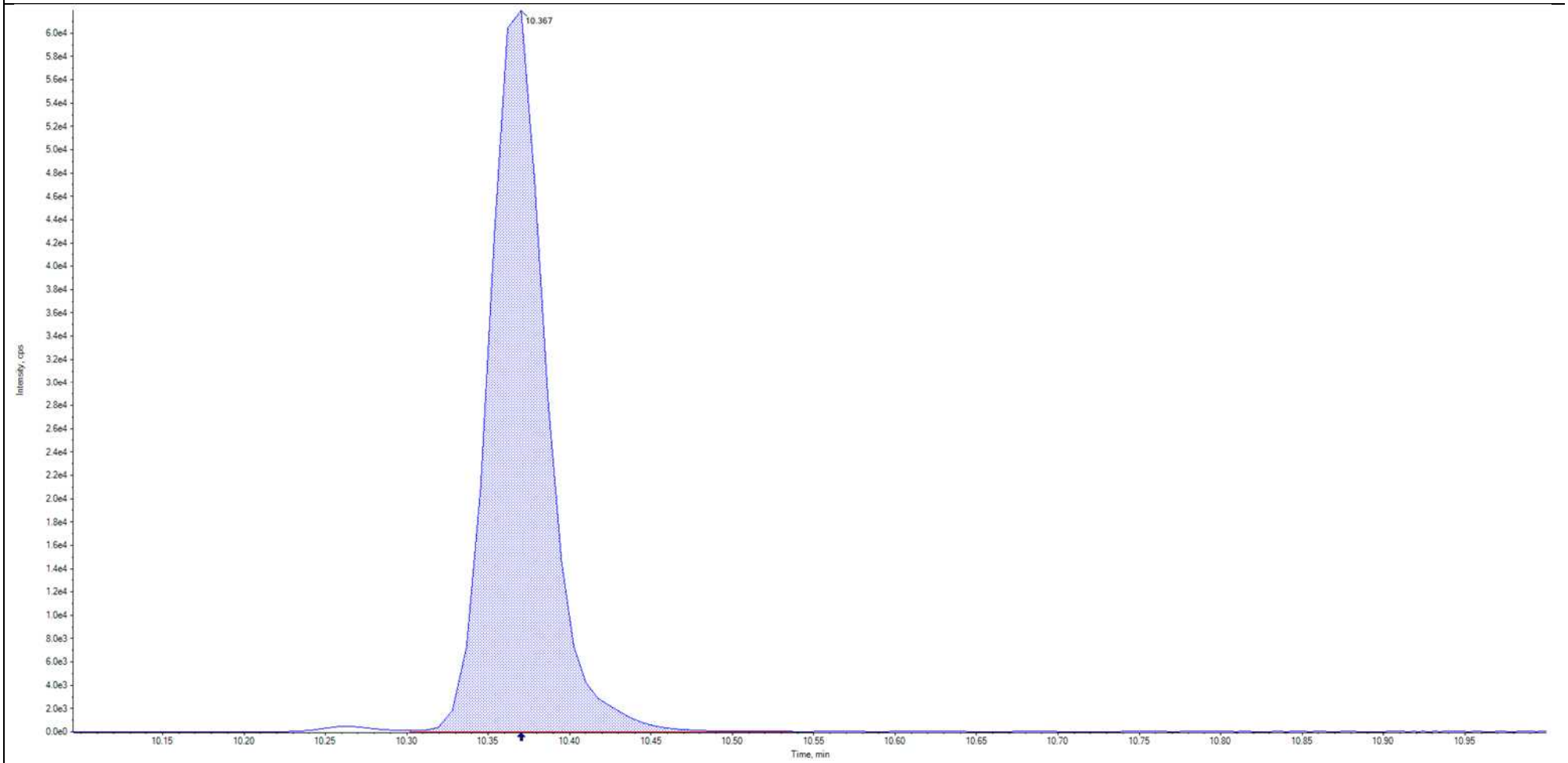
13C8-PFOSA
Sample: IA1633STD-5



d3-NMeFOSA
Sample: IA1633STD-5



d5-NEtFOSA
Sample: IA1633STD-5



d3-NMeFOSAA
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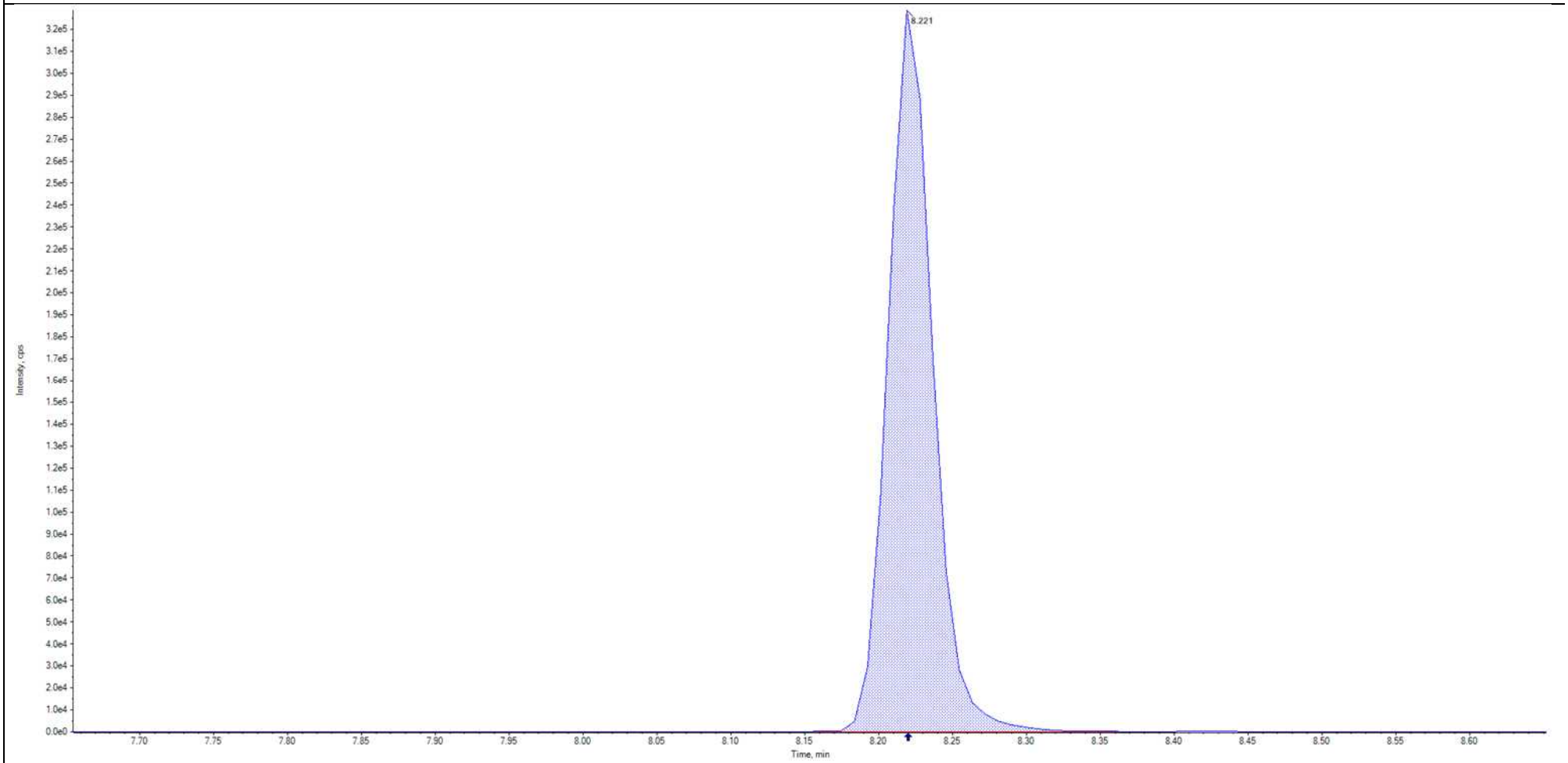
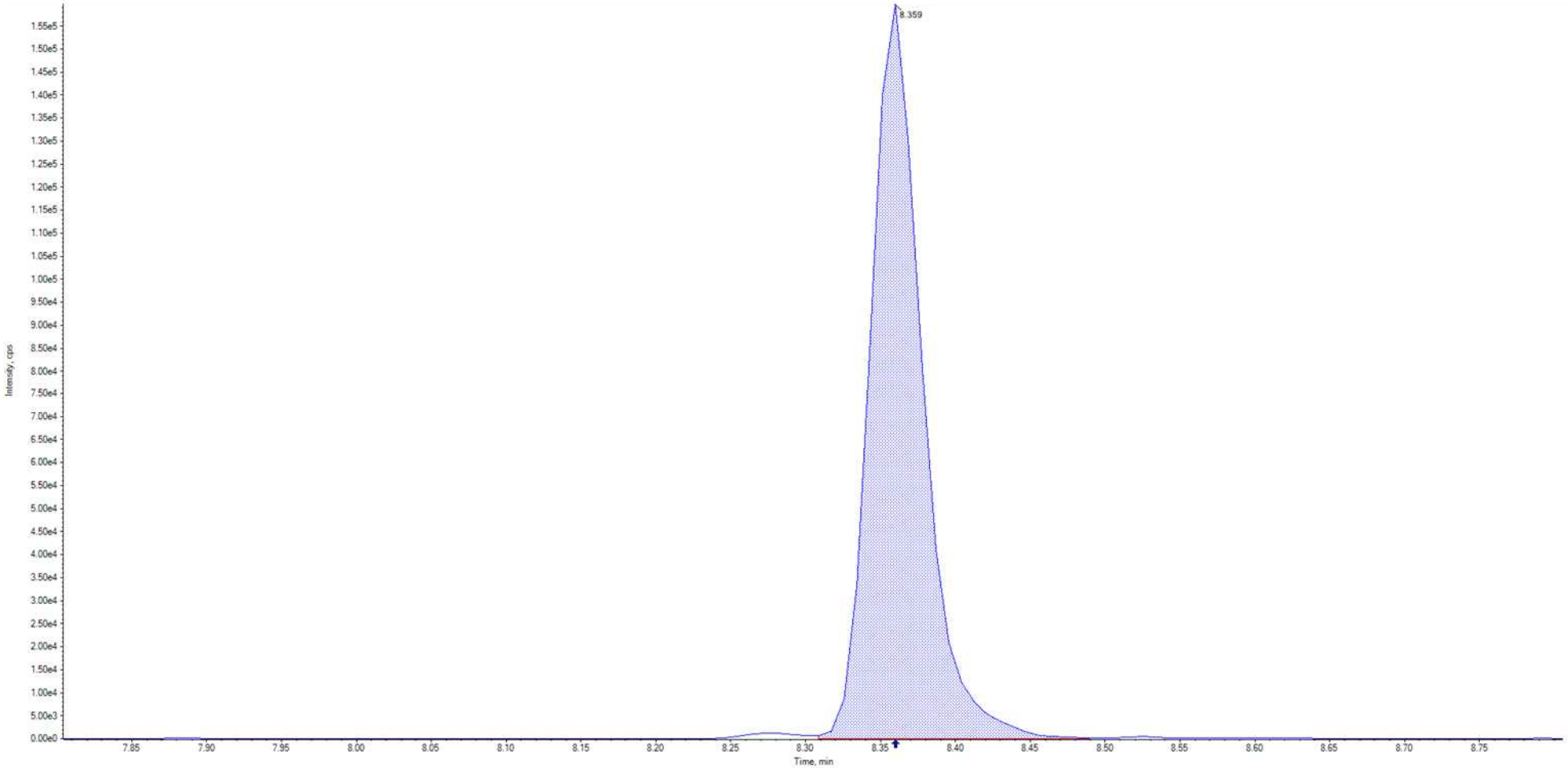
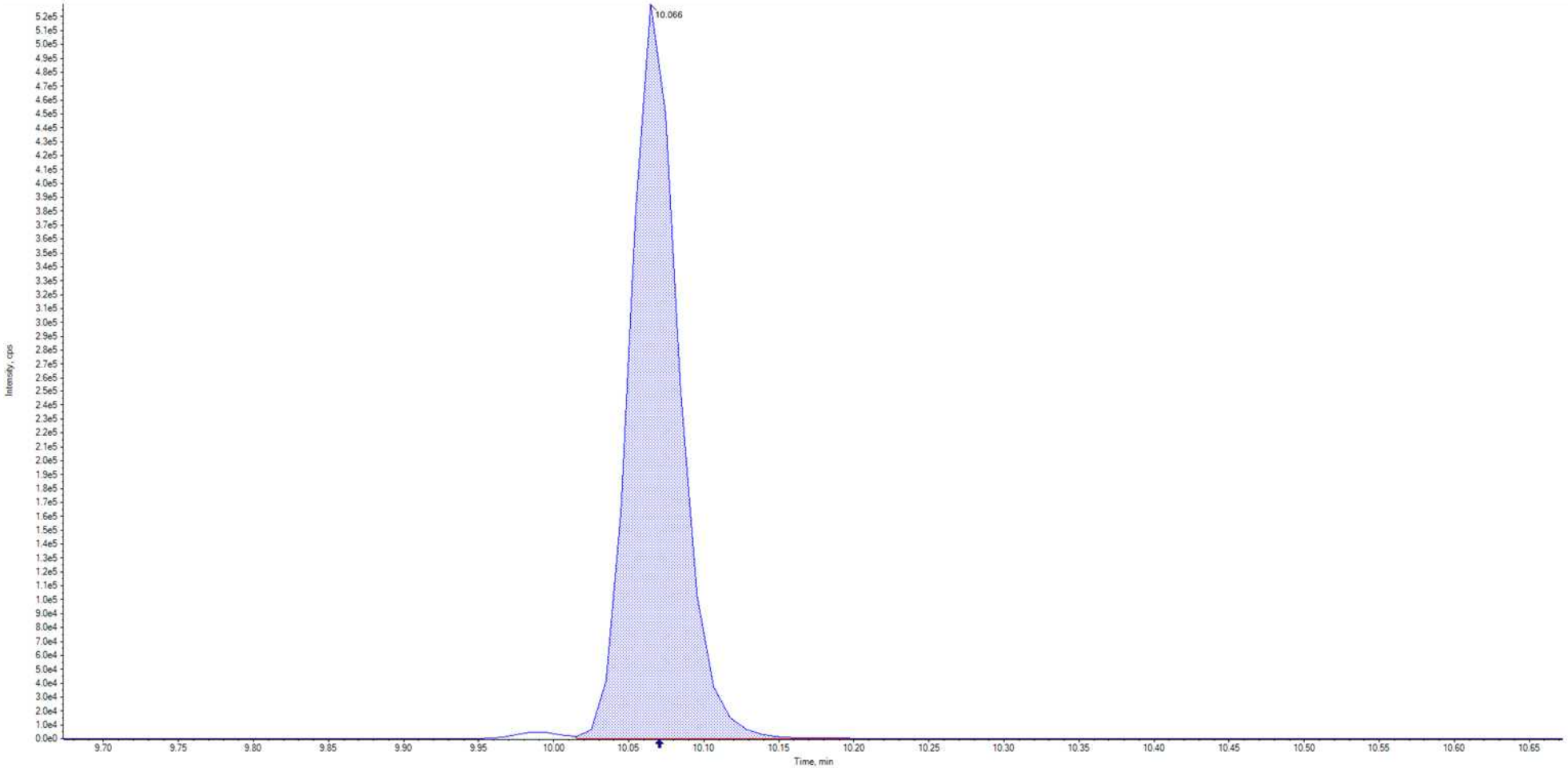


d5-NEtFOSAA
Sample: IA1633STD-5



d7-NMeFOSE
Sample: IA1633STD-5



d9-NEtFOSE
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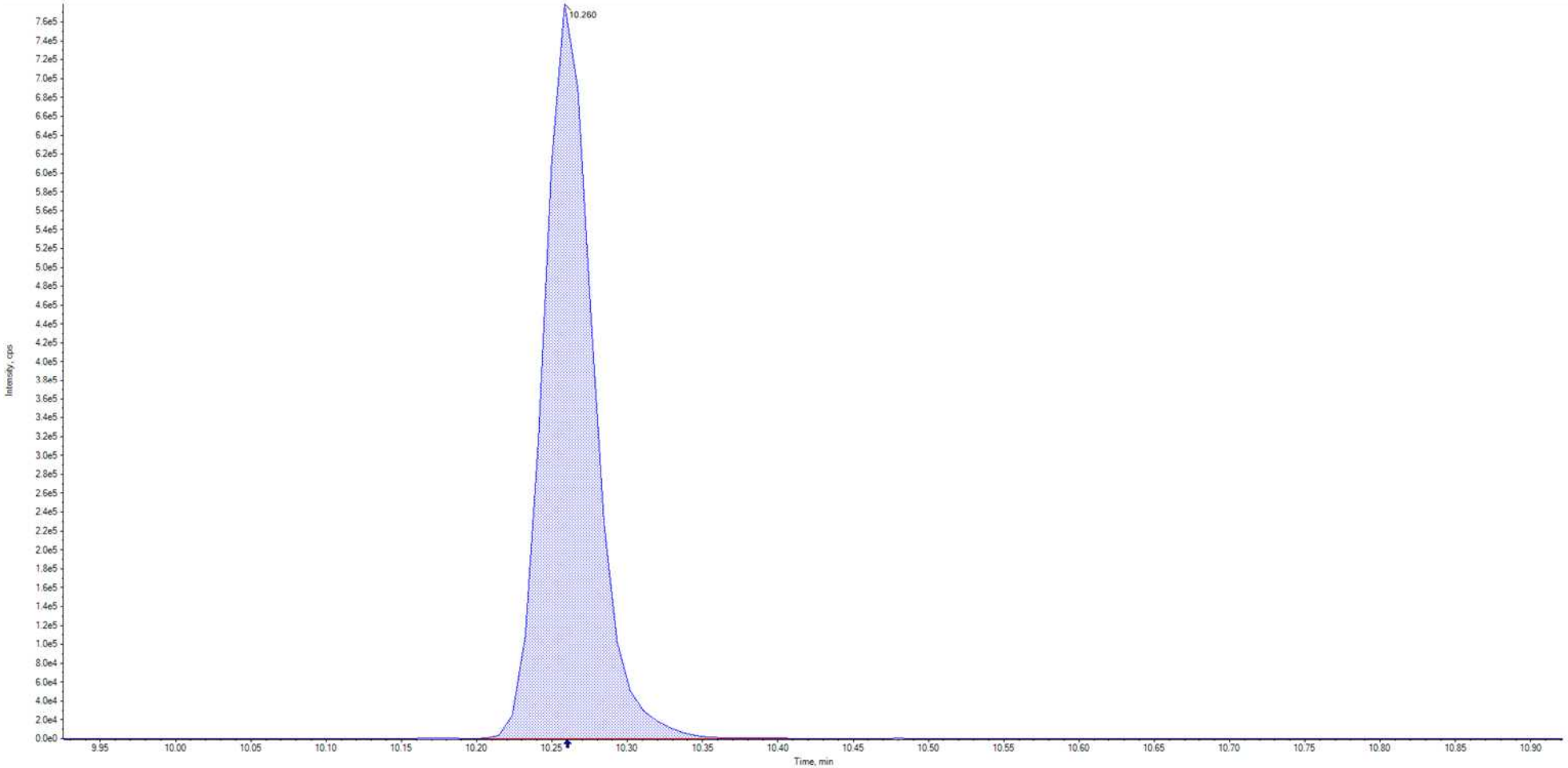

13C3-HFPO-DA
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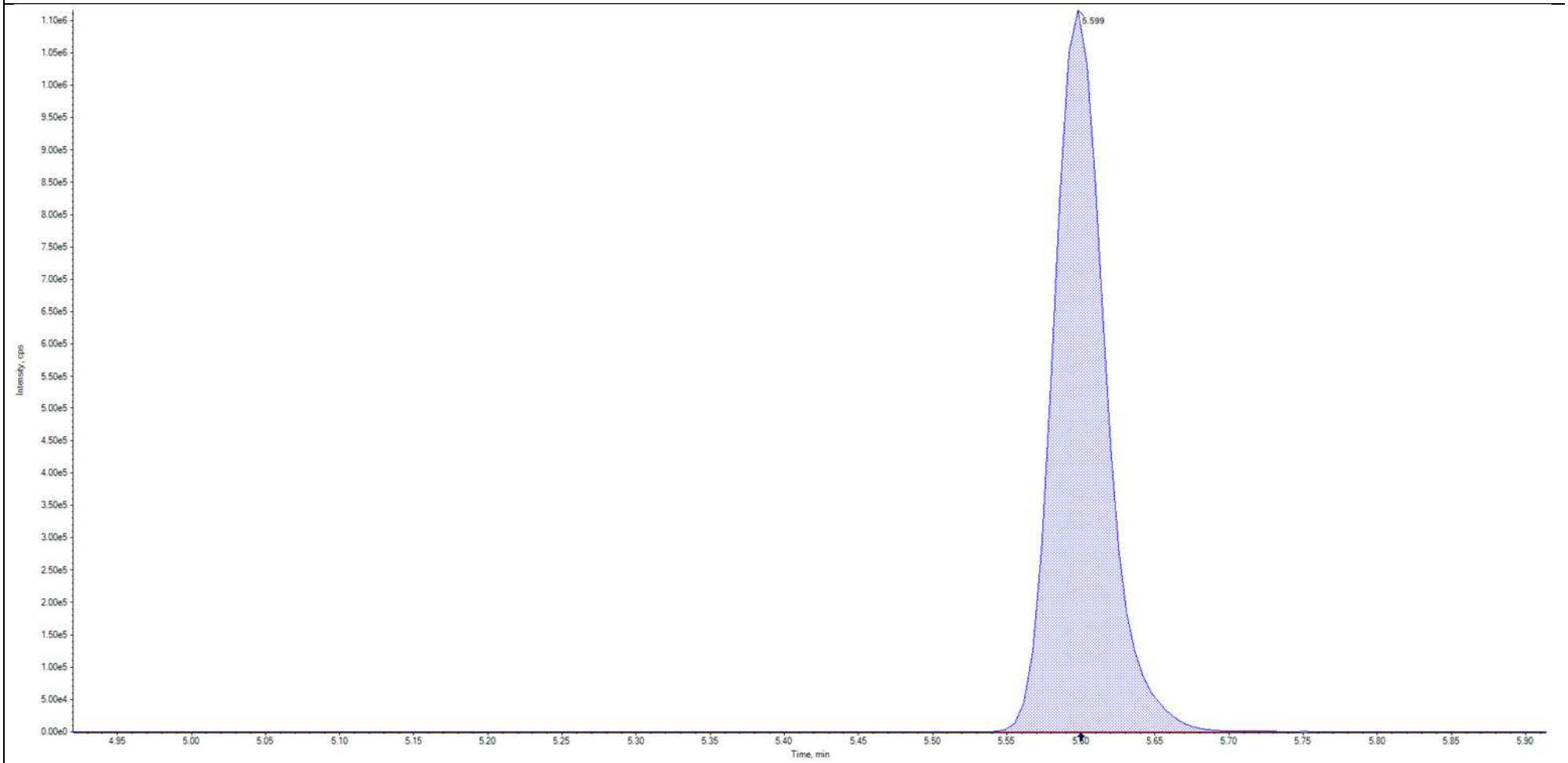

13C3-PFBA
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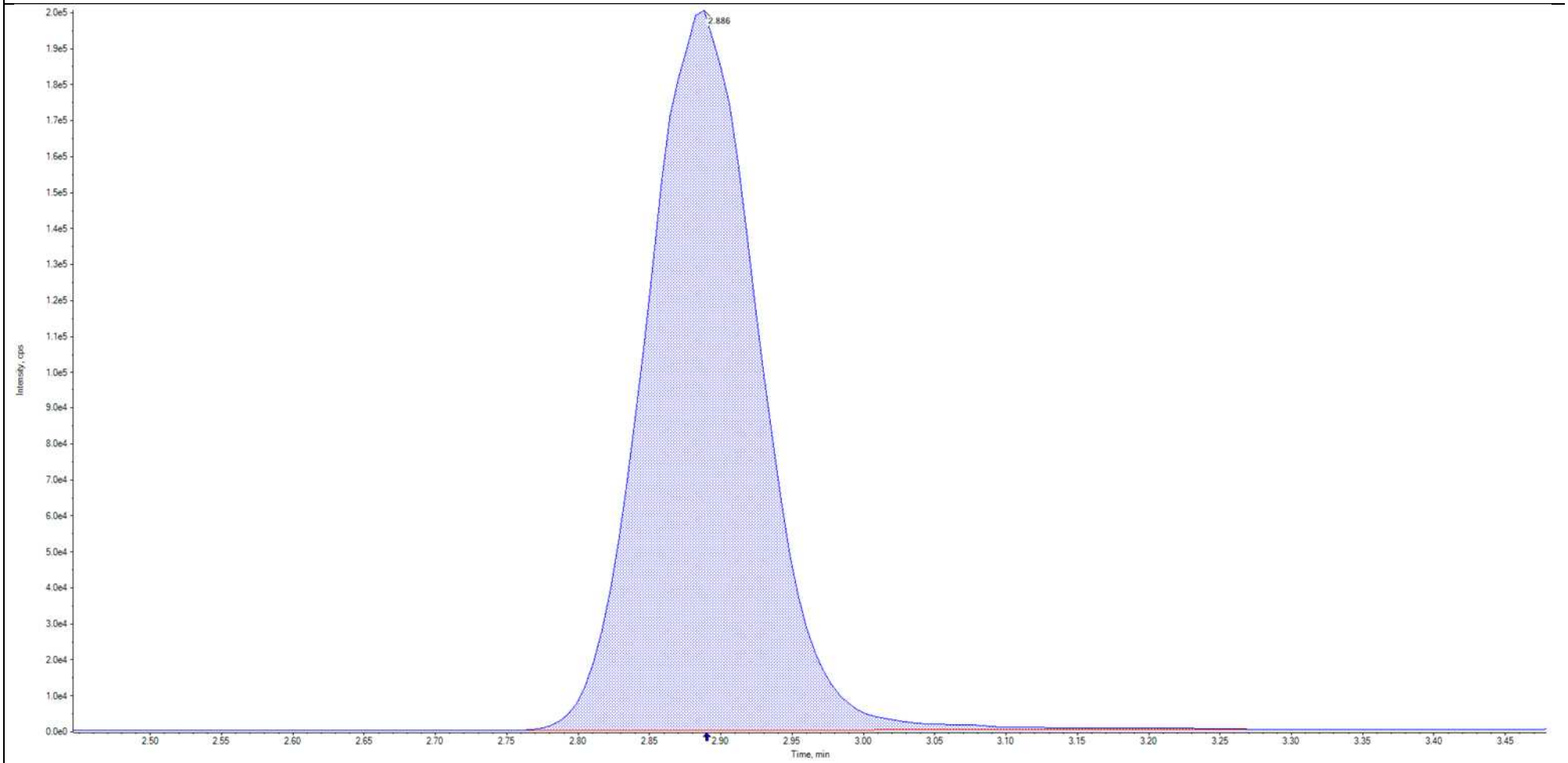

13C2-PFHxA
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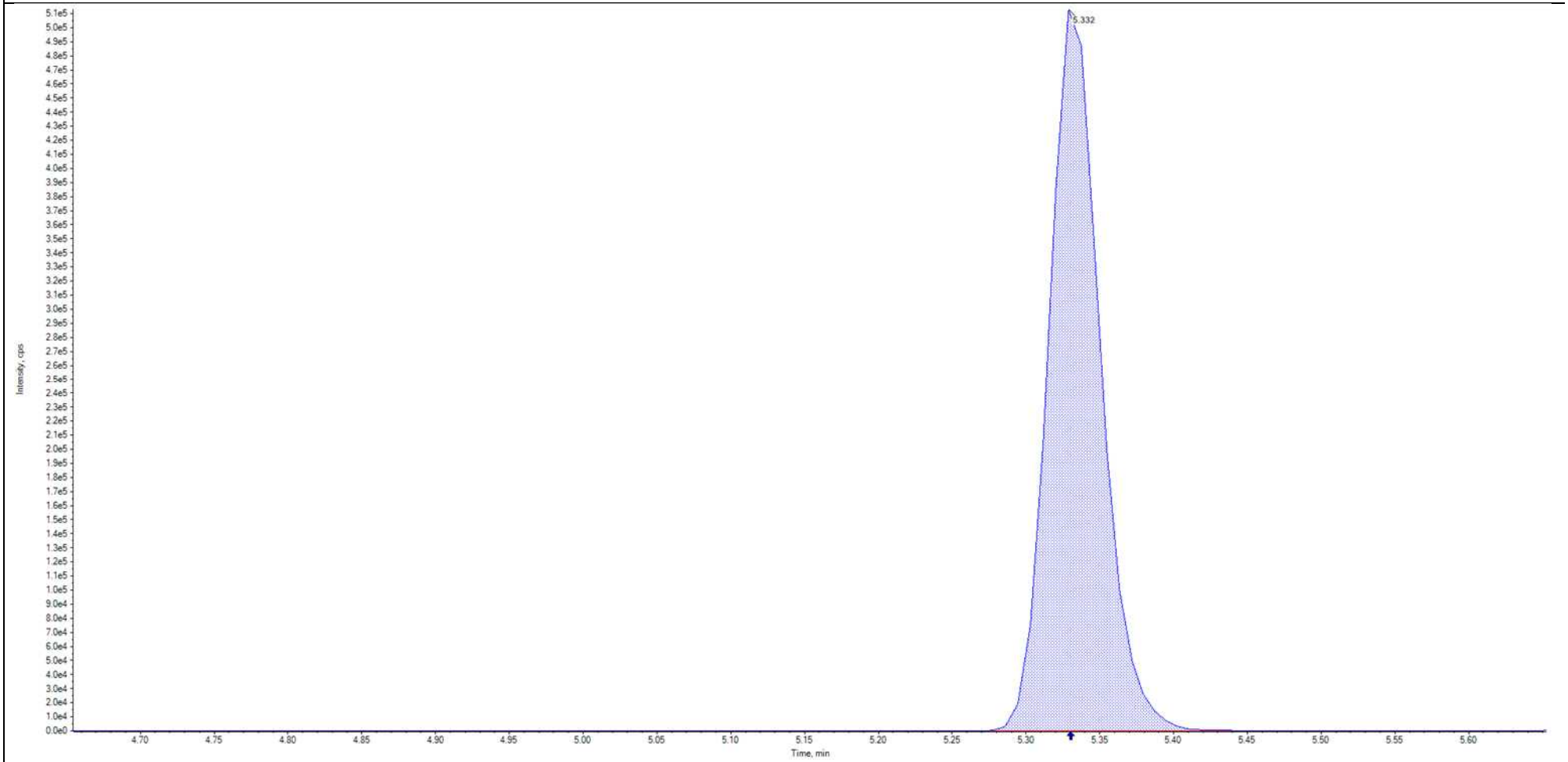

13C4-PFOA
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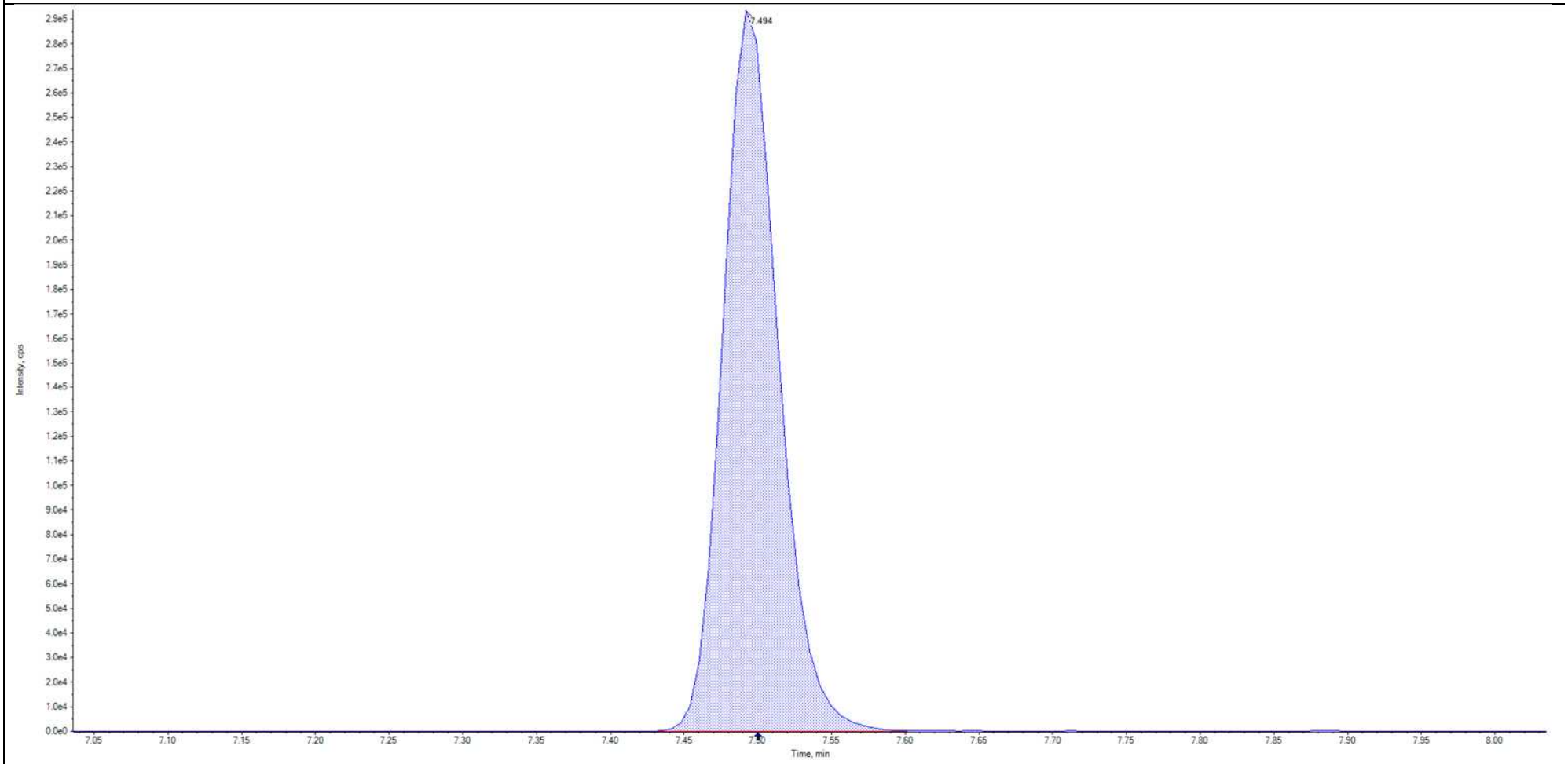

13C5-PFNA
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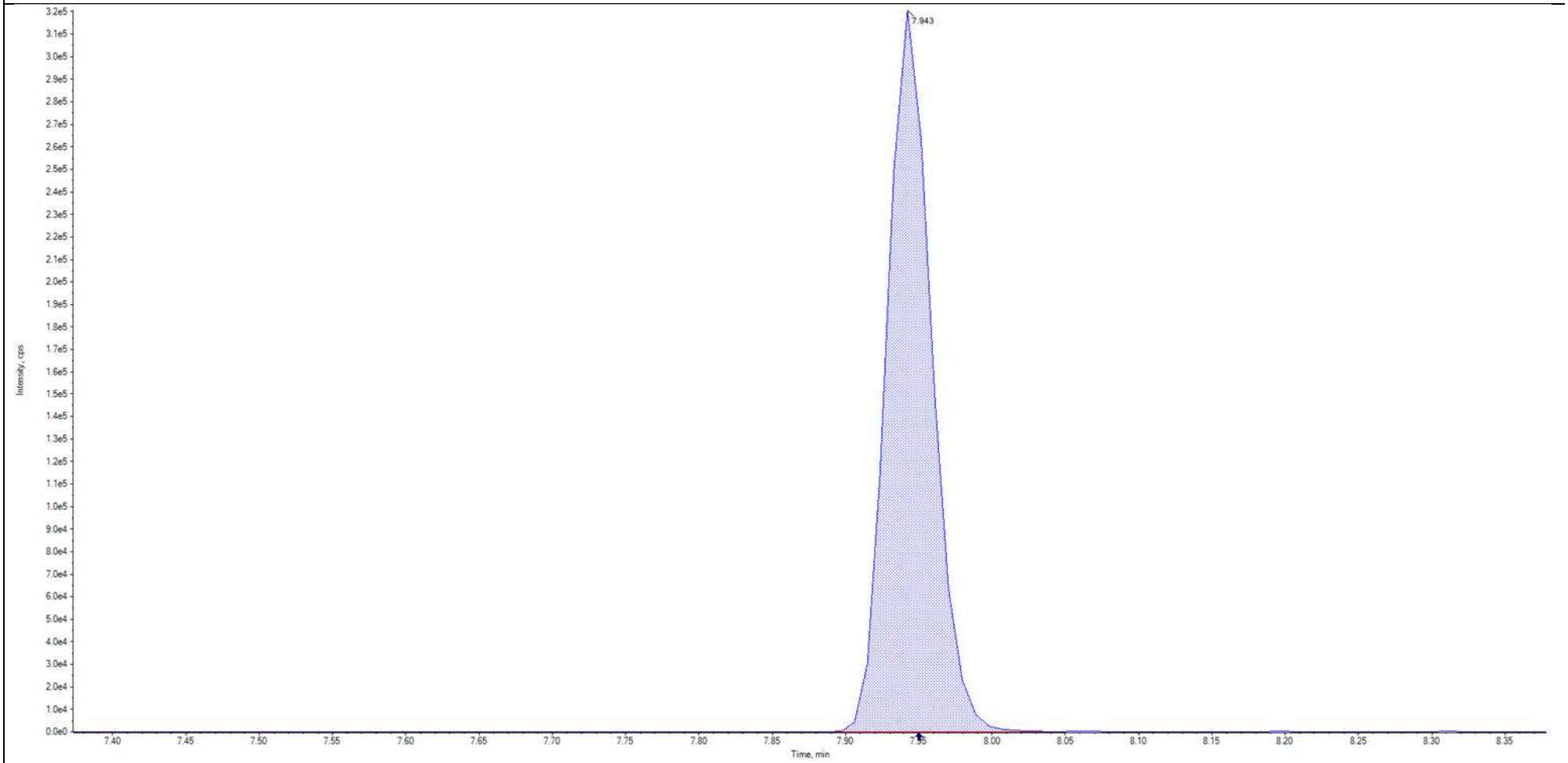
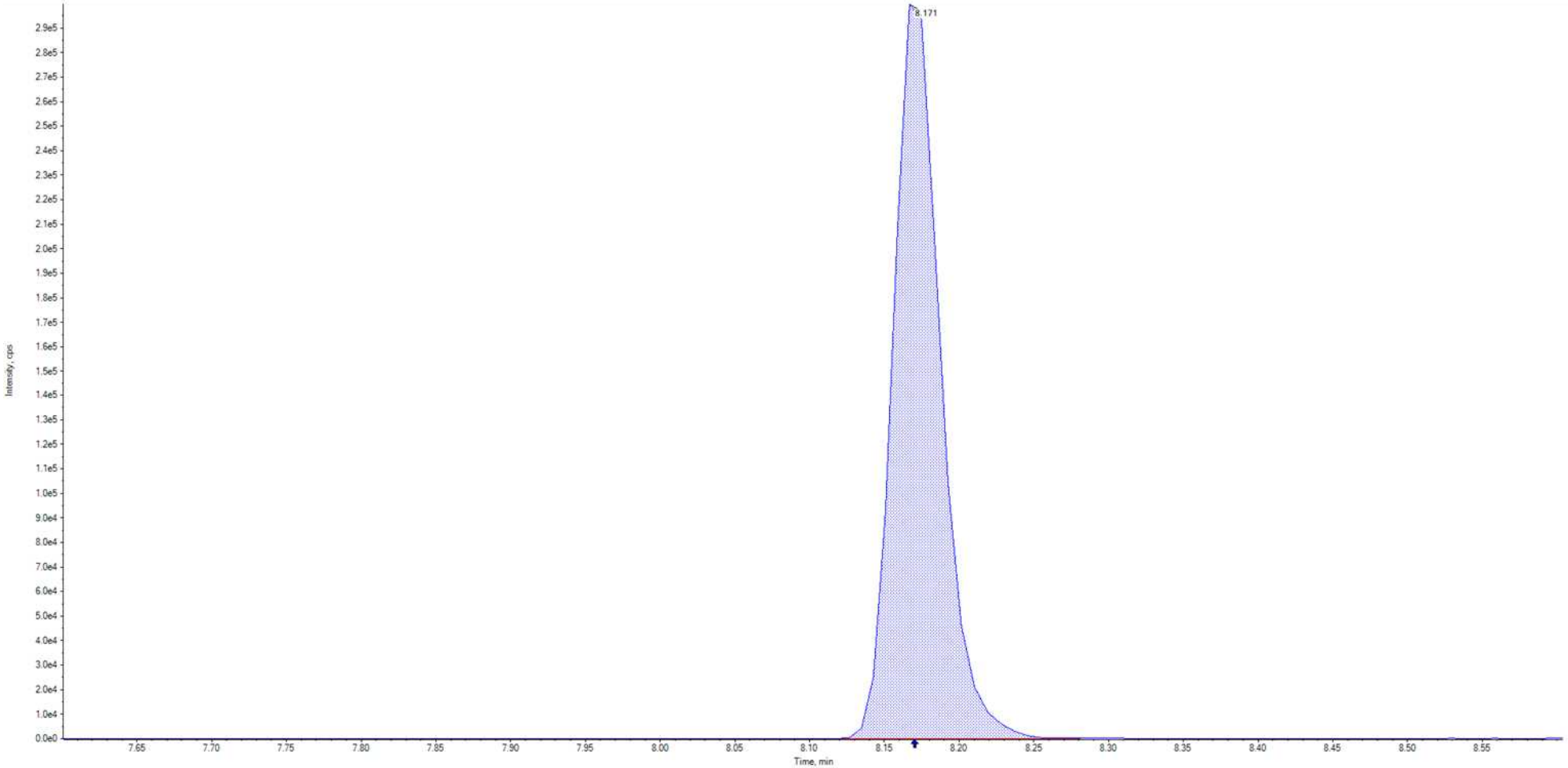
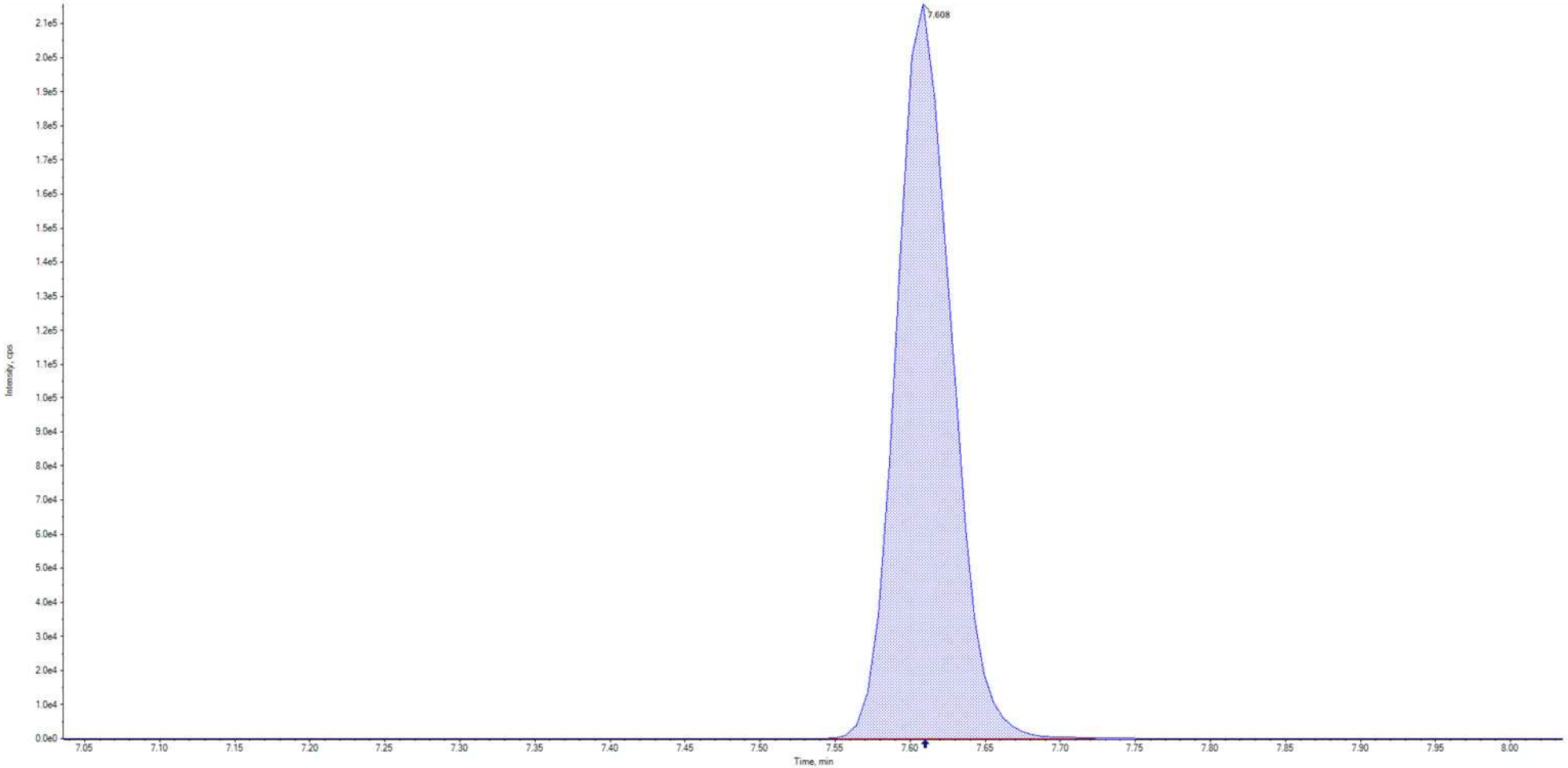


13C2-PFDA
Sample: IA1633STD-5



18O2-PFHxS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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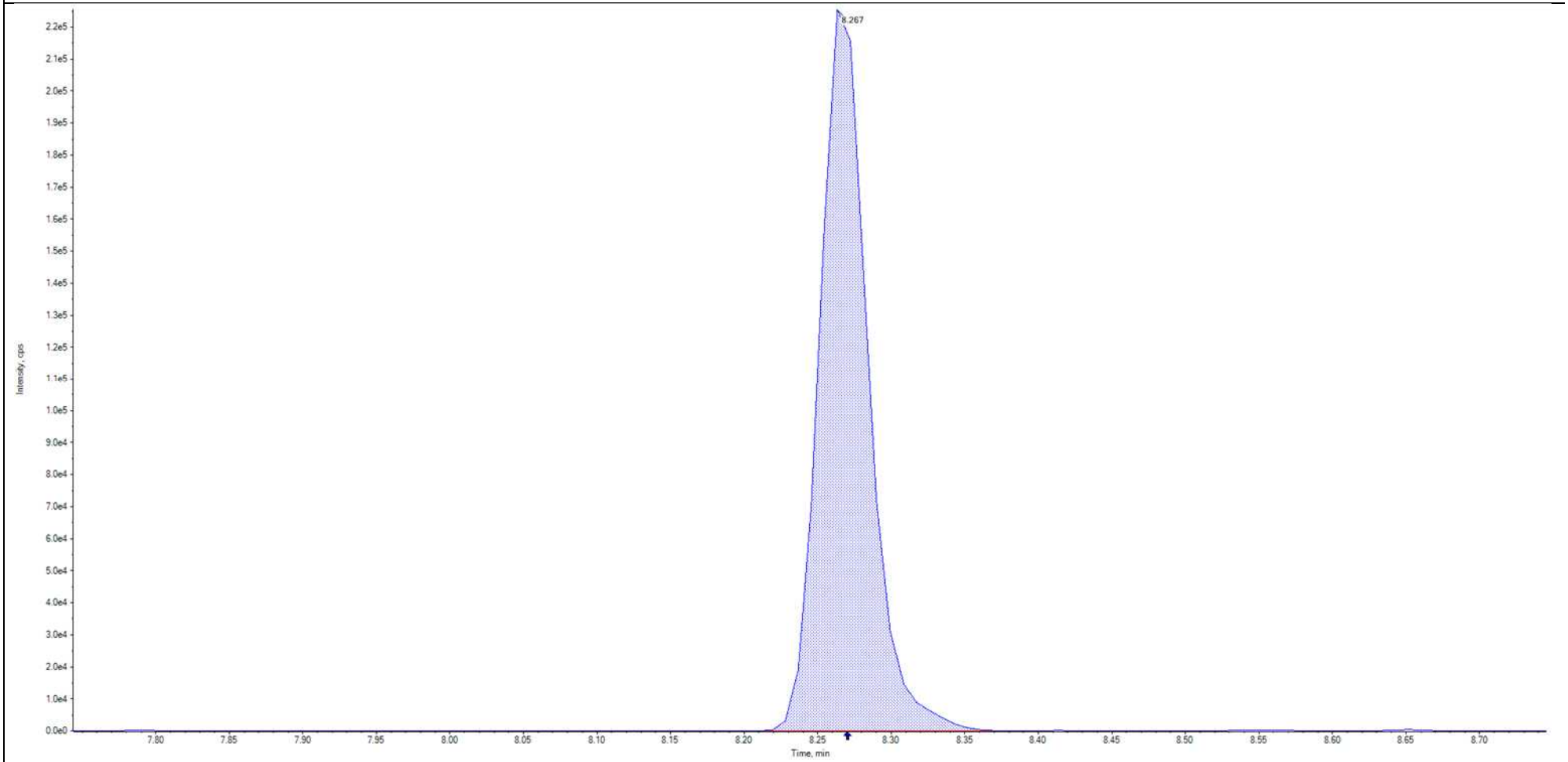
Generated: 8/14/2024 6:27:11 AM

13C4-PFOS
Sample: IA1633STD-5



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-12.5
Name: SCI05_240813_77.wiff
Date & Time: 2024-08-13T23:06:47
Description: WG1958909,,,125 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	10163727		53.211	N/A	N/A	N/A	106.4
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	7315685		25.837	0.007	0.007	N/A	103.4
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	50009		25.014	0.007	0.007	N/A	100.1
4	PFHxA	307-24-4	5.34	313.0 / 269.0	6556474		12.673	0.070	0.072	Pass	101.4
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	462043	M7	12.087	0.070	0.072	Pass	96.7
6	PFHpA	375-85-9	6.25	363.1 / 319.0	6242426		12.971	0.300	0.297	Pass	103.8
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	1871788		12.710	0.300	0.297	Pass	101.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	3795945	M5	12.346	0.576	0.586	Pass	98.8
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	2187125	M7	12.983	0.576	0.586	Pass	103.9
10	PFNA	375-95-1	7.95	462.8 / 418.9	5432775	M5	12.994	0.300	0.313	Pass	104.0
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	1628122	M7	12.742	0.300	0.313	Pass	101.9
12	PFDA	335-76-2	8.18	513.1 / 469.1	5967617		13.200	0.155	0.142	Pass	105.6
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	922675		13.617	0.155	0.142	Pass	108.9
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	4390261		13.273	0.188	0.194	Pass	106.2
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	826829		12.905	0.188	0.194	Pass	103.2
16	PFDoA	307-55-1	8.90	613.1 / 569.1	4823549		13.054	0.173	0.167	Pass	104.4
17	PFDoA_2	307-55-1	8.90	613.1 / 319.0	833152		13.347	0.173	0.167	Pass	106.8
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	3032059		13.771	0.218	0.228	Pass	110.2
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	661787		13.495	0.218	0.228	Pass	108.0
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	5094568		12.914	0.134	0.137	Pass	103.3
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	683745		12.672	0.134	0.137	Pass	101.4
22	PFBS	375-73-5	5.31	299.1 / 80.1	3919451		11.957	0.380	0.396	Pass	107.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.31	299.1 / 99.1	1488821		11.392	0.380	0.396	Pass	102.8
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	3422752		12.335	0.295	0.299	Pass	104.9
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	1009409		12.060	0.295	0.299	Pass	102.5
26	PFHxS	355-46-4	7.61	399.1 / 80.1	3015740	M5	11.613	0.316	0.315	Pass	101.7
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	954073	M7	11.830	0.316	0.315	Pass	103.5
28	PFHpS	375-92-8	8.01	449.1 / 80.1	3346971		13.024	0.290	0.287	Pass	109.3
29	PFHpS_2	375-92-8	8.01	449.1 / 99.1	971992		12.905	0.290	0.287	Pass	108.3
30	PFOS	1763-23-1	8.27	499.1 / 80.1	3372642	M5	12.326	0.240	0.238	Pass	106.3
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	809147	M7	12.070	0.240	0.238	Pass	104.1
32	PFNS	68259-12-1	8.63	549.1 / 80.1	2304611		13.119	0.293	0.301	Pass	109.1
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	674910		12.685	0.293	0.301	Pass	105.5
34	PFDS	335-77-3	9.14	599.1 / 80.1	2184110		12.622	0.283	0.275	Pass	104.6
35	PFDS_2	335-77-3	9.14	599.1 / 99.1	619124		12.979	0.283	0.275	Pass	107.6
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	2057796		12.984	0.286	0.274	Pass	107.1
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	588810		13.521	0.286	0.274	Pass	111.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.13	327.1 / 307.1	5291738		46.630	0.536	0.516	Pass	99.5
39	4:2FTS_2	757124-72-4	5.13	327.1 / 81.1	2836949		46.730	0.536	0.516	Pass	99.7
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	3565584		49.534	0.541	0.565	Pass	104.3
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	1927887		49.516	0.541	0.565	Pass	104.2
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	4038399		51.281	0.651	0.662	Pass	106.8
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	2627198		49.184	0.651	0.662	Pass	102.5
44	PFOSA	754-91-6	9.54	498.1 / 78.1	3171379	M5	13.140	0.025	0.025	Pass	105.1
45	PFOSA_2	754-91-6	9.54	498.1 / 478.0	78042	M7	12.324	0.025	0.025	Pass	98.6
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	895612	M5	13.670	1.489	1.551	Pass	109.4
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	1333212	M7	13.132	1.489	1.551	Pass	105.1
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	887257	M5	13.440	1.307	1.285	Pass	107.5
49	NEtFOSA_2	4151-50-2	10.34	526.2 / 169.0	1159835	M7	13.124	1.307	1.285	Pass	105.0
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	1169398		12.813	0.644	0.700	Pass	102.5
51	NMeFOSAA_2	2355-31-9	8.22	570.2 / 483.0	752987		12.973	0.644	0.700	Pass	103.8
52	NEtFOSAA	2991-50-6	8.36	584.2 / 419.1	895167		13.022	0.486	0.487	Pass	104.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.36	584.2 / 526.2	435214	M7	13.758	0.486	0.487	Pass	110.1
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	16436198	M5	131.219	N/A	N/A	N/A	105.0
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	27604824	M5	131.072	N/A	N/A	N/A	104.9
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	13116686		52.648	0.464	0.464	Pass	105.3
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	6086089		52.533	0.464	0.464	Pass	105.1
58	ADONA	919005-14-4	6.71	377.1 / 251.0	28514834		50.326	0.604	0.634	Pass	106.5
59	ADONA_2	919005-14-4	6.71	377.1 / 84.8	17225235		46.984	0.604	0.634	Pass	99.4
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	26617233		47.643	0.327	0.322	Pass	101.9
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	8690546		47.768	0.327	0.322	Pass	102.2
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	17563776		49.771	0.335	0.331	Pass	105.3
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	5888904		49.584	0.335	0.331	Pass	104.9
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	1725859		70.270	0.983	1.074	Pass	112.4
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	1697178		68.997	0.983	1.074	Pass	110.4
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	29042126		309.438	0.960	0.953	Pass	99.0
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	27873456		313.862	0.960	0.953	Pass	100.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	29960681		286.749	1.303	1.558	Pass	91.8
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	39034896		257.452	1.303	1.558	Pass	82.4
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	20195715		22.500	0.085	0.087	Pass	101.1
71	PFEESA_2	113507-82-7	5.70	315.1 / 82.9	1712125		22.079	0.085	0.087	Pass	99.2
72	PFMPA	377-73-1	3.84	229.0 / 85.0	875313		25.540	N/A	N/A	N/A	102.2
73	PFMBA	863090-89-5	4.87	279.0 / 85.0	12117026		26.222	N/A	N/A	N/A	104.9
74	NFDHA	151772-58-6	5.25	295.0 / 201.0	2327402		24.630	0.872	0.910	Pass	98.5
75	NFDHA_2	151772-58-6	5.25	295.0 / 84.9	2029267		23.425	0.872	0.910	Pass	93.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	967104		5.097	N/A	N/A	N/A	101.9
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3402324		2.481	N/A	N/A	N/A	99.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2355326		9.644	NA	NA	NA	96.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.63	268.0 / 223.0	1535510		4.774	NA	NA	NA	95.5
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1061529		2.512	NA	NA	NA	100.5
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1027376		2.429	NA	NA	NA	97.1
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1477443		2.386	NA	NA	NA	95.4
	13C9-PFNA	EIS	7.94	472.0 / 427.0	714001		1.215	NA	NA	NA	97.2
	13C6-PFDA	EIS	8.17	519.0 / 474.0	655762		1.181	NA	NA	NA	94.5
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	523228		1.165	NA	NA	NA	93.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	355193		1.216	NA	NA	NA	97.3
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	393552		1.241	NA	NA	NA	99.3
	13C3-PFBS	EIS	5.30	302.1 / 80.1	781298		2.210	NA	NA	NA	94.8
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	650579		2.317	NA	NA	NA	97.8
	13C8-PFOS	EIS	8.27	507.1 / 80.1	666128		2.236	NA	NA	NA	93.3
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	271580		4.304	NA	NA	NA	91.8
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	208647		4.512	NA	NA	NA	94.9
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	298236		4.407	NA	NA	NA	91.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	902744		2.279	NA	NA	NA	91.2
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	152968		2.294	NA	NA	NA	91.8
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	150279		2.307	NA	NA	NA	92.3
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	693534		4.601	NA	NA	NA	92.0
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	368677		4.654	NA	NA	NA	93.1
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1269350		24.650	NA	NA	NA	98.6
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1794100		23.631	NA	NA	NA	94.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.59	287.0 / 169.0	2717784		9.706	NA	NA	NA	97.1
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1068367		4.997	NA	NA	NA	99.9
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1254537		2.562	NA	NA	NA	102.5
	13C4-PFOA	NIS	7.49	417.0 / 372.0	810163		2.588	NA	NA	NA	103.5
	13C5-PFNA	NIS	7.94	468.0 / 423.0	715709		1.307	NA	NA	NA	104.5
	13C2-PFDA	NIS	8.17	515.1 / 470.1	652094		1.273	NA	NA	NA	101.8
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	570770		2.436	NA	NA	NA	102.8
	13C4-PFOS	NIS	8.27	503.1 / 80.1	527056		2.503	NA	NA	NA	104.5

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
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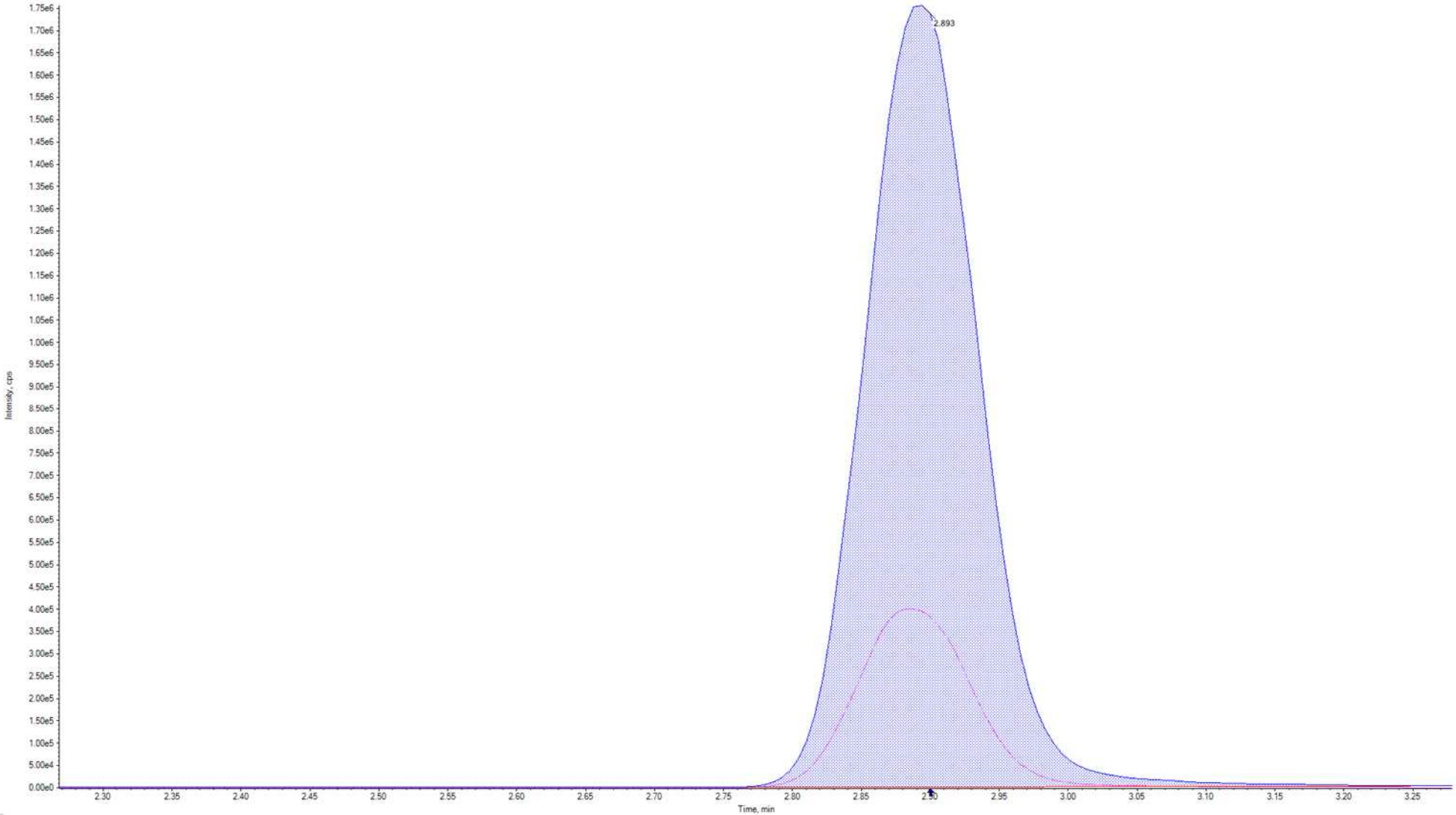
PFBA
Sample: IA1633STD-12.5 S/N:4525.1 Points Across peak:83



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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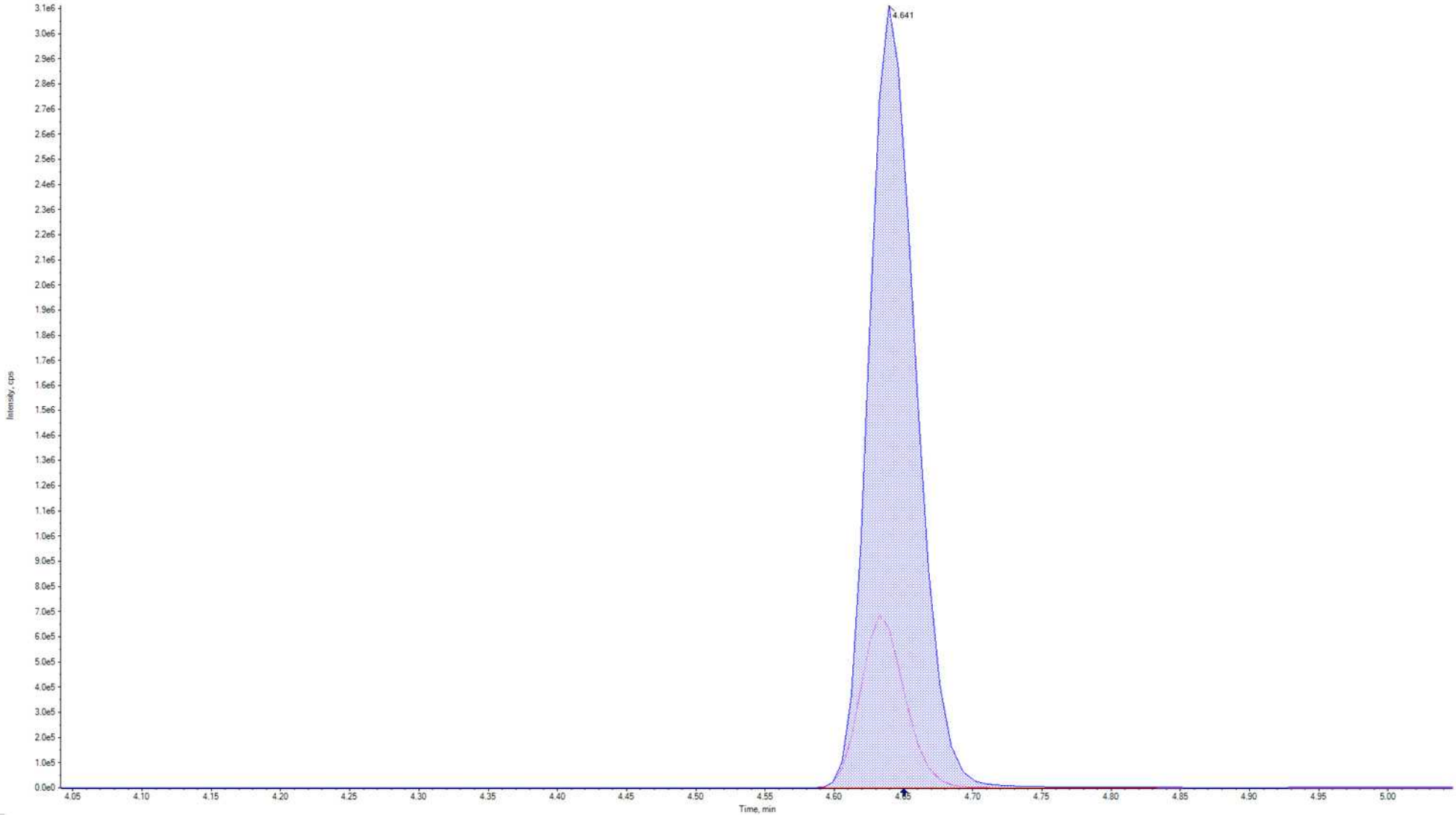
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-12.5 S/N:4328.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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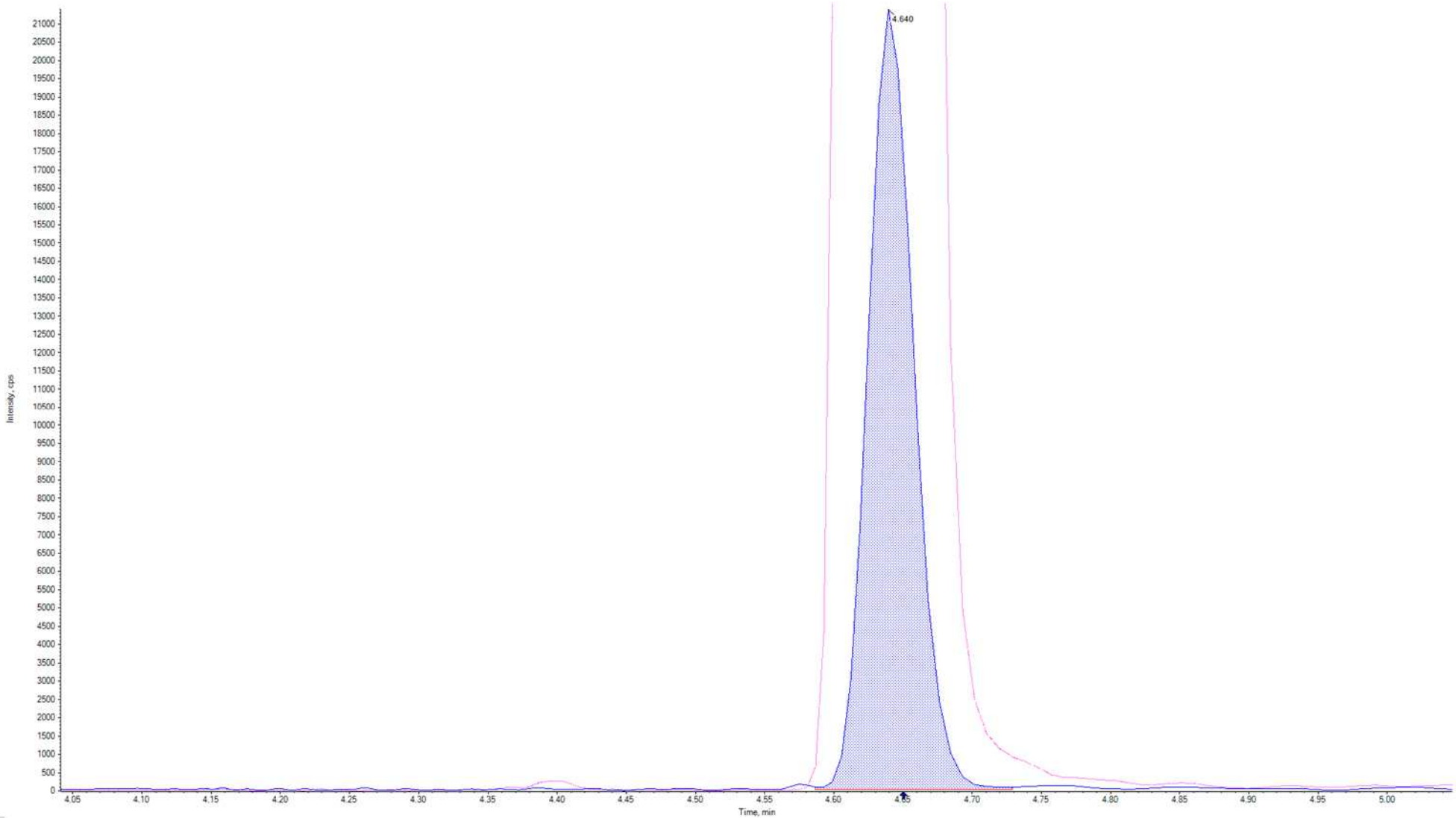
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-12.5 S/N:1529.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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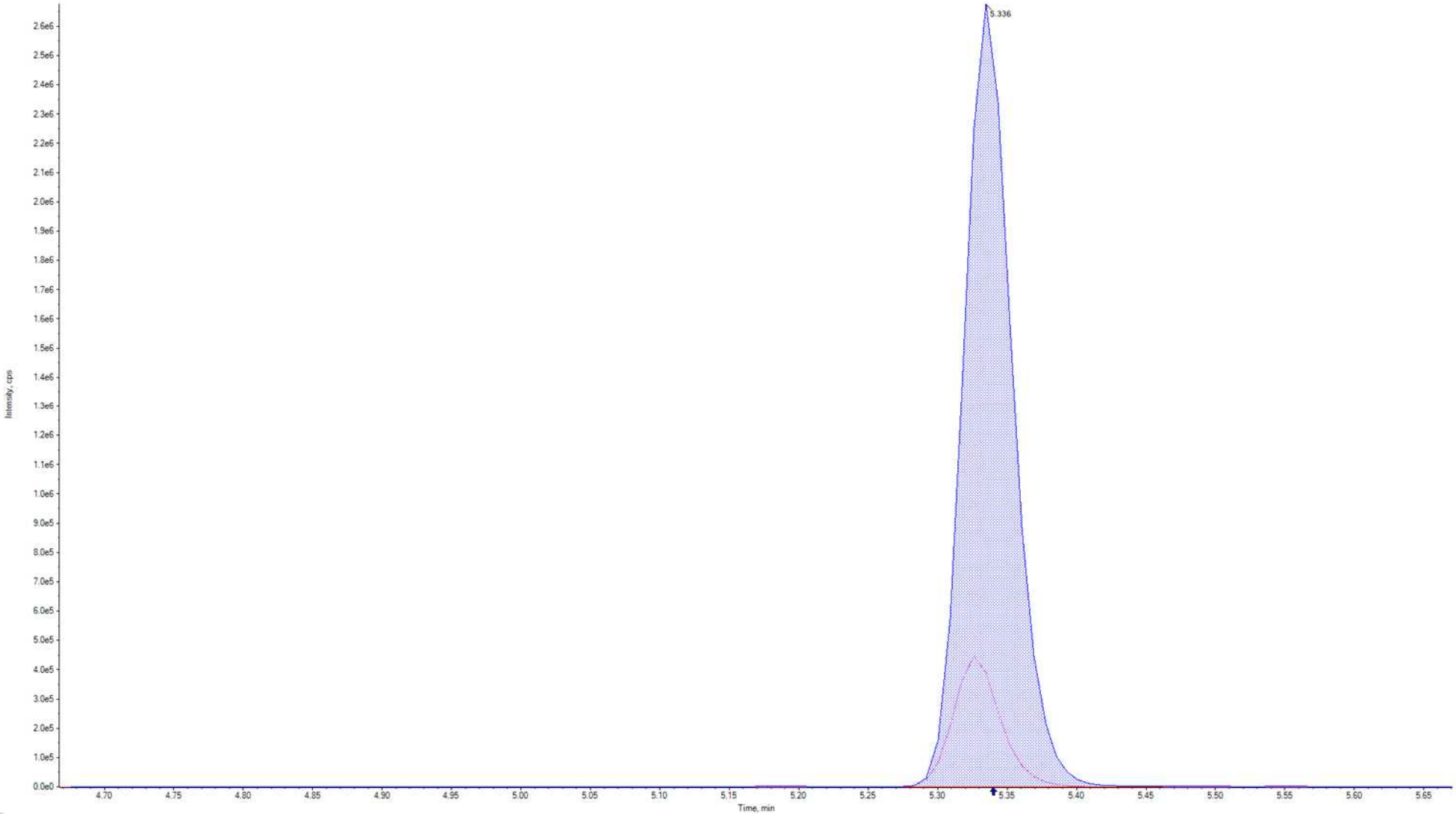
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-12.5 S/N:2673.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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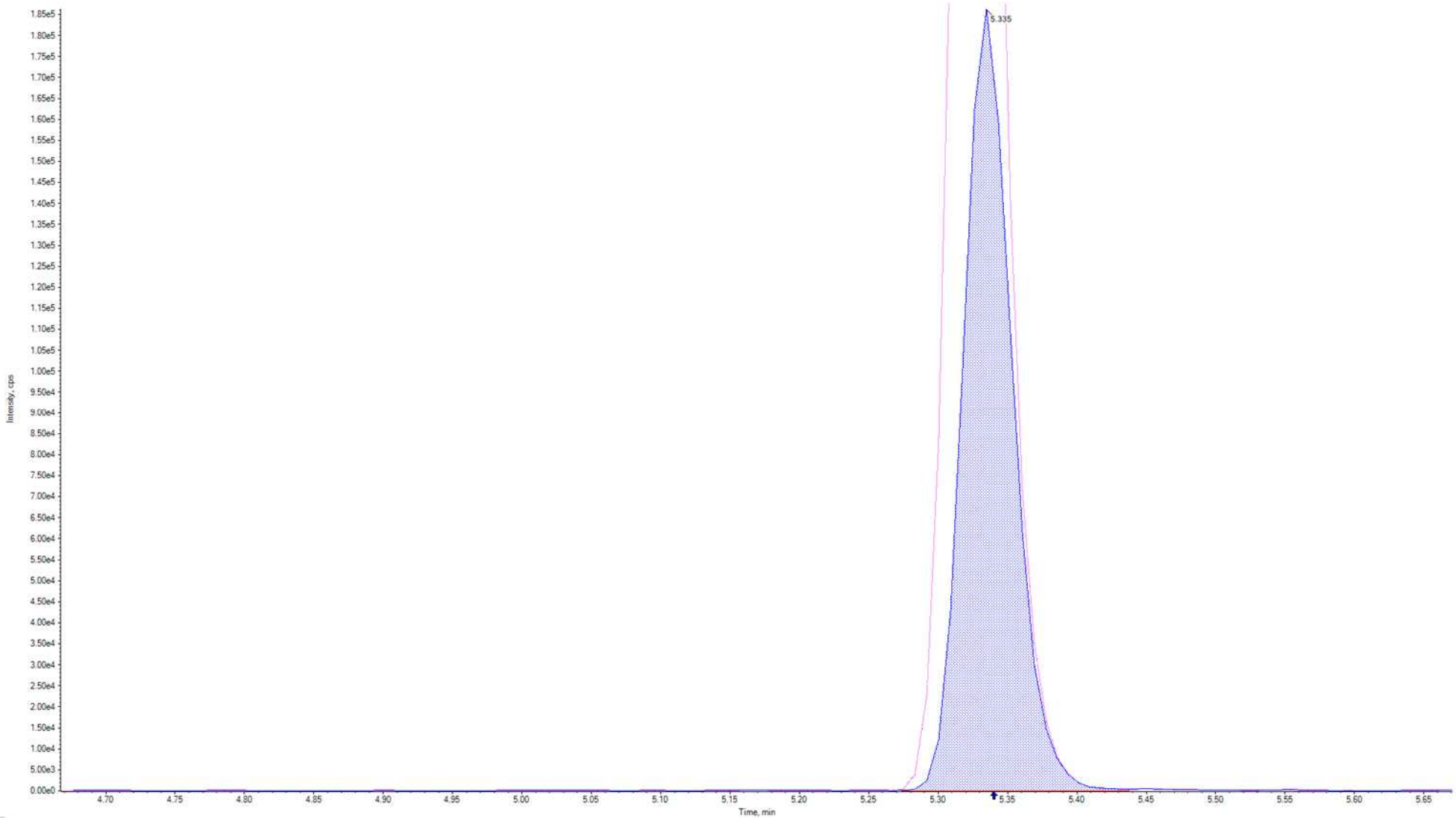
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-12.5 S/N:2803.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 8/14/2024 10:41:29 AM
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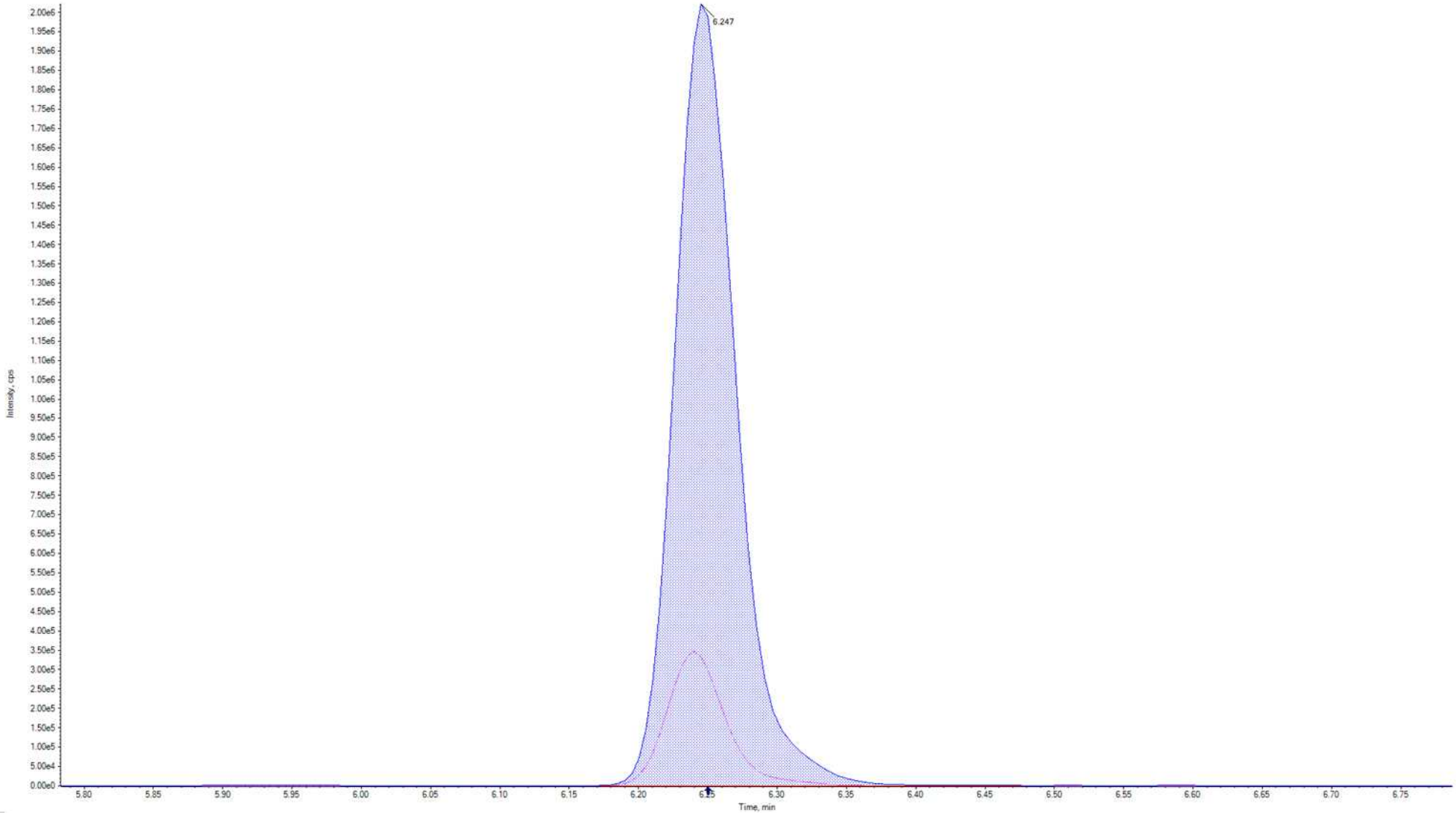
PFHpA
Sample: IA1633STD-12.5 S/N:4596.9 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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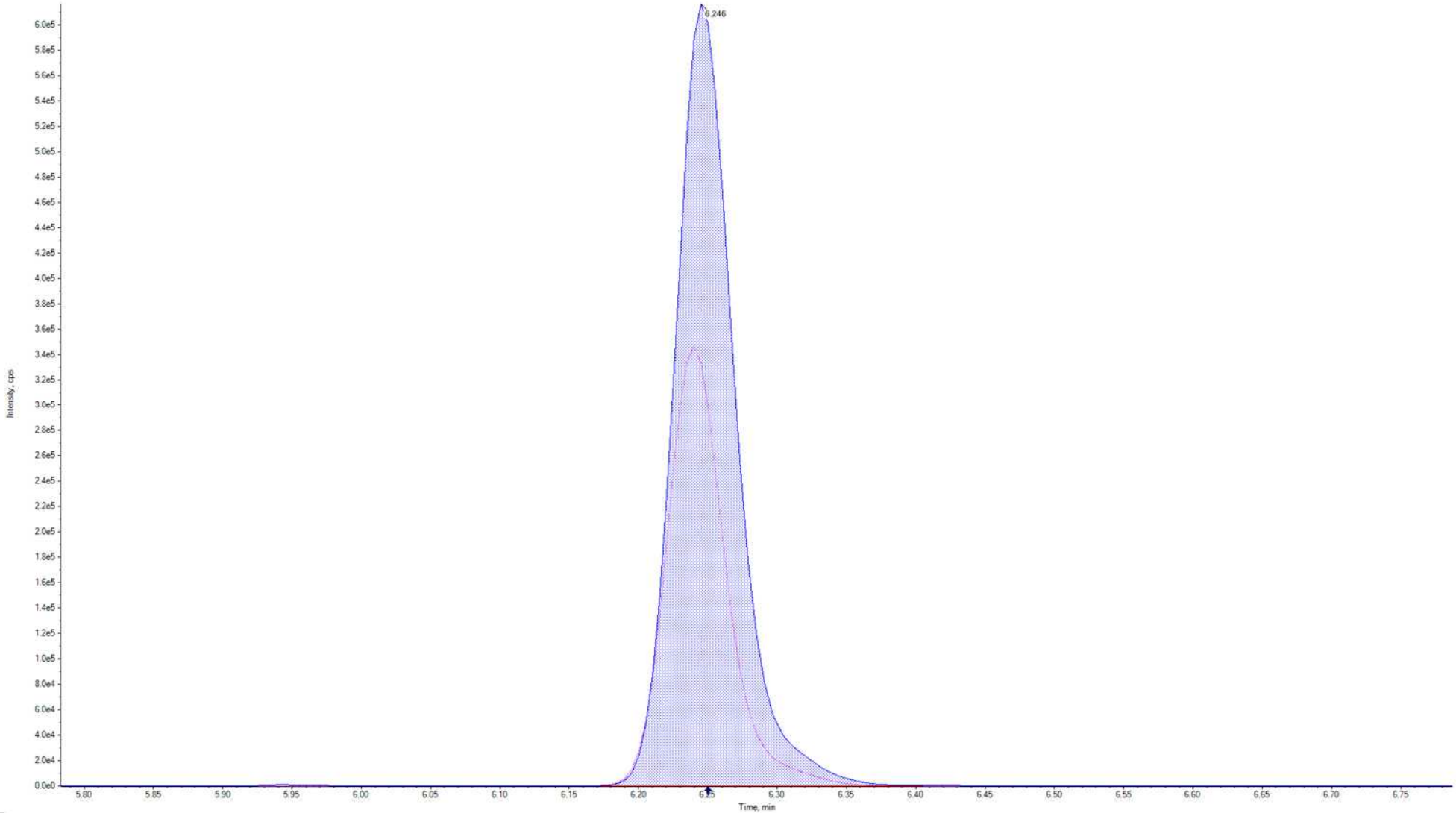
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-12.5 S/N:13188.4 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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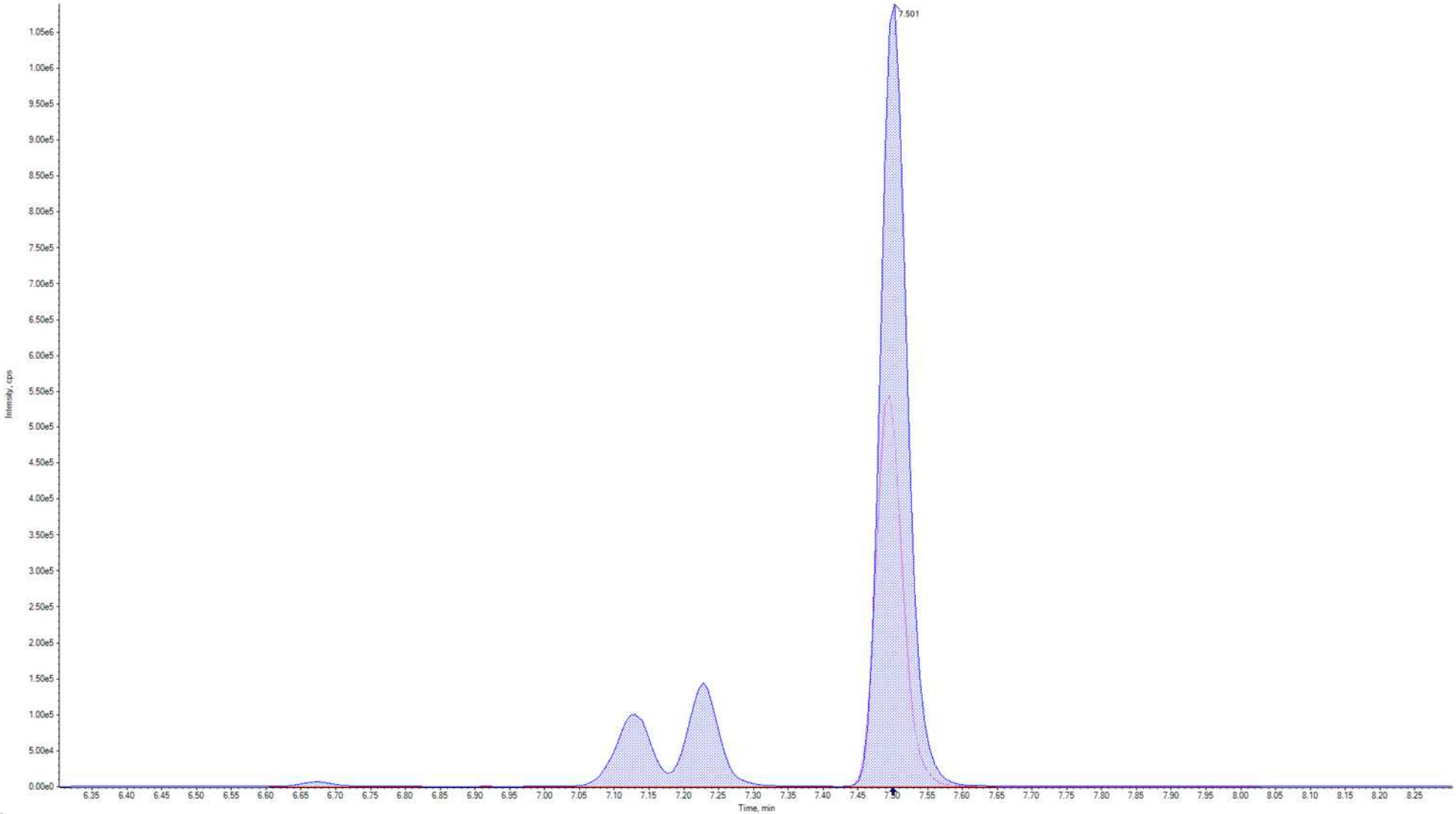
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-12.5 S/N:3256.8 Points Across peak:159



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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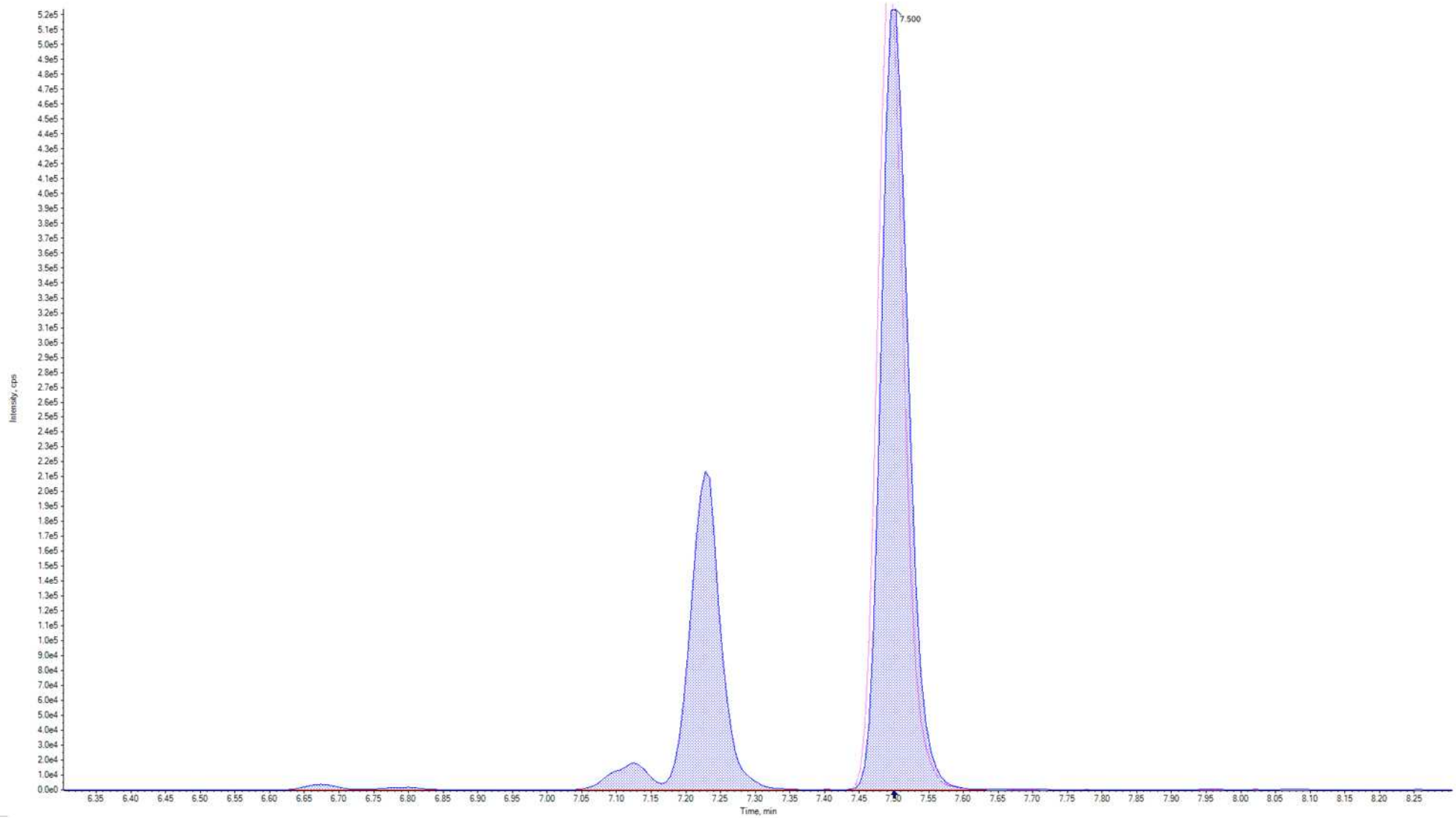
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-12.5 S/N:49173.6 Points Across peak:155



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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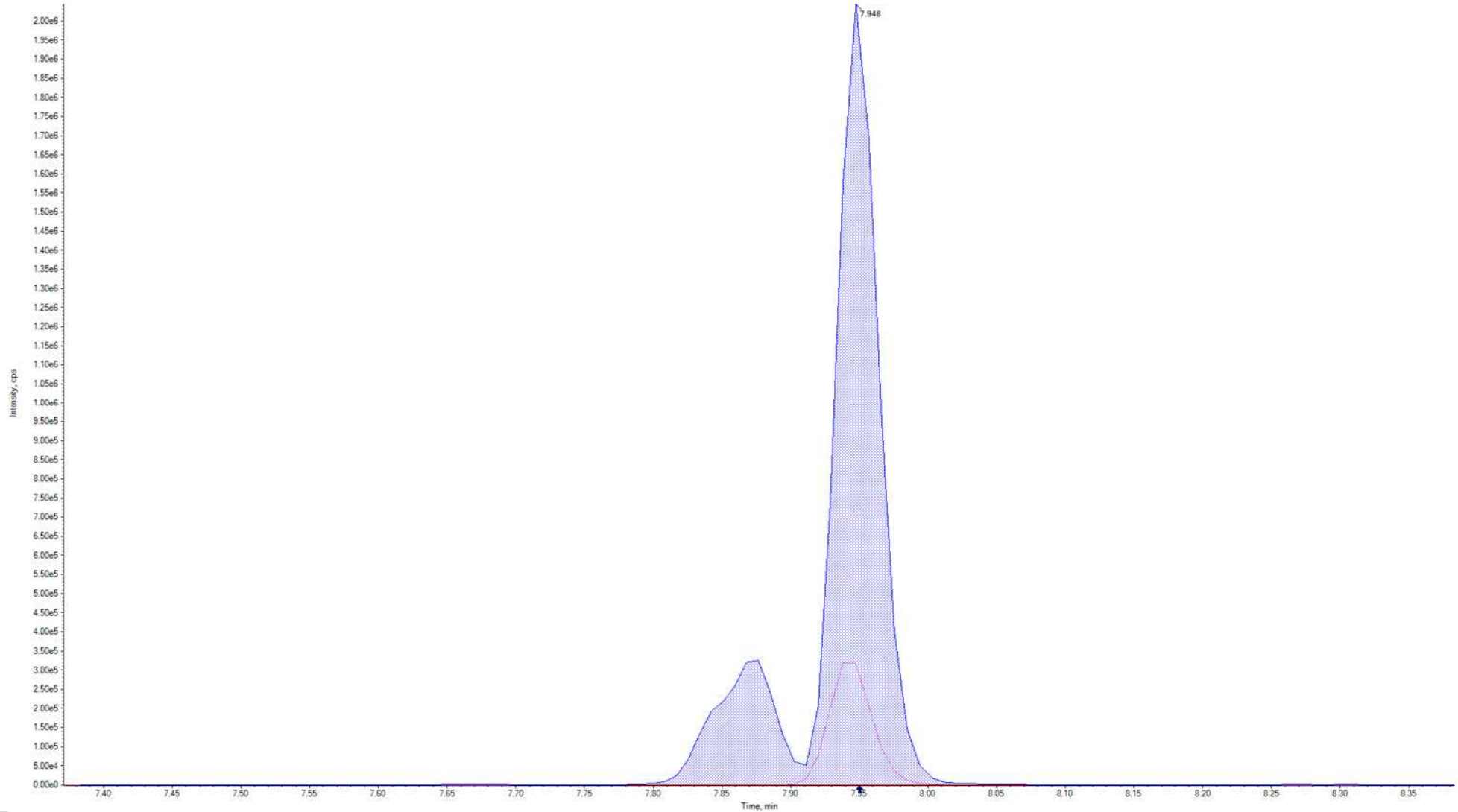
PFNA
Sample: IA1633STD-12.5 S/N:3349.9 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFNA_2
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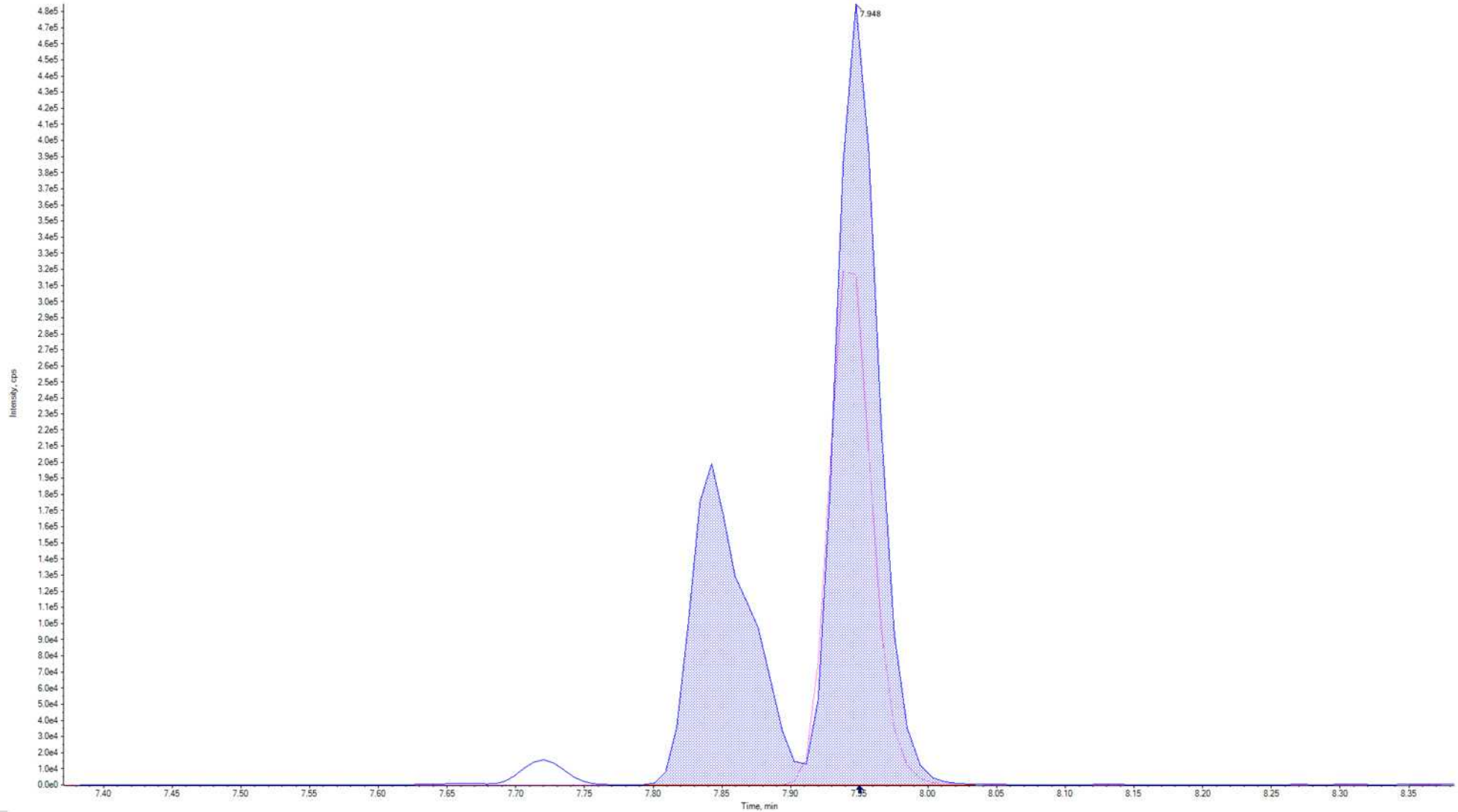

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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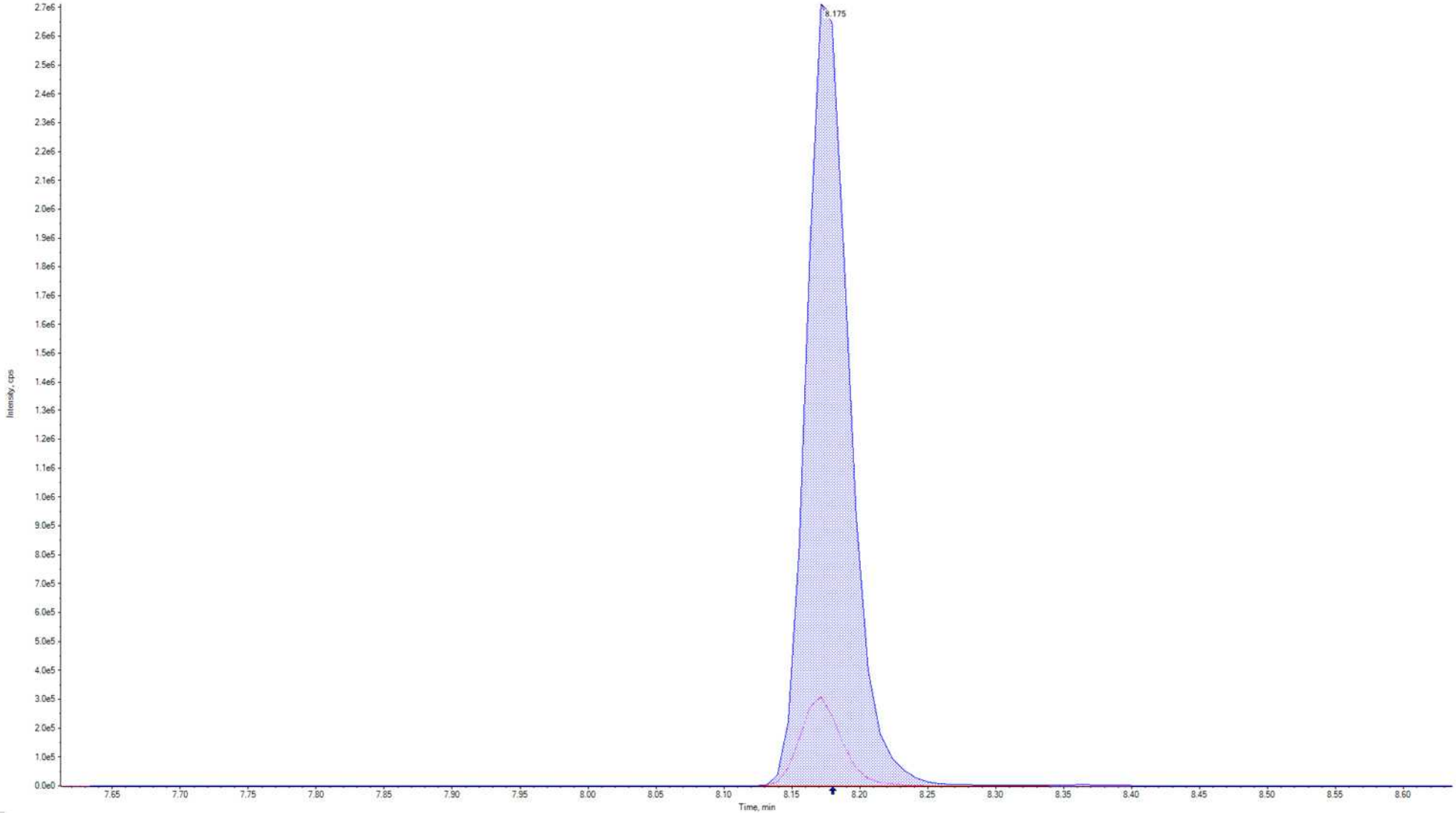
PFDA
Sample: IA1633STD-12.5 S/N:5677.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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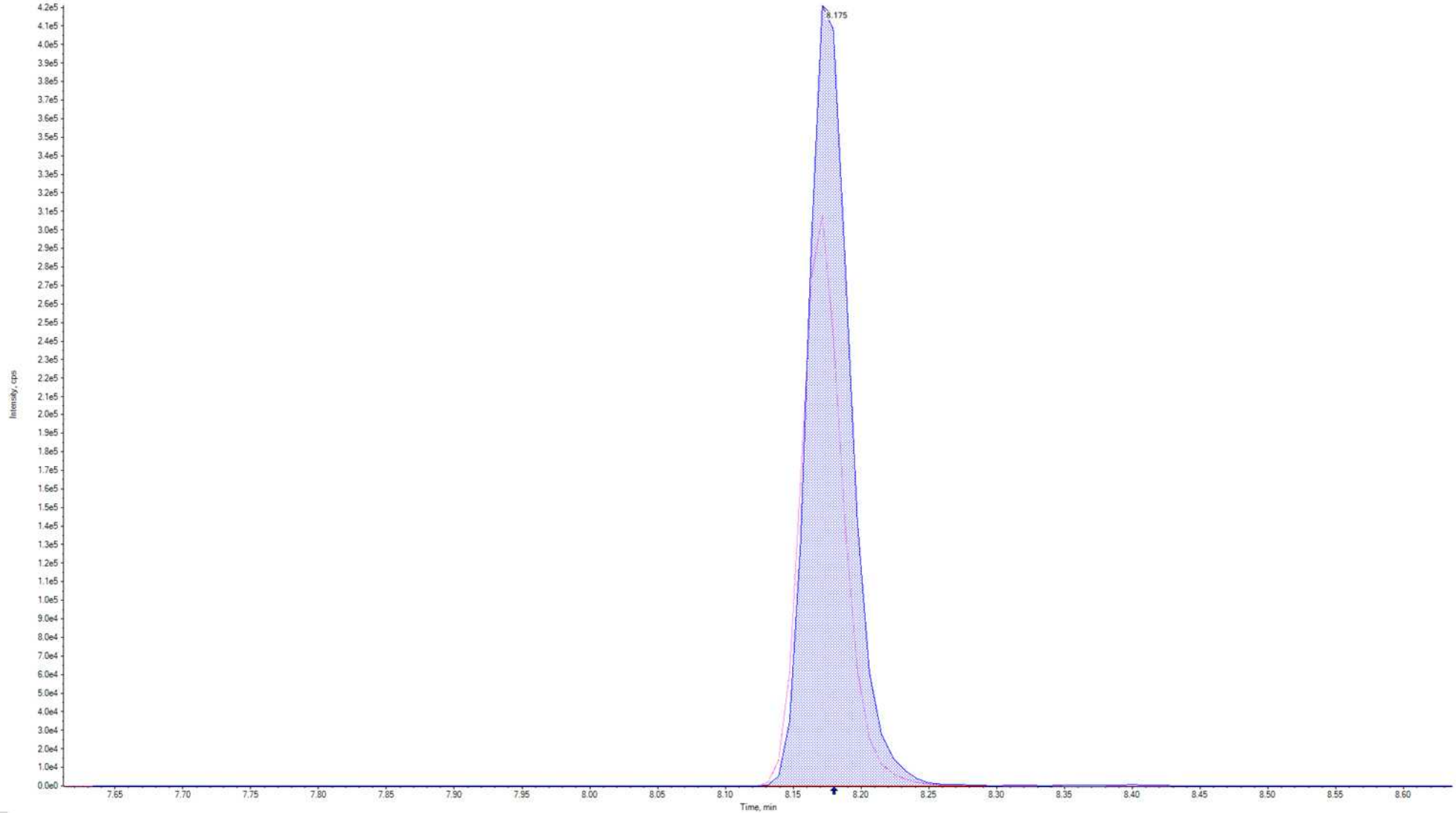
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-12.5 S/N:2248.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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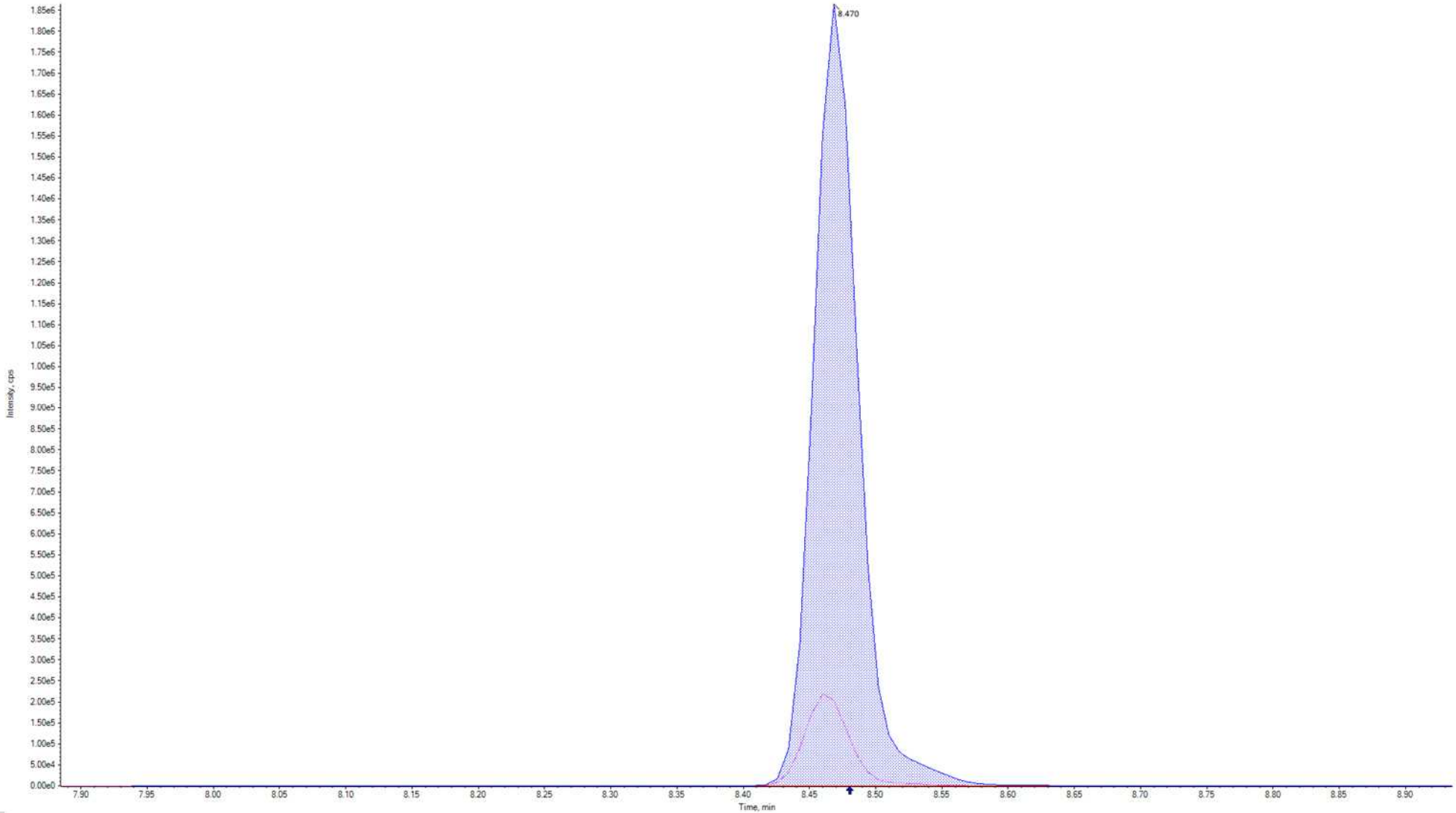
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-12.5 S/N:7069.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFUnA_2
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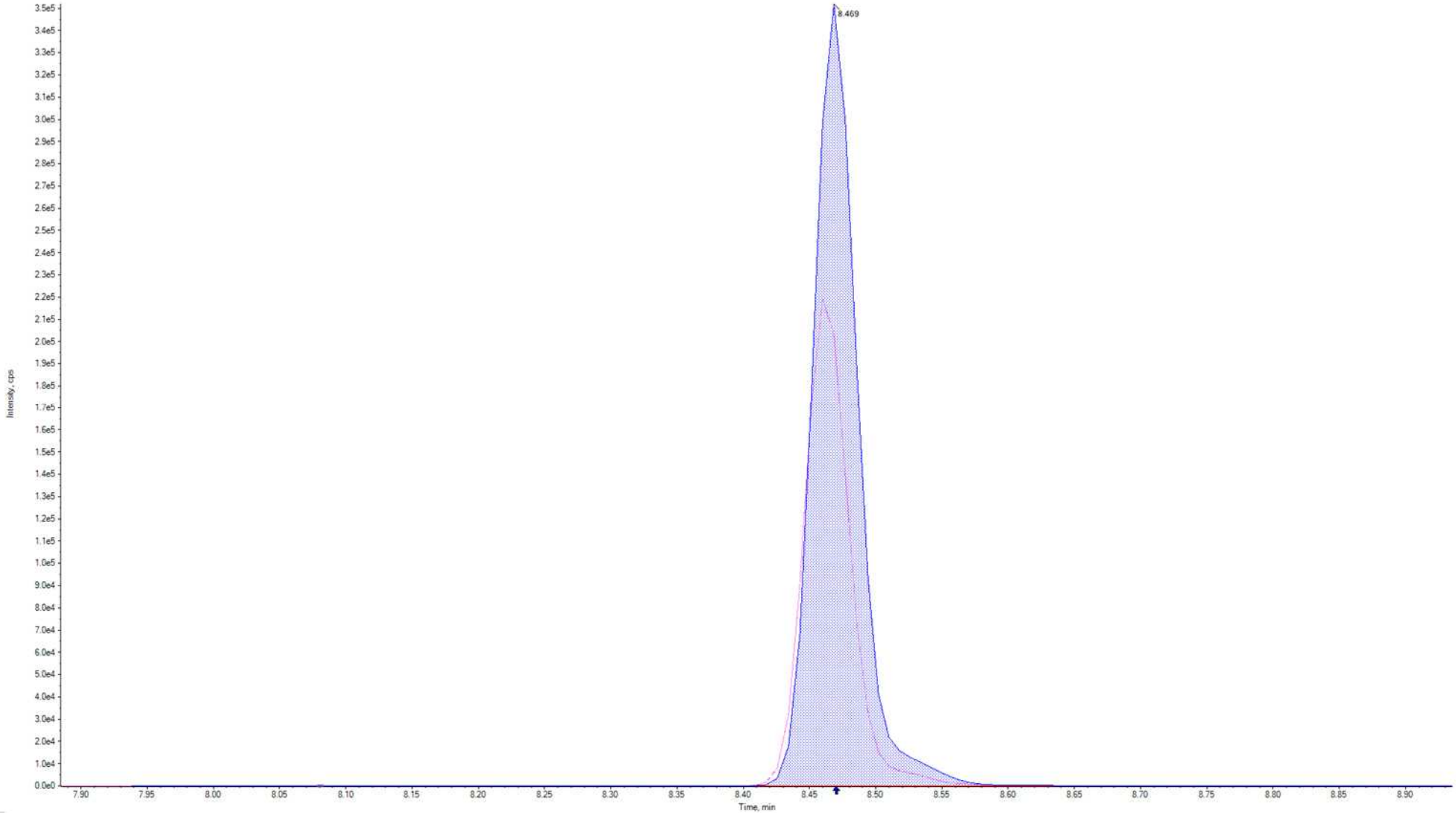

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 8/14/2024 6:27:11 AM

PFDoA
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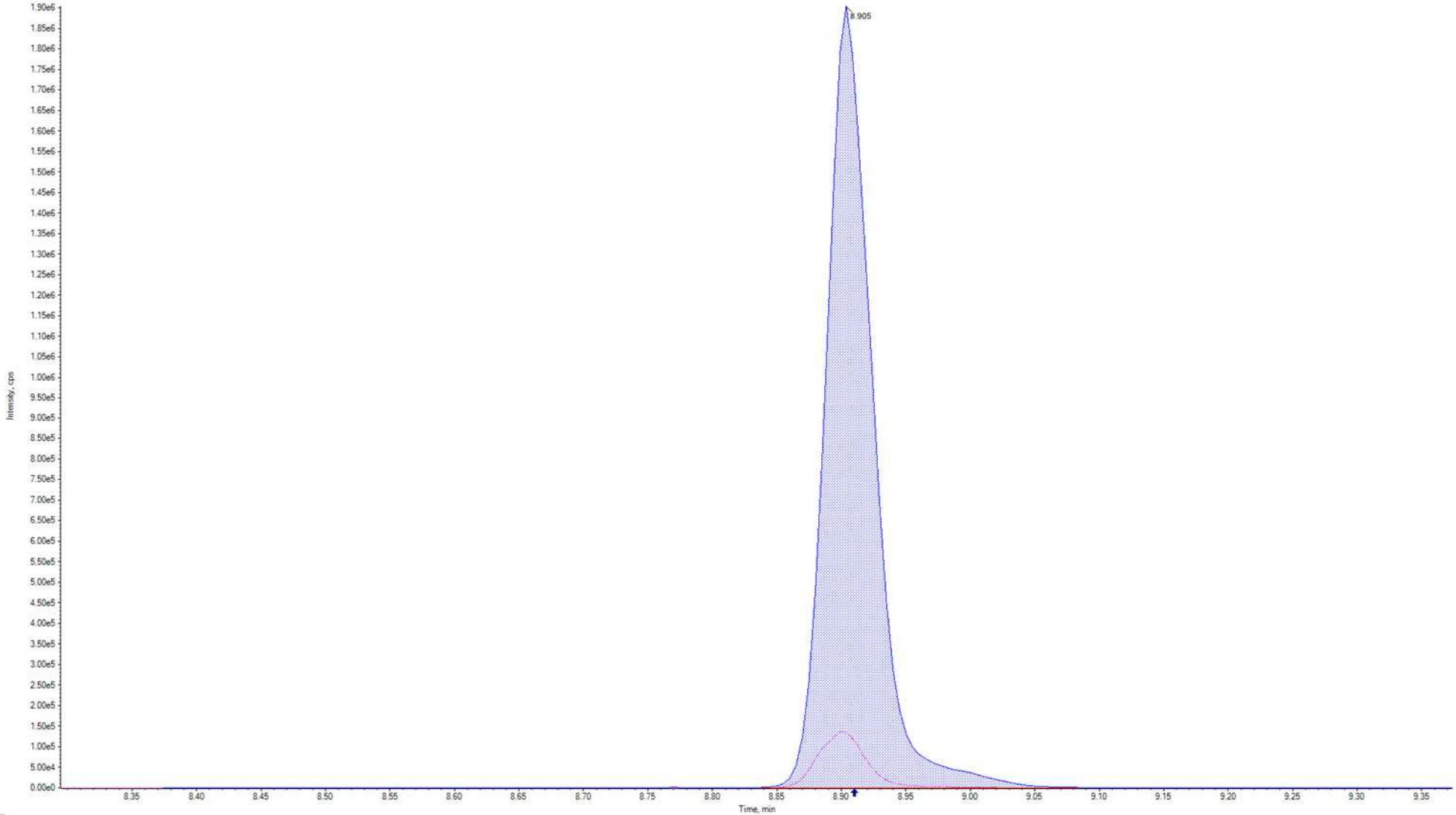

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
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PFDoA_2
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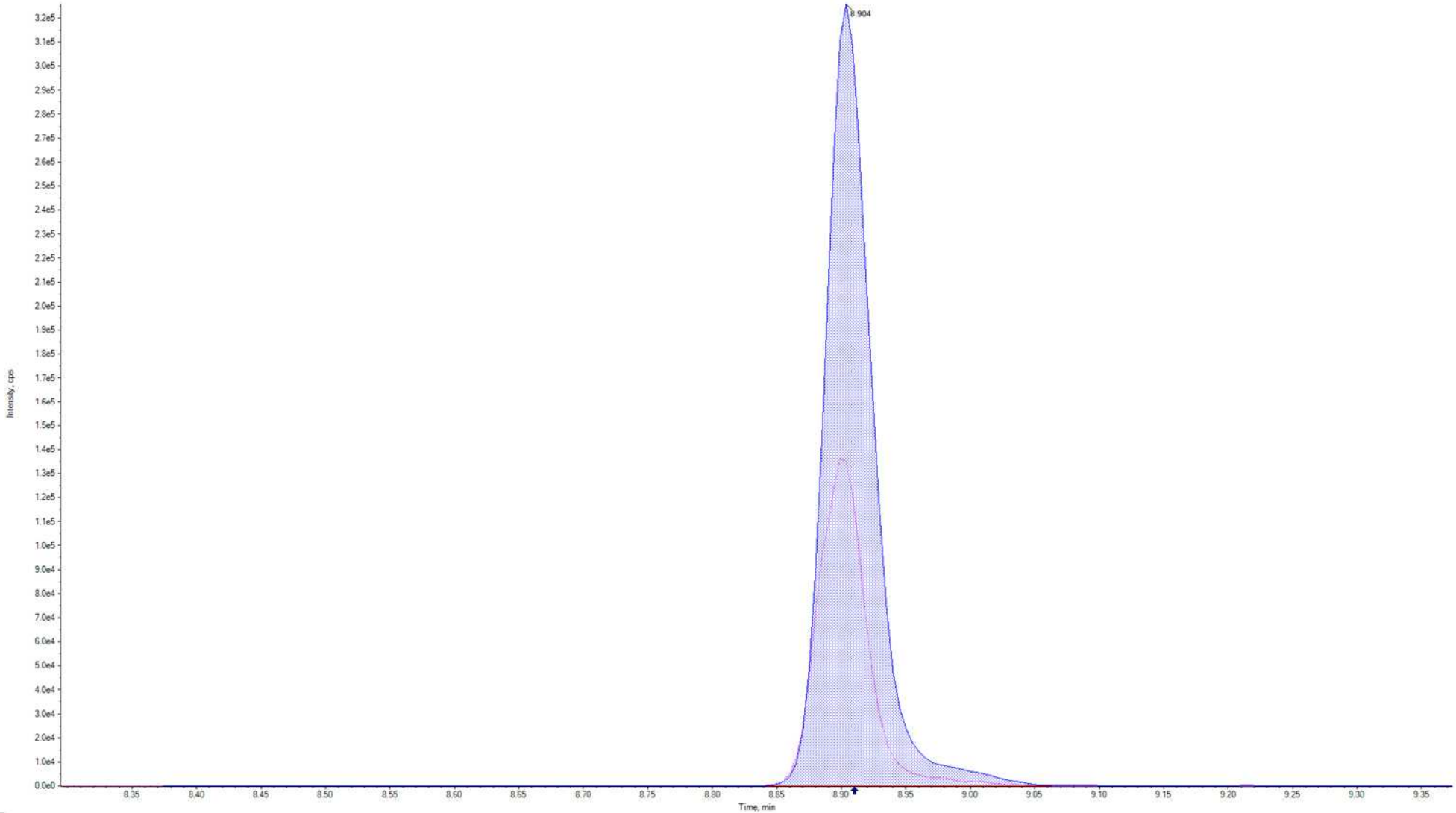

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFTrDA
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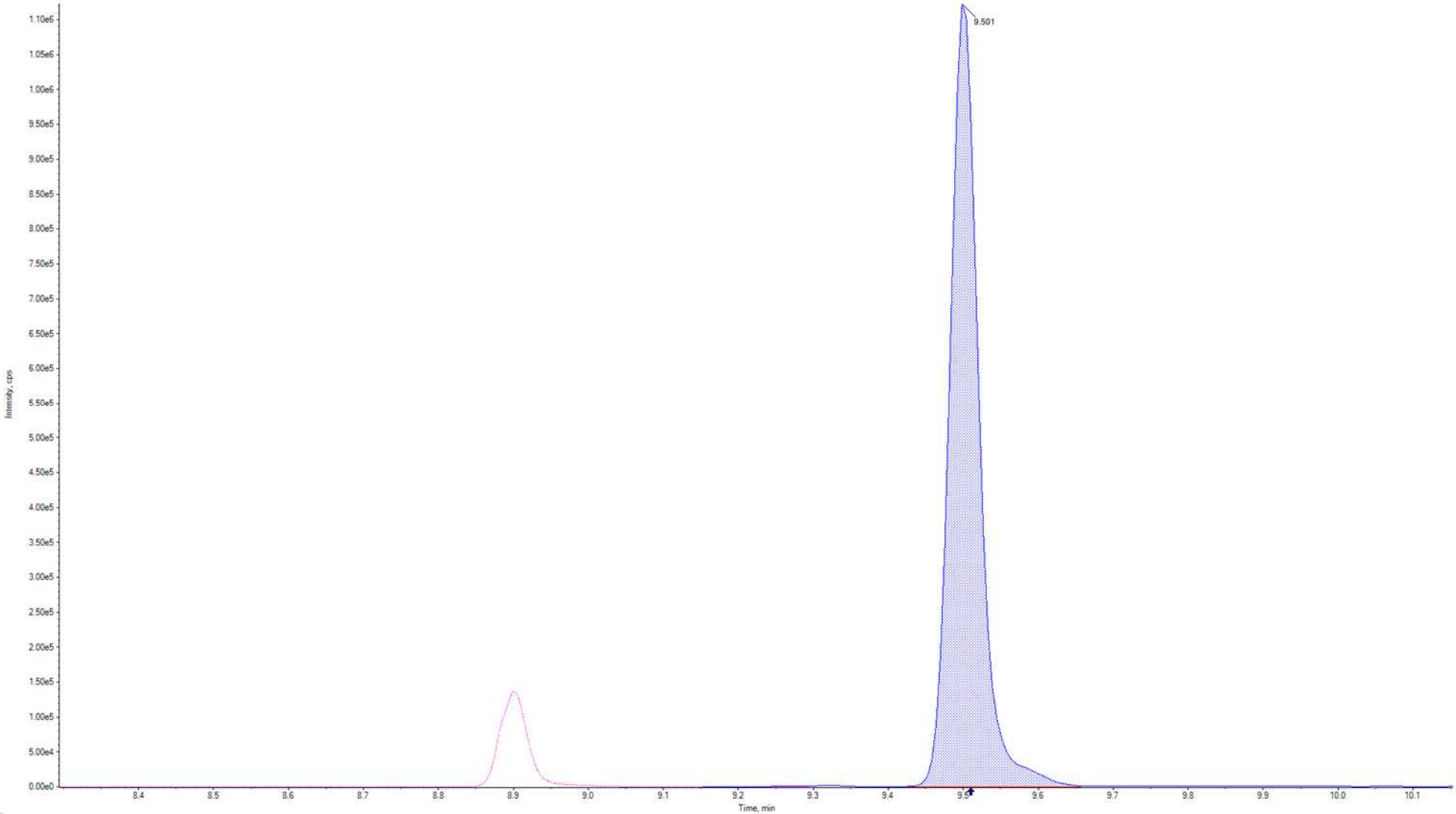

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTrDA_2
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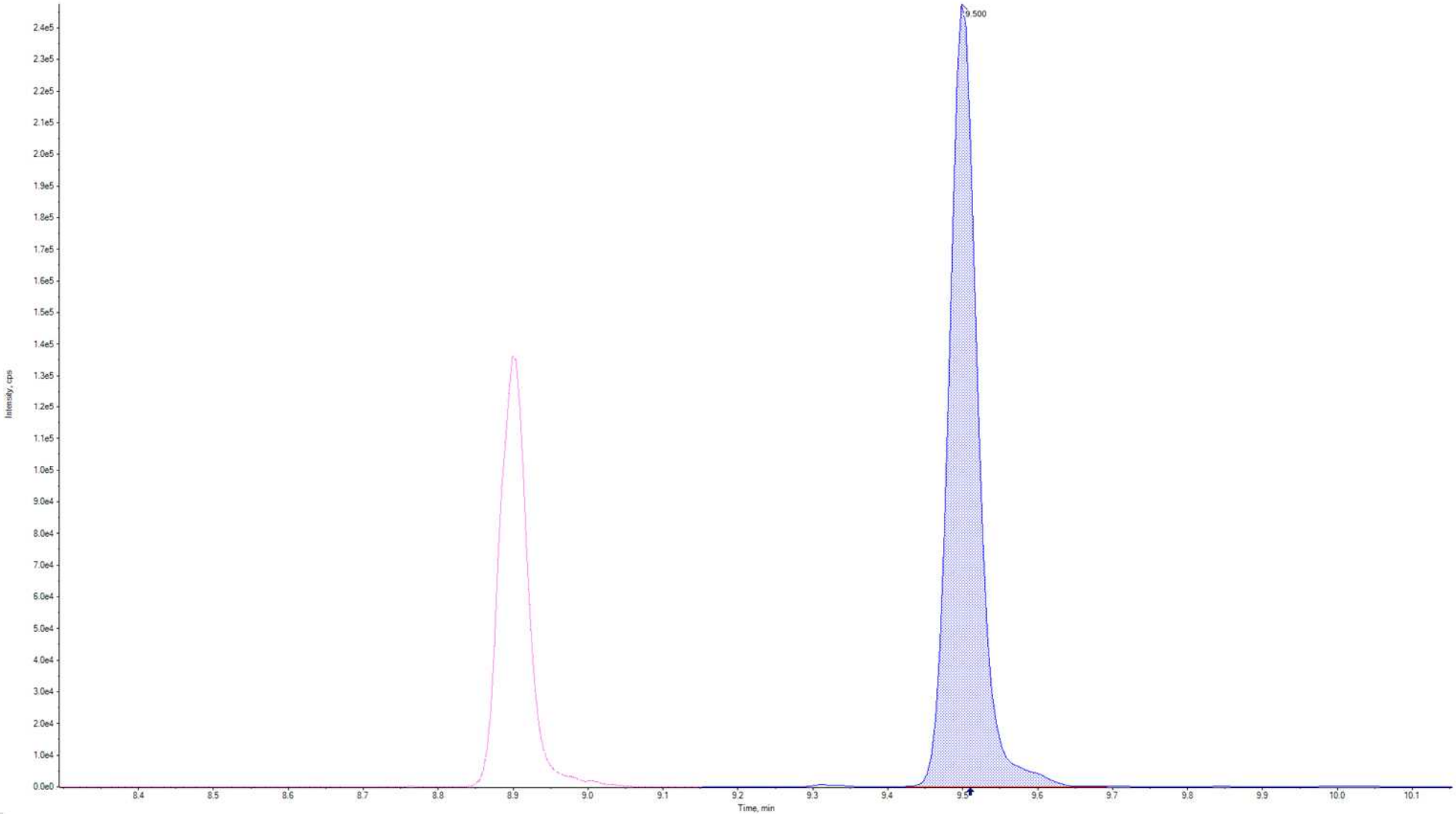
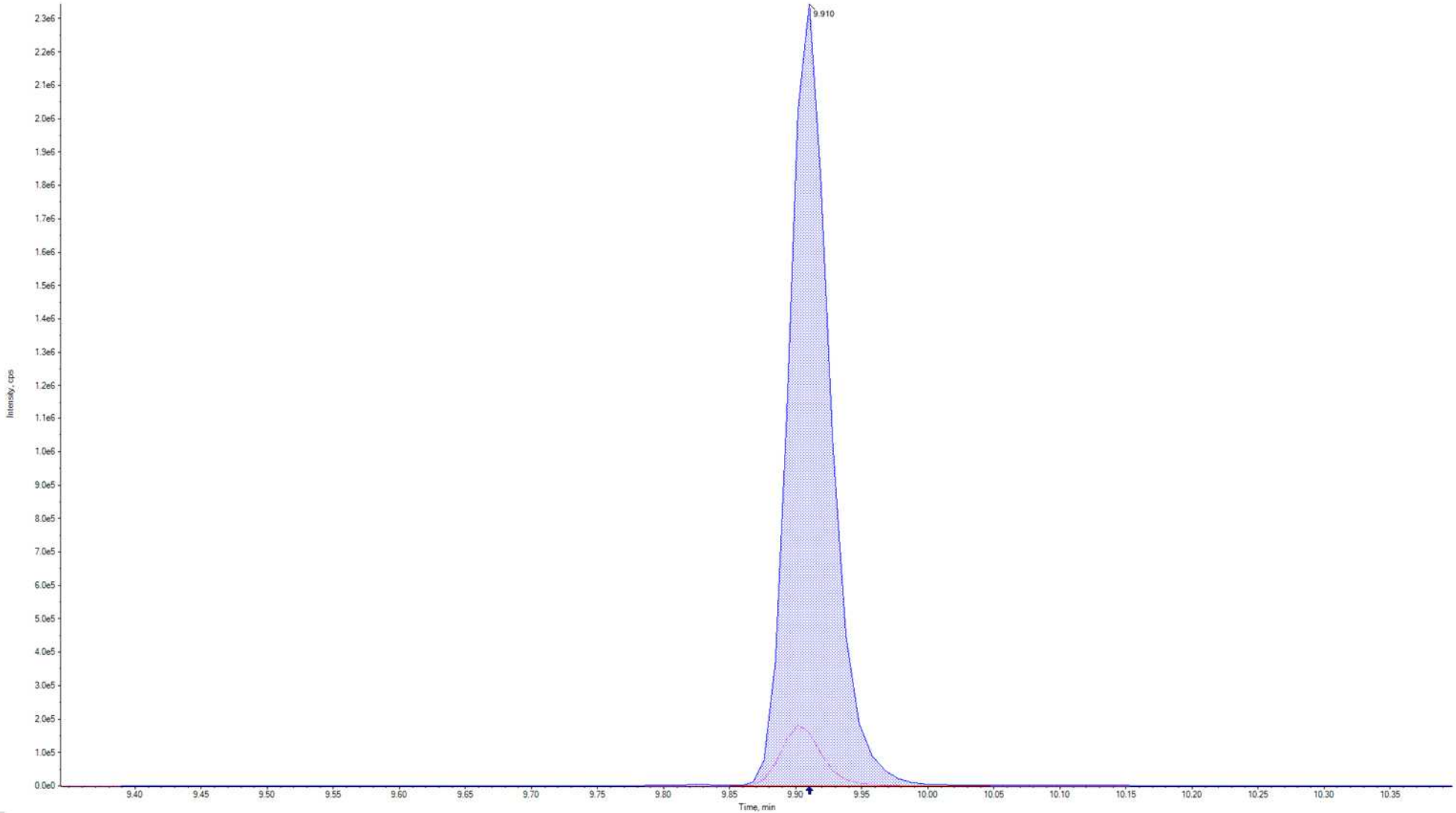


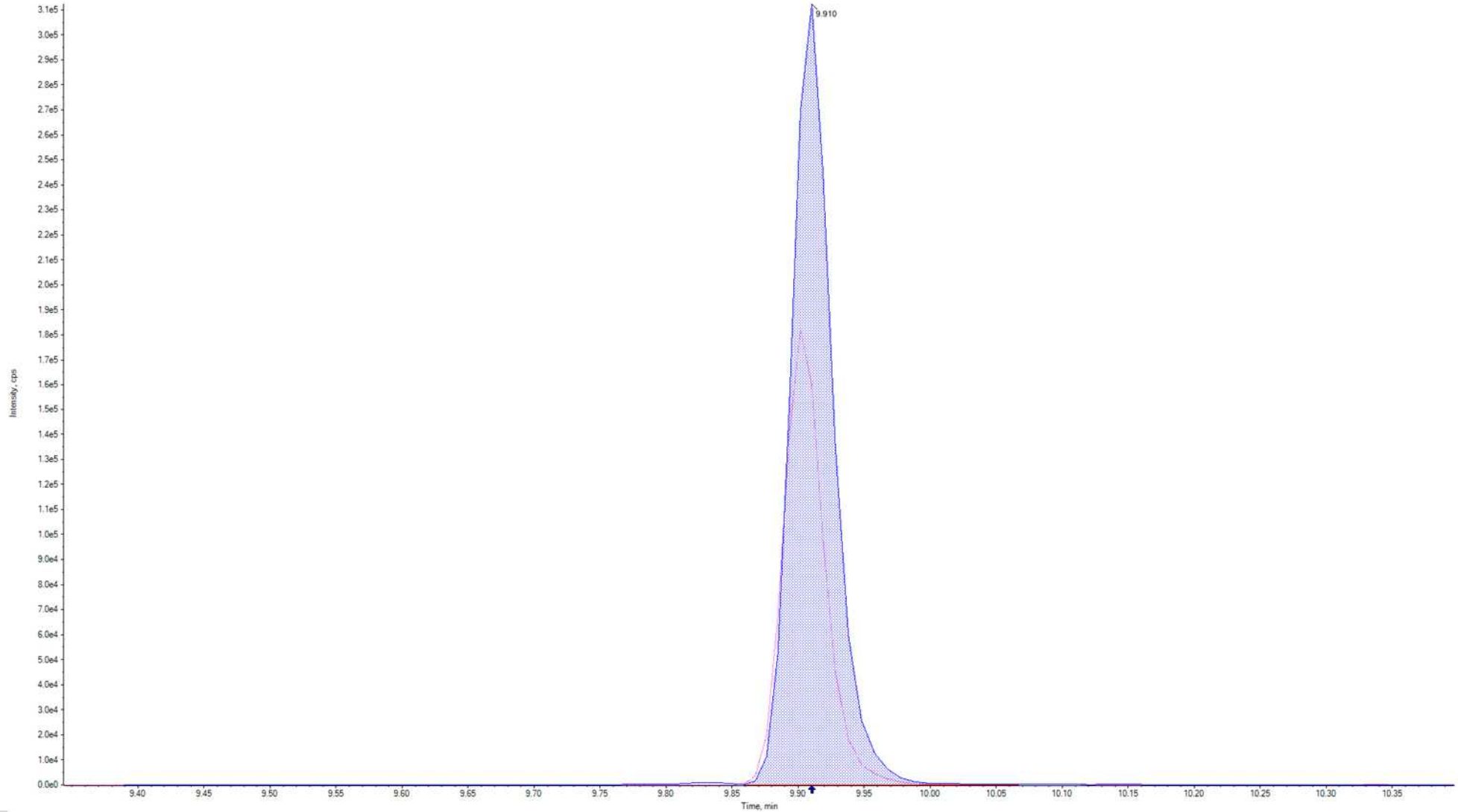
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-12.5 S/N:6010.5 Points Across peak:22



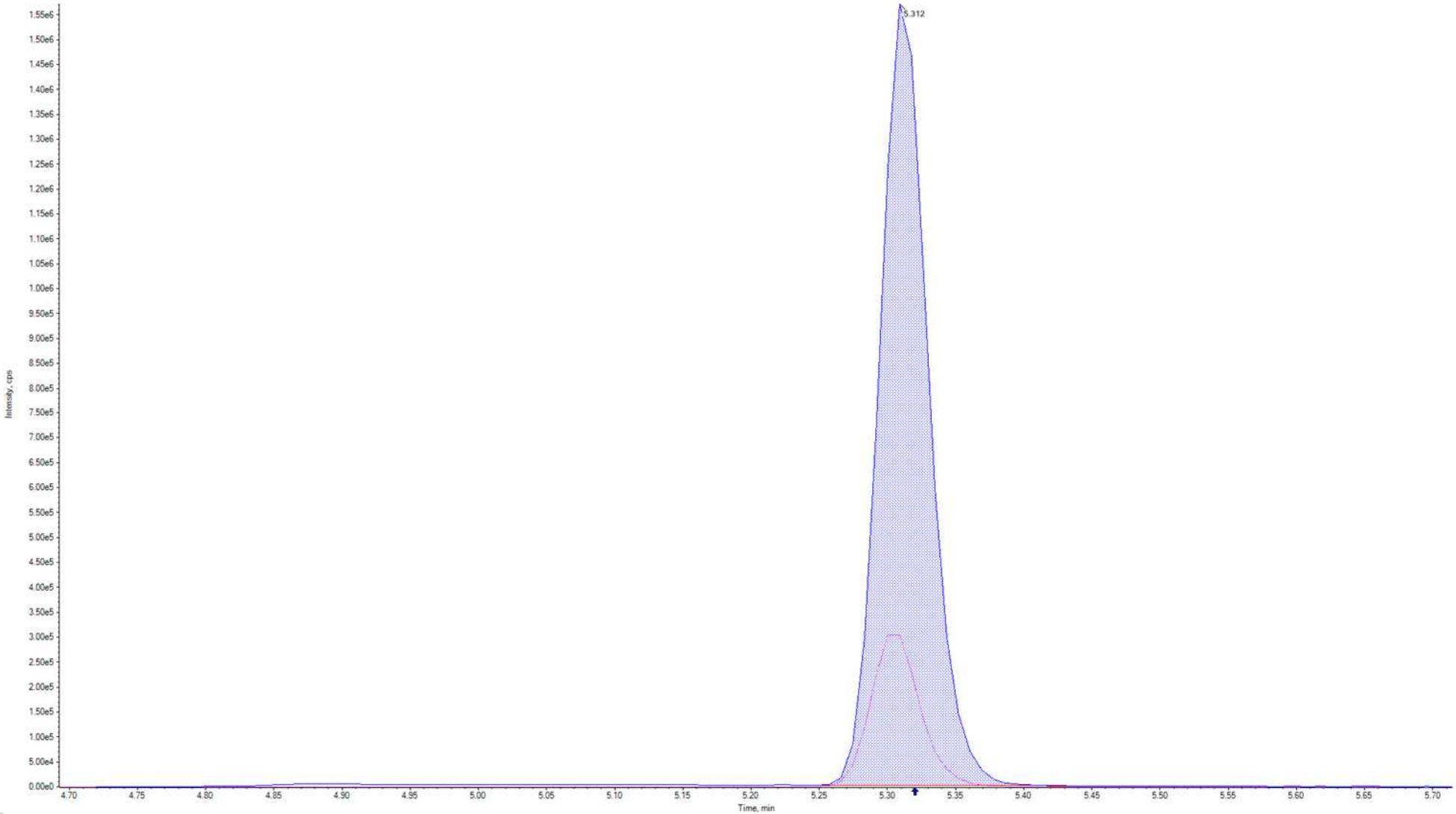
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-12.5 S/N:1145511.7 Points Across peak:23



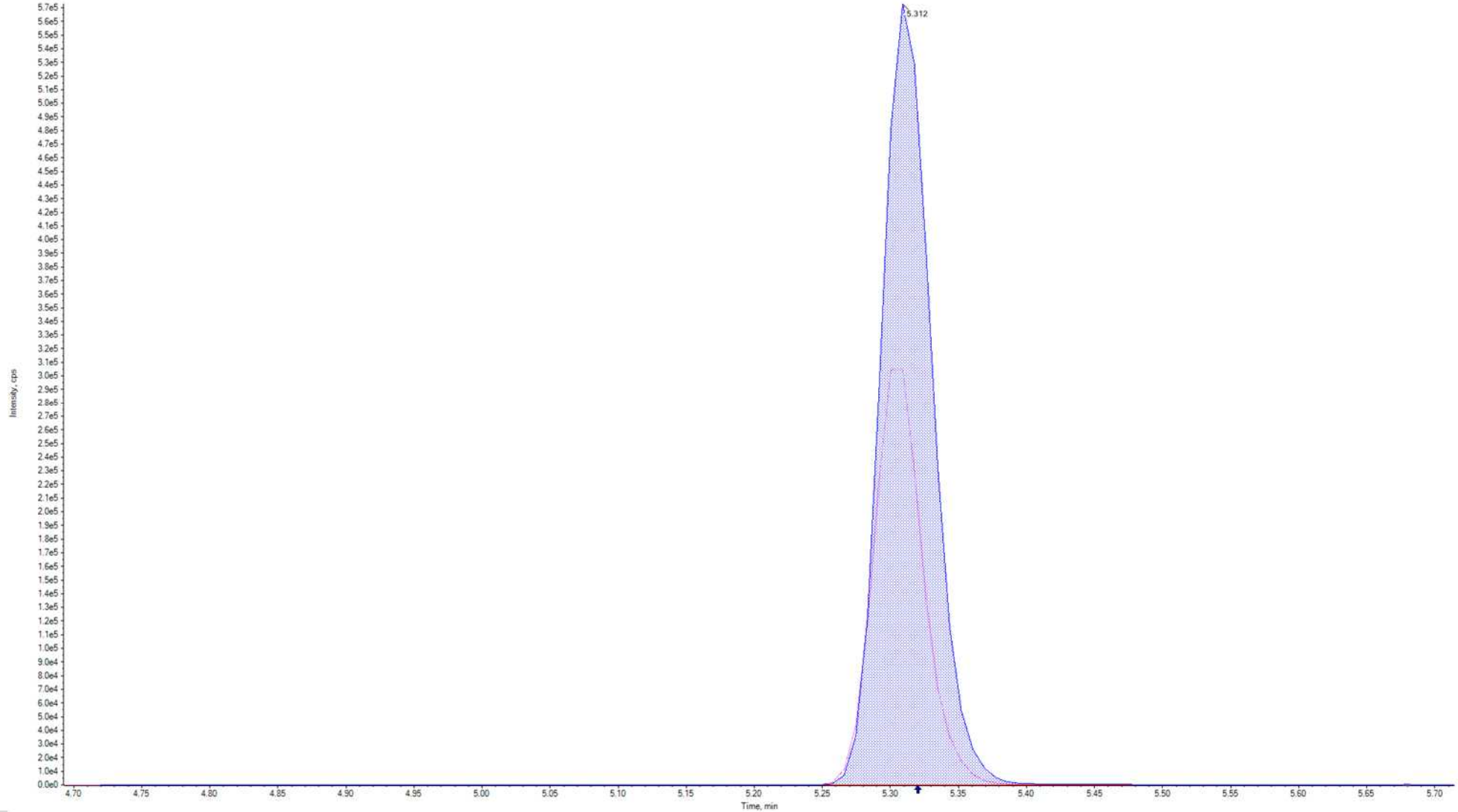
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-12.5 S/N:86.5 Points Across peak:24



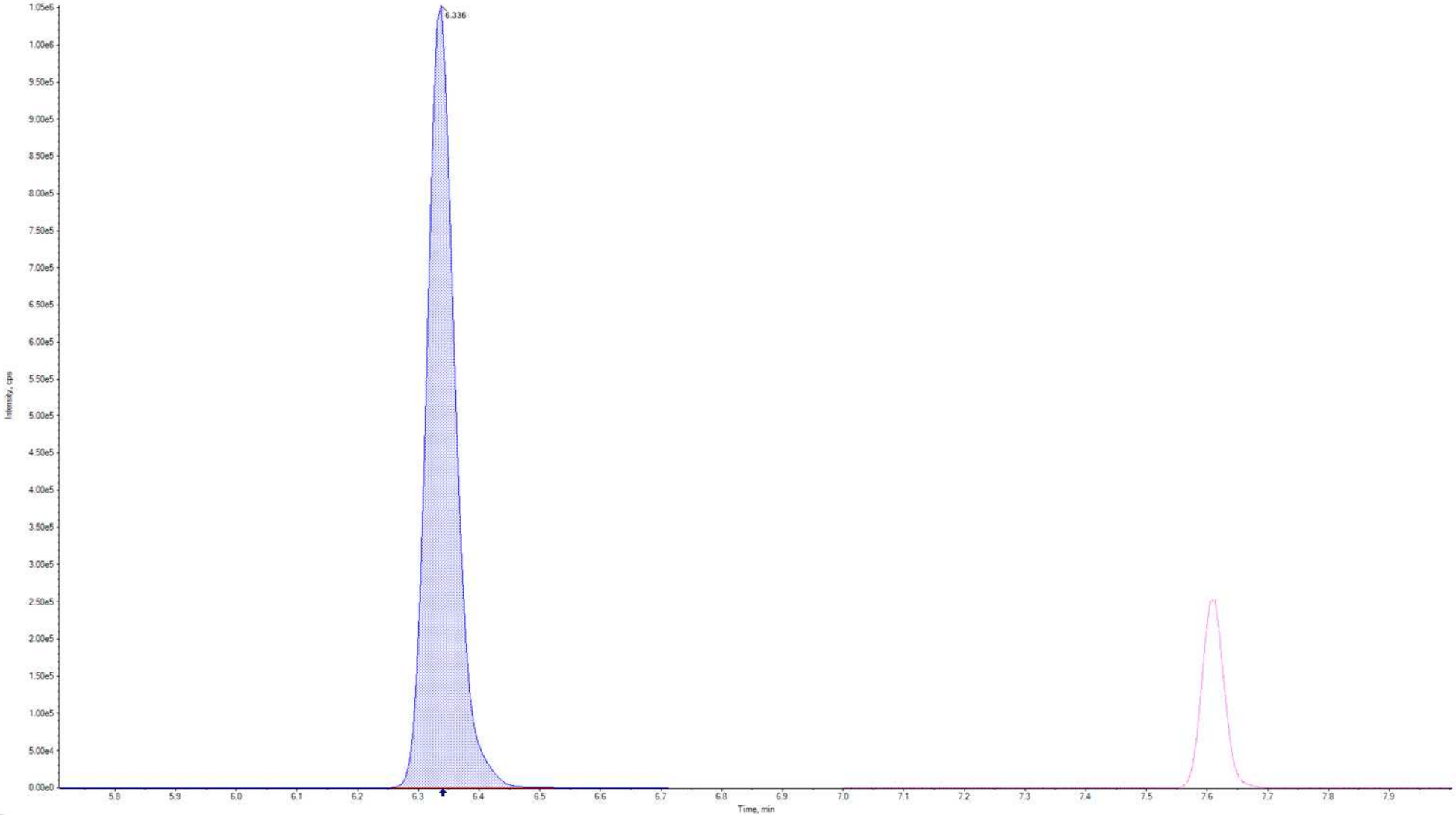
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-12.5 S/N:5836.6 Points Across peak:35



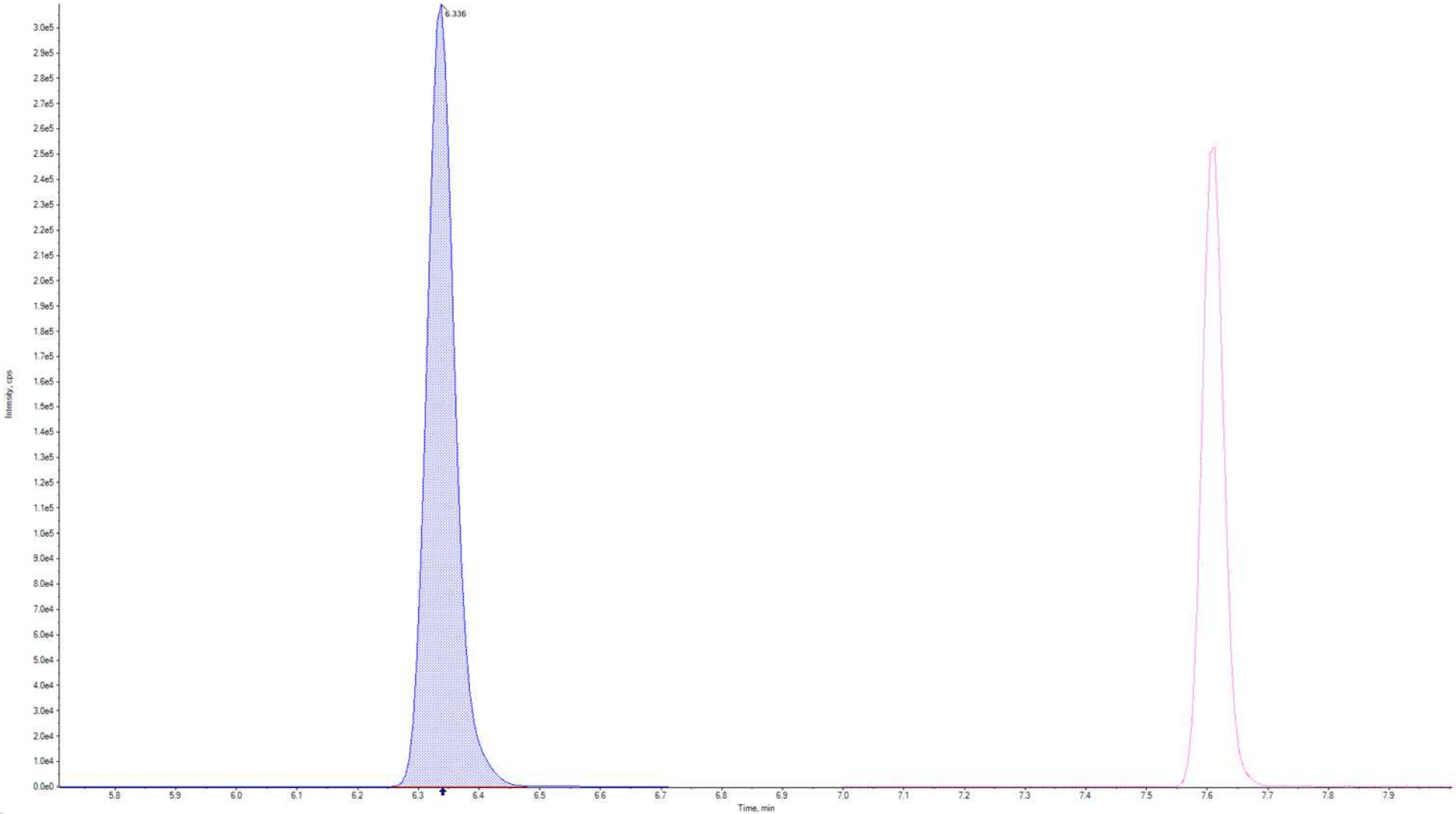
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-12.5 S/N:16268.6 Points Across peak:51



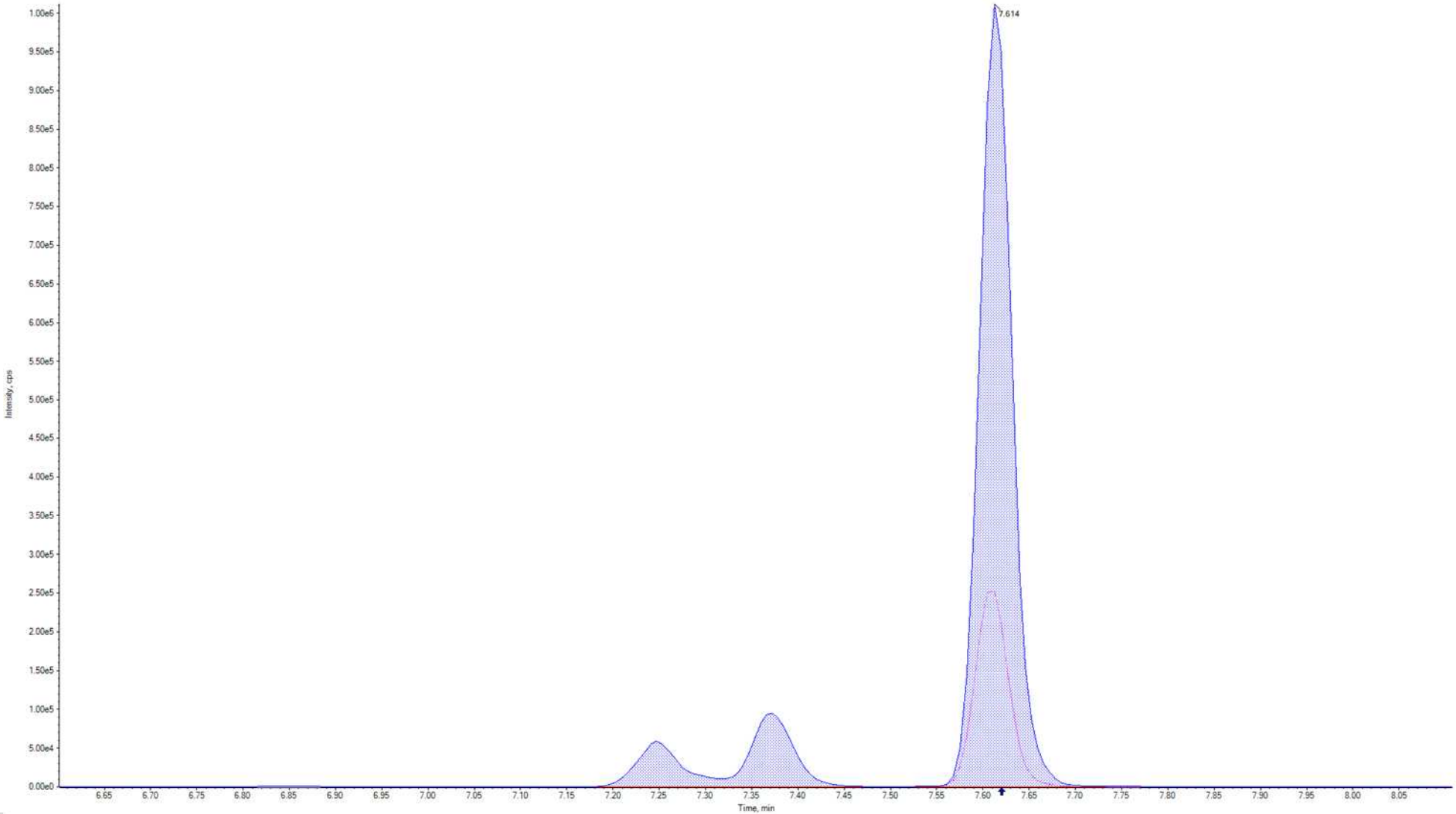
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-12.5 S/N:17419.2 Points Across peak:38



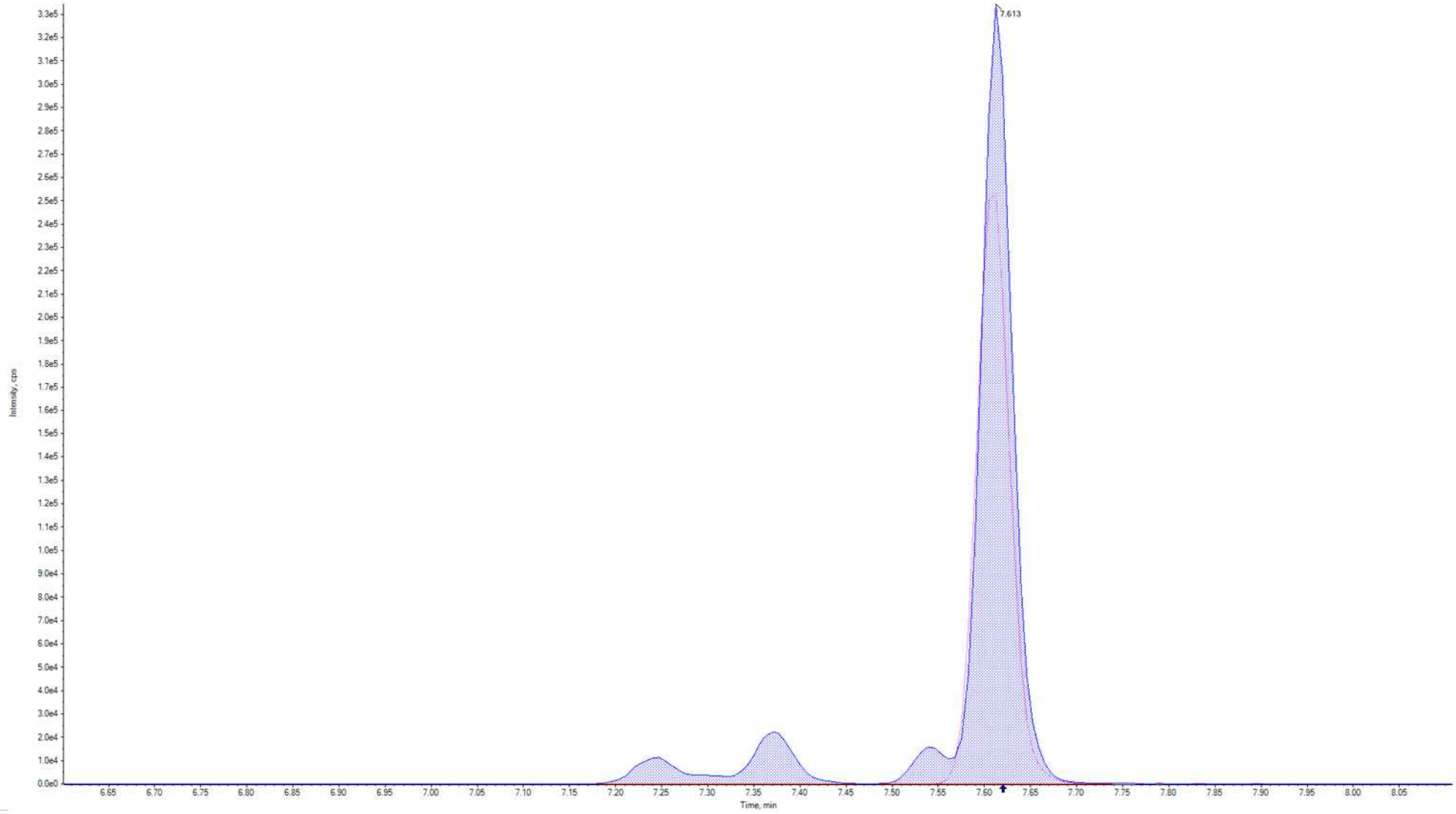
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-12.5 S/N:20016.6 Points Across peak:89



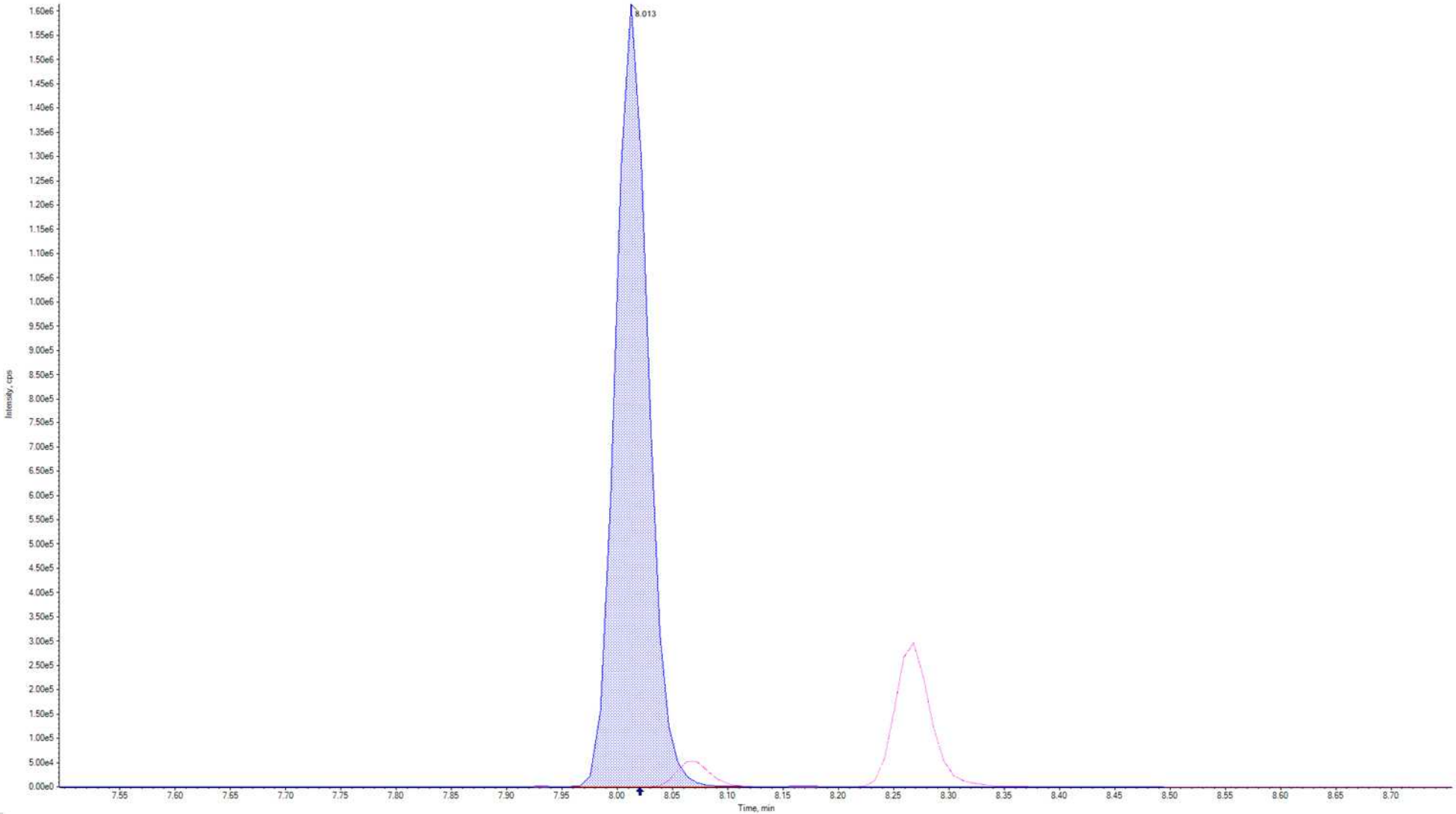
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-12.5 S/N:58429.5 Points Across peak:94



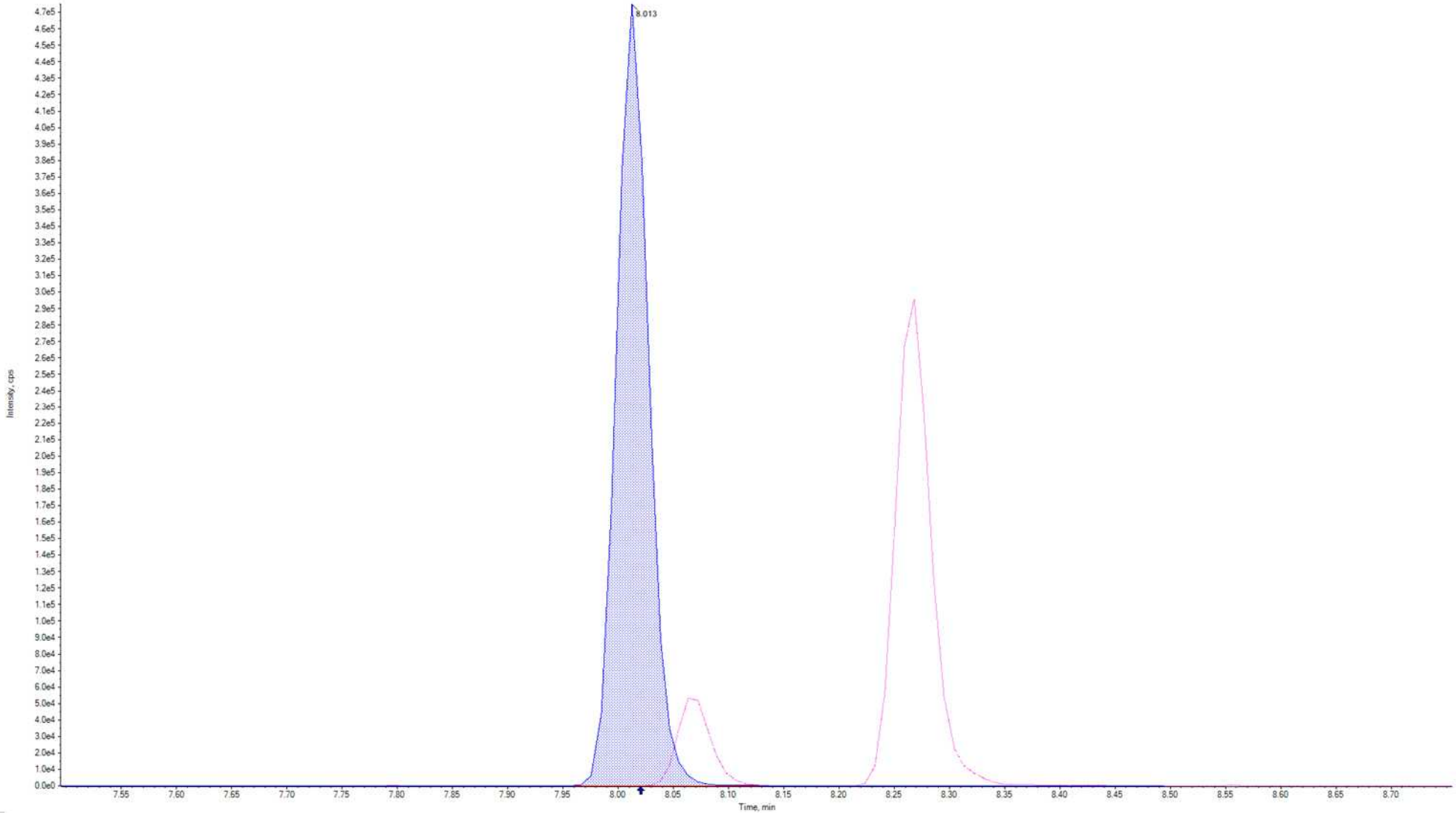
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-12.5 S/N:17355.8 Points Across peak:21



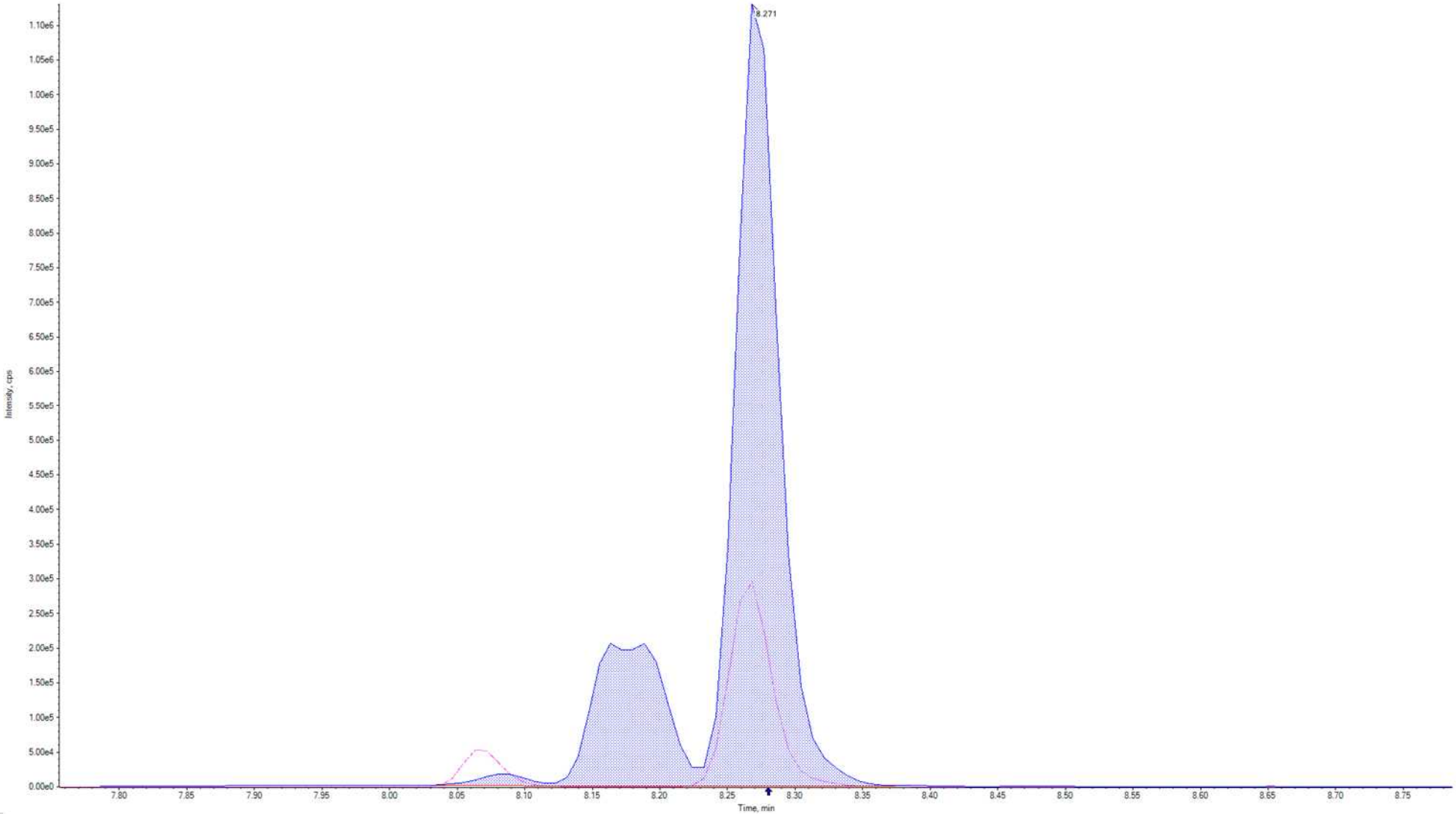
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-12.5 S/N:2907.3 Points Across peak:23



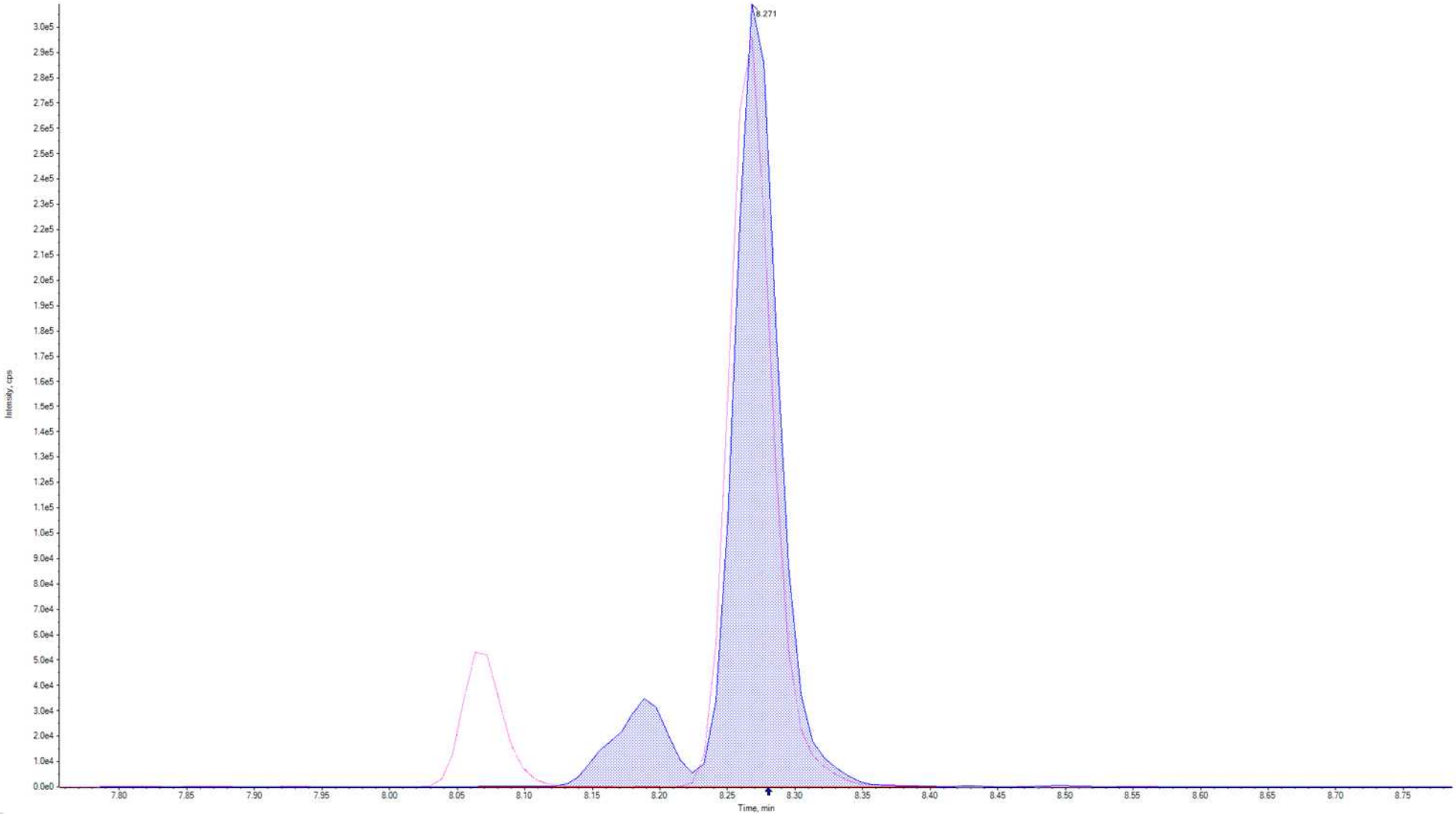
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-12.5 S/N:3547.5 Points Across peak:42



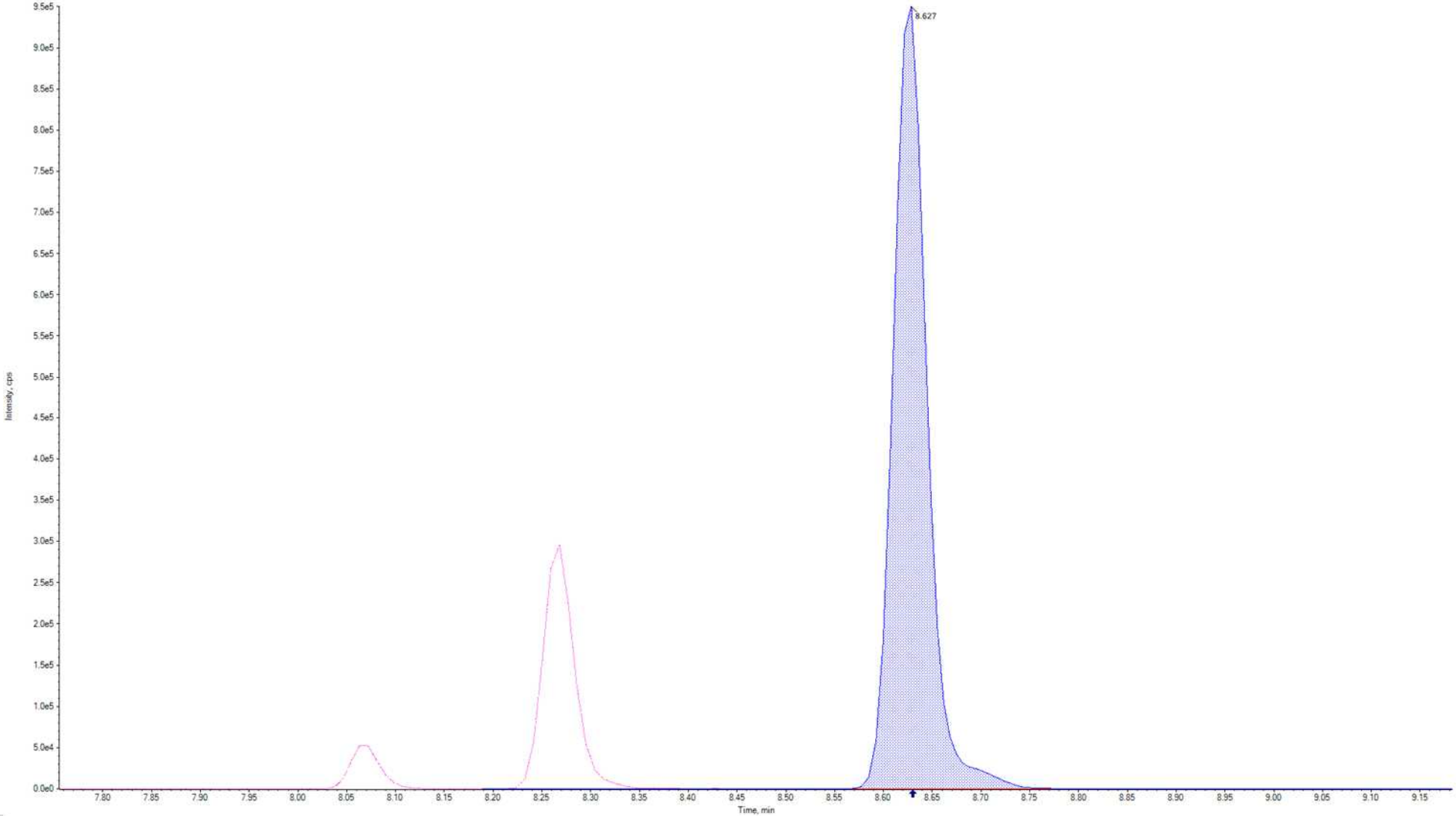
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-12.5 S/N:2106.3 Points Across peak:44



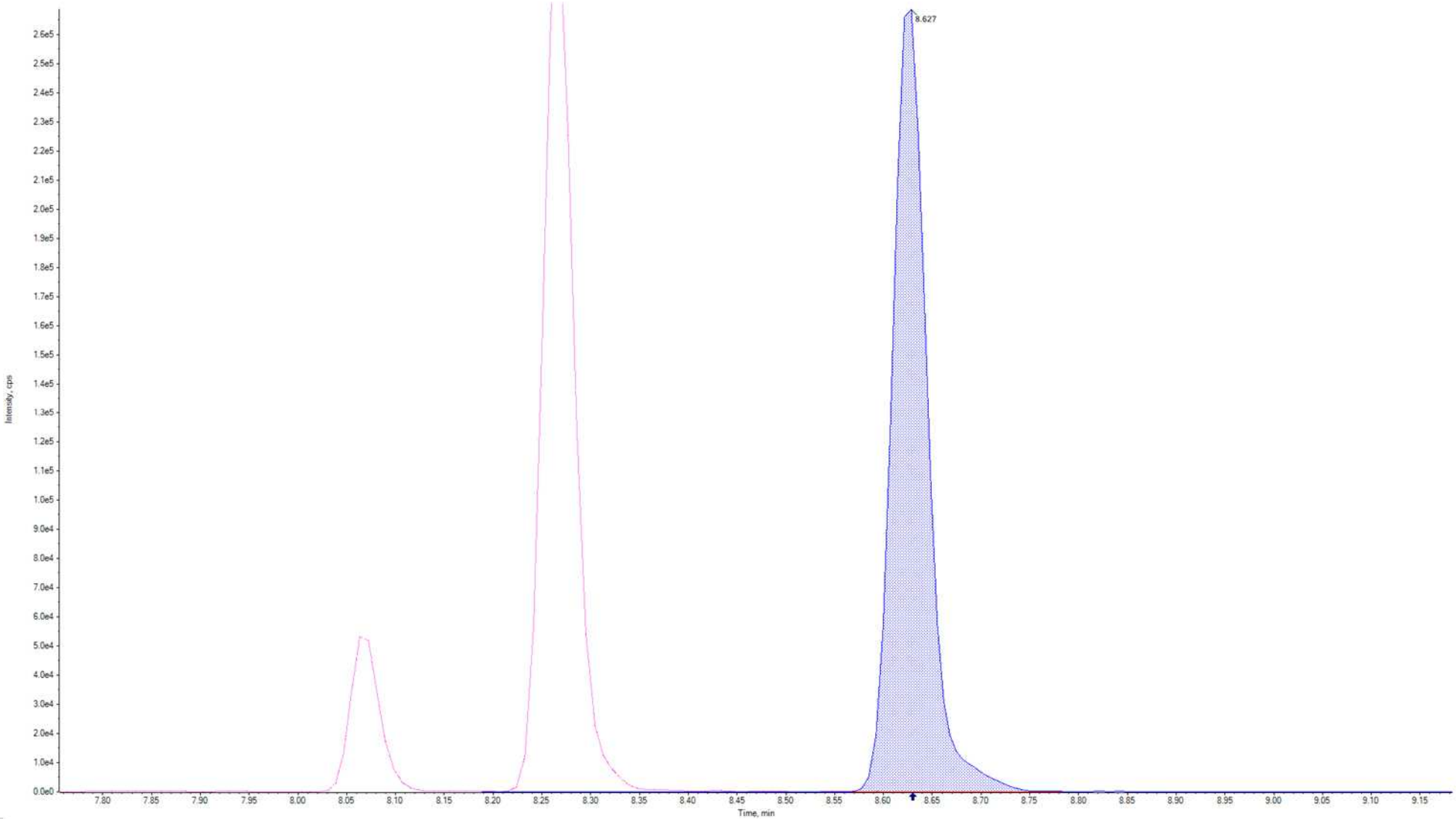
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-12.5 S/N:8537.6 Points Across peak:43



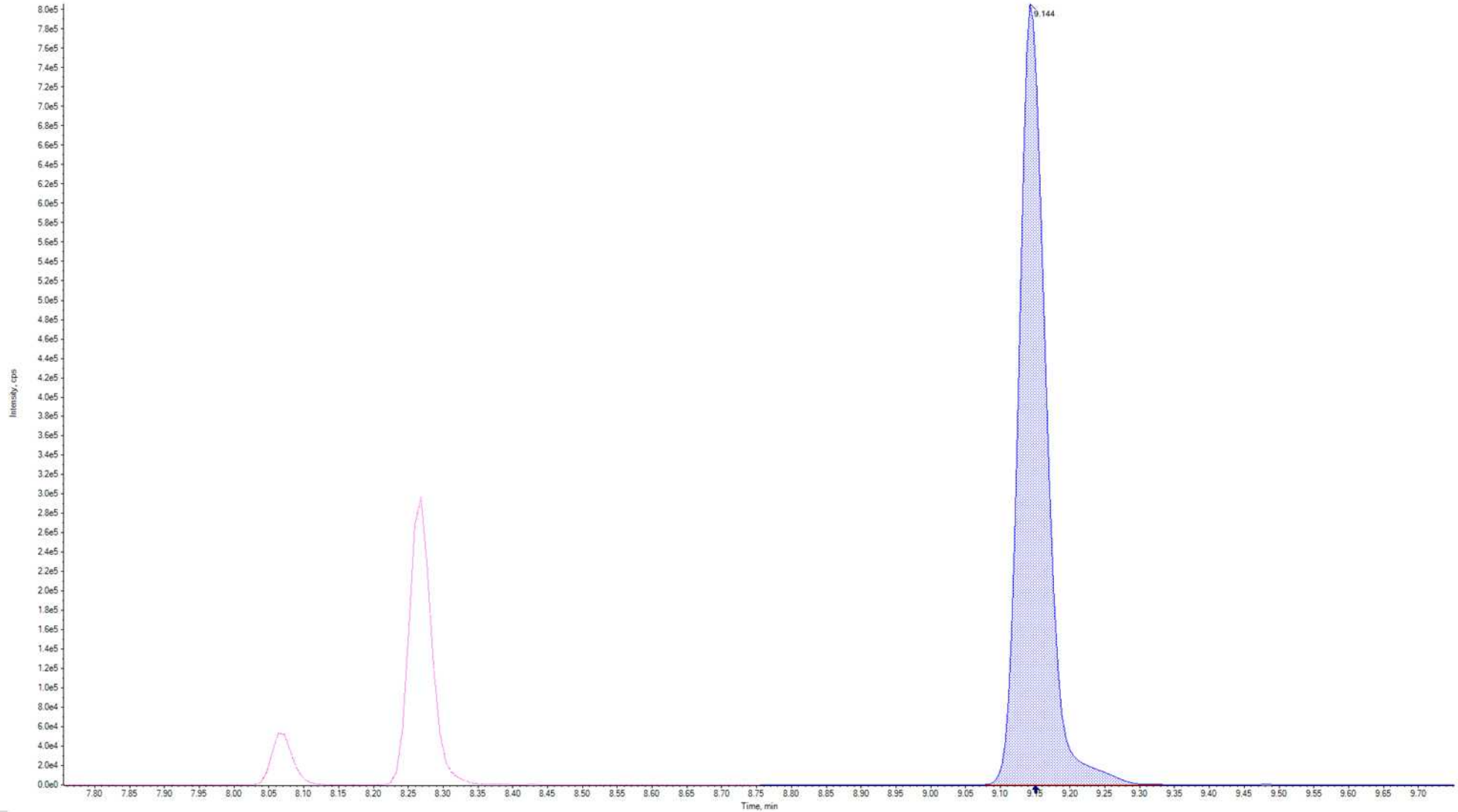
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-12.5 S/N:6494.8 Points Across peak:40



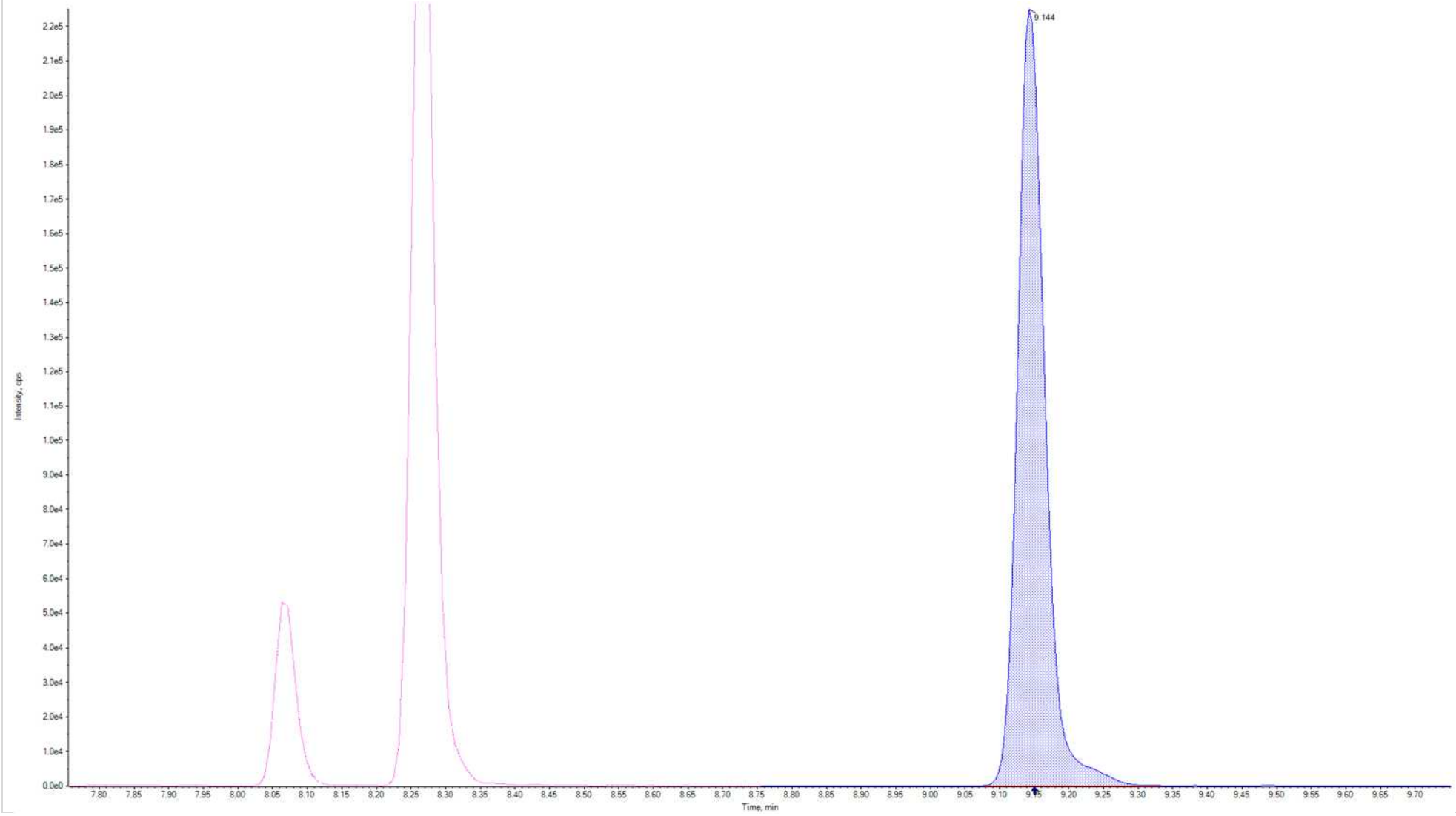
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-12.5 S/N:33767.3 Points Across peak:61



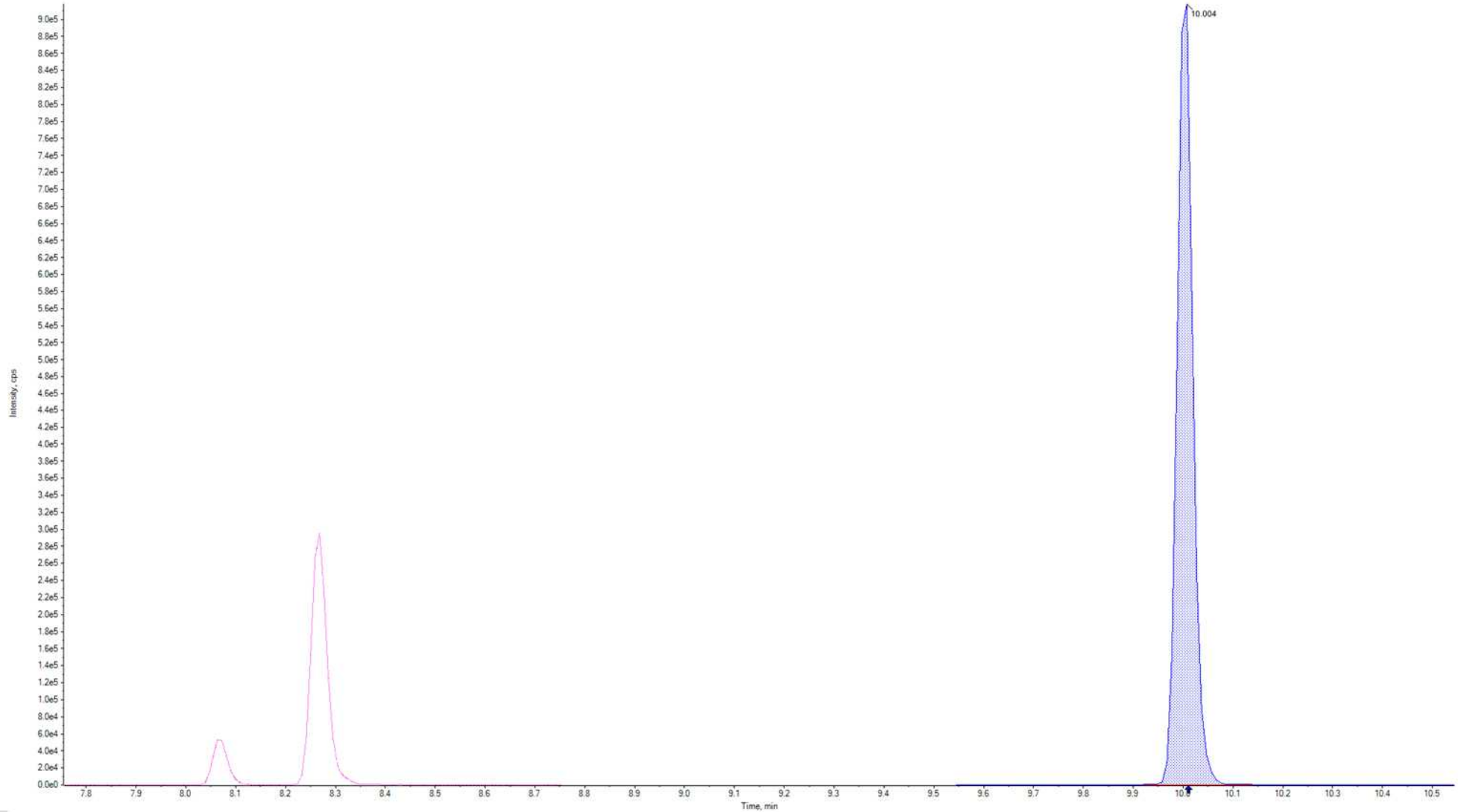
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-12.5 S/N:505551.9 Points Across peak:53



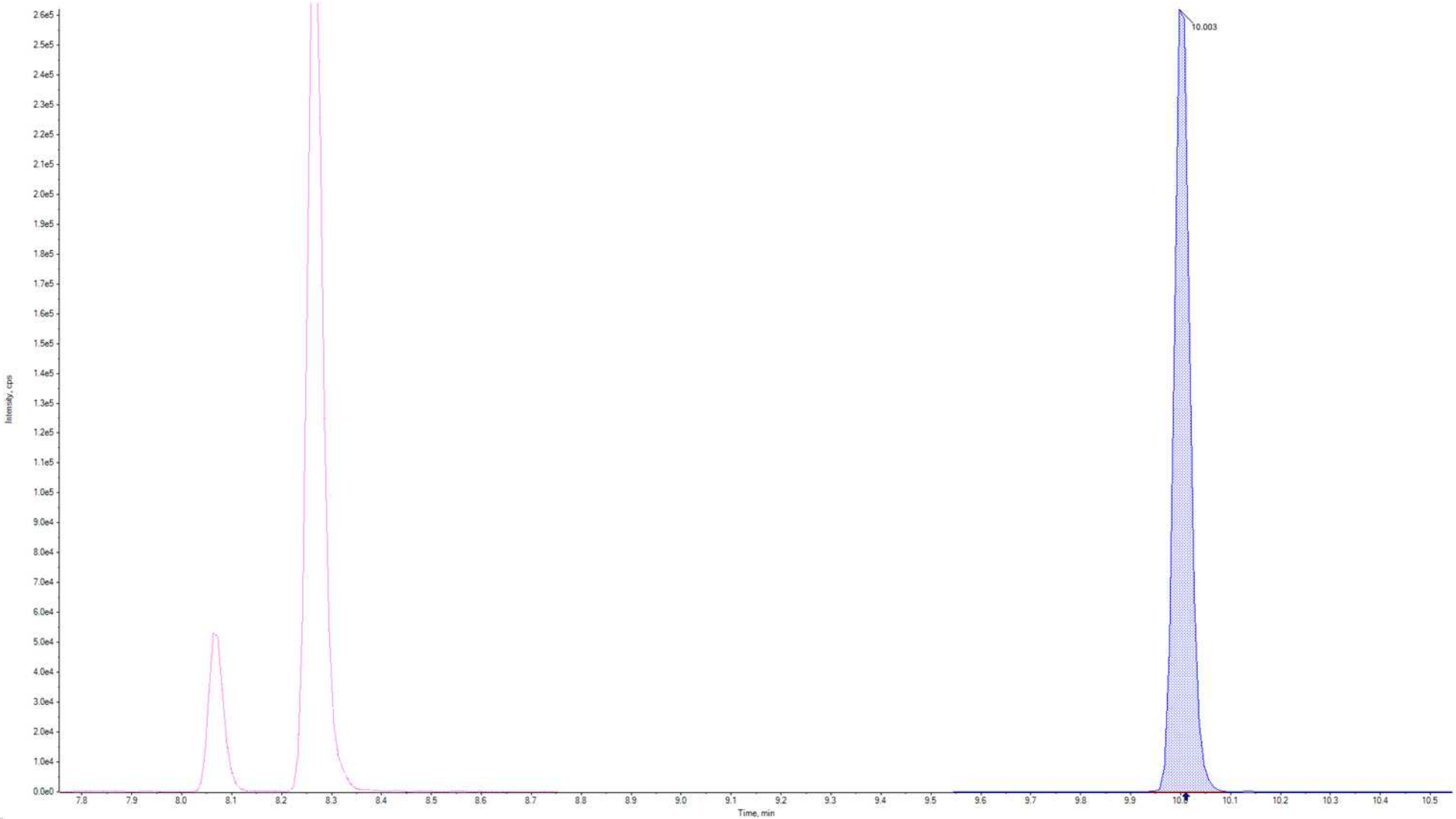
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-12.5 S/N:10089.2 Points Across peak:42

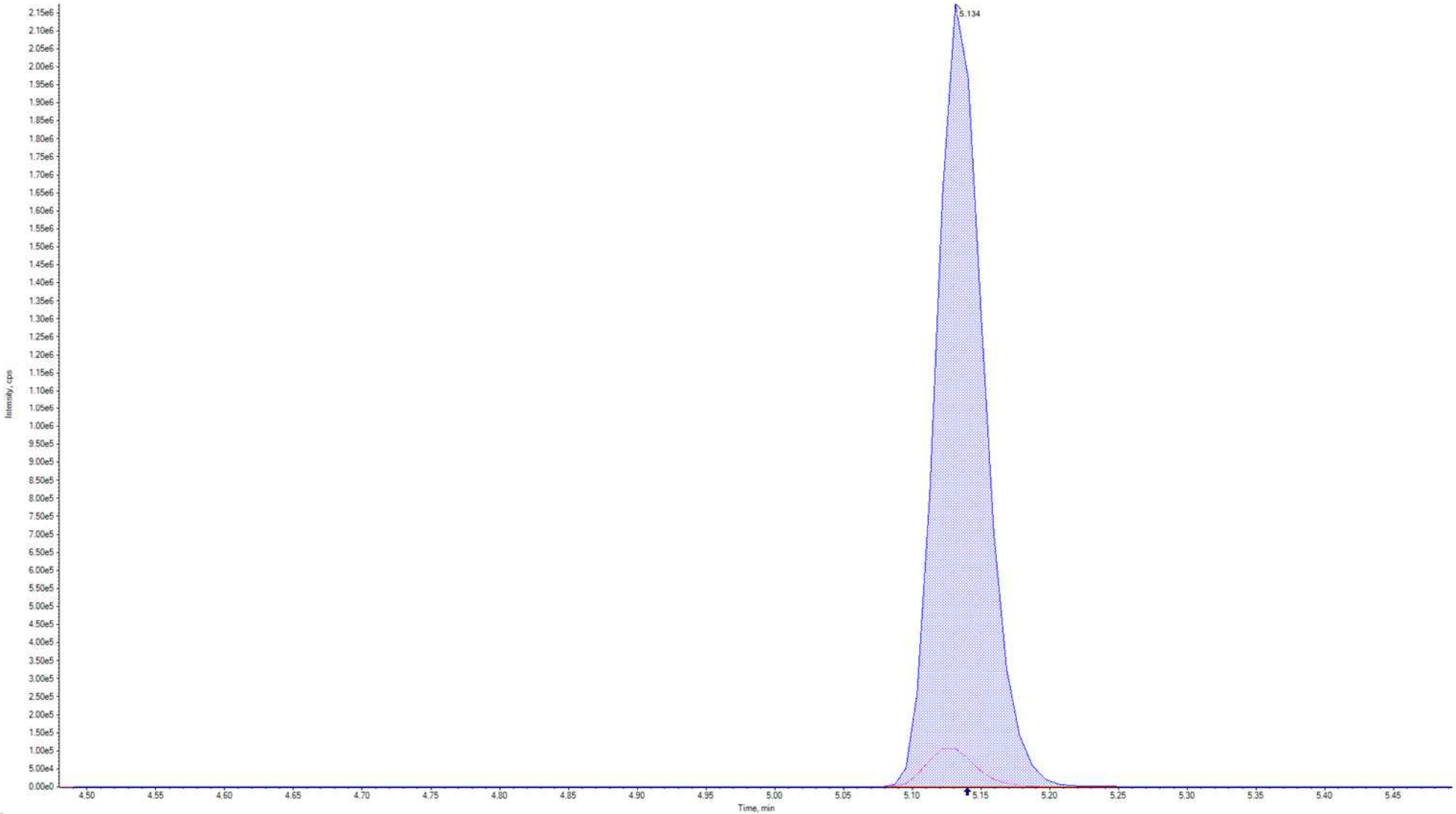


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

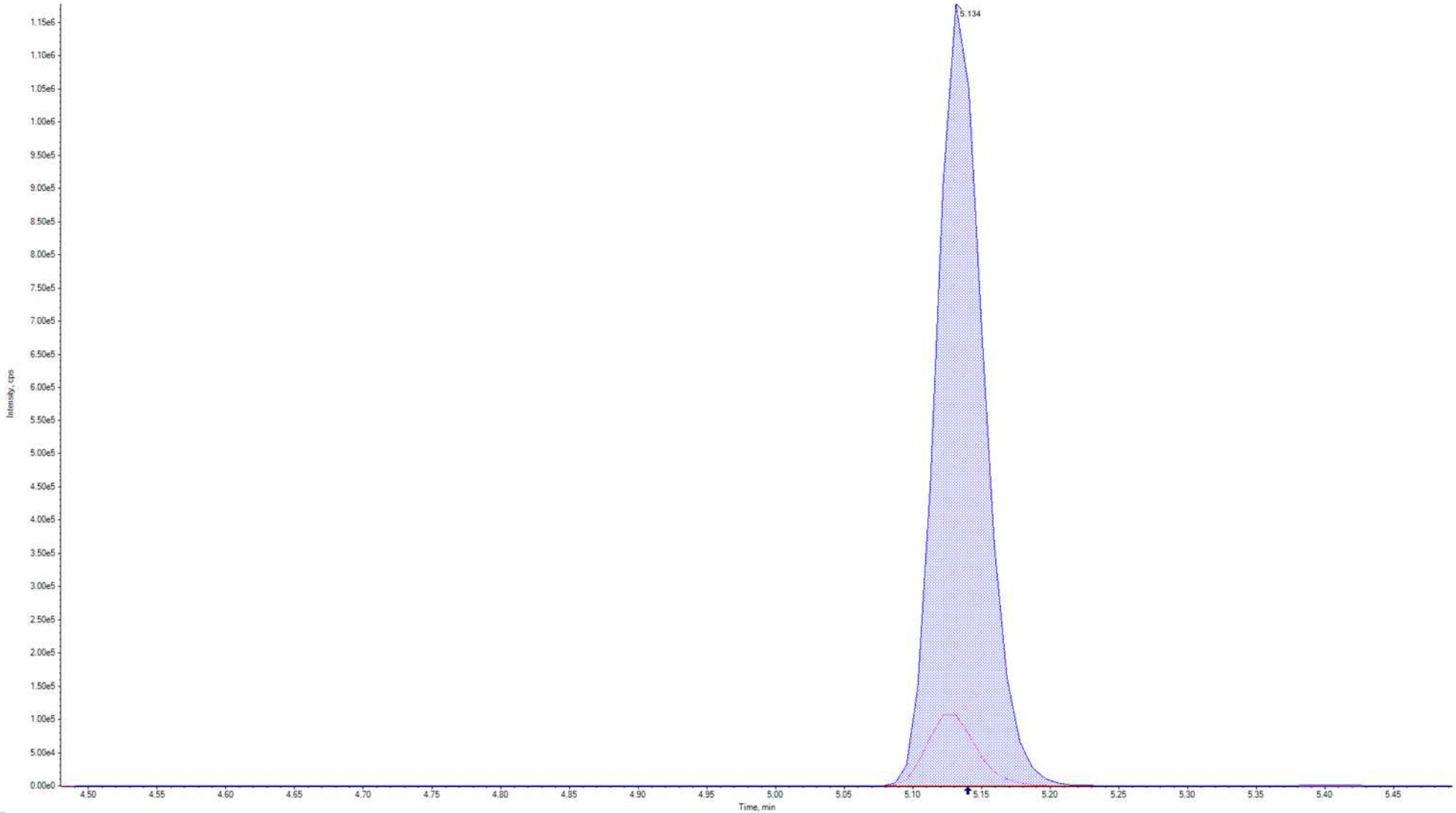
PFDoS_2
Sample: IA1633STD-12.5 S/N:2732.7 Points Across peak:21



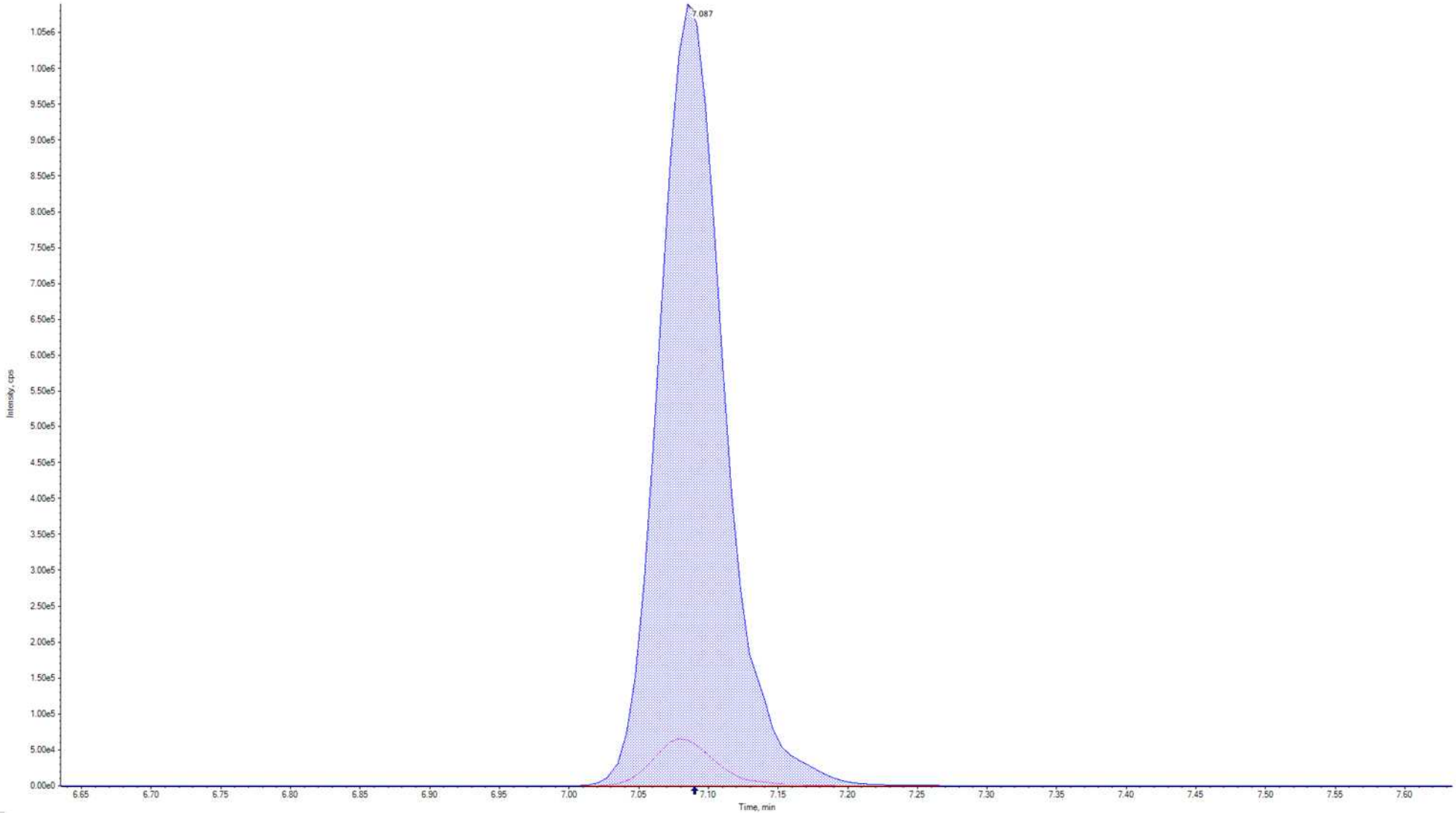
4:2FTS
Sample: IA1633STD-12.5 S/N:2568647.3 Points Across peak:26



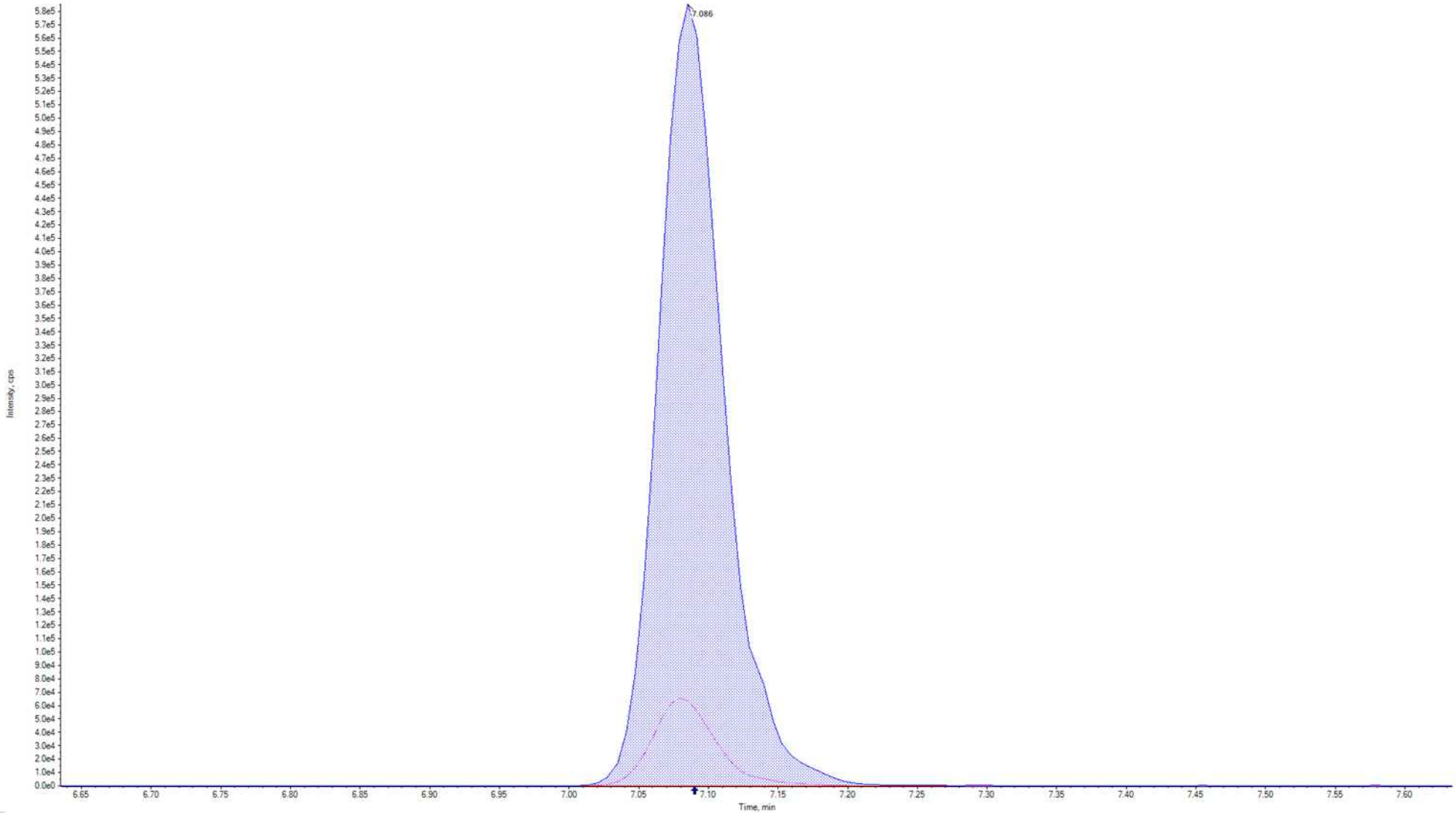
4:2FTS_2
Sample: IA1633STD-12.5 S/N:18681.1 Points Across peak:27



6:2FTS
Sample: IA1633STD-12.5 S/N:120969115.6 Points Across peak:51

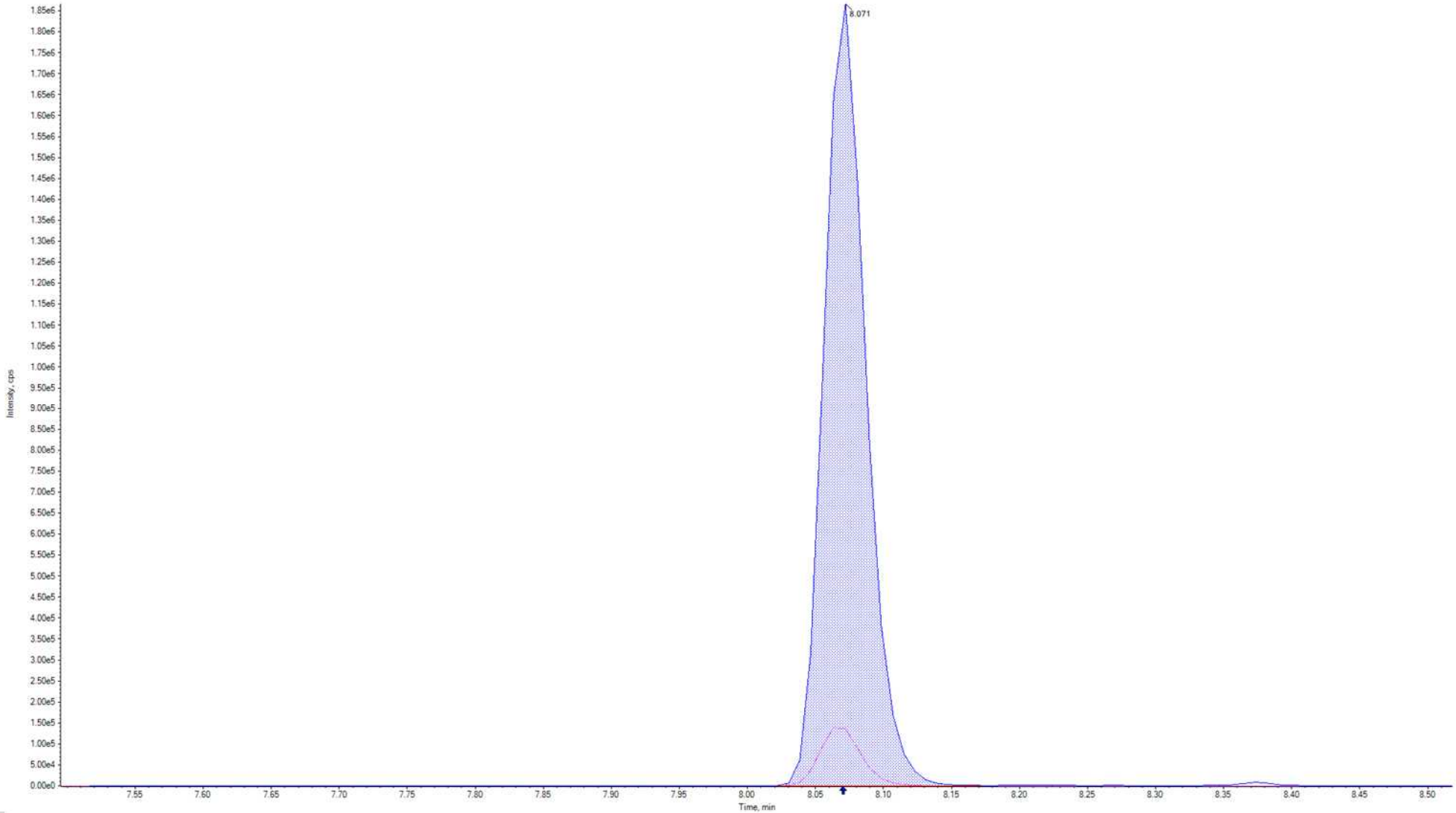


6:2FTS_2
Sample: IA1633STD-12.5 S/N:3466447.2 Points Across peak:51



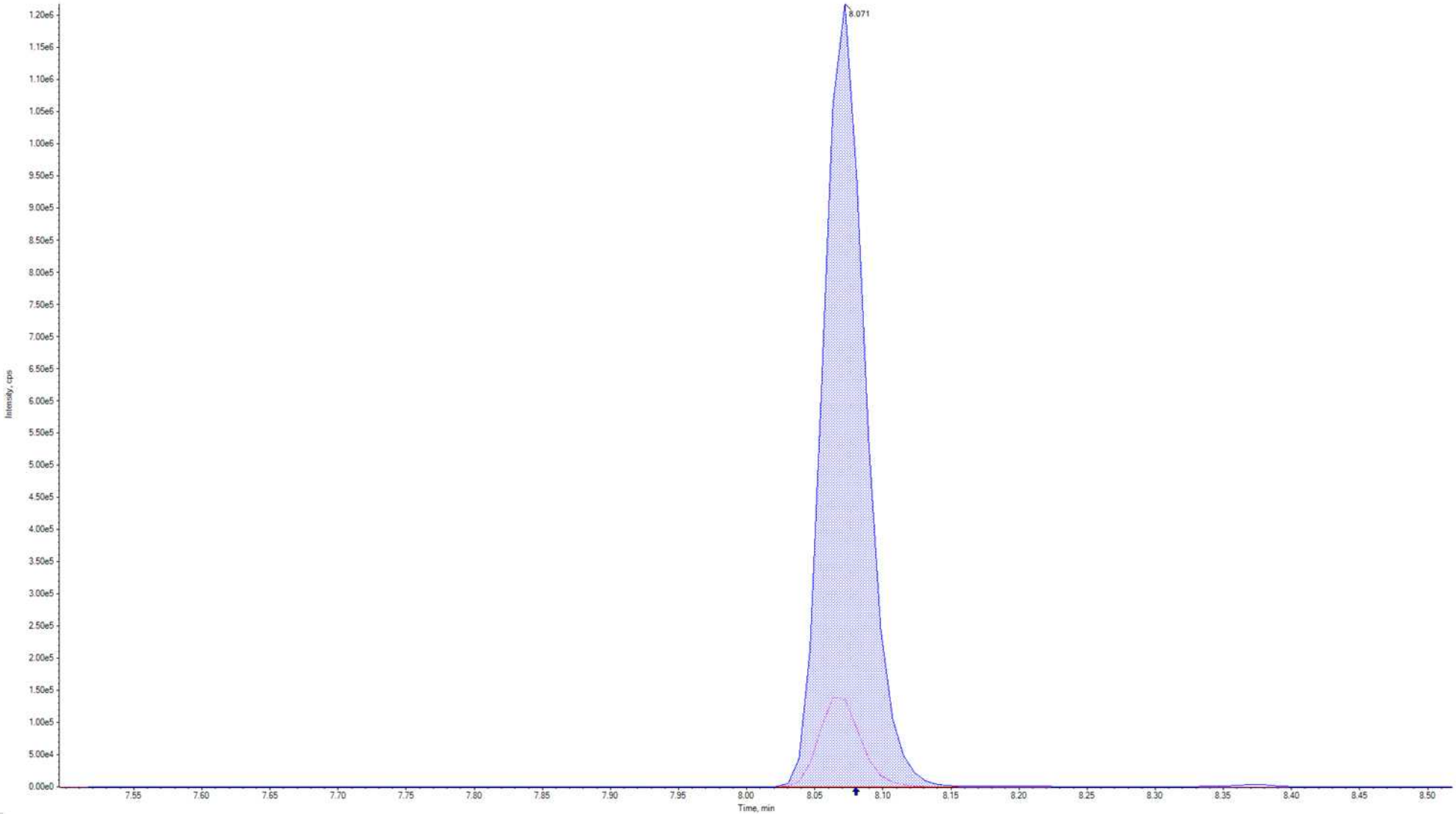
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-12.5 S/N:5812.1 Points Across peak:21



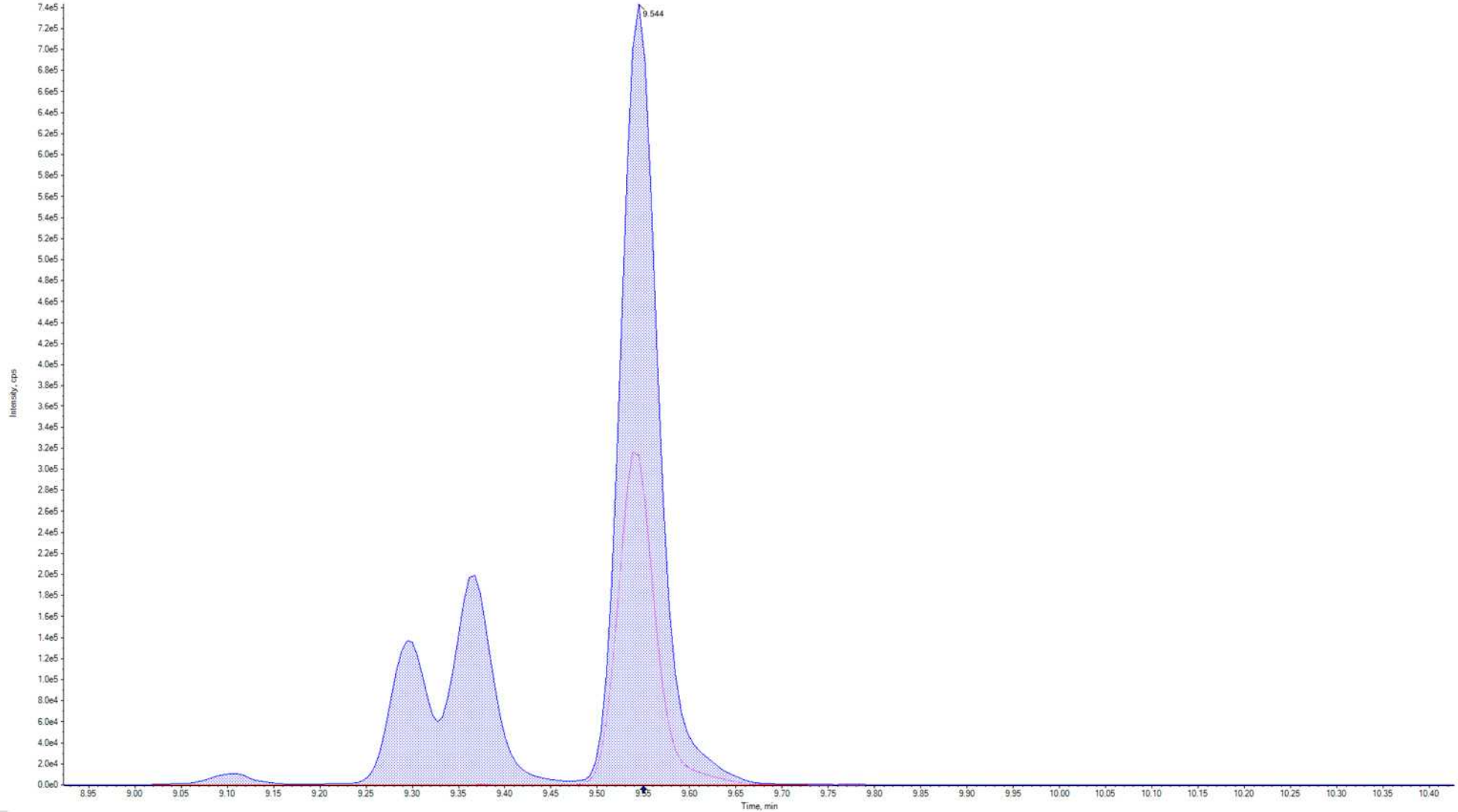
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-12.5 S/N:50696400.7 Points Across peak:18



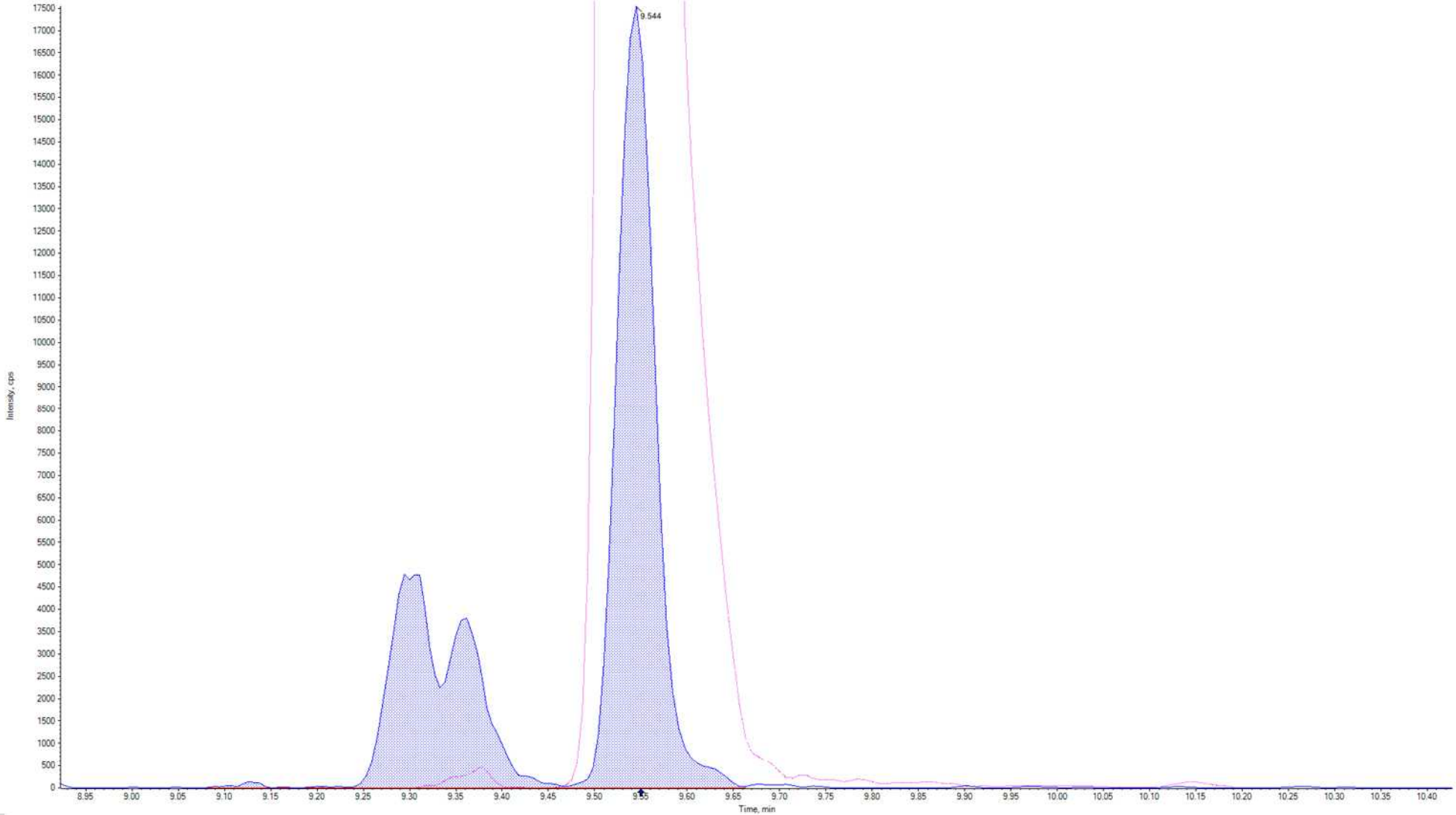
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-12.5 S/N:1226.0 Points Across peak:128

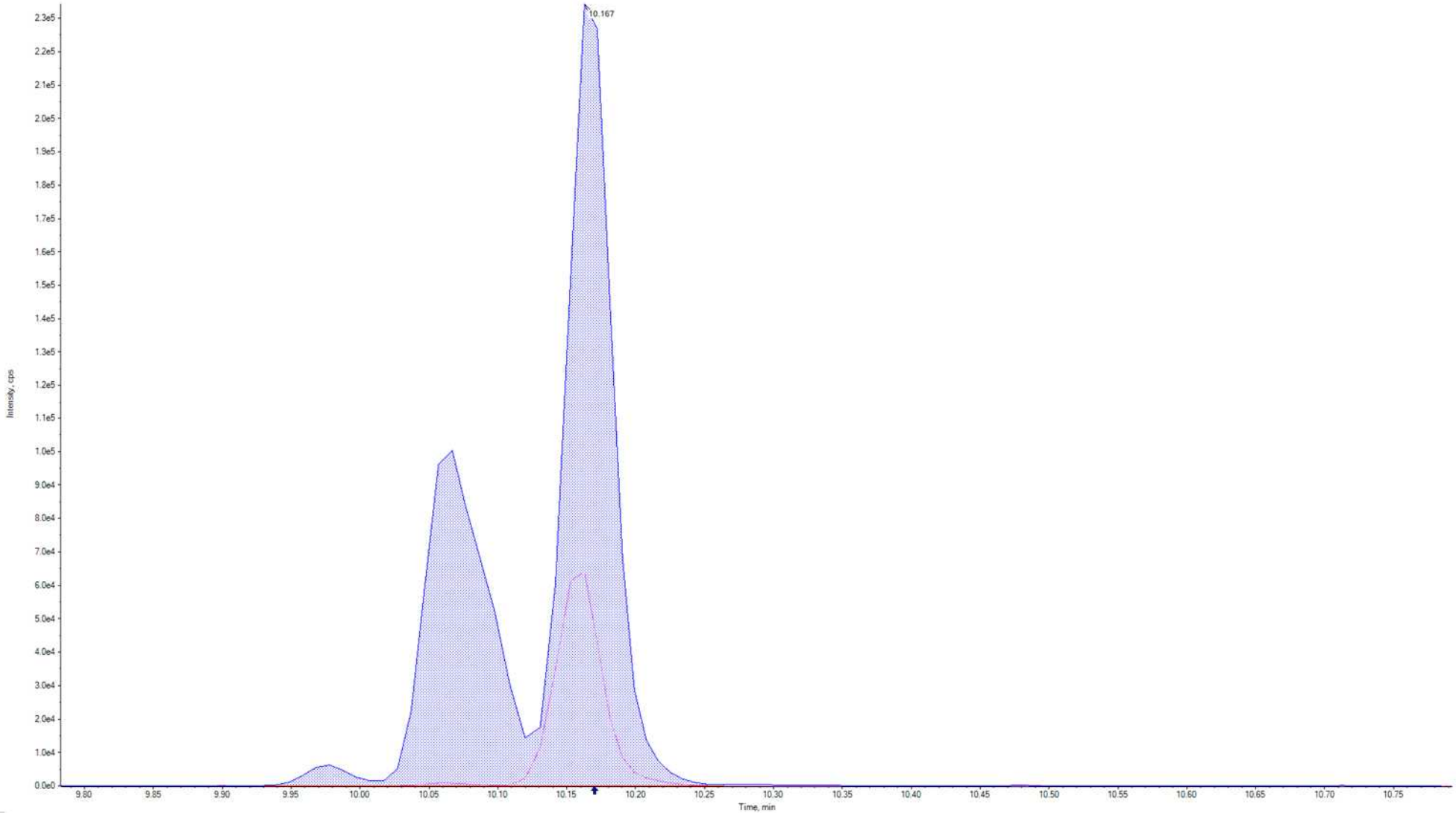


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-12.5 S/N:974.3 Points Across peak:104

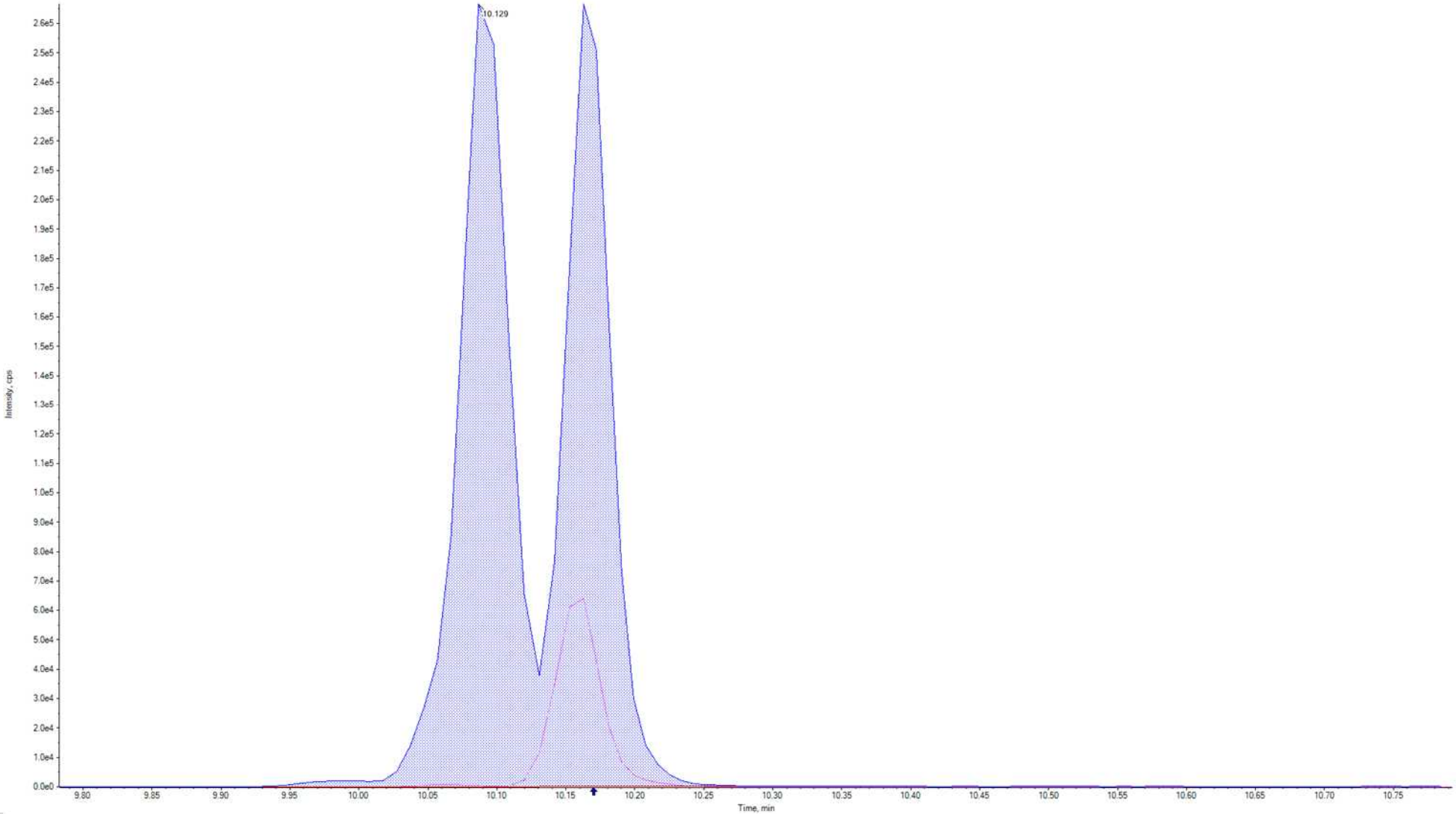


NMeFOSA
Sample: IA1633STD-12.5 S/N:6478.8 Points Across peak:37



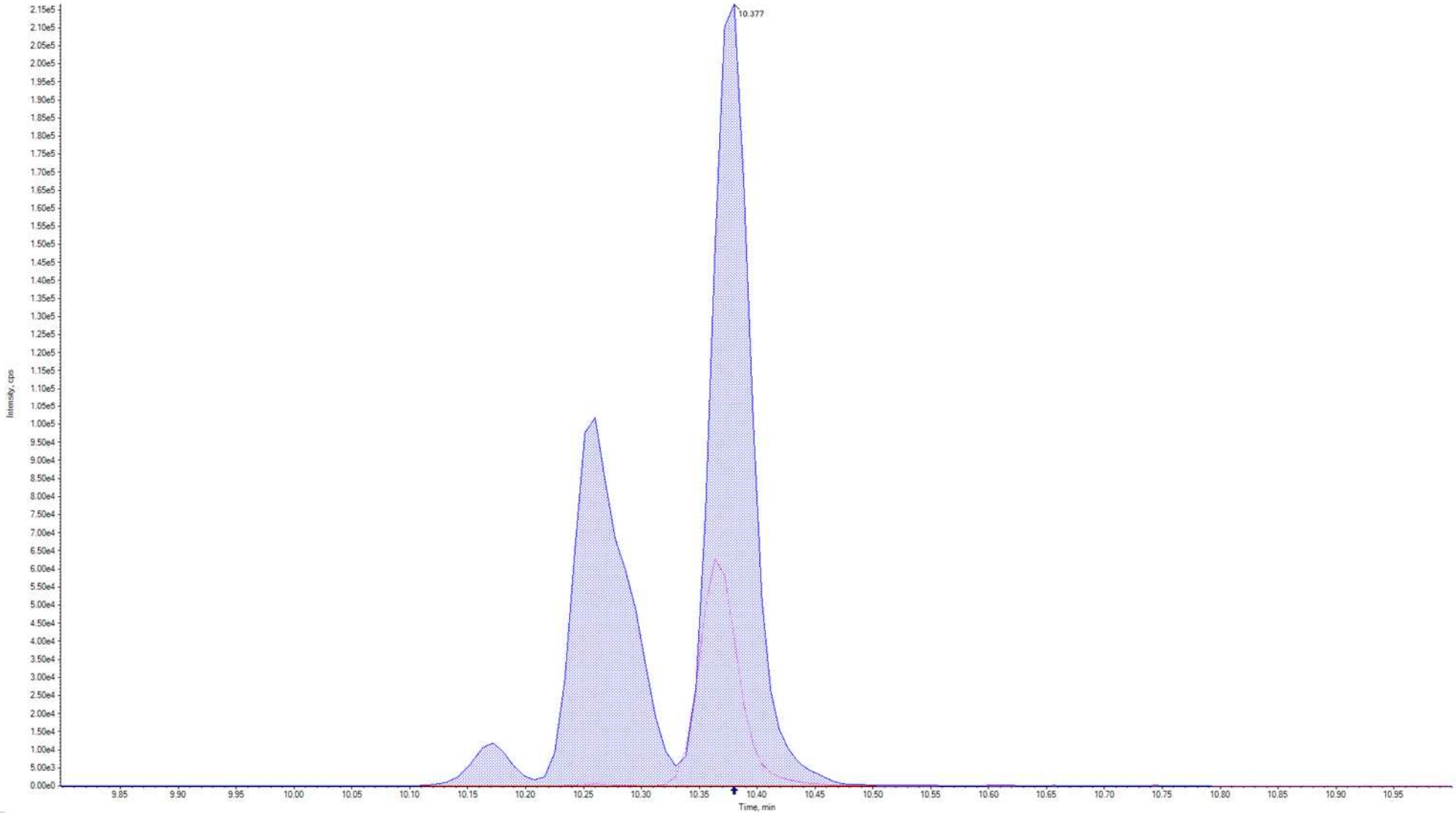
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:3068.0 Points Across peak:40



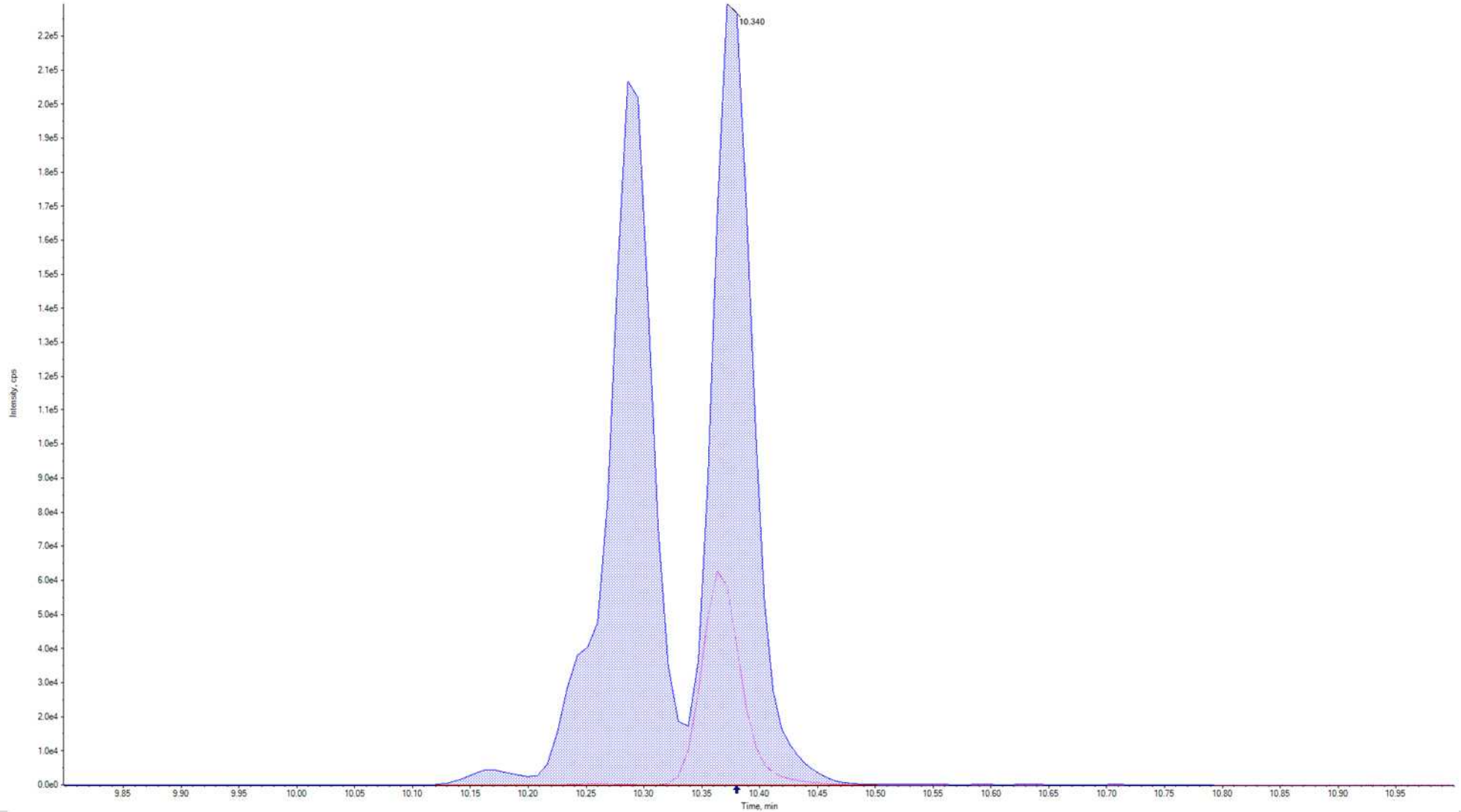
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-12.5 S/N:6668.4 Points Across peak:50



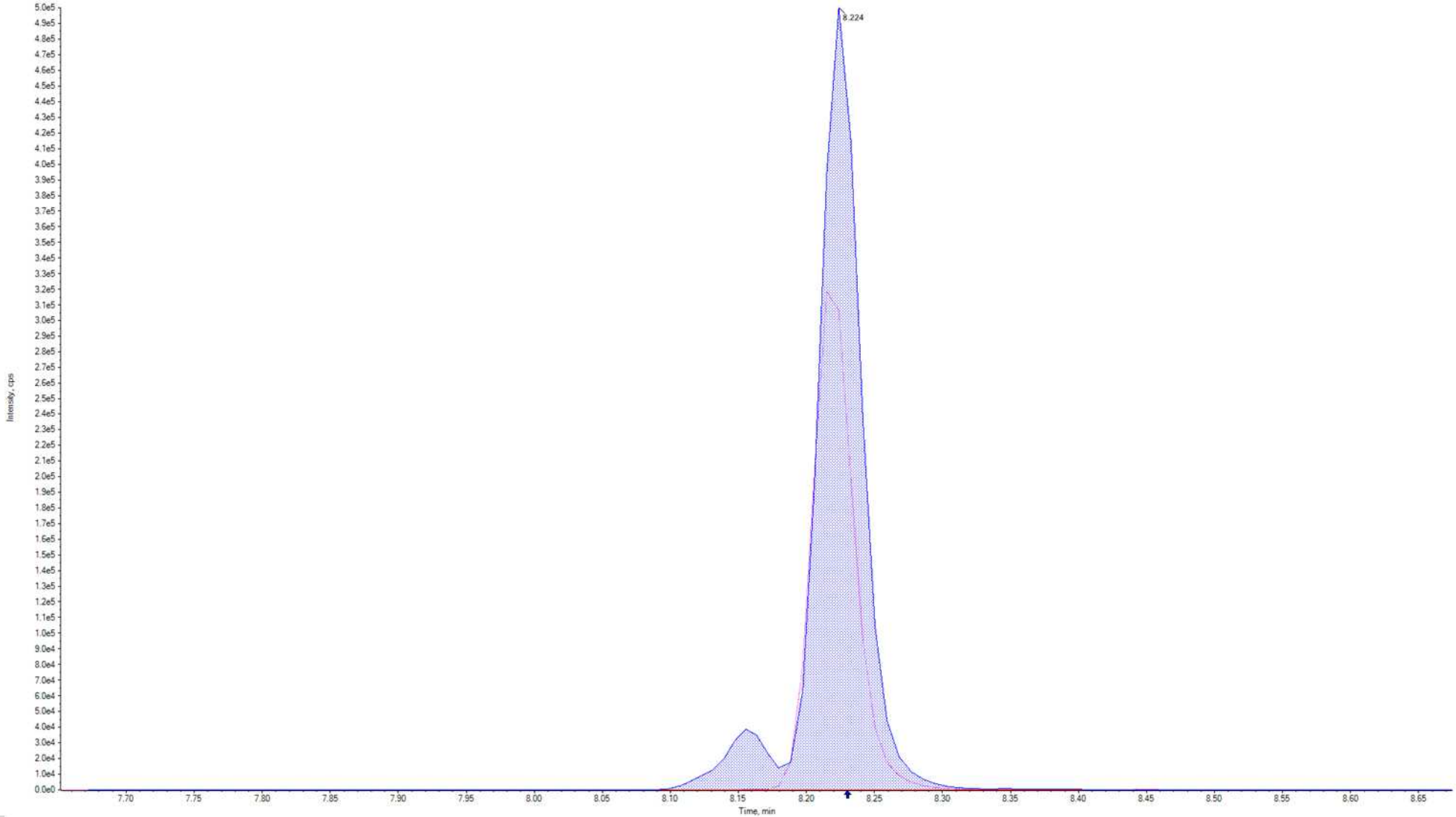
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:21994.8 Points Across peak:50



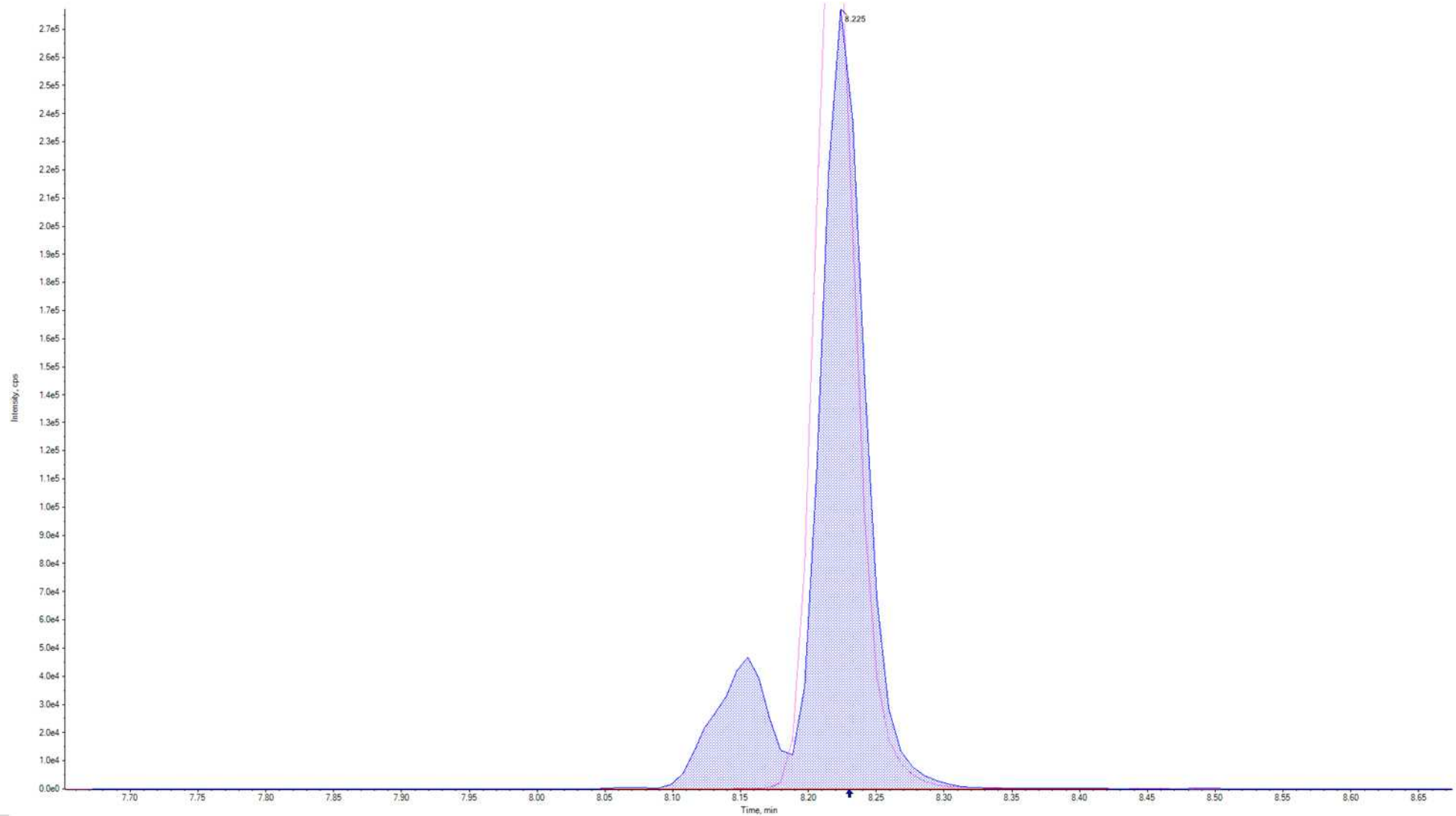
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:1742.1 Points Across peak:41



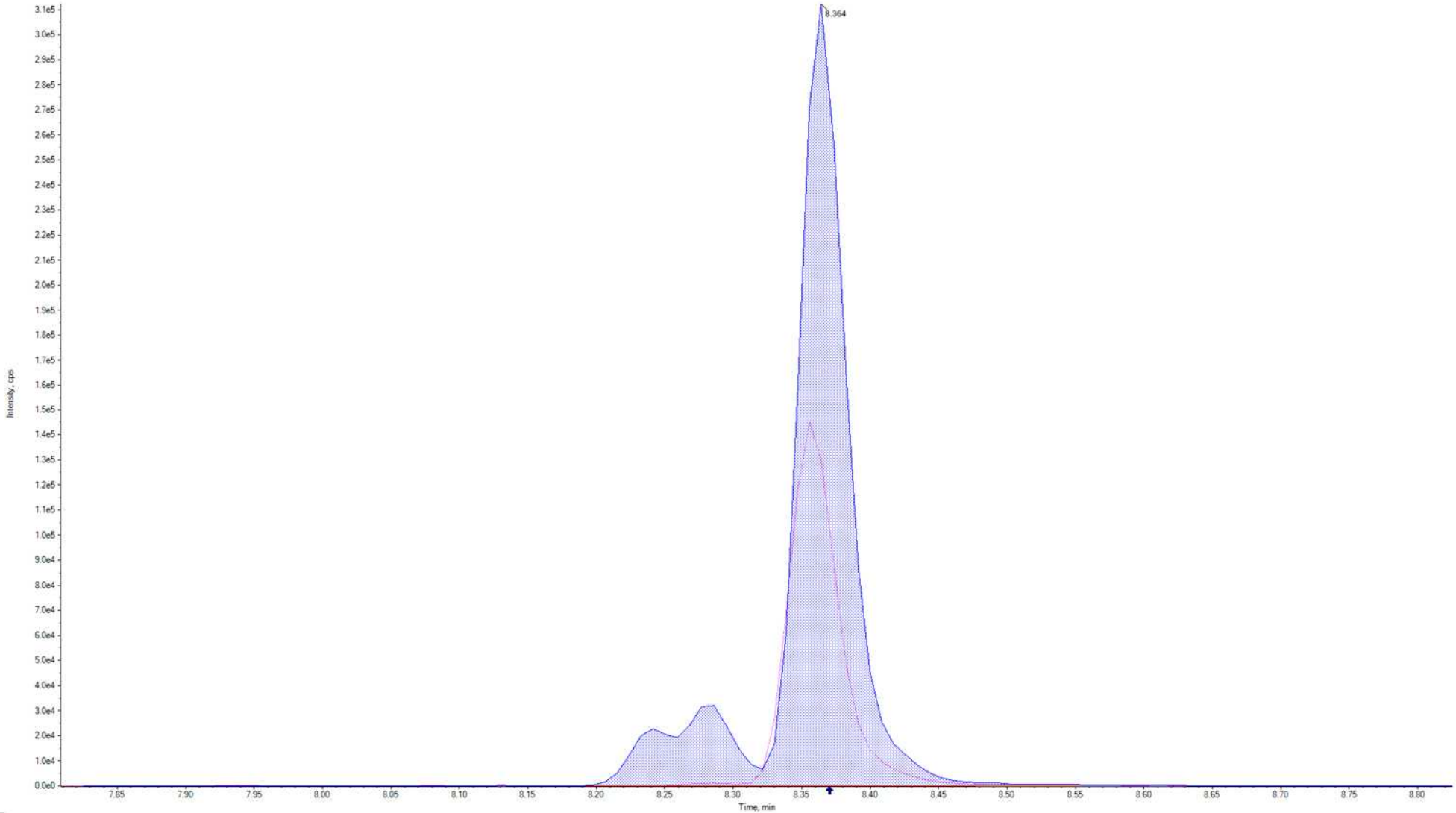
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:987.0 Points Across peak:52



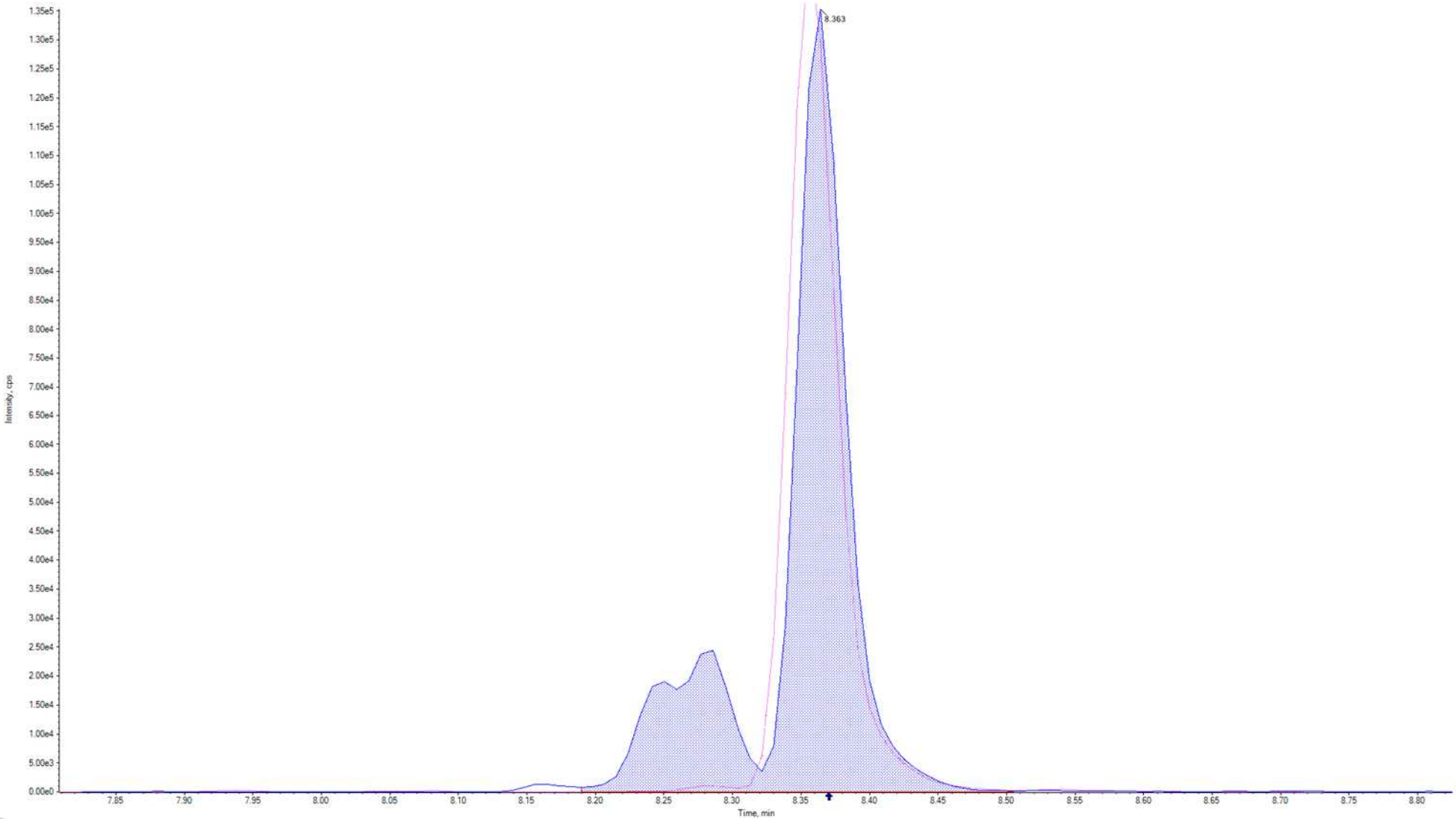
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:781.1 Points Across peak:50



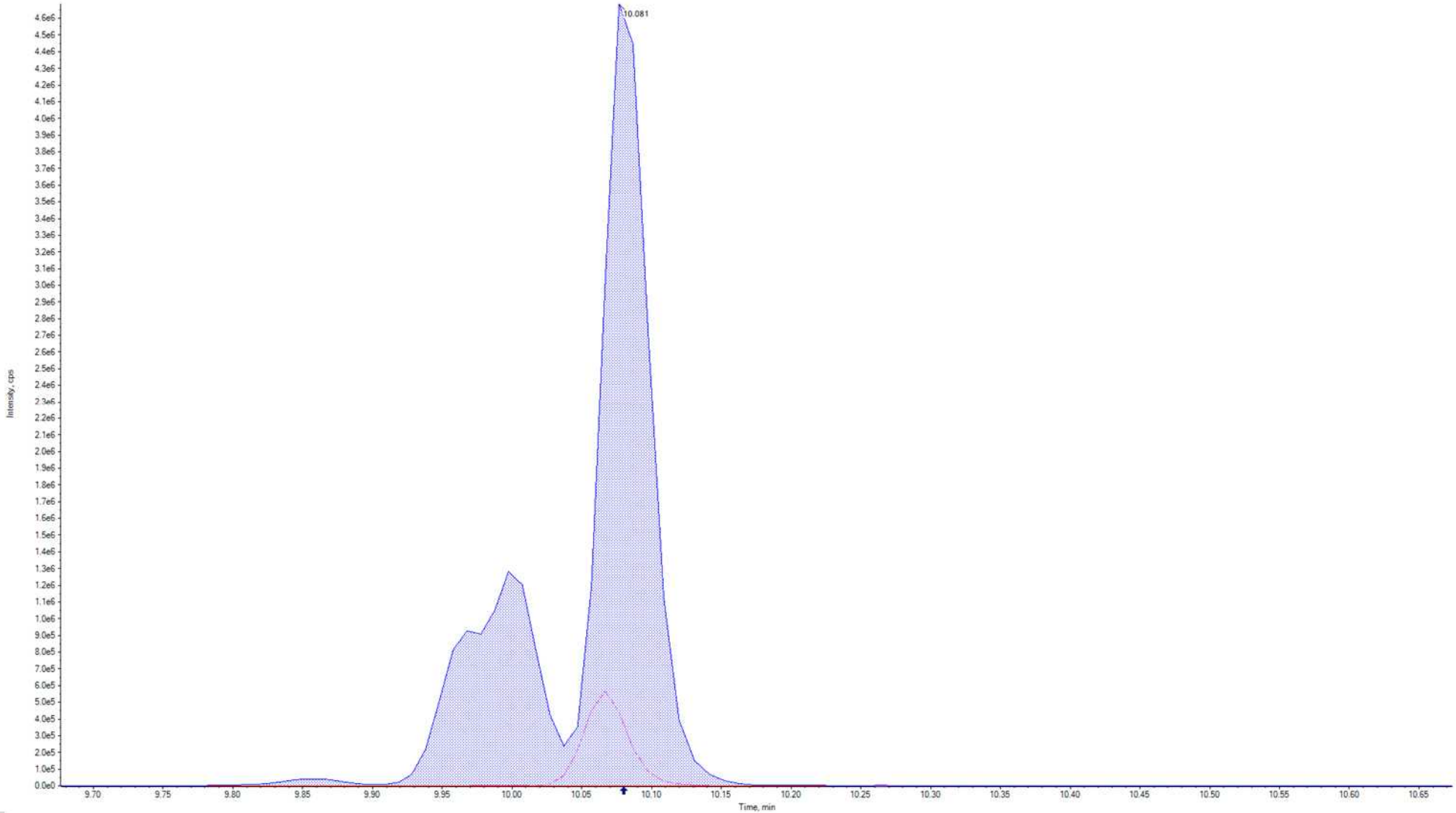
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:577.9 Points Across peak:38



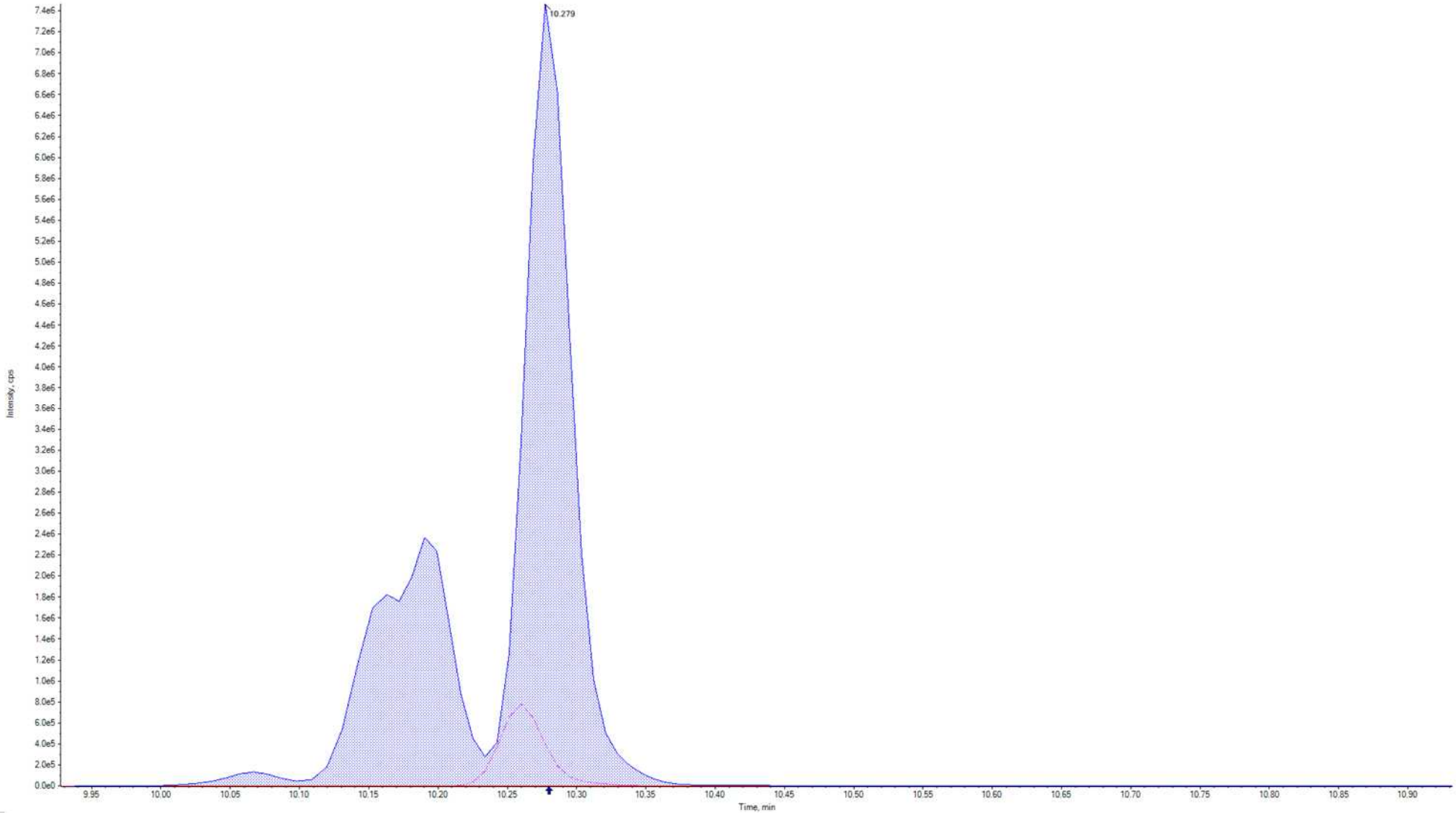
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-12.5 S/N:6722.2 Points Across peak:57



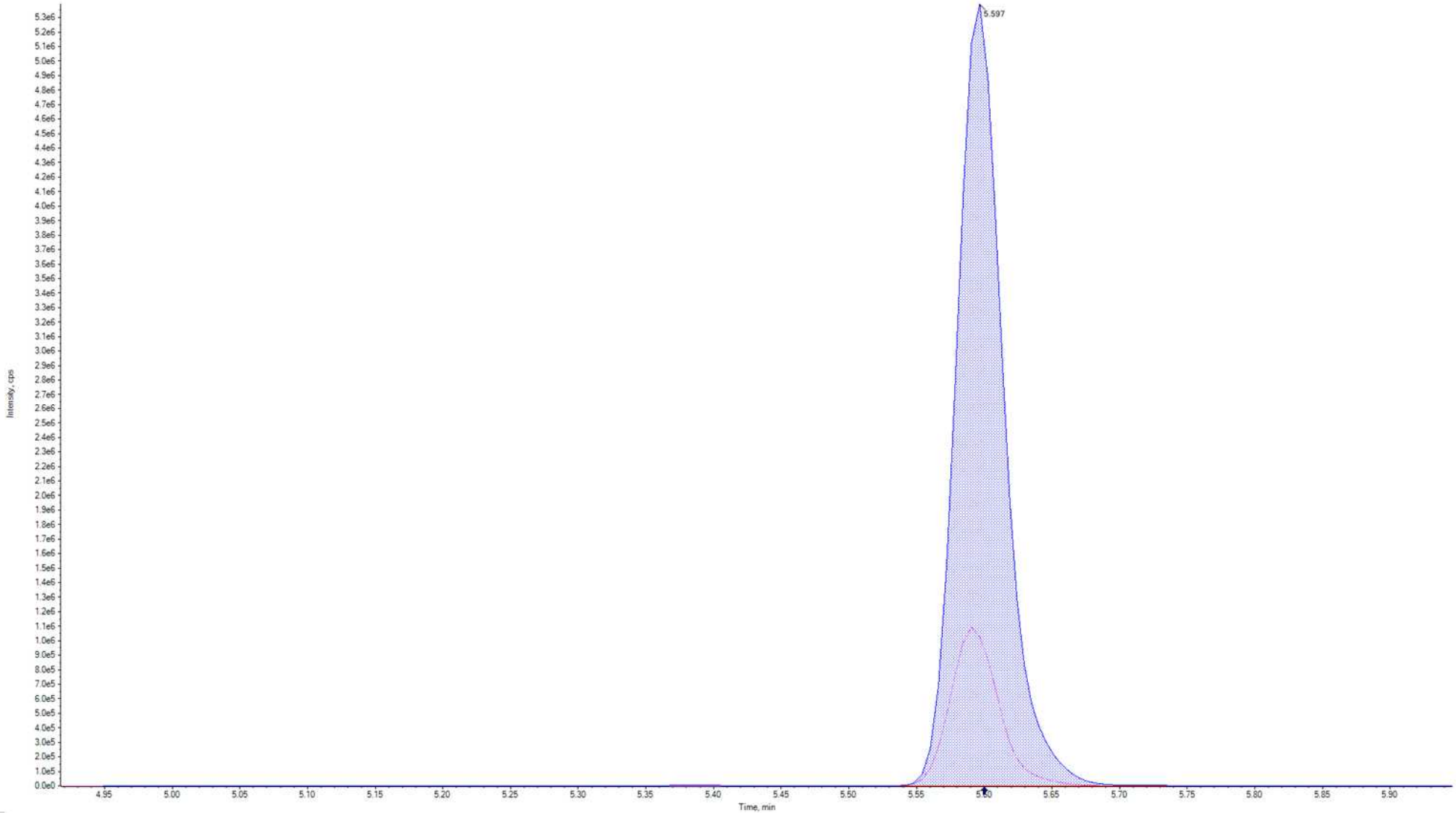
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-12.5 S/N:4266.4 Points Across peak:57

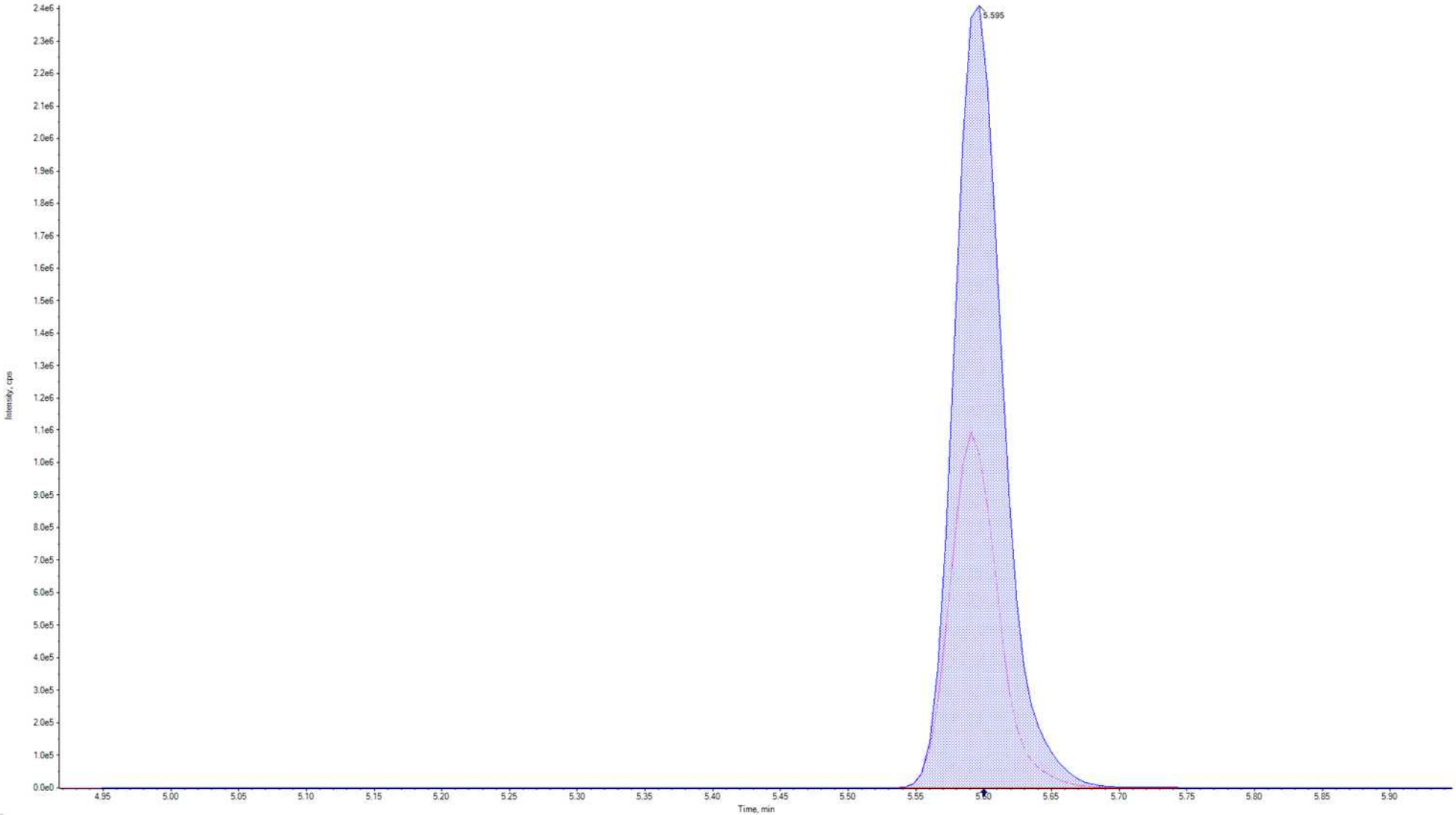


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-12.5 S/N:25692.9 Points Across peak:61

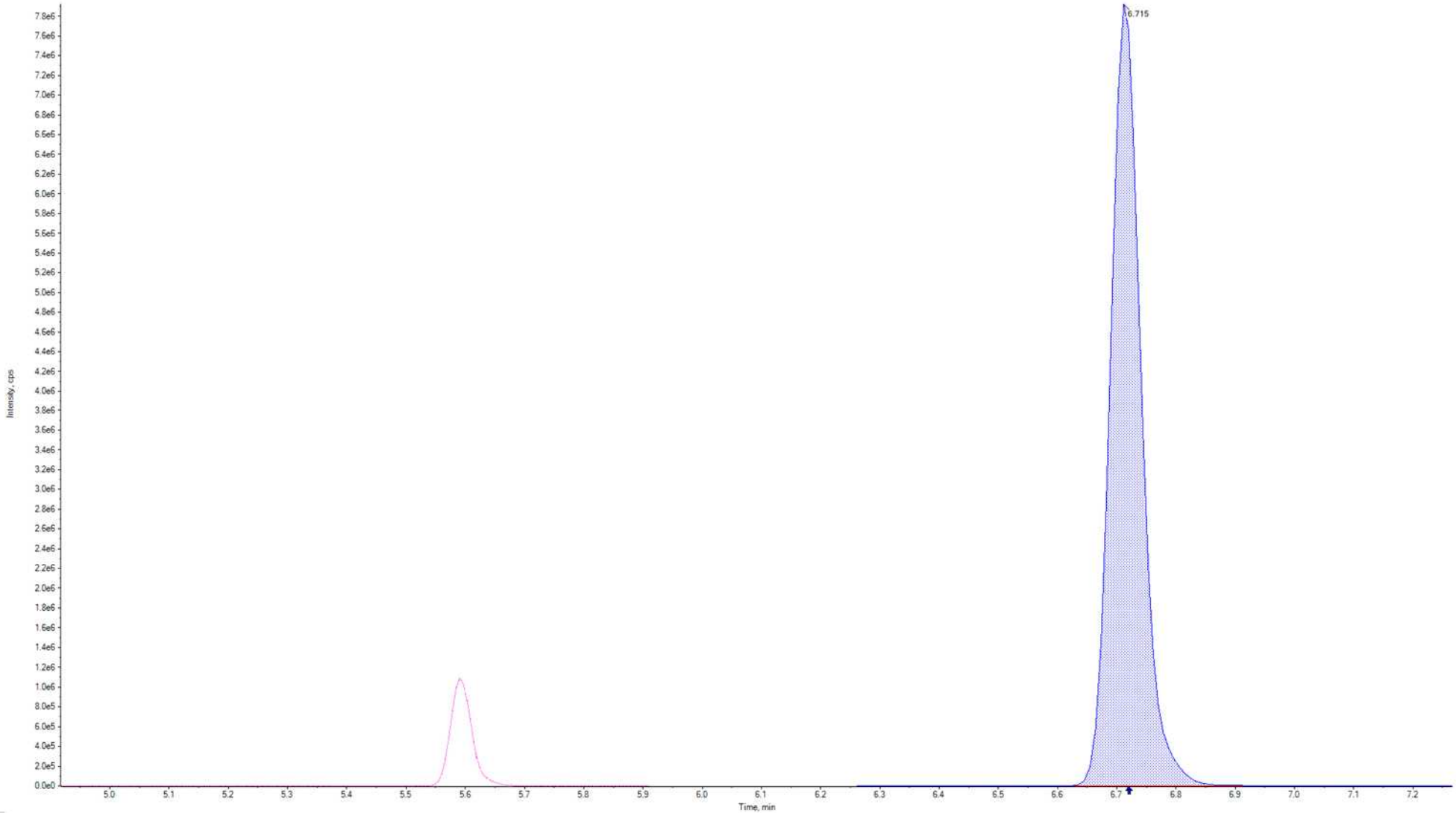


HFPO-DA_2
Sample: IA1633STD-12.5 S/N:9799.0 Points Across peak:48



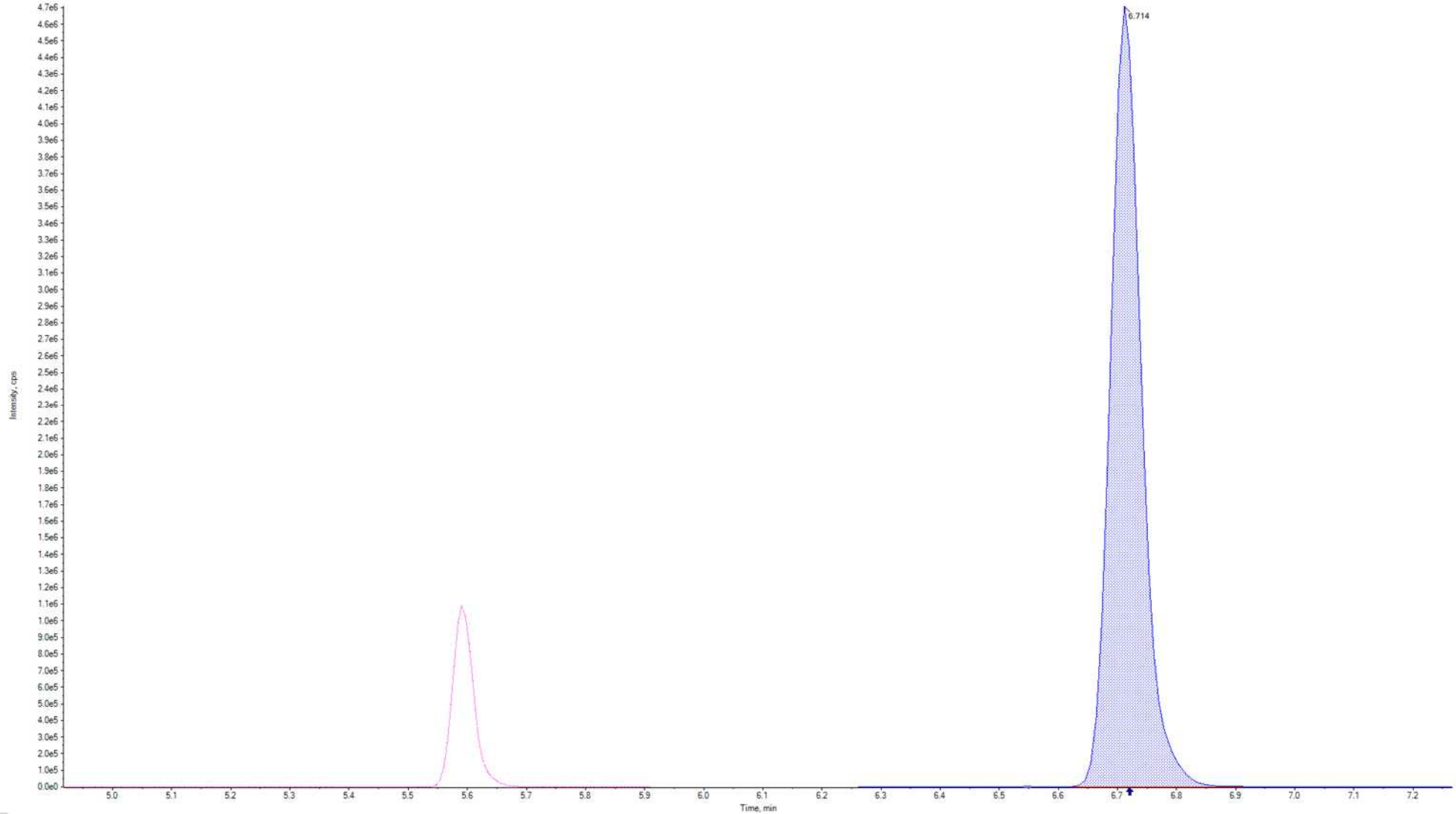
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-12.5 S/N:30974.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-12.5 S/N:29898.1 Points Across peak:56

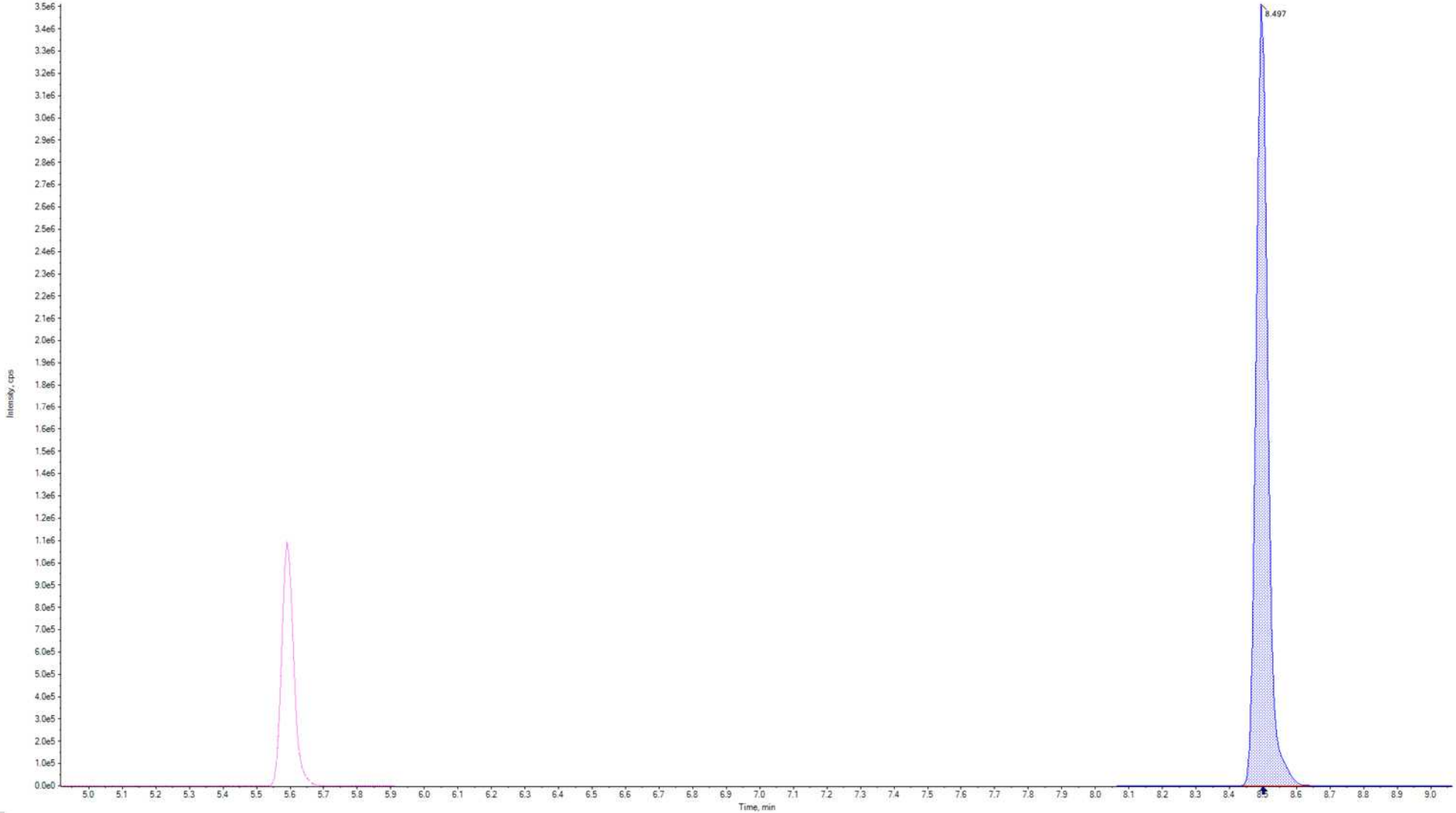


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:80344.6 Points Across peak:39

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:46132.0 Points Across peak:32



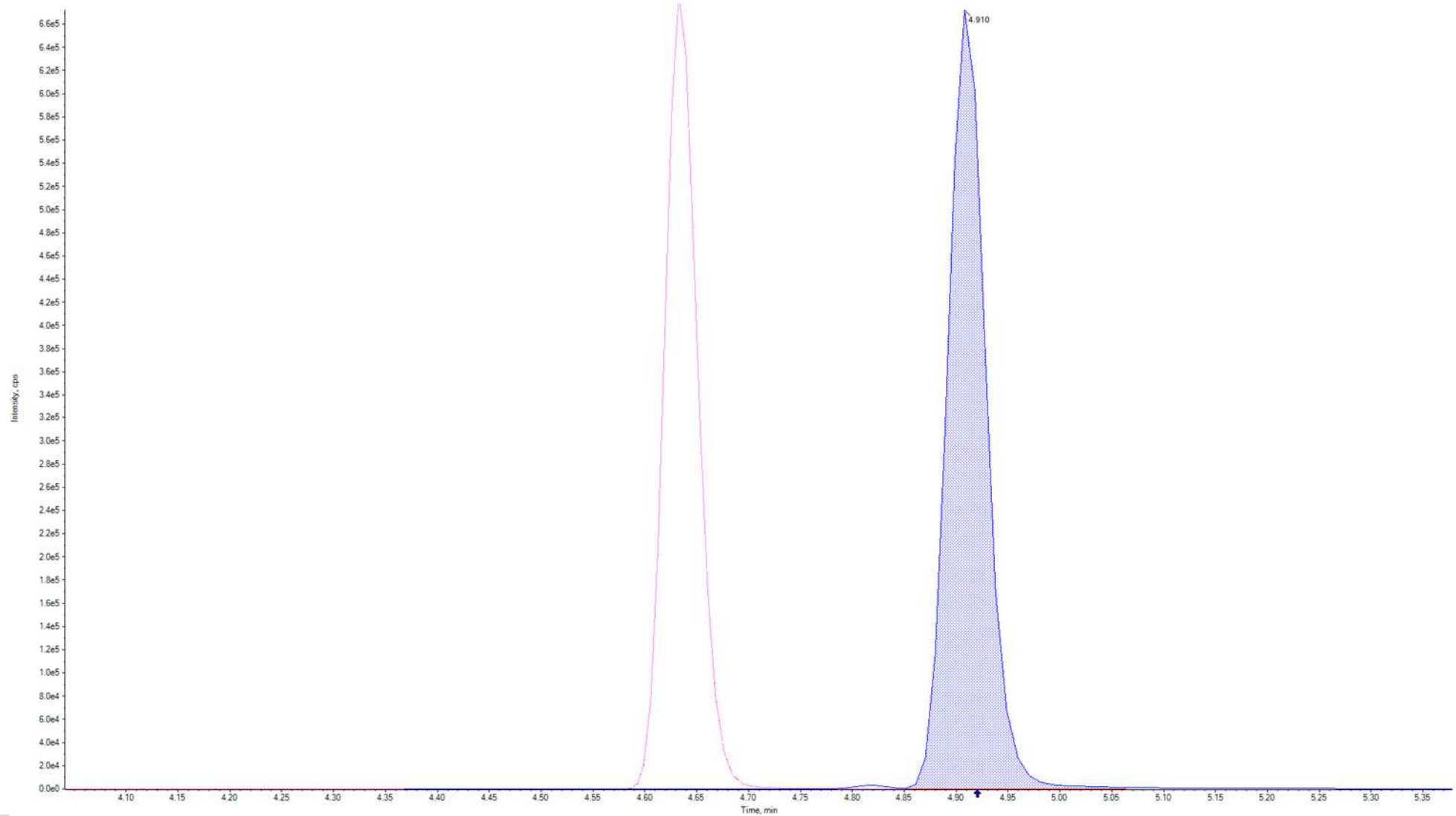
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:1838741.5 Points Across peak:45

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:161606.3 Points Across peak:47

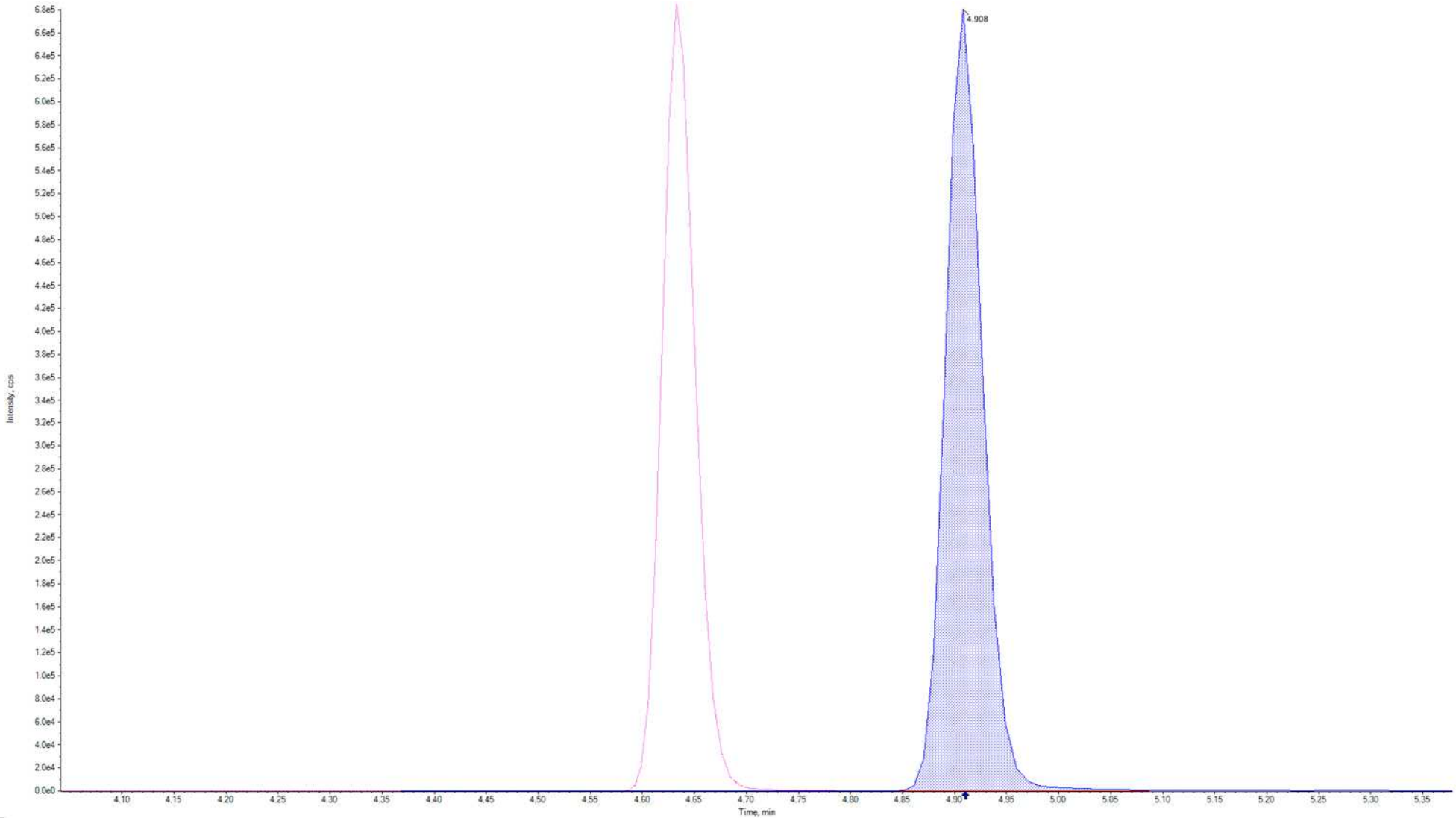
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-12.5 S/N:551294.0 Points Across peak:22



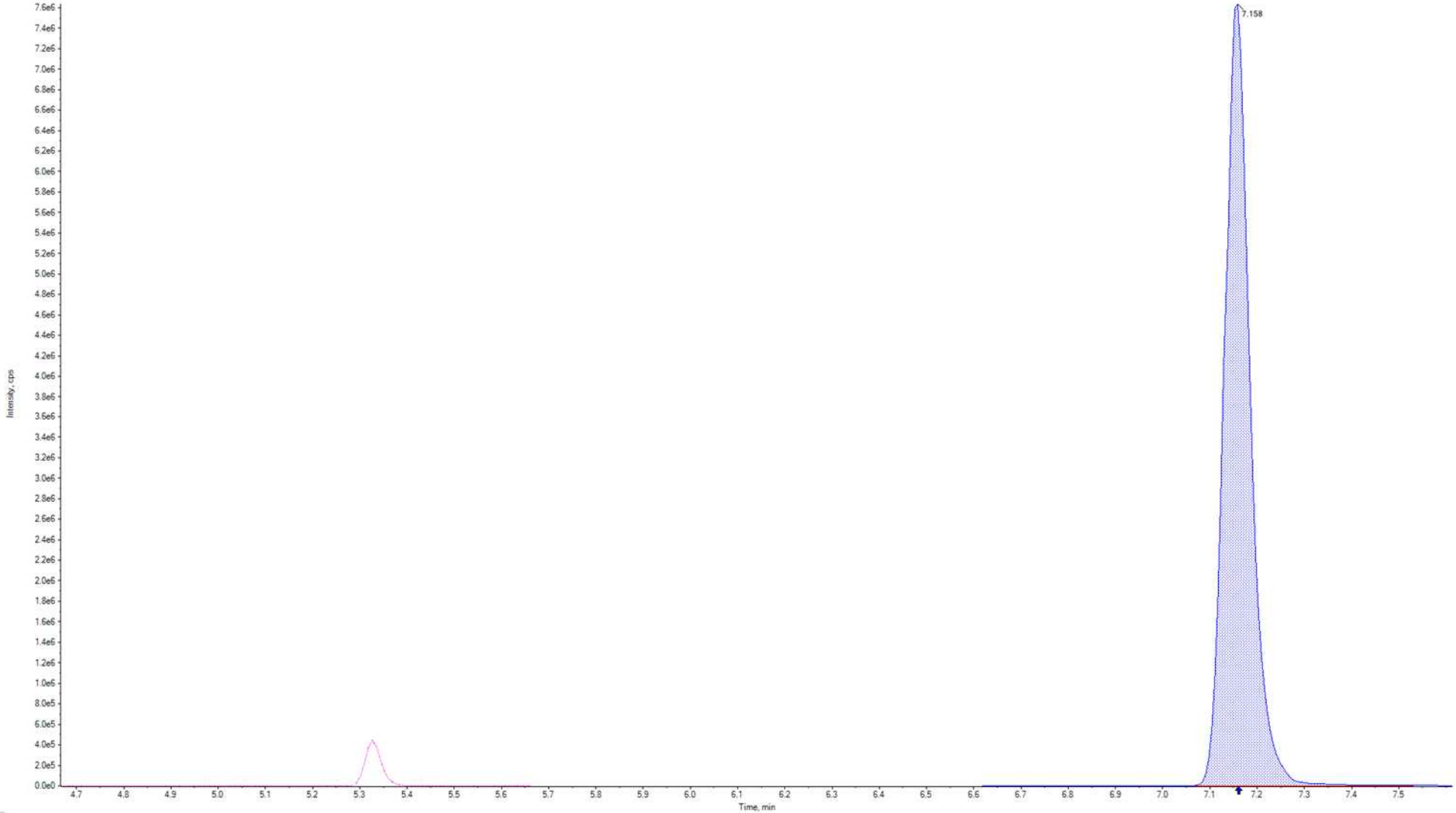
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:6586.4 Points Across peak:26



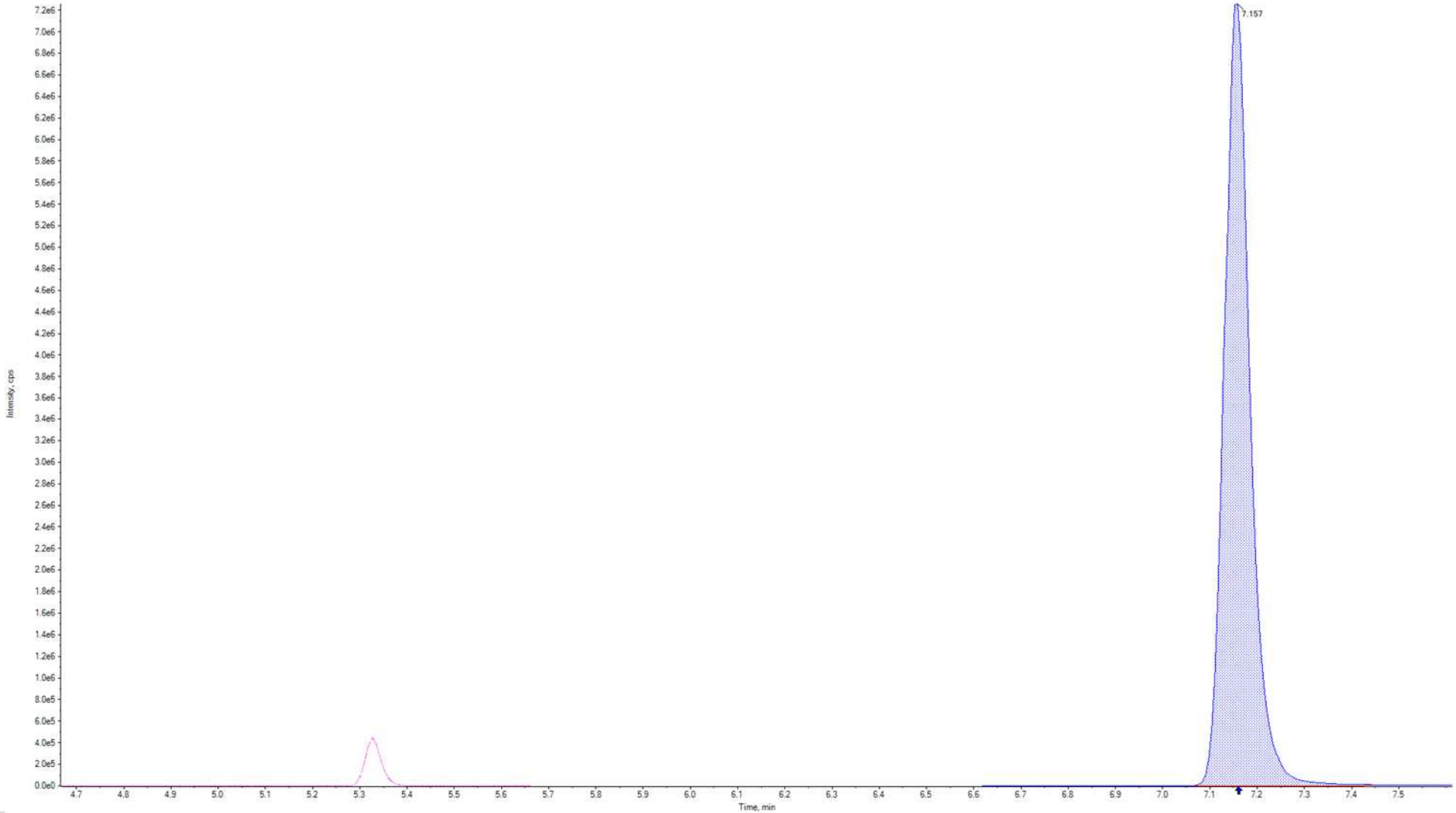
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-12.5 S/N:26556.5 Points Across peak:82



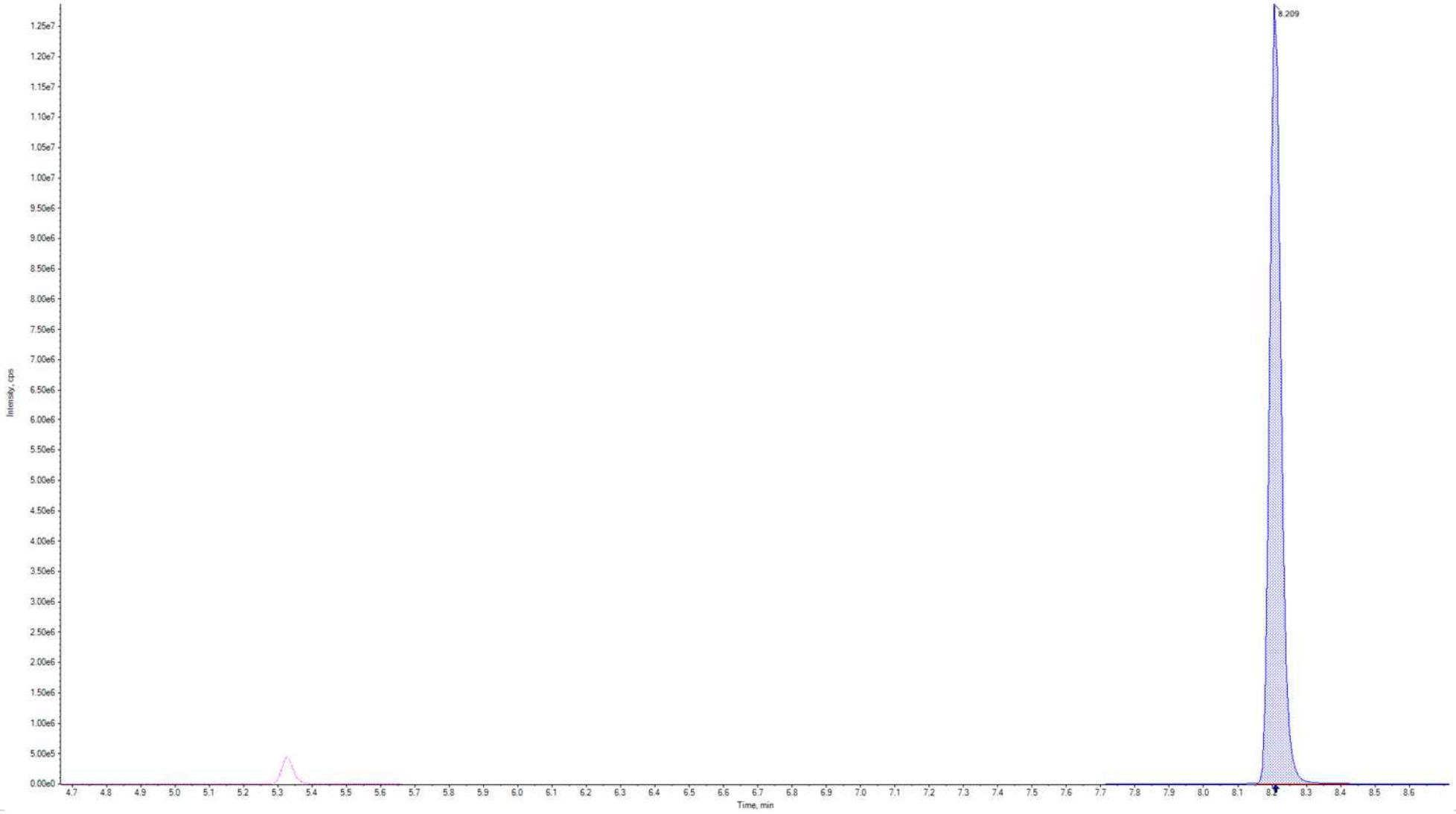
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:24130.2 Points Across peak:90



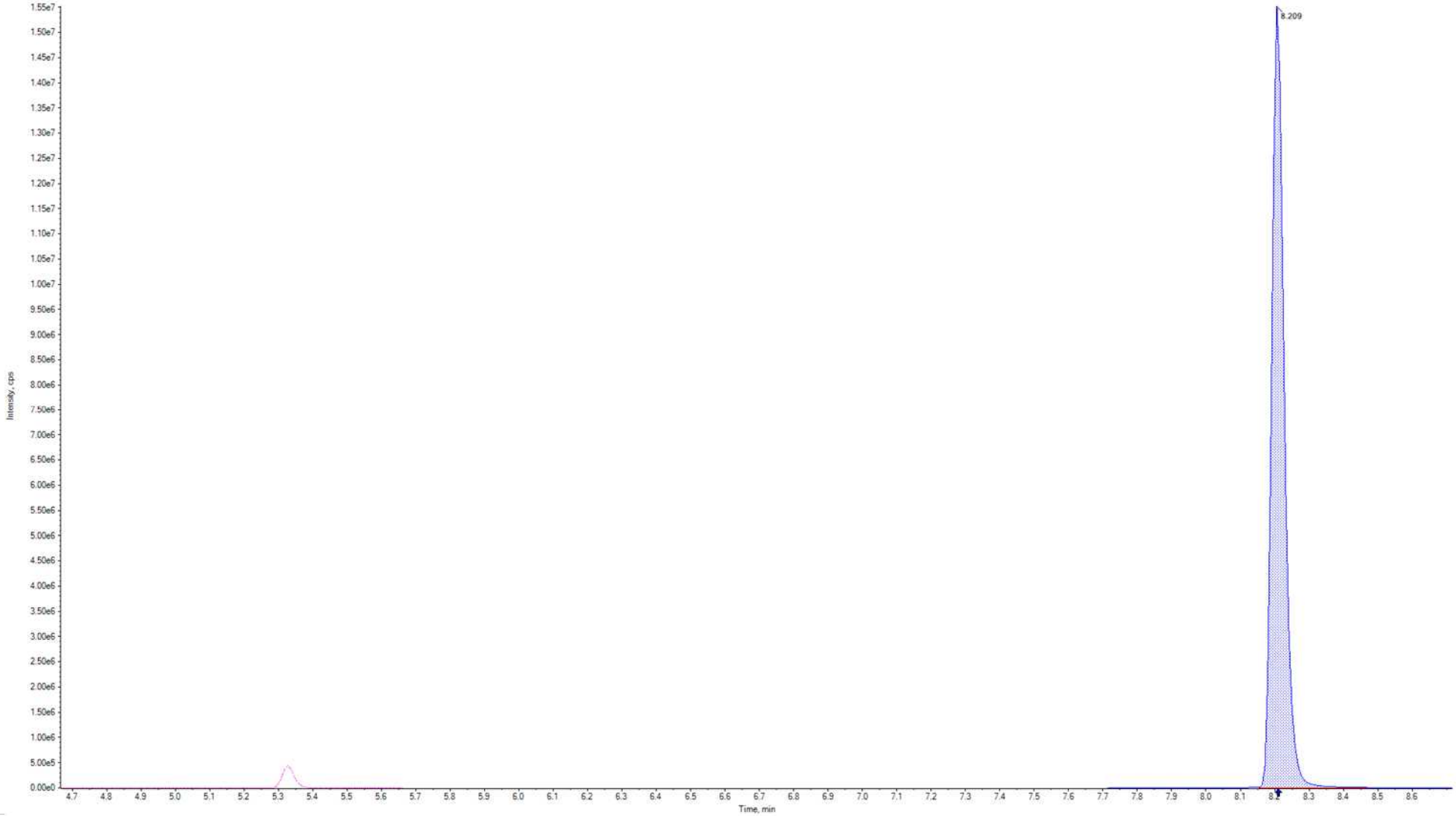
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-12.5 S/N:24002.1 Points Across peak:38



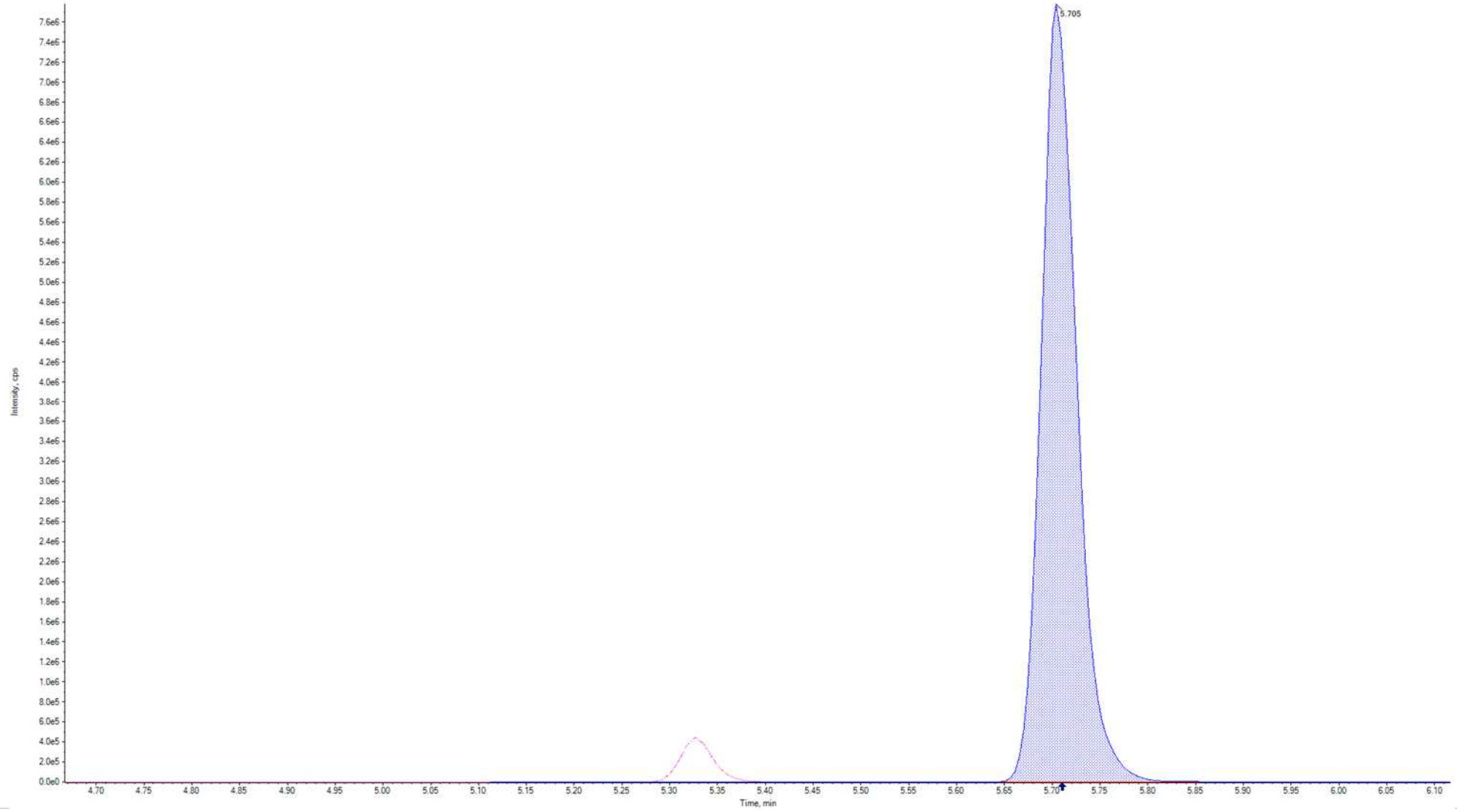
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:30062.3 Points Across peak:40



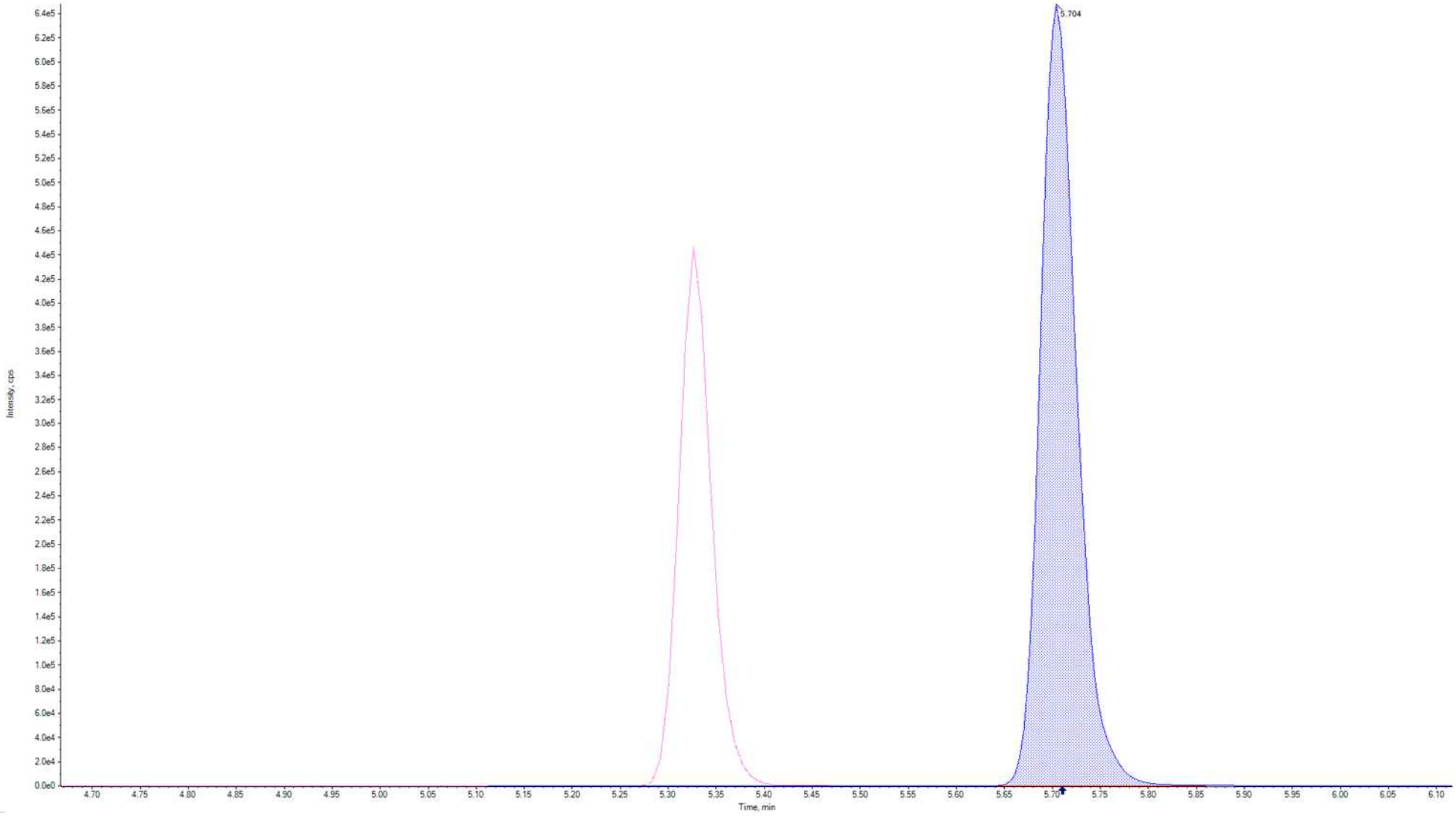
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-12.5 S/N:34835.1 Points Across peak:64



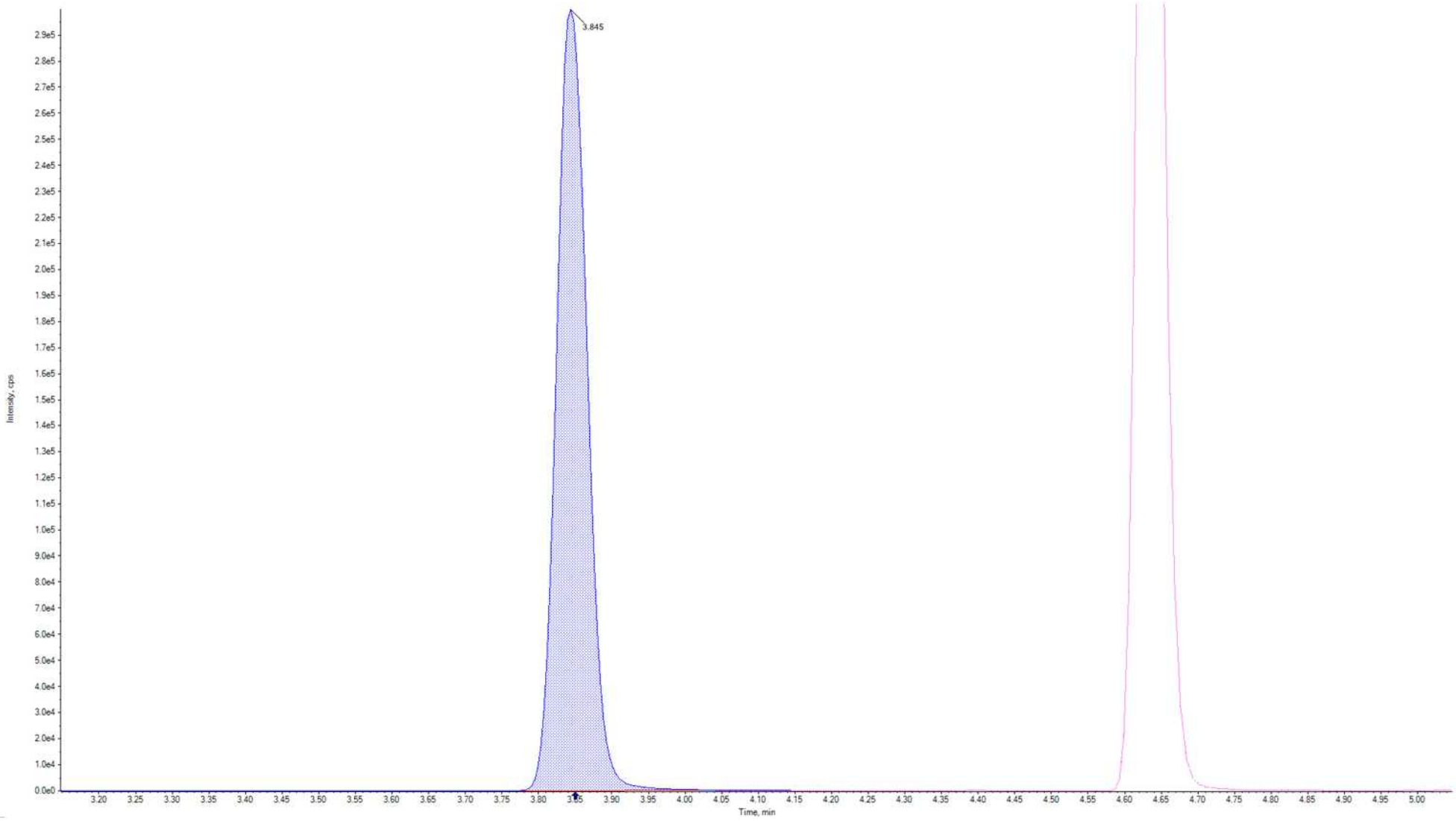
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-12.5 S/N:13515.2 Points Across peak:49



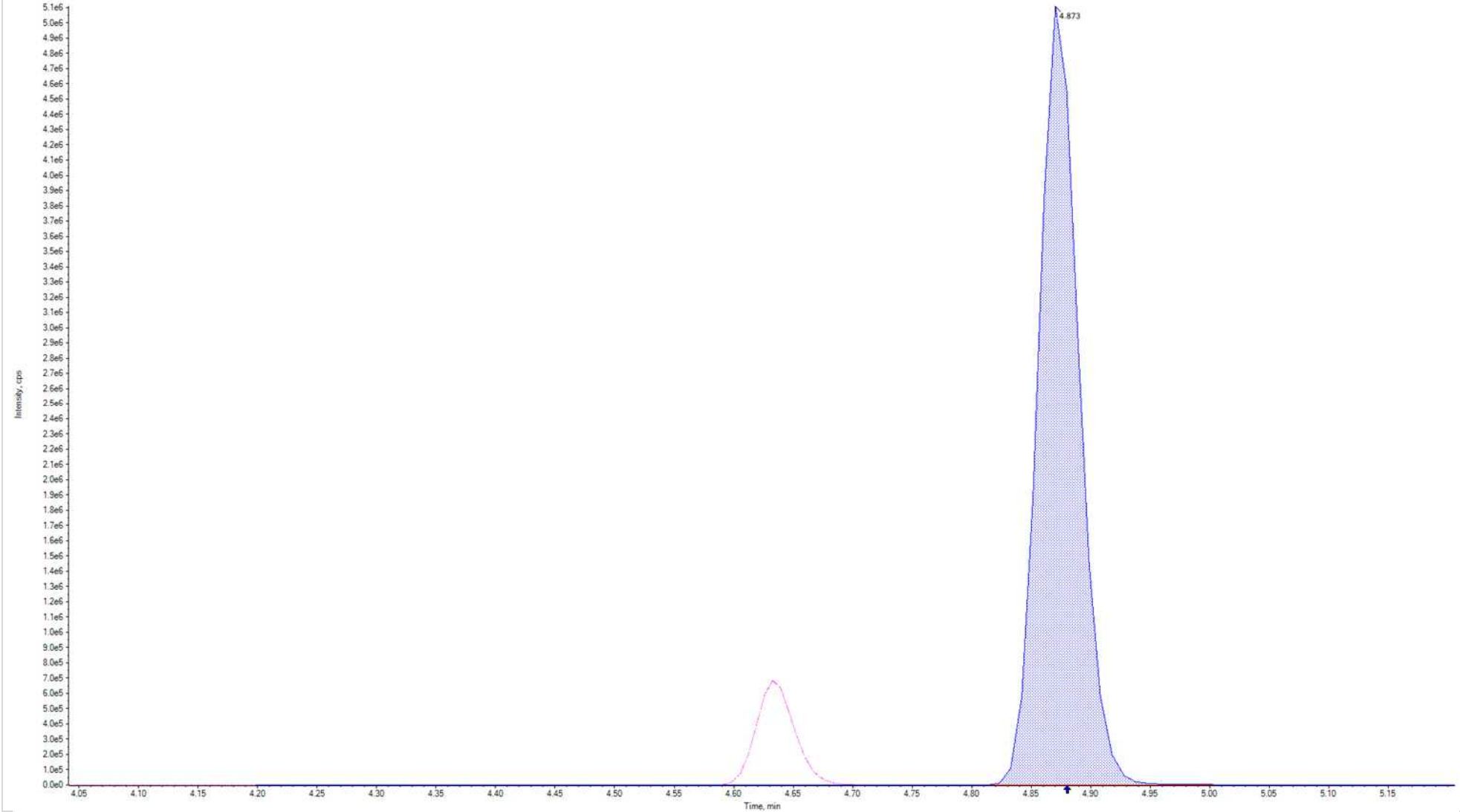
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-12.5 S/N:6360.8 Points Across peak:68



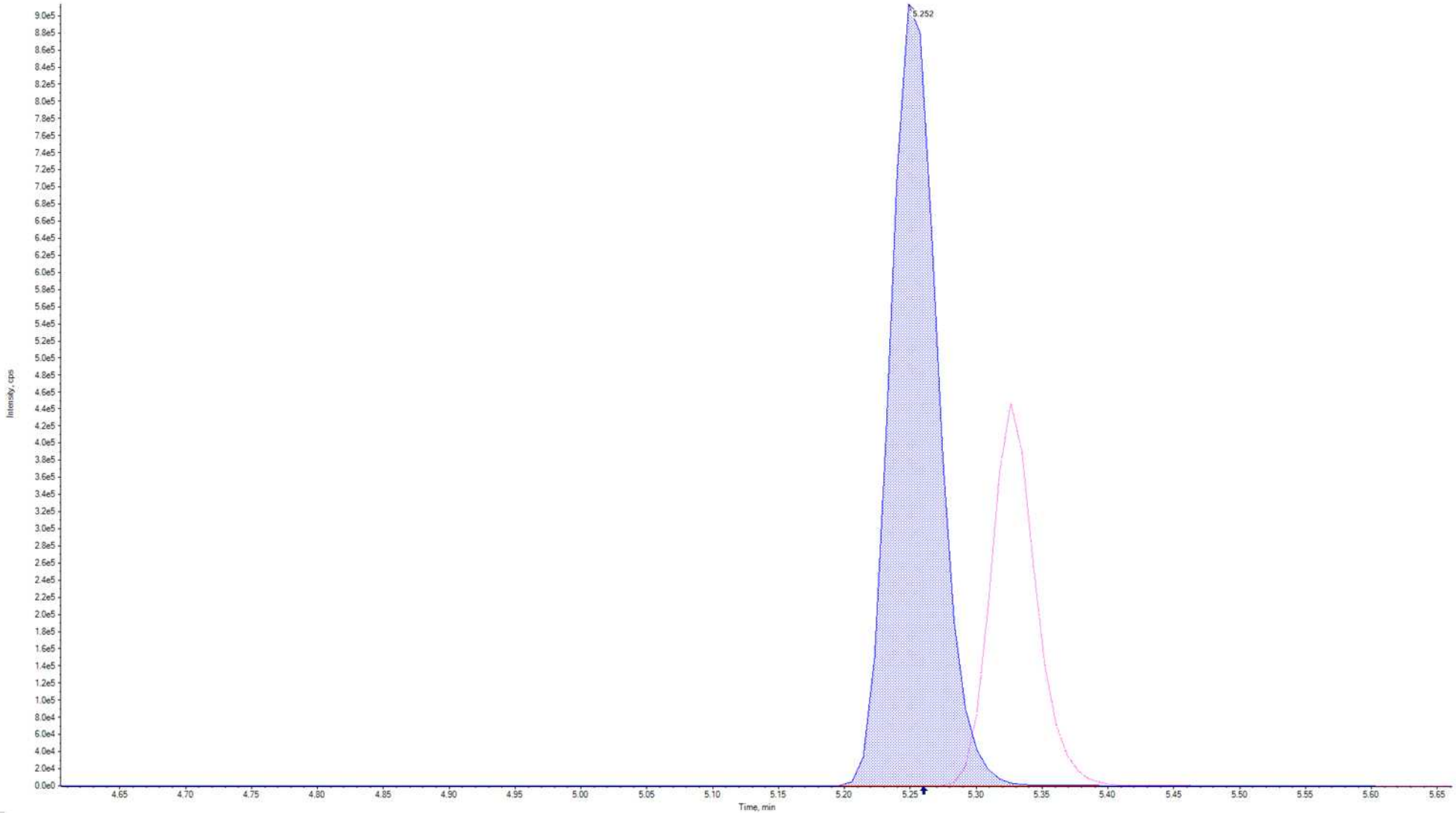
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-12.5 S/N:17509.4 Points Across peak:41



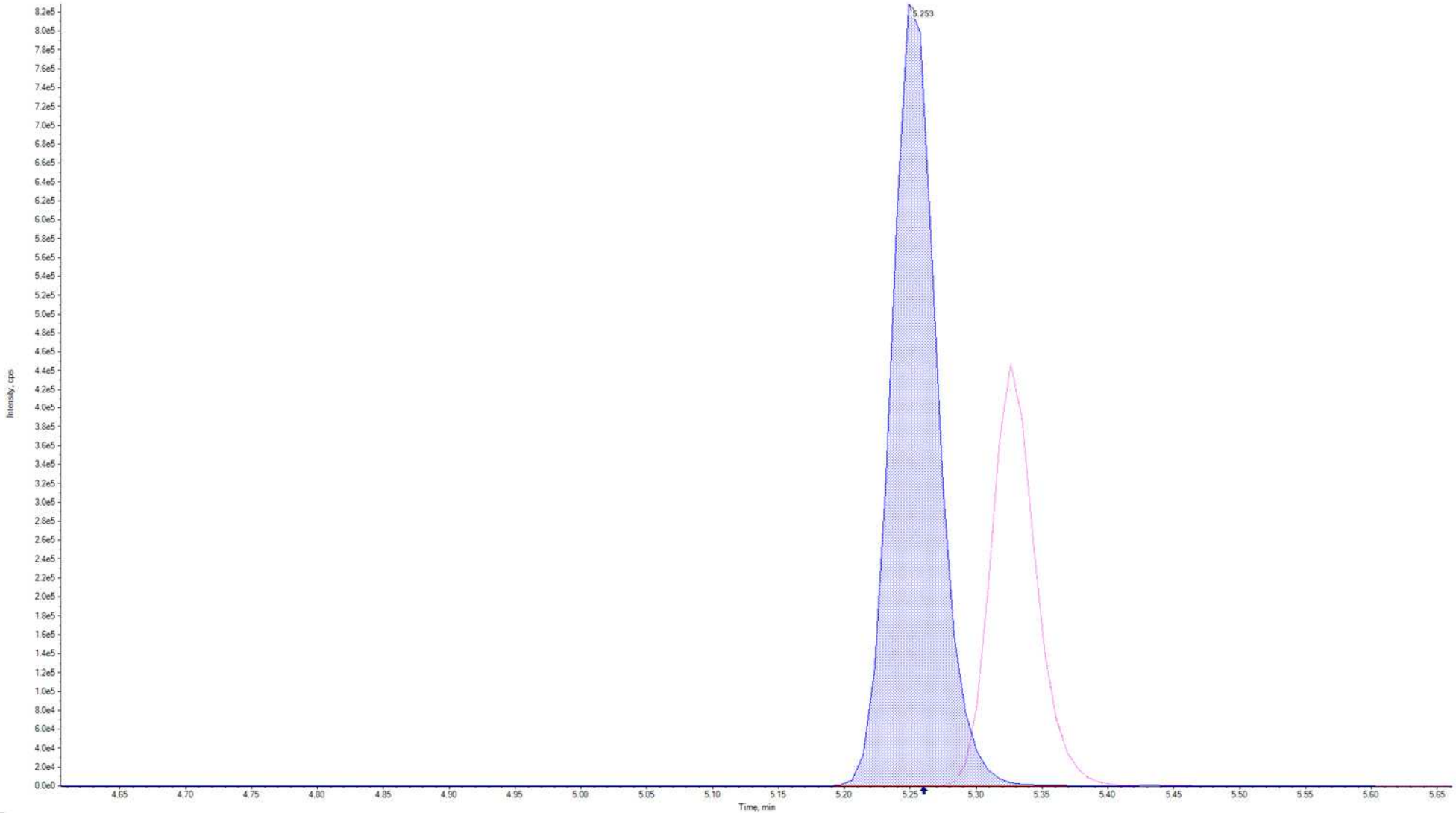
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-12.5 S/N:5012.3 Points Across peak:29



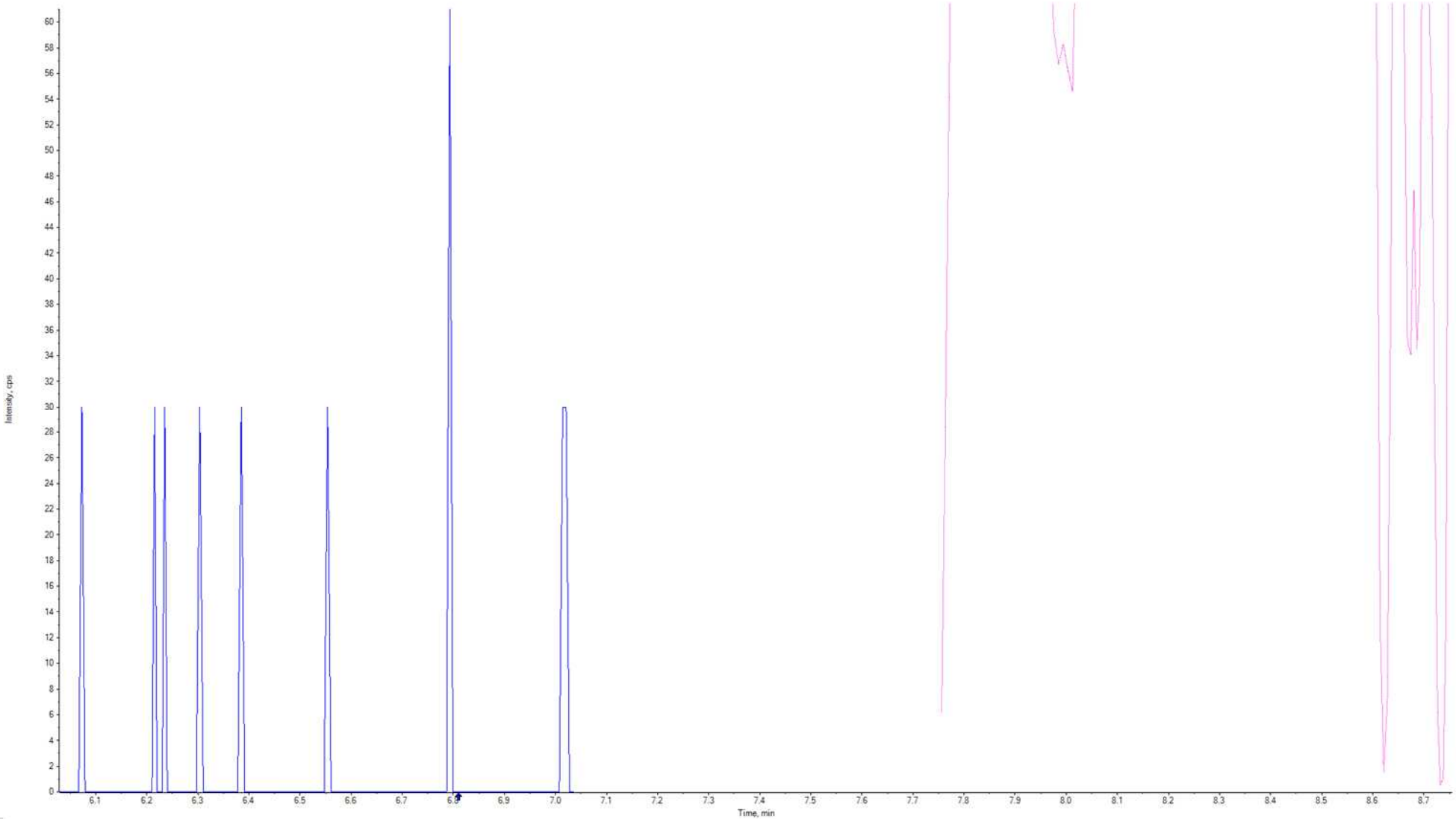
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-12.5 S/N:6278.9 Points Across peak:29



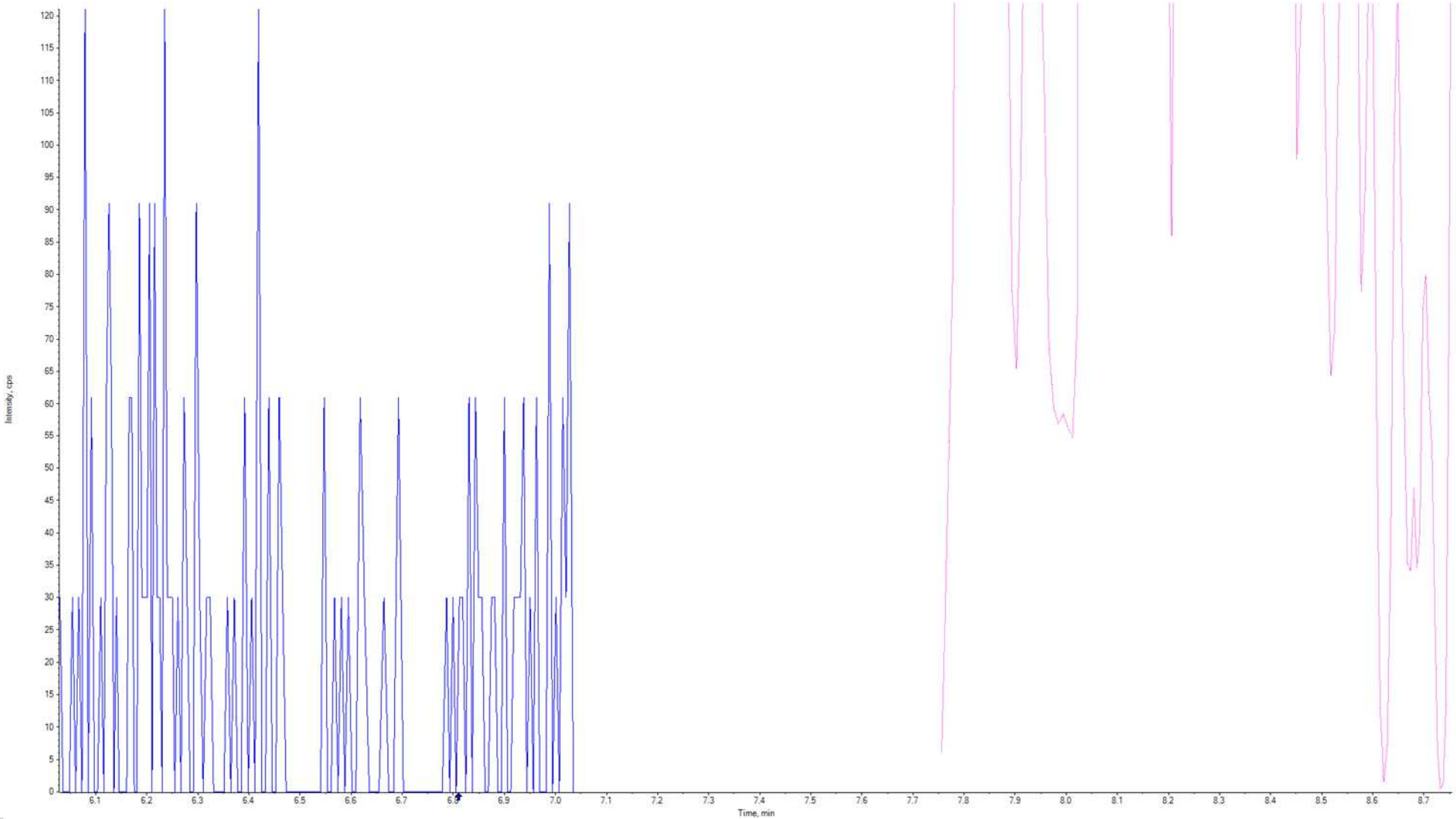
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A

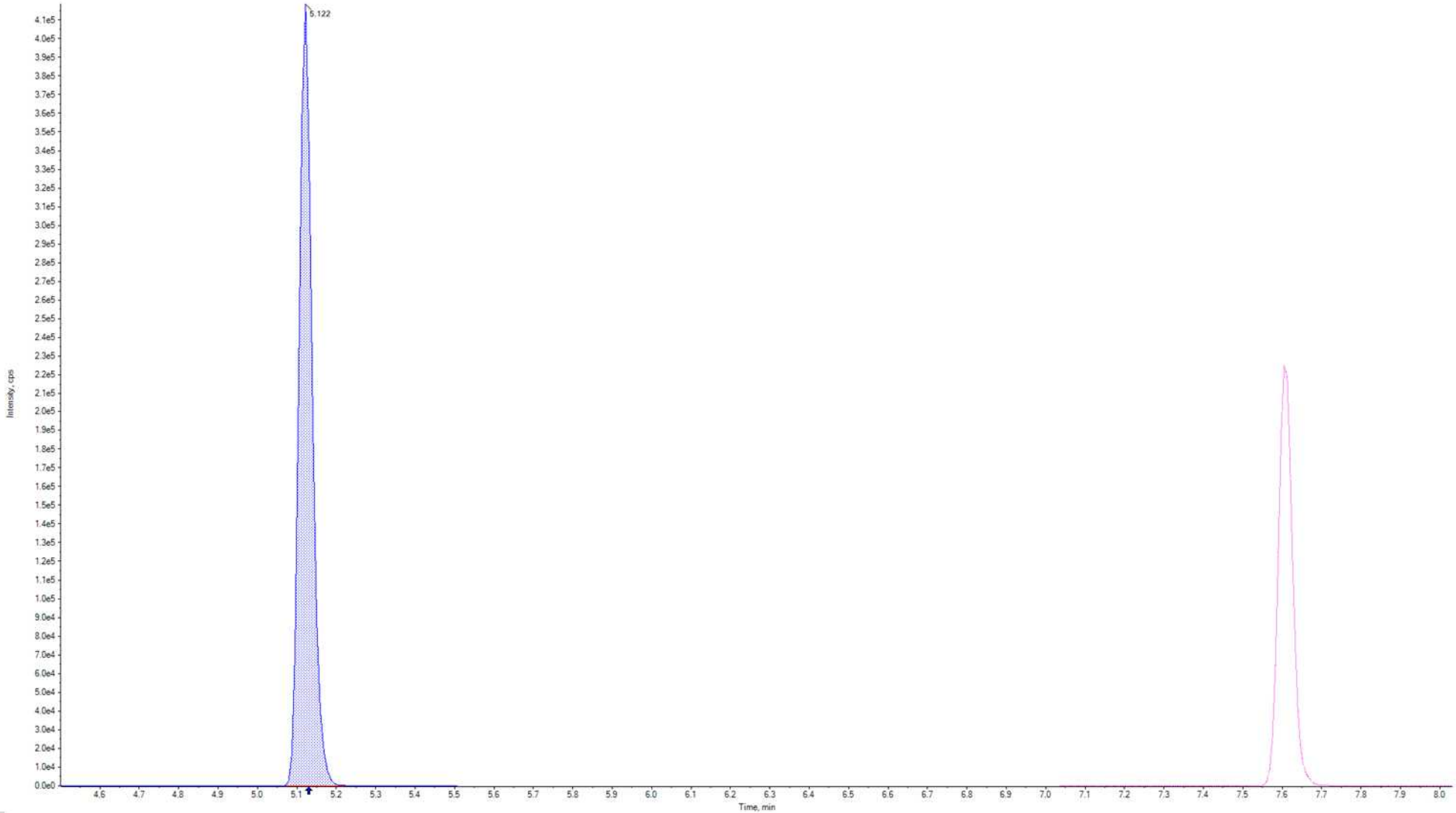


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A

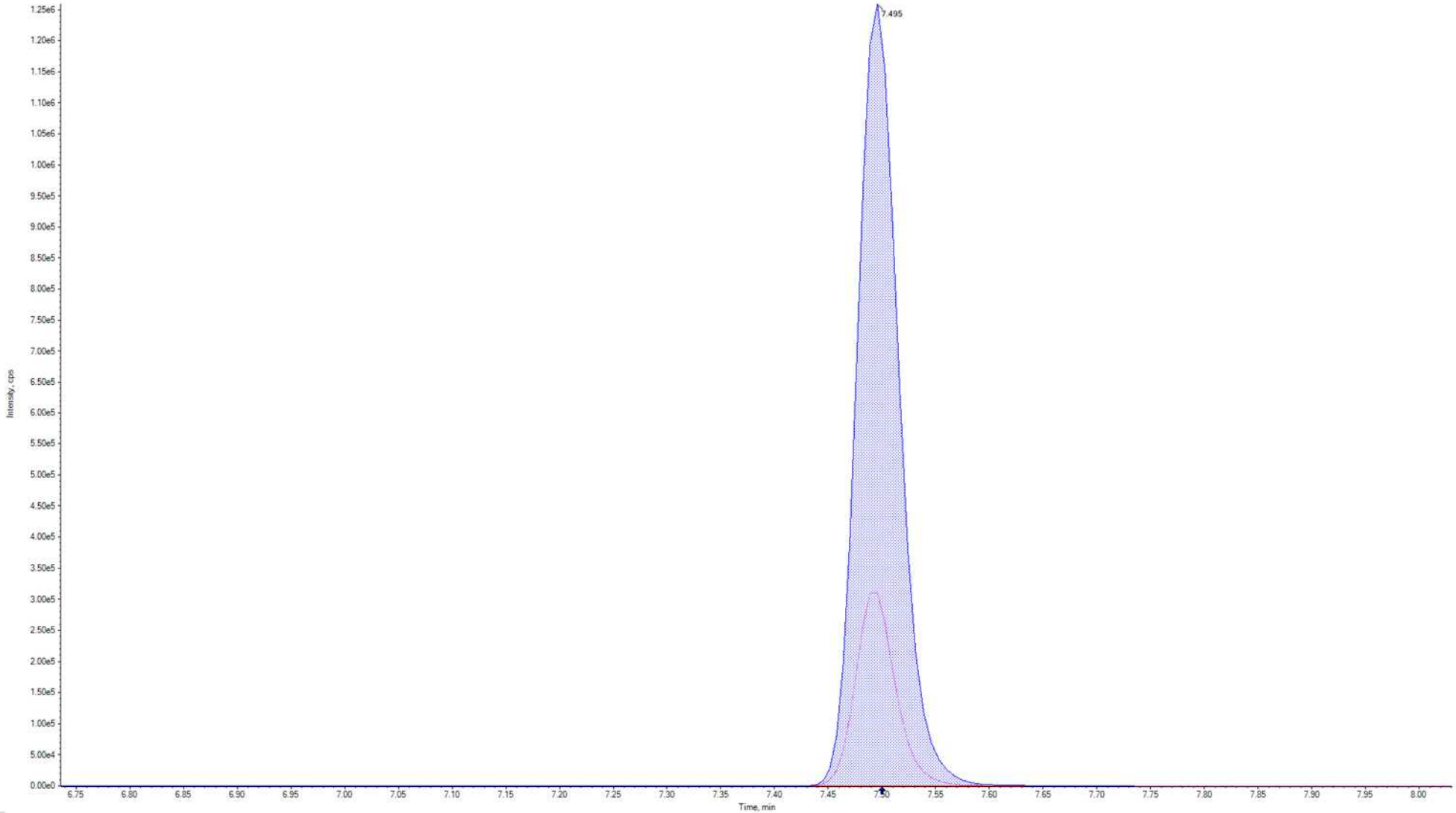


13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:1841.8 Points Across peak:27

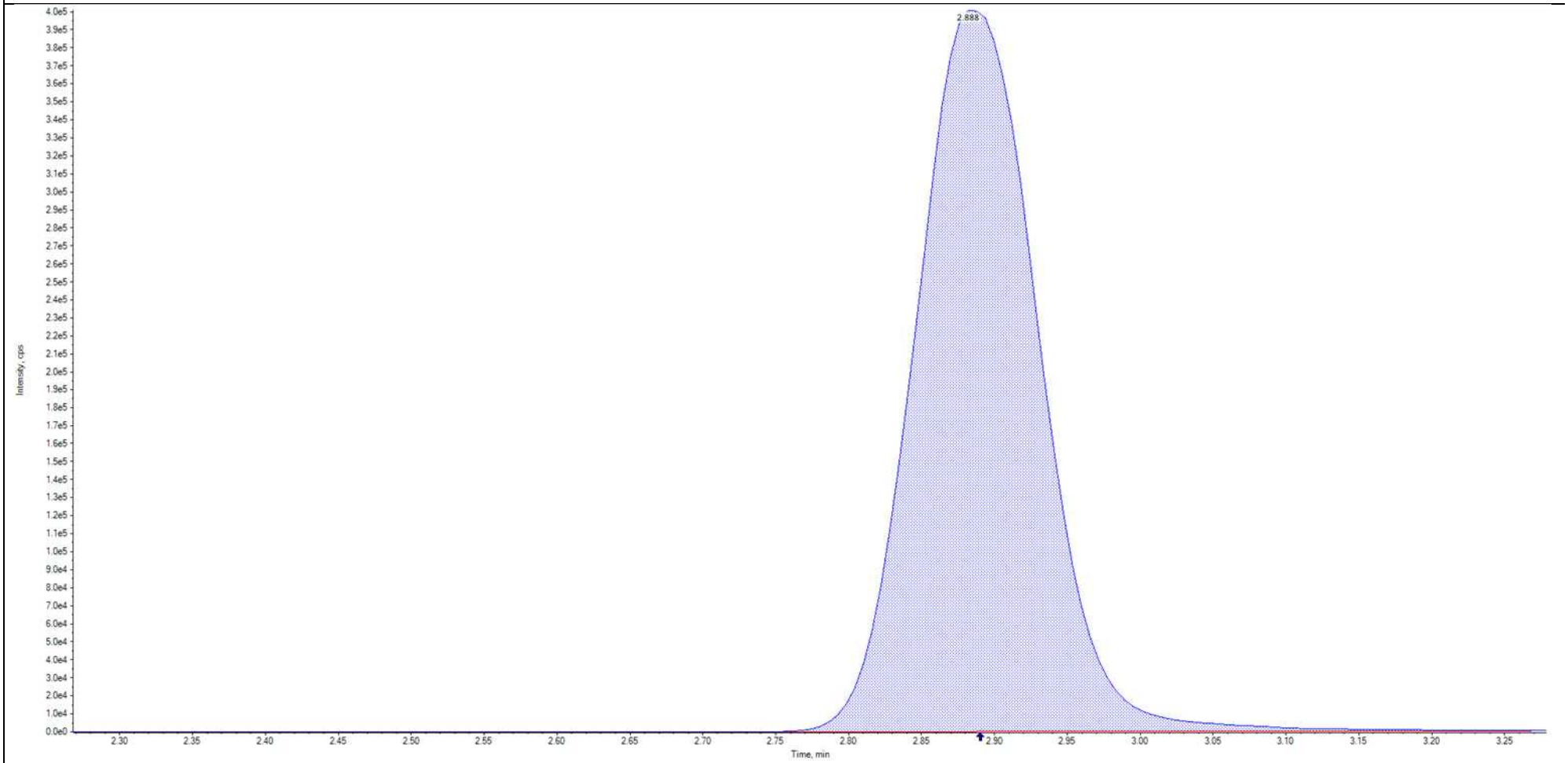


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

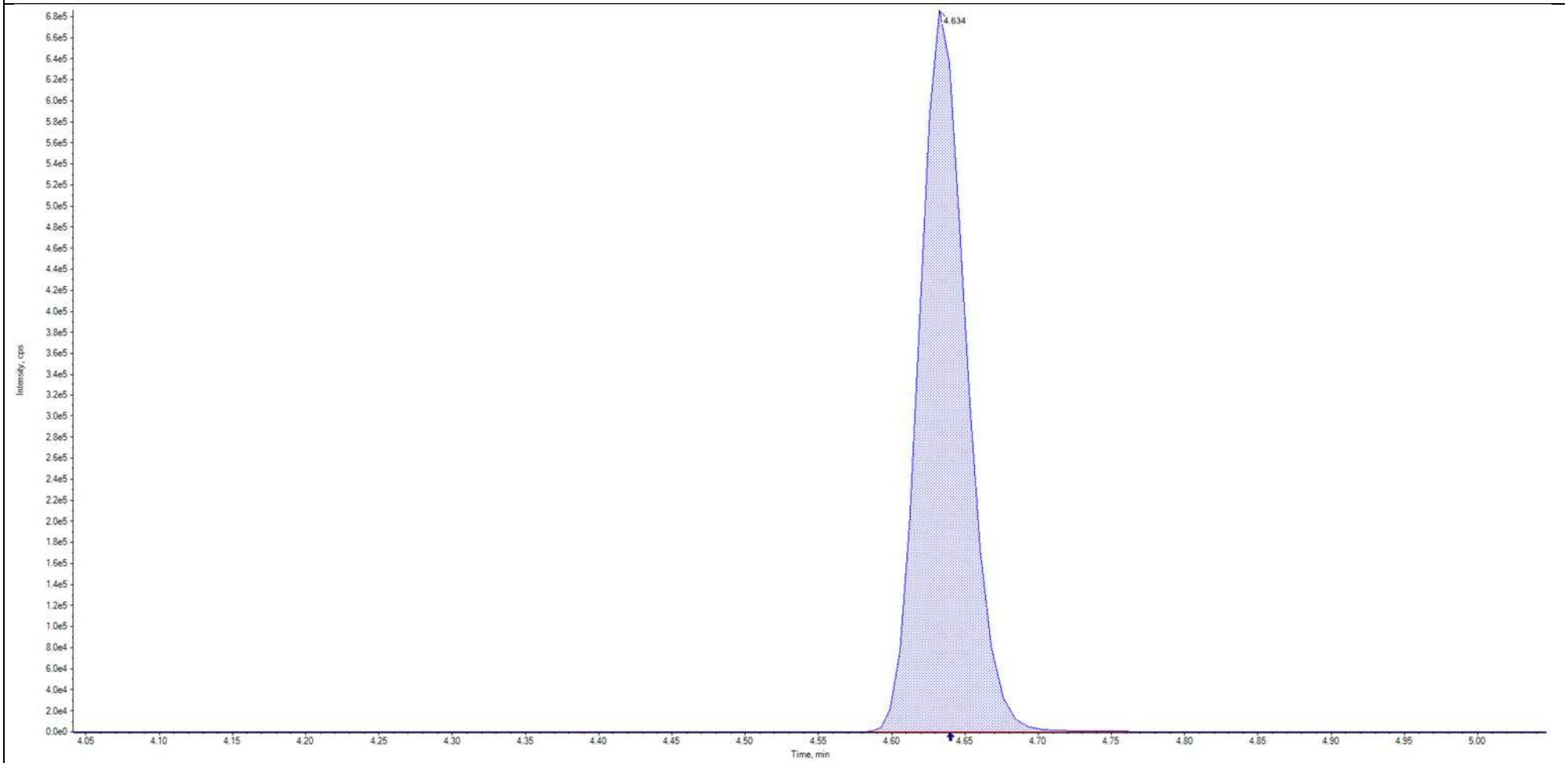
13C2-PFOA
Sample: IA1633STD-12.5 S/N:7632.4 Points Across peak:38



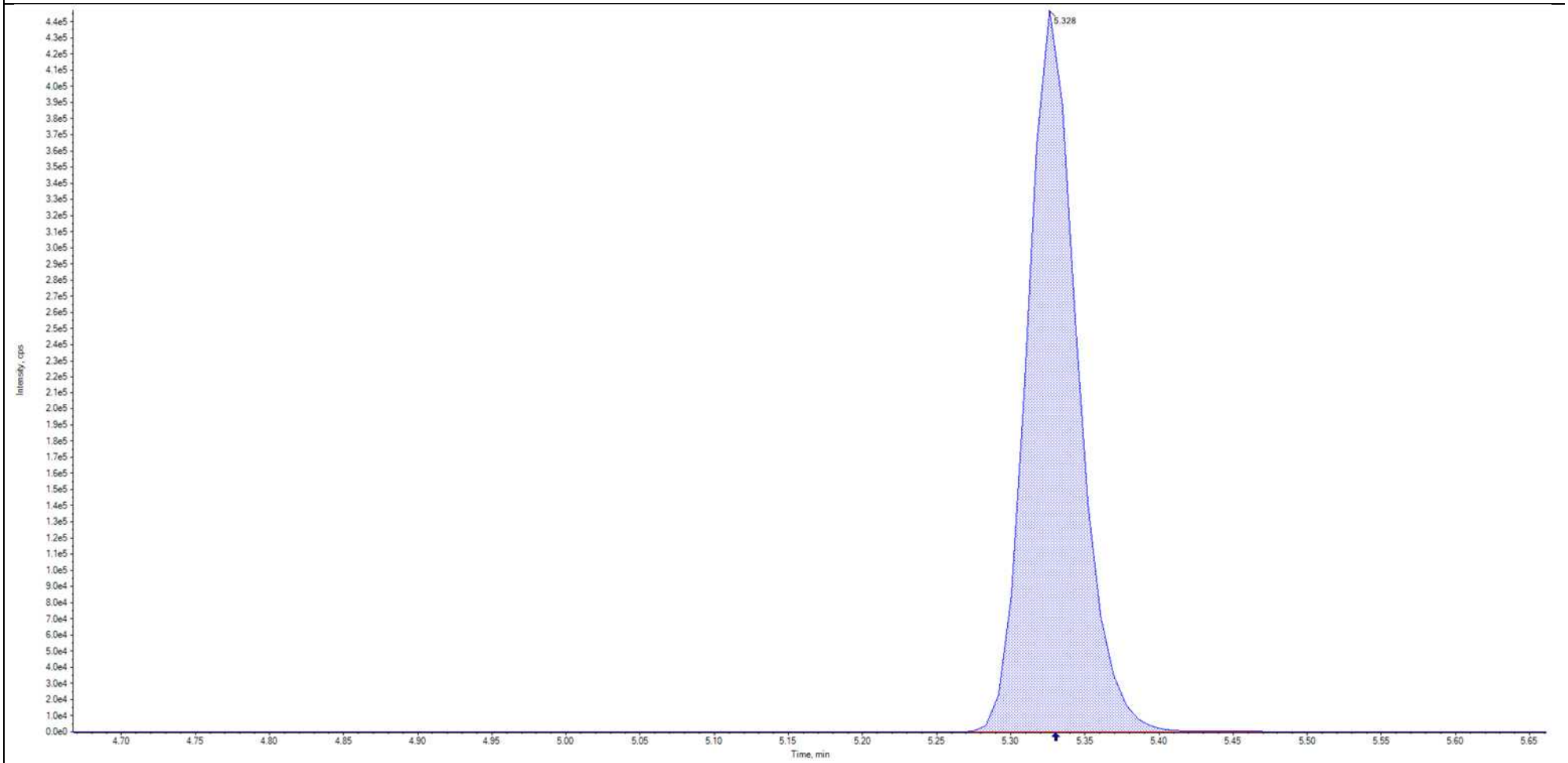
13C4-PFBA
Sample: IA1633STD-12.5



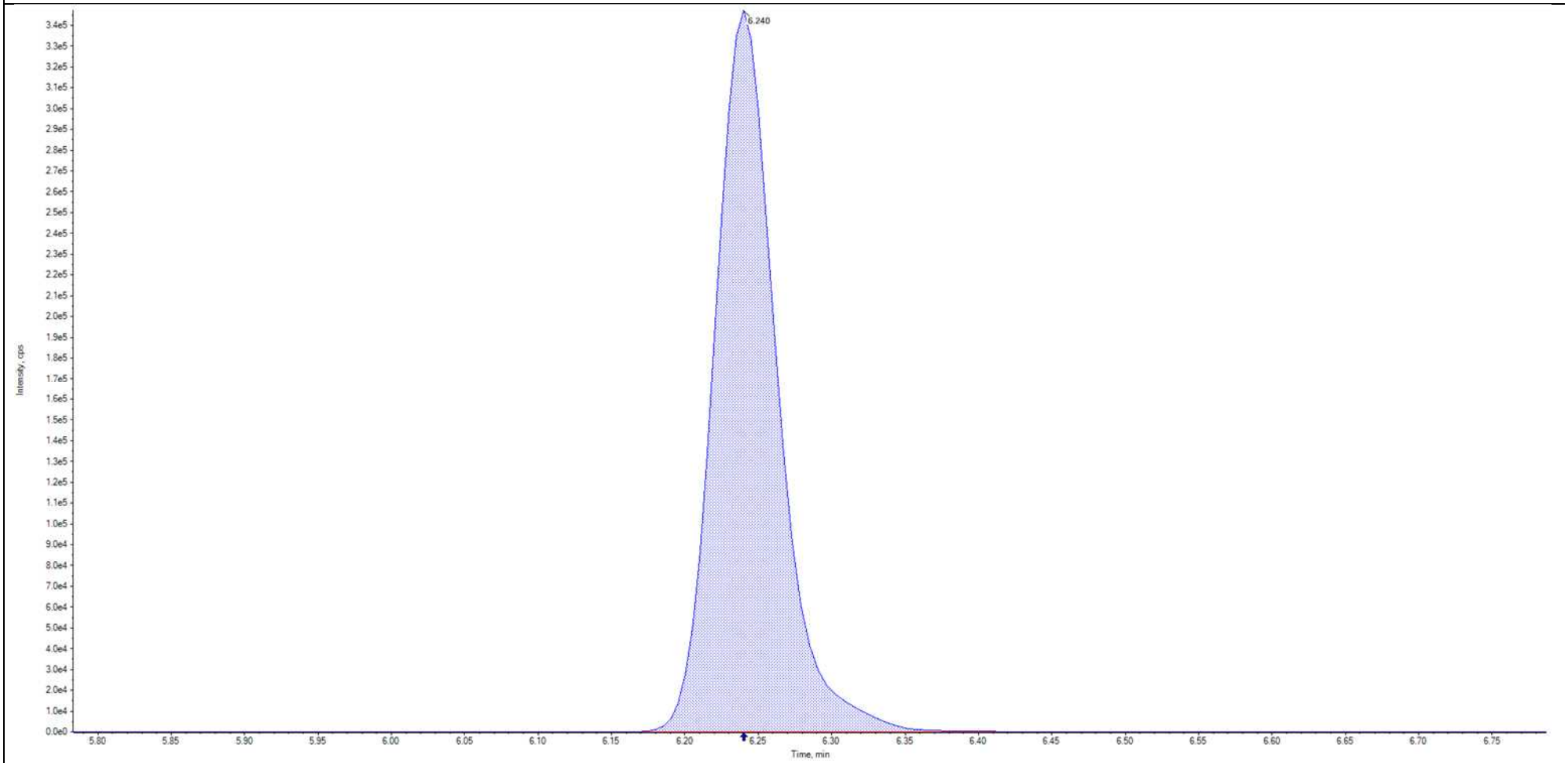
13C5-PFPeA
Sample: IA1633STD-12.5



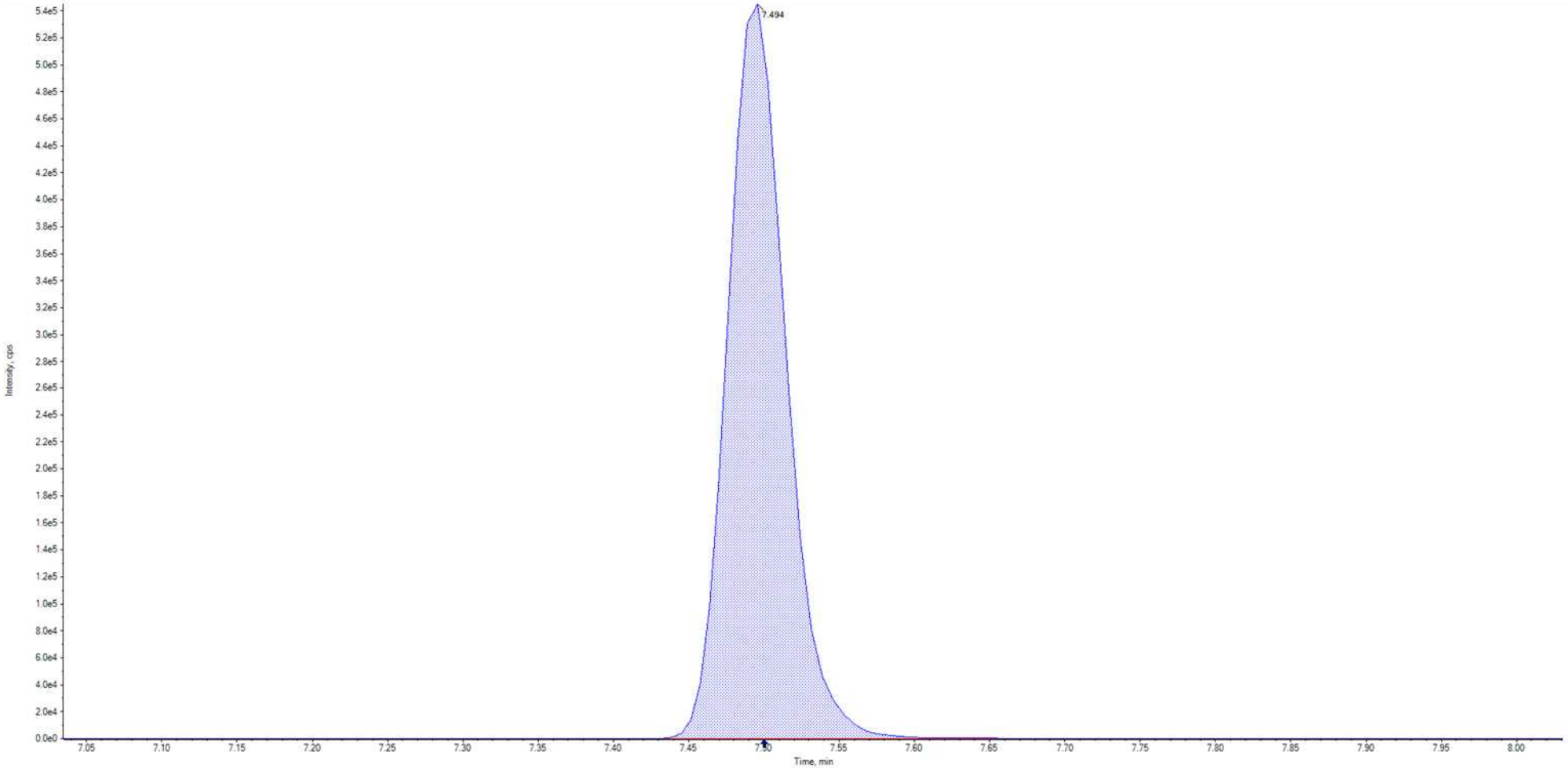
13C5-PFHxA
Sample: IA1633STD-12.5



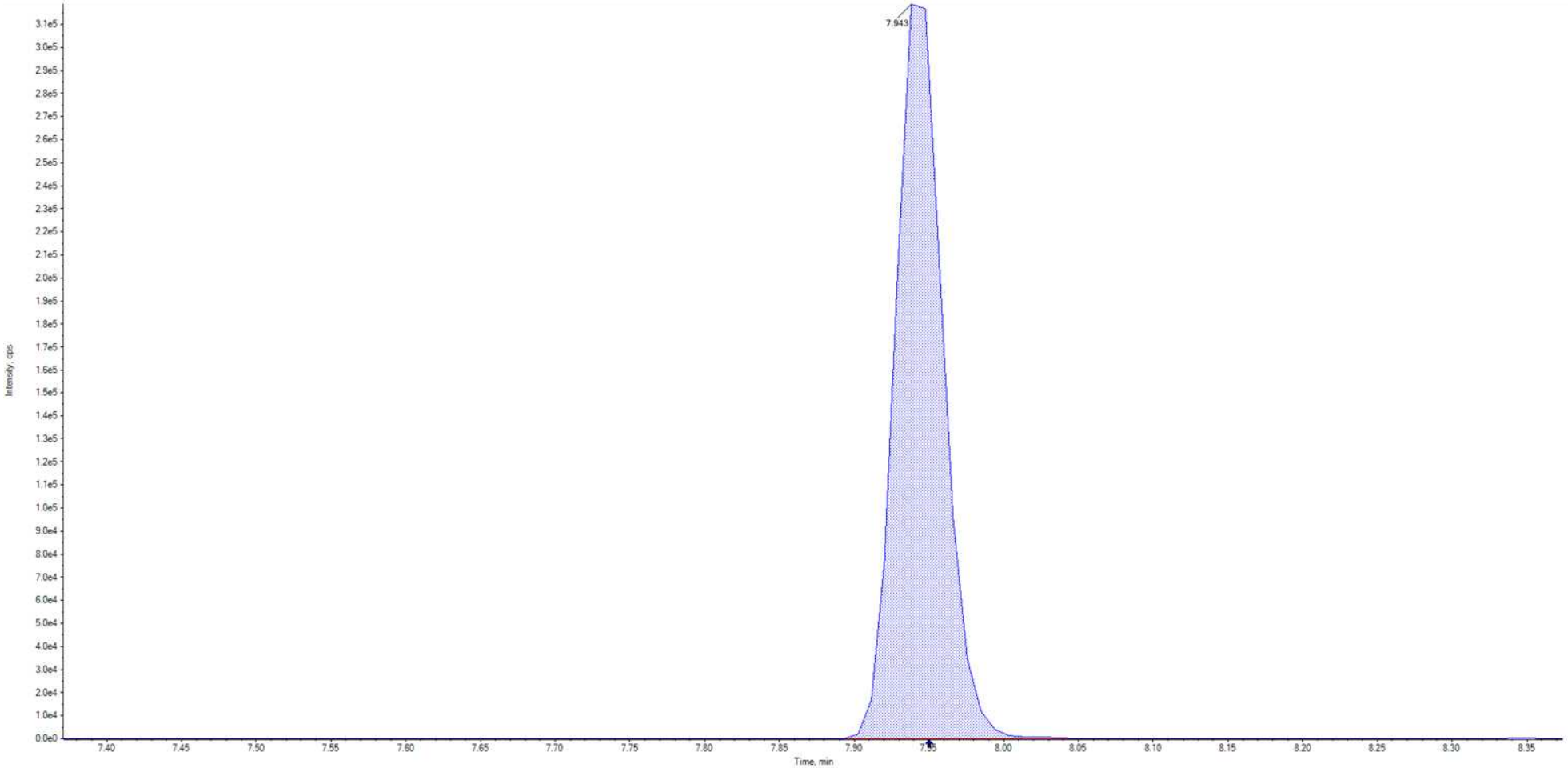
13C4-PFHpA
Sample: IA1633STD-12.5



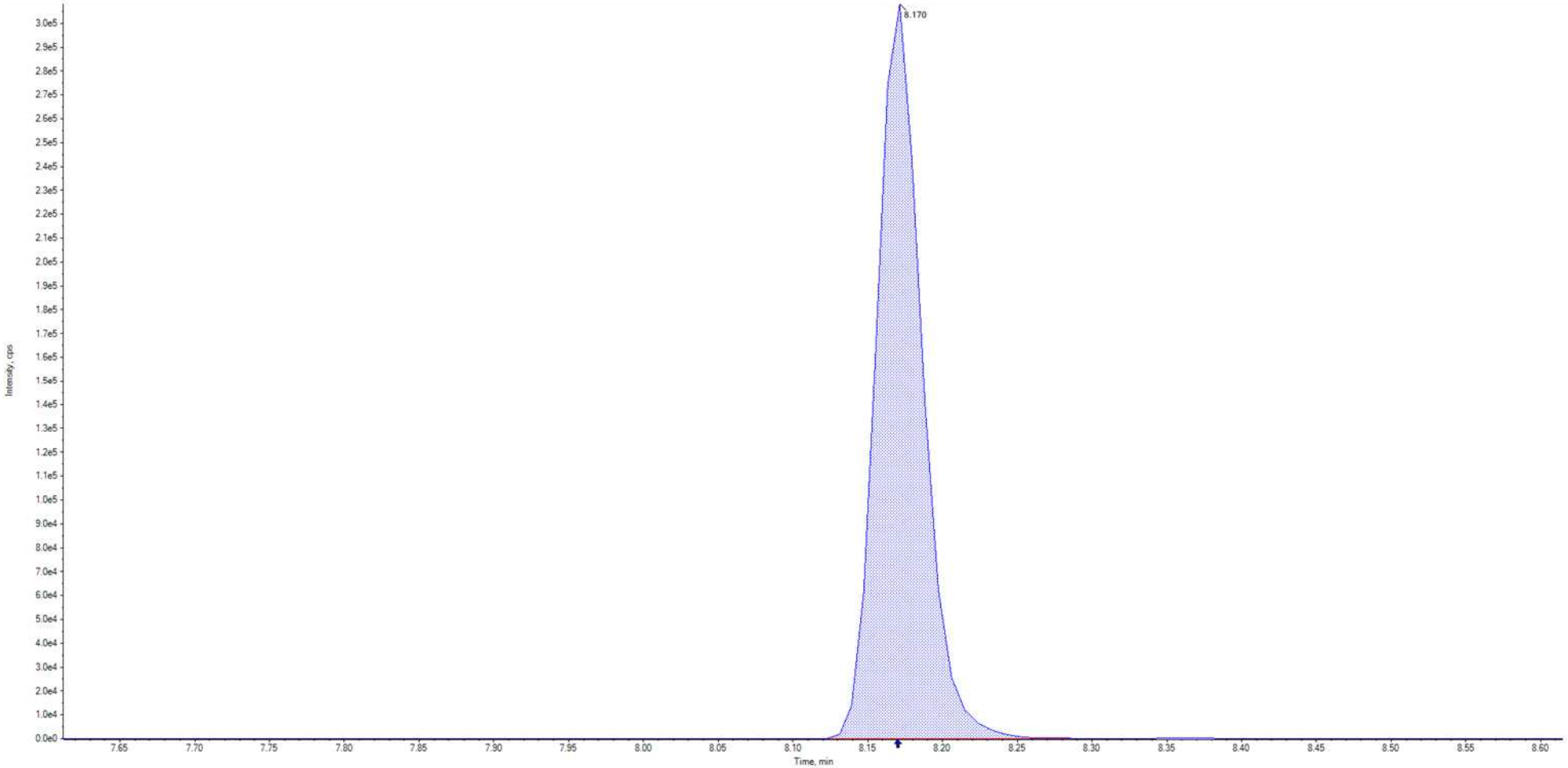
13C8-PFOA
Sample: IA1633STD-12.5



13C9-PFNA
Sample: IA1633STD-12.5

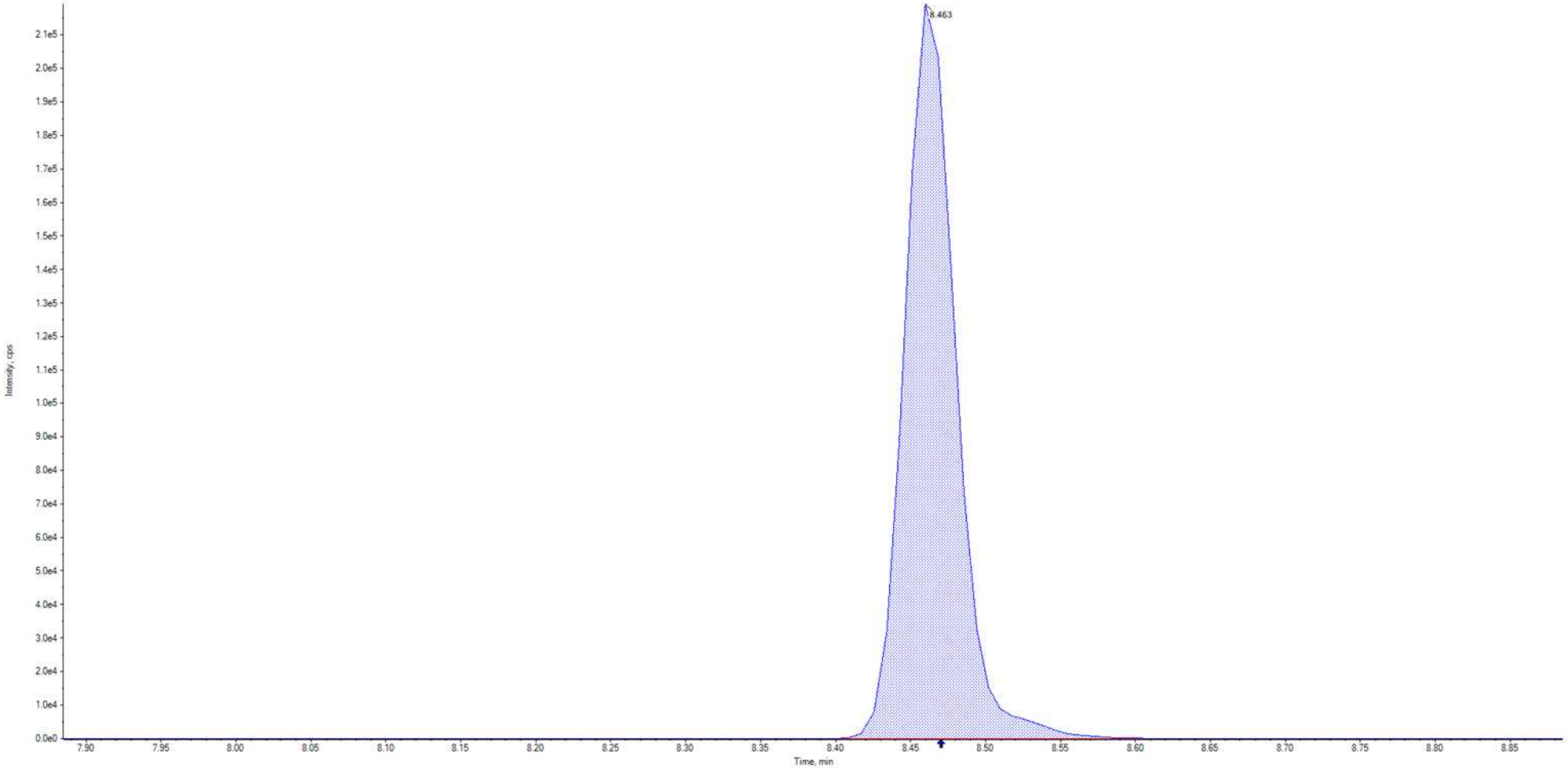


13C6-PFDA
Sample: IA1633STD-12.5

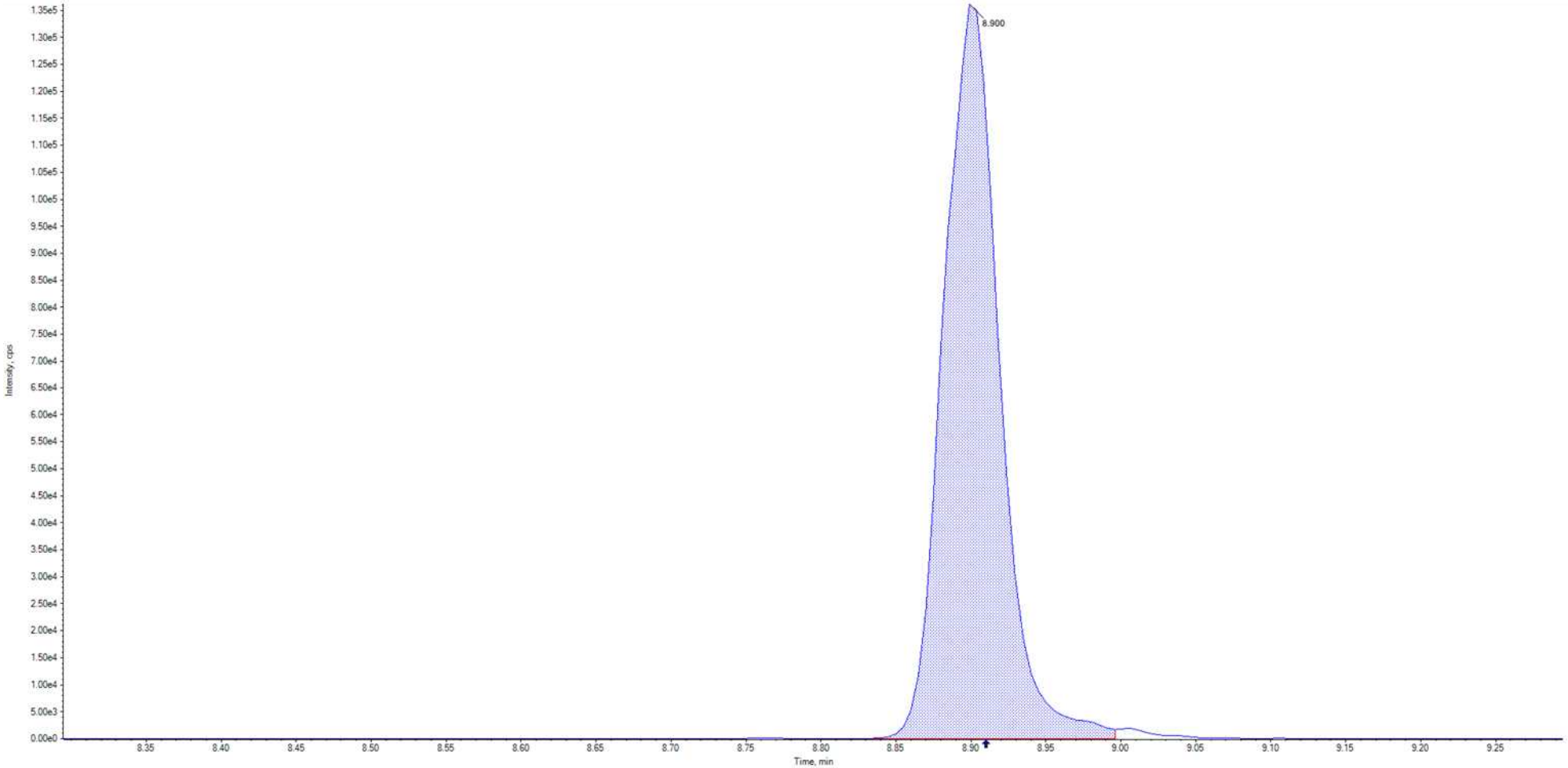


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_77.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

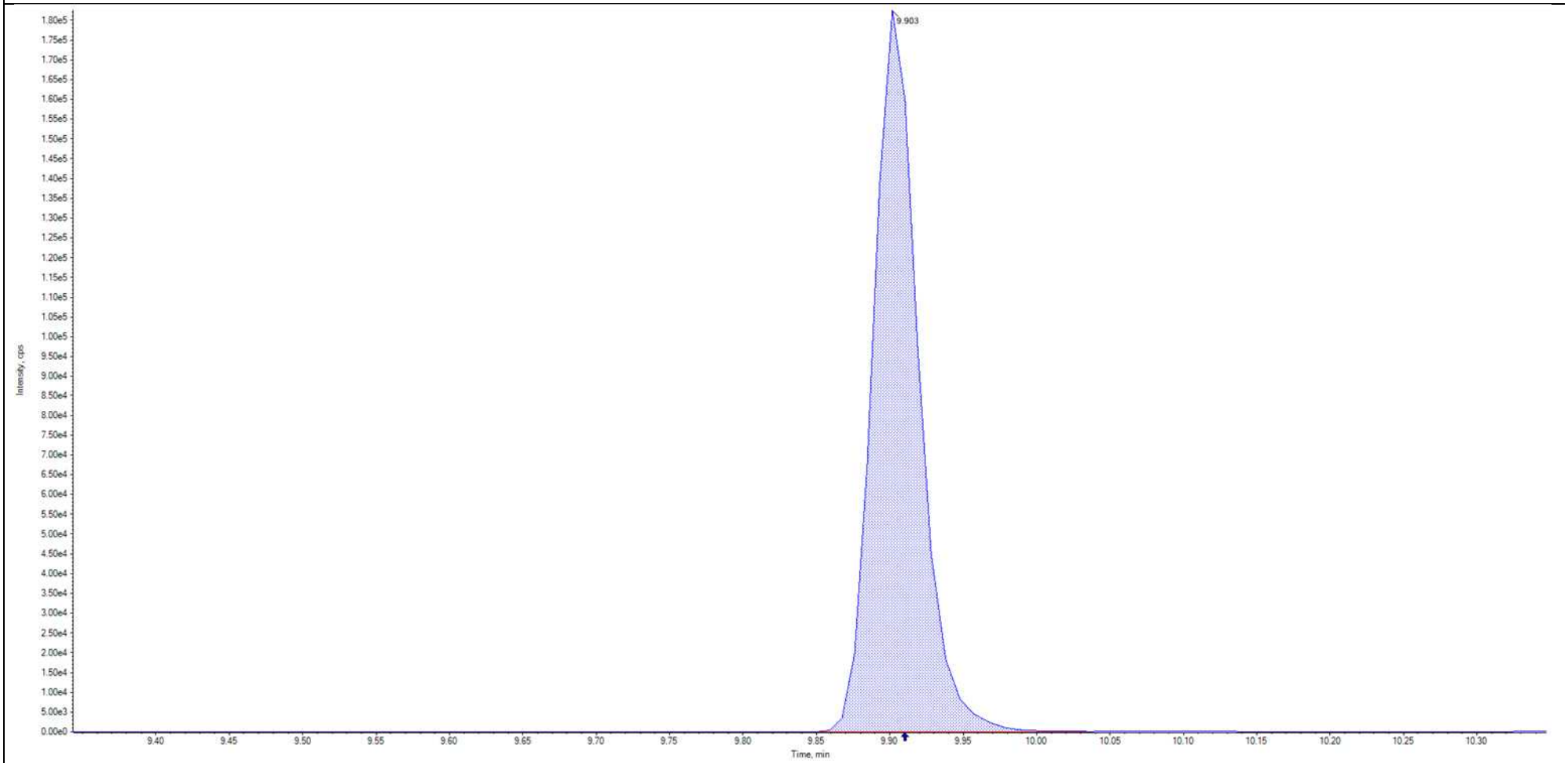
13C7-PFUnA
Sample: IA1633STD-12.5



13C2-PFDoA
Sample: IA1633STD-12.5



13C2-PFTeDA
Sample: IA1633STD-12.5



13C3-PFBS
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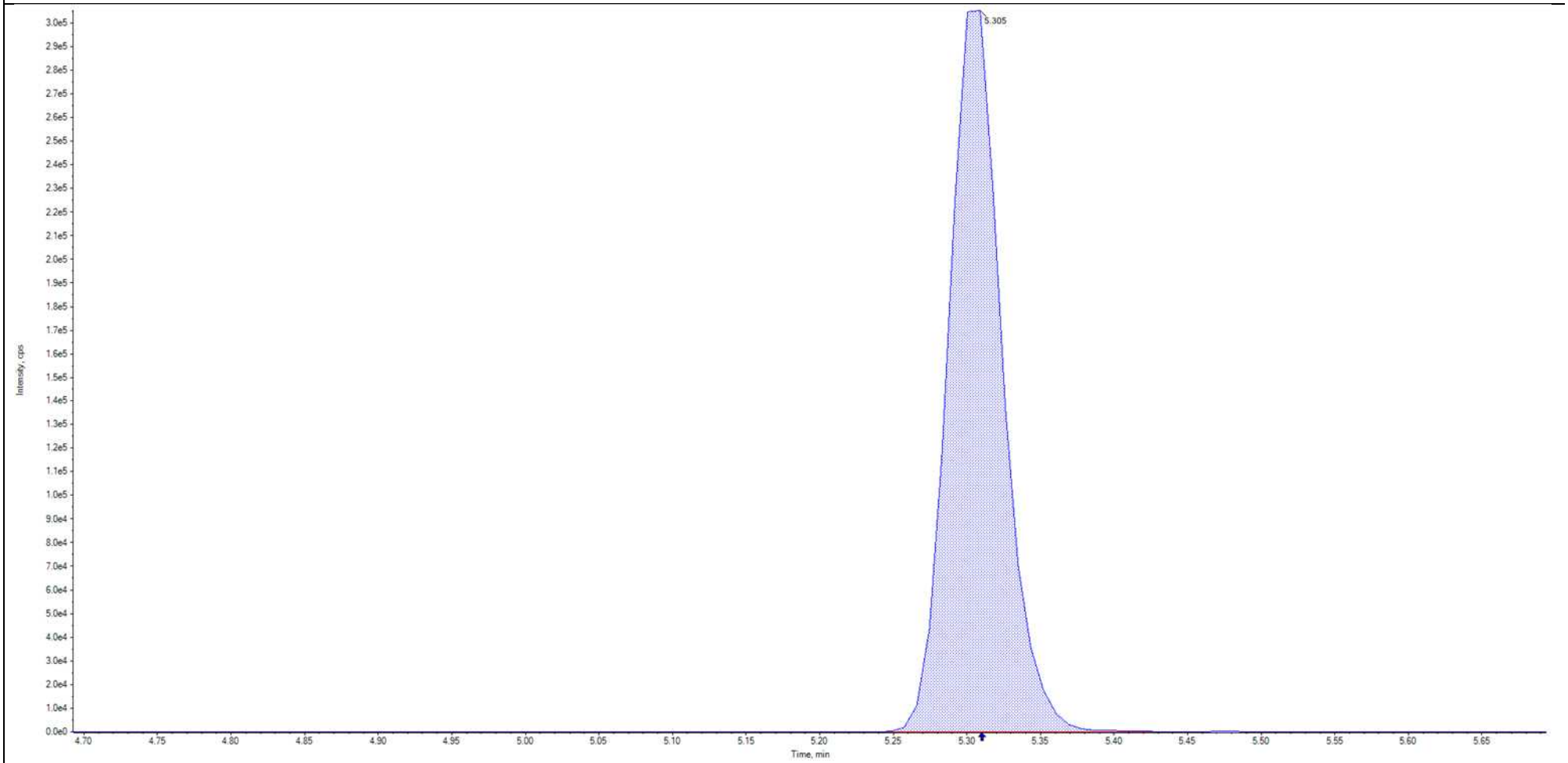
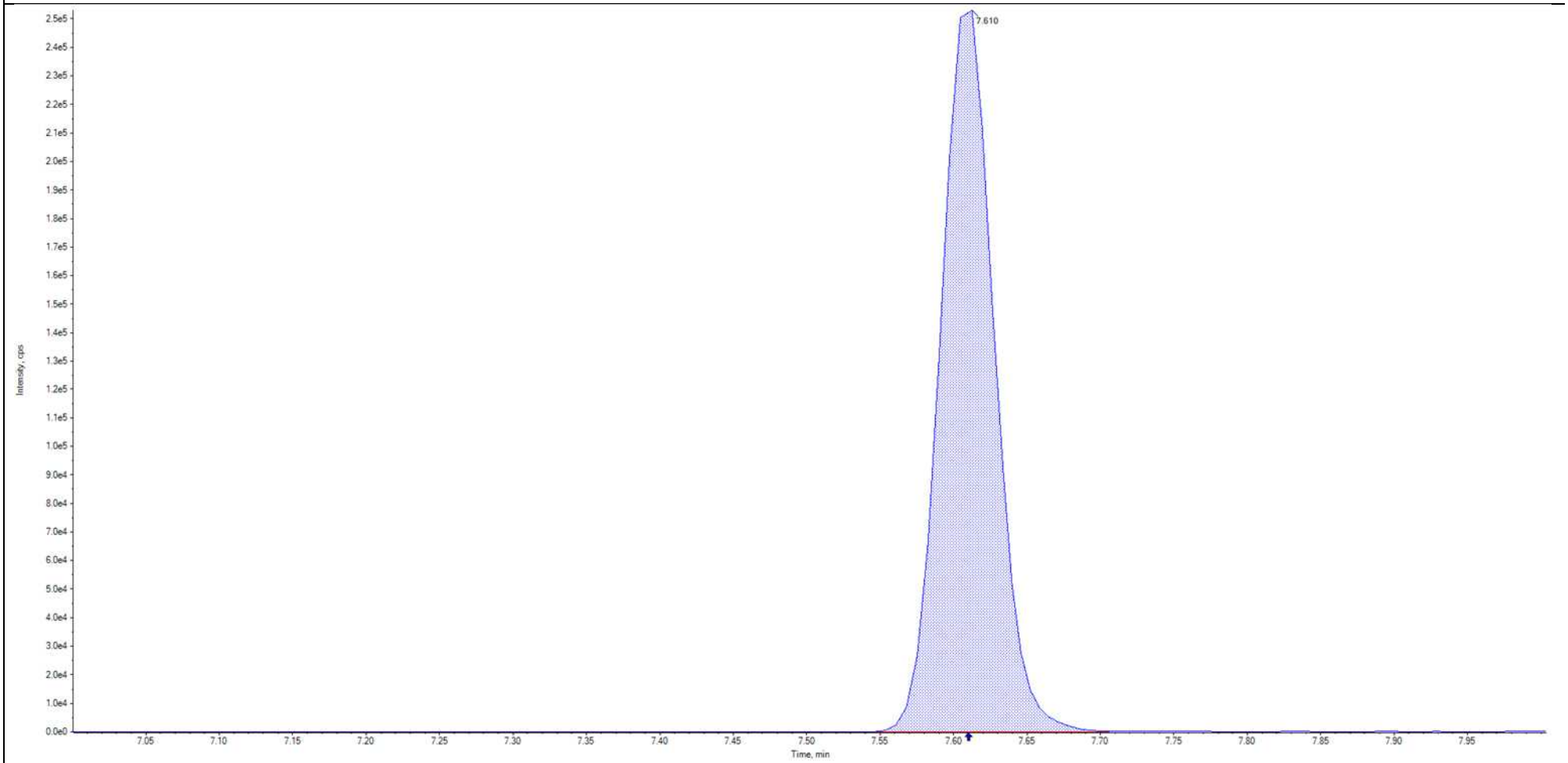


13C3-PFHxS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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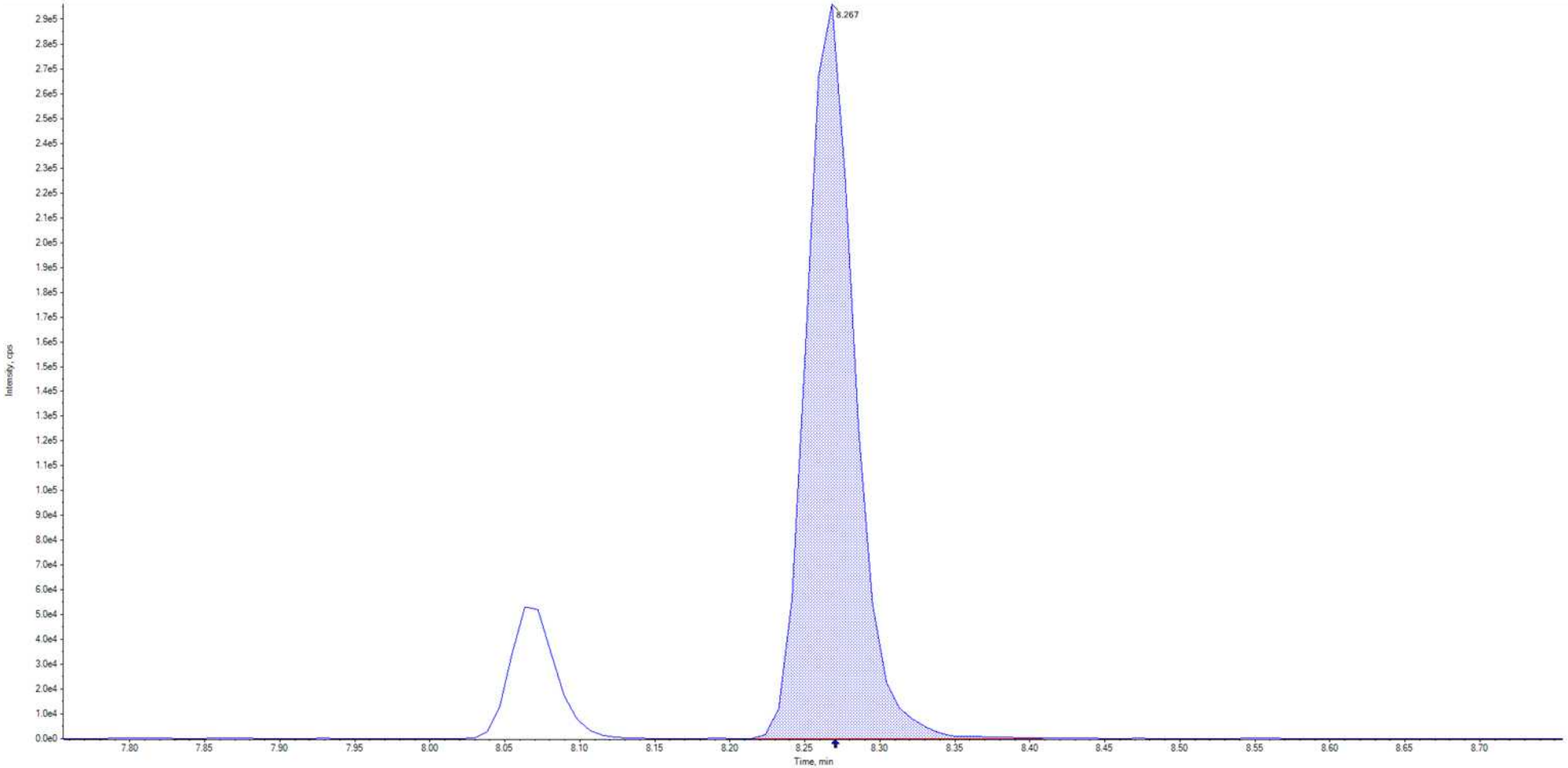
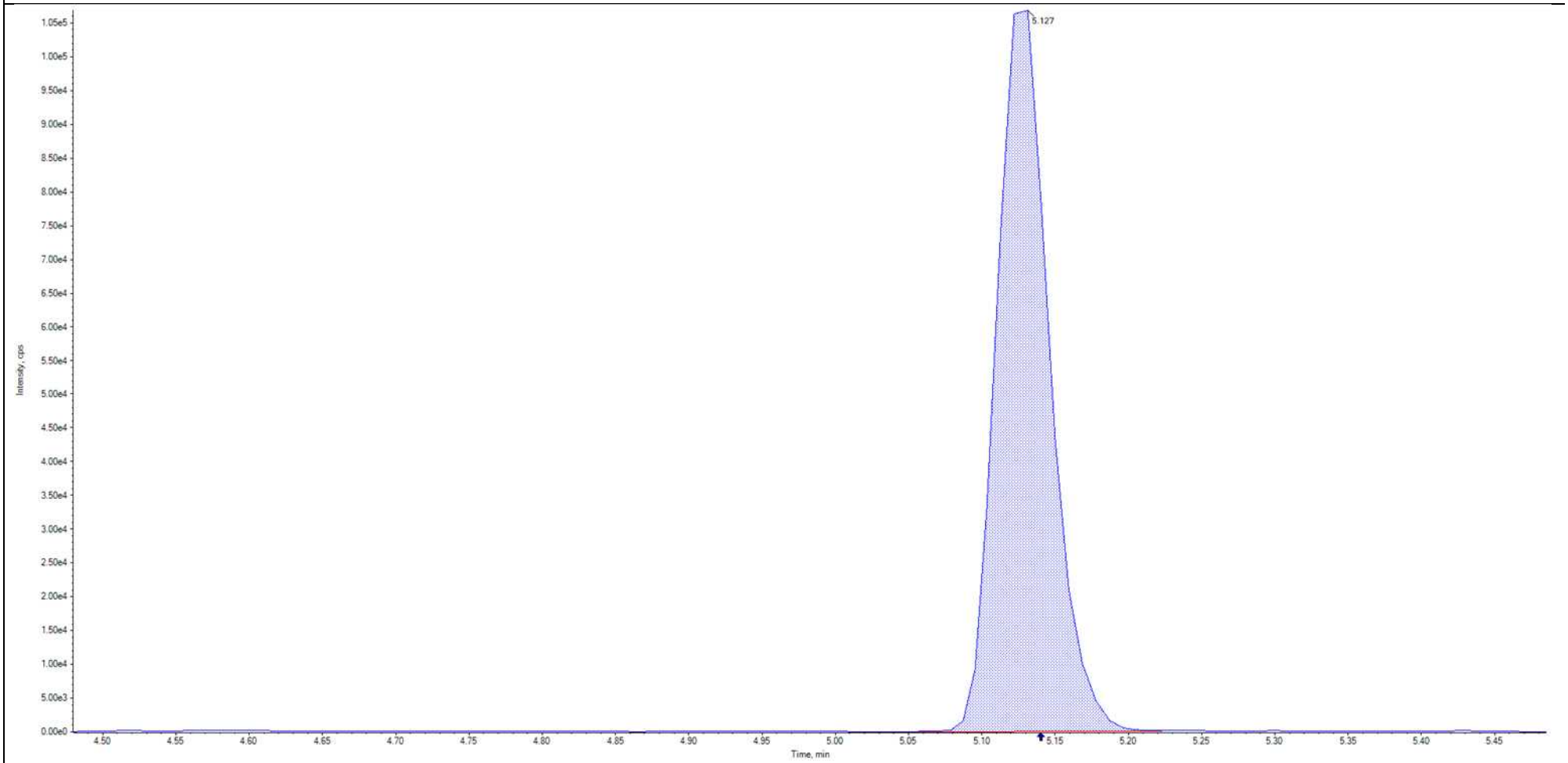
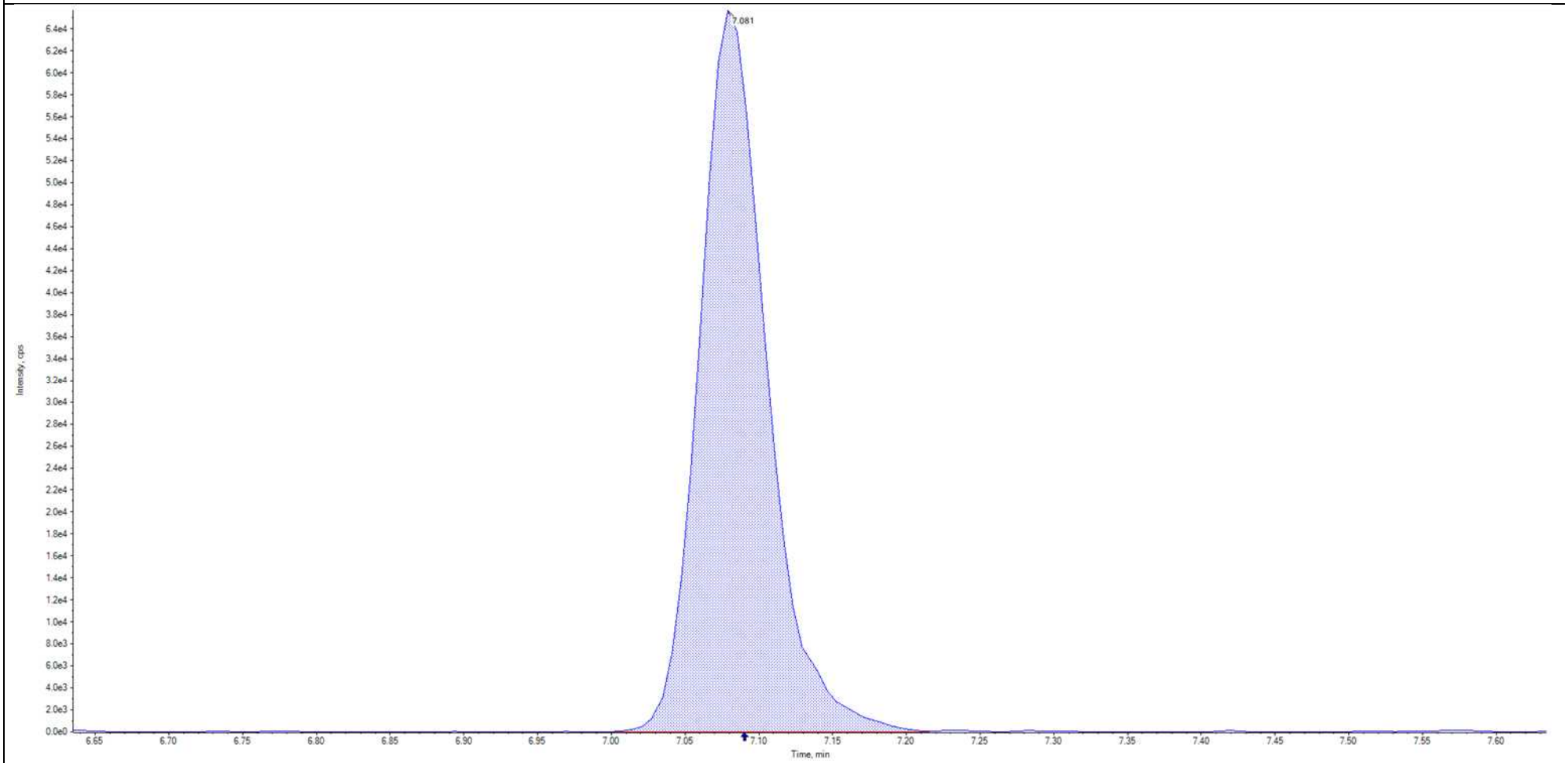
13C8-PFOS
Sample: IA1633STD-12.5



13C2-4:2FTS
Sample: IA1633STD-12.5



13C2-6:2FTS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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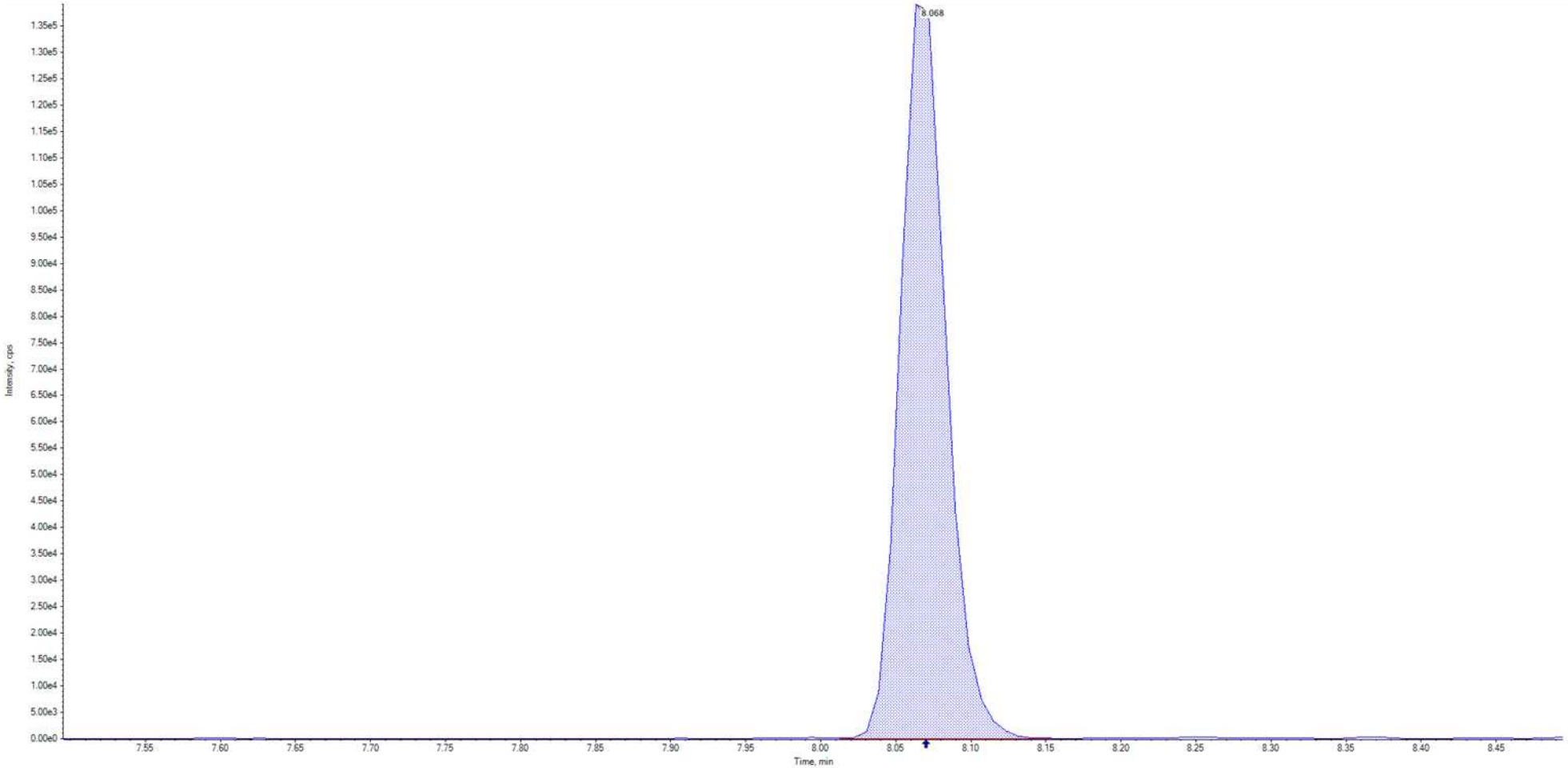
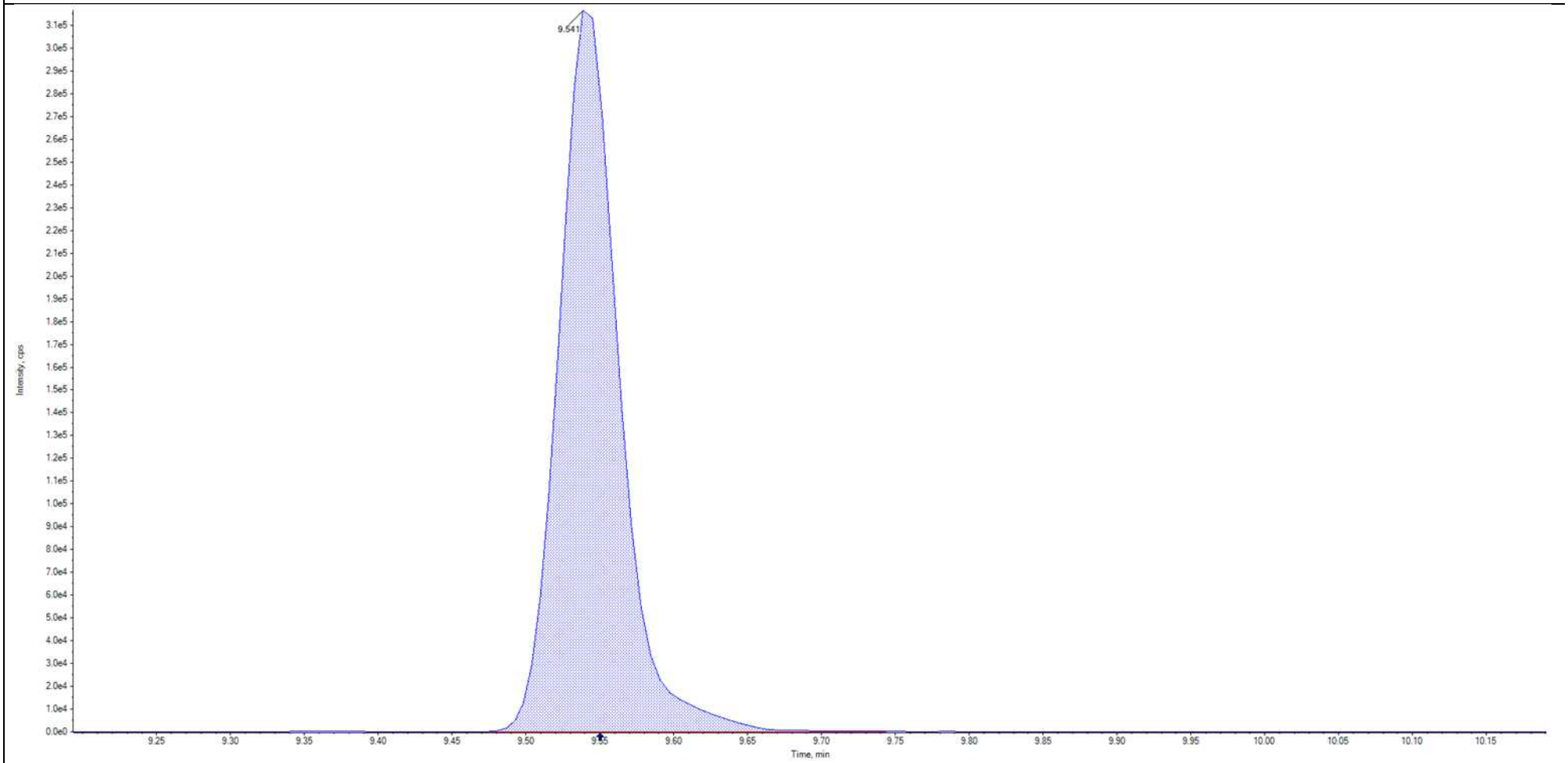
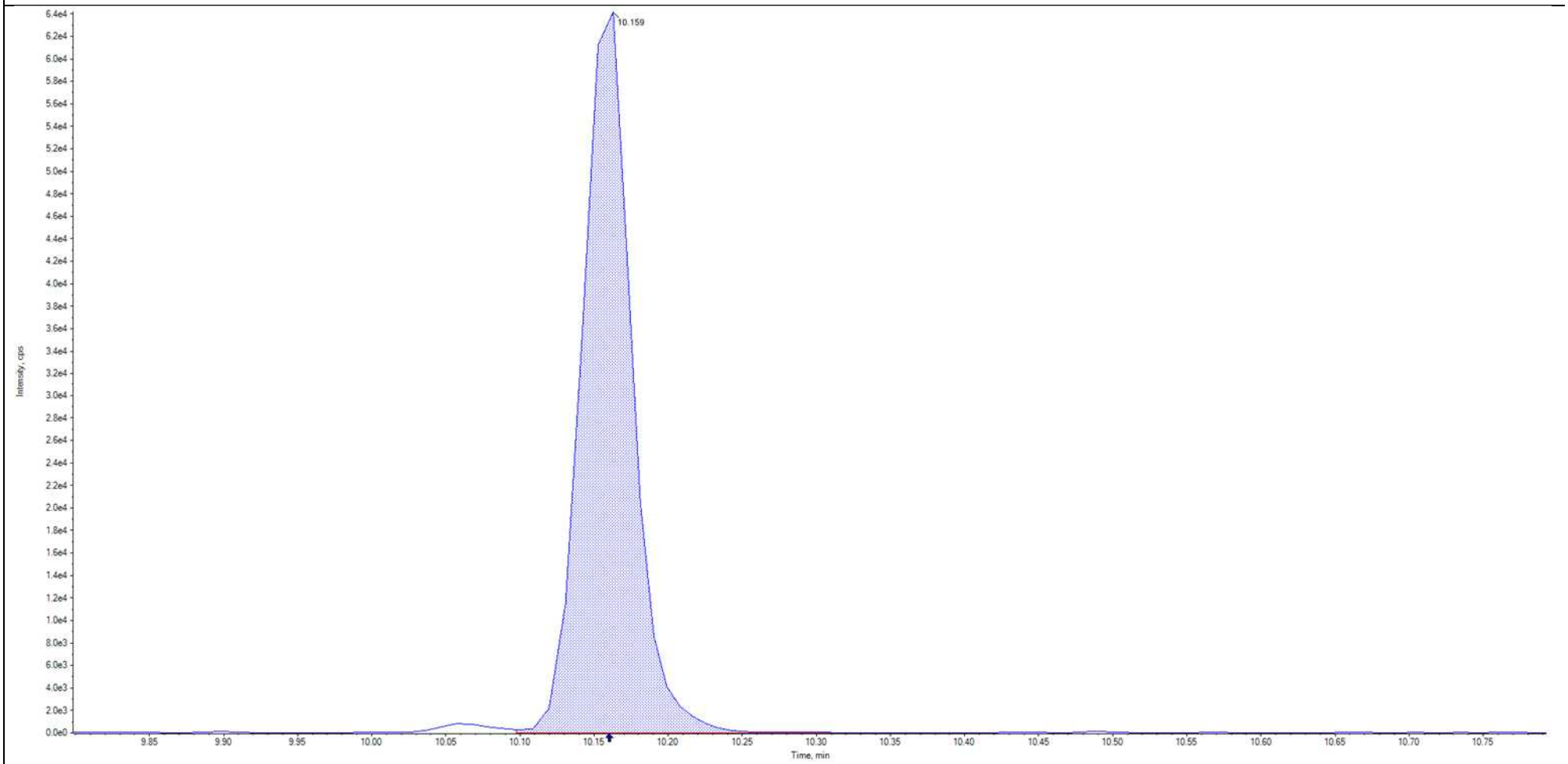
13C2-8:2FTS
Sample: IA1633STD-12.5



13C8-PFOSA
Sample: IA1633STD-12.5



d3-NMeFOSA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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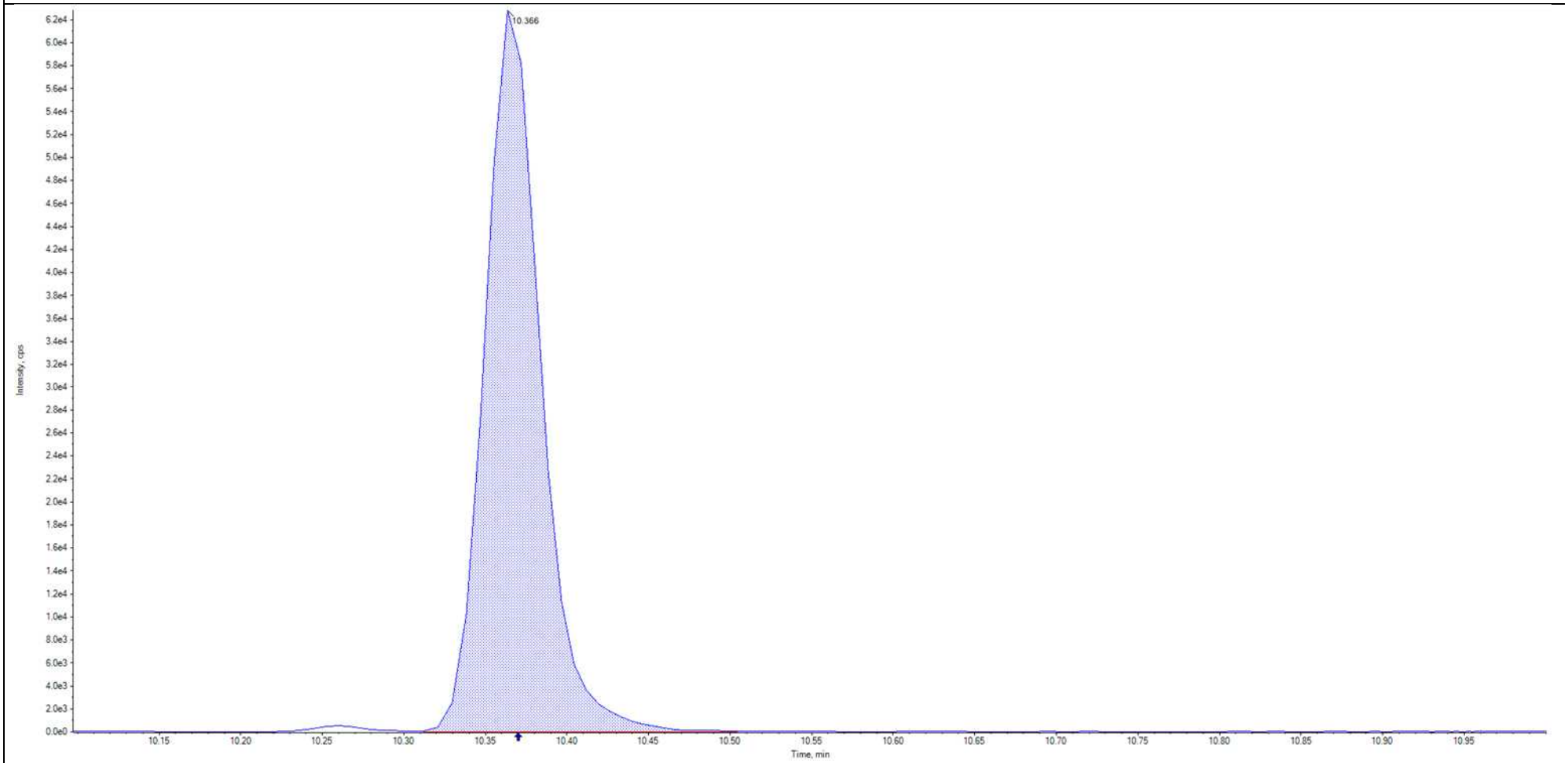
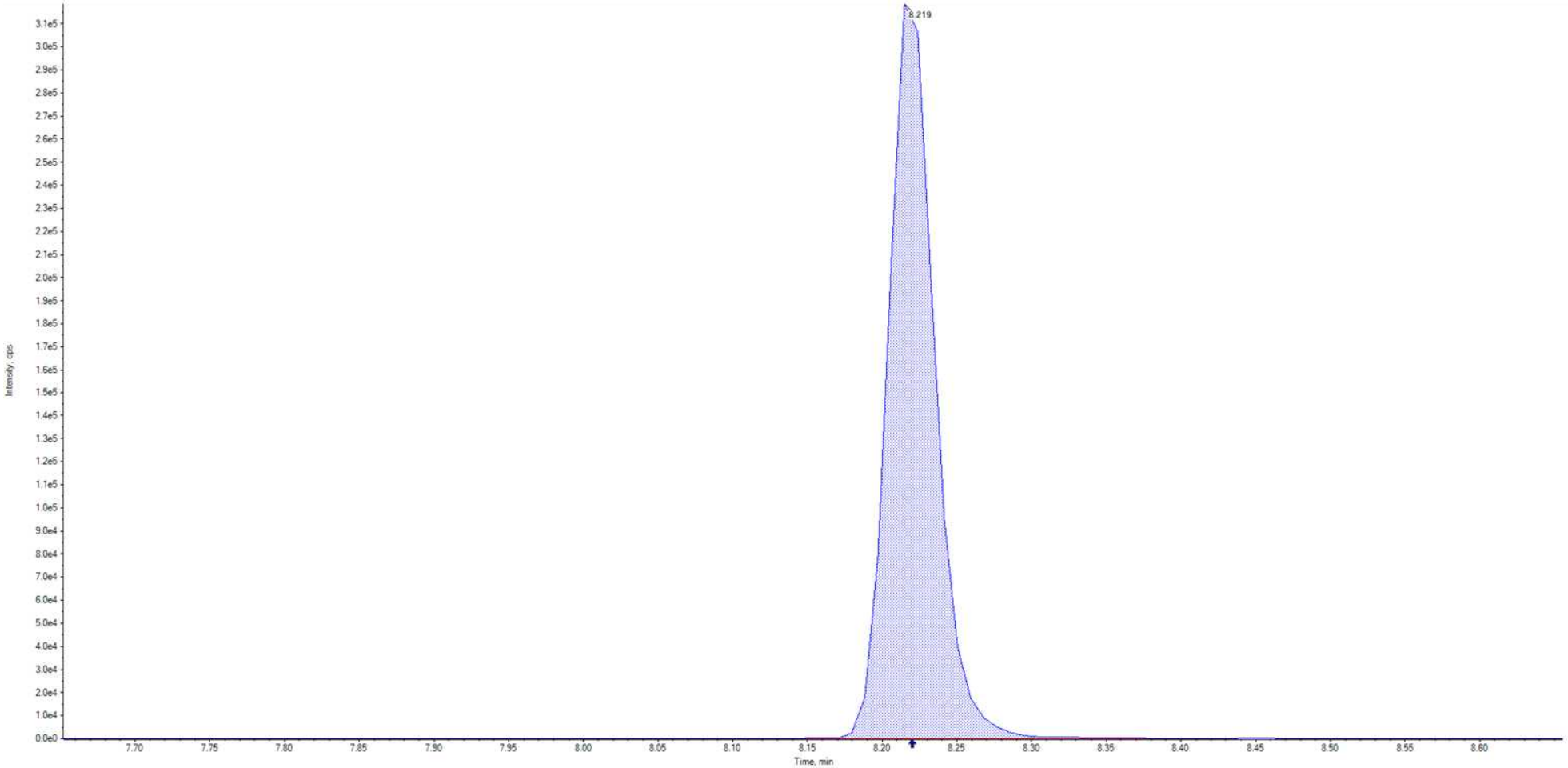
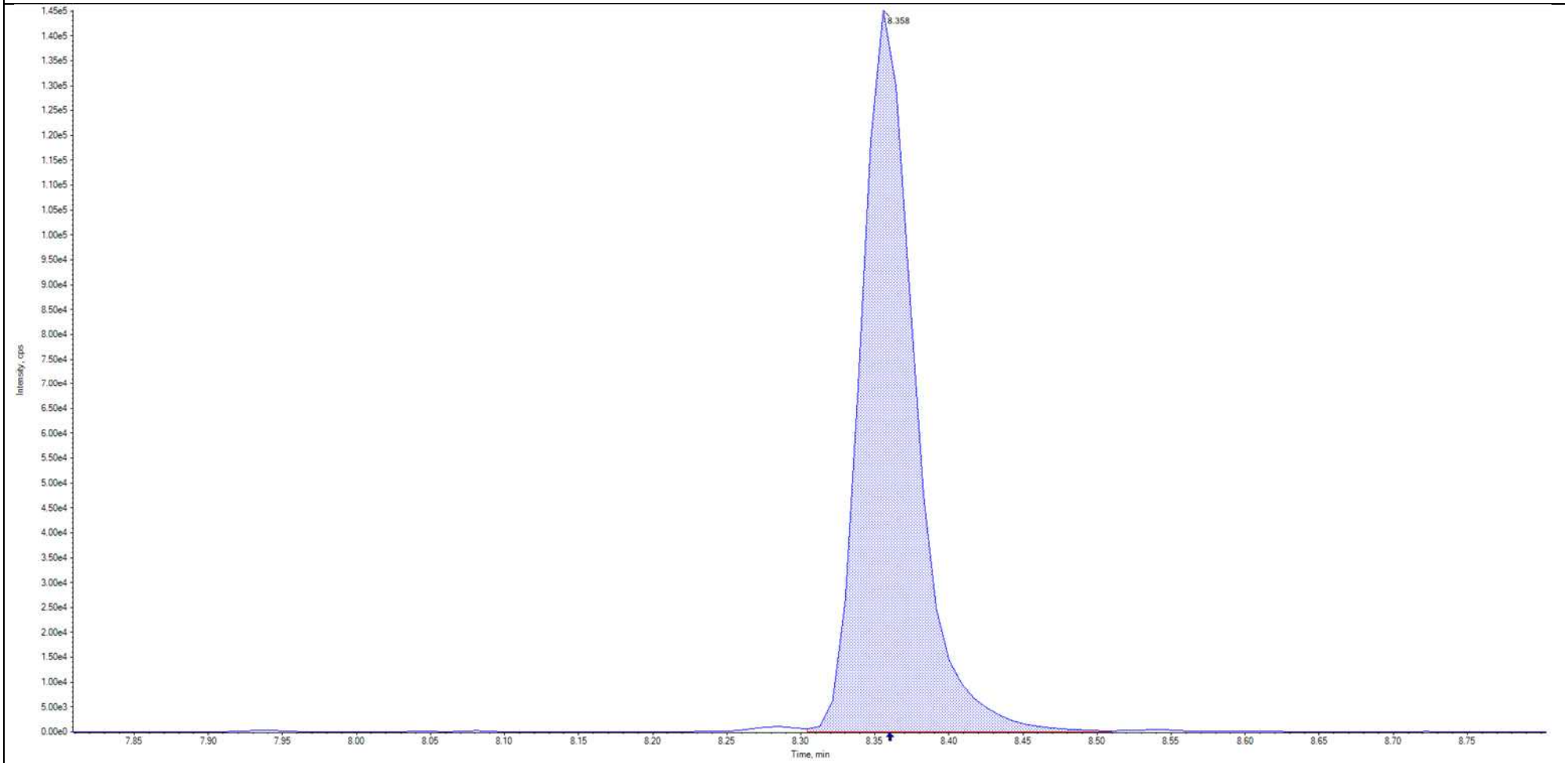
d5-NEtFOSA
Sample: IA1633STD-12.5



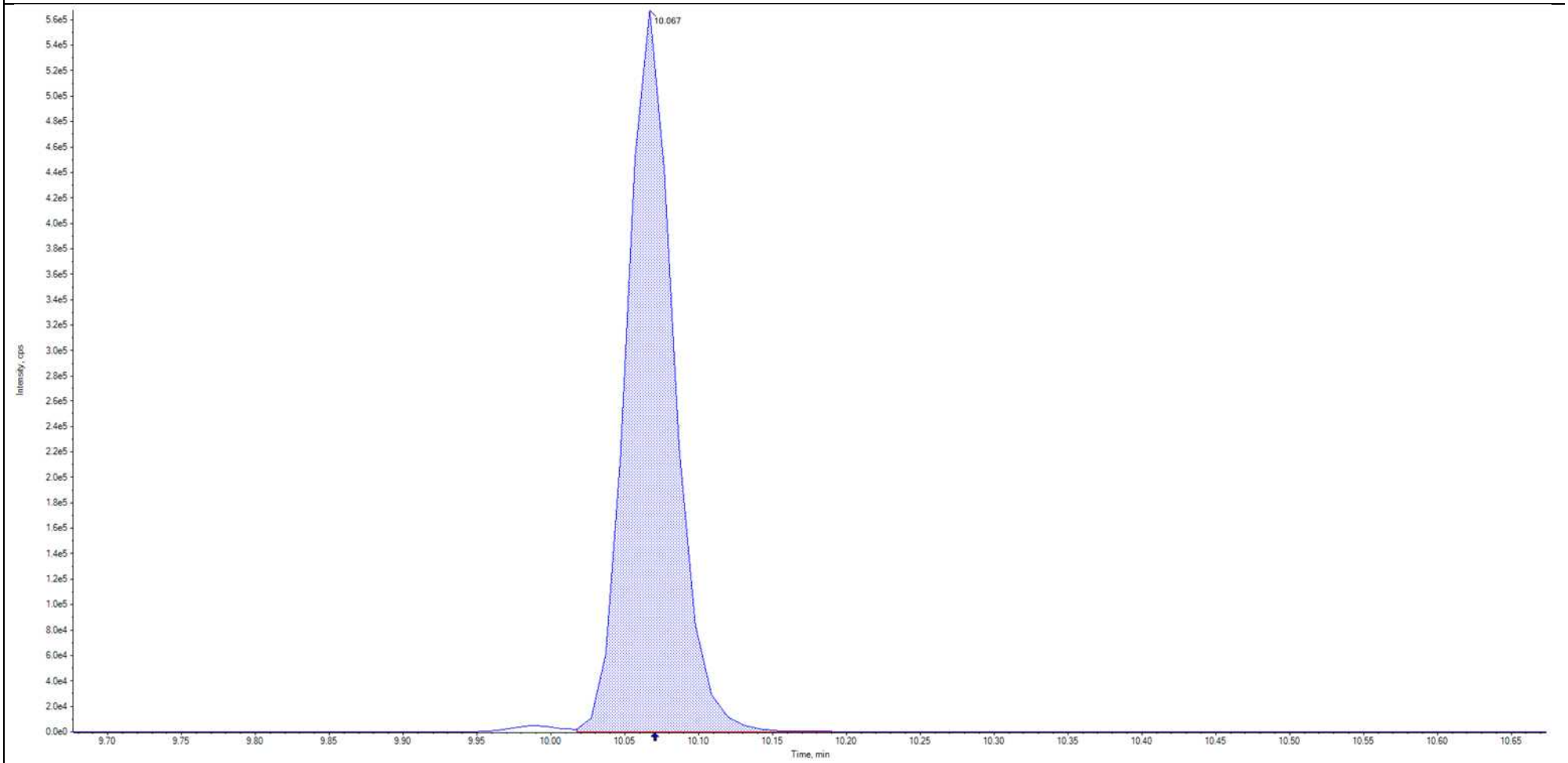
d3-NMeFOSAA
Sample: IA1633STD-12.5



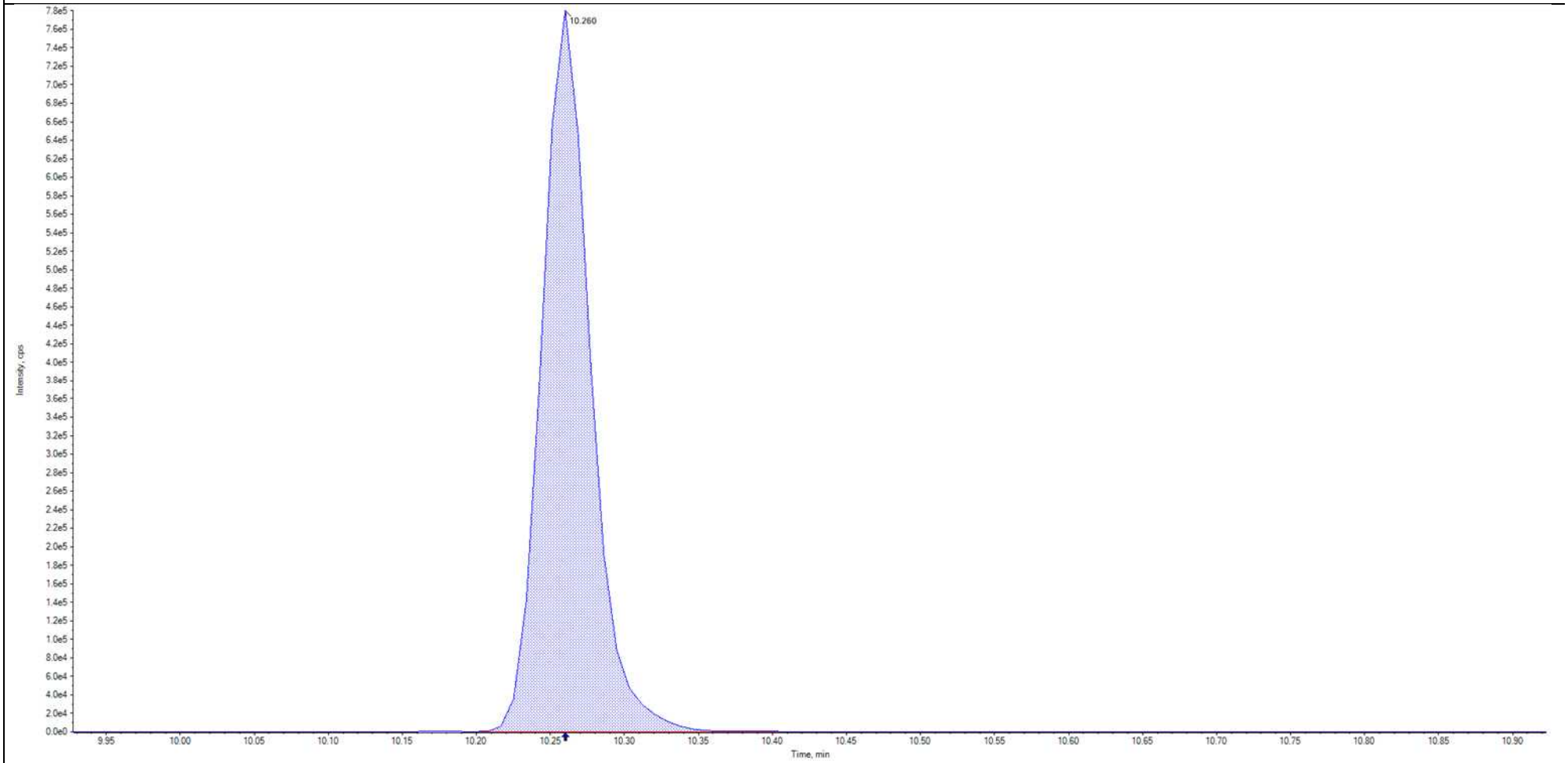
d5-NEtFOSAA
Sample: IA1633STD-12.5



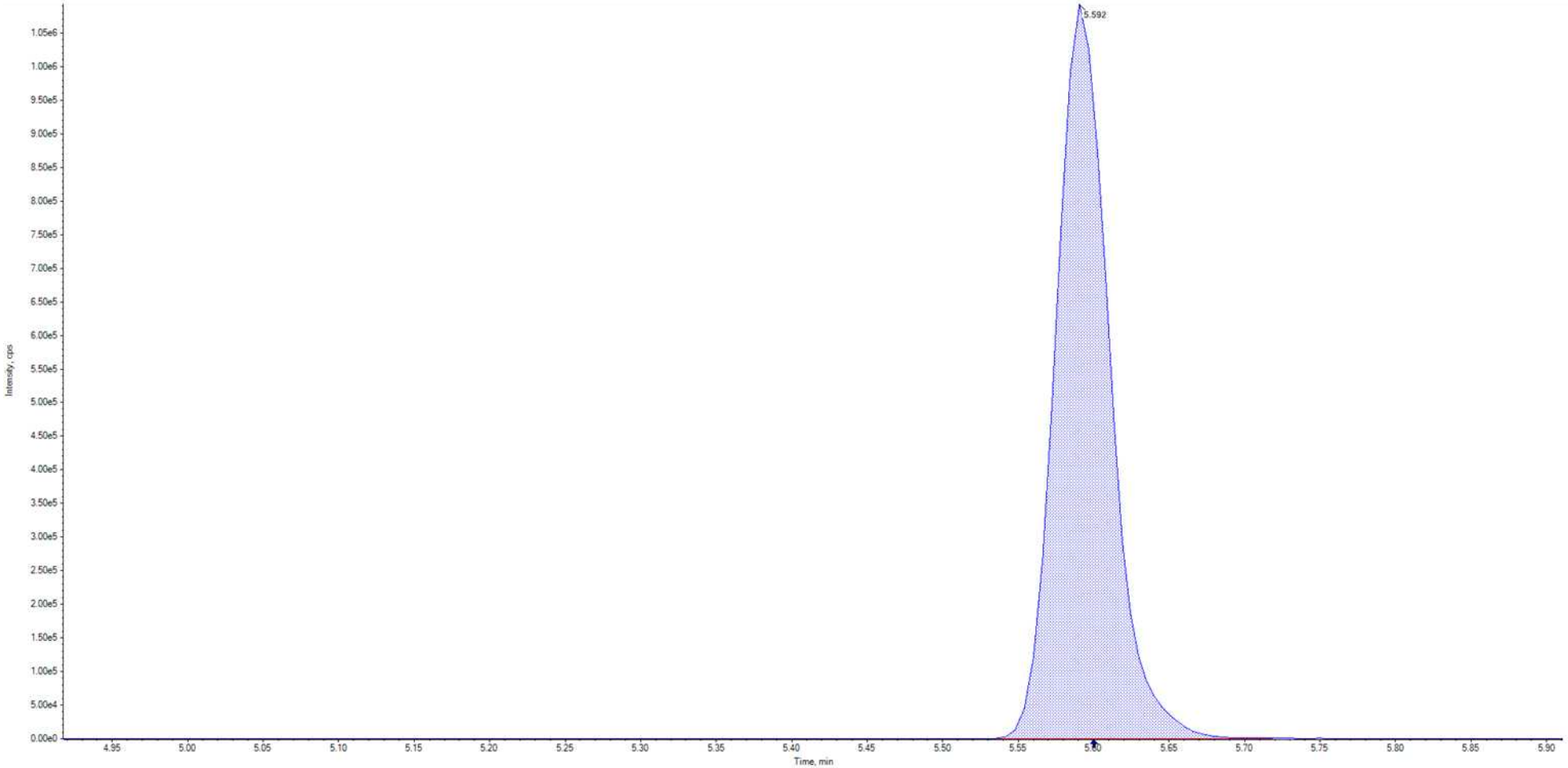
d7-NMeFOSE
Sample: IA1633STD-12.5



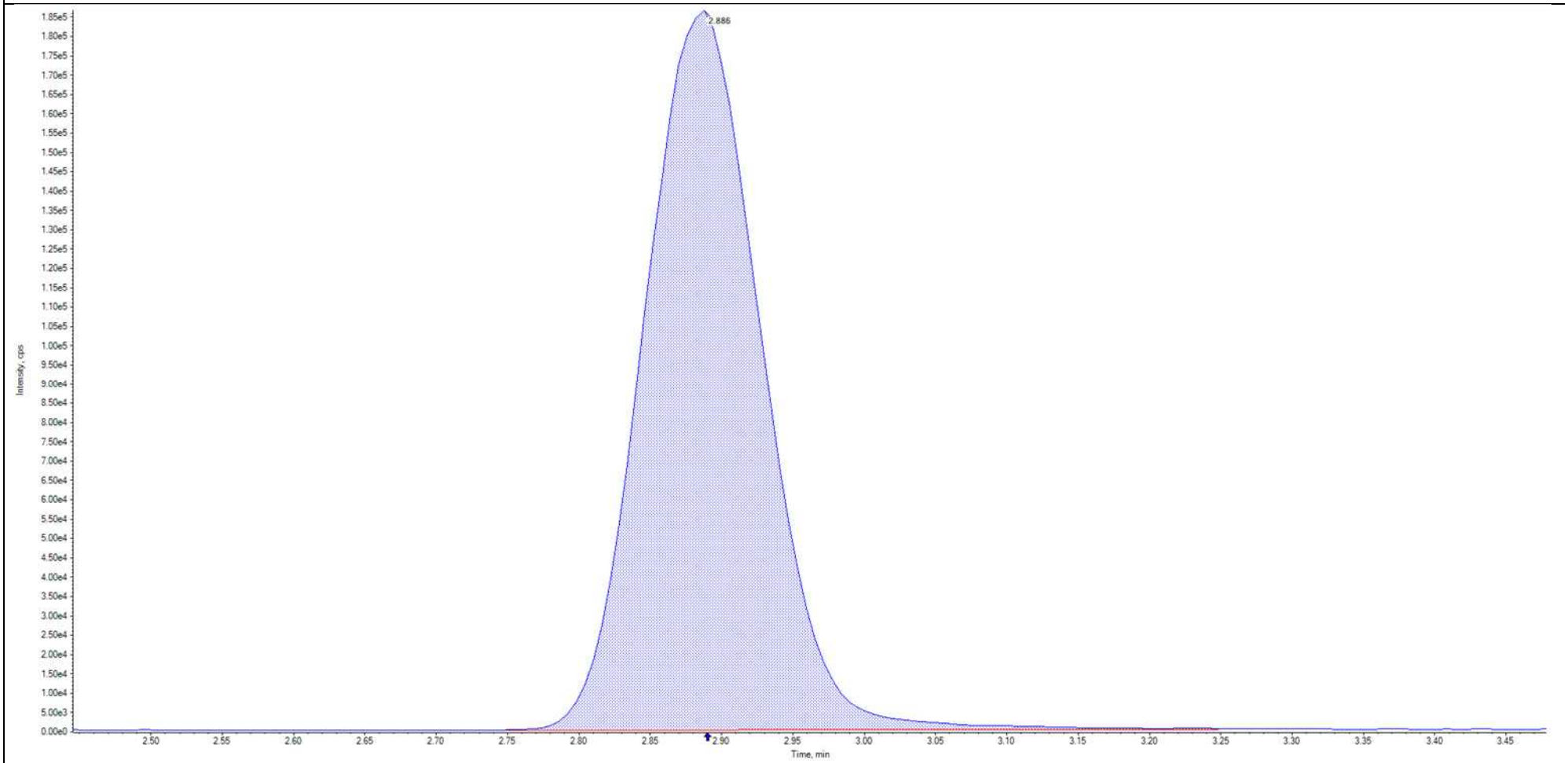
d9-NEtFOSE
Sample: IA1633STD-12.5



13C3-HFPO-DA
Sample: IA1633STD-12.5



13C3-PFBA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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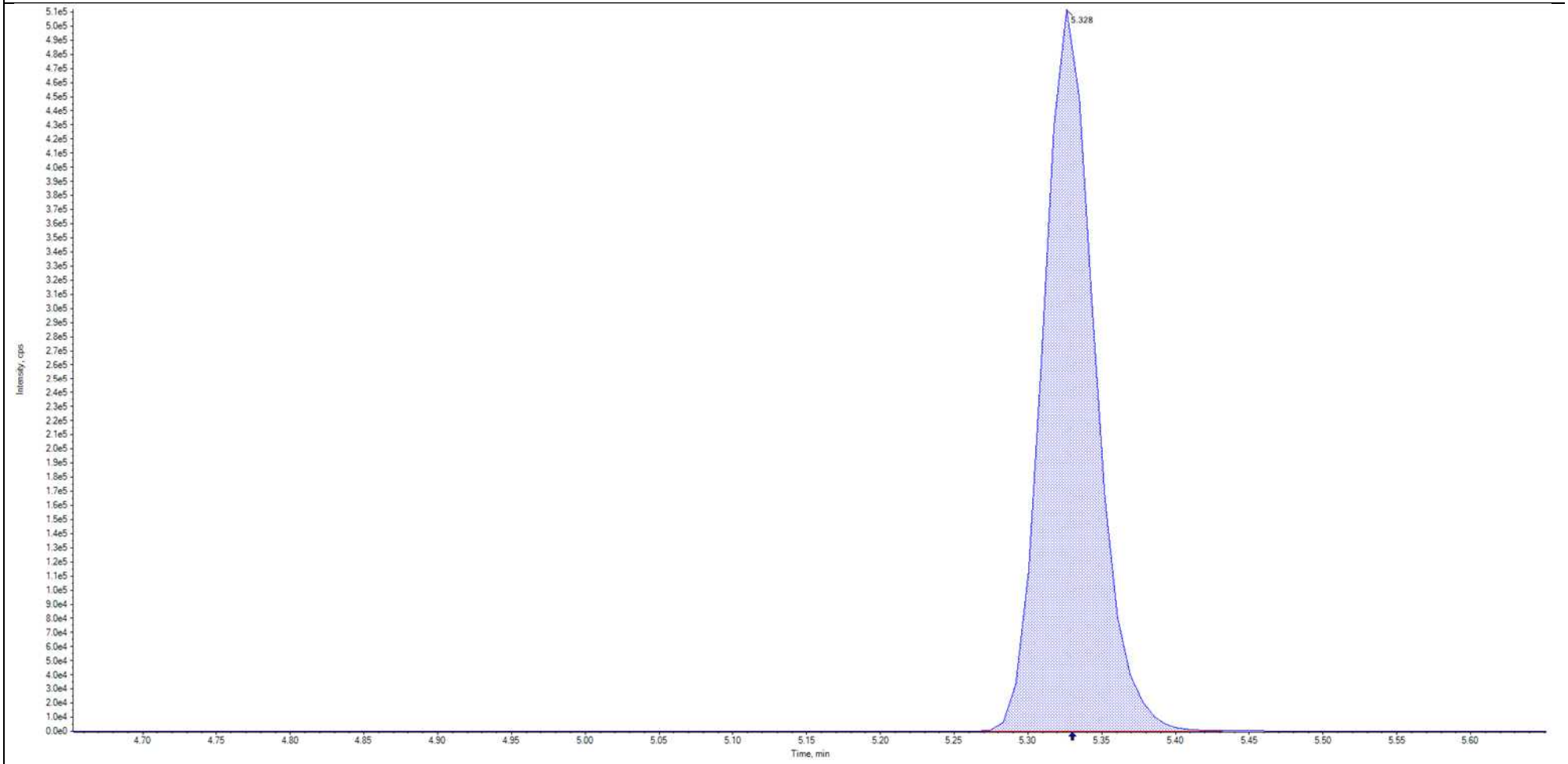
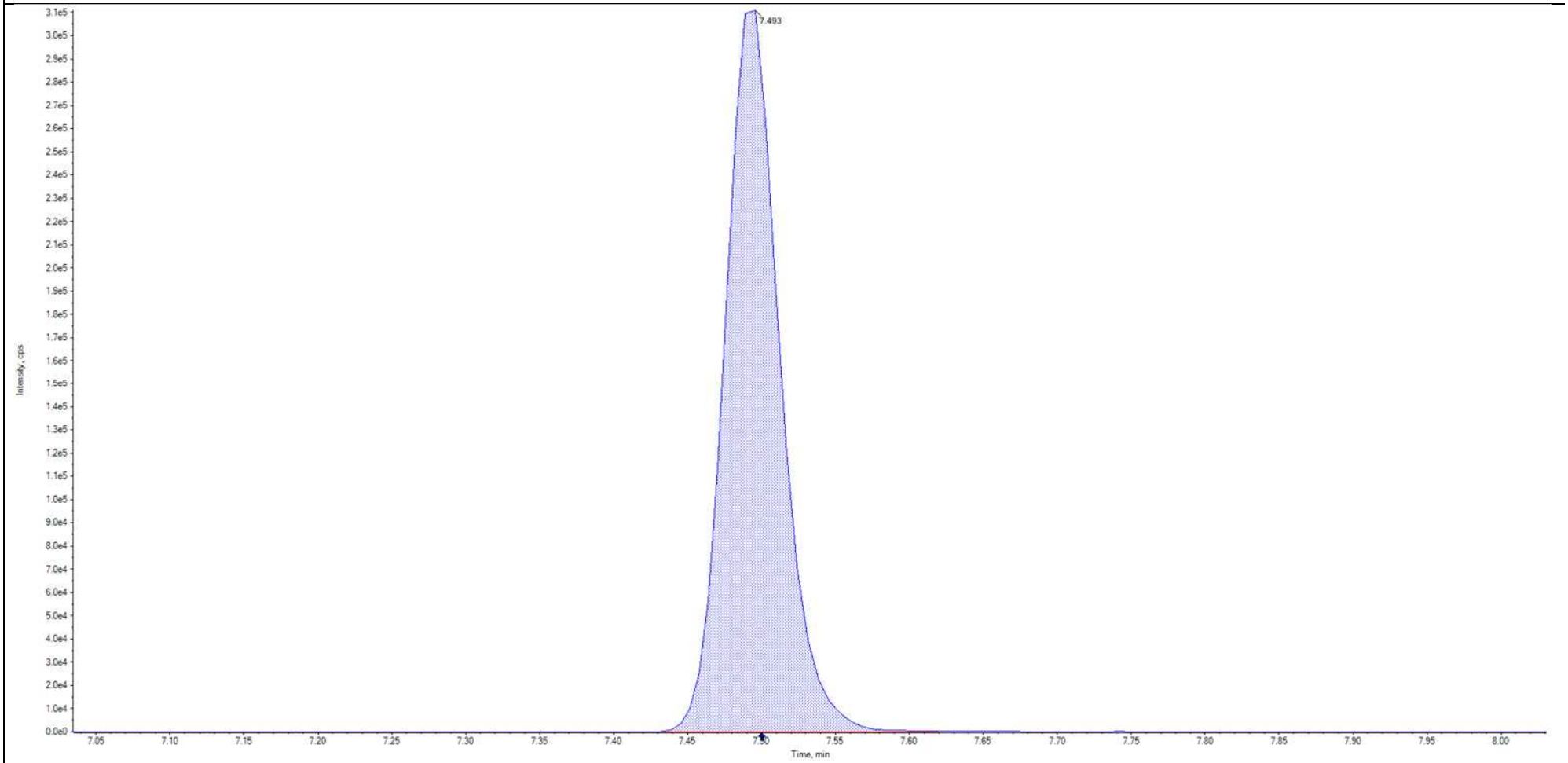
Generated: 8/14/2024 6:27:11 AM

13C2-PFHxA
Sample: IA1633STD-12.5



13C4-PFOA
Sample: IA1633STD-12.5



13C5-PFNA
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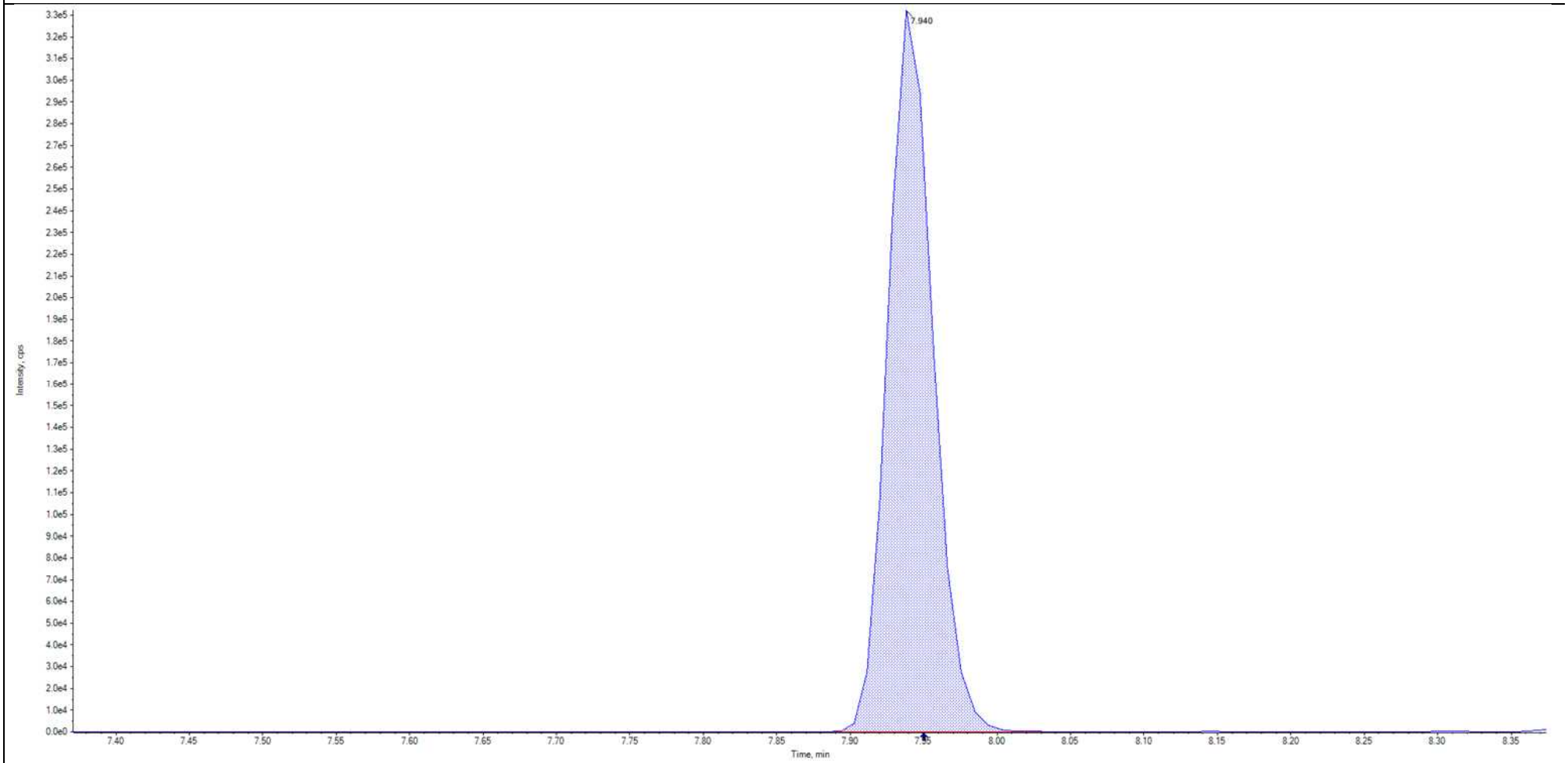
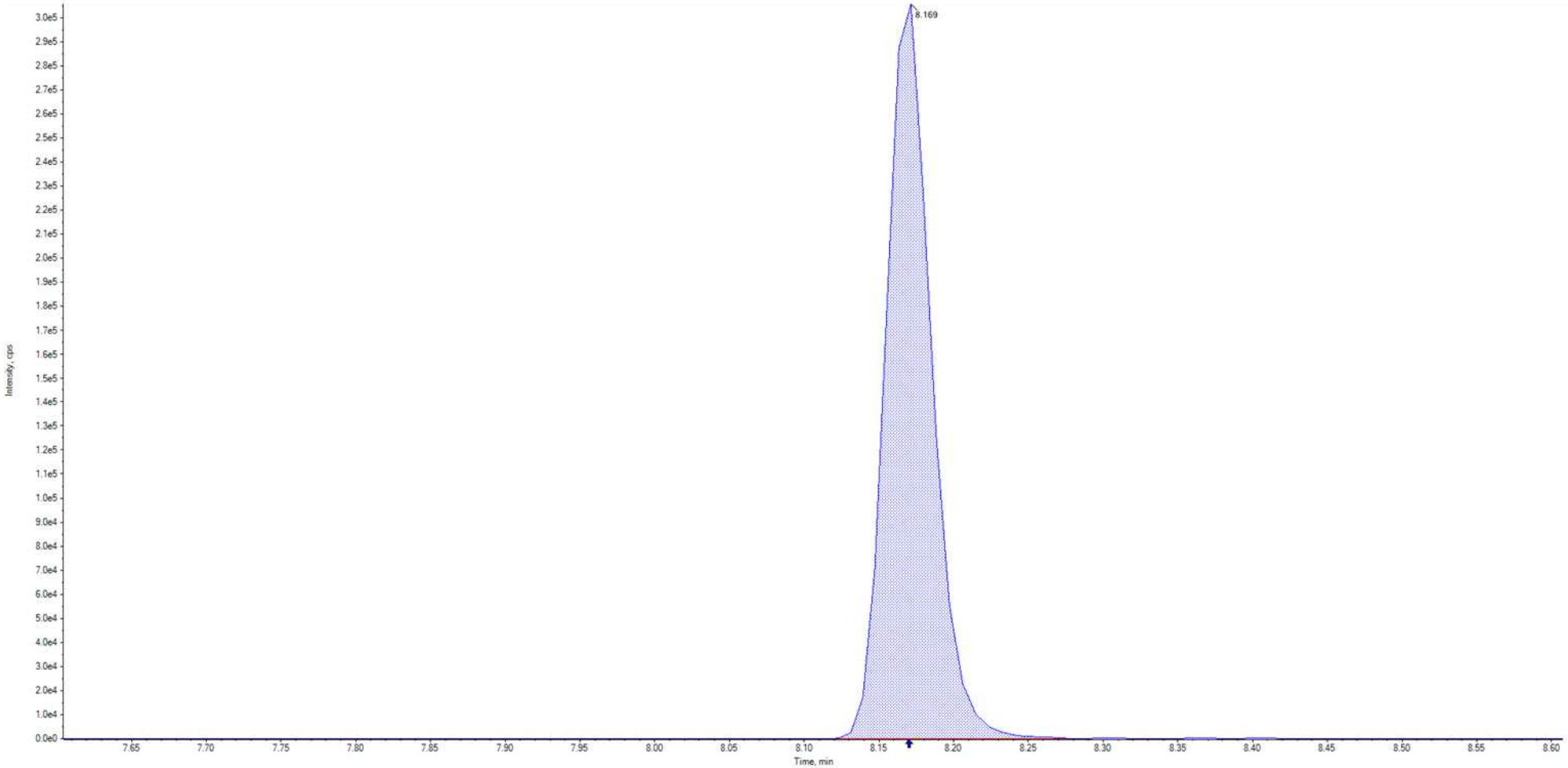
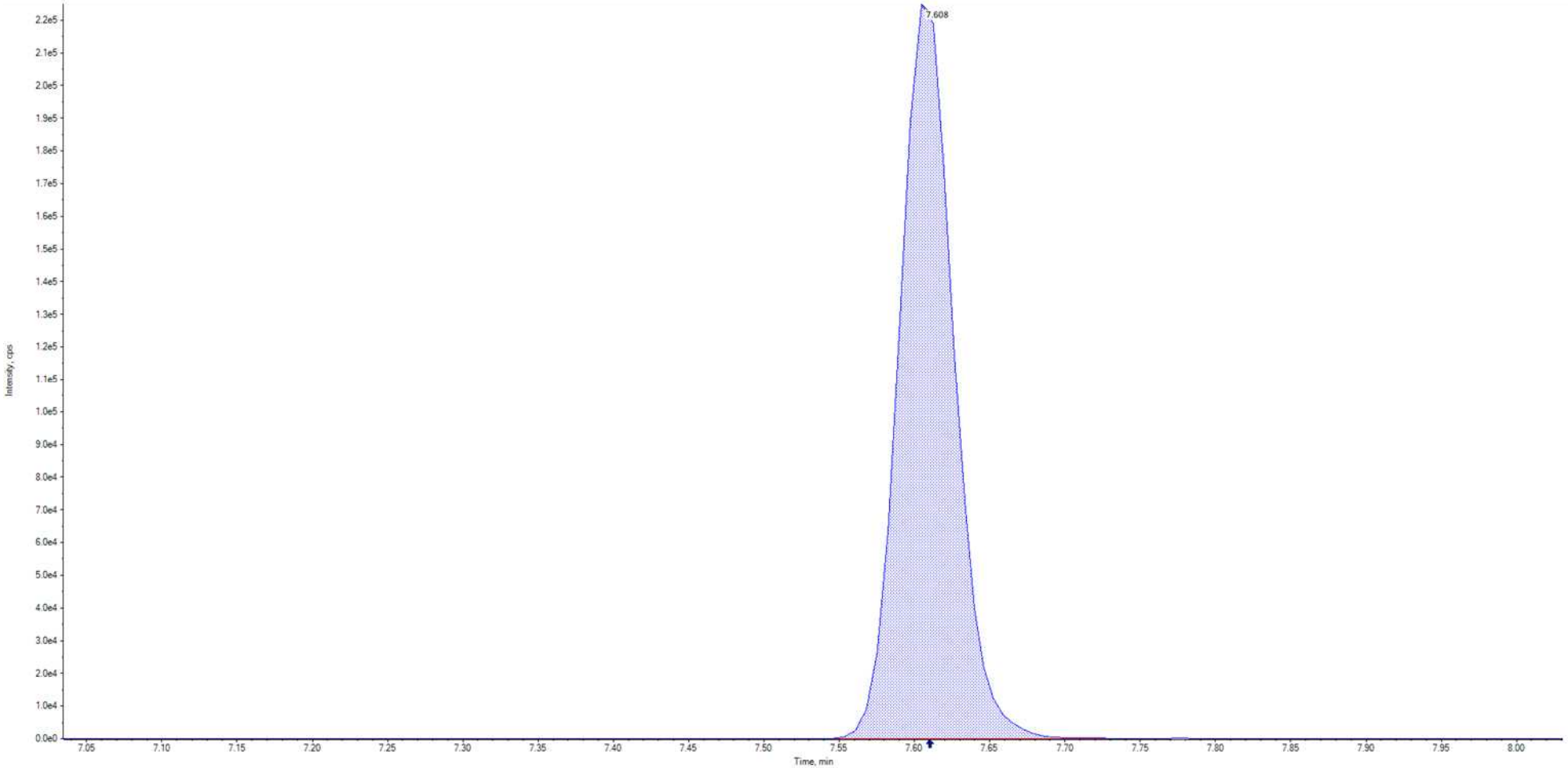


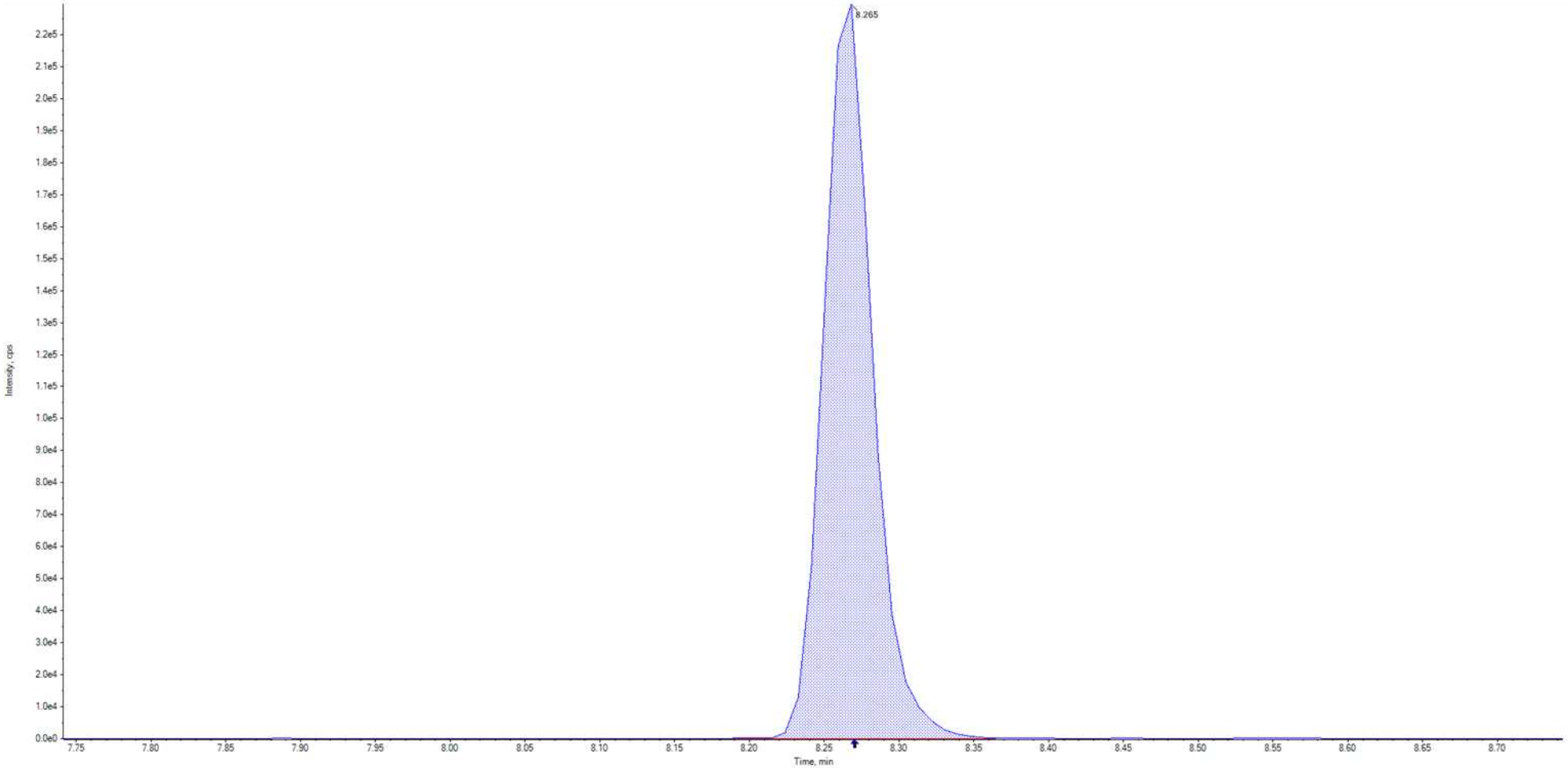
13C2-PFDA
Sample: IA1633STD-12.5



18O2-PFHxS
Sample: IA1633STD-12.5



13C4-PFOS
Sample: IA1633STD-12.5



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 6:27:11 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-25
Name: SCI05_240813_78.wiff
Date & Time: 2024-08-13T23:19:32
Description: WG1958909,,,250 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	19372954		111.060	N/A	N/A	N/A	111.1
2	PFPeA	2706-90-3	4.65	263.0 / 219.0	13922796		56.054	0.007	0.007	N/A	112.1
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	95101		54.226	0.007	0.007	N/A	108.5
4	PFHxA	307-24-4	5.34	313.0 / 269.0	11476754		24.720	0.080	0.072	Pass	98.9
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	920997		26.848	0.080	0.072	Pass	107.4
6	PFHpA	375-85-9	6.25	363.1 / 319.0	12077750		27.183	0.310	0.297	Pass	108.7
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	3749125		27.574	0.310	0.297	Pass	110.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.51	413.1 / 369.1	7765819	M5	28.013	0.555	0.586	Pass	112.1
9	PFOA_2	335-67-1	7.51	413.1 / 169.0	4310431	M7	28.378	0.555	0.586	Pass	113.5
10	PFNA	375-95-1	7.95	462.8 / 418.9	10245828	M5	28.158	0.314	0.313	Pass	112.6
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	3221284	M7	28.969	0.314	0.313	Pass	115.9
12	PFDA	335-76-2	8.18	513.1 / 469.1	10987417		26.513	0.154	0.142	Pass	106.1
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	1687869		27.175	0.154	0.142	Pass	108.7
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	8197525		27.918	0.191	0.194	Pass	111.7
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	1564098		27.498	0.191	0.194	Pass	110.0
16	PFDoA	307-55-1	8.91	613.1 / 569.1	9400002		25.818	0.173	0.167	Pass	103.3
17	PFDoA_2	307-55-1	8.91	613.1 / 319.0	1629833		26.498	0.173	0.167	Pass	106.0
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	5780095		26.642	0.216	0.228	Pass	106.6
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	1251198		25.894	0.216	0.228	Pass	103.6
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	9555438		26.193	0.137	0.137	Pass	104.8
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	1313139		26.317	0.137	0.137	Pass	105.3
22	PFBS	375-73-5	5.32	299.1 / 80.1	7381223		22.741	0.404	0.396	Pass	102.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.31	299.1 / 99.1	2979085		23.021	0.404	0.396	Pass	103.8
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	6765018		26.541	0.296	0.299	Pass	112.8
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	2004078		26.068	0.296	0.299	Pass	110.8
26	PFHxS	355-46-4	7.62	399.1 / 80.1	5917905	M5	24.810	0.305	0.315	Pass	108.6
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	1802158	M7	24.327	0.305	0.315	Pass	106.5
28	PFHpS	375-92-8	8.02	449.1 / 80.1	6449656		26.938	0.284	0.287	Pass	113.1
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	1829404		26.070	0.284	0.287	Pass	109.4
30	PFOS	1763-23-1	8.28	499.1 / 80.1	6704354	M5	26.300	0.244	0.238	Pass	113.4
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	1635669		26.190	0.244	0.238	Pass	112.9
32	PFNS	68259-12-1	8.63	549.1 / 80.1	4586269		28.023	0.295	0.301	Pass	116.5
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	1351858		27.273	0.295	0.301	Pass	113.4
34	PFDS	335-77-3	9.14	599.1 / 80.1	4389768		27.229	0.281	0.275	Pass	112.9
35	PFDS_2	335-77-3	9.14	599.1 / 99.1	1235590		27.802	0.281	0.275	Pass	115.2
36	PFDoS	79780-39-5	10.01	699.2 / 80.1	4012335		27.173	0.283	0.274	Pass	112.1
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	1137085		28.026	0.283	0.274	Pass	115.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	10310809		91.077	0.528	0.516	Pass	97.2
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	5445016		89.906	0.528	0.516	Pass	95.9
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	7191794		103.975	0.553	0.565	Pass	109.5
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	3974248		106.229	0.553	0.565	Pass	111.8
42	8:2FTS	39108-34-4	8.08	527.2 / 507.2	7209364		100.441	0.697	0.662	Pass	104.6
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	5023863		103.190	0.697	0.662	Pass	107.5
44	PFOSA	754-91-6	9.55	498.1 / 78.1	6437202	M5	29.360	0.024	0.025	Pass	117.4
45	PFOSA_2	754-91-6	9.54	498.1 / 478.0	157051	M7	27.301	0.024	0.025	Pass	109.2
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	1828142	M5	28.713	1.429	1.551	Pass	114.9
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	2612893	M7	26.484	1.429	1.551	Pass	105.9
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	1739926	M5	27.889	1.321	1.285	Pass	111.6
49	NEtFOSA_2	4151-50-2	10.34	526.2 / 169.0	2298977	M7	27.527	1.321	1.285	Pass	110.1
50	NMeFOSAA	2355-31-9	8.23	570.2 / 419.1	2587090		28.924	0.606	0.700	Pass	115.7
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	1567378	M7	27.555	0.606	0.700	Pass	110.2
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	1868827		27.856	0.474	0.487	Pass	111.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	886656	M7	28.720	0.474	0.487	Pass	114.9
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	34160374	M5	287.198	N/A	N/A	N/A	114.9
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	53947112	M5	272.126	N/A	N/A	N/A	108.9
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	24712719		107.523	0.461	0.464	Pass	107.5
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	11396560		106.634	0.461	0.464	Pass	106.6
58	ADONA	919005-14-4	6.72	377.1 / 251.0	53256061		101.887	0.643	0.634	Pass	107.8
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	34258574		101.294	0.643	0.634	Pass	107.2
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	48493859		94.092	0.325	0.322	Pass	100.6
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	15749323		93.838	0.325	0.322	Pass	100.4
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	32877183		100.991	0.337	0.331	Pass	106.9
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	11074336		101.076	0.337	0.331	Pass	107.0
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	3325237		154.341	0.998	1.074	Pass	123.5
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	3319401		153.836	0.998	1.074	Pass	123.1
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	57800169		686.272	0.929	0.953	Pass	109.8
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	53715436		674.014	0.929	0.953	Pass	107.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	55121038		587.882	1.251	1.558	Pass	94.1
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	68940300		506.685	1.251	1.558	Pass	81.1
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	39950589		49.598	0.085	0.087	Pass	111.5
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	3412004		49.032	0.085	0.087	Pass	110.2
72	PFMPA	377-73-1	3.85	229.0 / 85.0	1717029		57.112	N/A	N/A	N/A	114.2
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	22136596		54.610	N/A	N/A	N/A	109.2
74	NFDHA	151772-58-6	5.25	295.0 / 201.0	4623243		54.520	0.838	0.910	Pass	109.0
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	3874085		49.835	0.838	0.910	Pass	99.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	889831		4.863	N/A	N/A	N/A	97.3
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3163005		2.239	N/A	N/A	N/A	89.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2151011		9.186	NA	NA	NA	91.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1346975		4.222	NA	NA	NA	84.4
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	952598		2.273	NA	NA	NA	90.9
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	948501		2.260	NA	NA	NA	90.4
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1332083		2.088	NA	NA	NA	83.5
	13C9-PFNA	EIS	7.95	472.0 / 427.0	621370		1.138	NA	NA	NA	91.0
	13C6-PFDA	EIS	8.17	519.0 / 474.0	601115		1.154	NA	NA	NA	92.3
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	464490		1.102	NA	NA	NA	88.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	349980		1.277	NA	NA	NA	102.1
	13C2-PFTeDA	EIS	9.91	715.1 / 670.1	363930		1.223	NA	NA	NA	97.8
	13C3-PFBS	EIS	5.31	302.1 / 80.1	773617		2.269	NA	NA	NA	97.4
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	597576		2.207	NA	NA	NA	93.1
	13C8-PFOS	EIS	8.27	507.1 / 80.1	620603		2.103	NA	NA	NA	87.8
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	270927		4.453	NA	NA	NA	94.9
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	200487		4.497	NA	NA	NA	94.6
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	271829		4.166	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	9.54	506.1 / 78.1	820090		2.090	NA	NA	NA	83.6
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	148650		2.250	NA	NA	NA	90.0
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	142021		2.201	NA	NA	NA	88.0
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	679663		4.551	NA	NA	NA	91.0
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	359809		4.585	NA	NA	NA	91.7
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1205364		23.629	NA	NA	NA	94.5
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1688762		22.454	NA	NA	NA	89.8

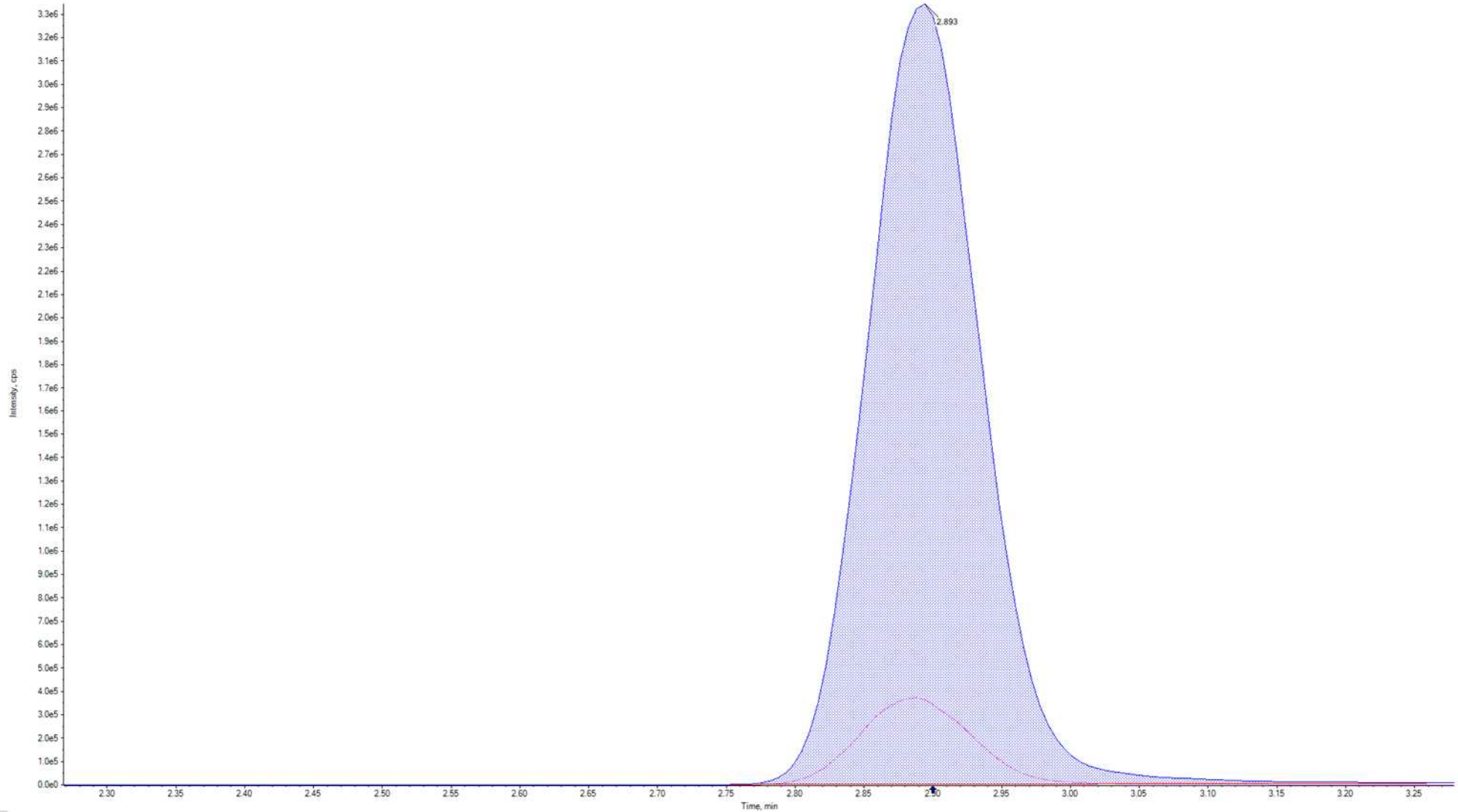
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2507192		9.027	NA	NA	NA	90.3
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1024381		4.791	NA	NA	NA	95.8
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1244407		2.542	NA	NA	NA	101.7
	13C4-PFOA	NIS	7.50	417.0 / 372.0	834429		2.665	NA	NA	NA	106.6
	13C5-PFNA	NIS	7.94	468.0 / 423.0	665421		1.215	NA	NA	NA	97.2
	13C2-PFDA	NIS	8.17	515.1 / 470.1	611859		1.194	NA	NA	NA	95.5
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	550345		2.349	NA	NA	NA	99.1
	13C4-PFOS	NIS	8.27	503.1 / 80.1	522110		2.480	NA	NA	NA	103.5

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

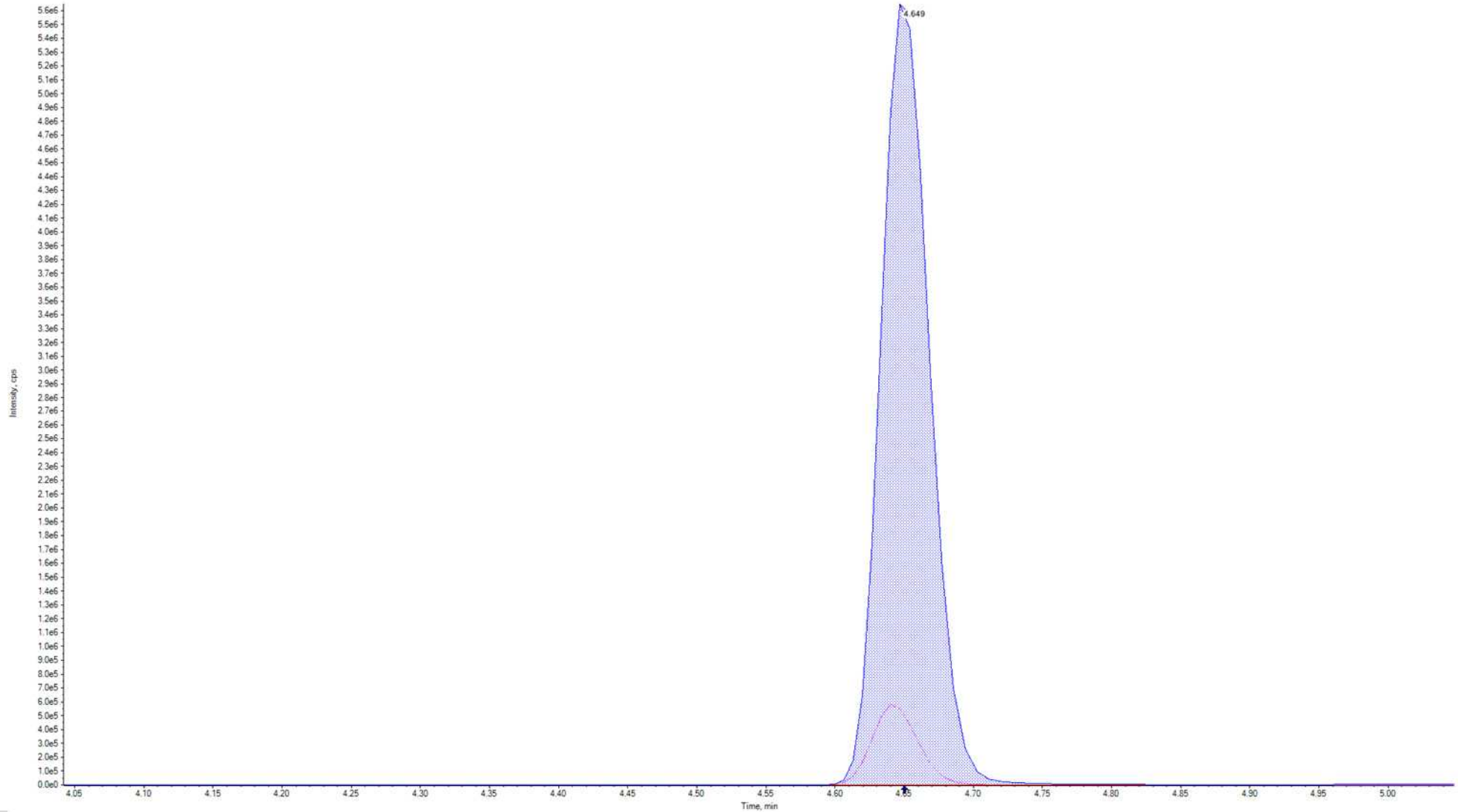
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBA
Sample: IA1633STD-25 S/N:6259.0 Points Across peak:82



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-25 S/N:8592.8 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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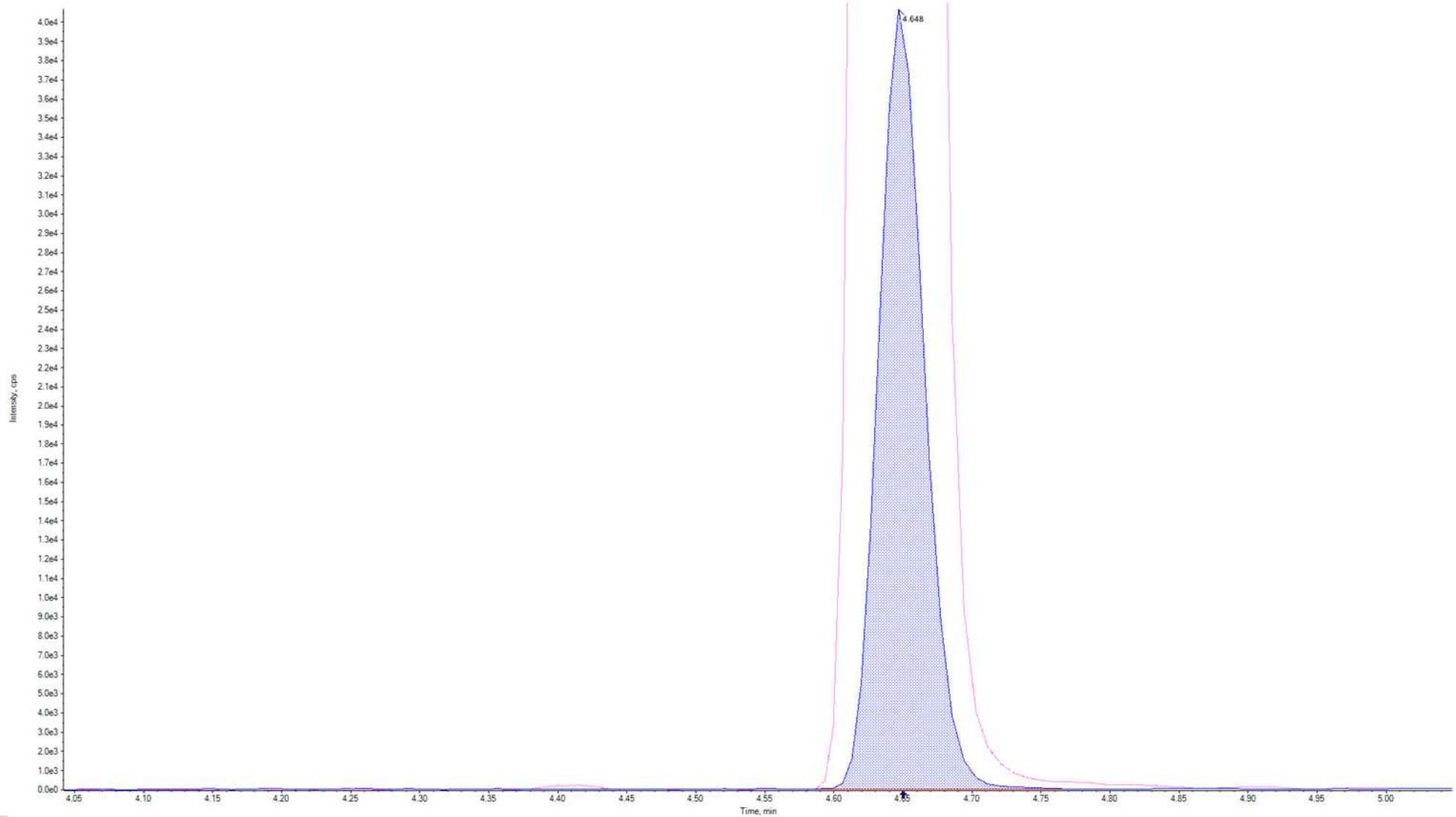
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-25 S/N:2353.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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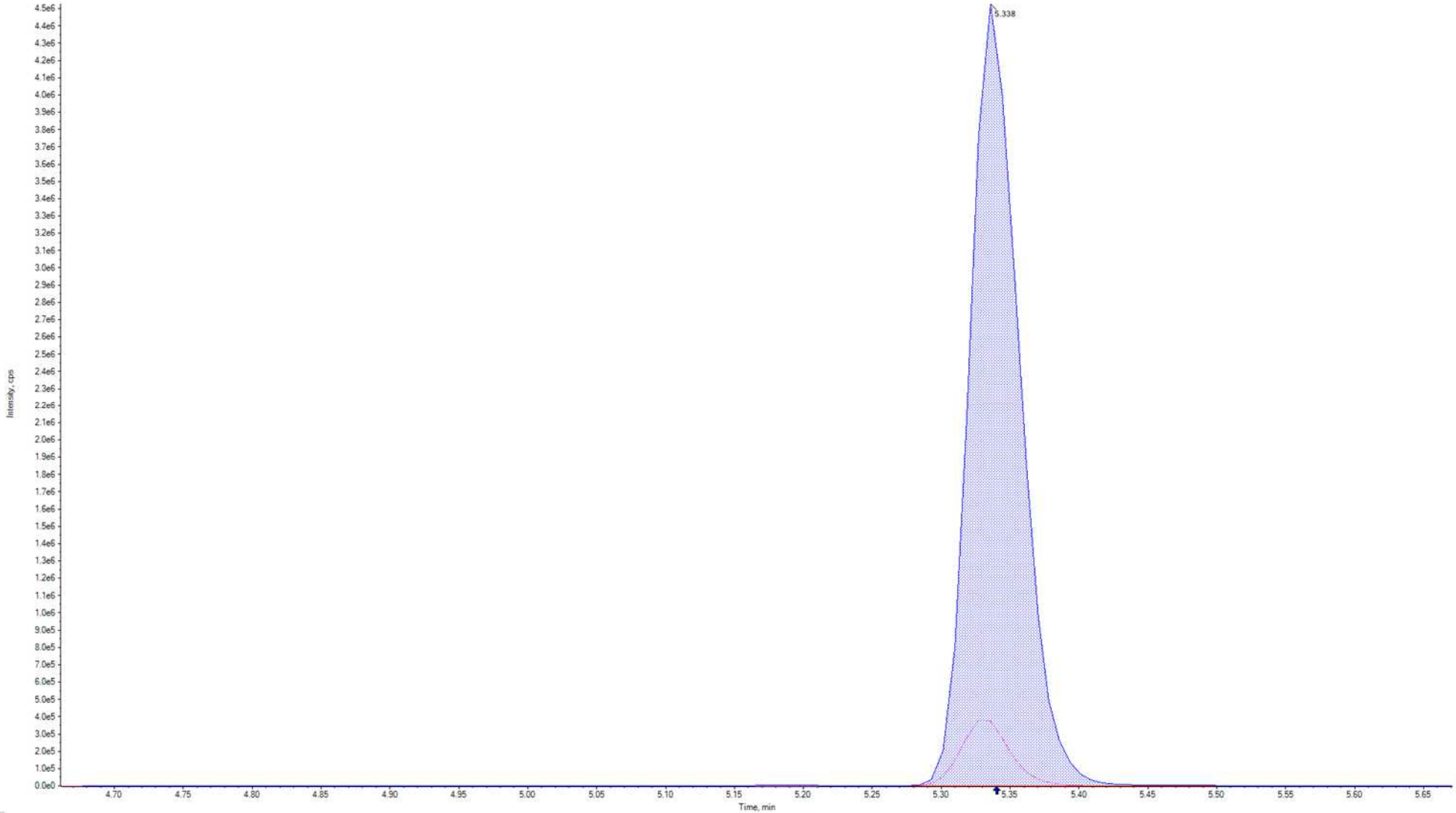
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-25 S/N:4198.8 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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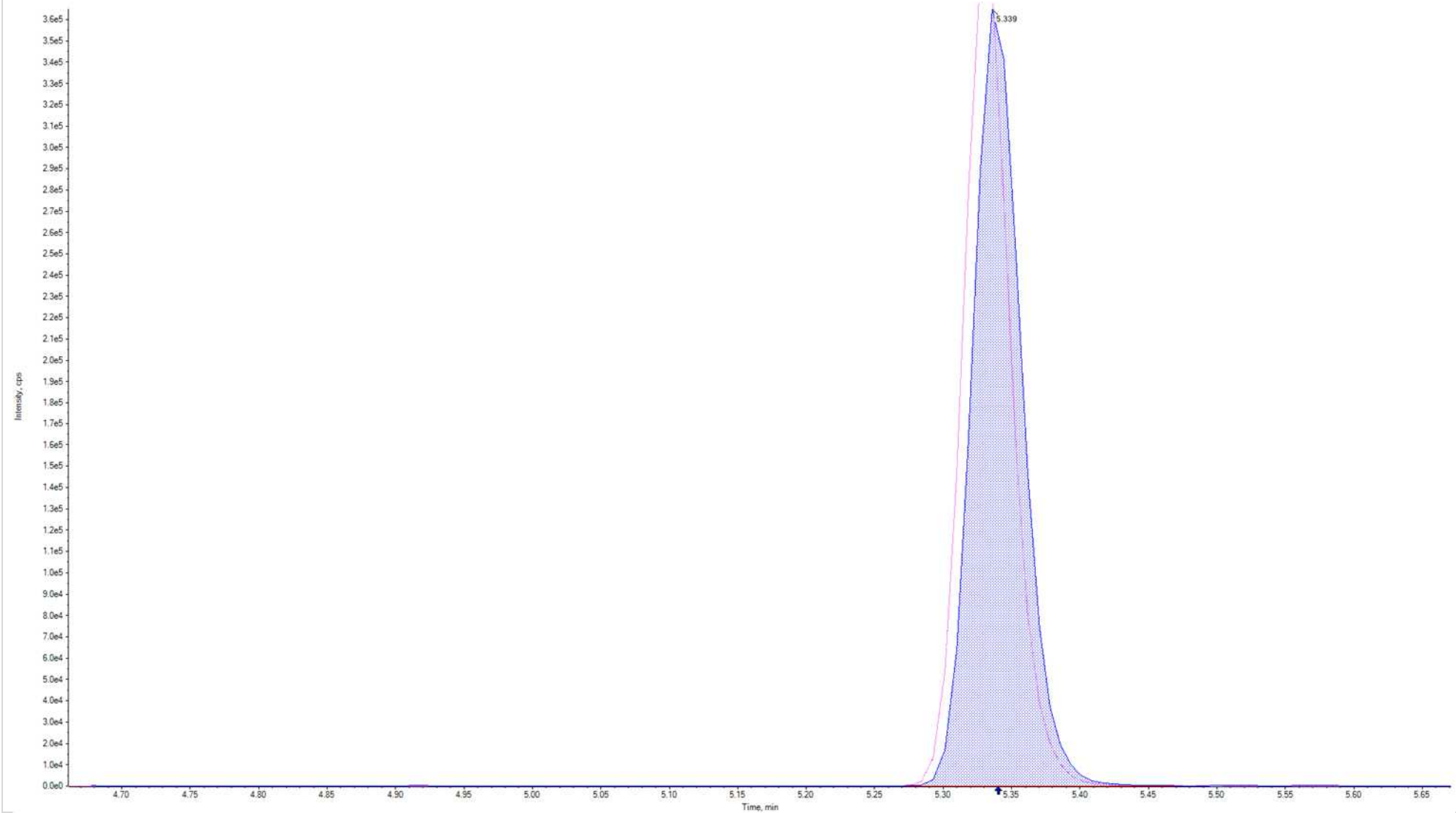
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA_2
Sample: IA1633STD-25 S/N:10463.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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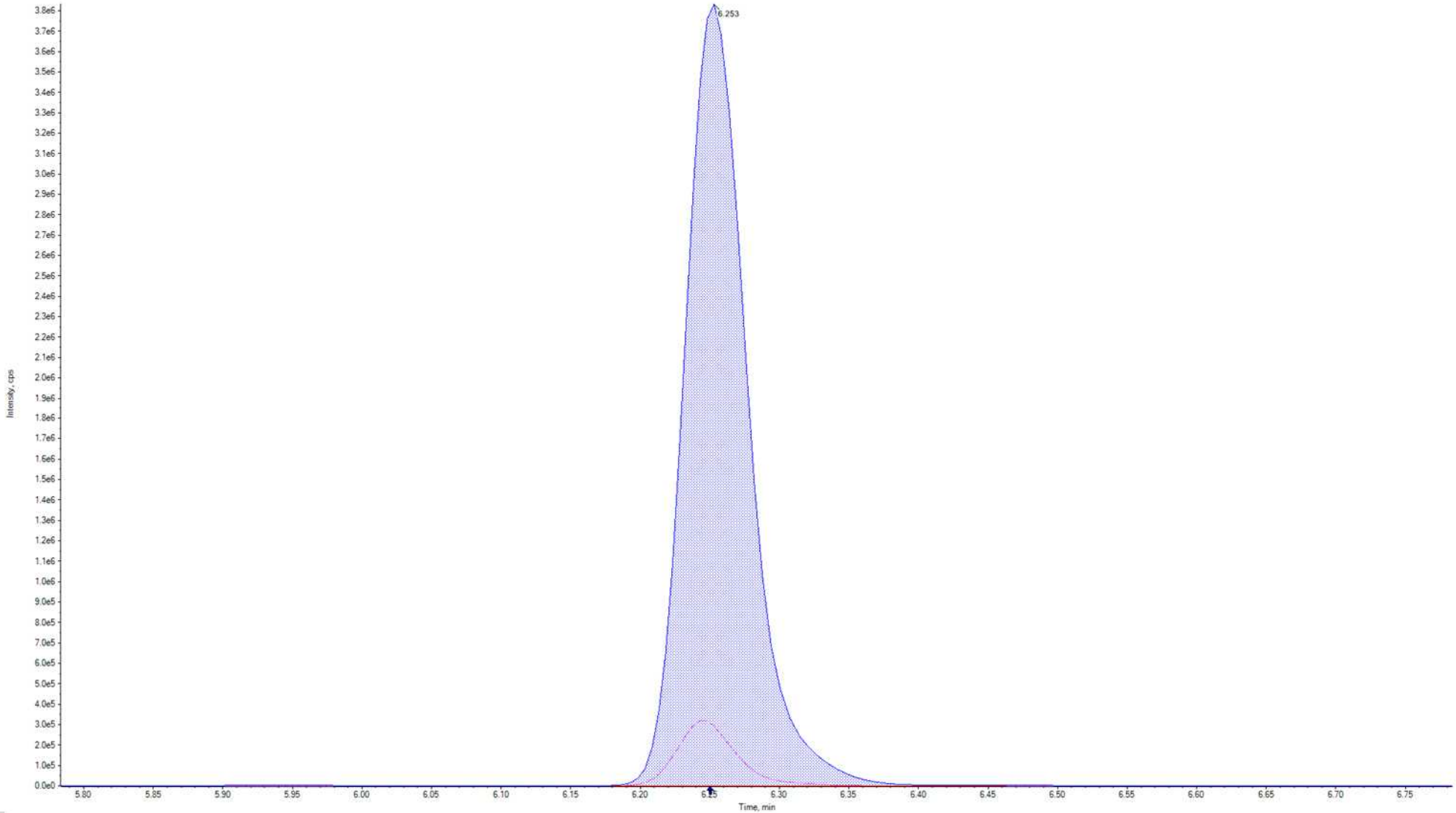
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA
Sample: IA1633STD-25 S/N:6435.5 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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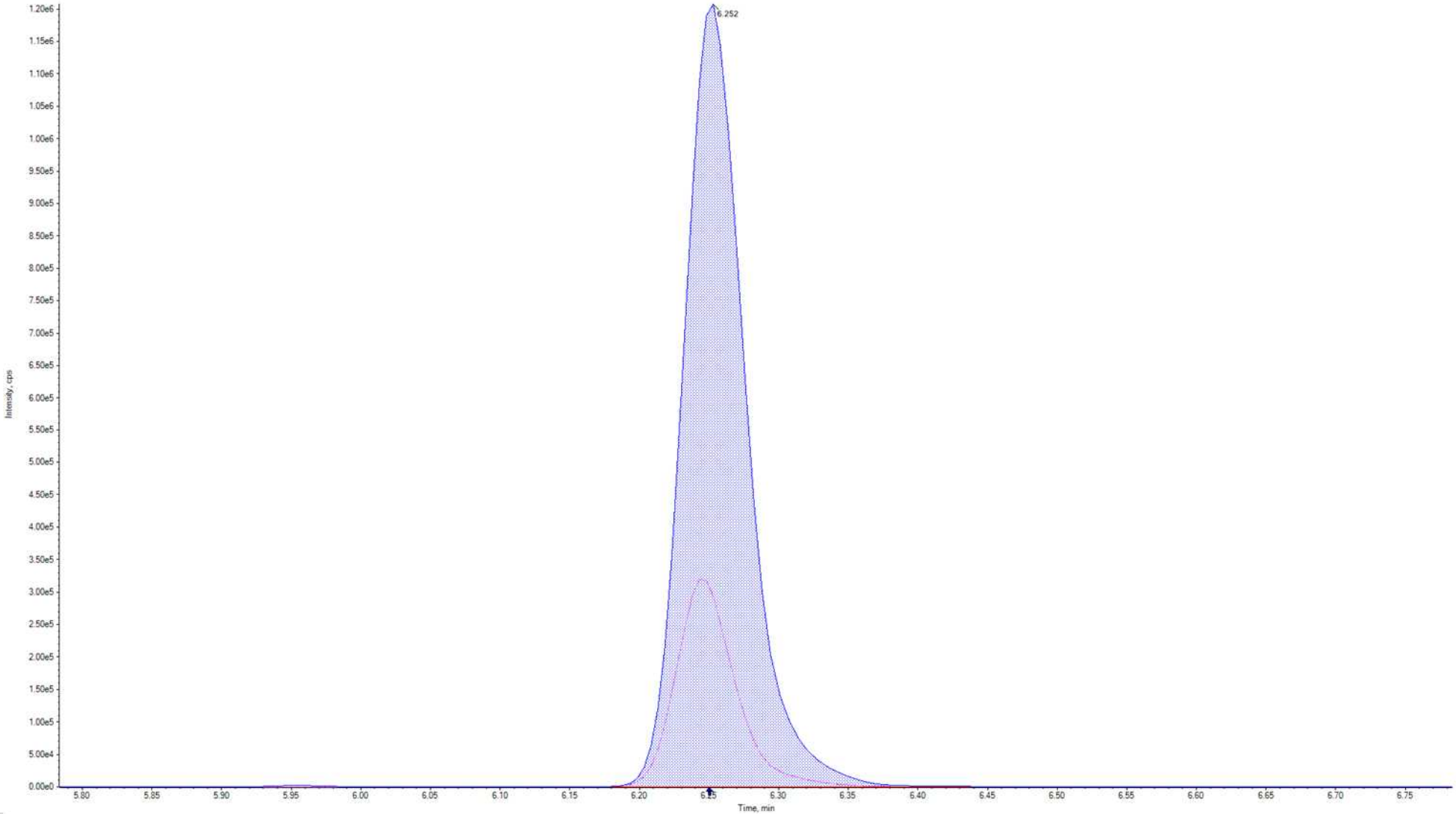
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpA_2
Sample: IA1633STD-25 S/N:16030.8 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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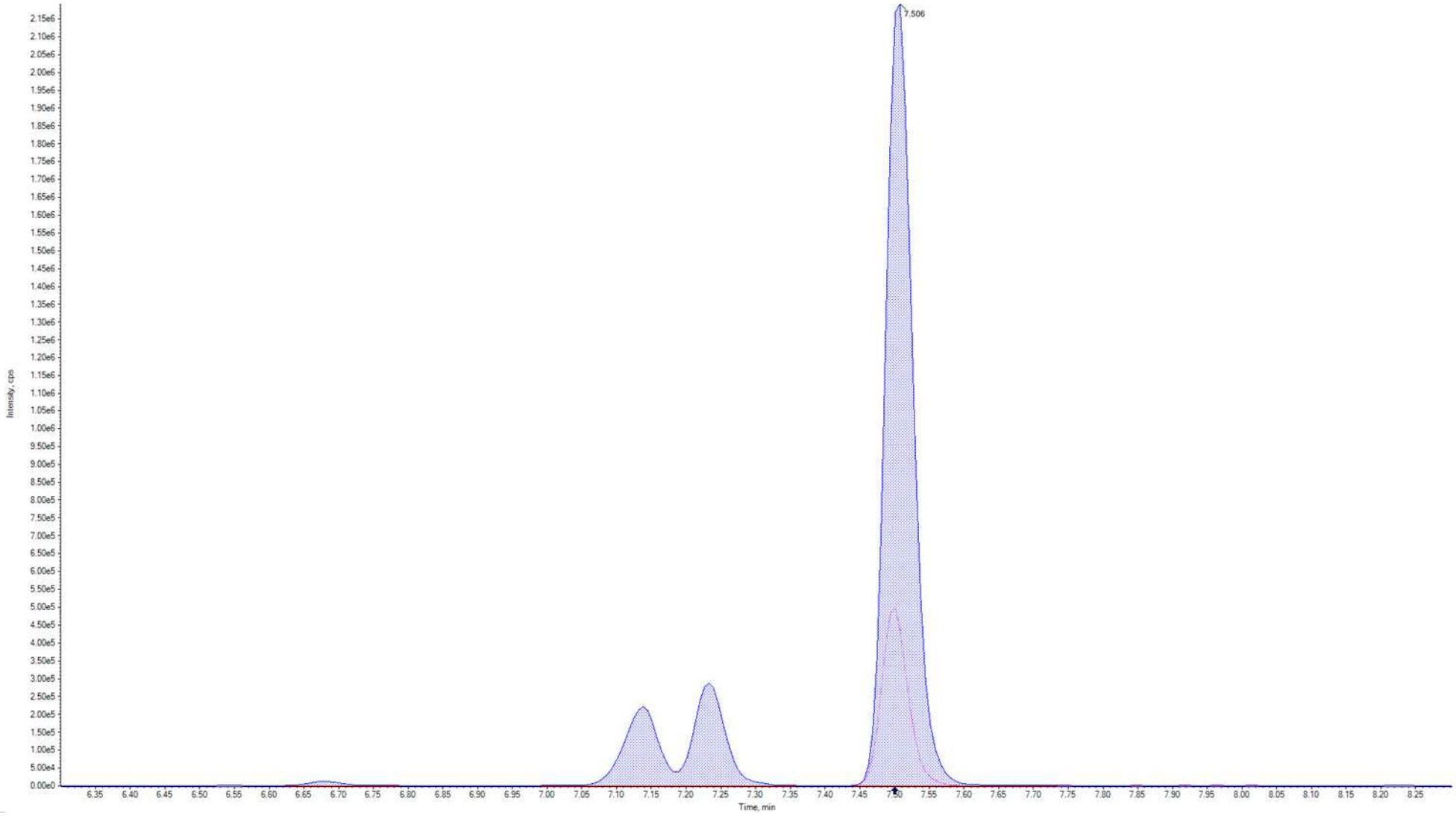
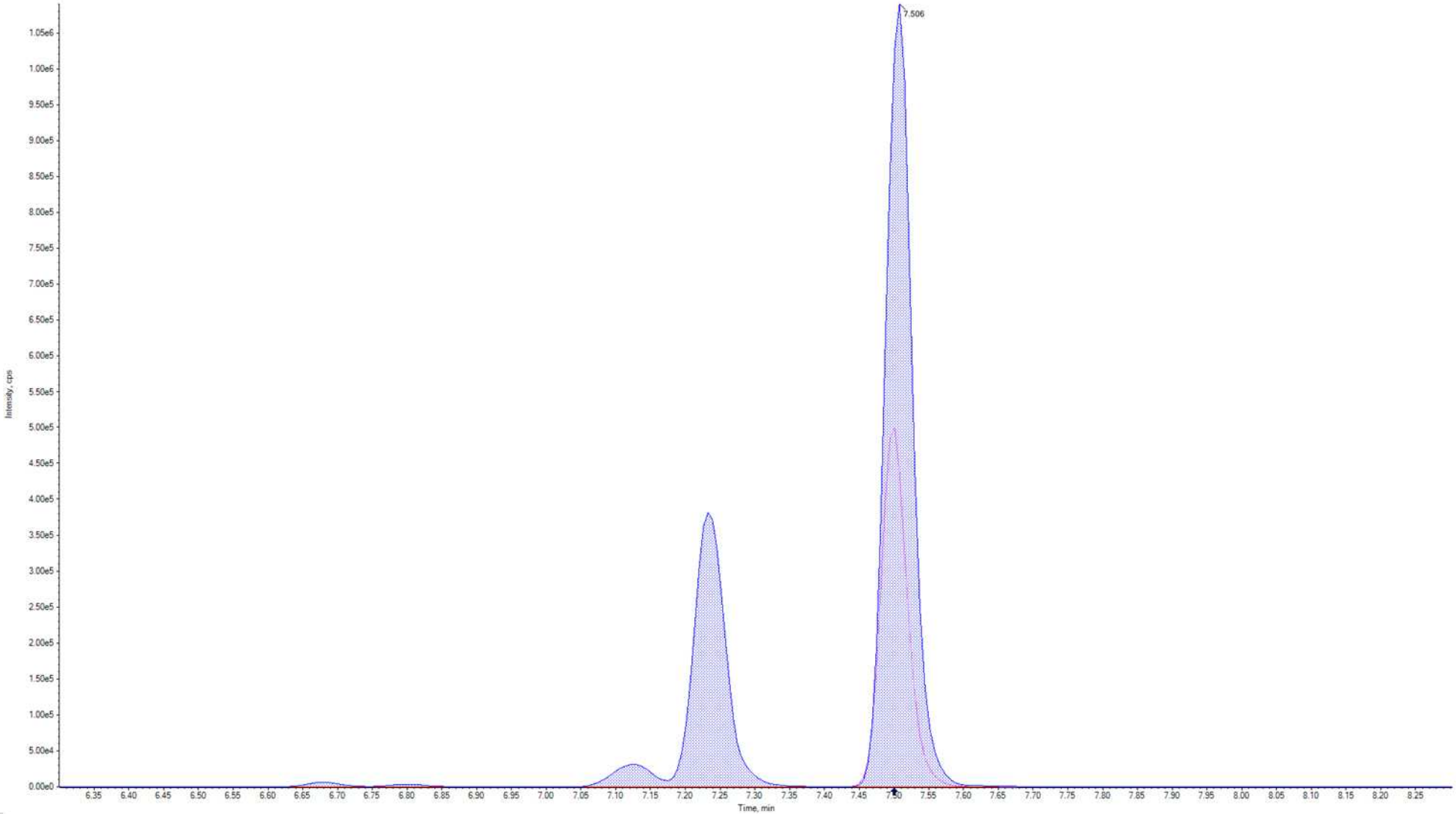
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-25 S/N:4786.8 Points Across peak:172



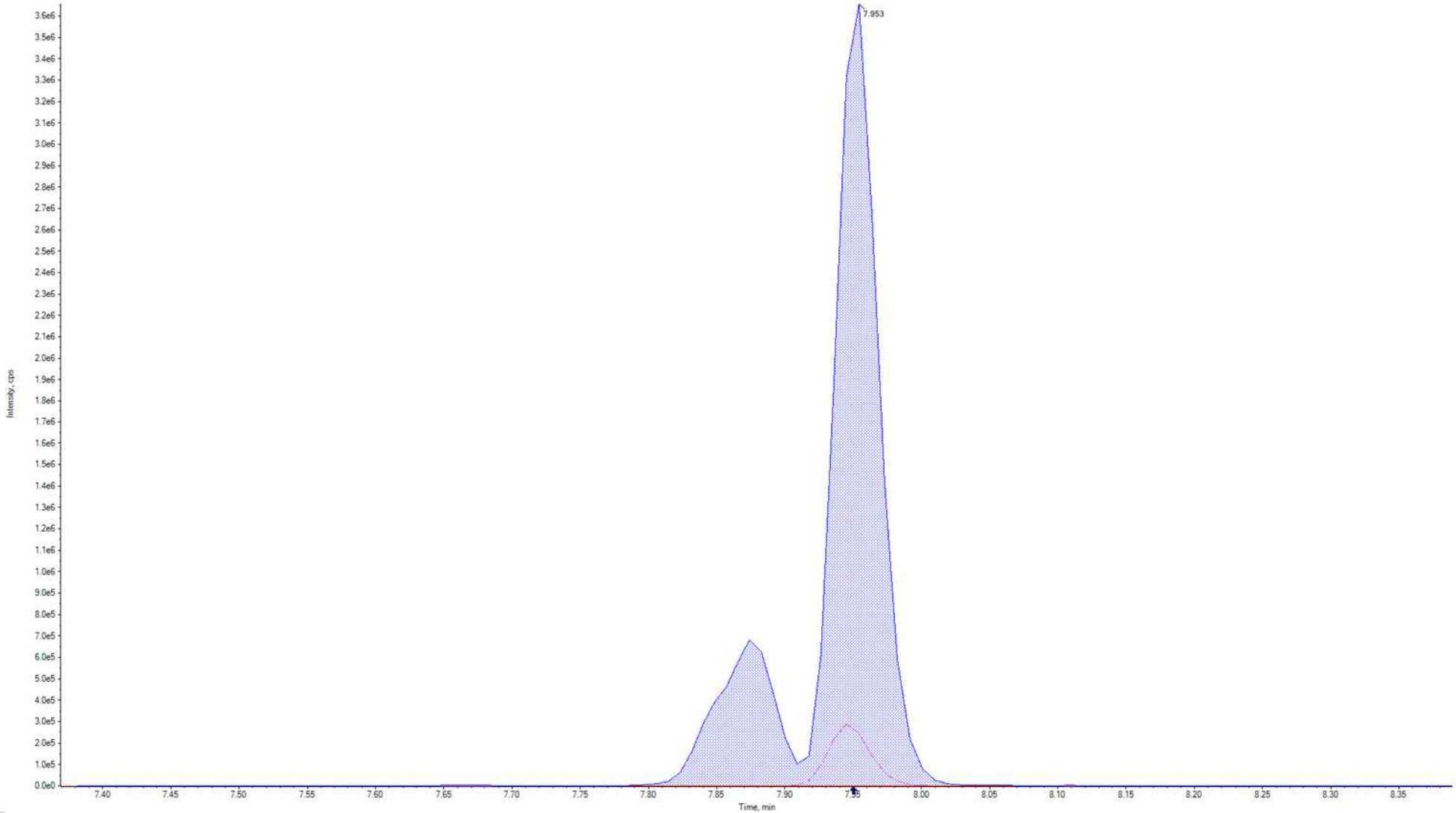
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-25 S/N:5638109.1 Points Across peak:160



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-25 S/N:5226.4 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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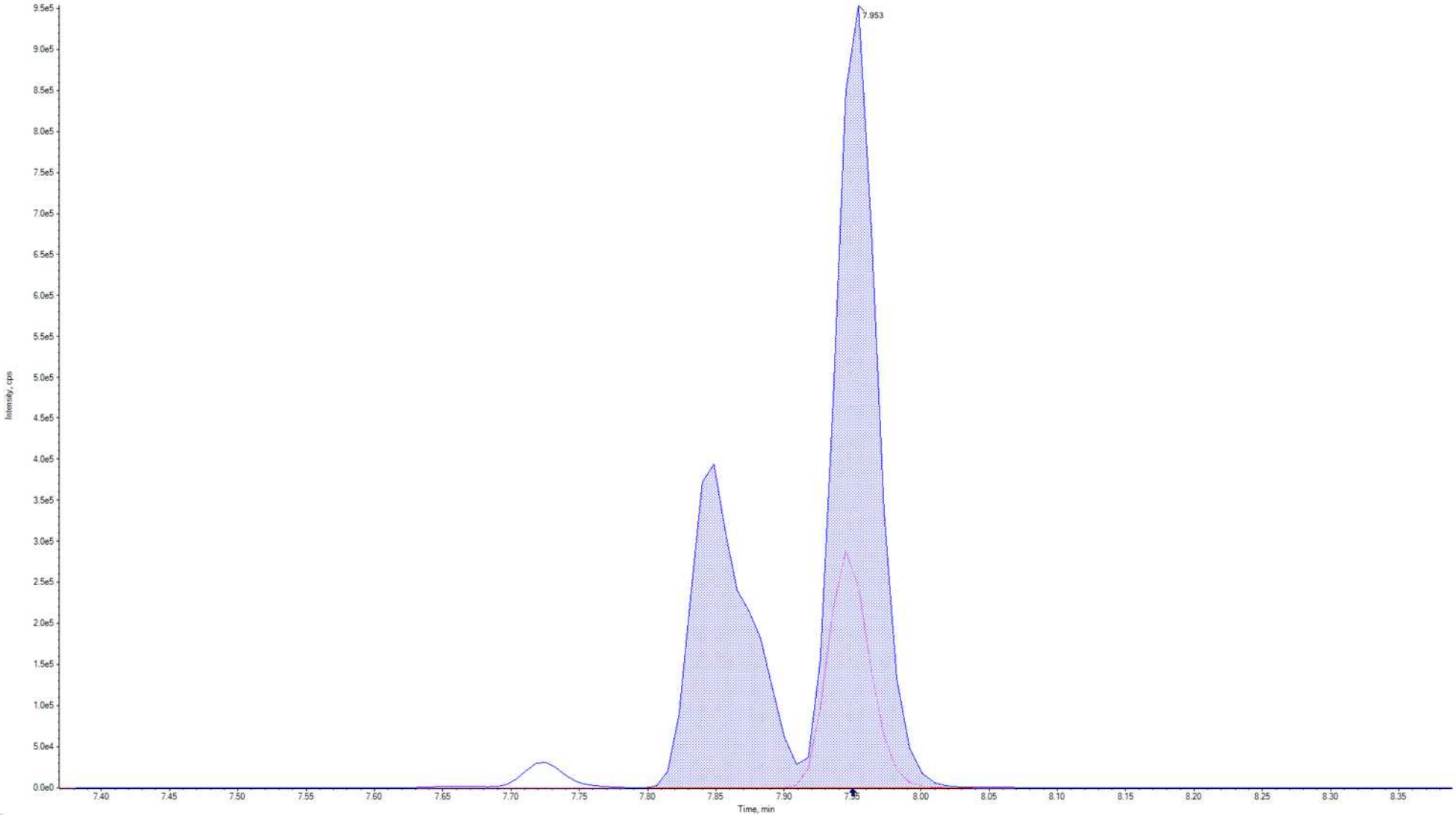
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-25 S/N:1857.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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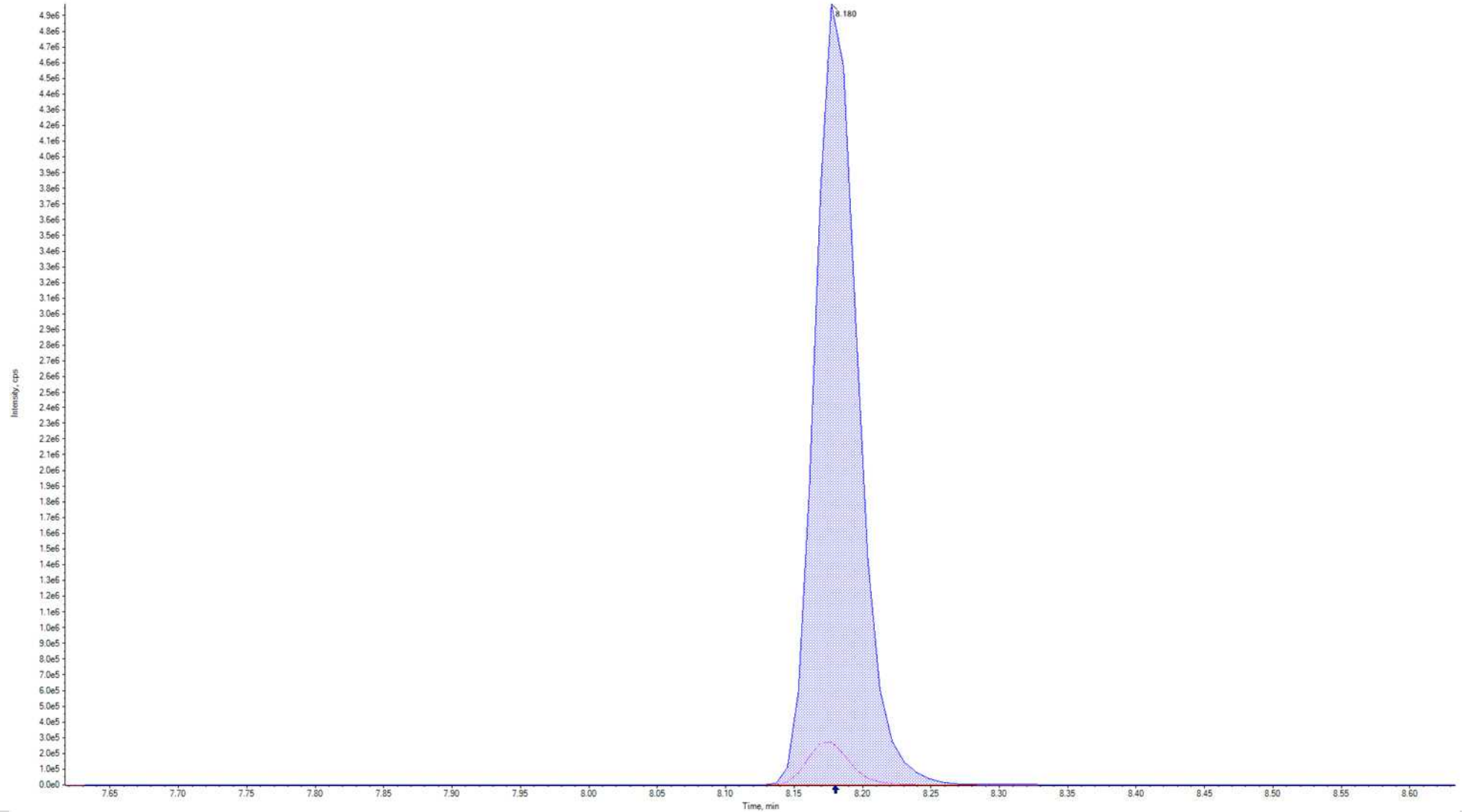
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-25 S/N:7896.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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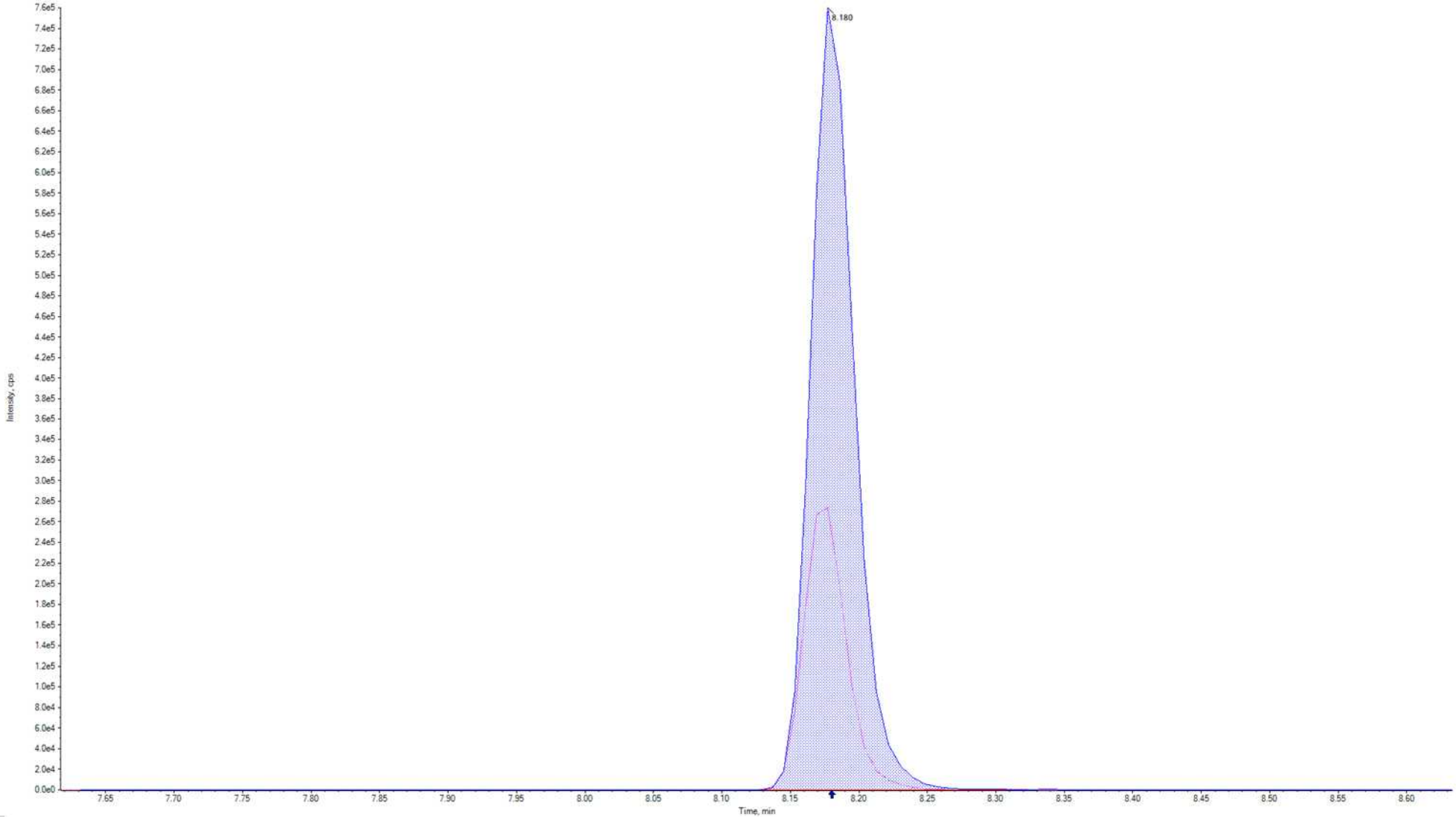
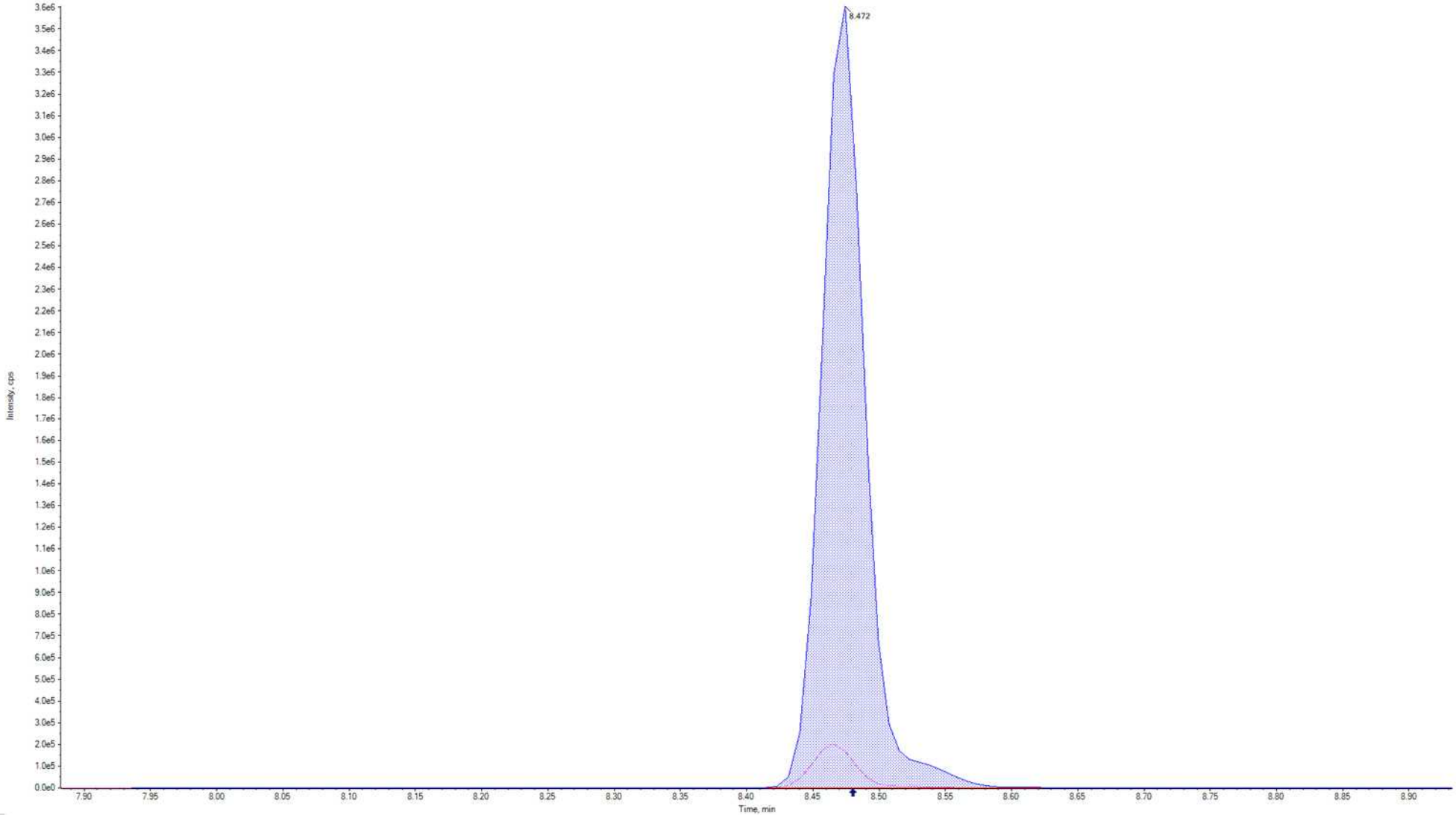
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-25 S/N:1080483.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-25 S/N:6315.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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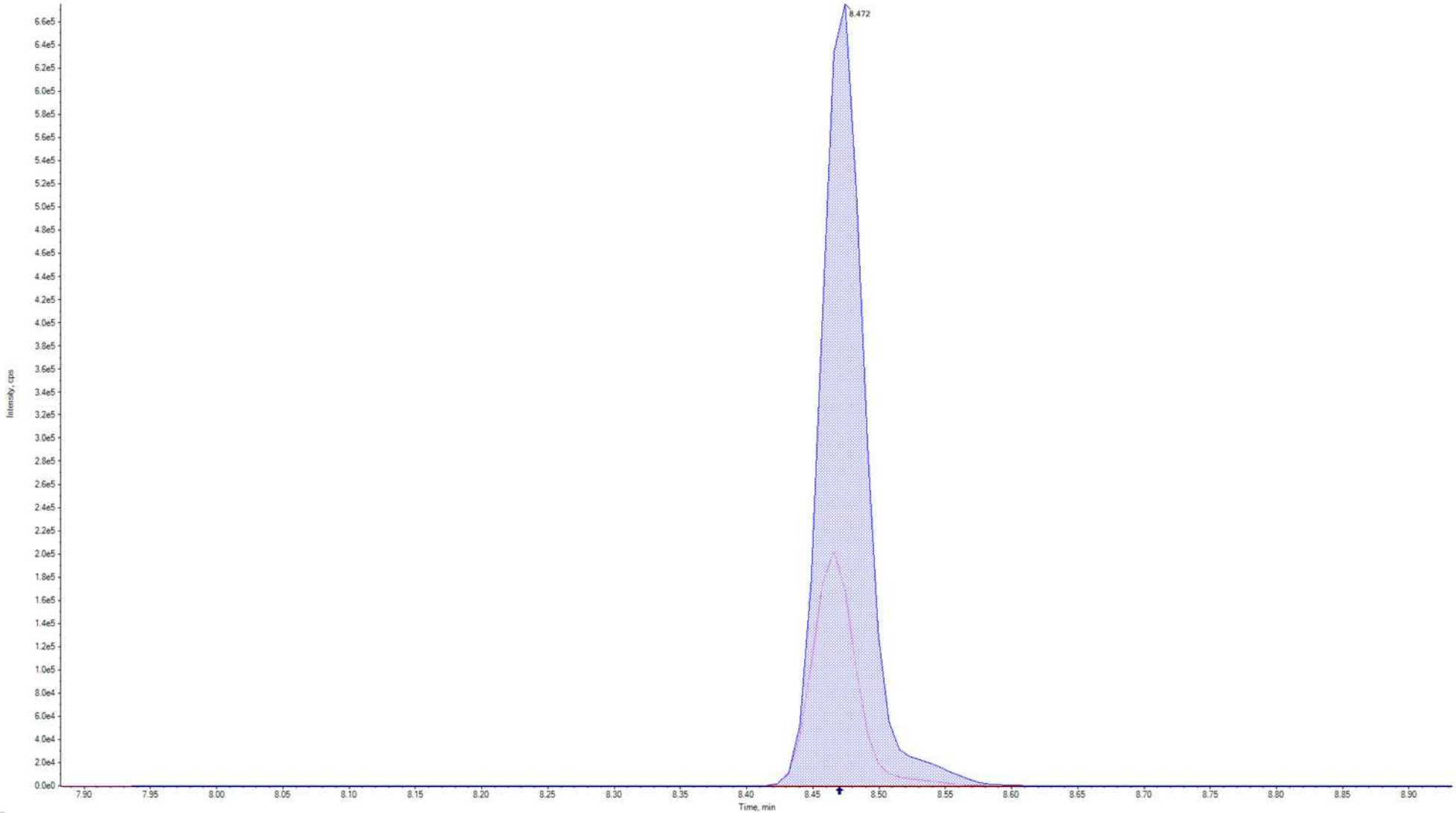
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFUnA_2
Sample: IA1633STD-25 S/N:60228.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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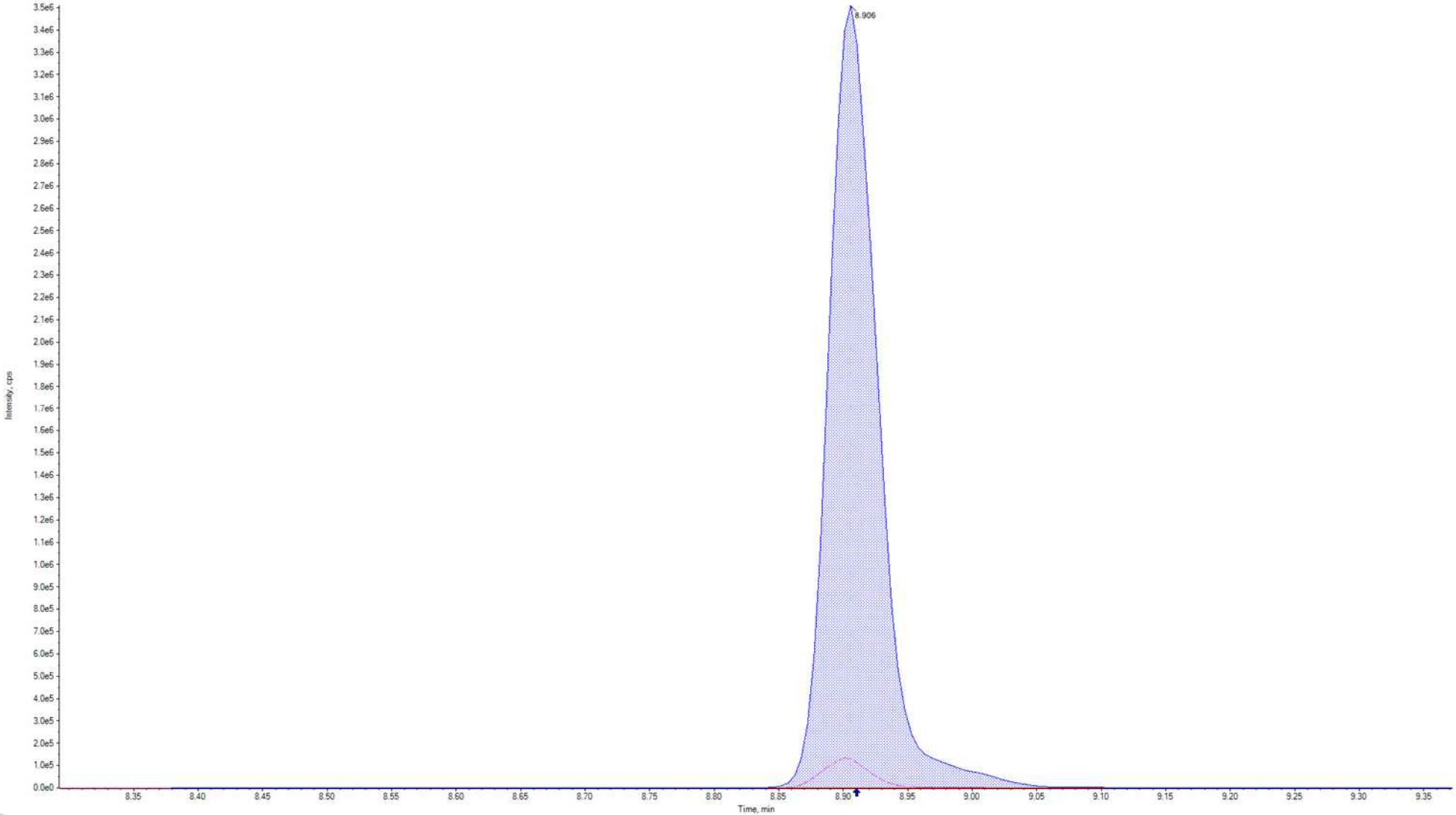
Generated: 8/14/2024 6:27:11 AM

PFDoA
Sample: IA1633STD-25 S/N:11450.8 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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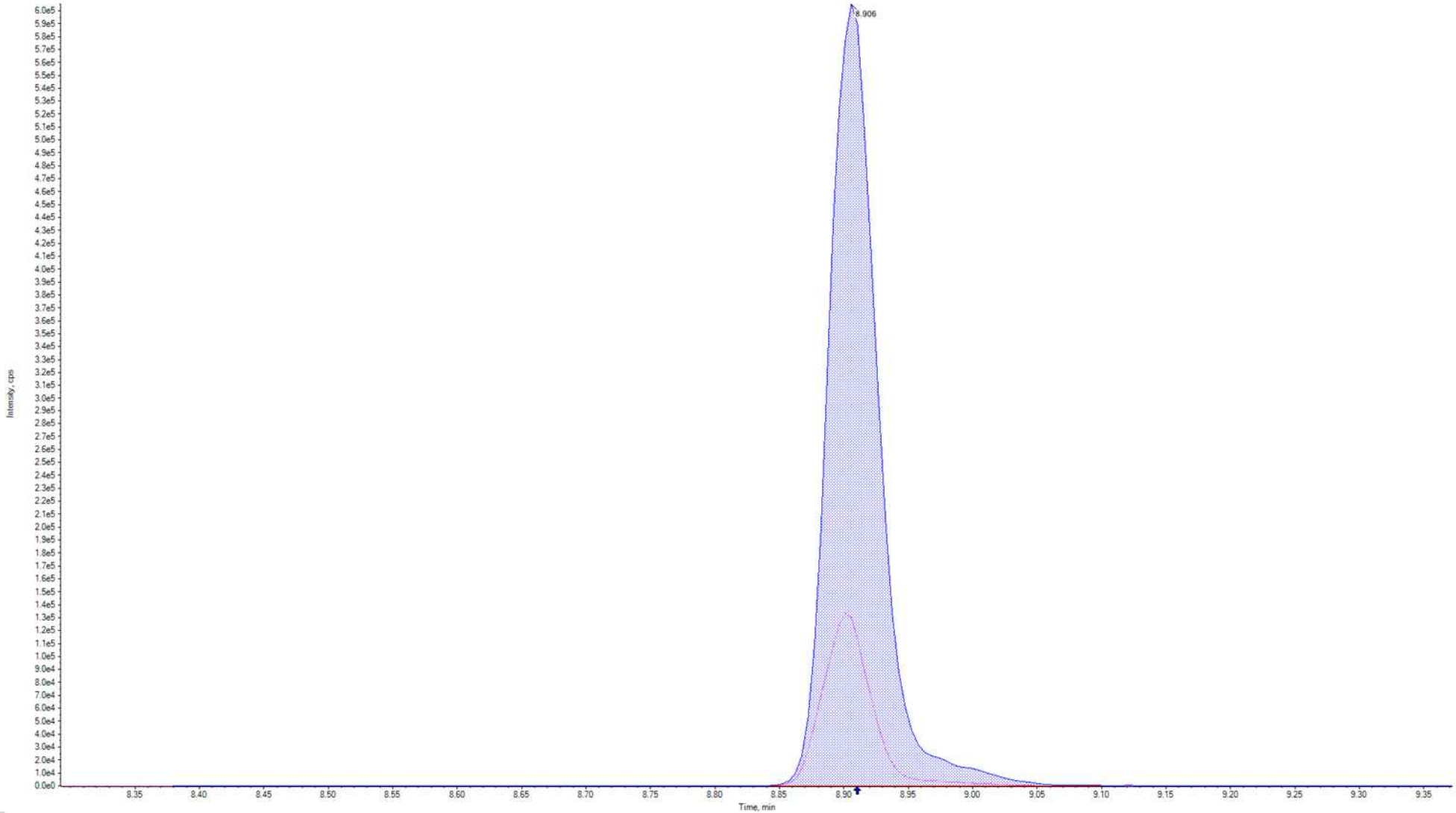
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoA_2
Sample: IA1633STD-25 S/N:117867.6 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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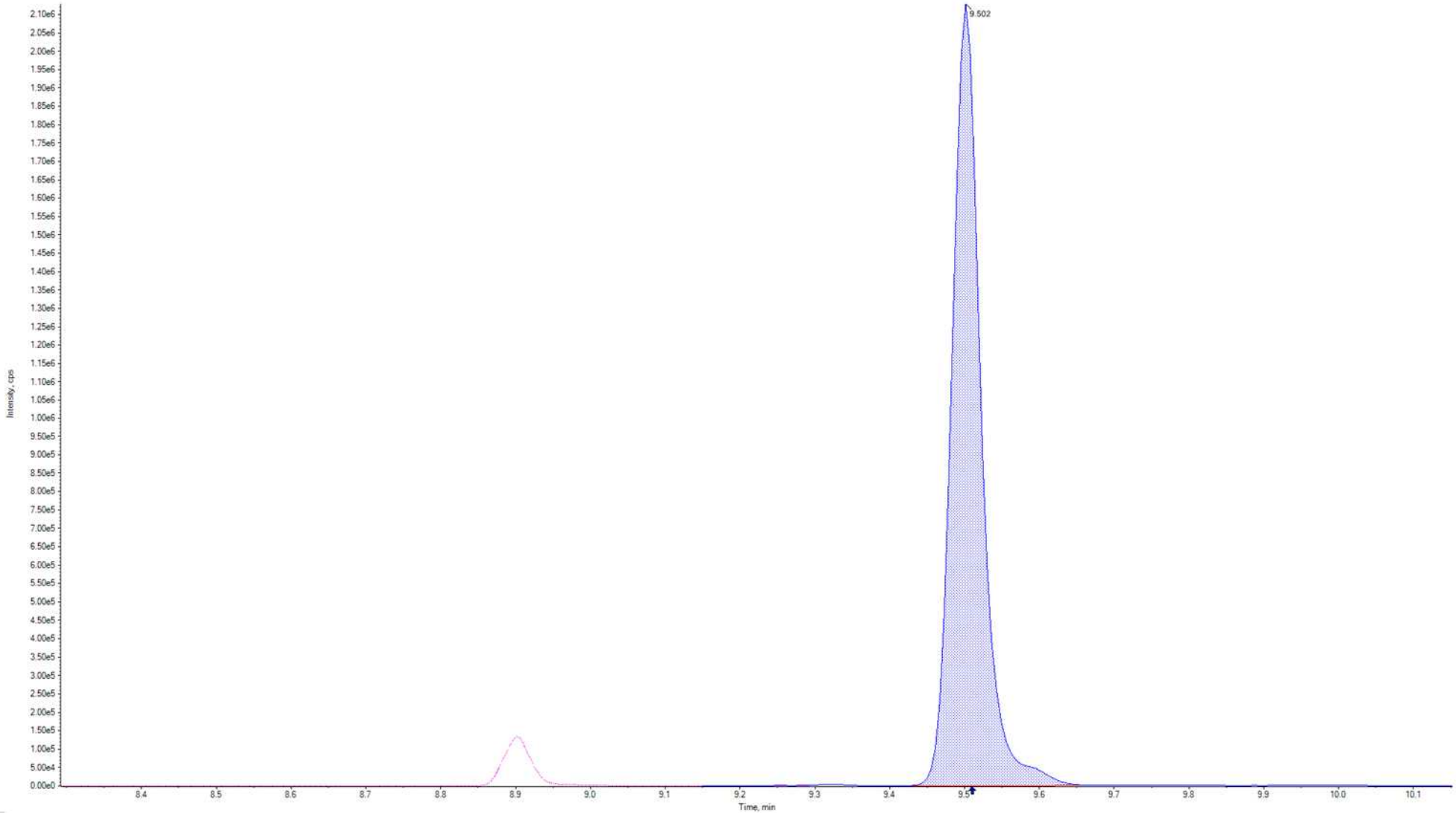
Generated: 8/14/2024 6:27:11 AM

PFTrDA
Sample: IA1633STD-25 S/N:4417.4 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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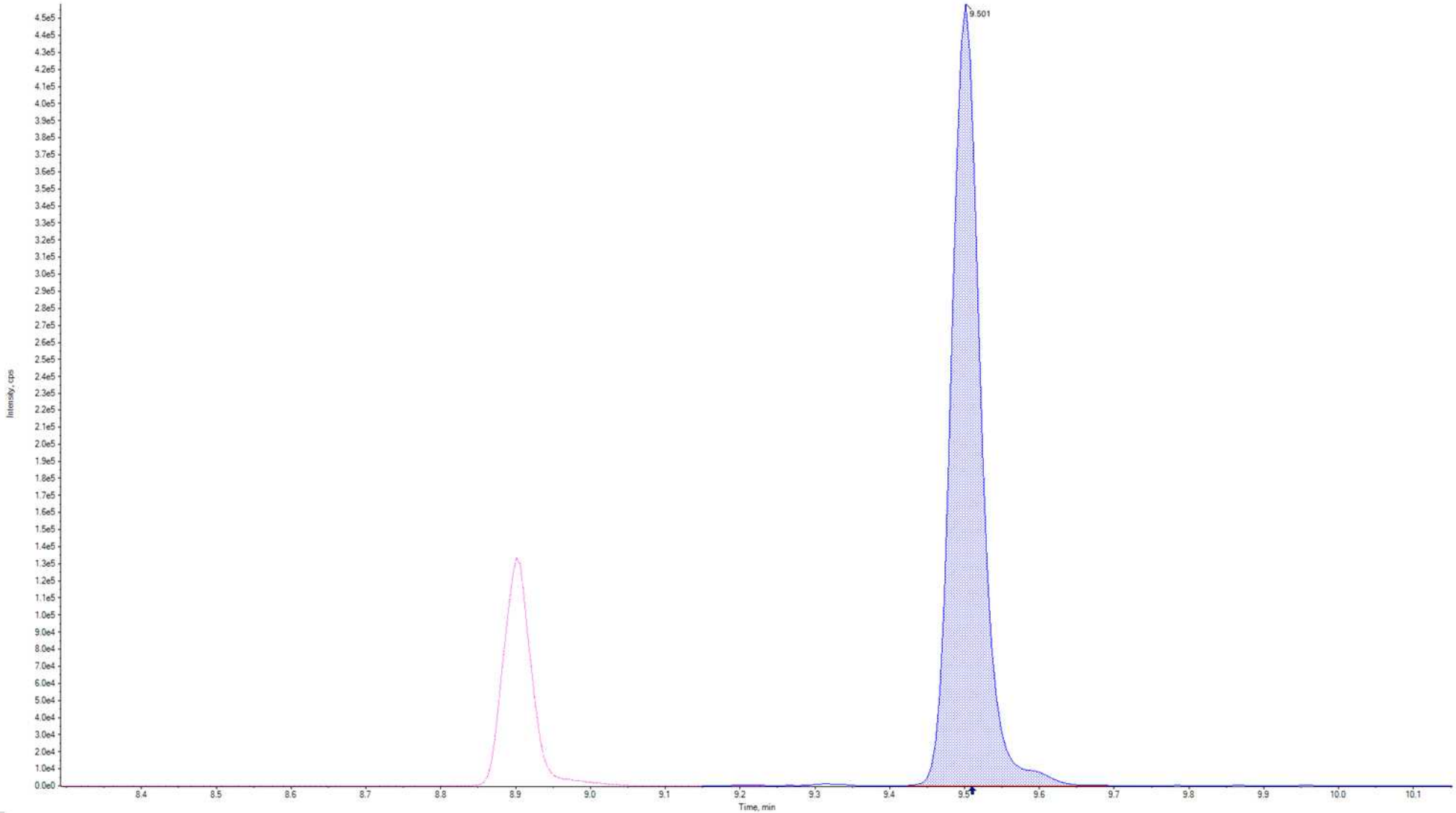
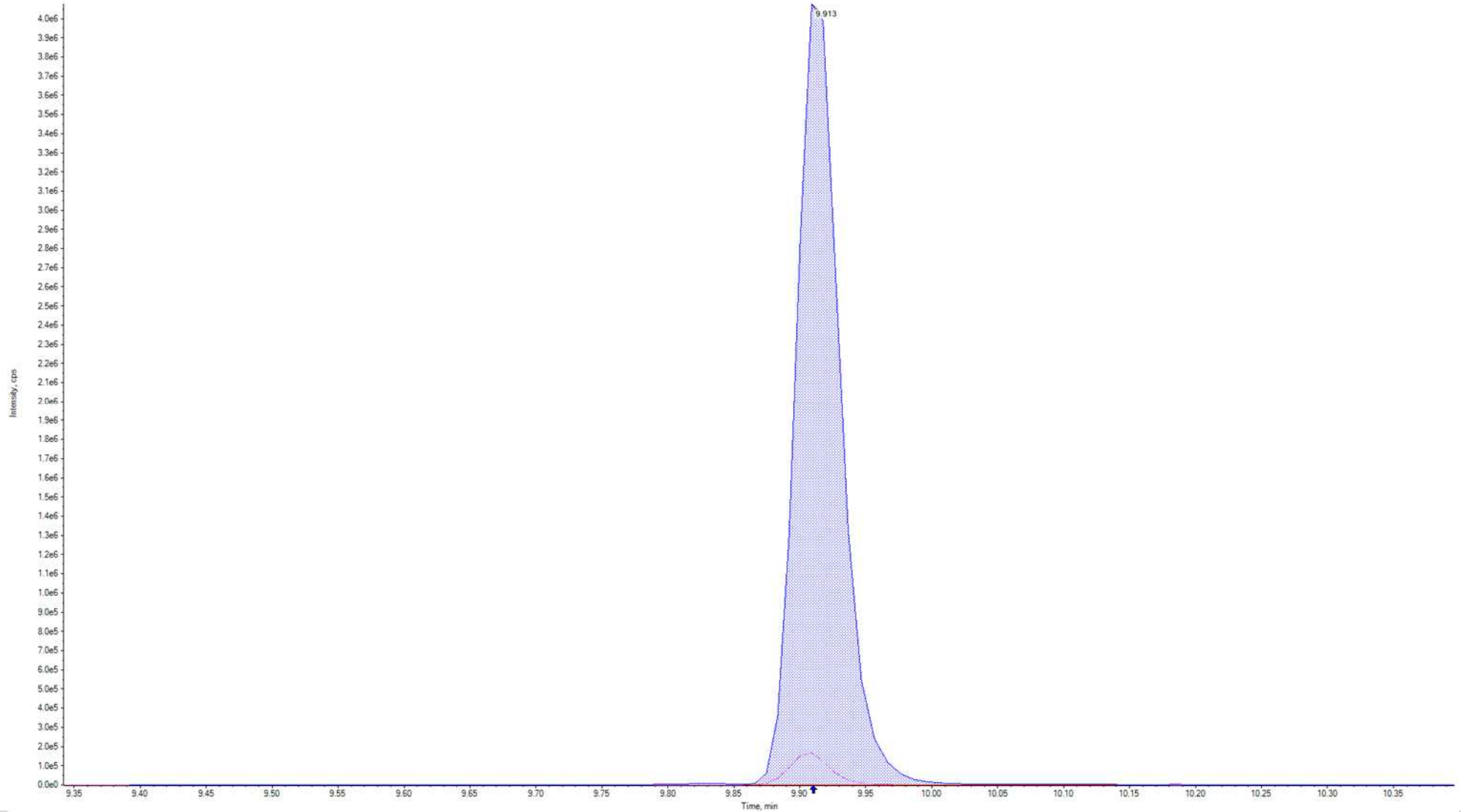
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTrDA_2
Sample: IA1633STD-25 S/N:22800.3 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
Sample: IA1633STD-25 S/N:6582.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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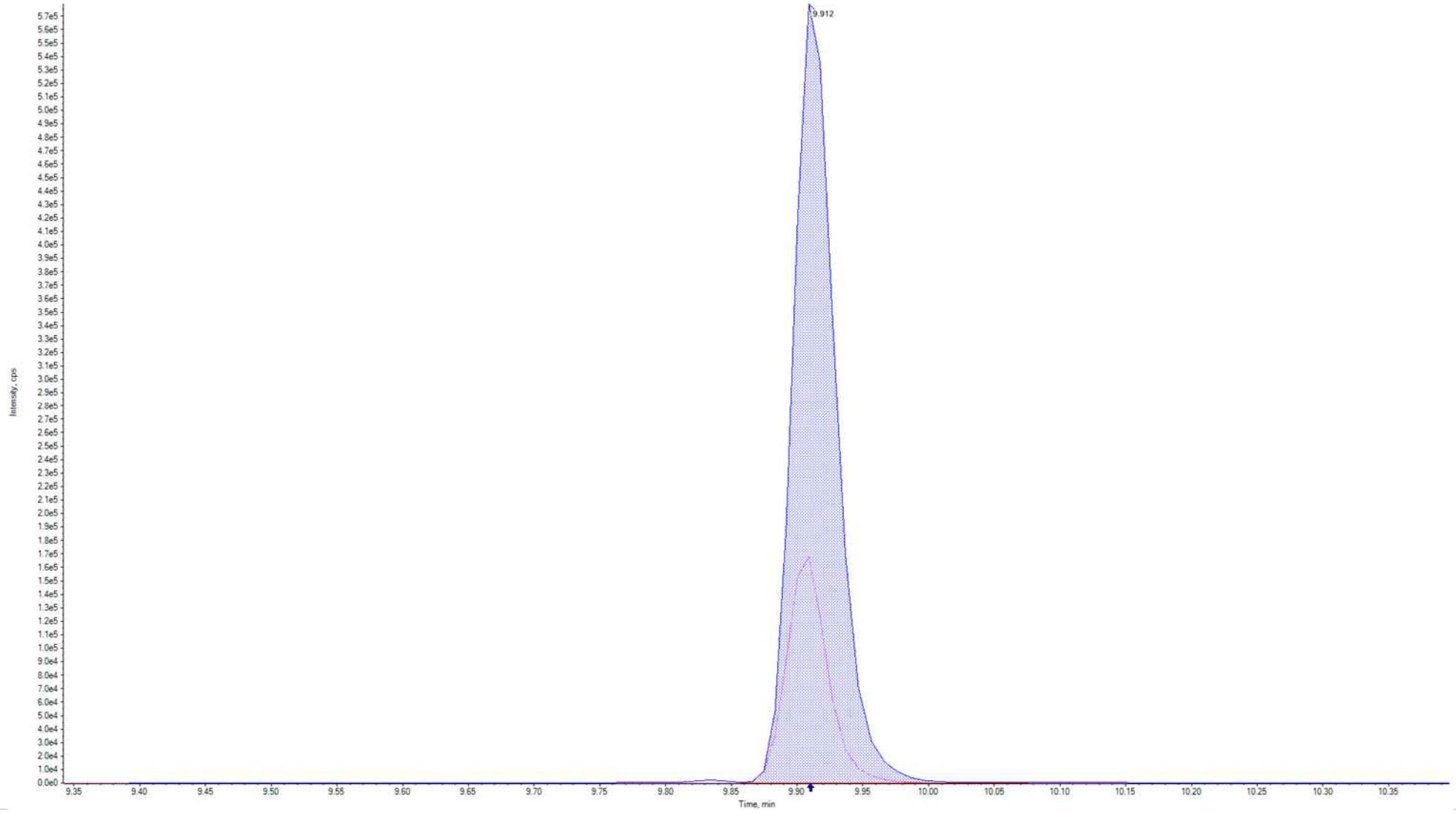
PFTeDA_2
Sample: IA1633STD-25 S/N:23290333.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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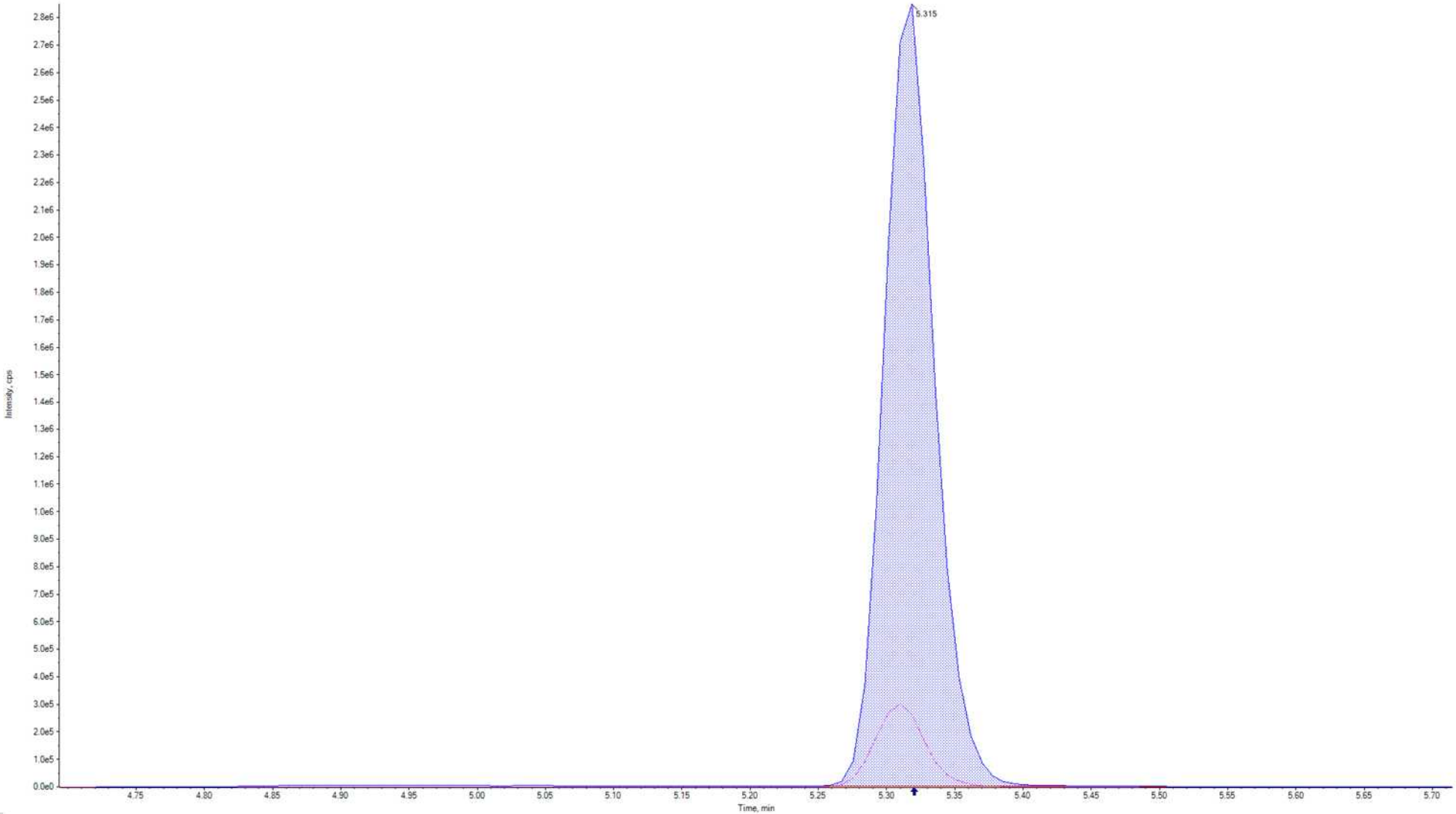
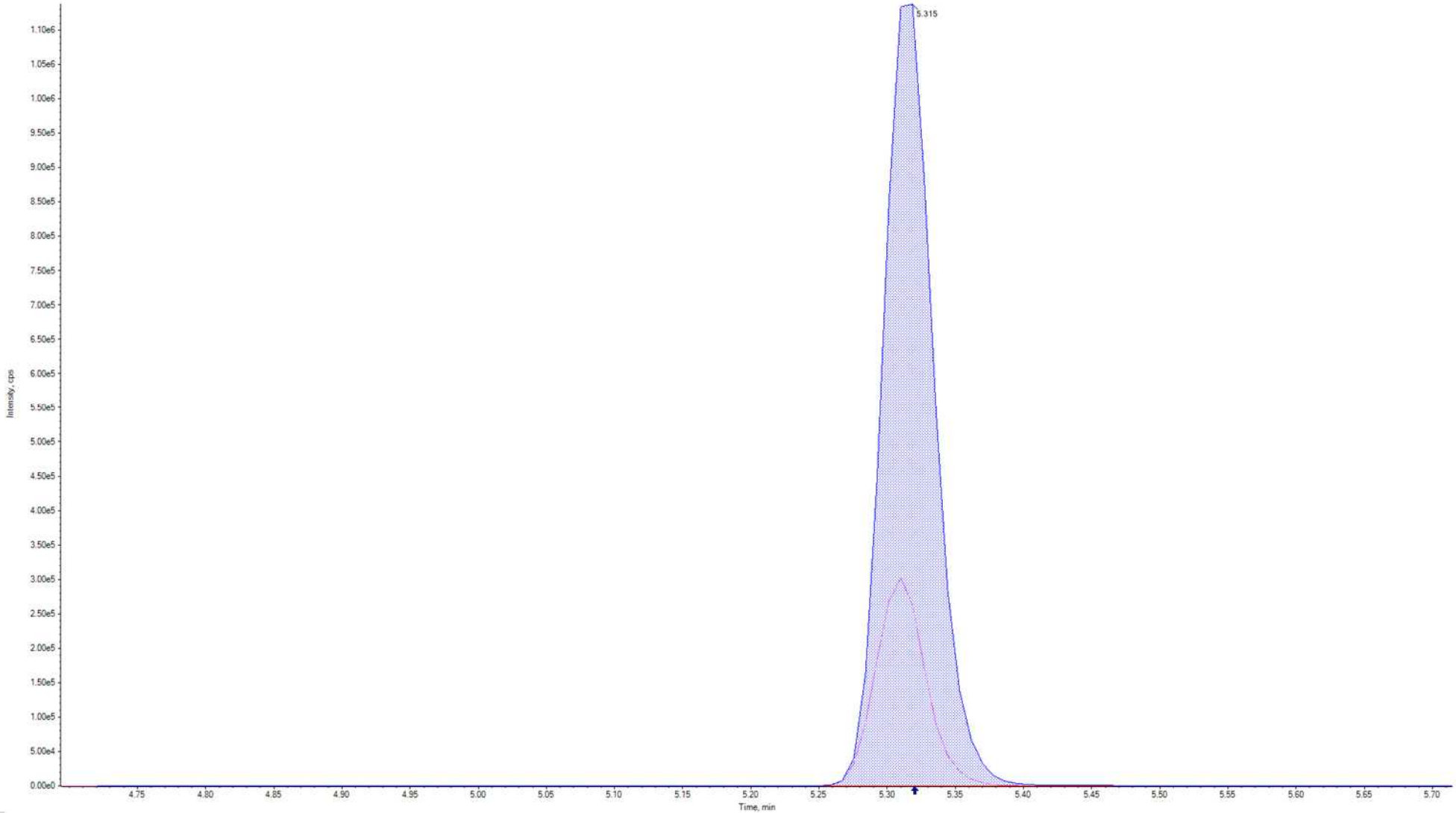
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-25 S/N:74.5 Points Across peak:38



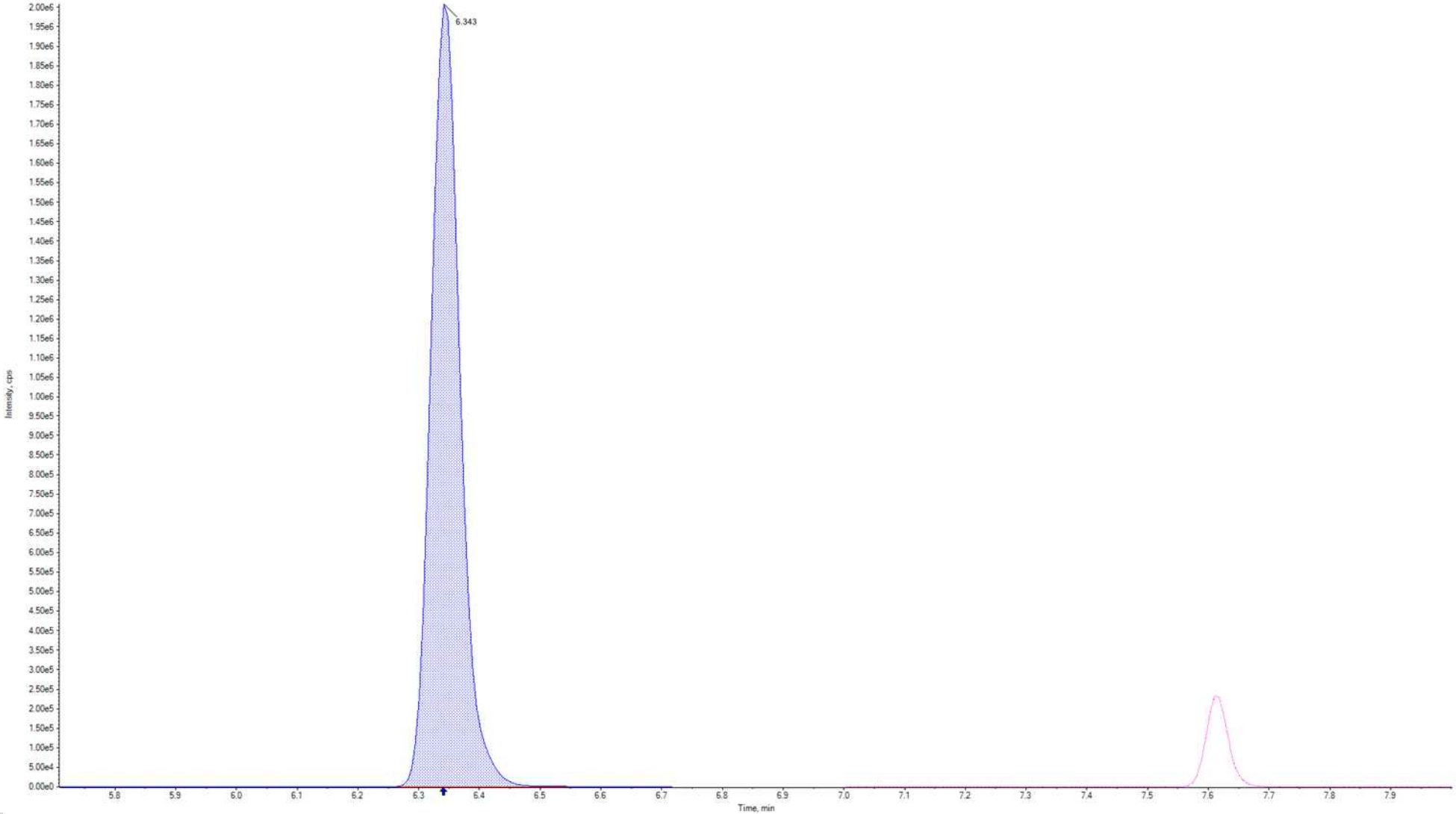
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-25 S/N:7613.1 Points Across peak:32



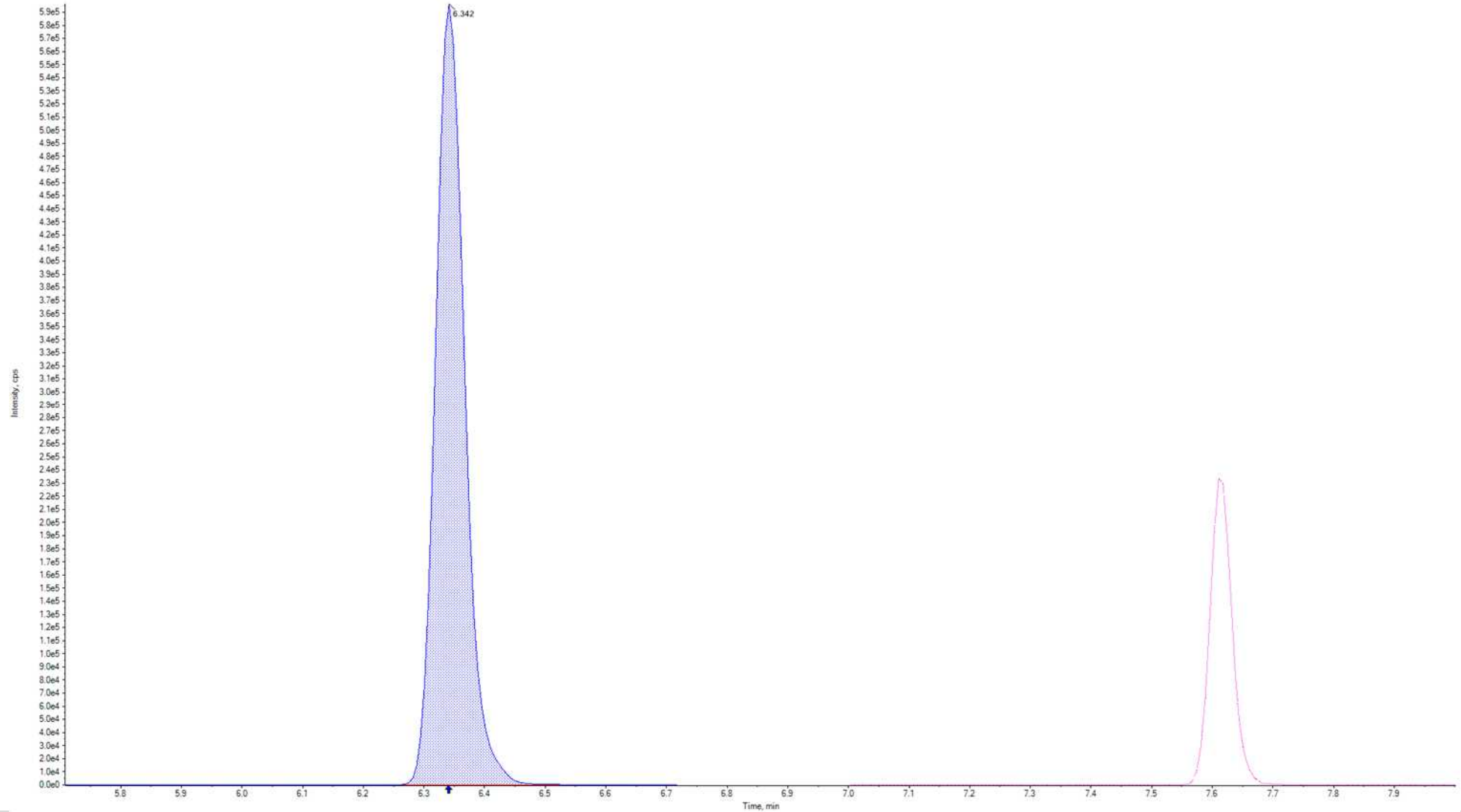
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-25 S/N:18343.2 Points Across peak:58



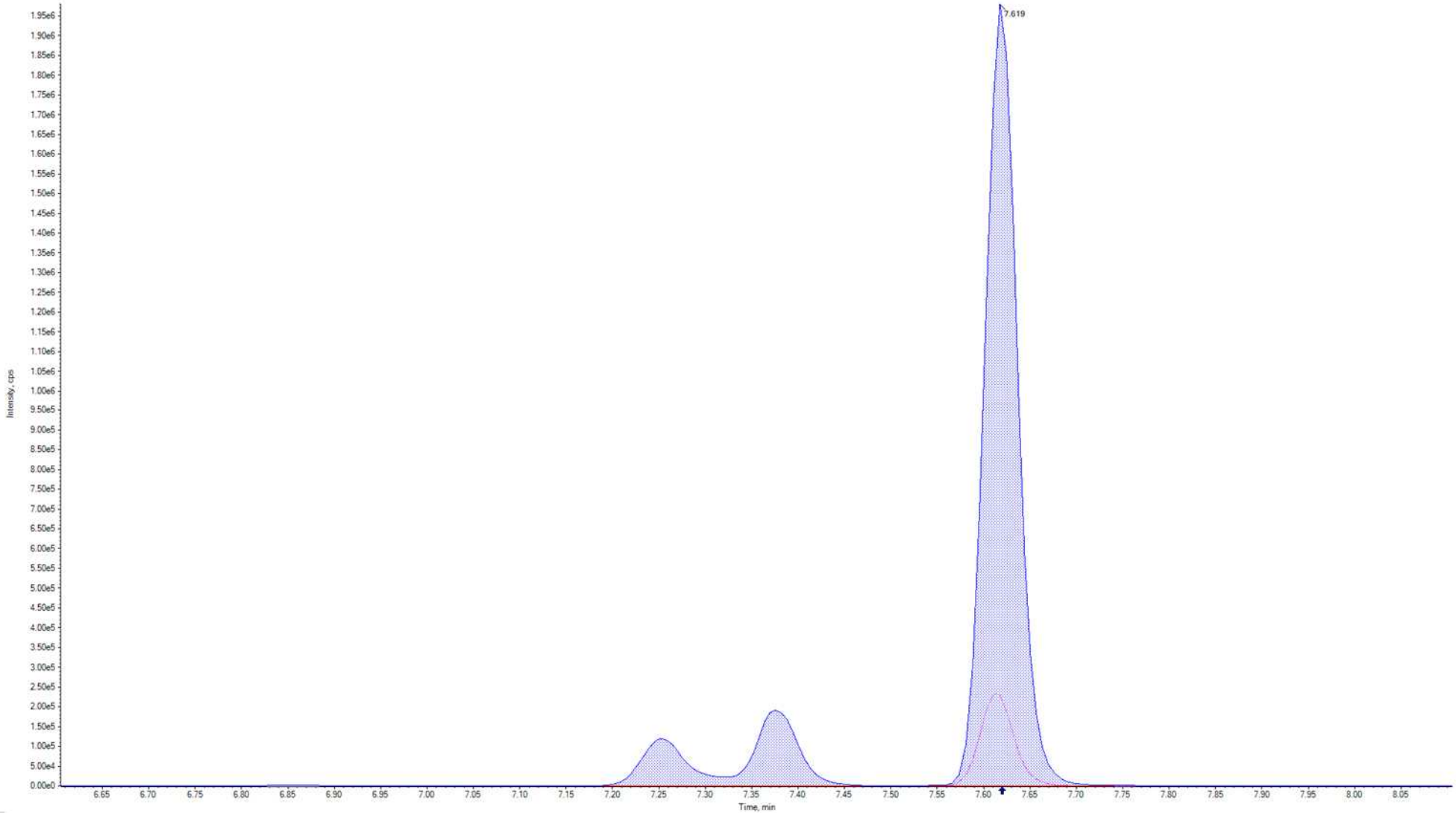
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-25 S/N:29784.6 Points Across peak:61



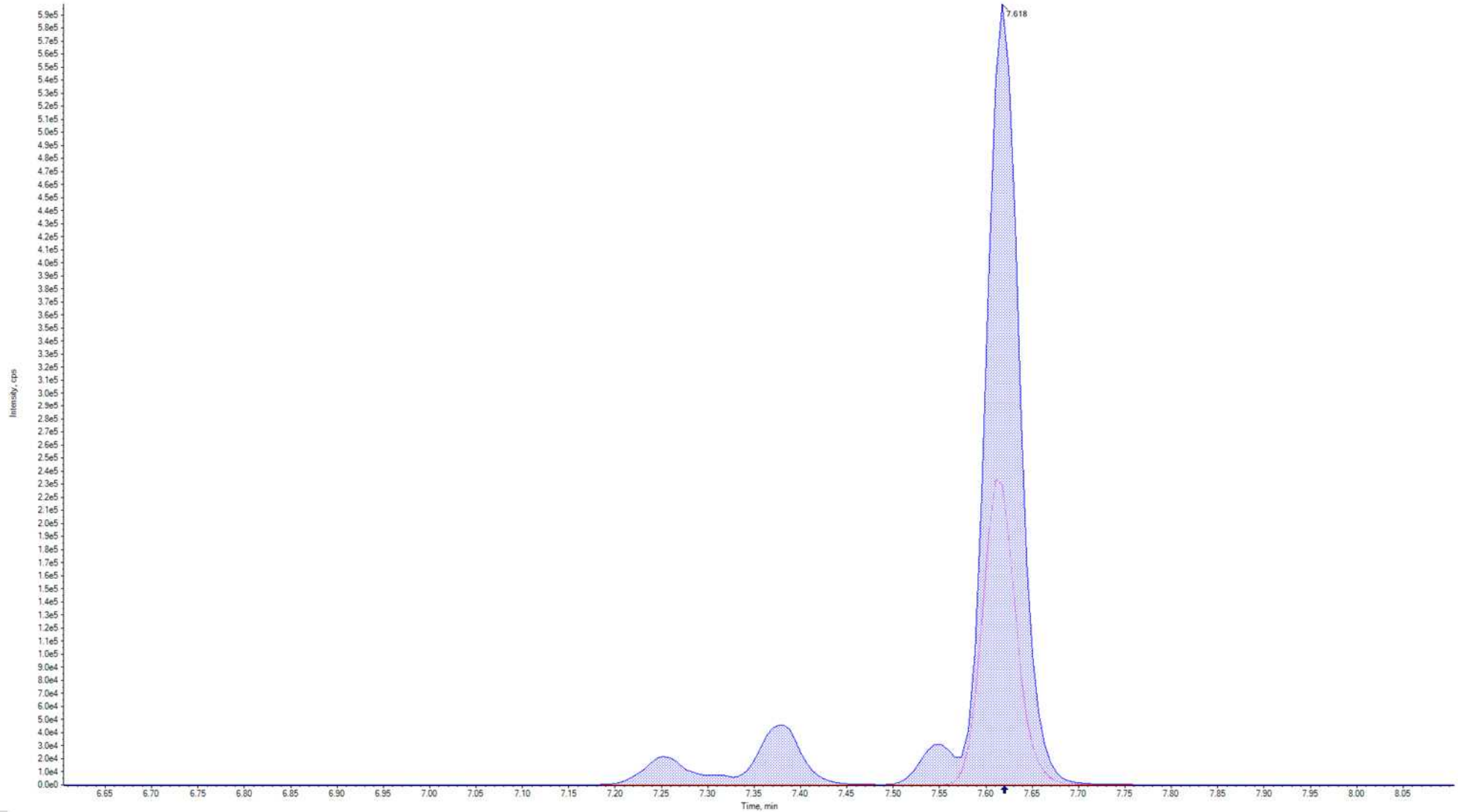
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-25 S/N:40237.0 Points Across peak:91



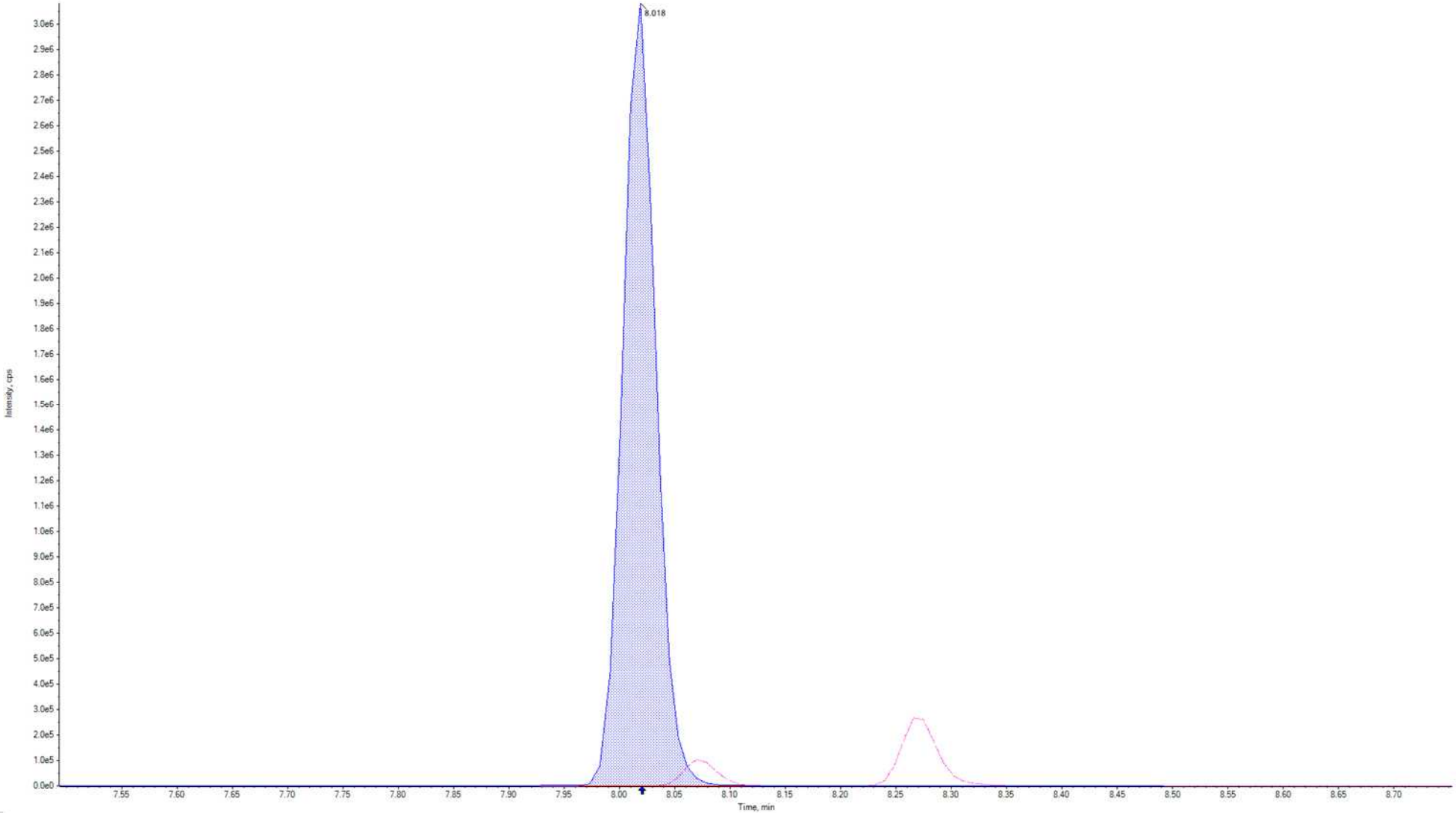
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-25 S/N:62008941.1 Points Across peak:95



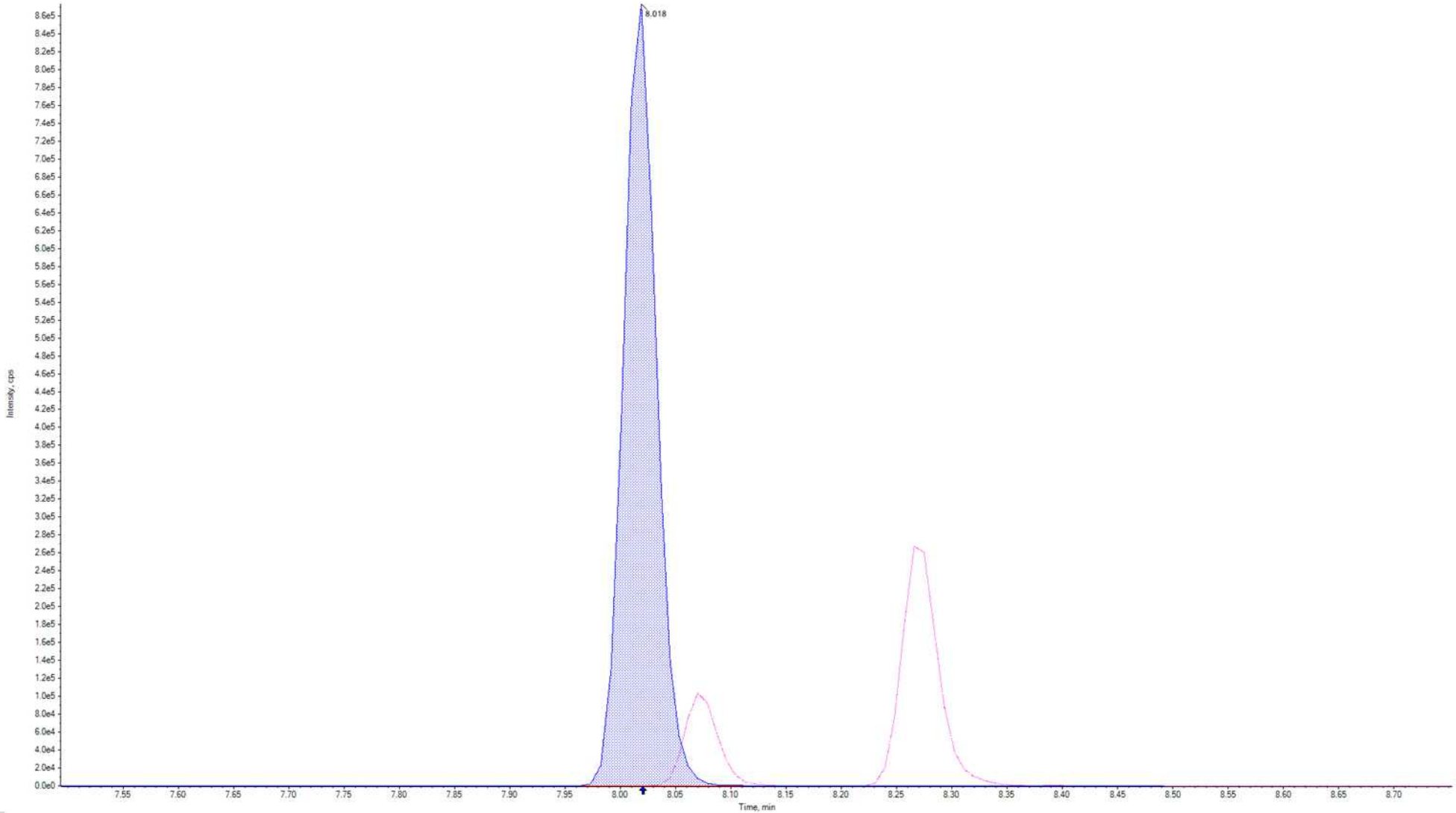
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-25 S/N:22541.3 Points Across peak:32



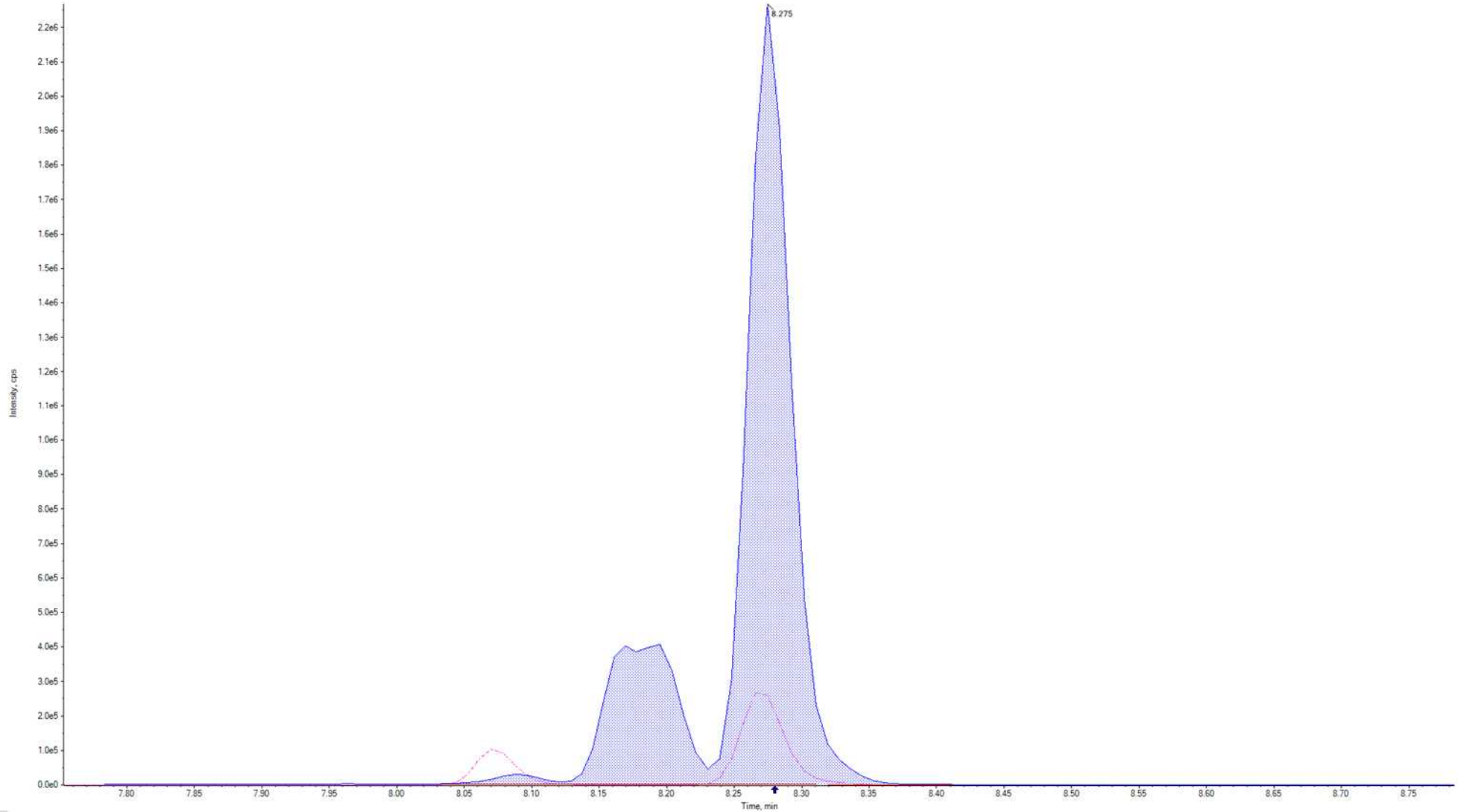
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-25 S/N:4801.2 Points Across peak:20



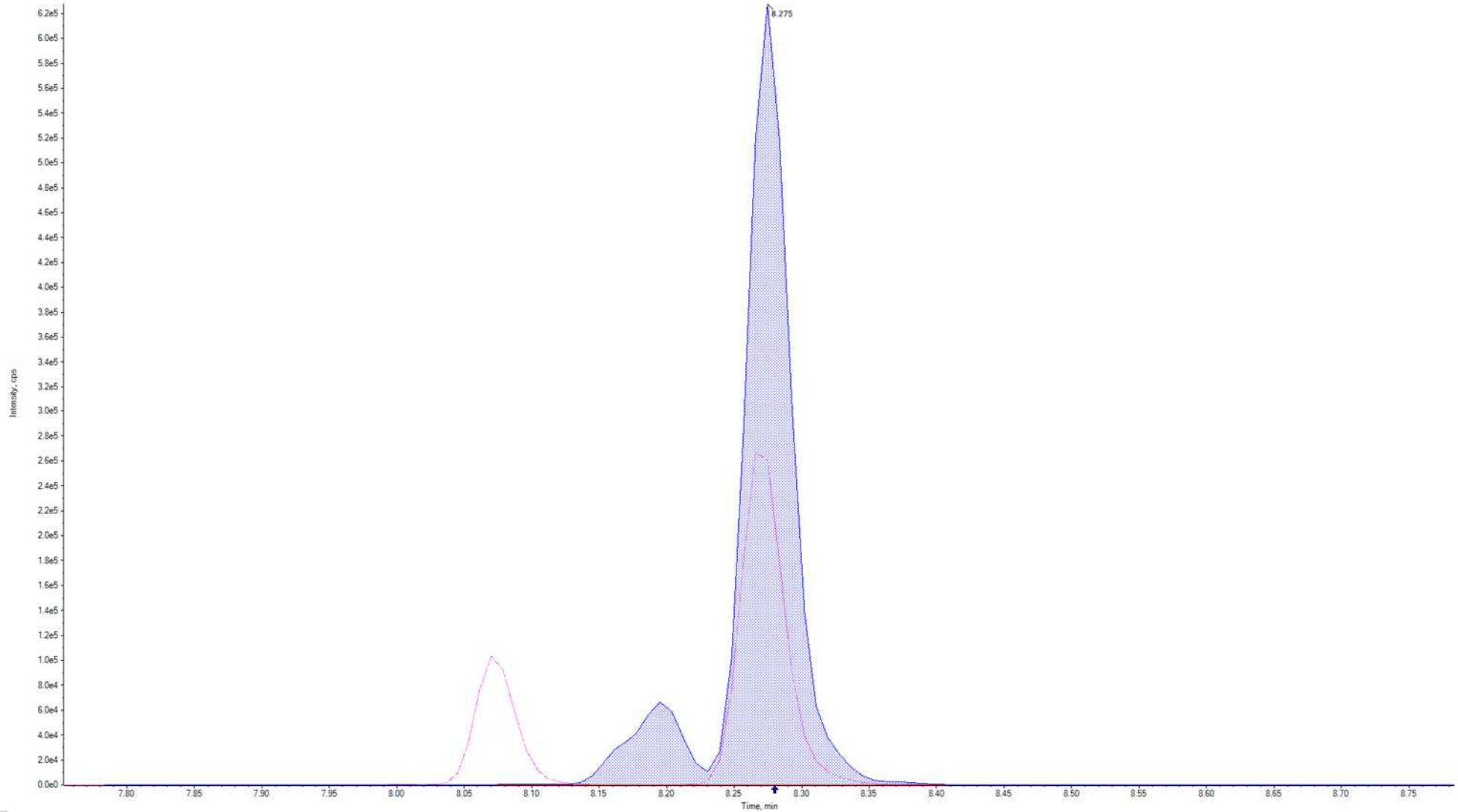
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-25 S/N:4127.9 Points Across peak:54



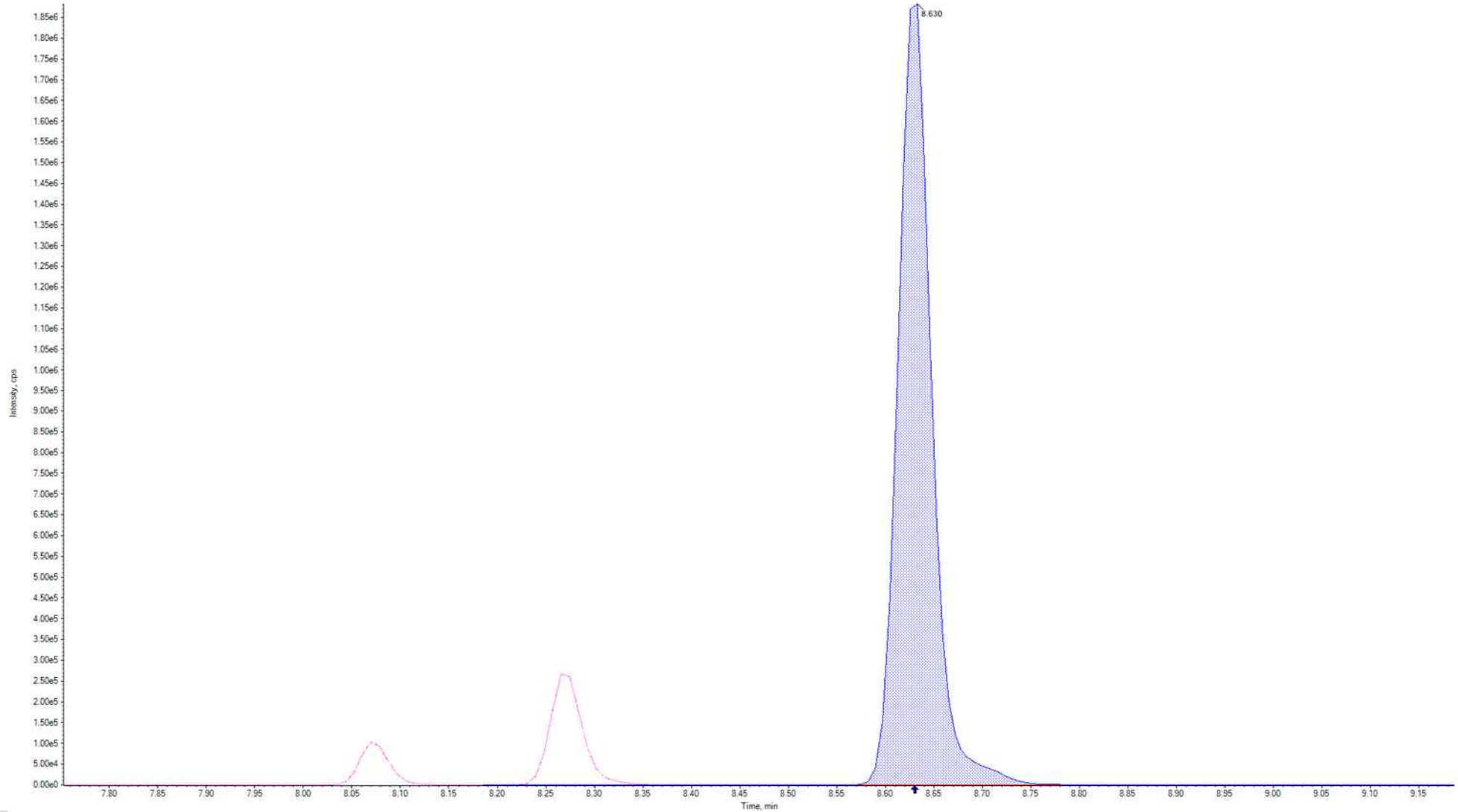
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-25 S/N:3157.8 Points Across peak:55



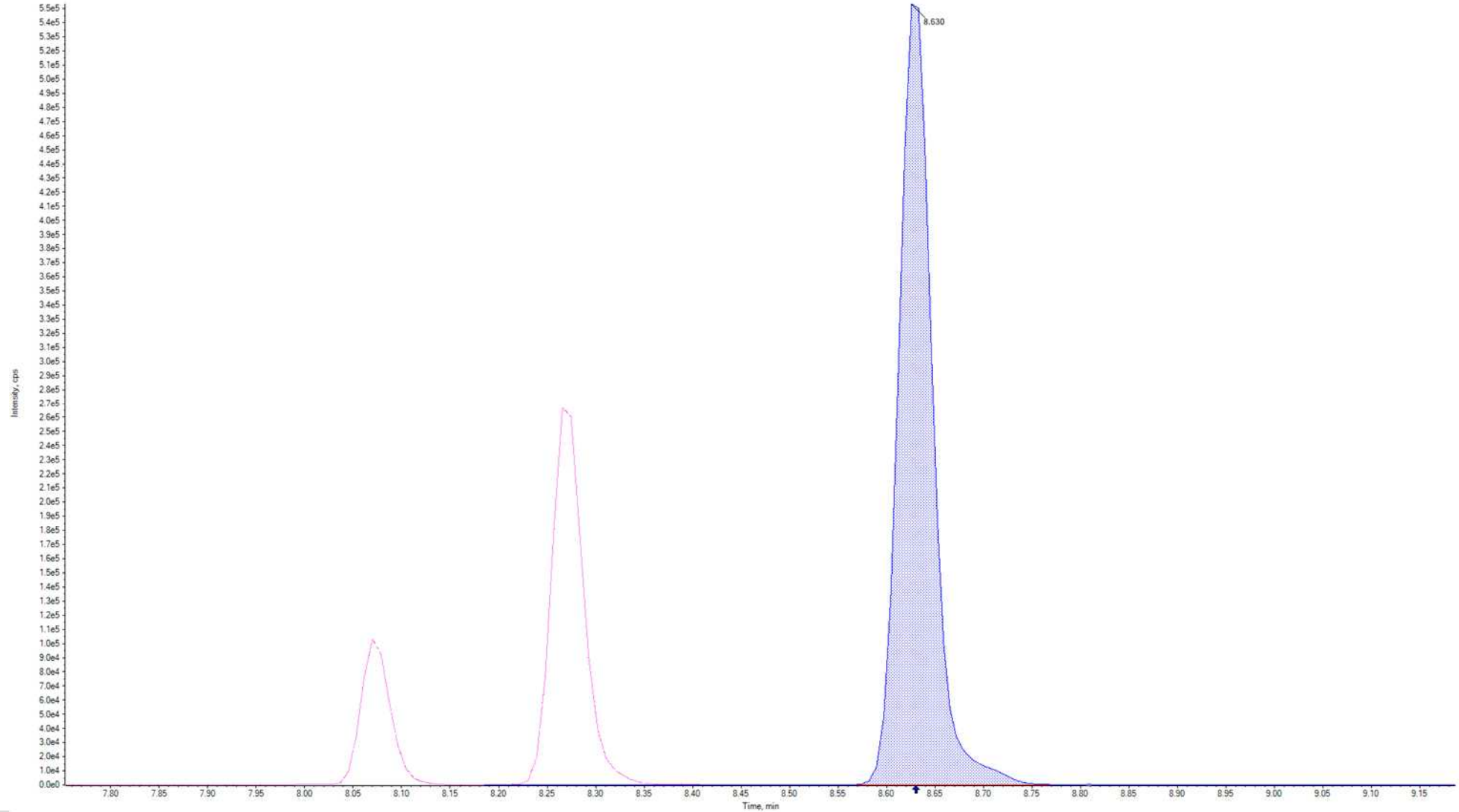
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-25 S/N:18060.5 Points Across peak:47



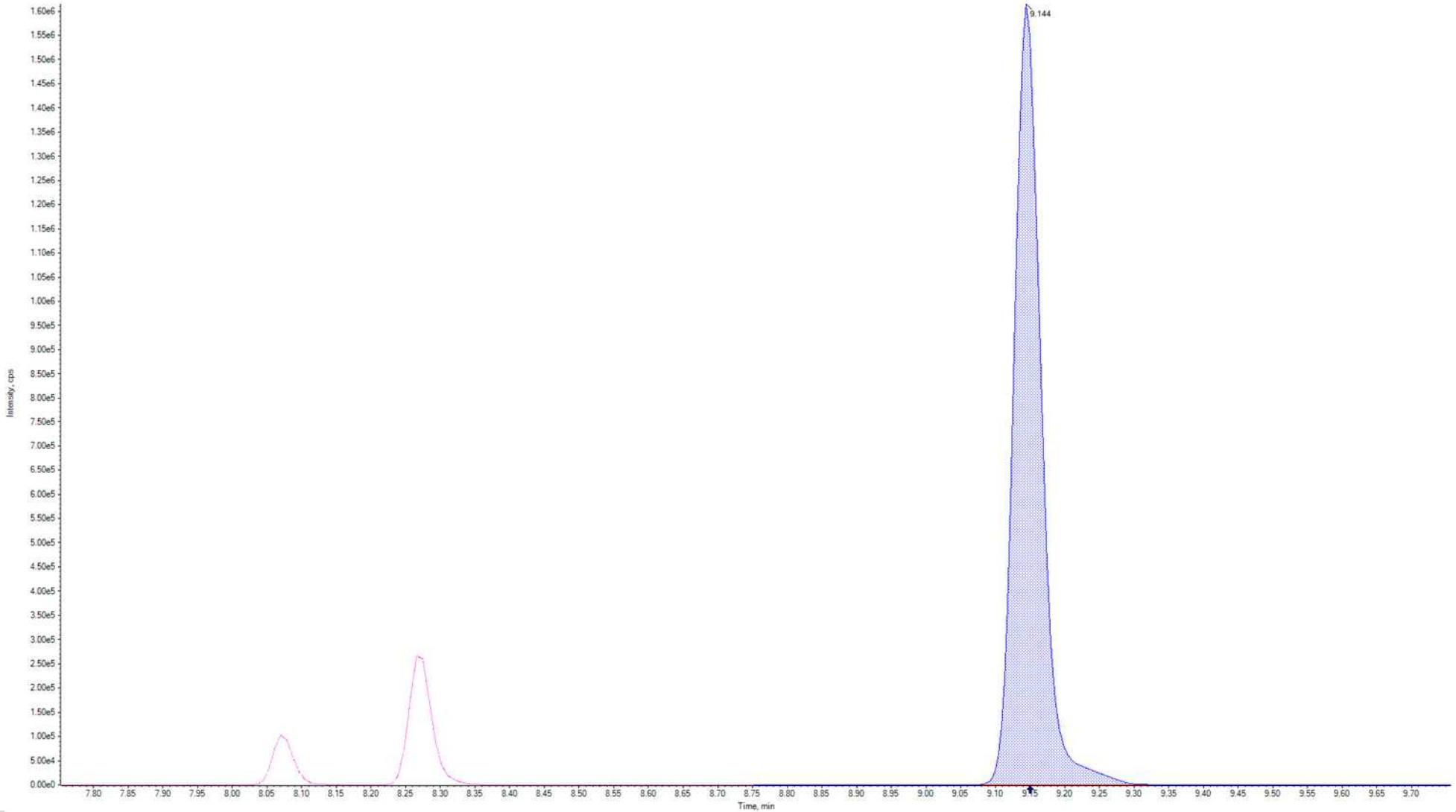
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-25 S/N:3606325.5 Points Across peak:39



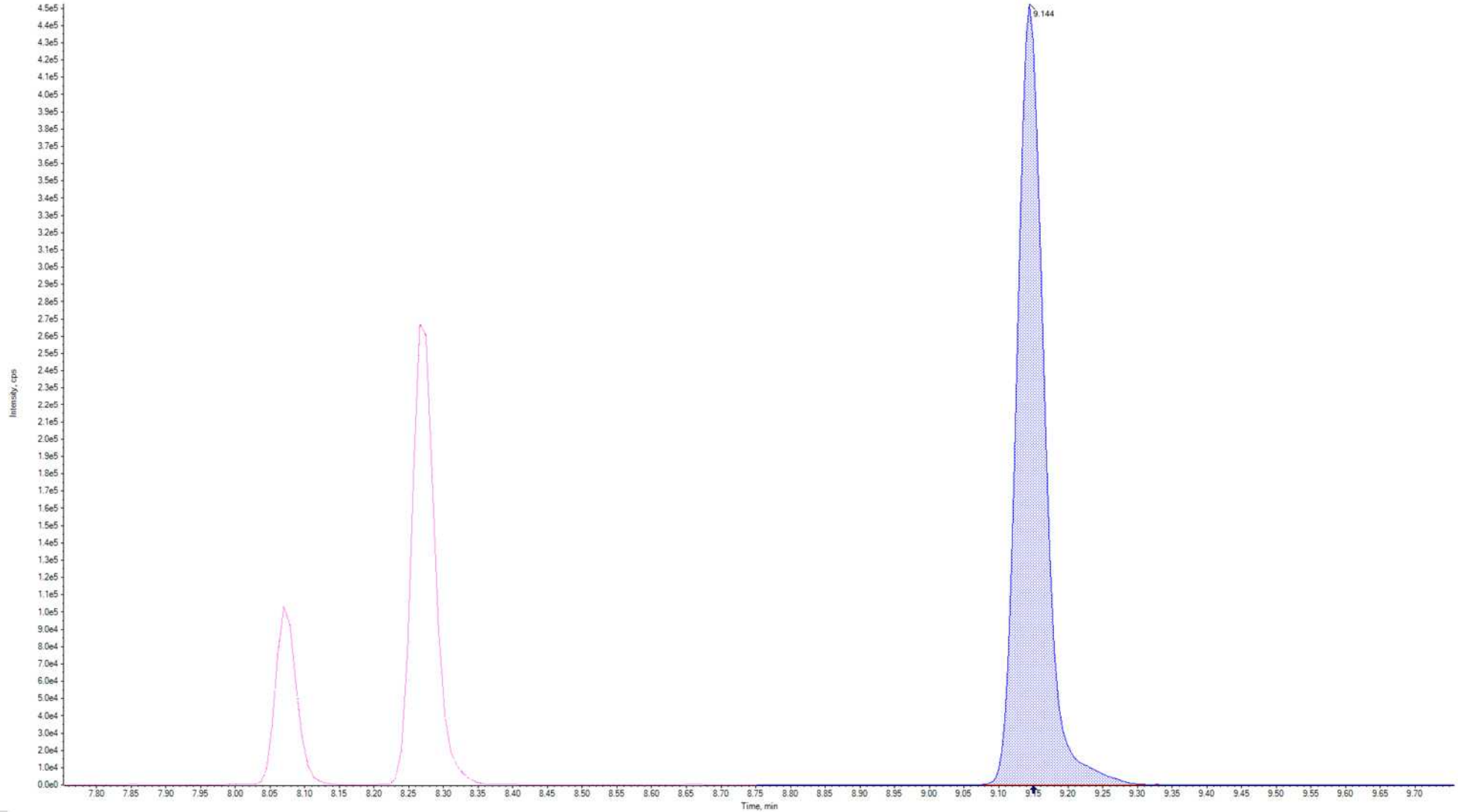
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-25 S/N:27974.5 Points Across peak:58



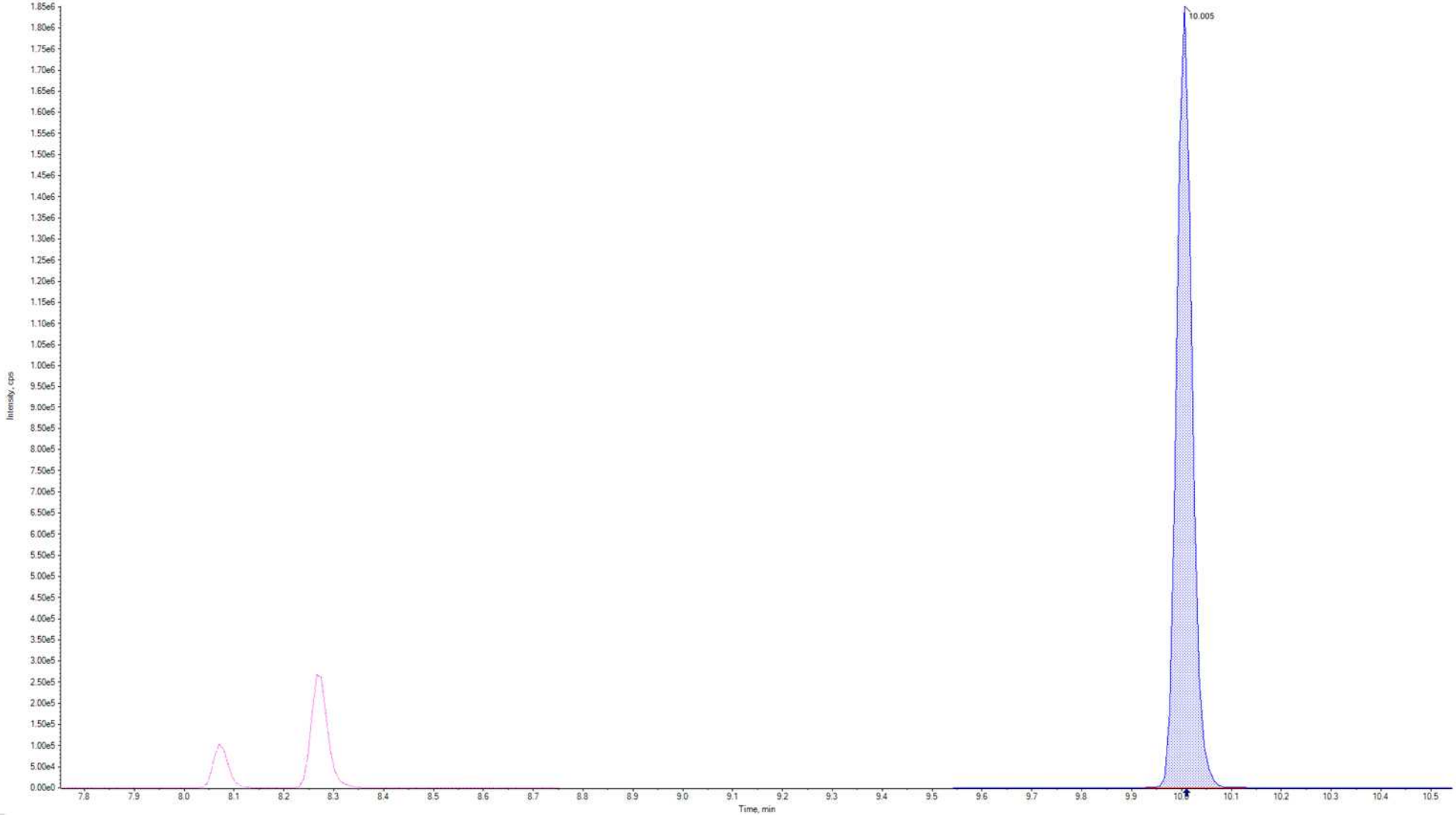
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-25 S/N:737644.8 Points Across peak:52



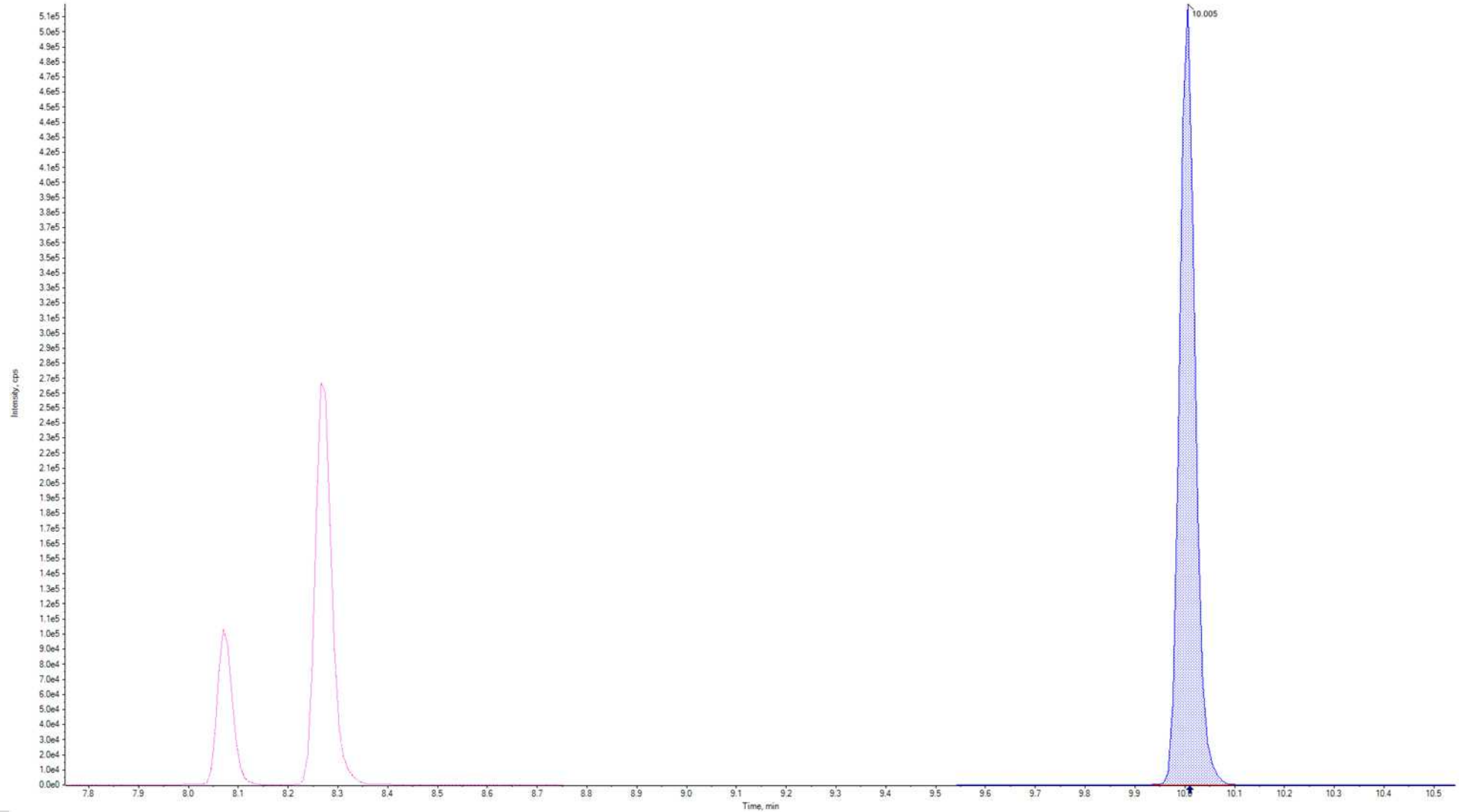
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-25 S/N:102419.8 Points Across peak:34



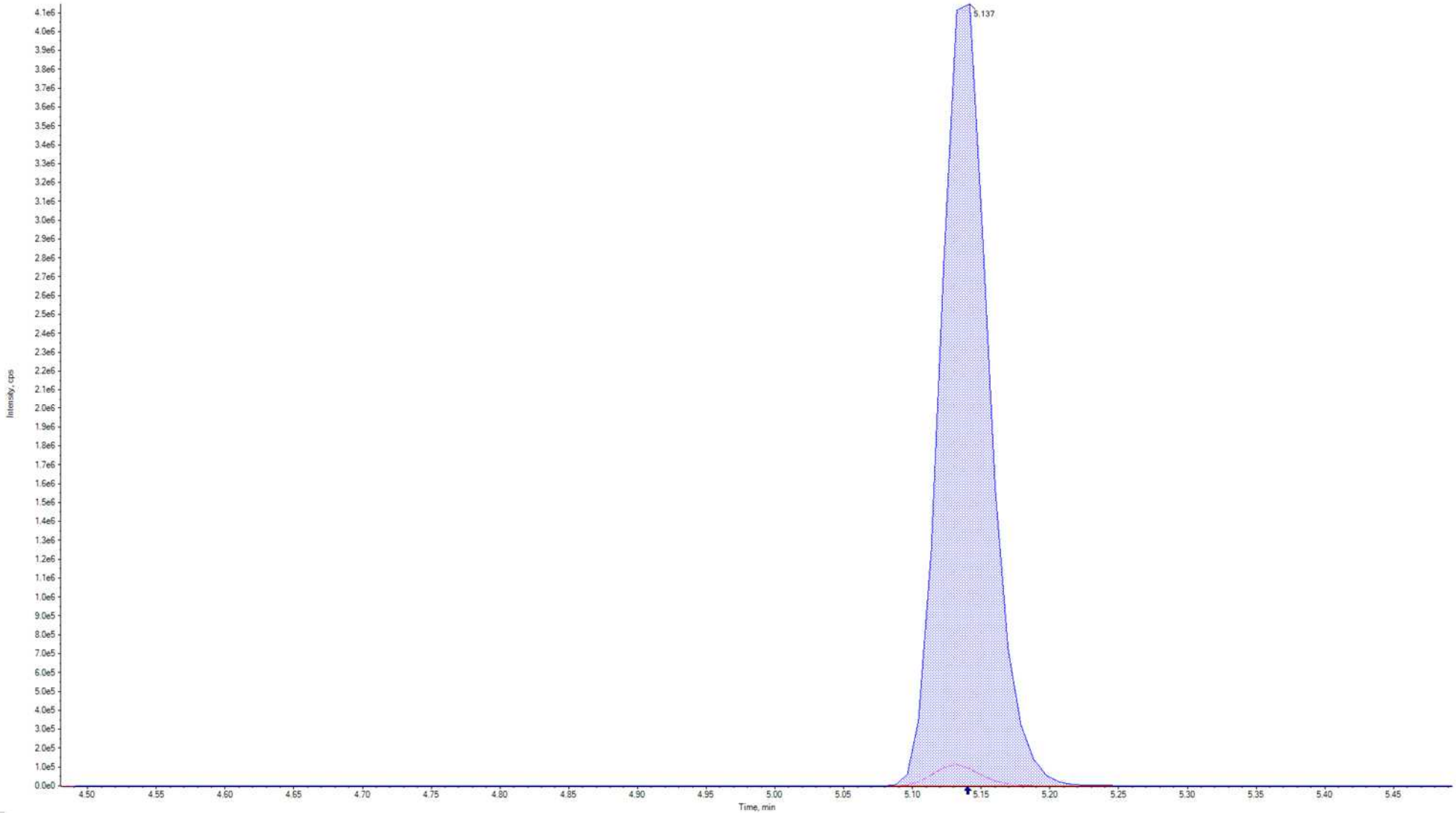
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-25 S/N:5762.5 Points Across peak:29



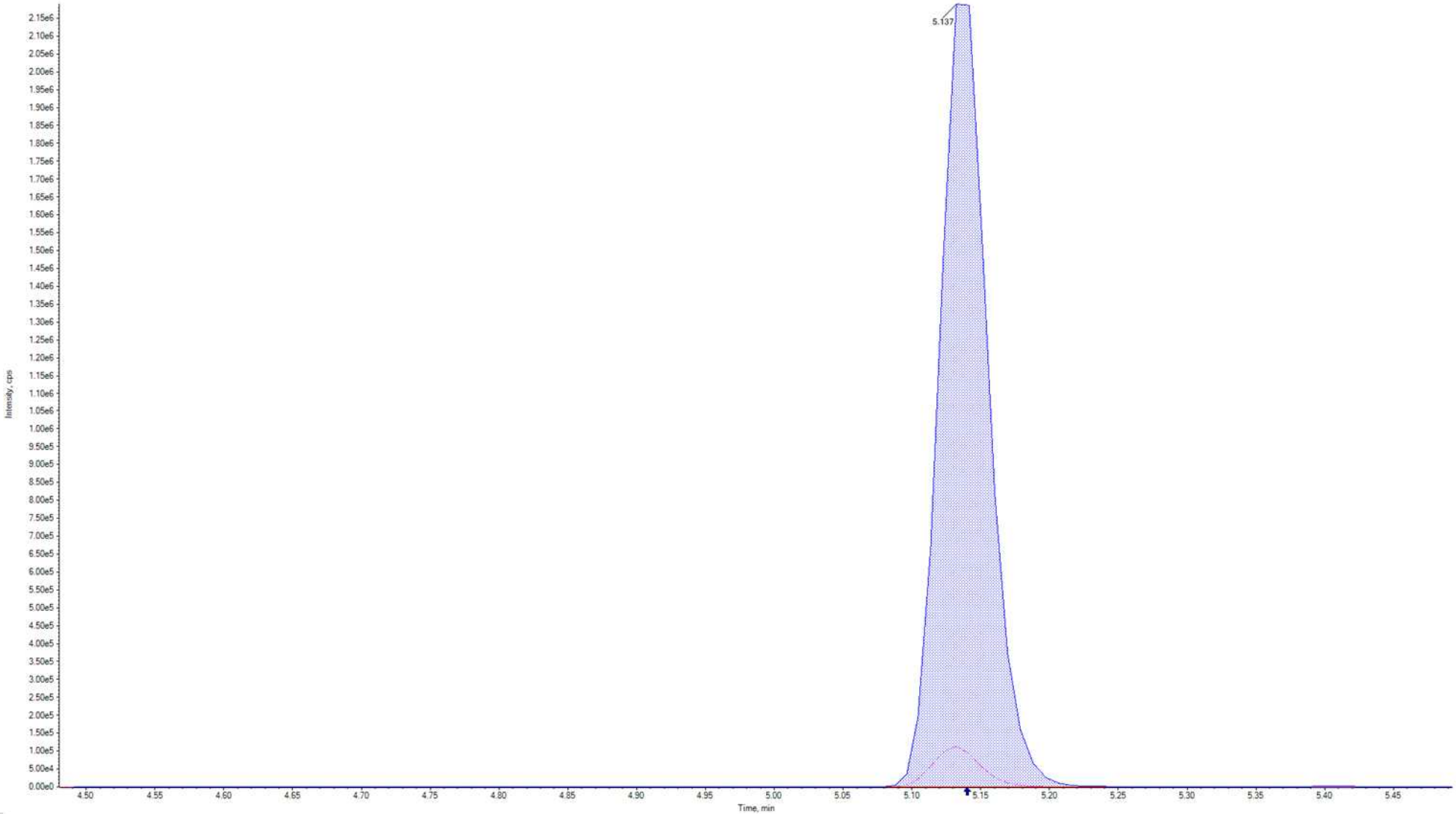
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-25 S/N:5795545.9 Points Across peak:24



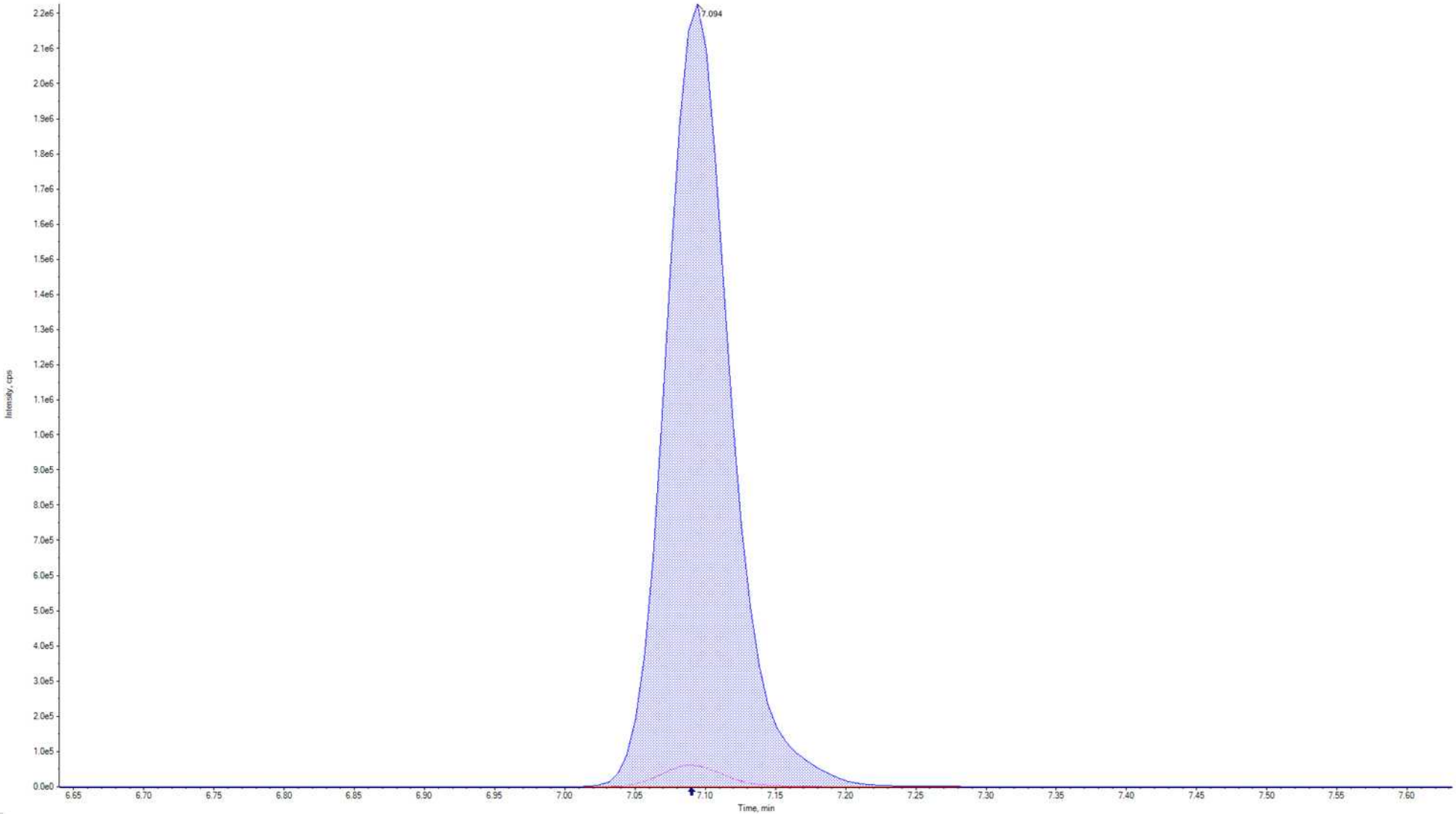
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-25 S/N:23388.7 Points Across peak:34



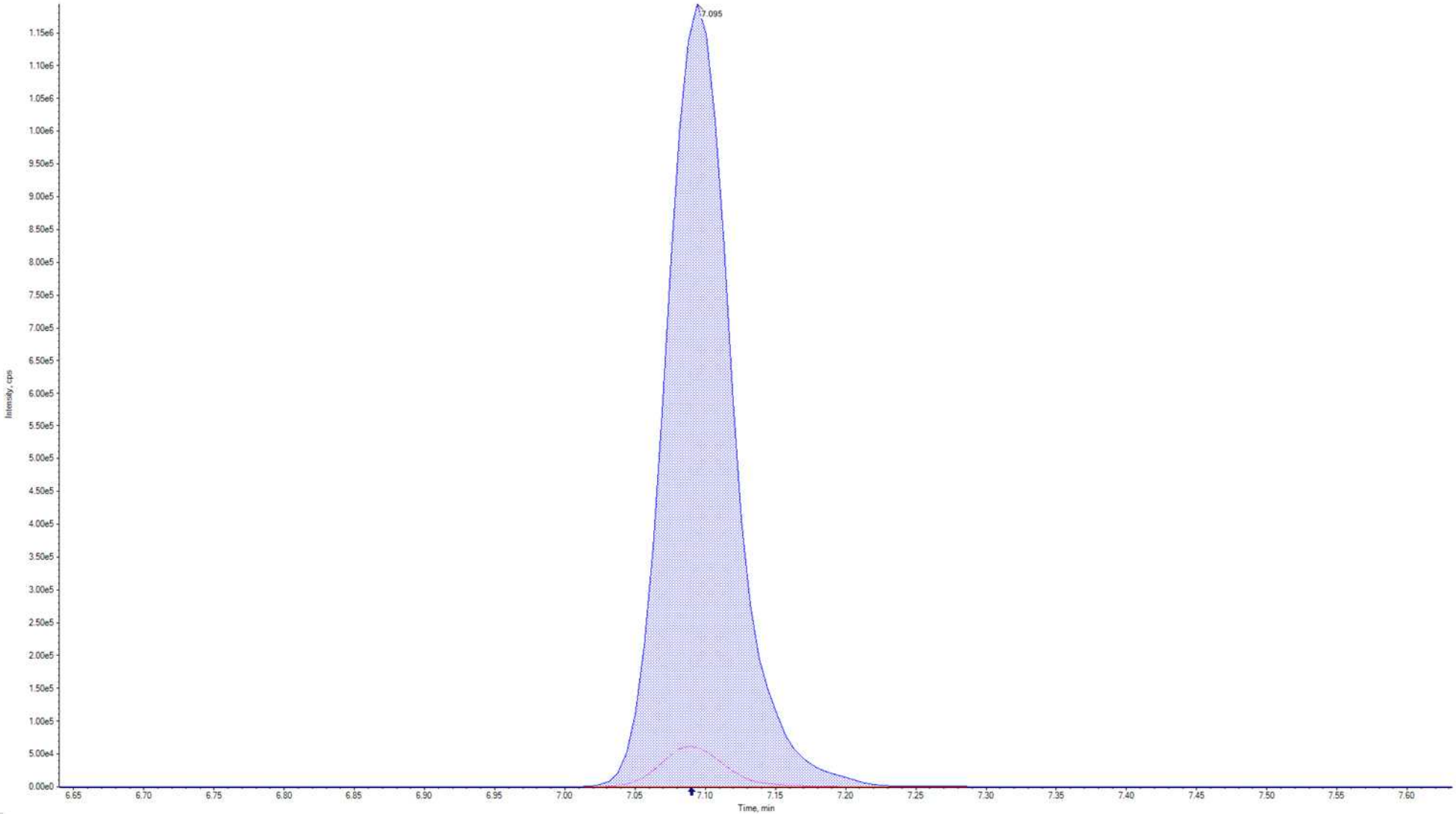
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-25 S/N:4944.1 Points Across peak:51



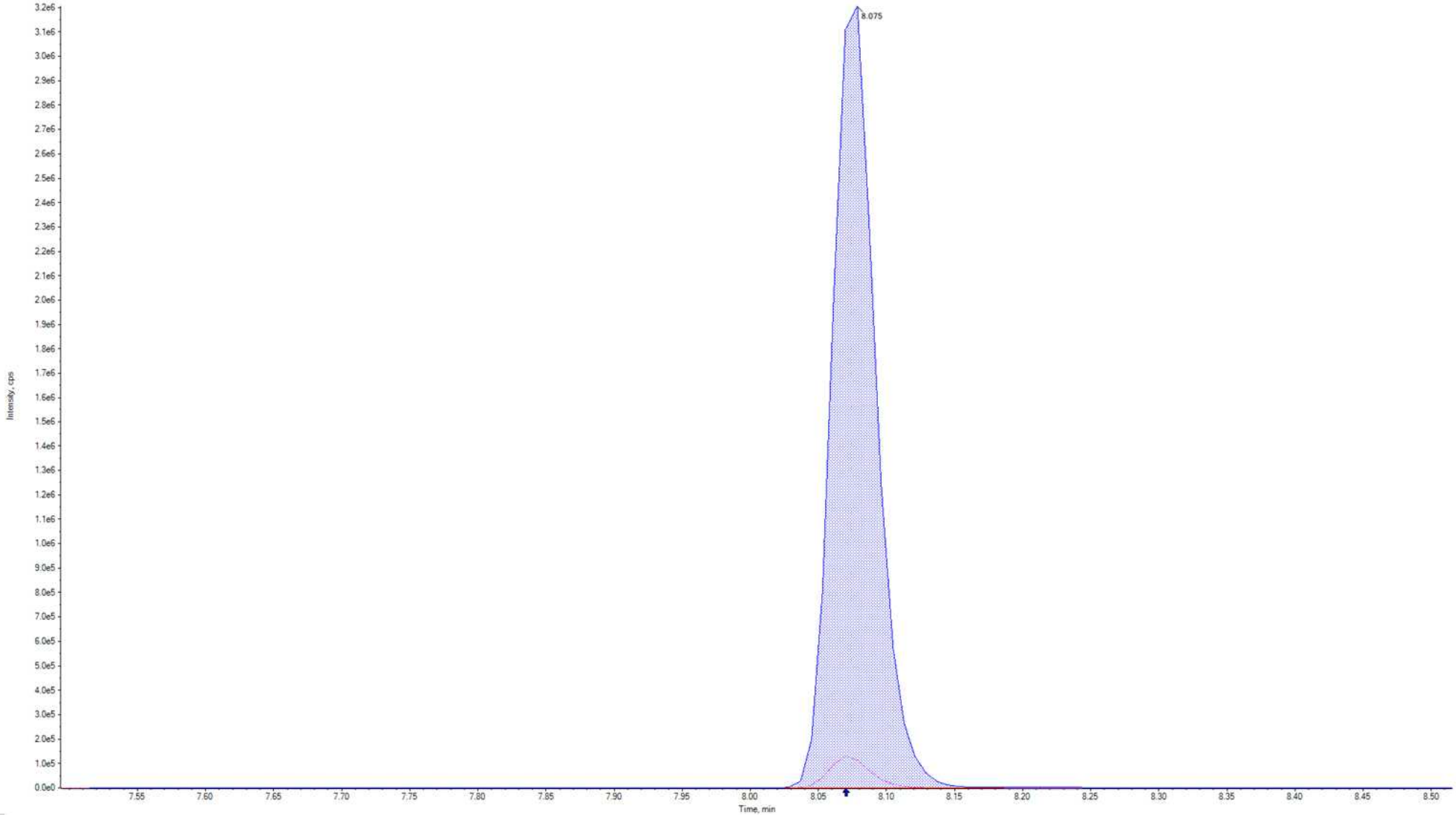
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS_2
Sample: IA1633STD-25 S/N:4386998.4 Points Across peak:52



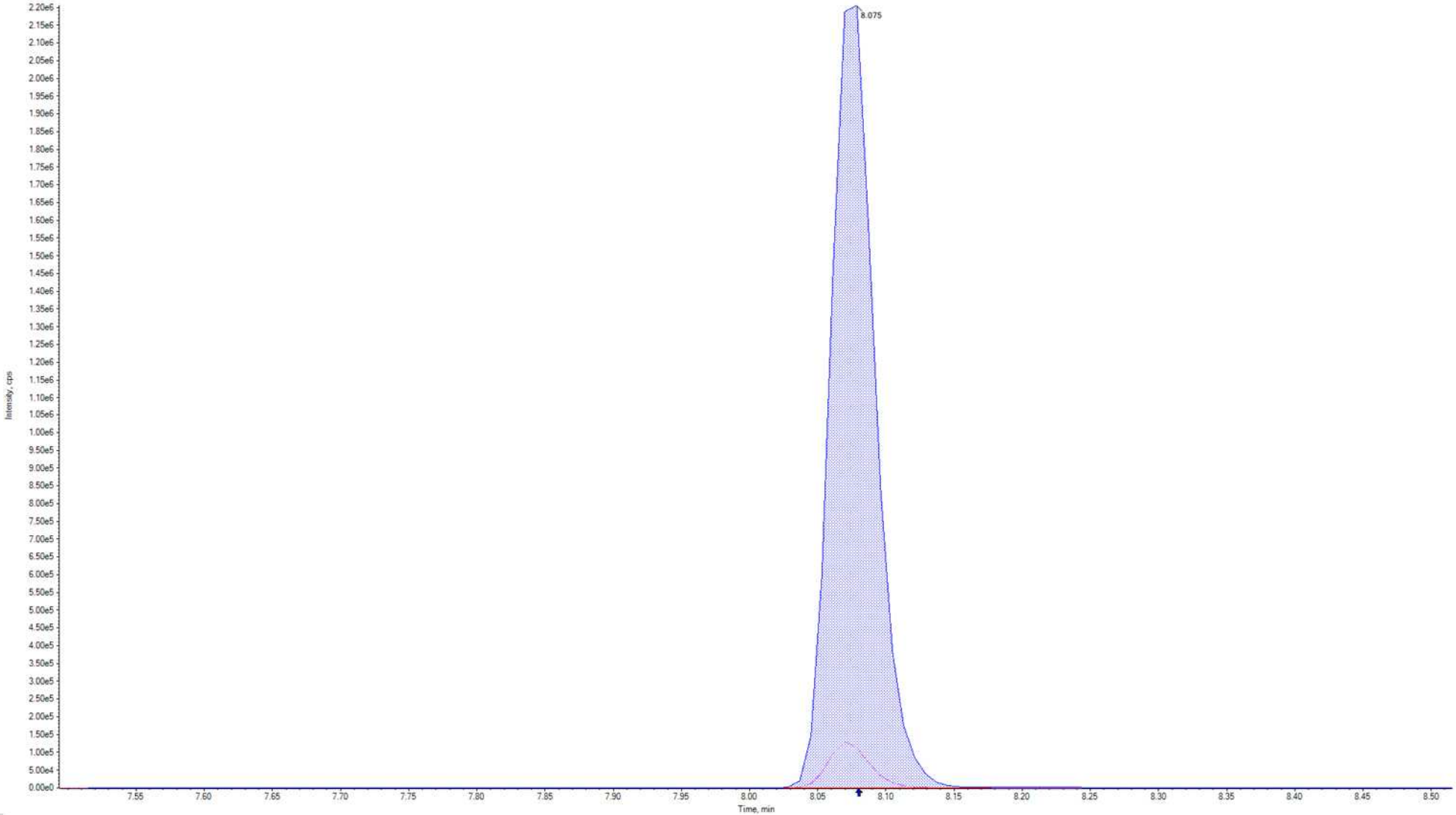
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-25 S/N:7026.9 Points Across peak:22



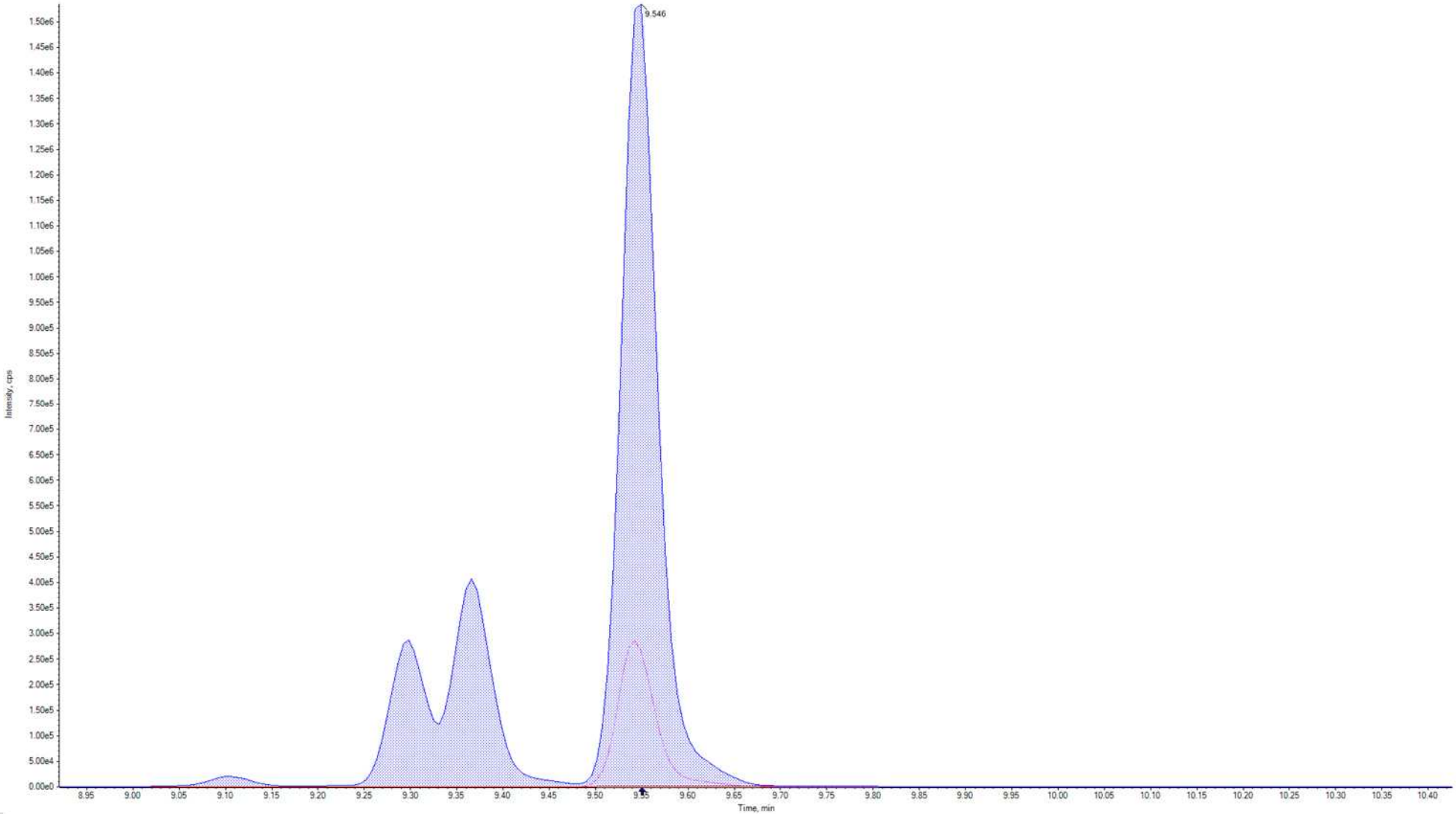
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-25 S/N:4338.8 Points Across peak:21



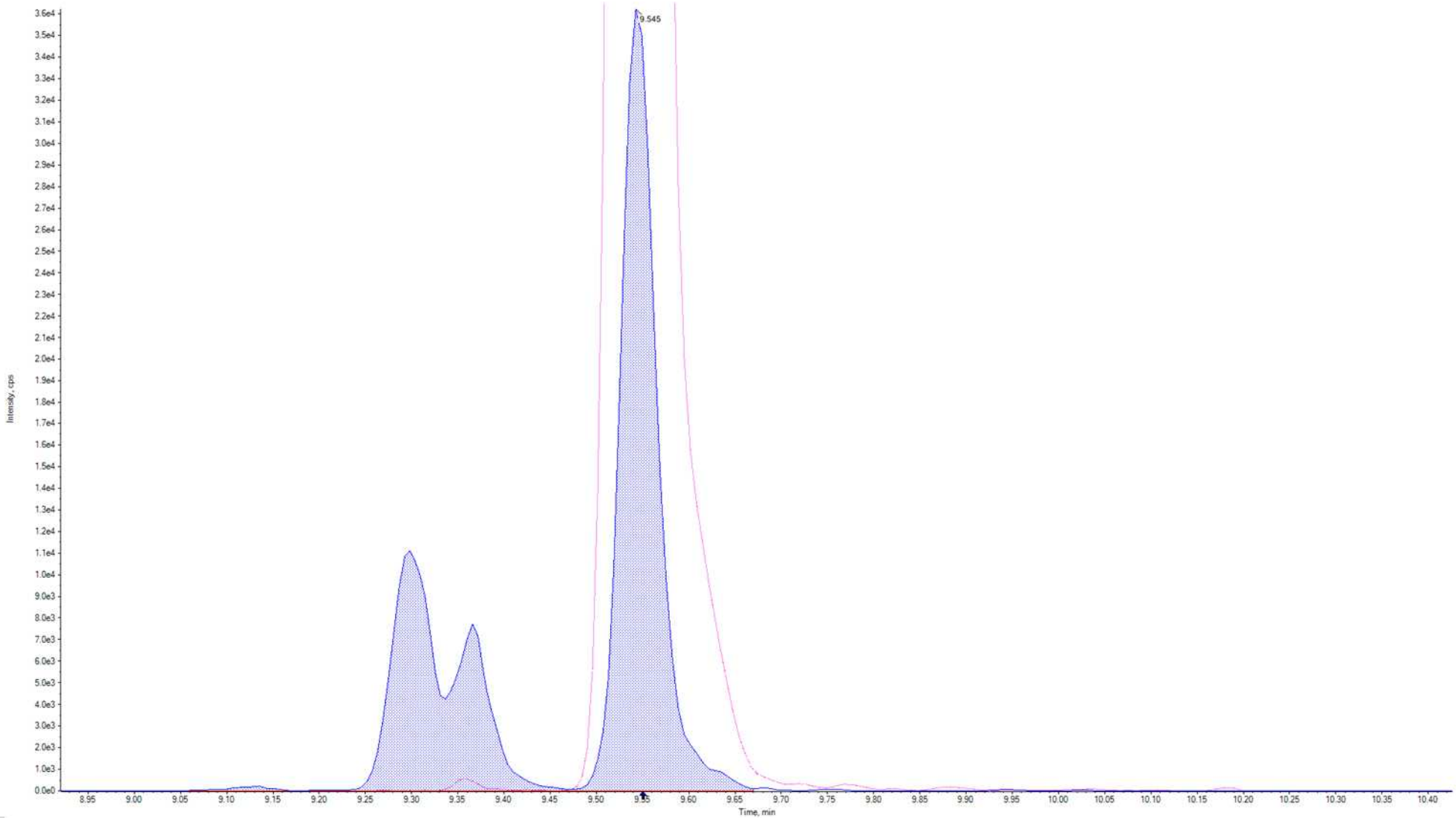
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-25 S/N:86873.1 Points Across peak:130



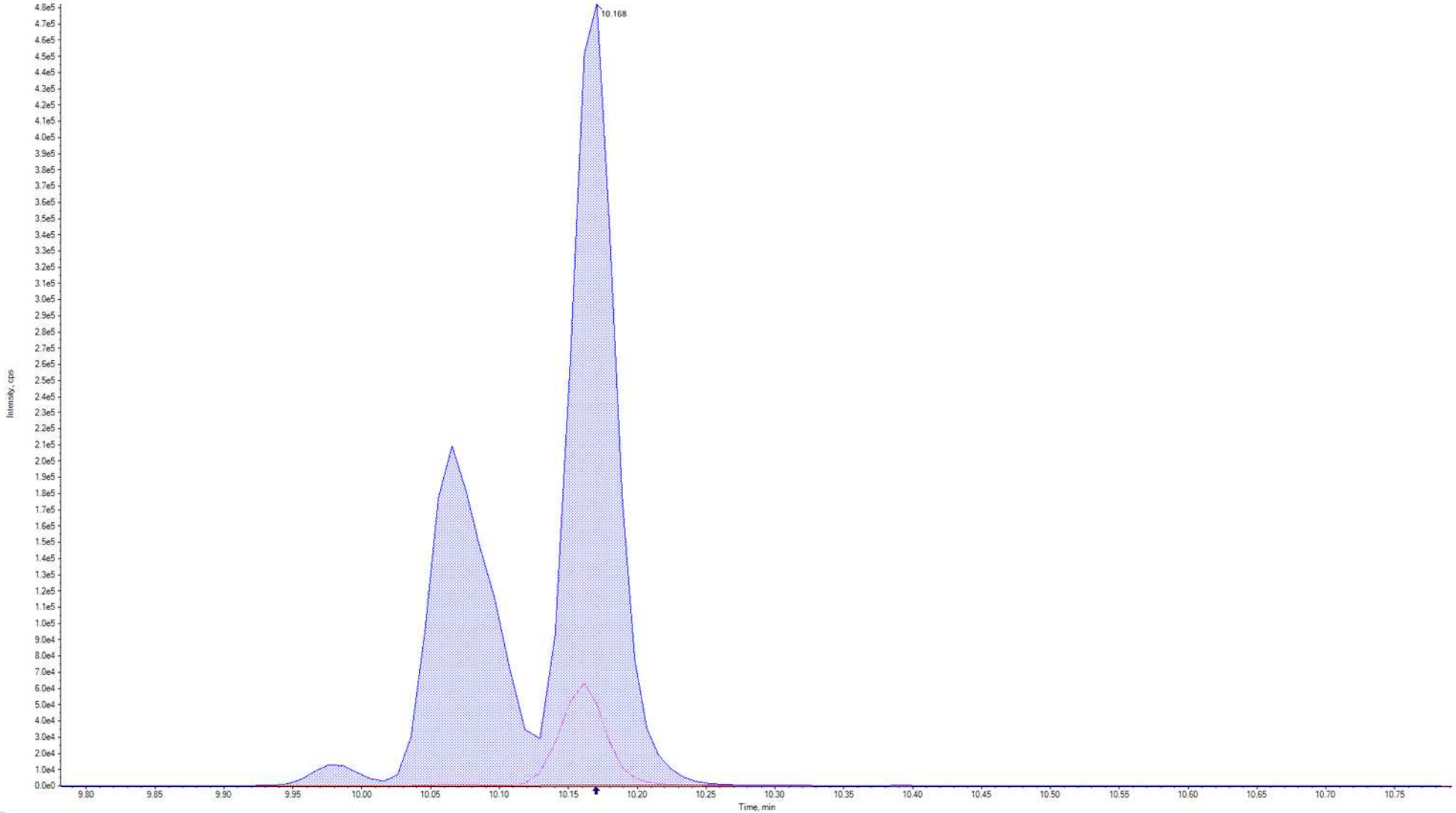
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-25 S/N:1235.2 Points Across peak:111



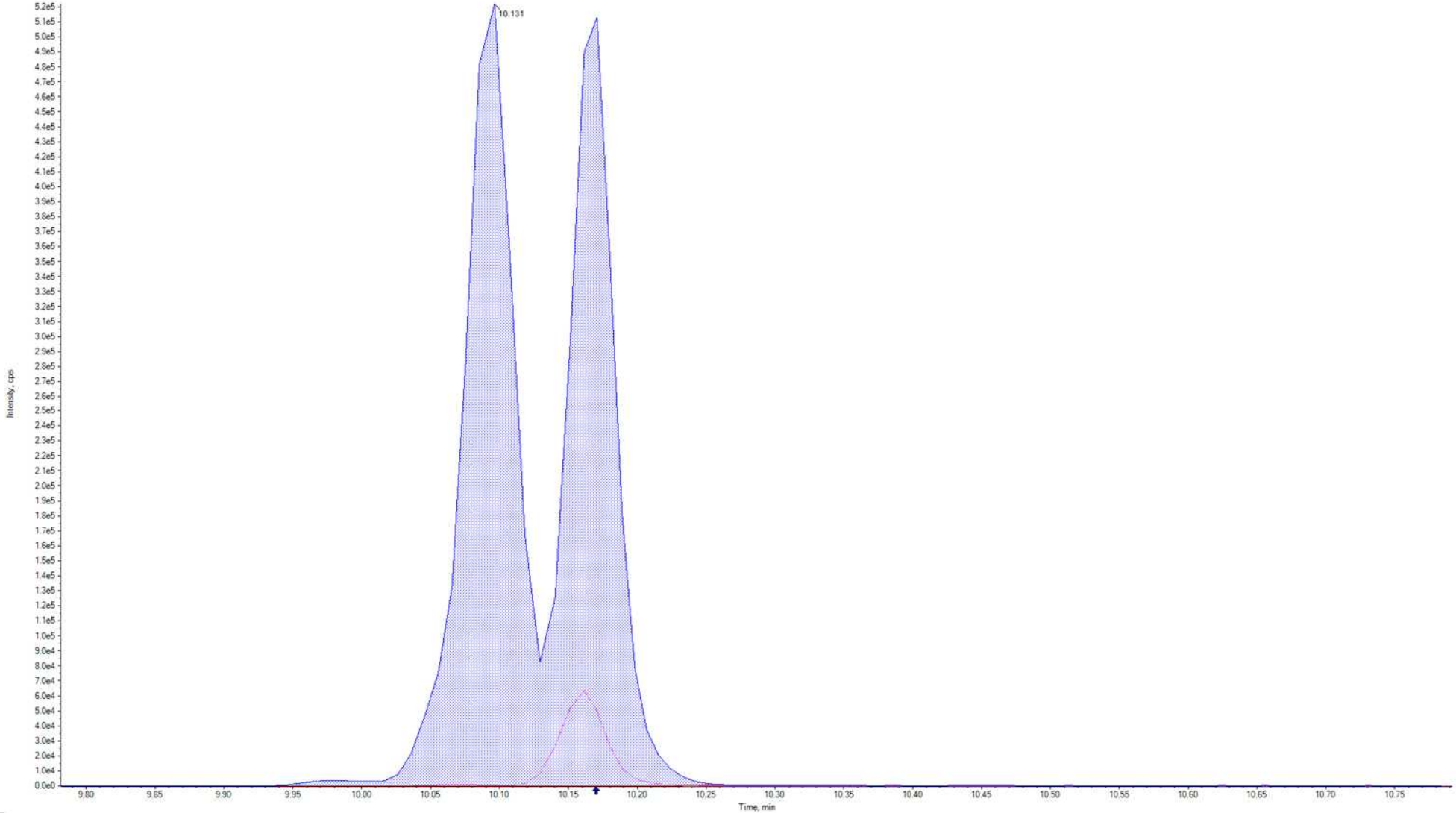
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-25 S/N:4489.5 Points Across peak:40



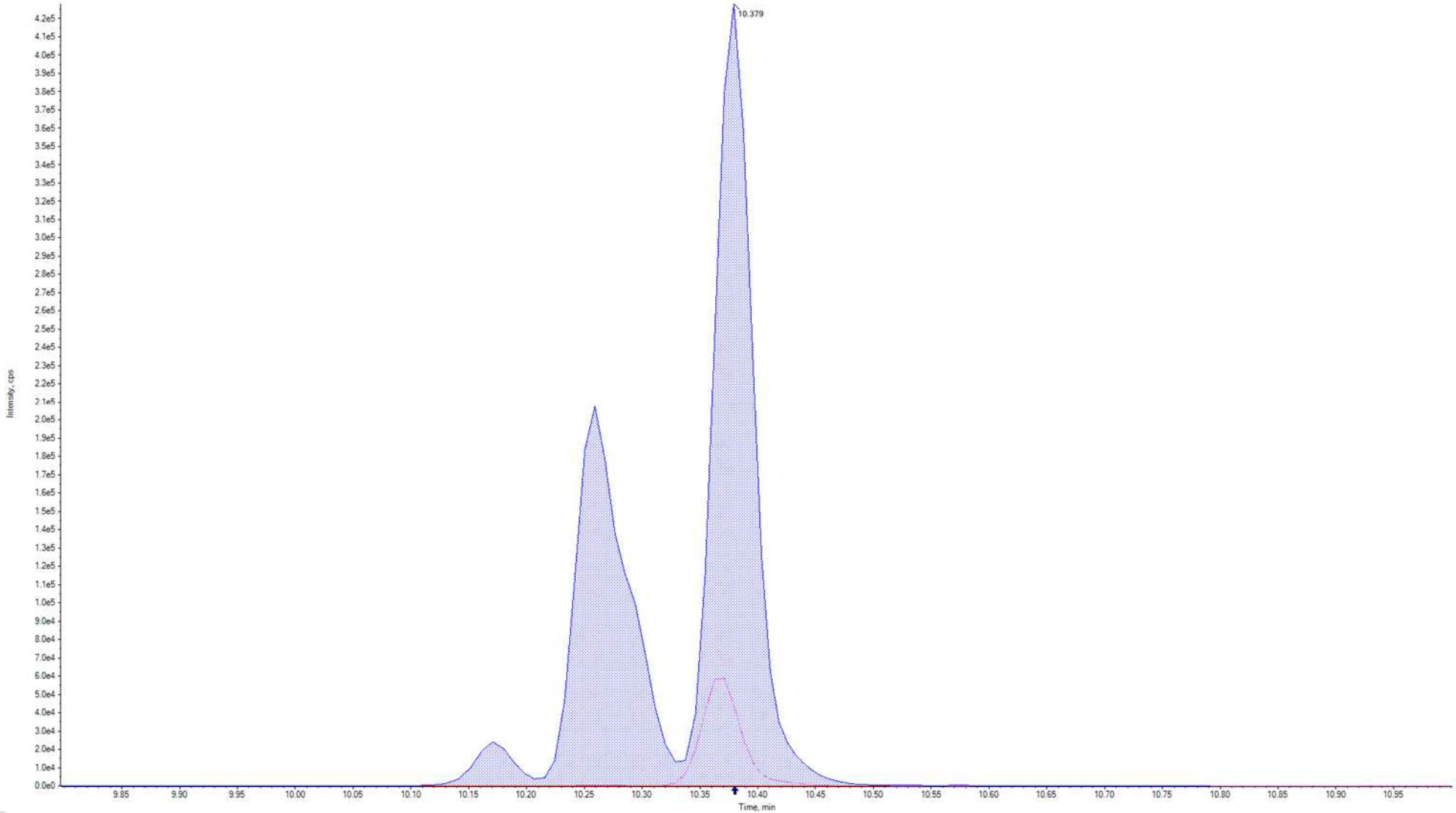
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-25 S/N:3718.5 Points Across peak:40



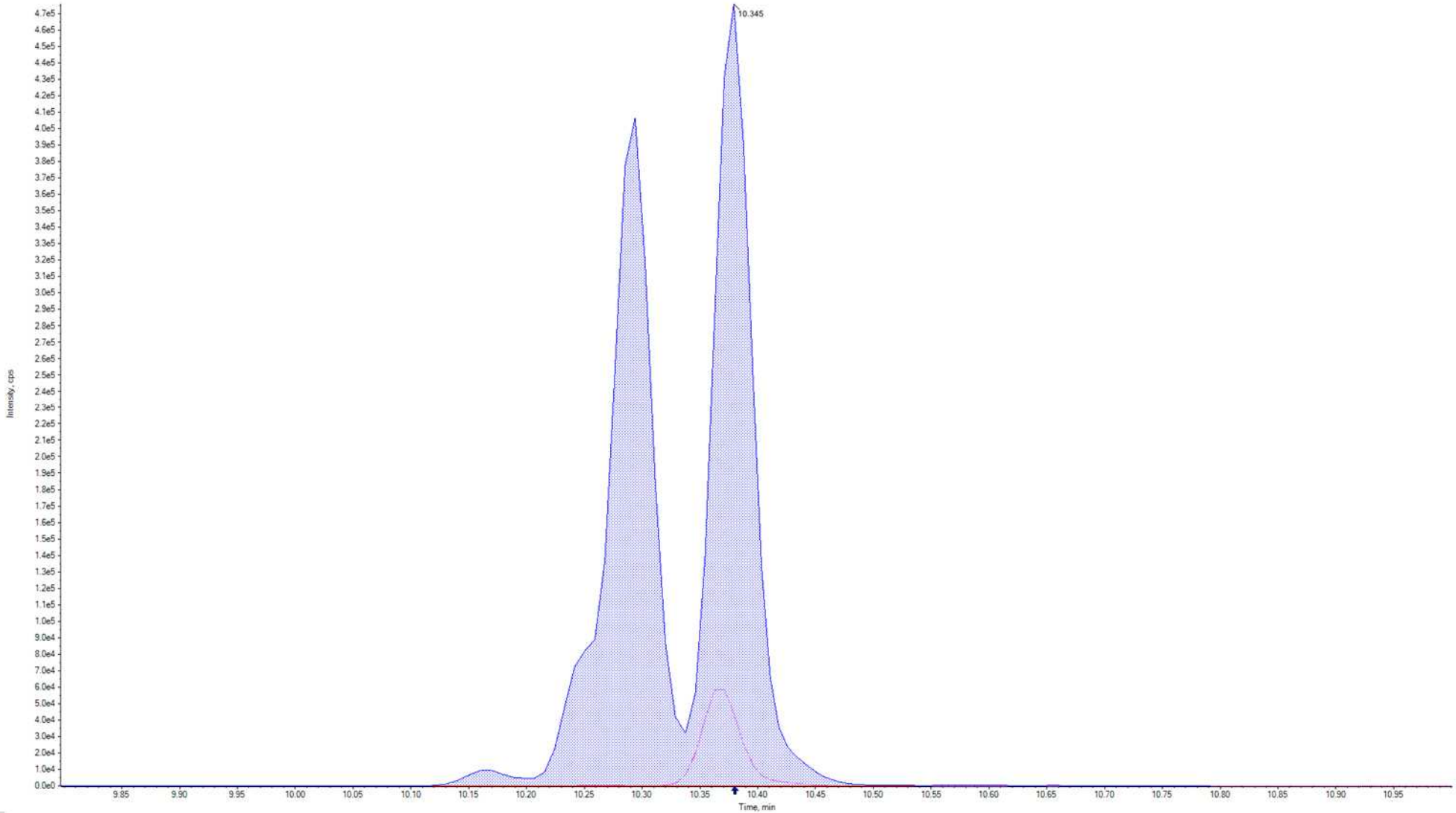
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-25 S/N:203911.8 Points Across peak:53



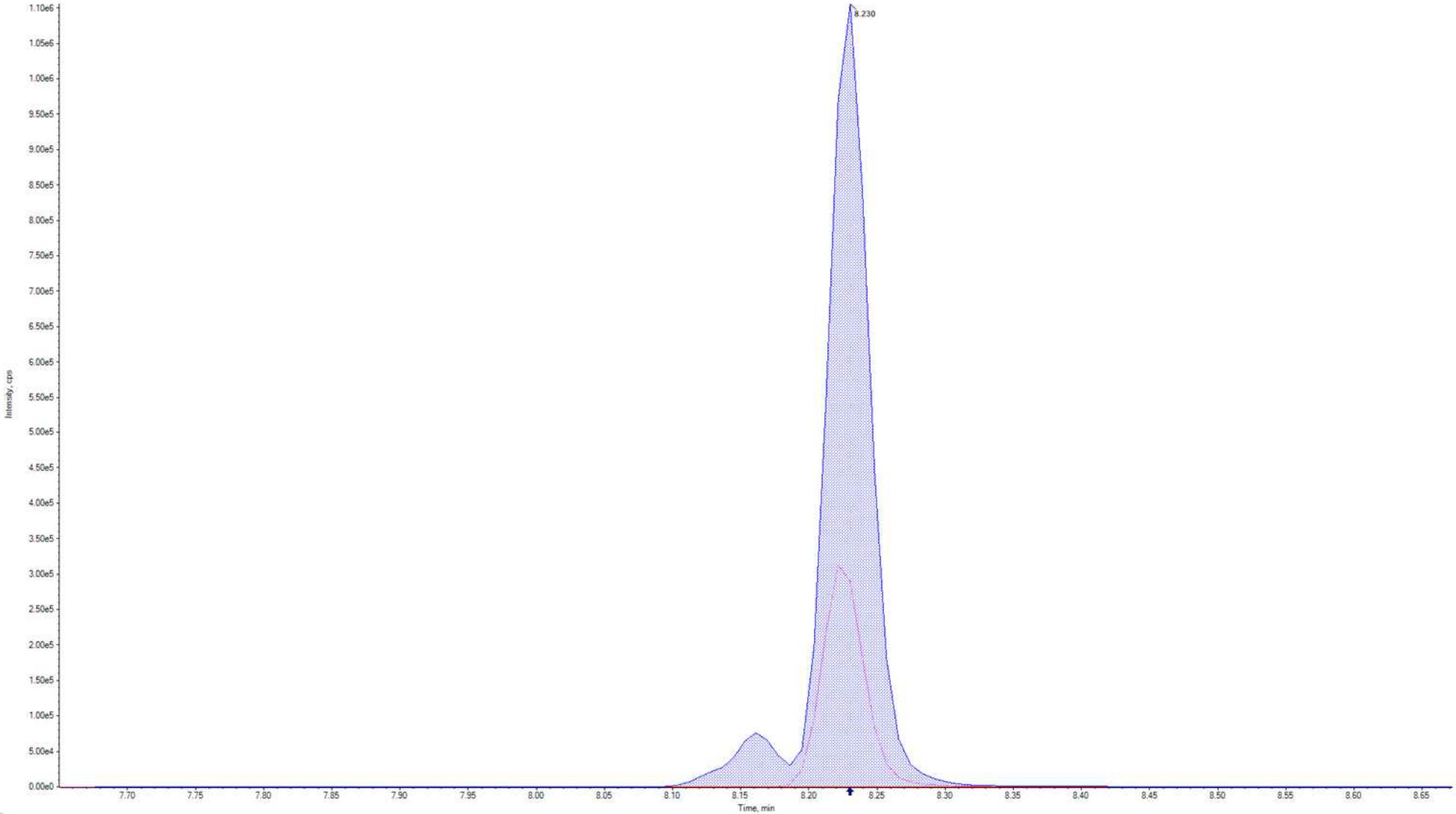
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-25 S/N:10505.6 Points Across peak:56



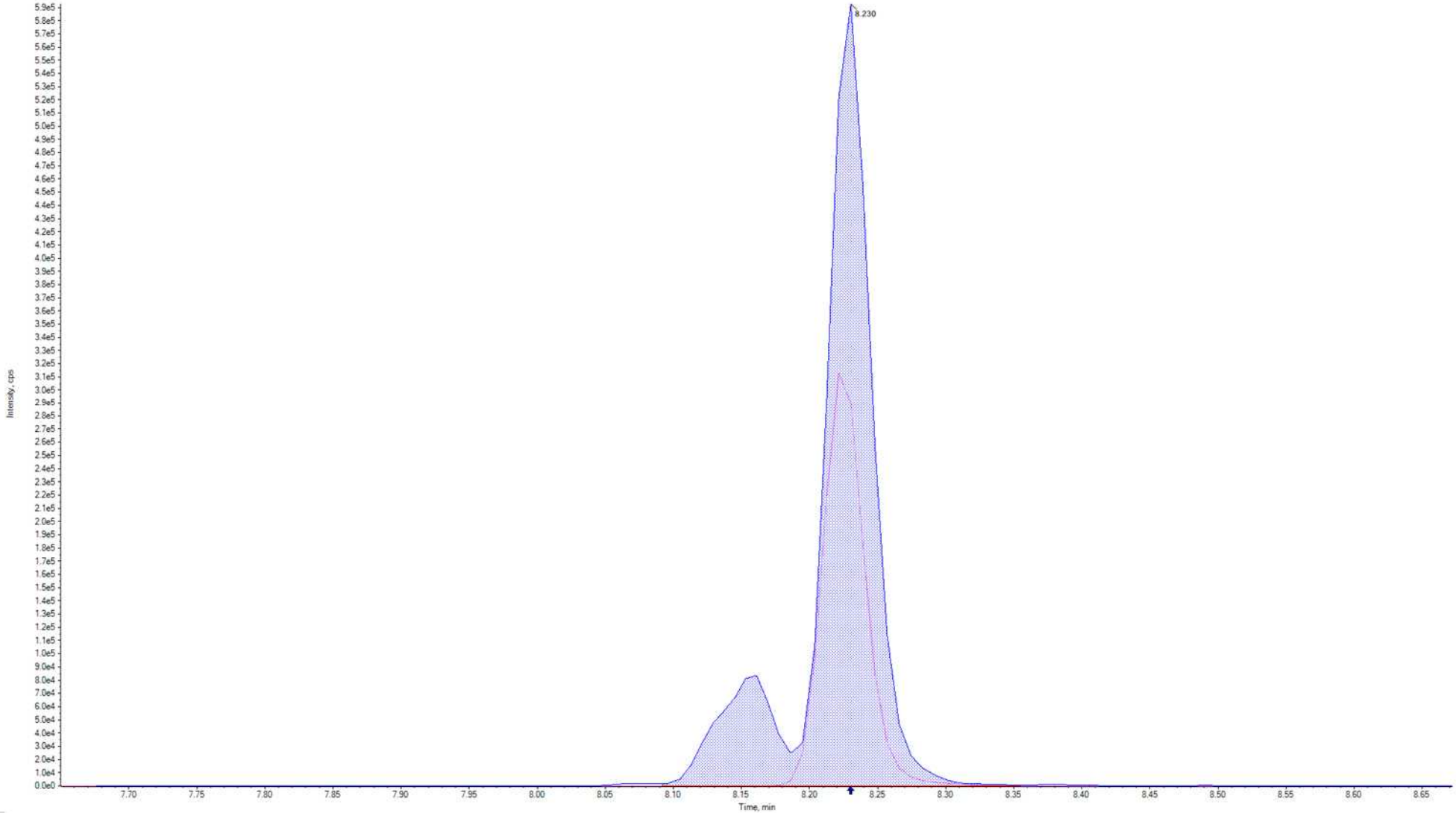
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-25 S/N:1458.8 Points Across peak:42



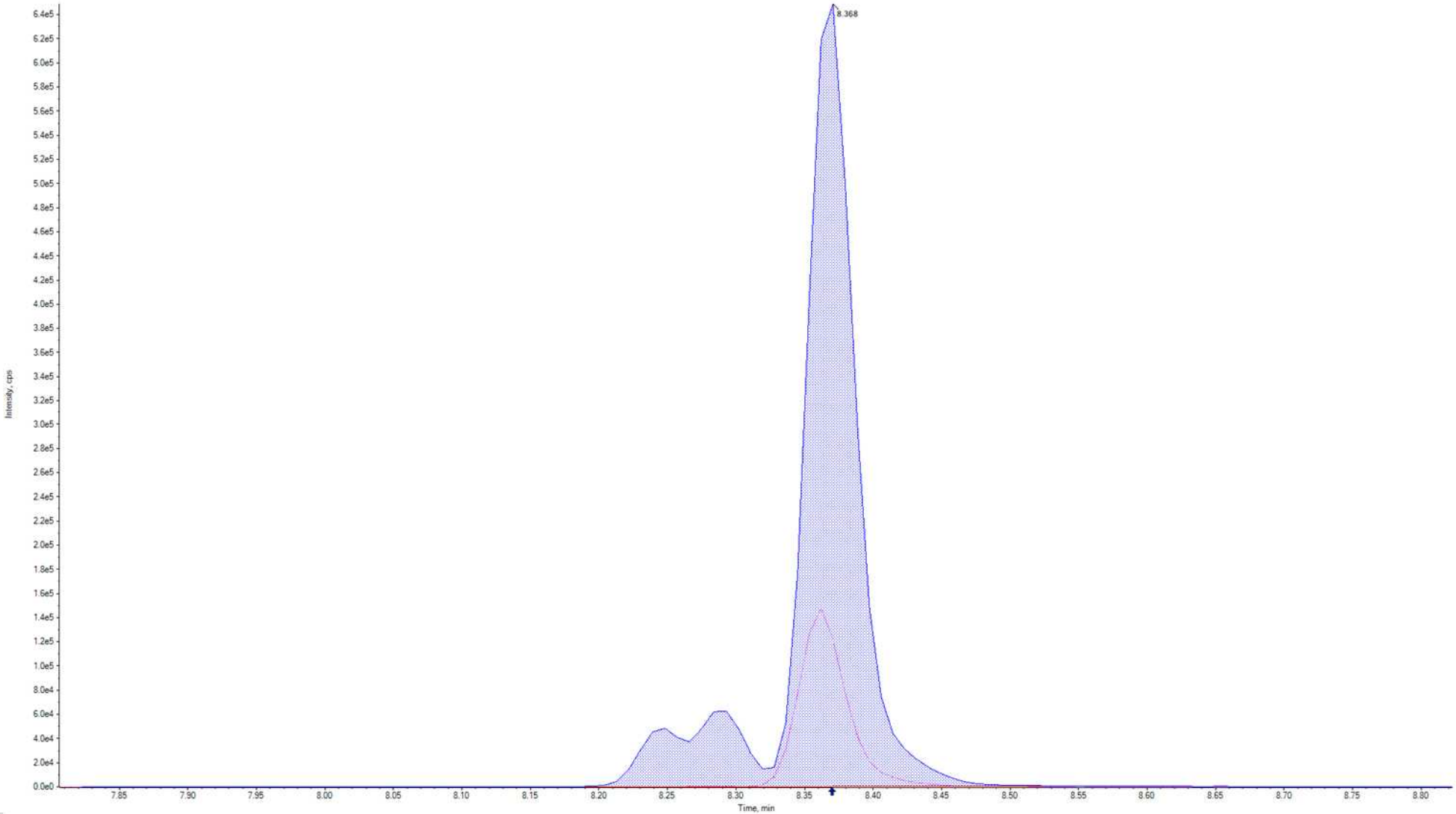
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:891.1 Points Across peak:33



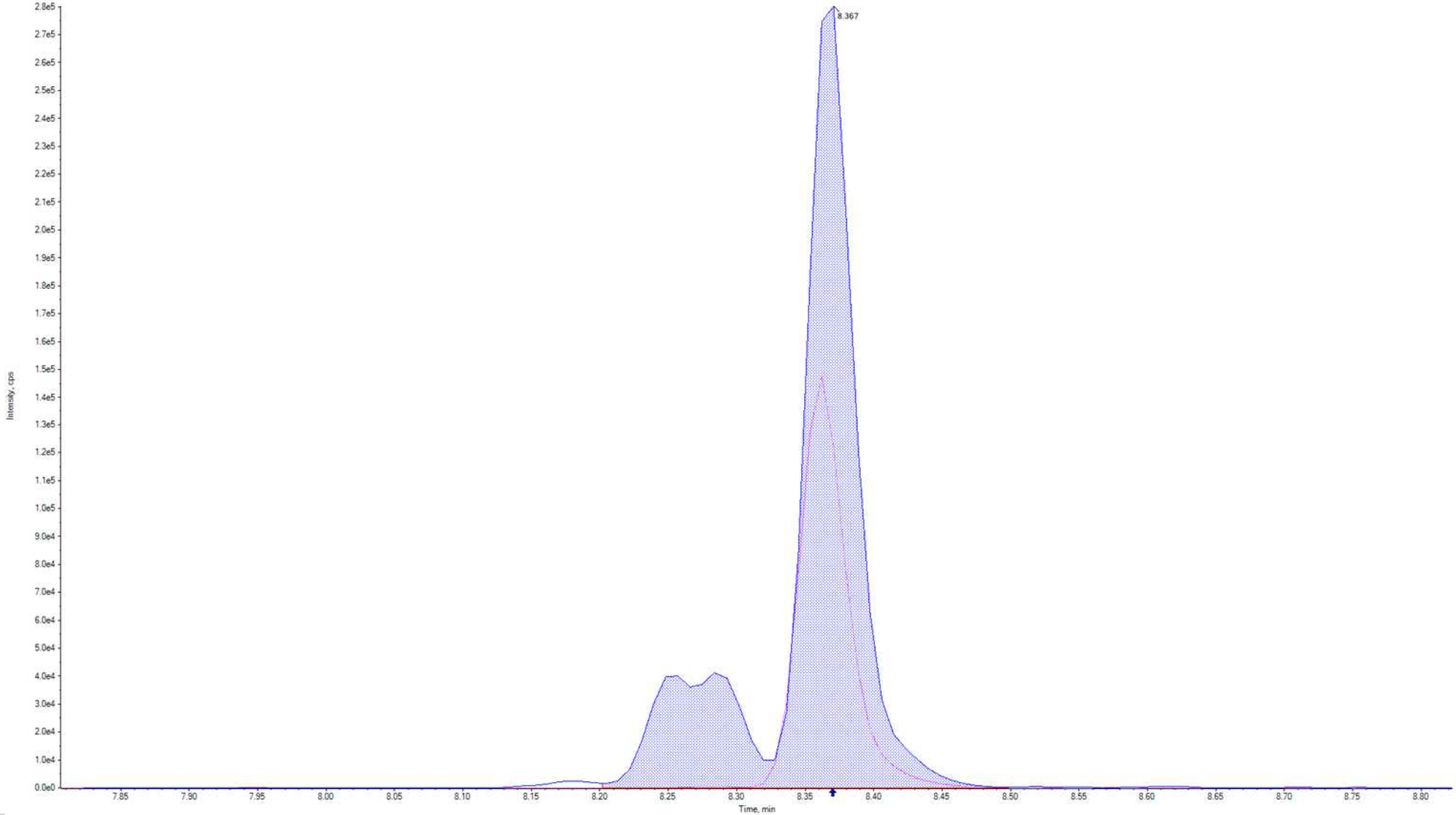
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-25 S/N:1061.5 Points Across peak:44



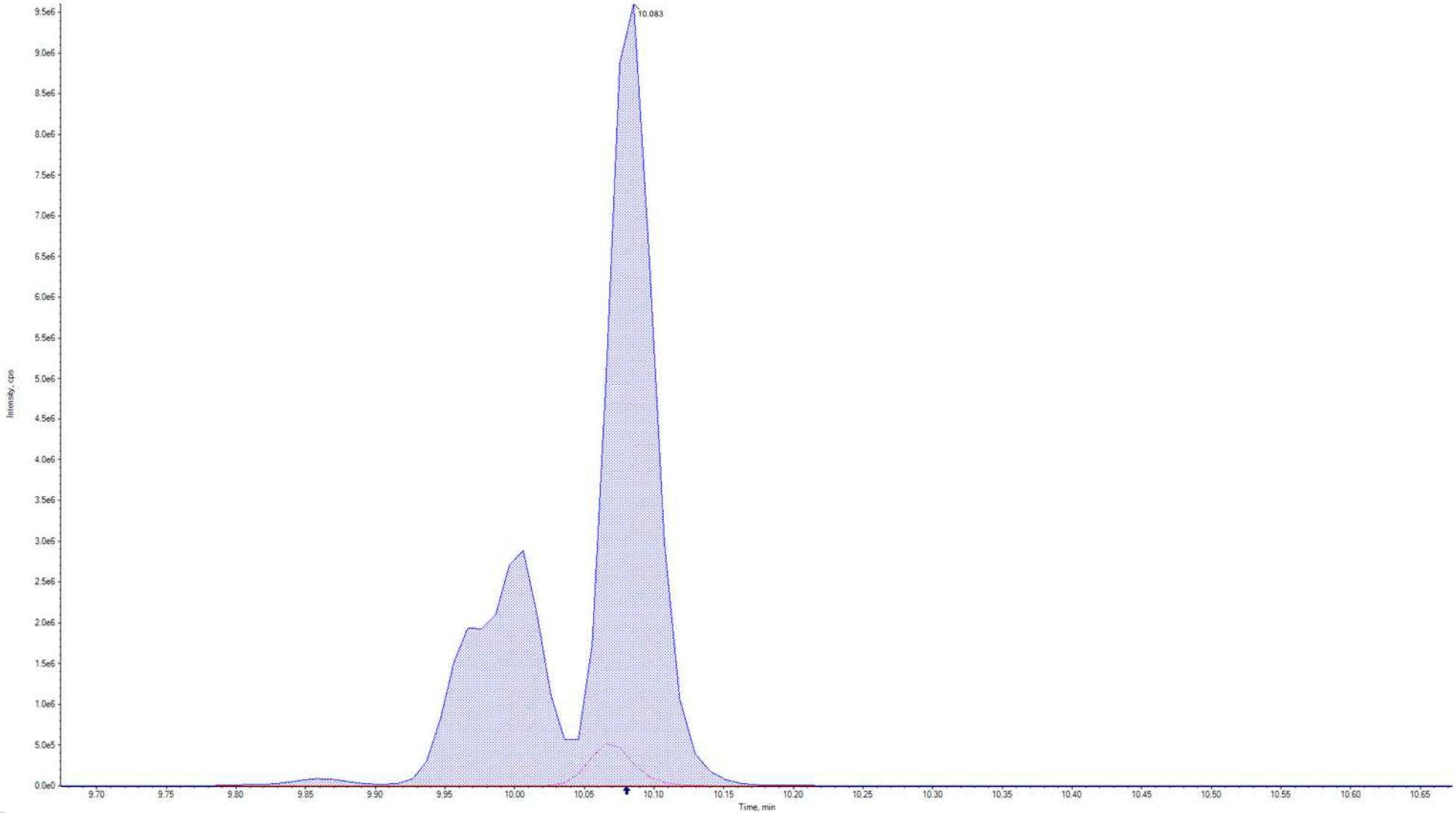
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-25 S/N:539.3 Points Across peak:36



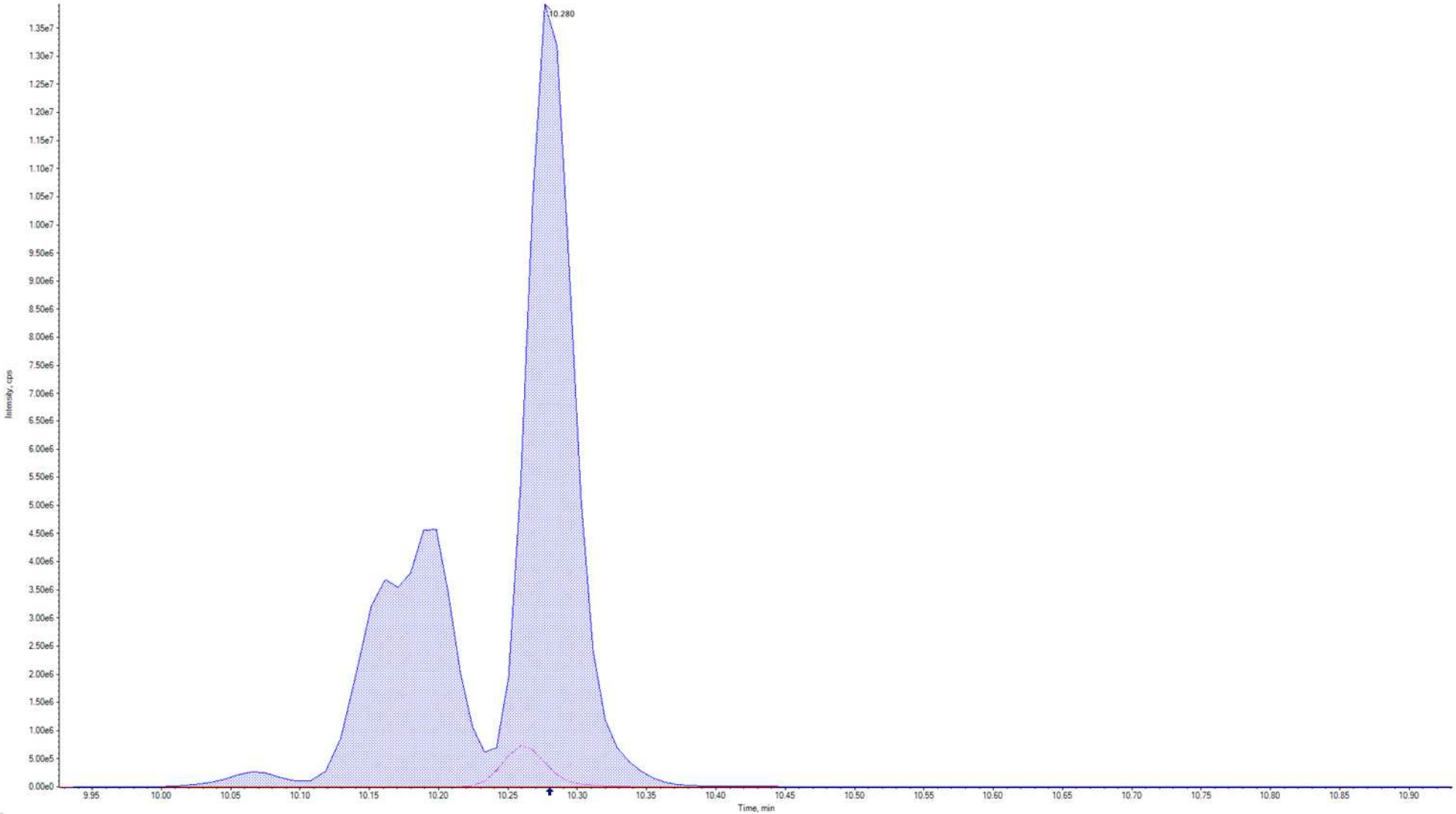
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-25 S/N:10770.8 Points Across peak:63



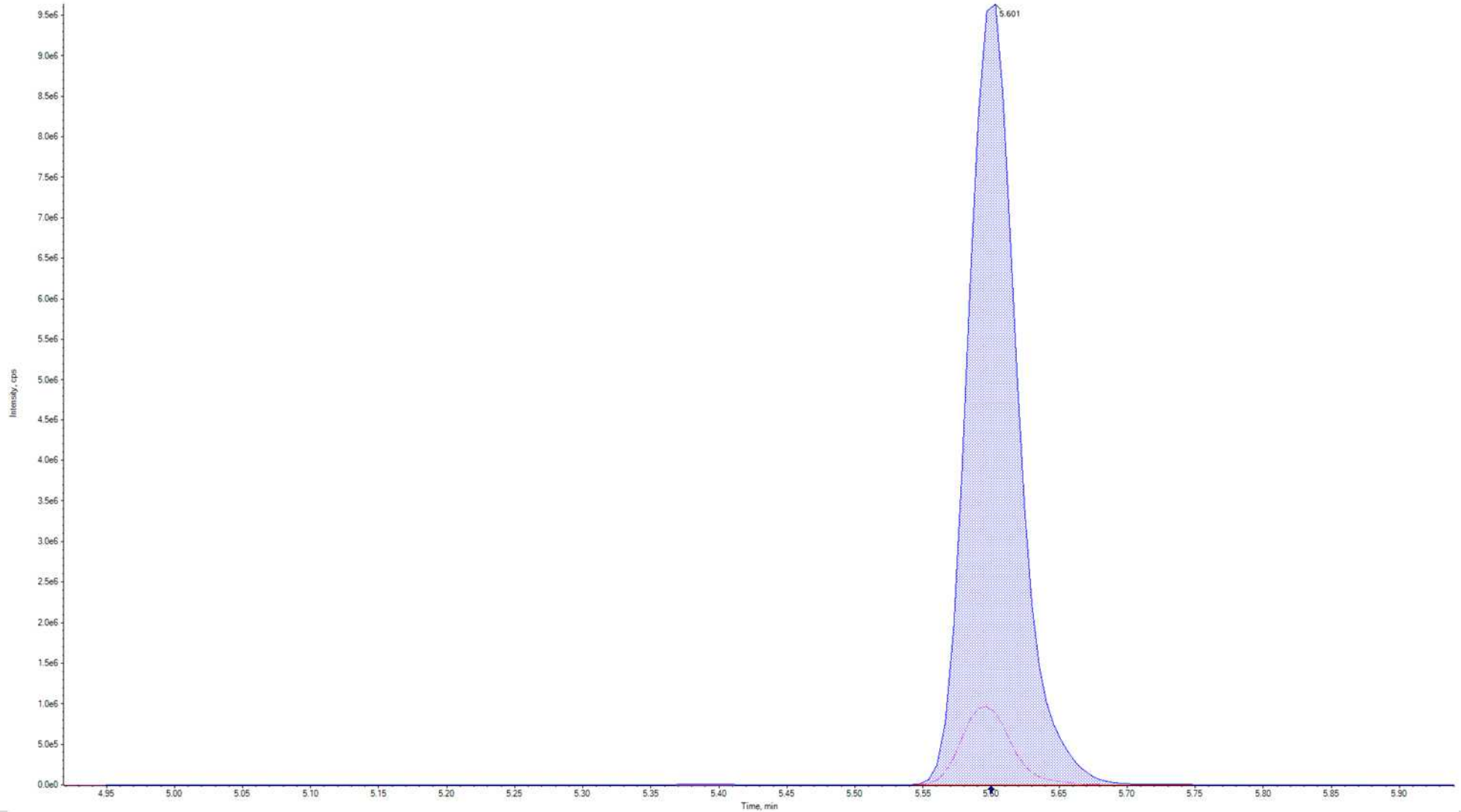
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-25 S/N:4971.7 Points Across peak:60



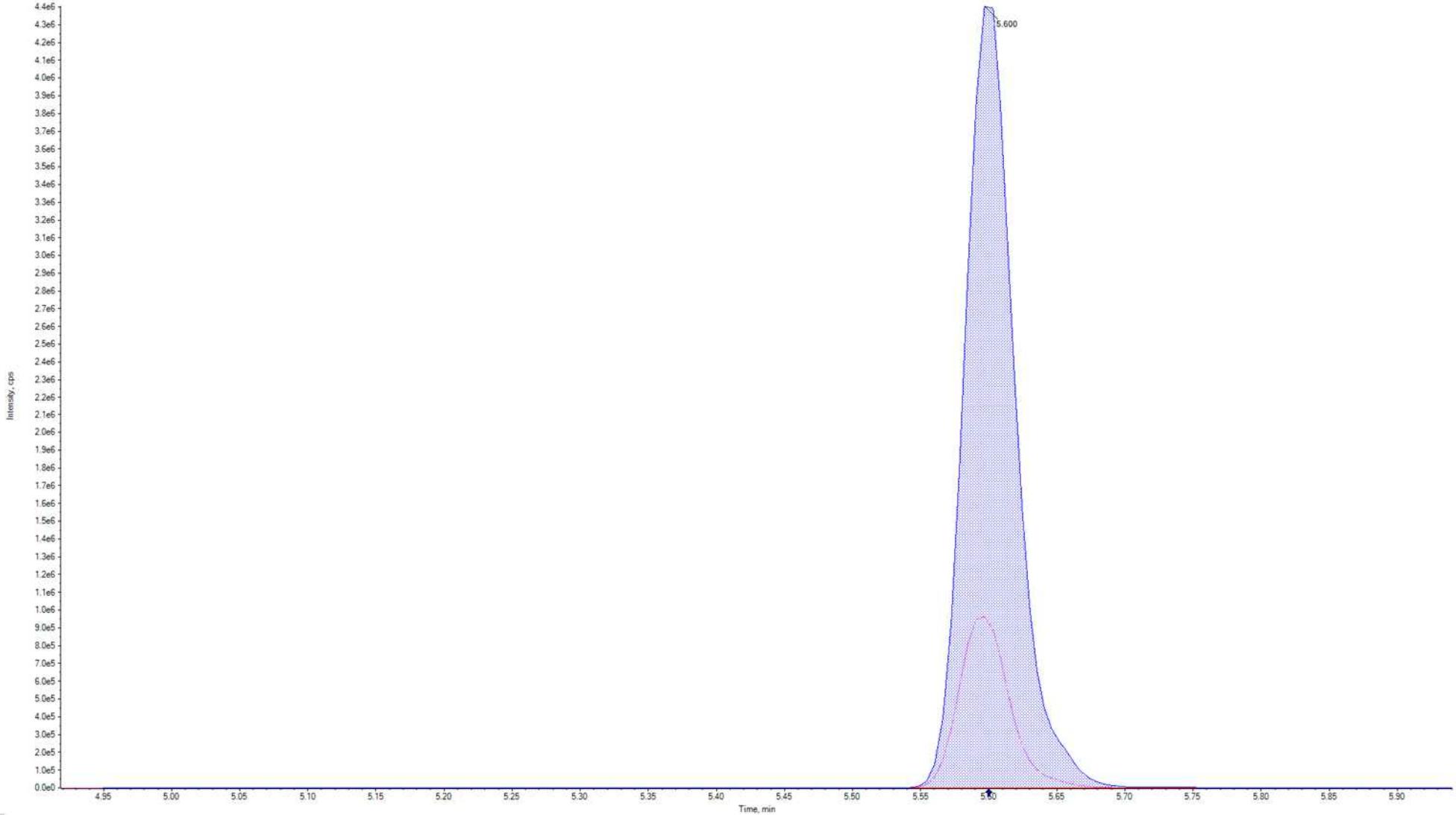
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-25 S/N:38611.0 Points Across peak:56



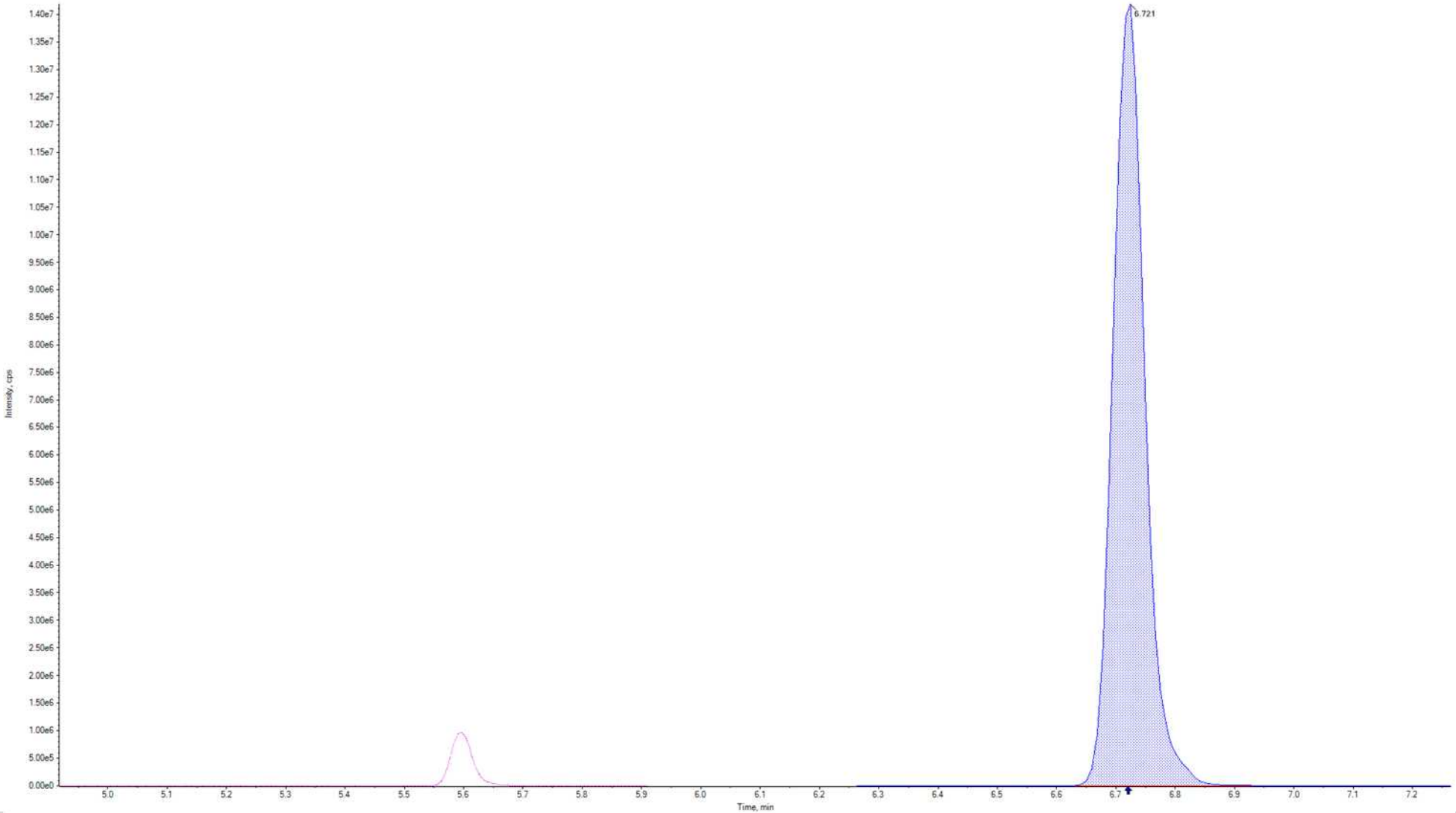
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-25 S/N:16624.9 Points Across peak:53



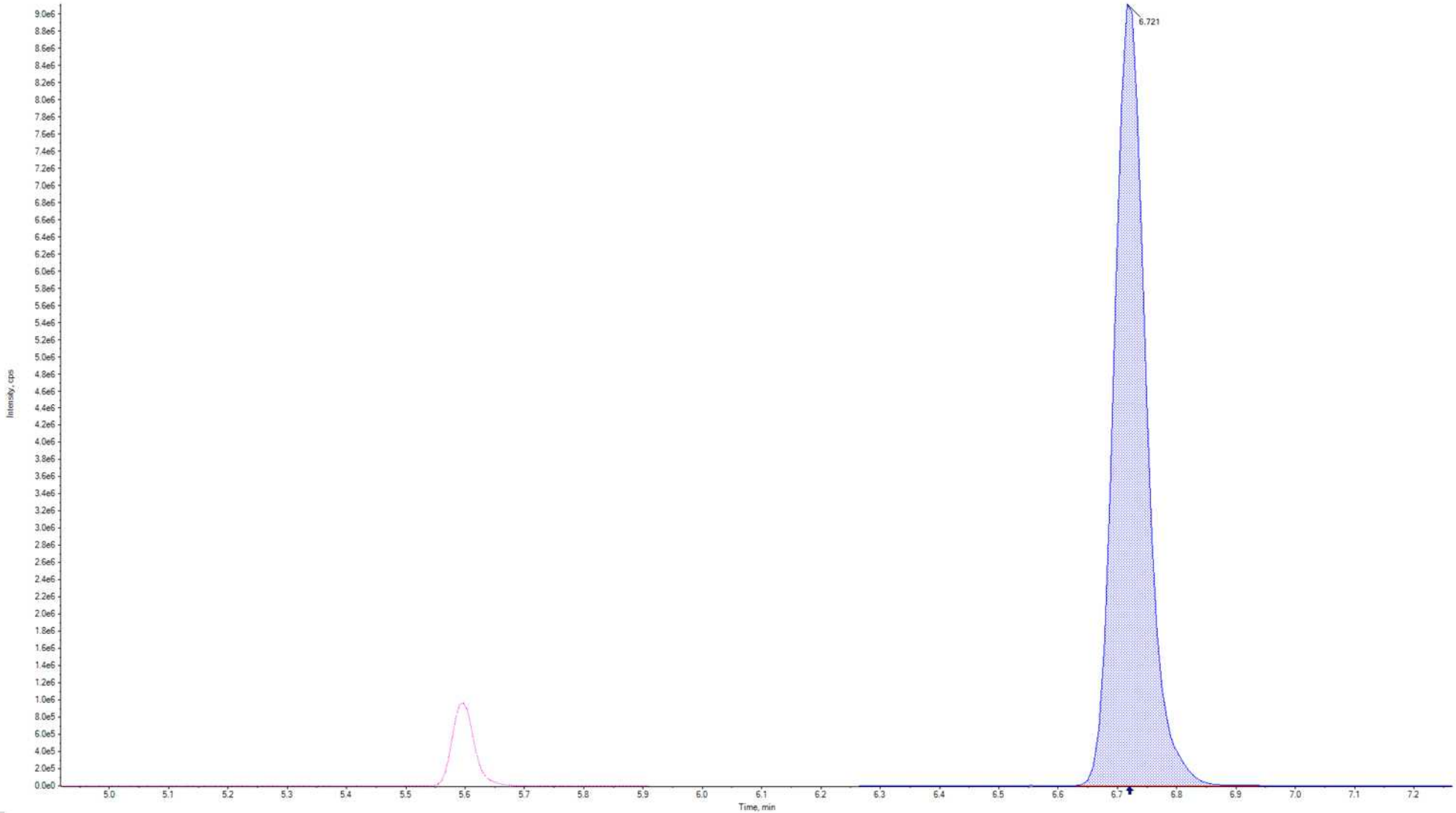
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-25 S/N:25828.2 Points Across peak:47



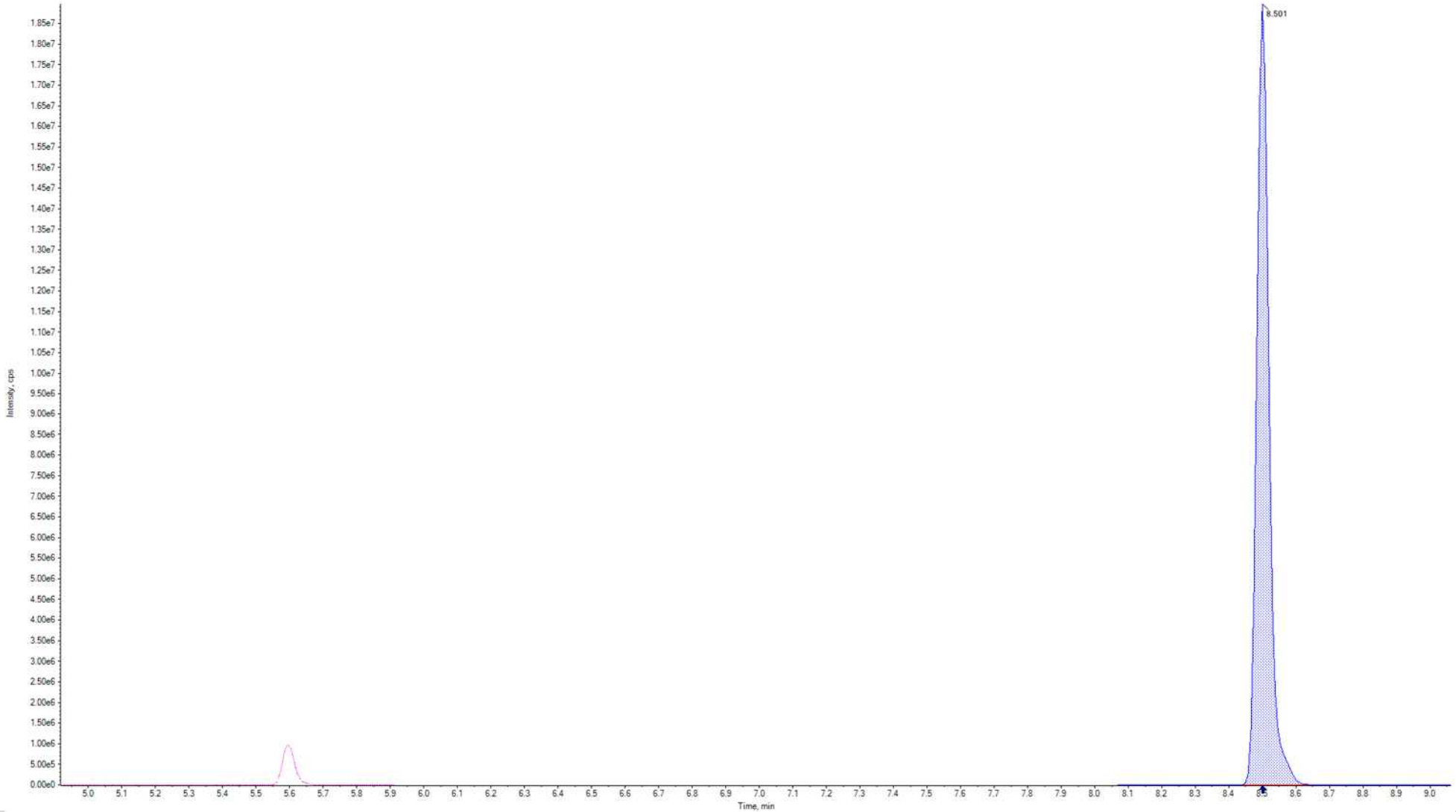
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-25 S/N:29993.7 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-25 S/N:96371.0 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:1289348.6 Points Across peak:39

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

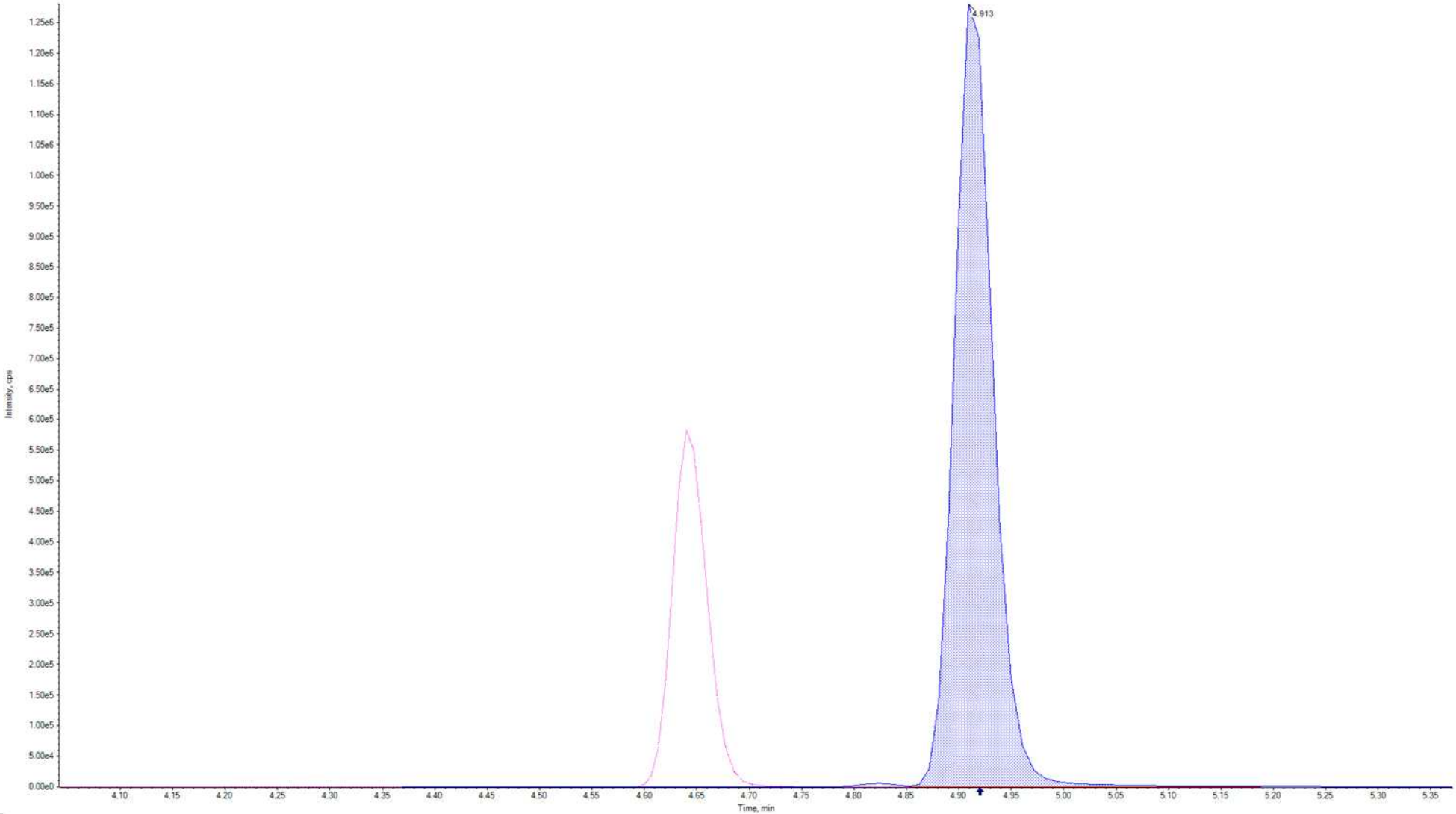
11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:101213.8 Points Across peak:49

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:235146.5 Points Across peak:51

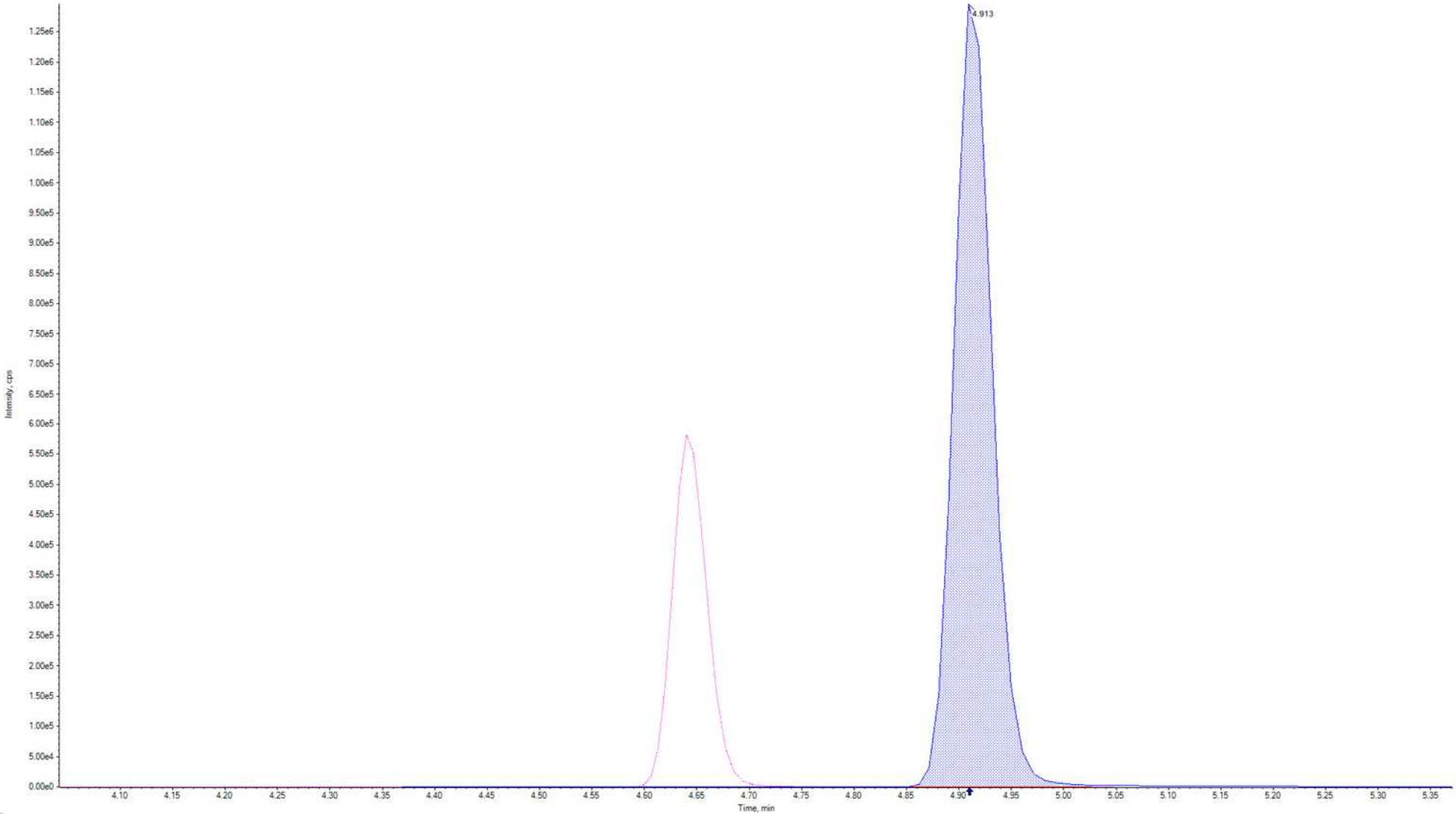
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-25 S/N:480675.0 Points Across peak:36



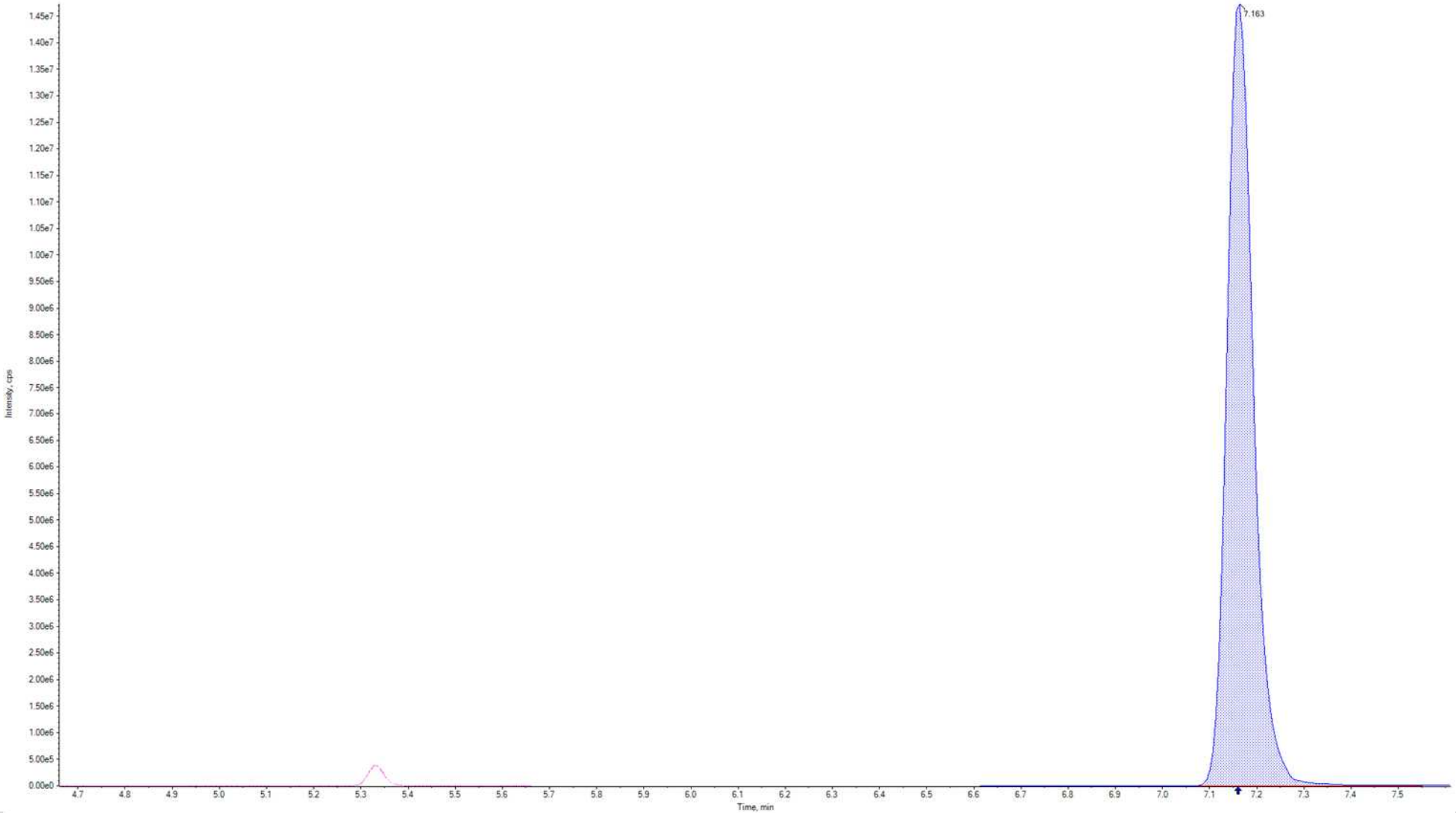
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-25 S/N:5732.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA
Sample: IA1633STD-25 S/N:27228.4 Points Across peak:85

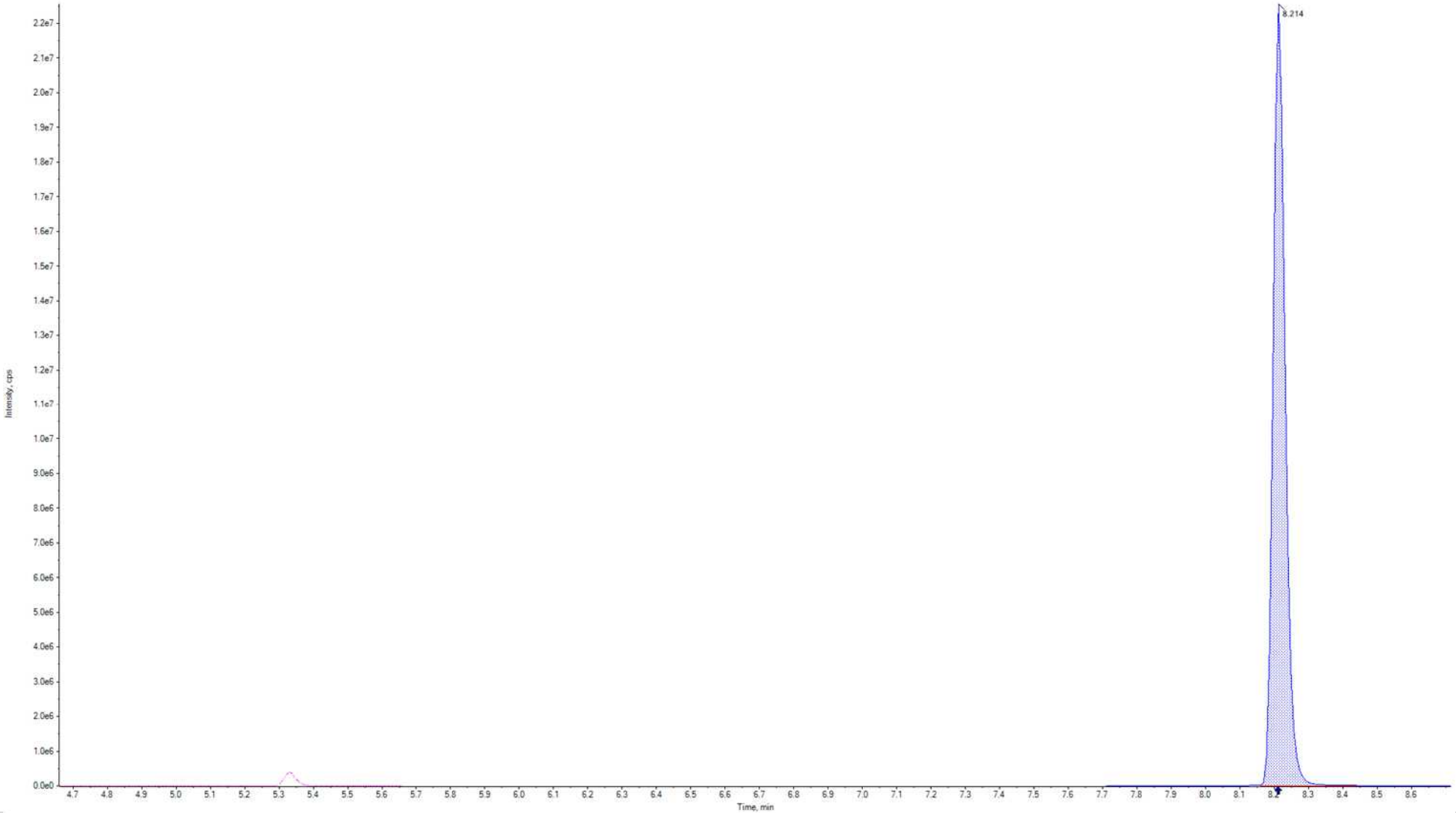


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-25 S/N:27038.7 Points Across peak:74

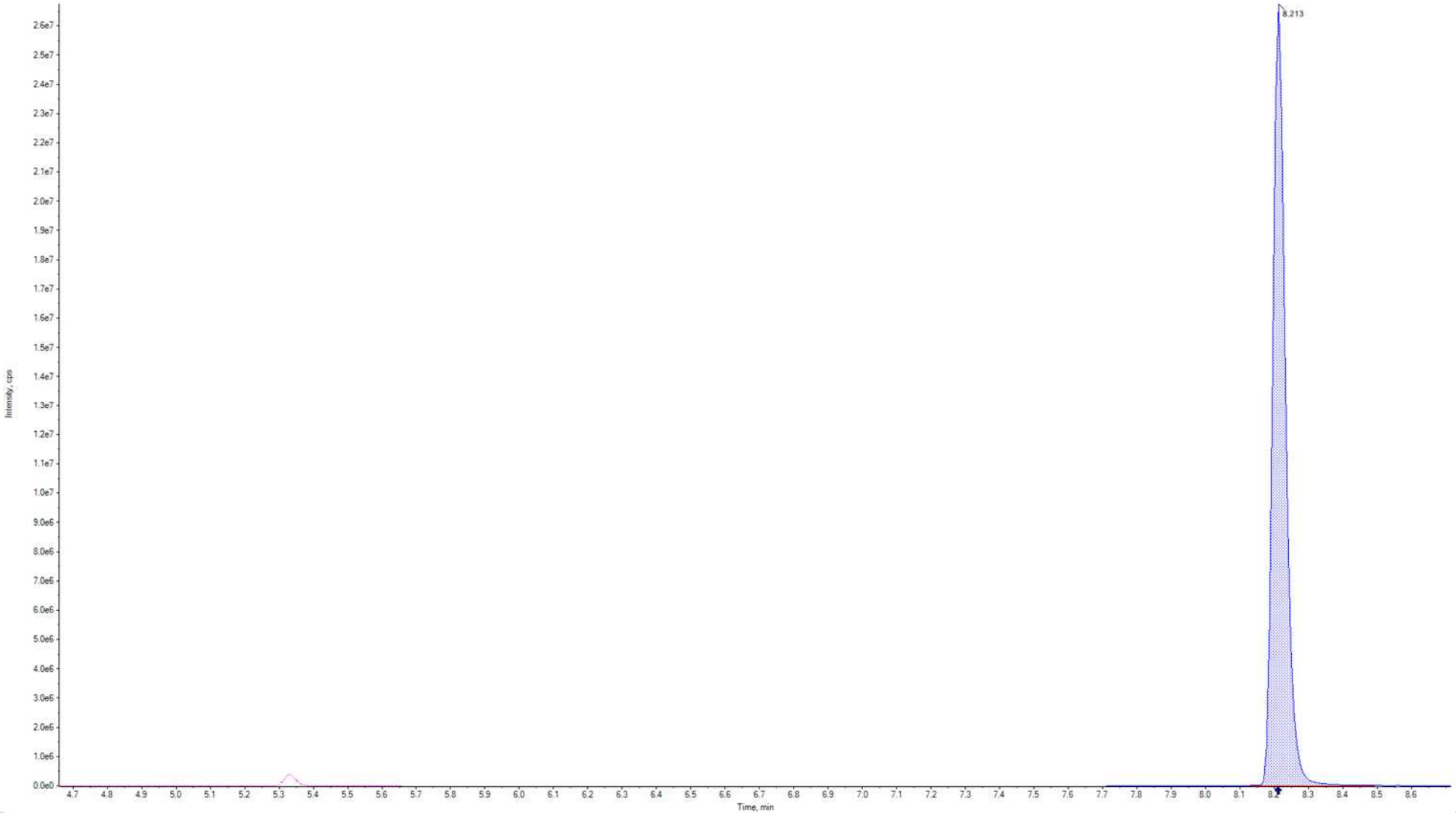
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-25 S/N:38567.0 Points Across peak:49



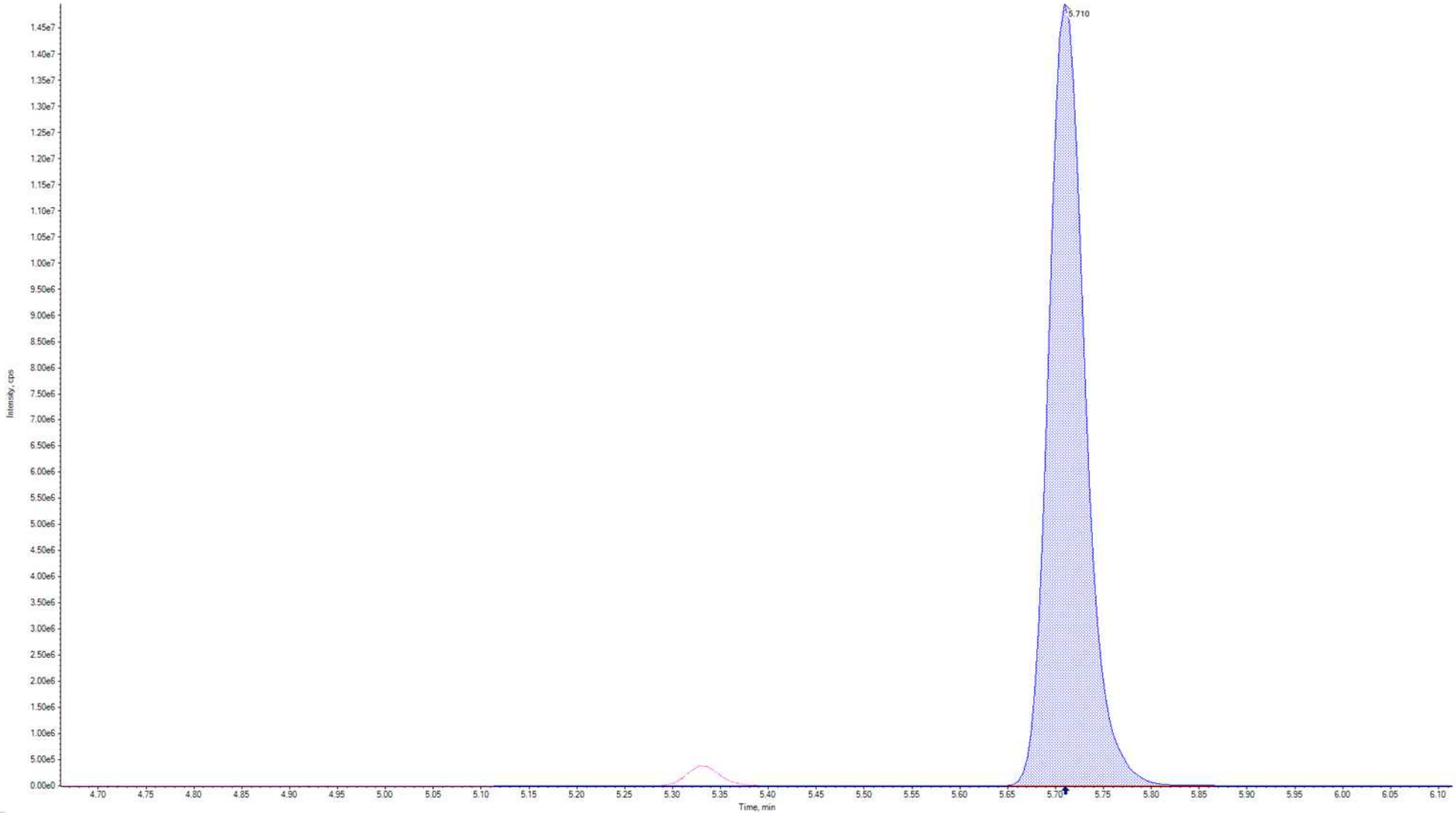
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-25 S/N:17409.8 Points Across peak:47



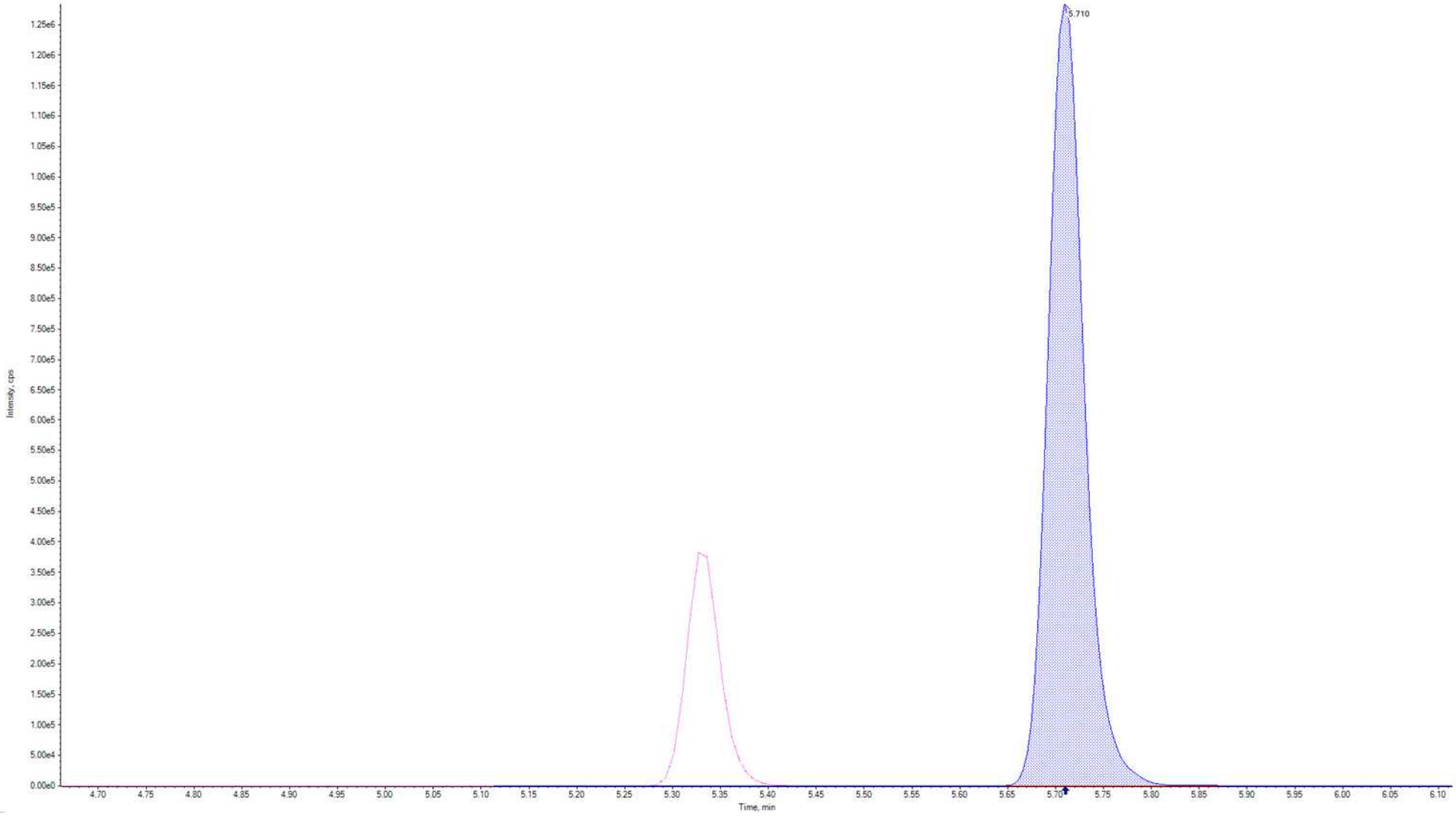
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-25 S/N:44053.1 Points Across peak:61



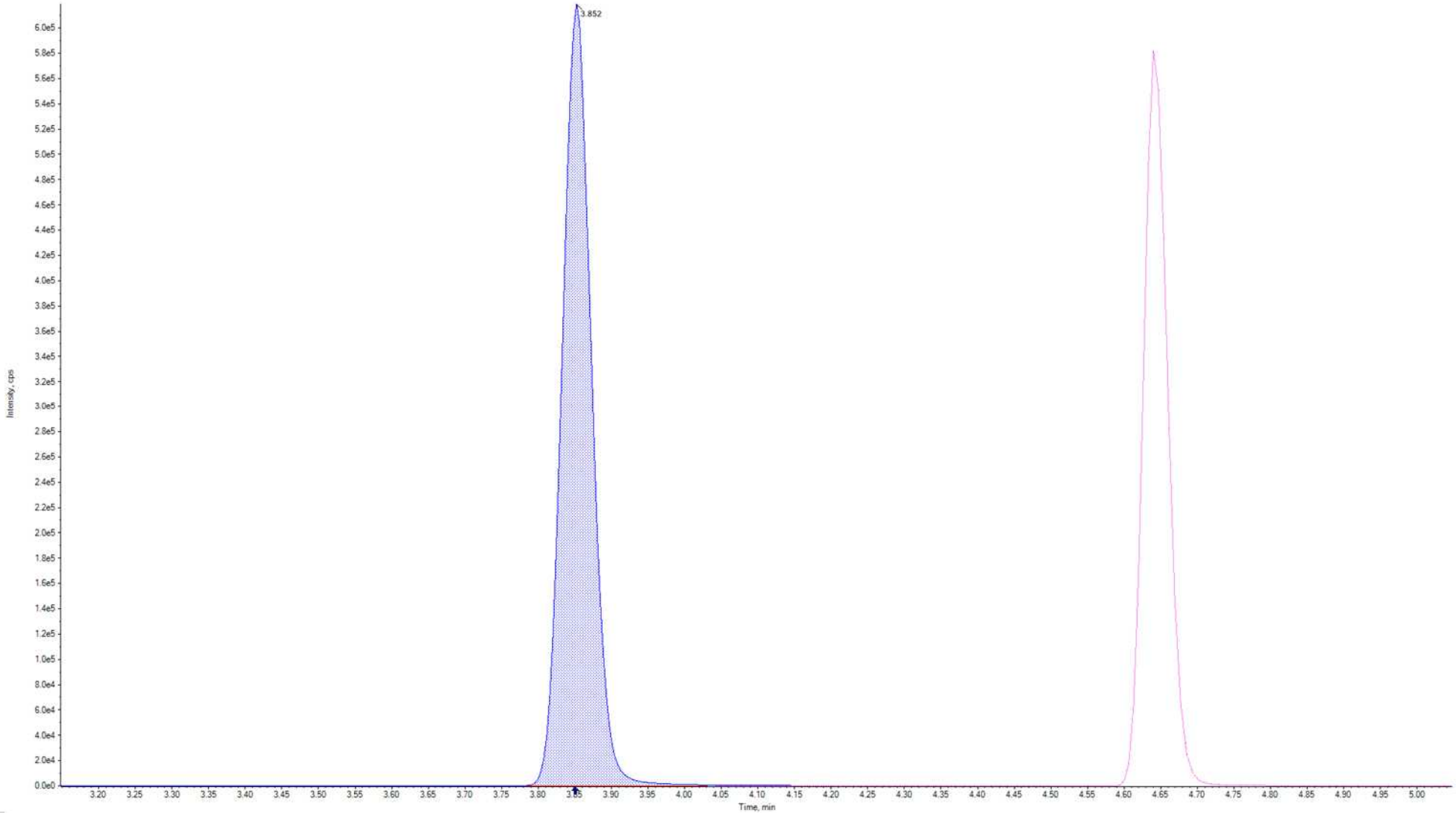
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-25 S/N:18454.5 Points Across peak:55



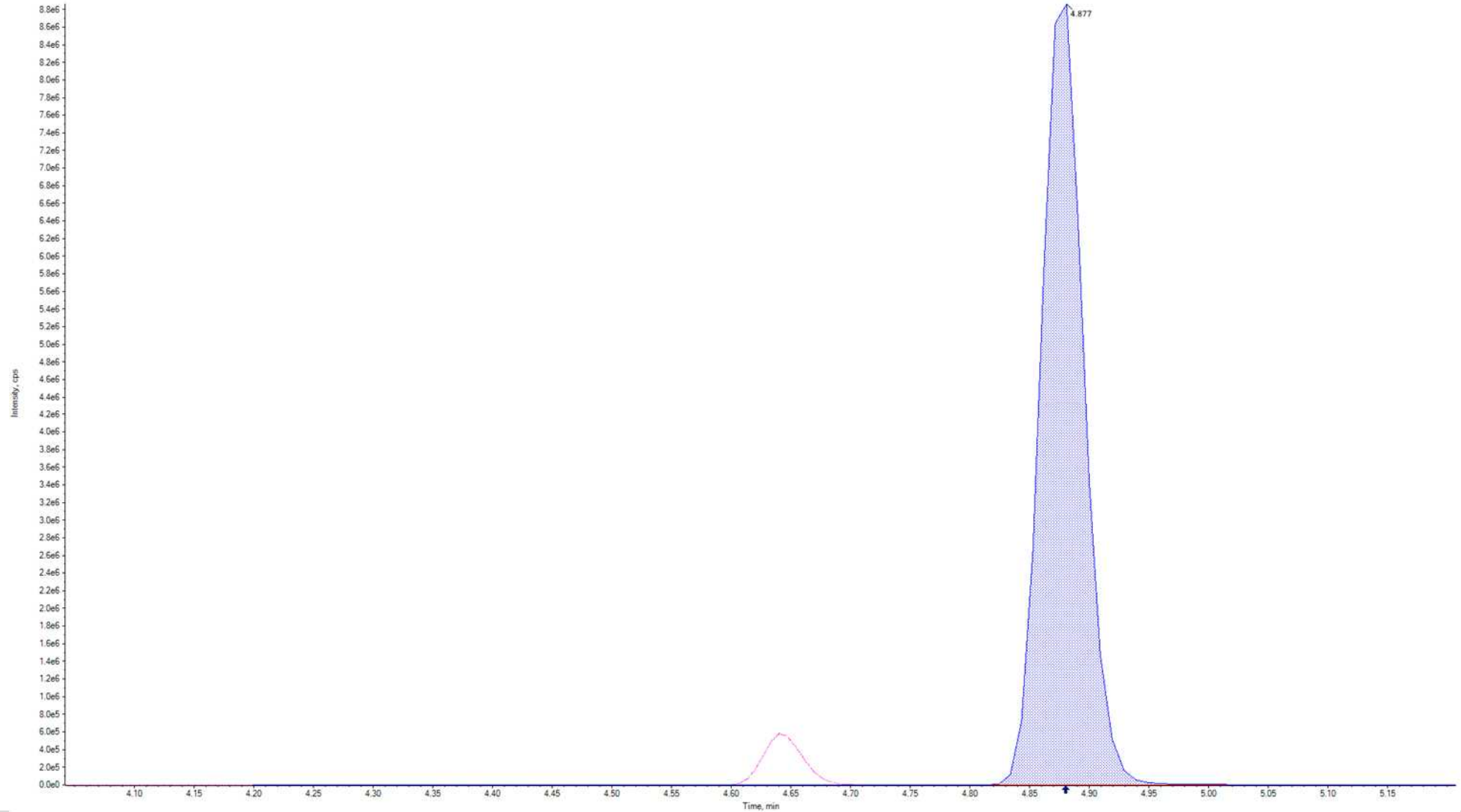
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-25 S/N:10710.8 Points Across peak:66



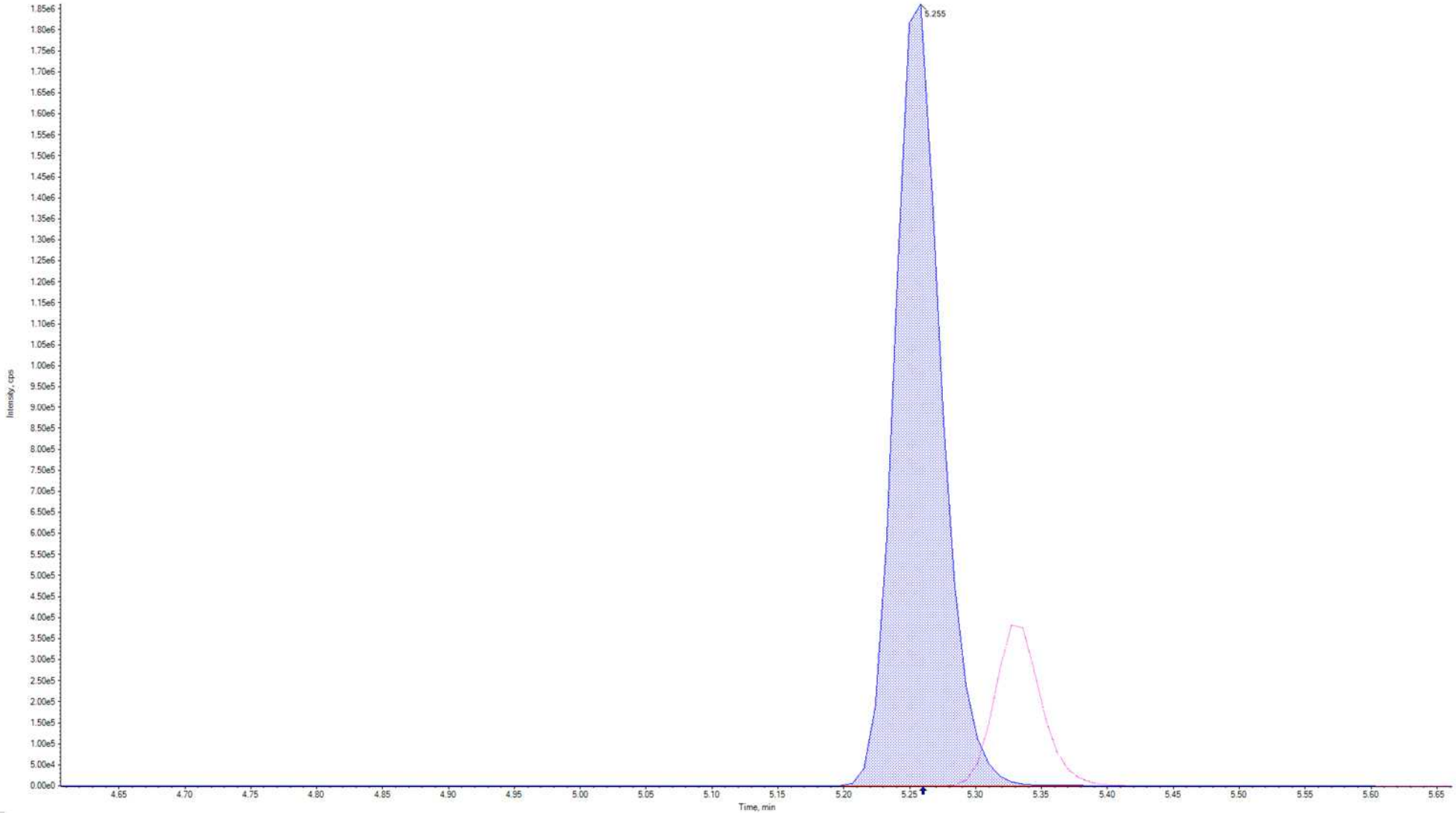
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-25 S/N:18615.6 Points Across peak:36



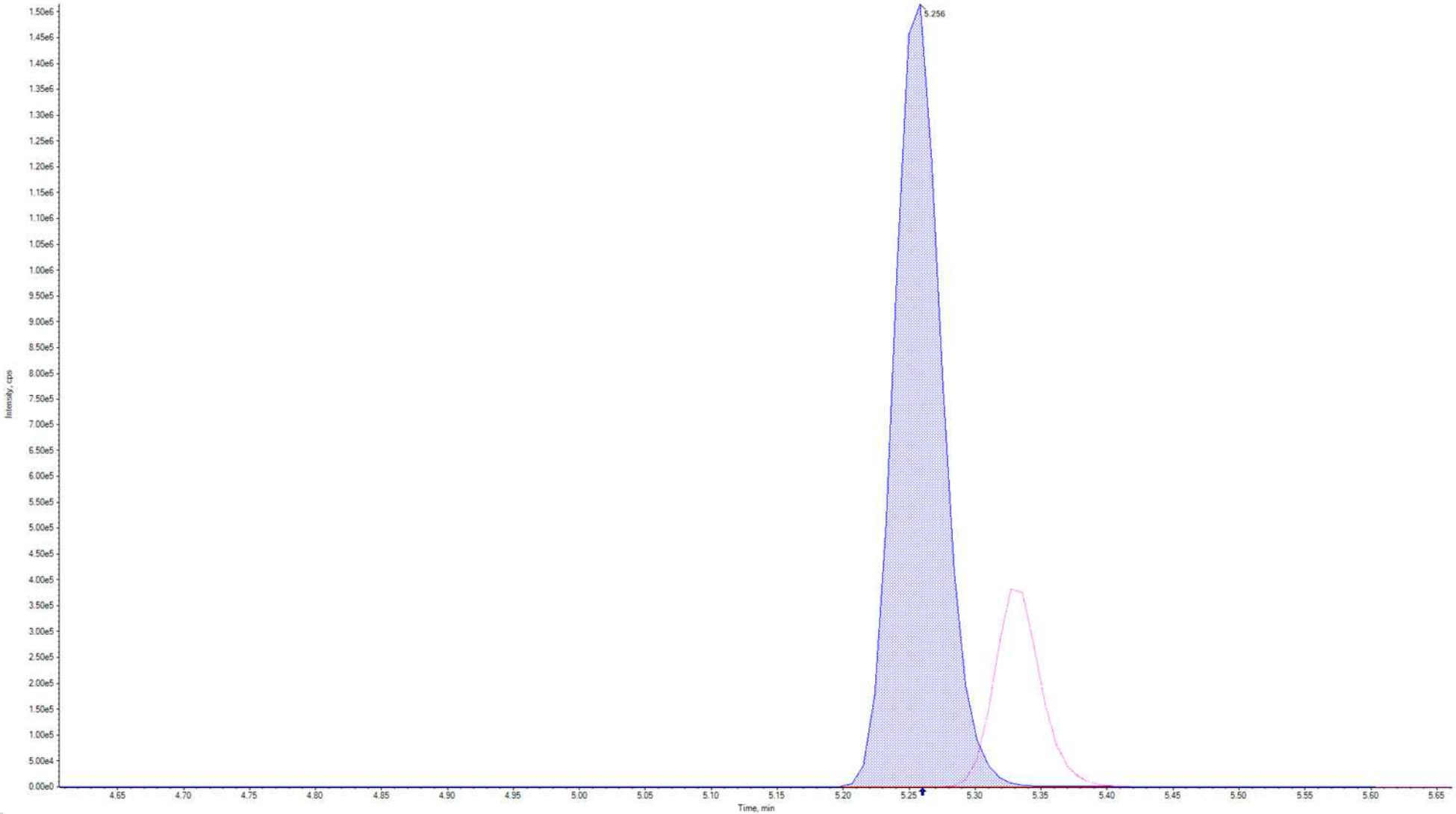
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-25 S/N:6054.9 Points Across peak:37

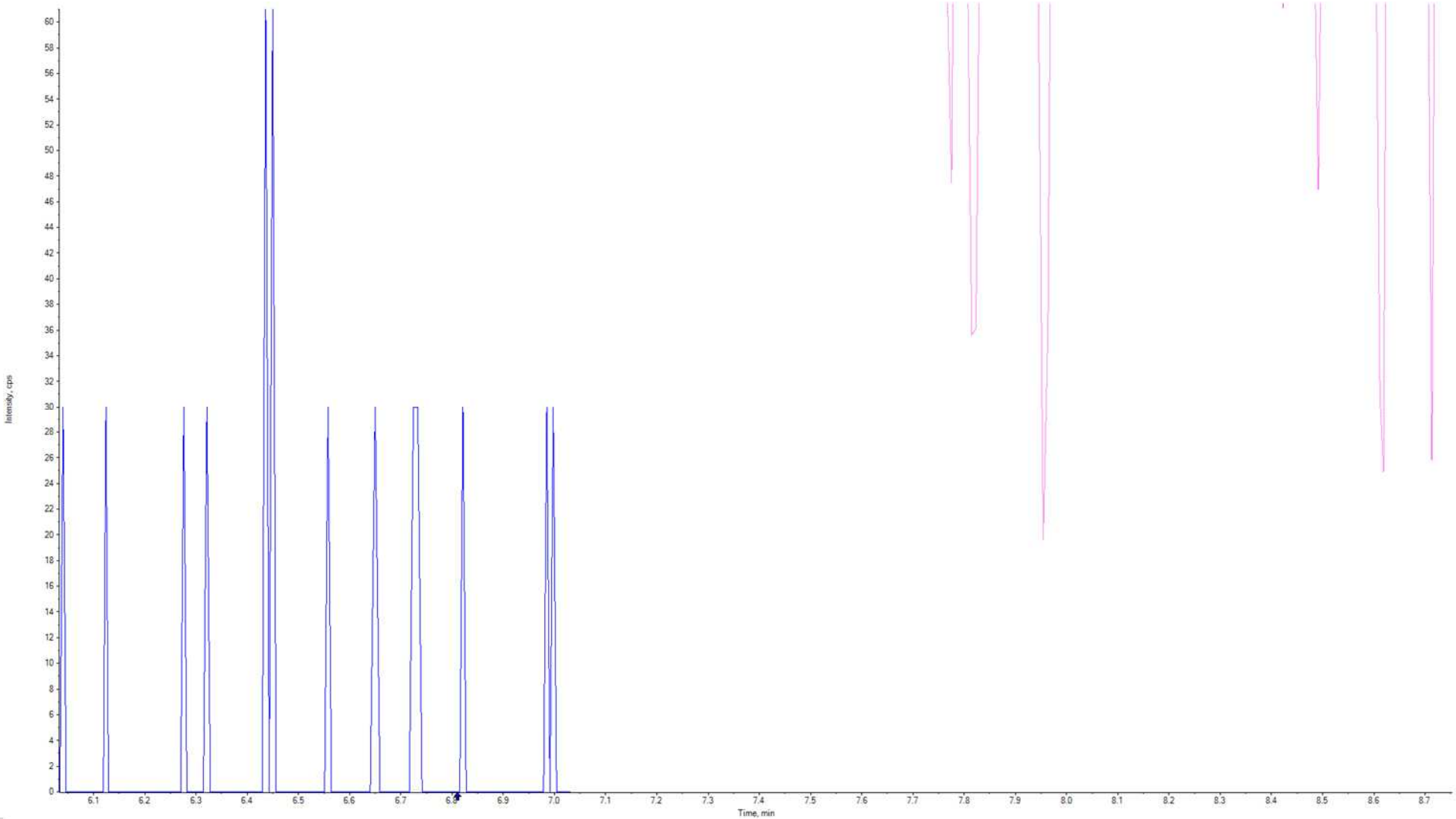


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-25 S/N:12005.3 Points Across peak:37

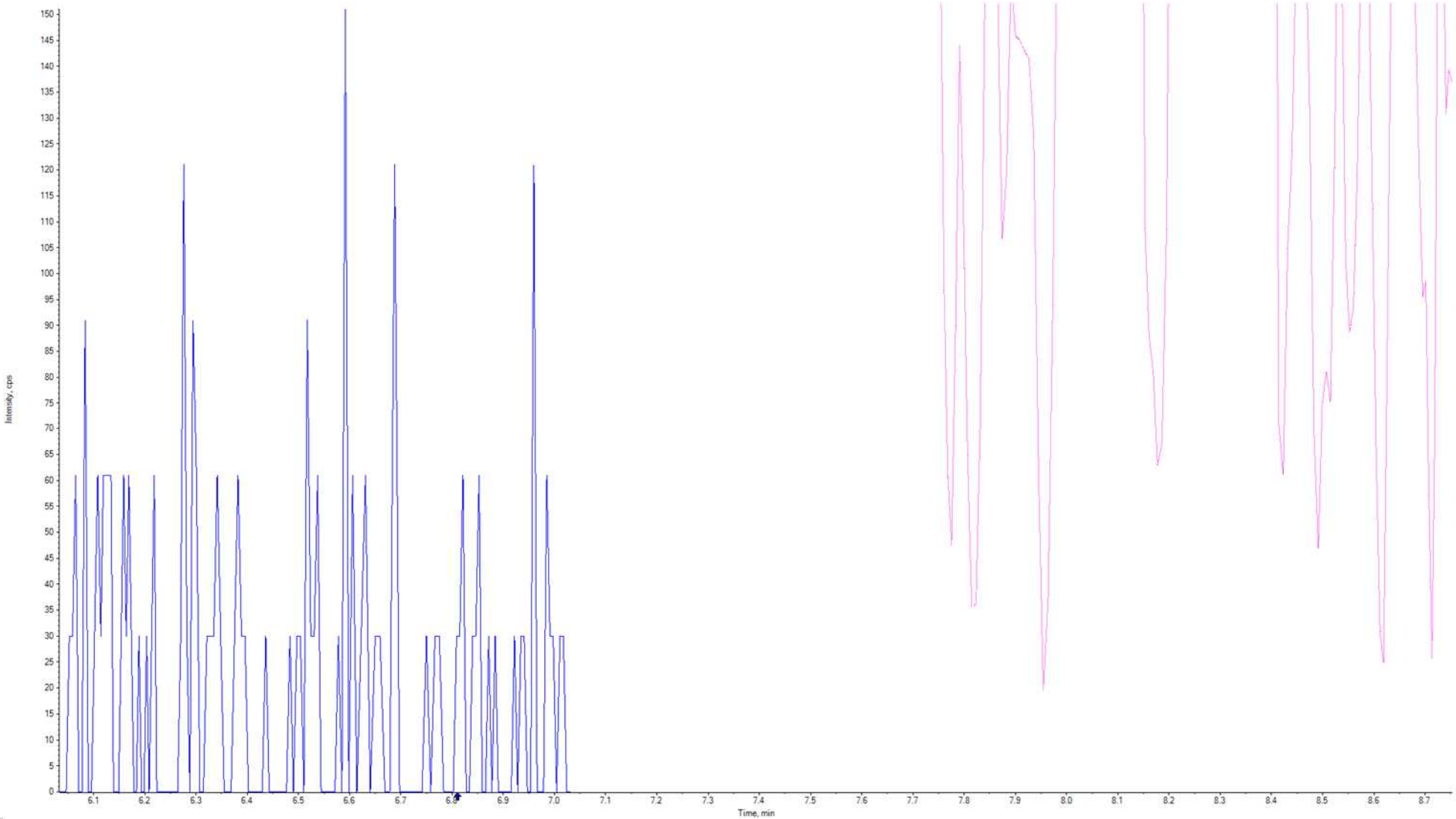


TDCA
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



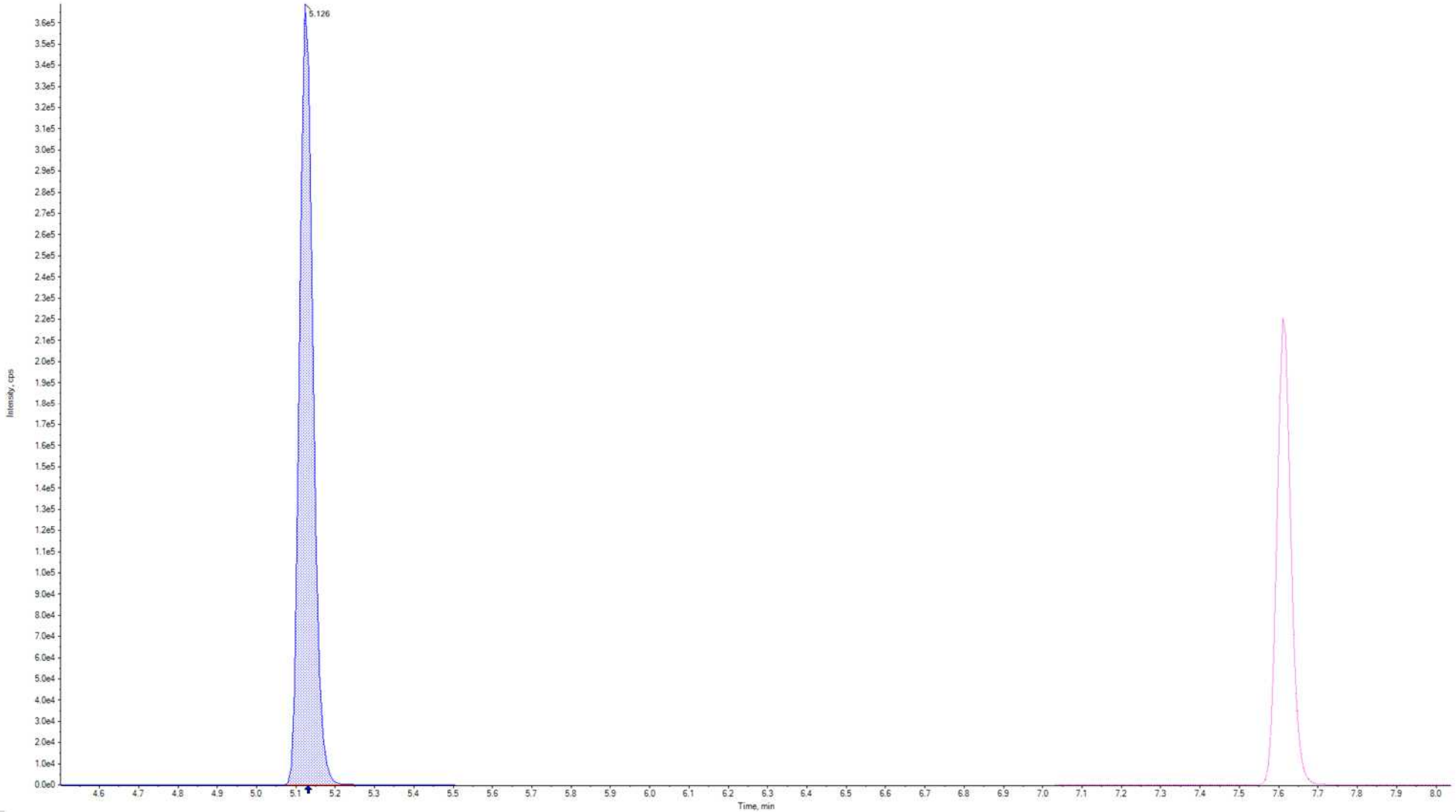
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



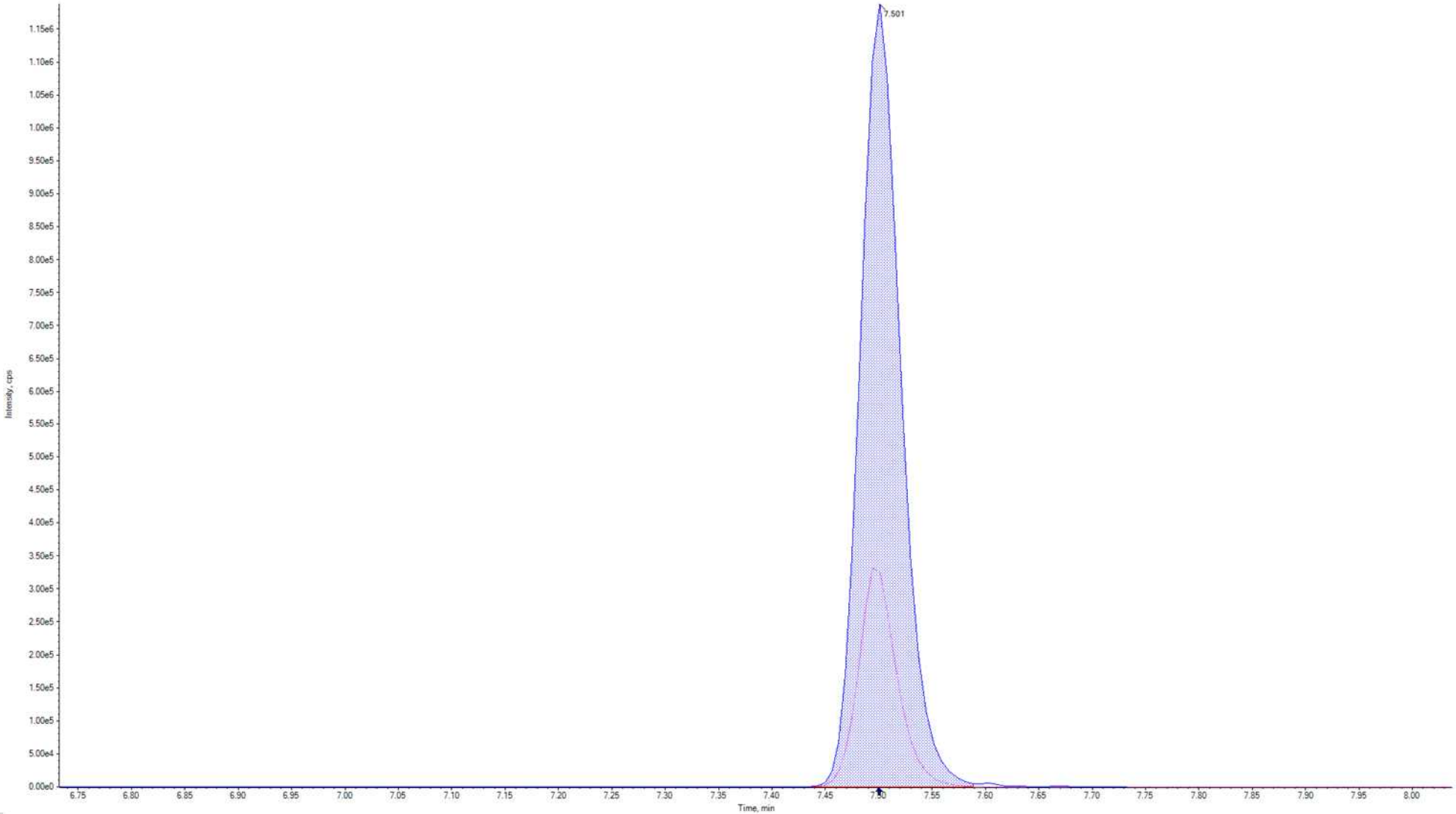
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:10885.7 Points Across peak:29

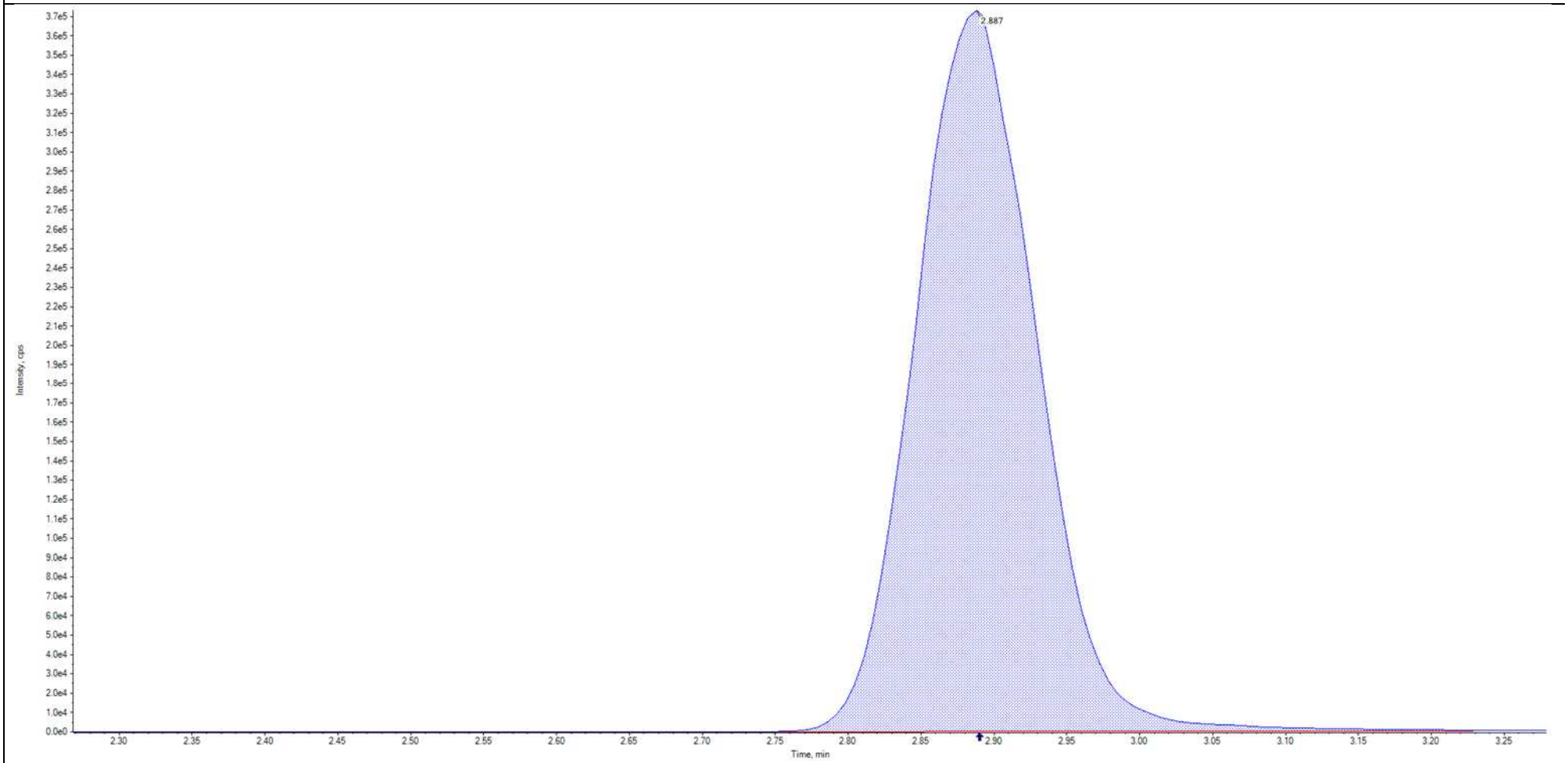


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

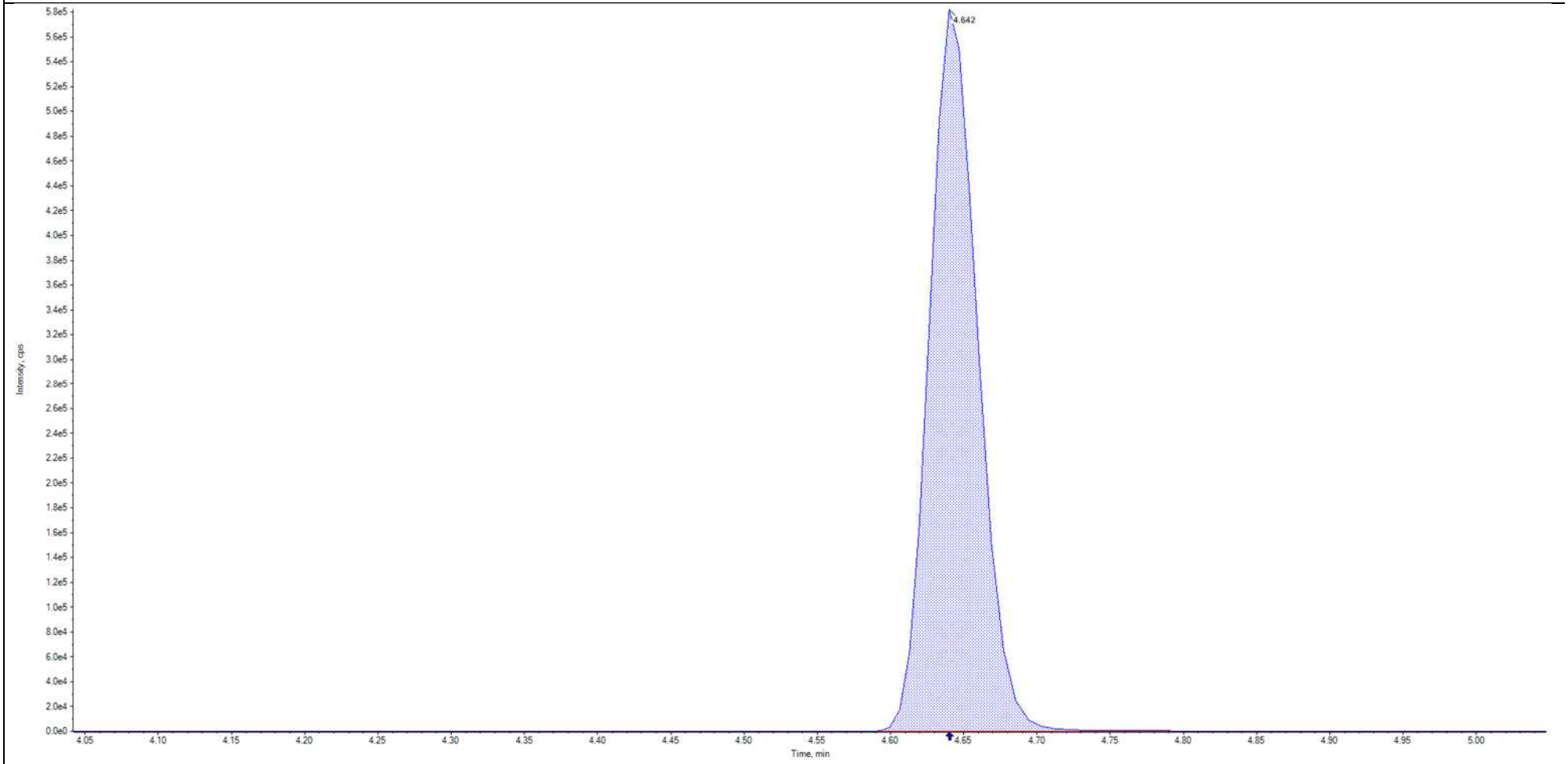
13C2-PFOA
Sample: IA1633STD-25 S/N:9611.9 Points Across peak:25



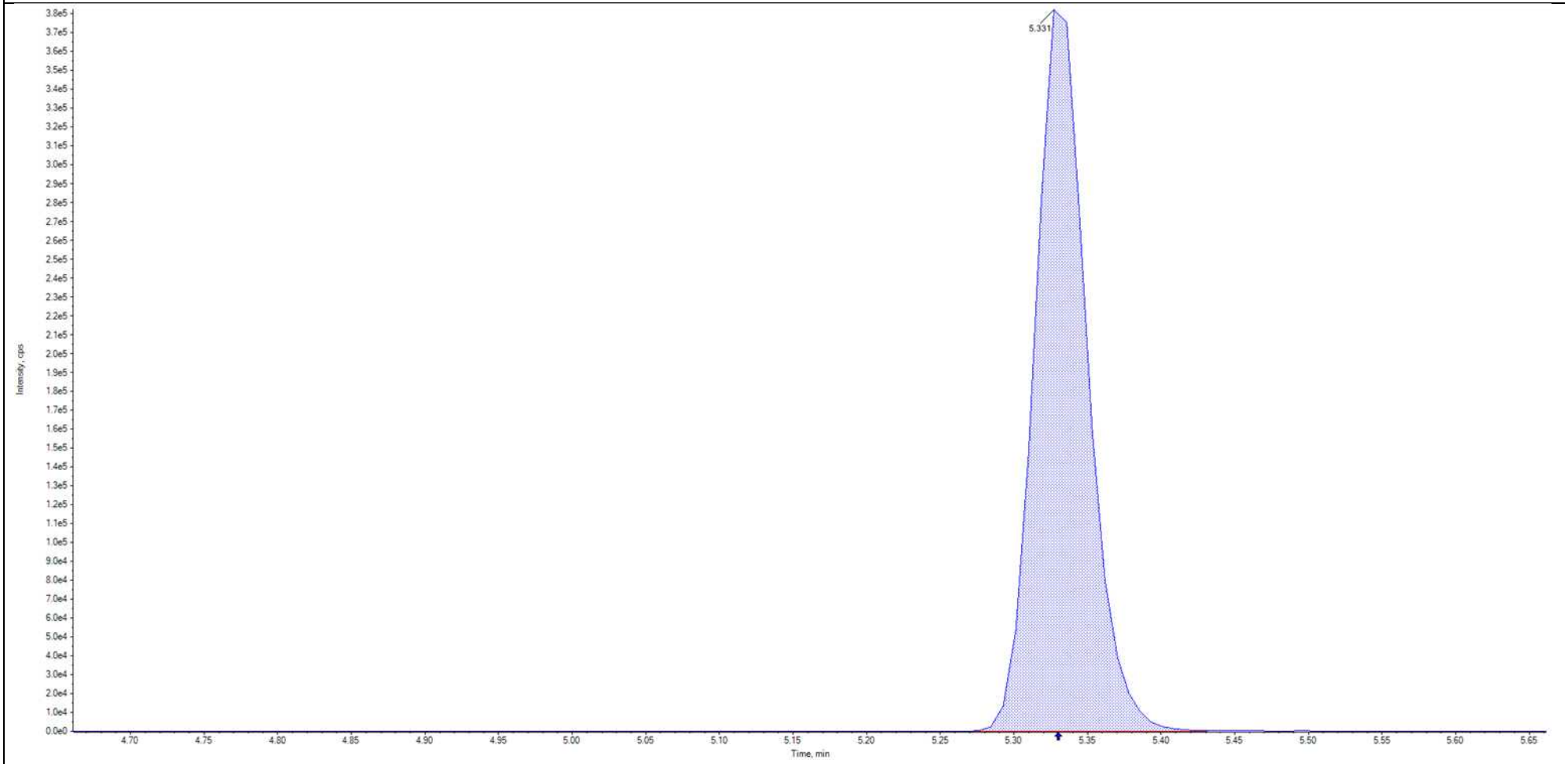
13C4-PFBA
Sample: IA1633STD-25



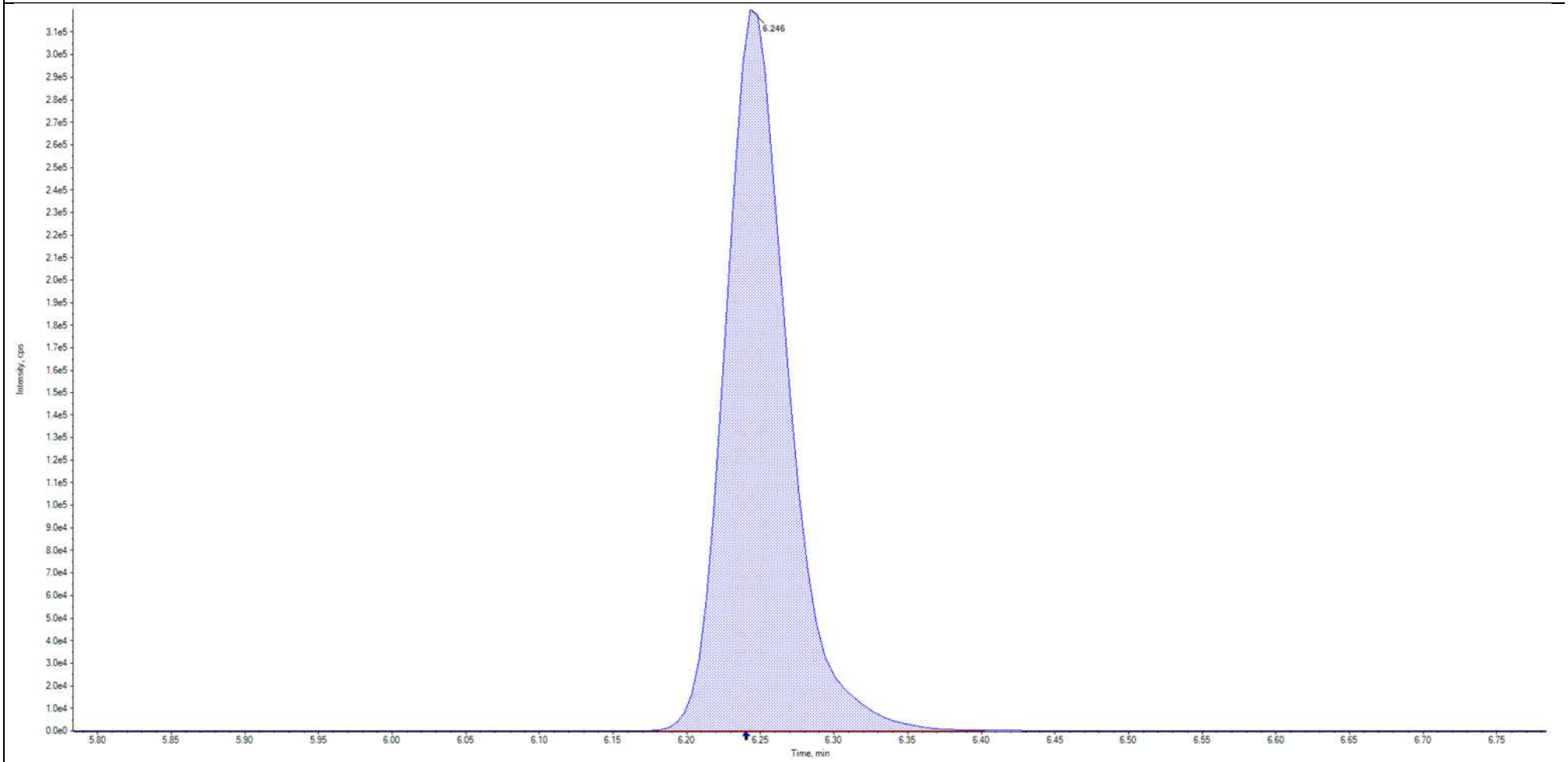
13C5-PFPeA
Sample: IA1633STD-25



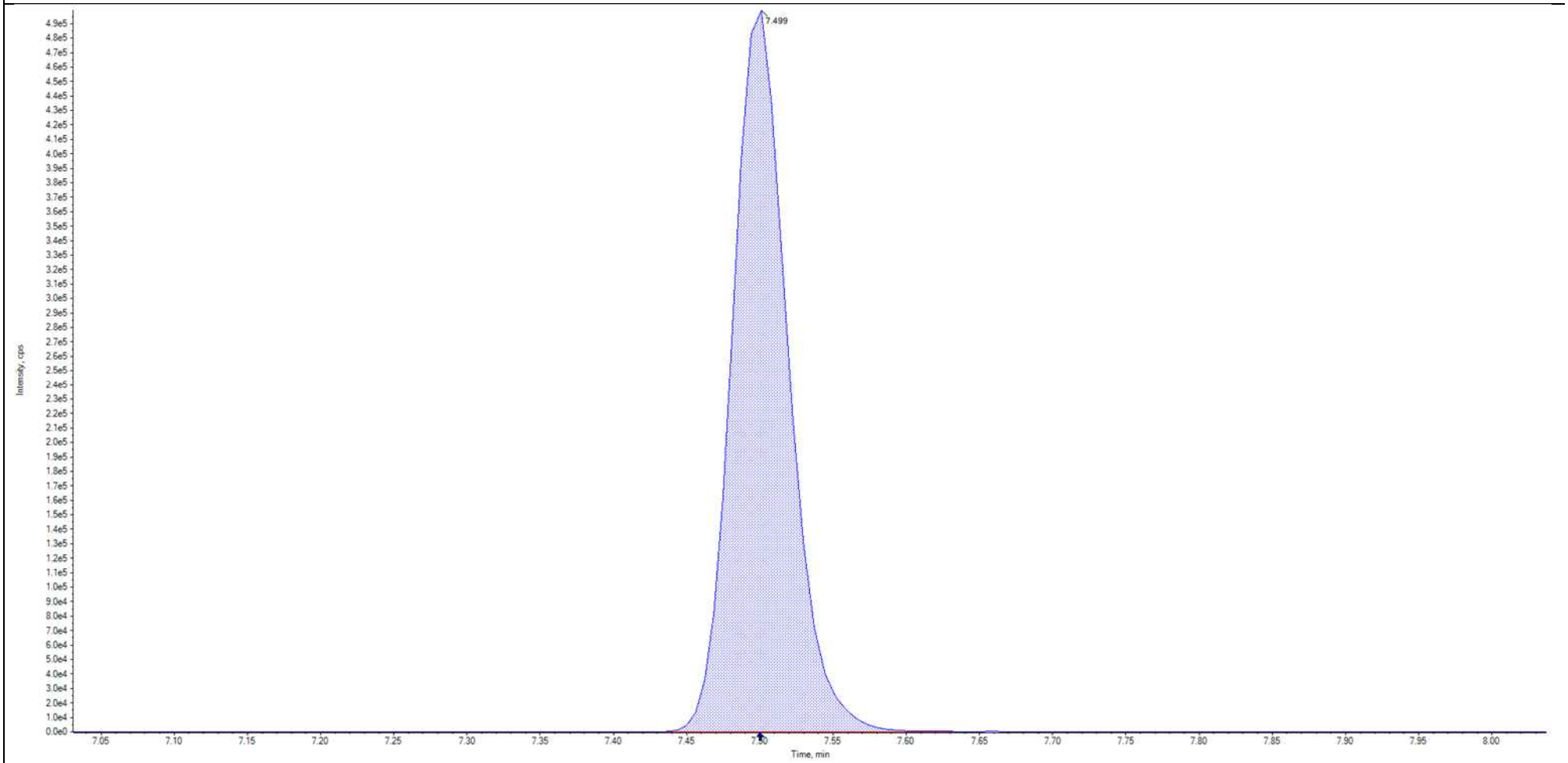
13C5-PFHxA
Sample: IA1633STD-25



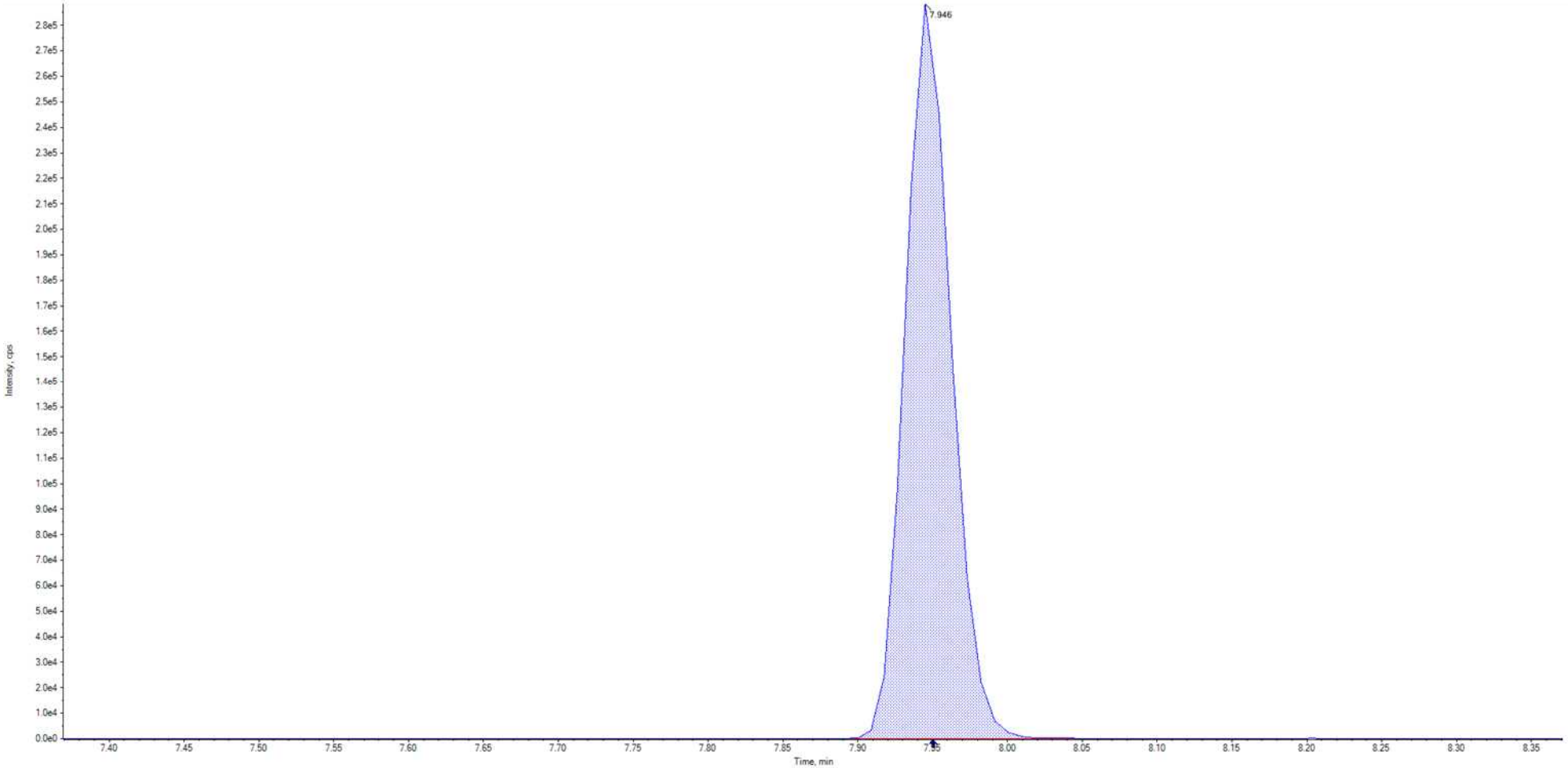
13C4-PFHpA
Sample: IA1633STD-25



13C8-PFOA
Sample: IA1633STD-25

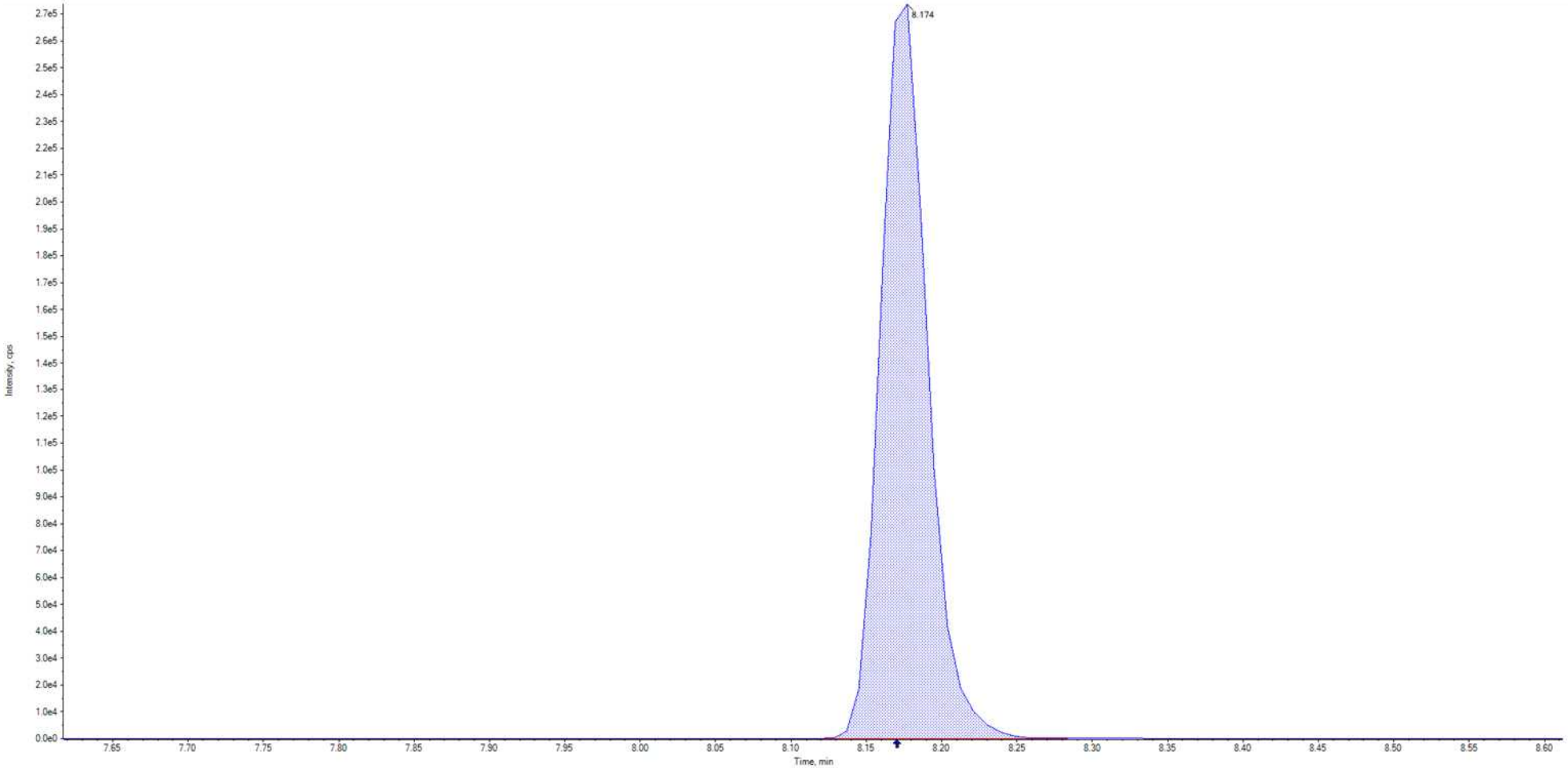


13C9-PFNA
Sample: IA1633STD-25



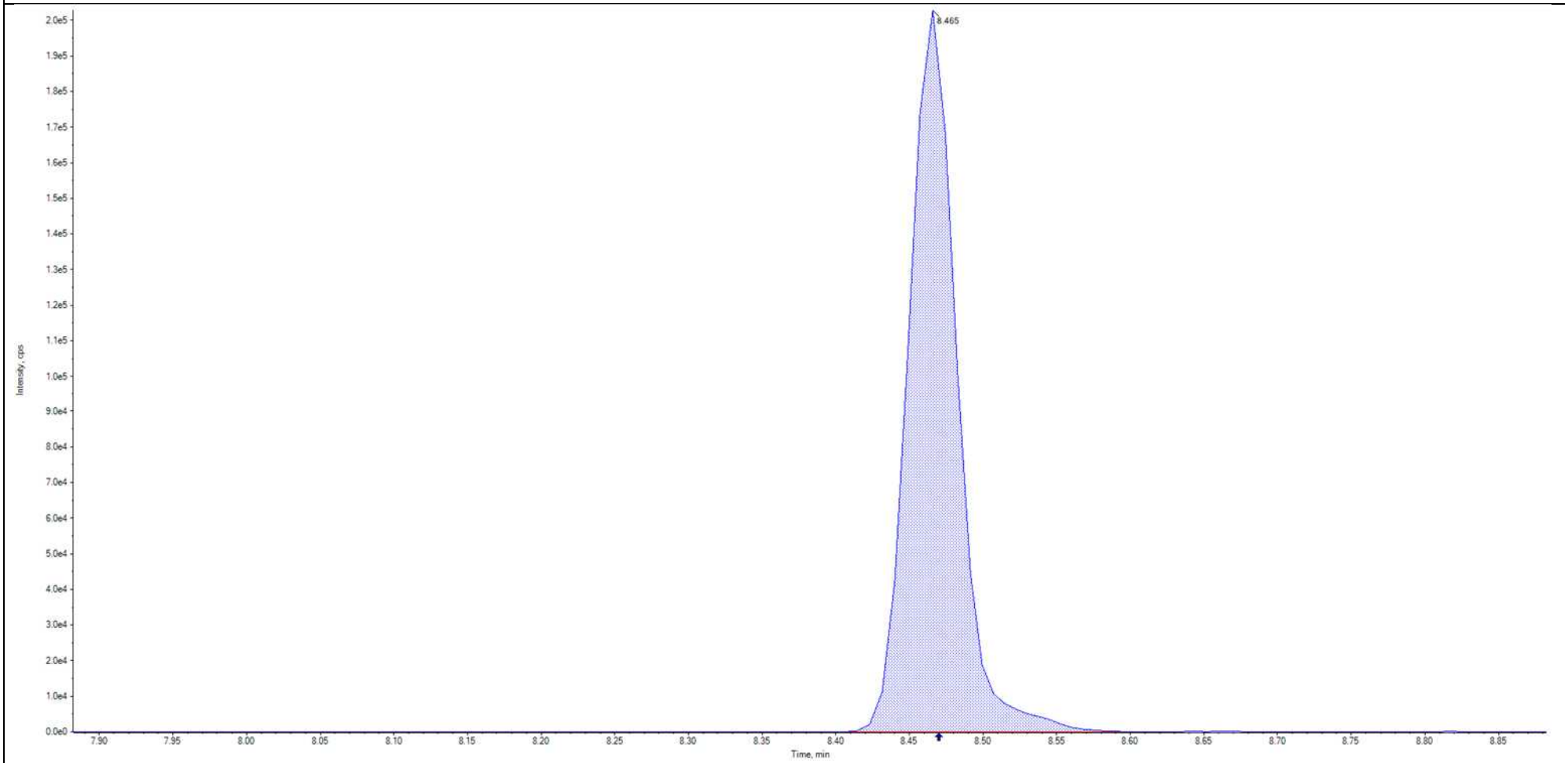
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C6-PFDA
Sample: IA1633STD-25



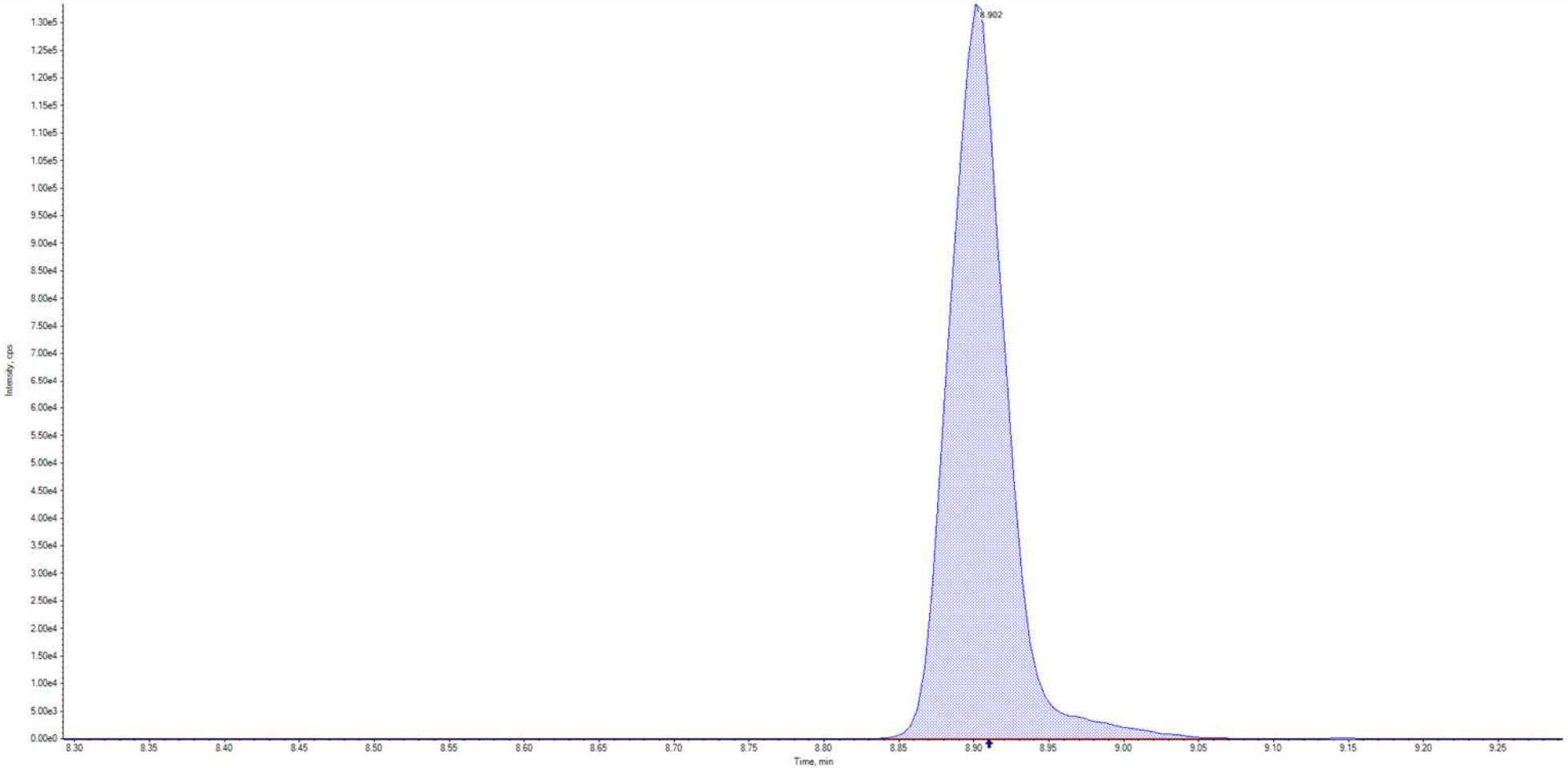
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C7-PFUnA
Sample: IA1633STD-25

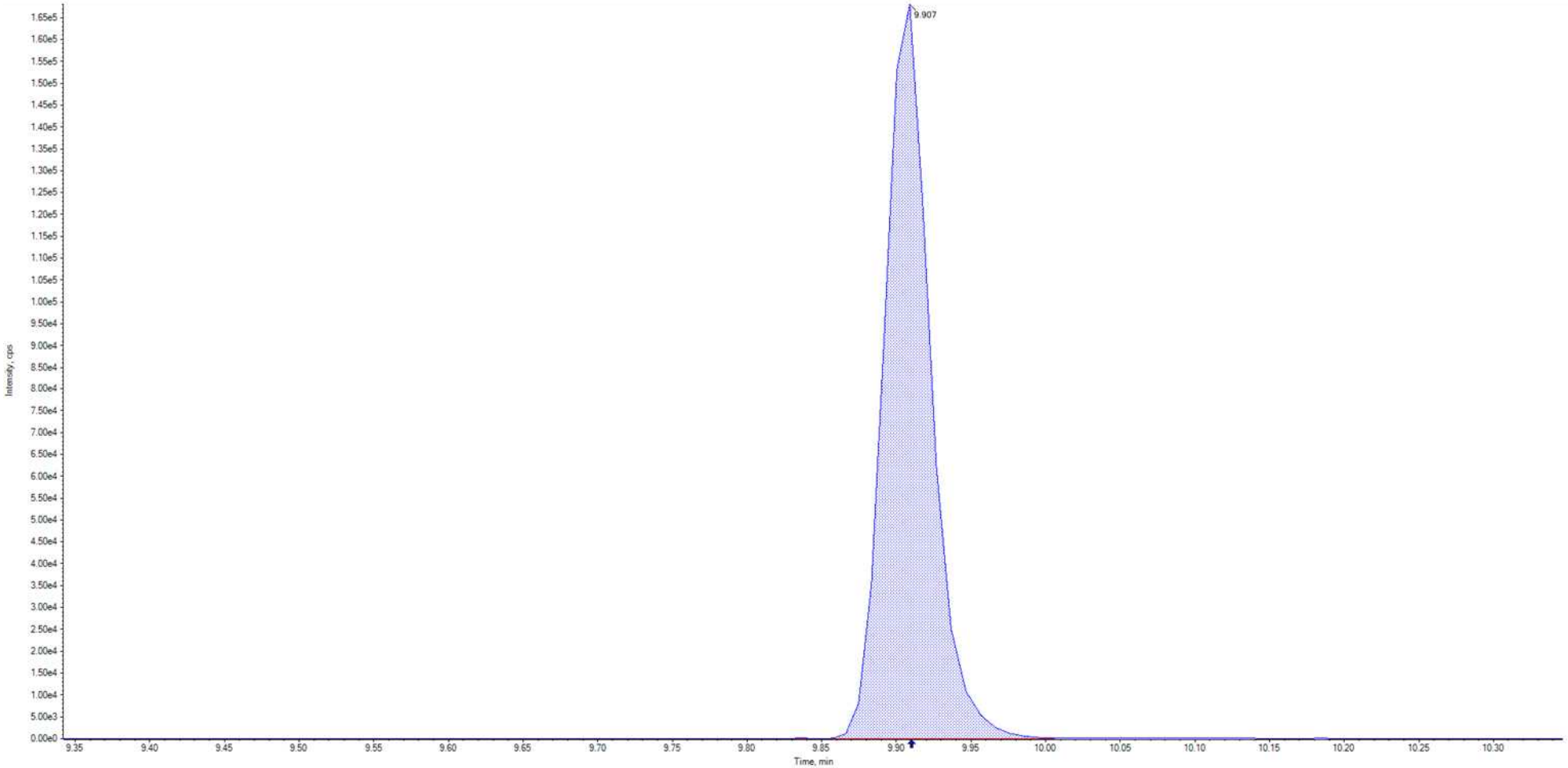


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

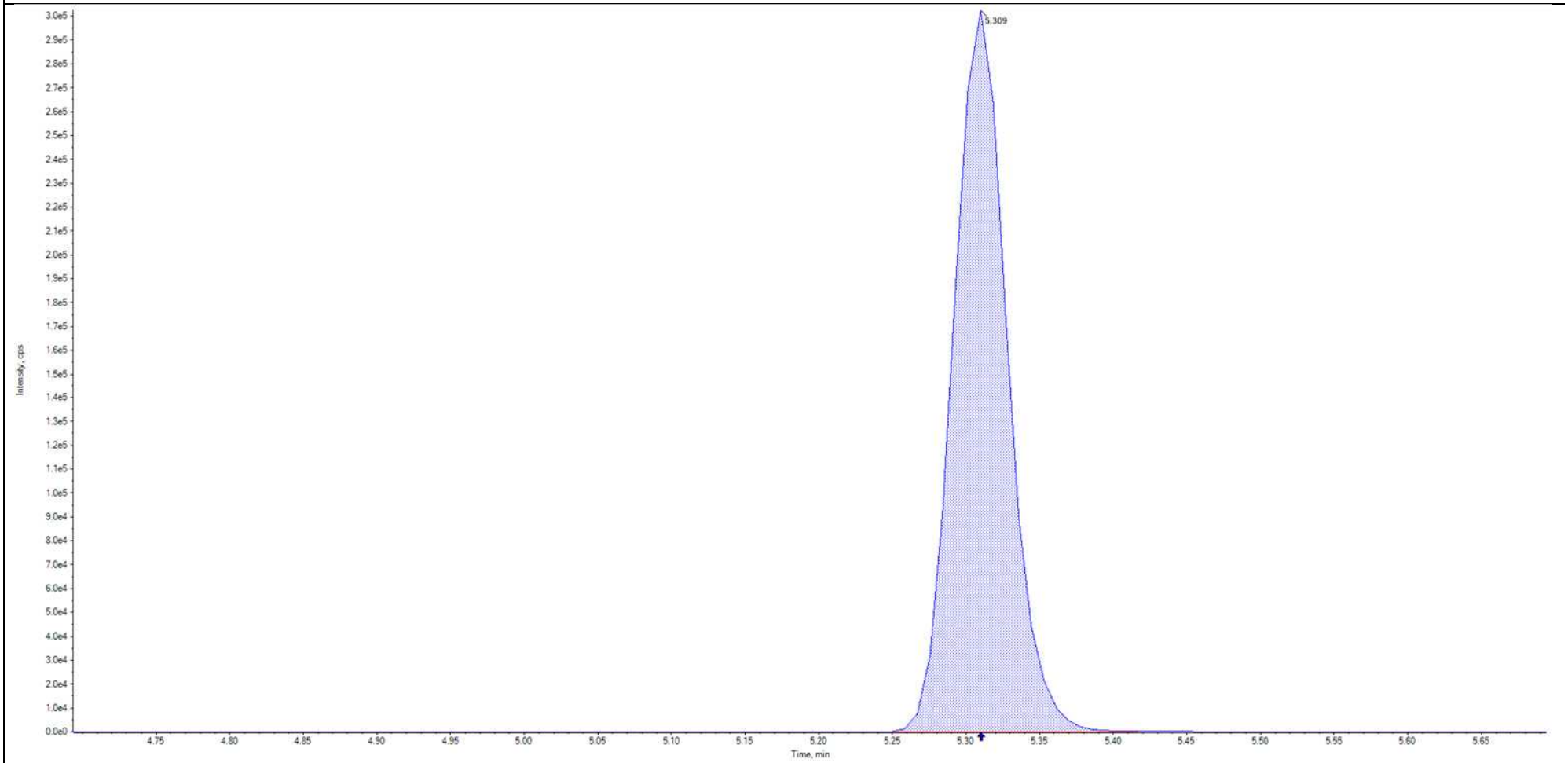
13C2-PFDoA
Sample: IA1633STD-25



13C2-PFTeDA
Sample: IA1633STD-25



13C3-PFBS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
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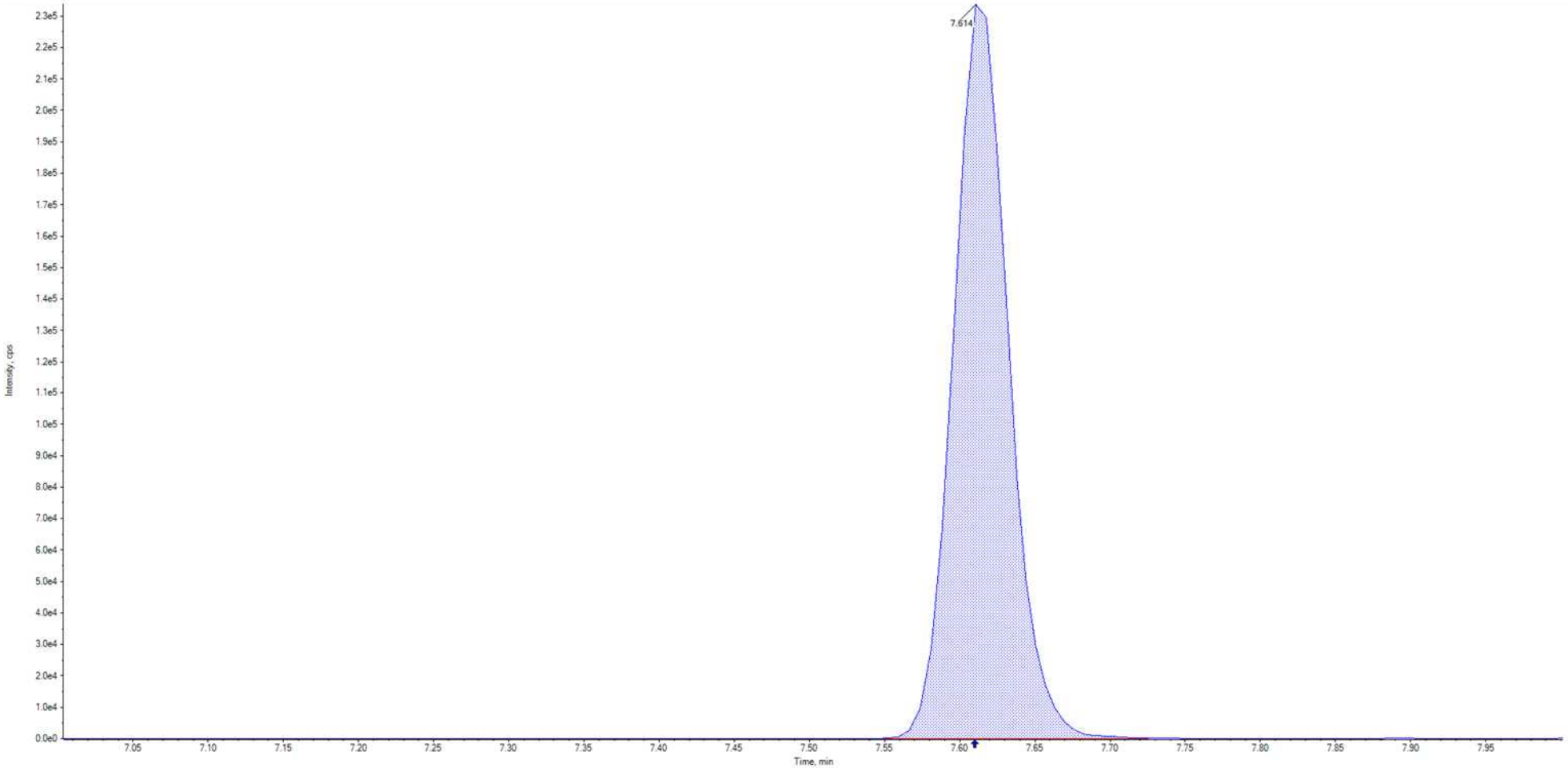
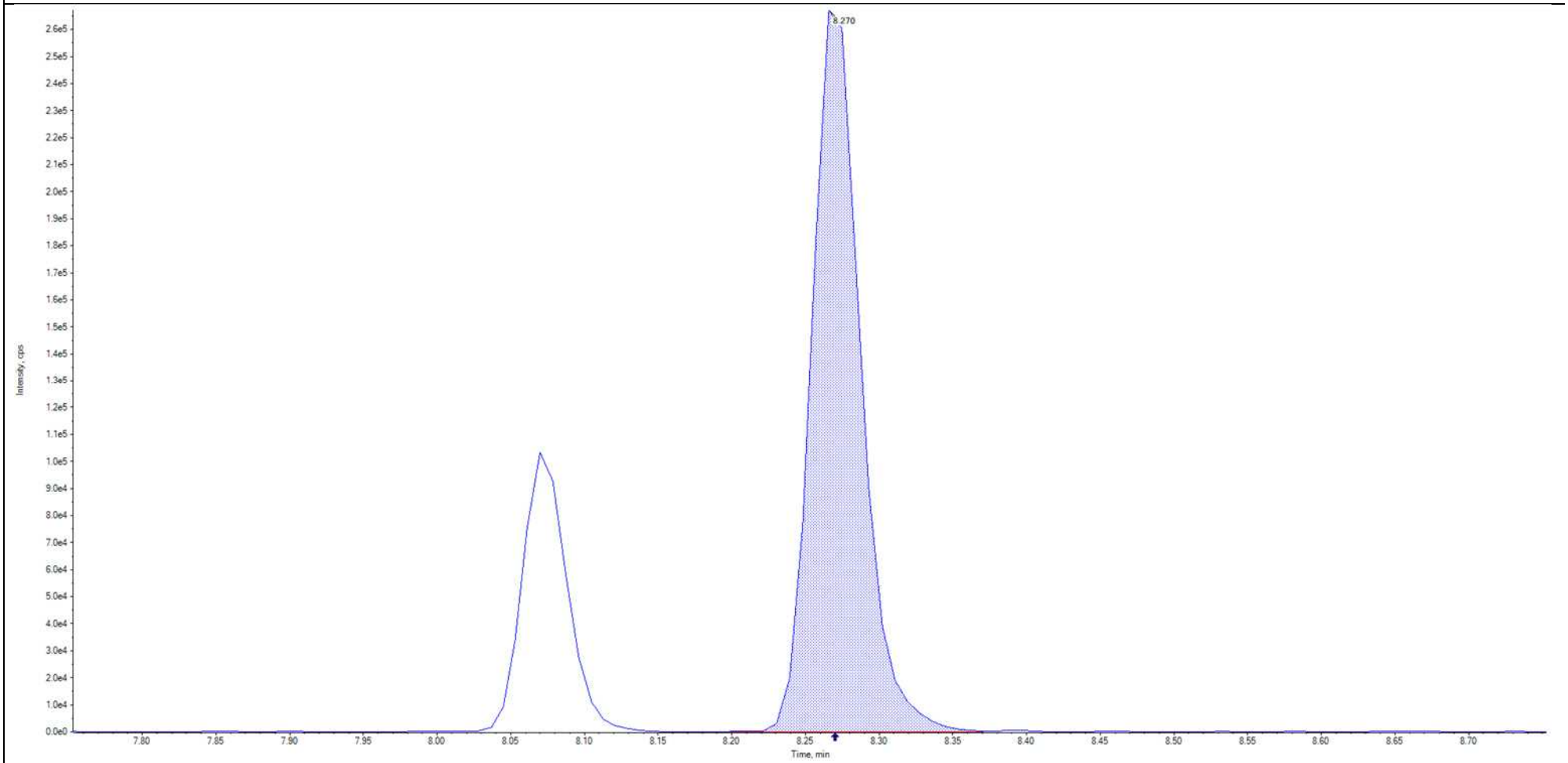
Generated: 8/14/2024 6:27:11 AM

13C3-PFHxS
Sample: IA1633STD-25

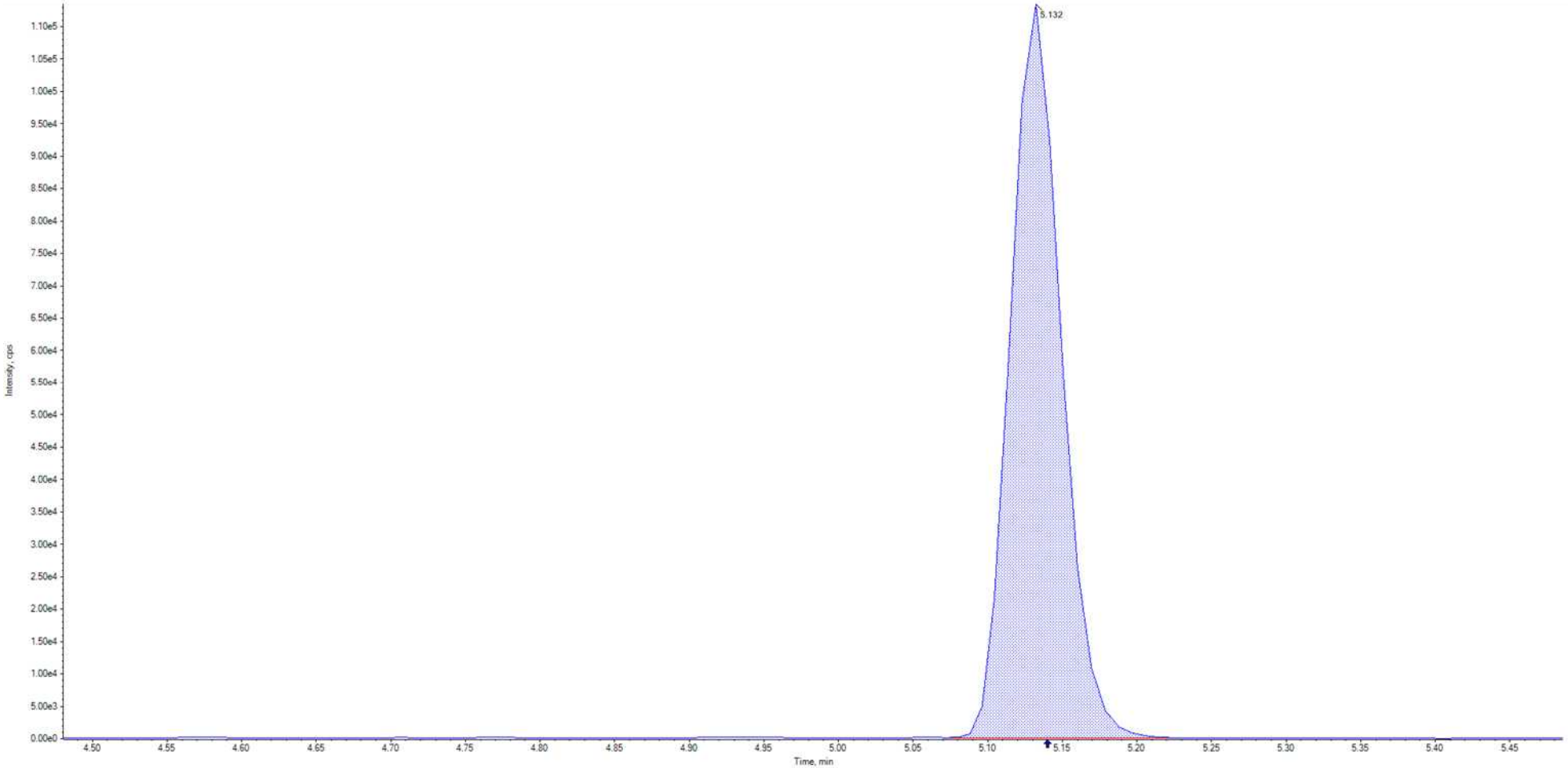


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C8-PFOS
Sample: IA1633STD-25

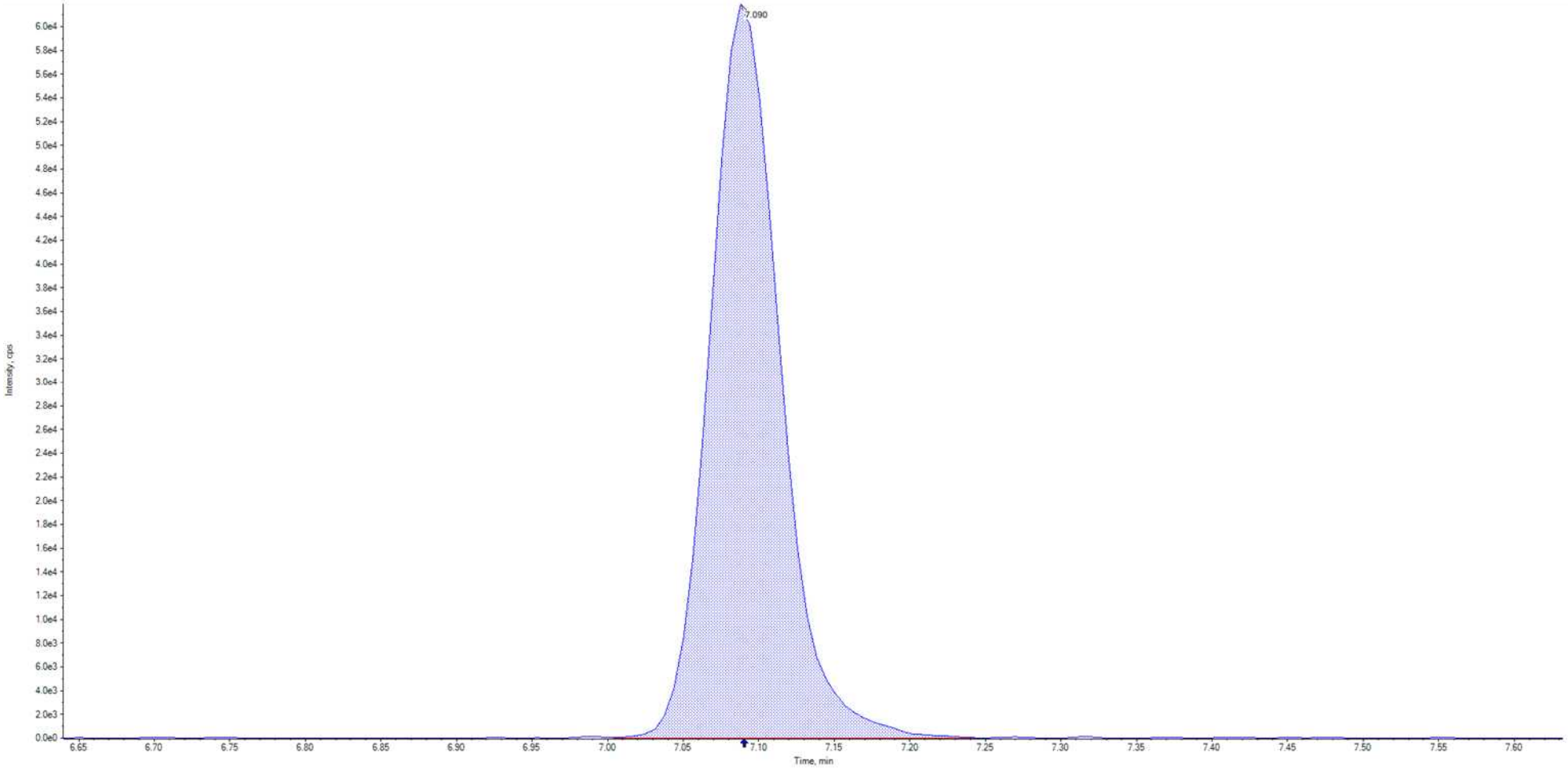


13C2-4:2FTS
Sample: IA1633STD-25

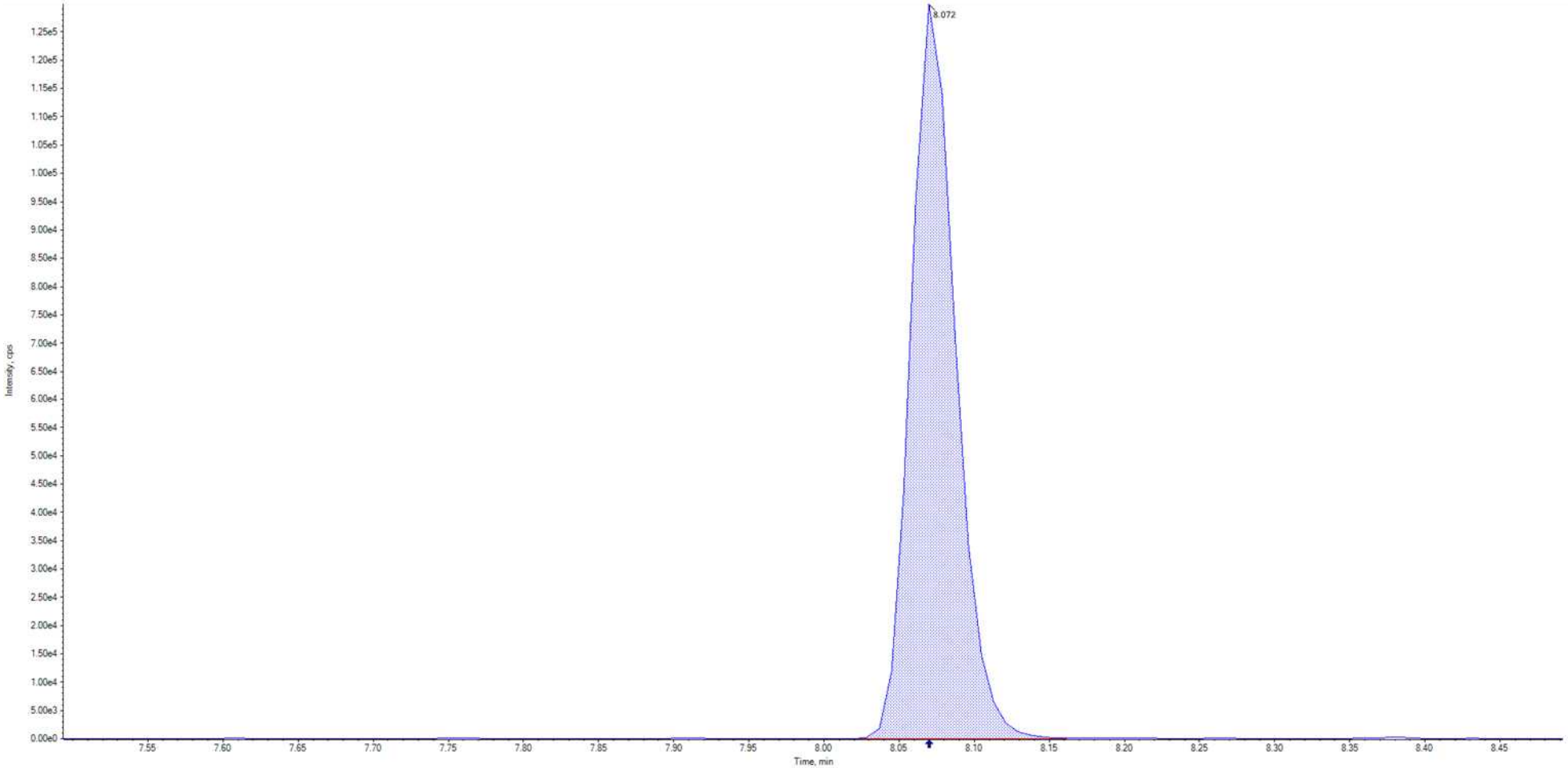


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

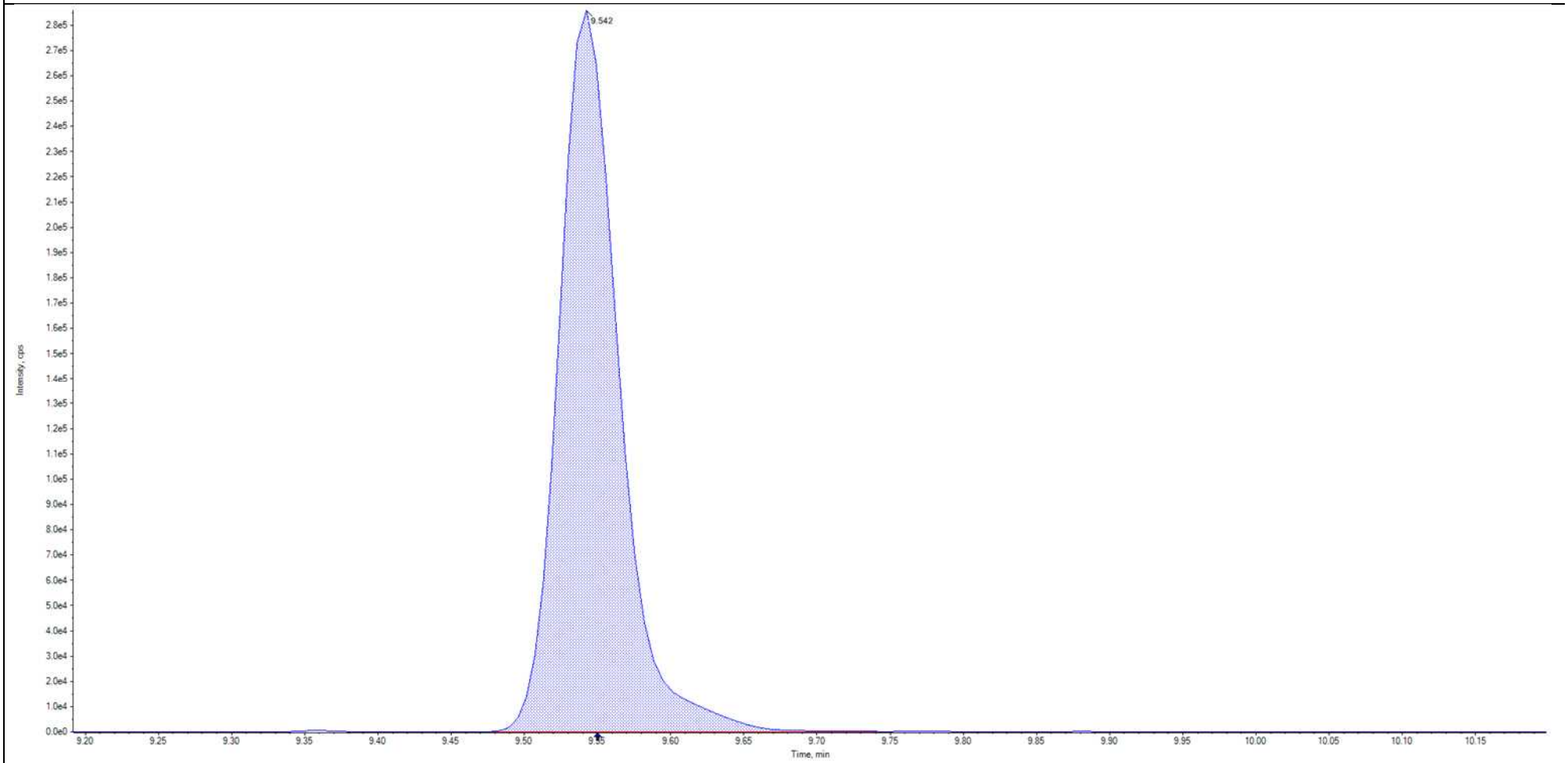
13C2-6:2FTS
Sample: IA1633STD-25



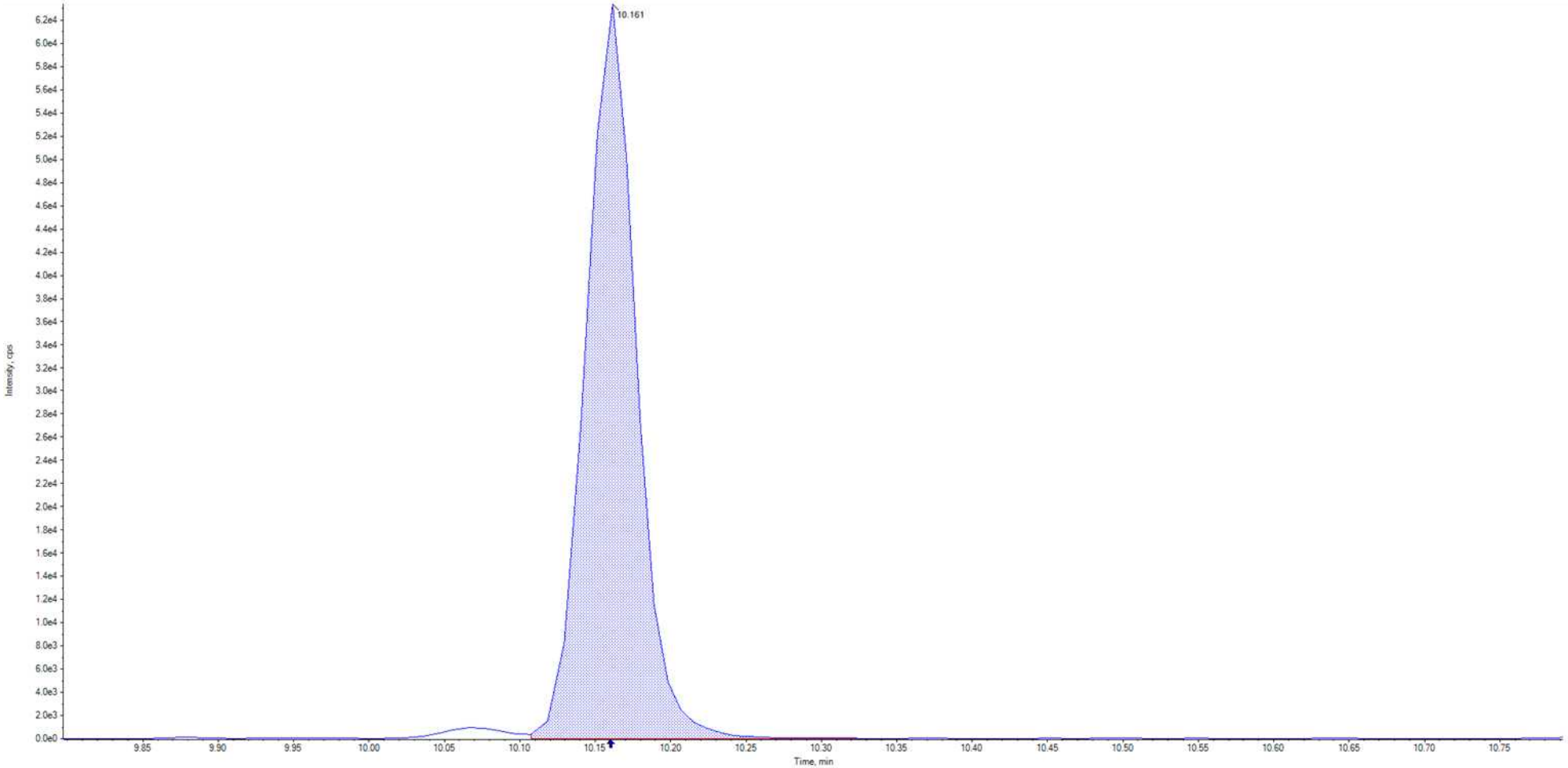
13C2-8:2FTS
Sample: IA1633STD-25



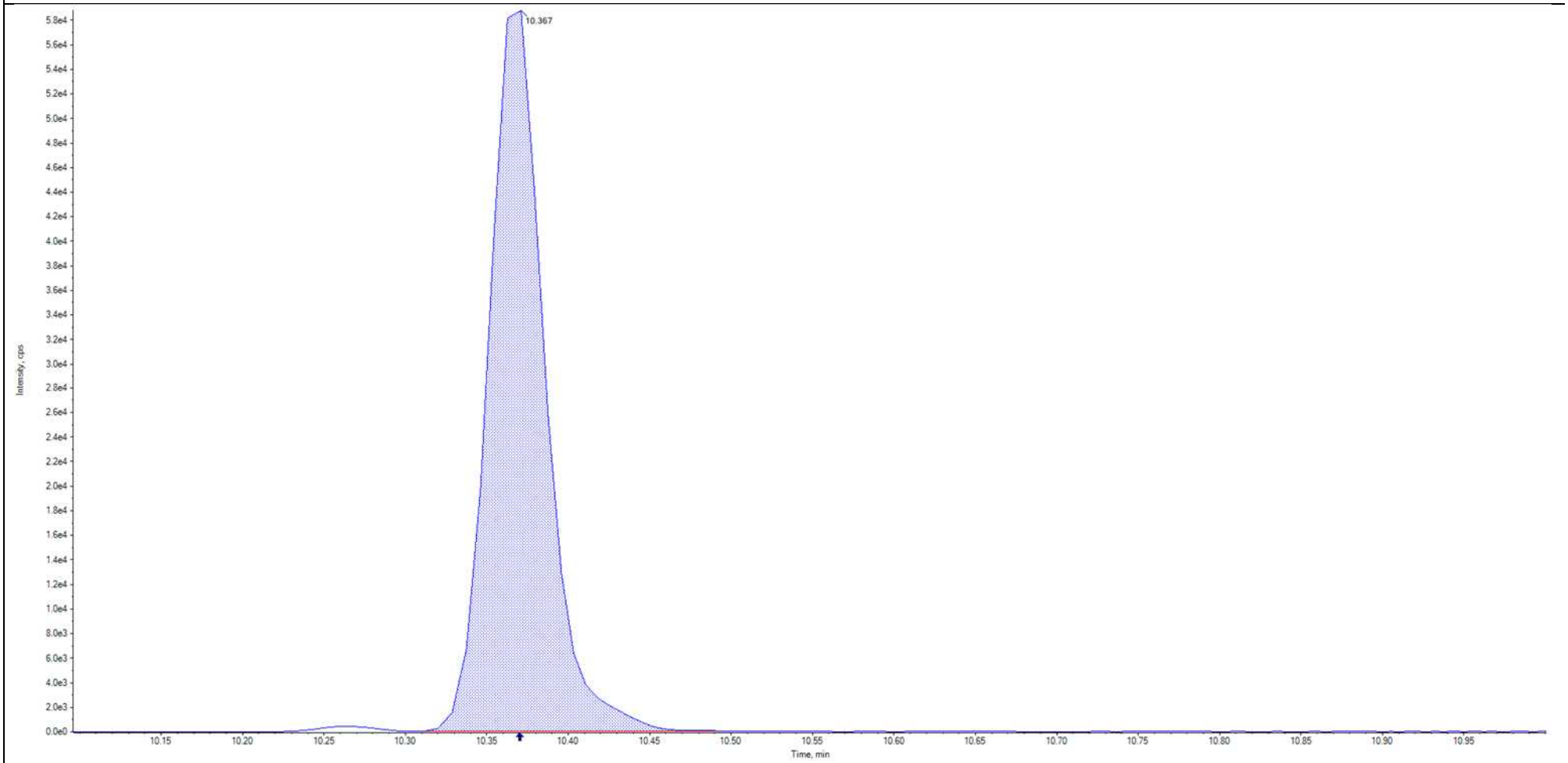
13C8-PFOSA
Sample: IA1633STD-25



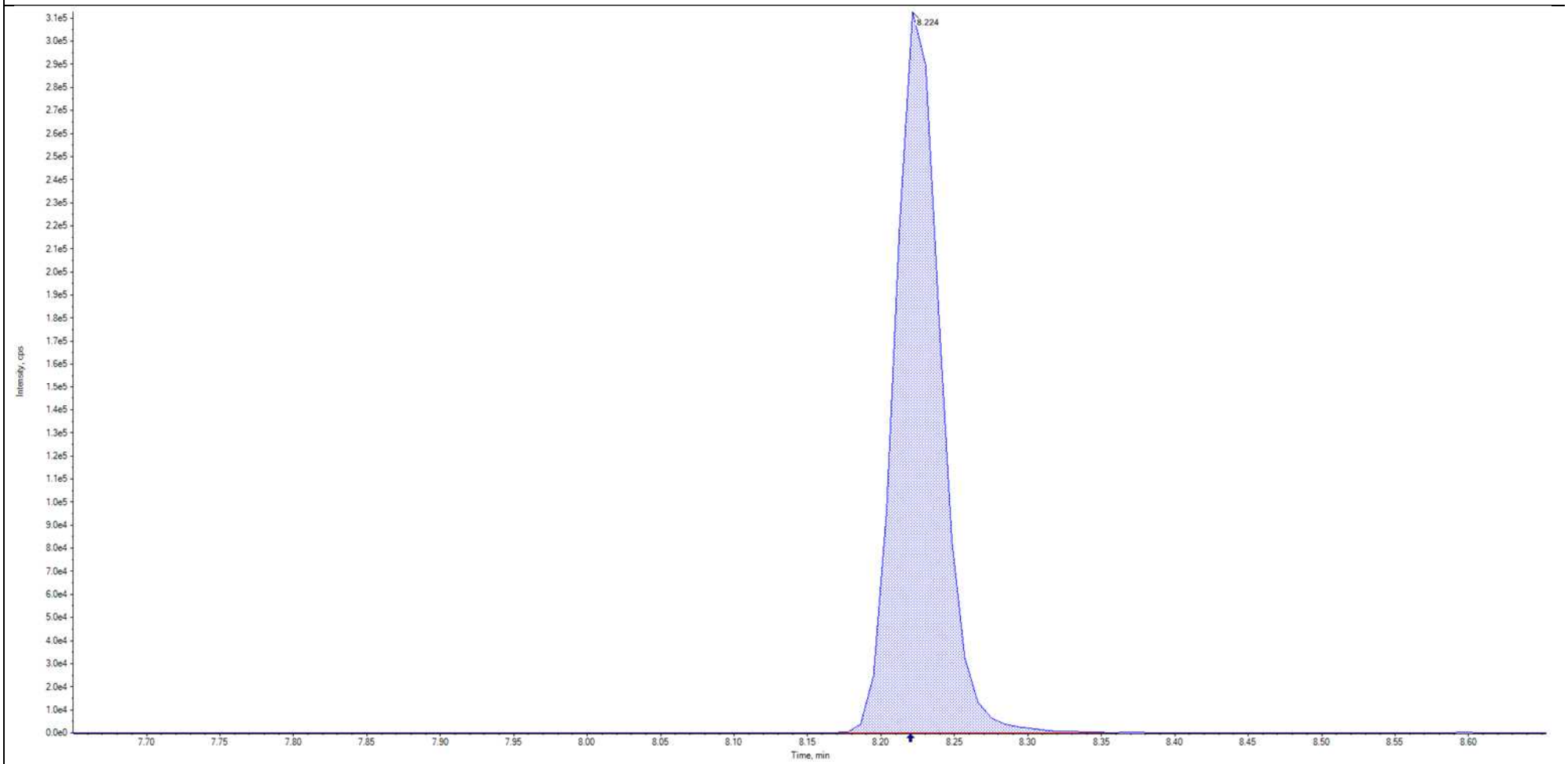
d3-NMeFOSA
Sample: IA1633STD-25



d5-NEtFOSA
Sample: IA1633STD-25

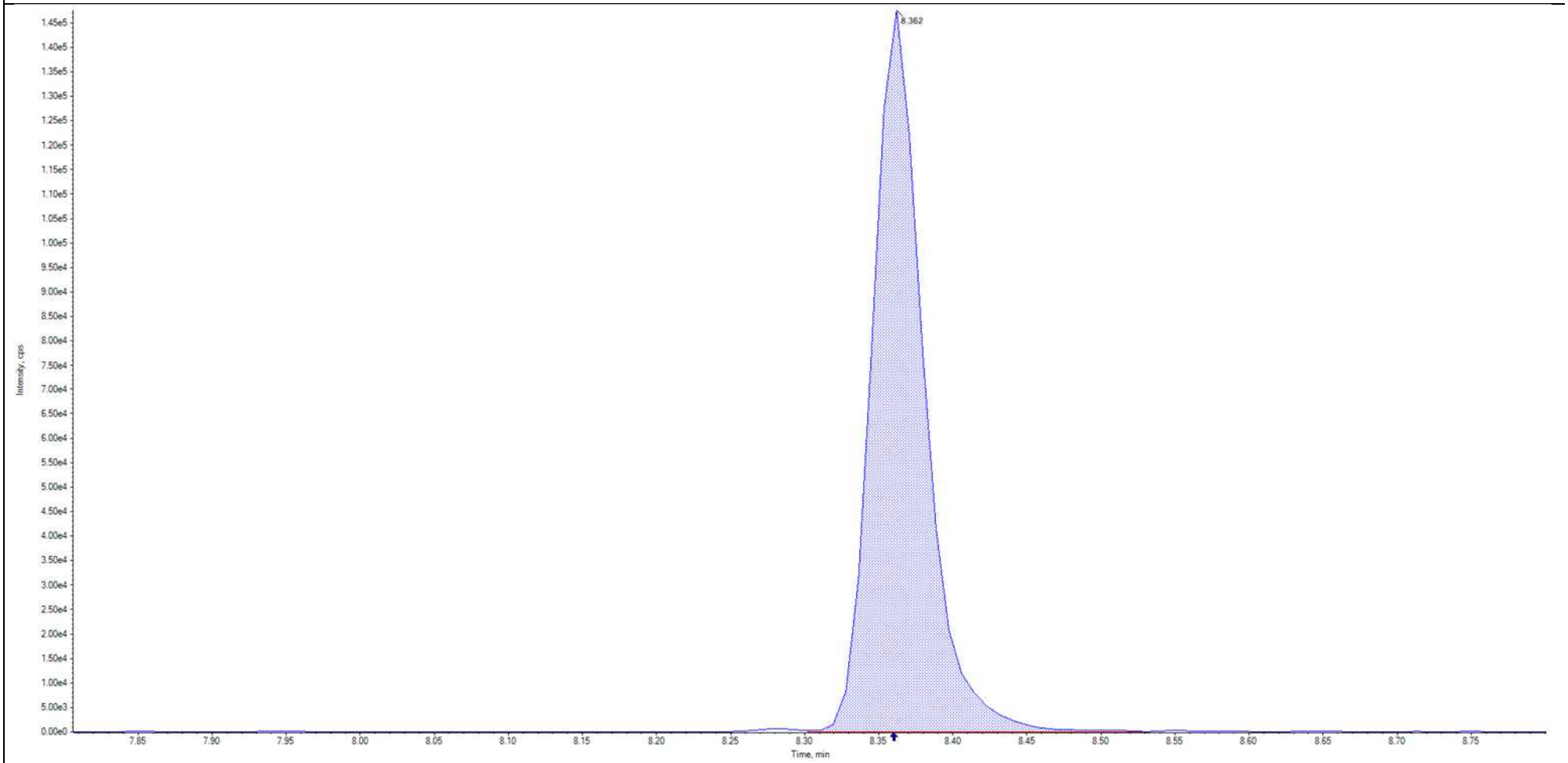


d3-NMeFOSAA
Sample: IA1633STD-25

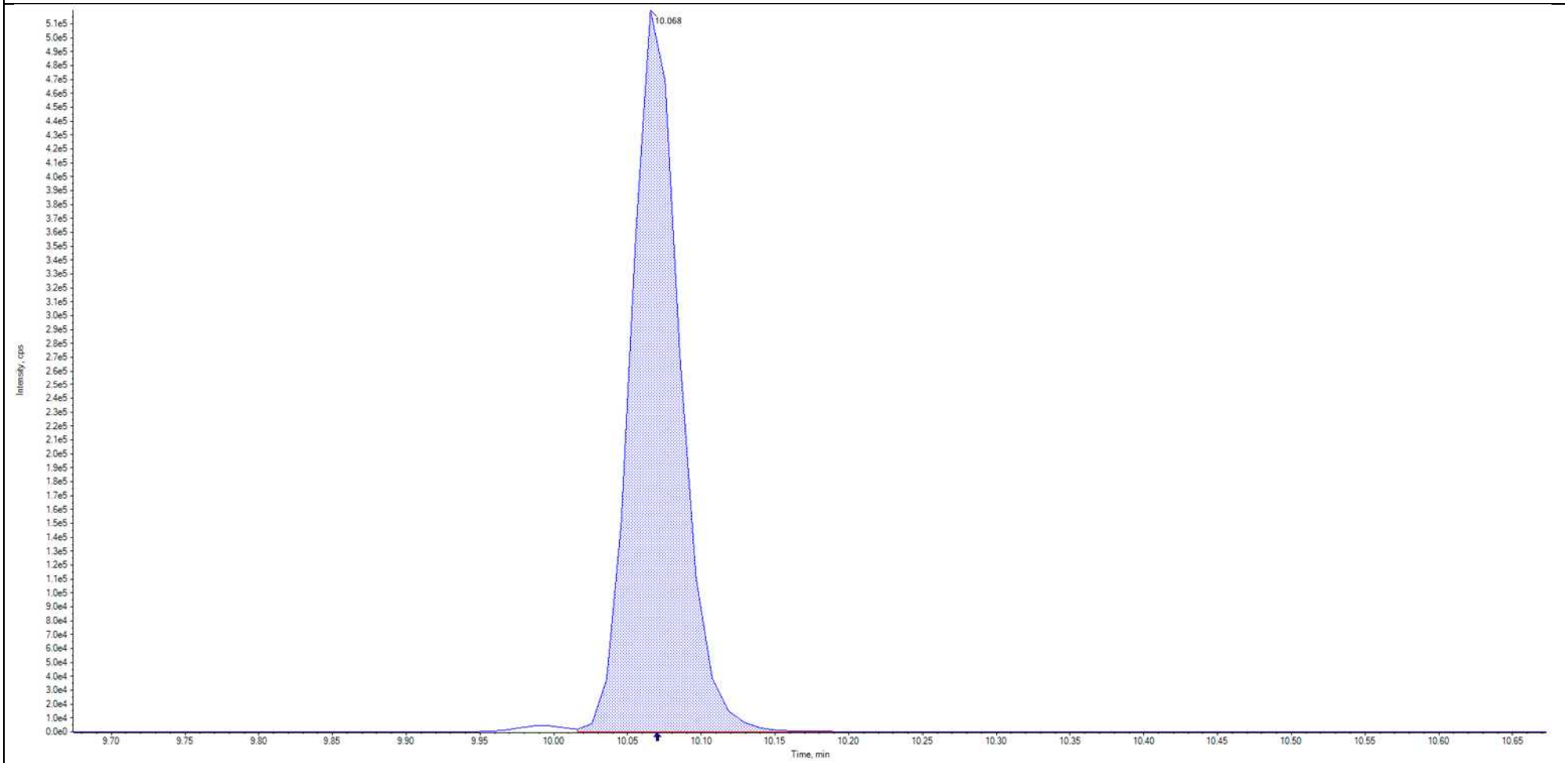


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

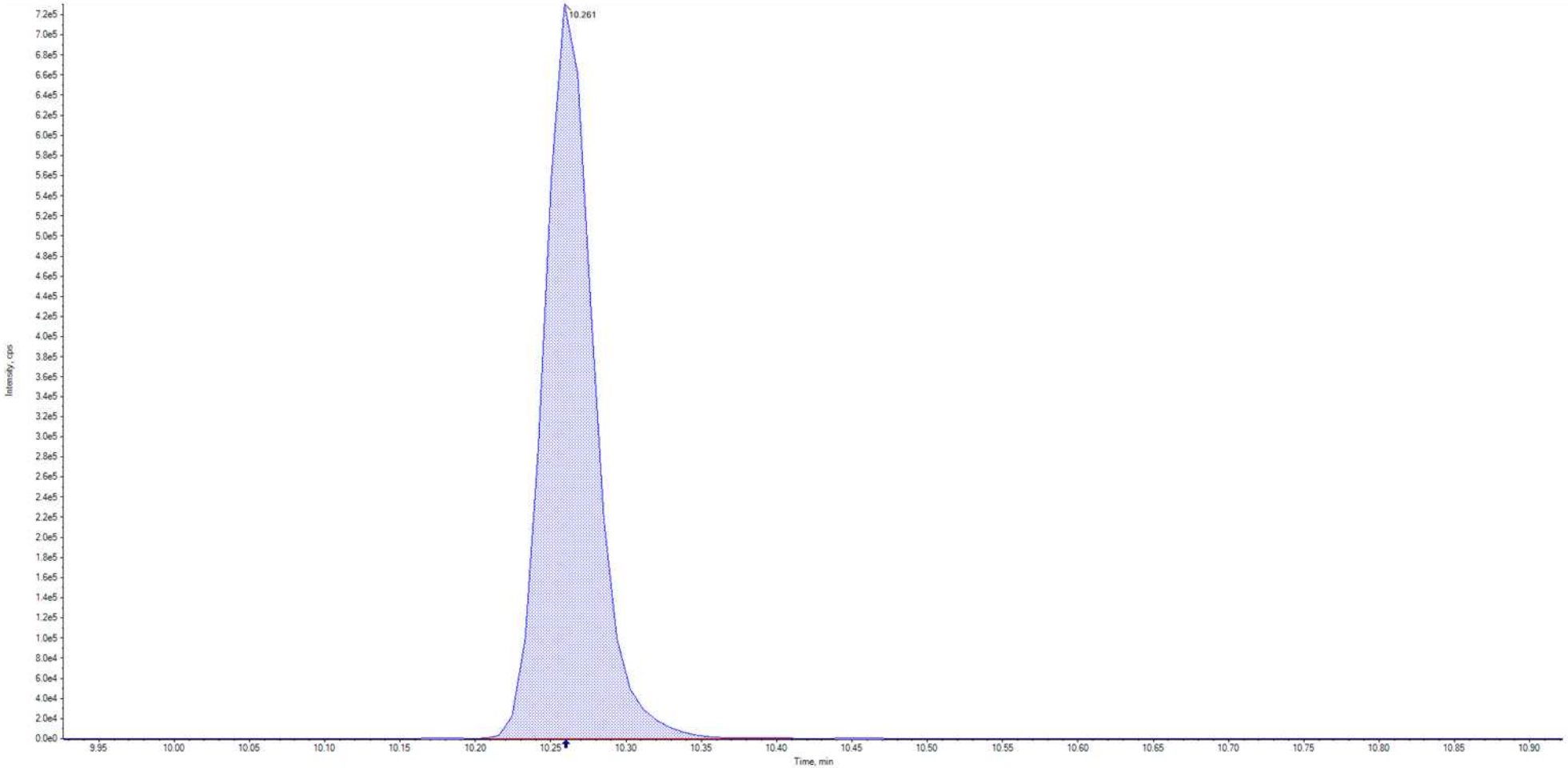
d5-NEtFOSAA
Sample: IA1633STD-25



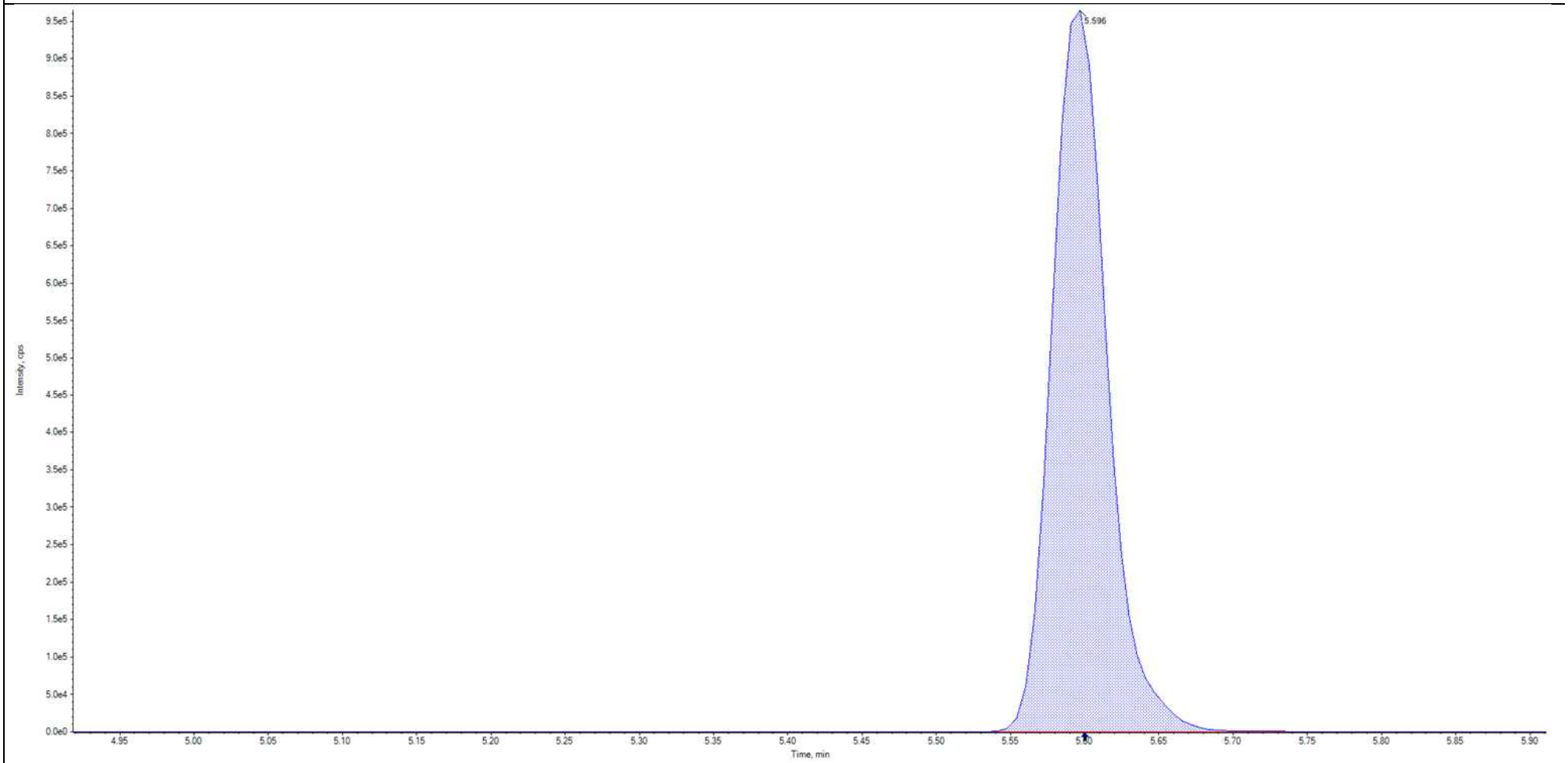
d7-NMeFOSE
Sample: IA1633STD-25



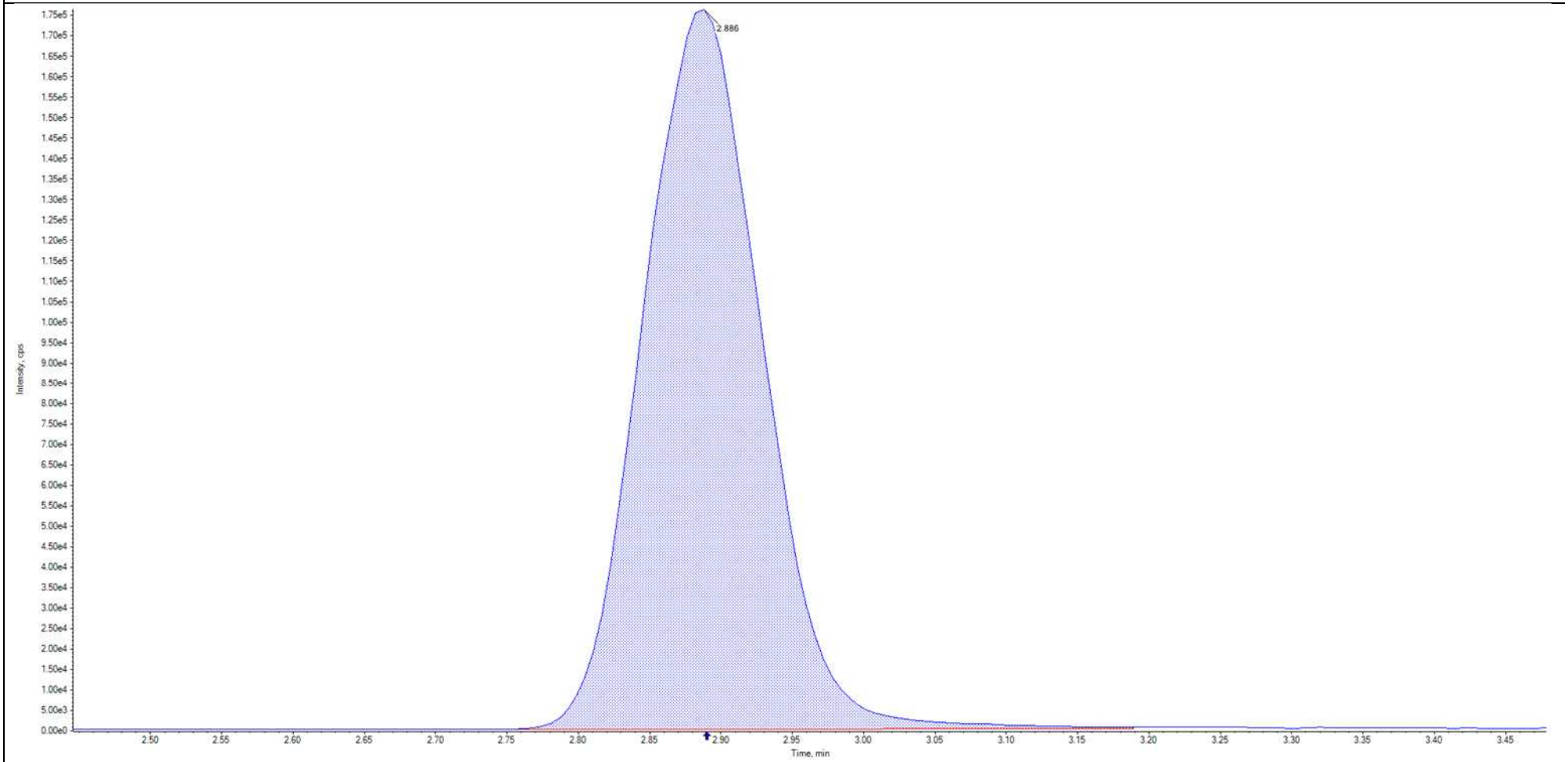
d9-NEtFOSE
Sample: IA1633STD-25



13C3-HFPO-DA
Sample: IA1633STD-25

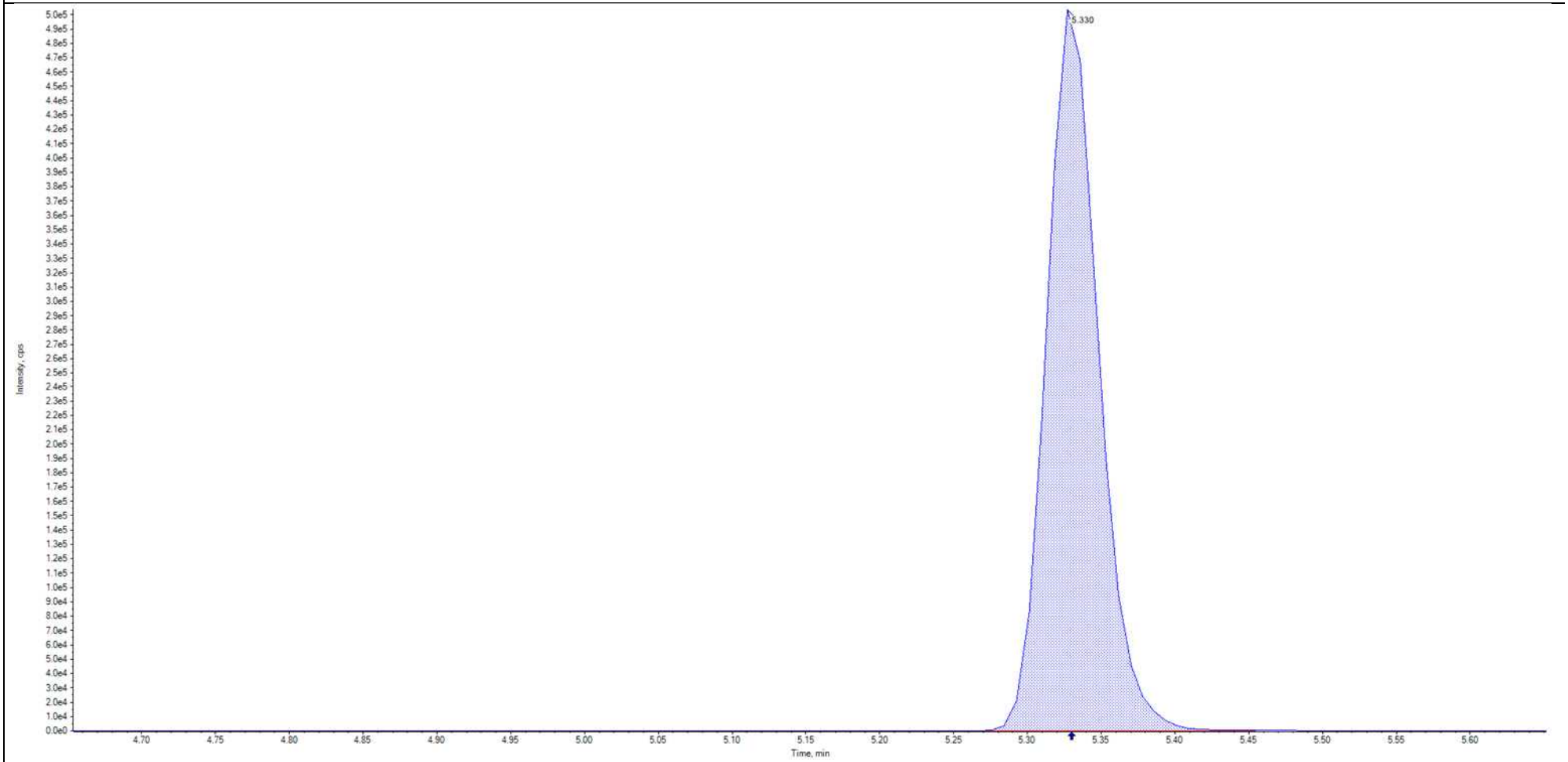


13C3-PFBA
Sample: IA1633STD-25

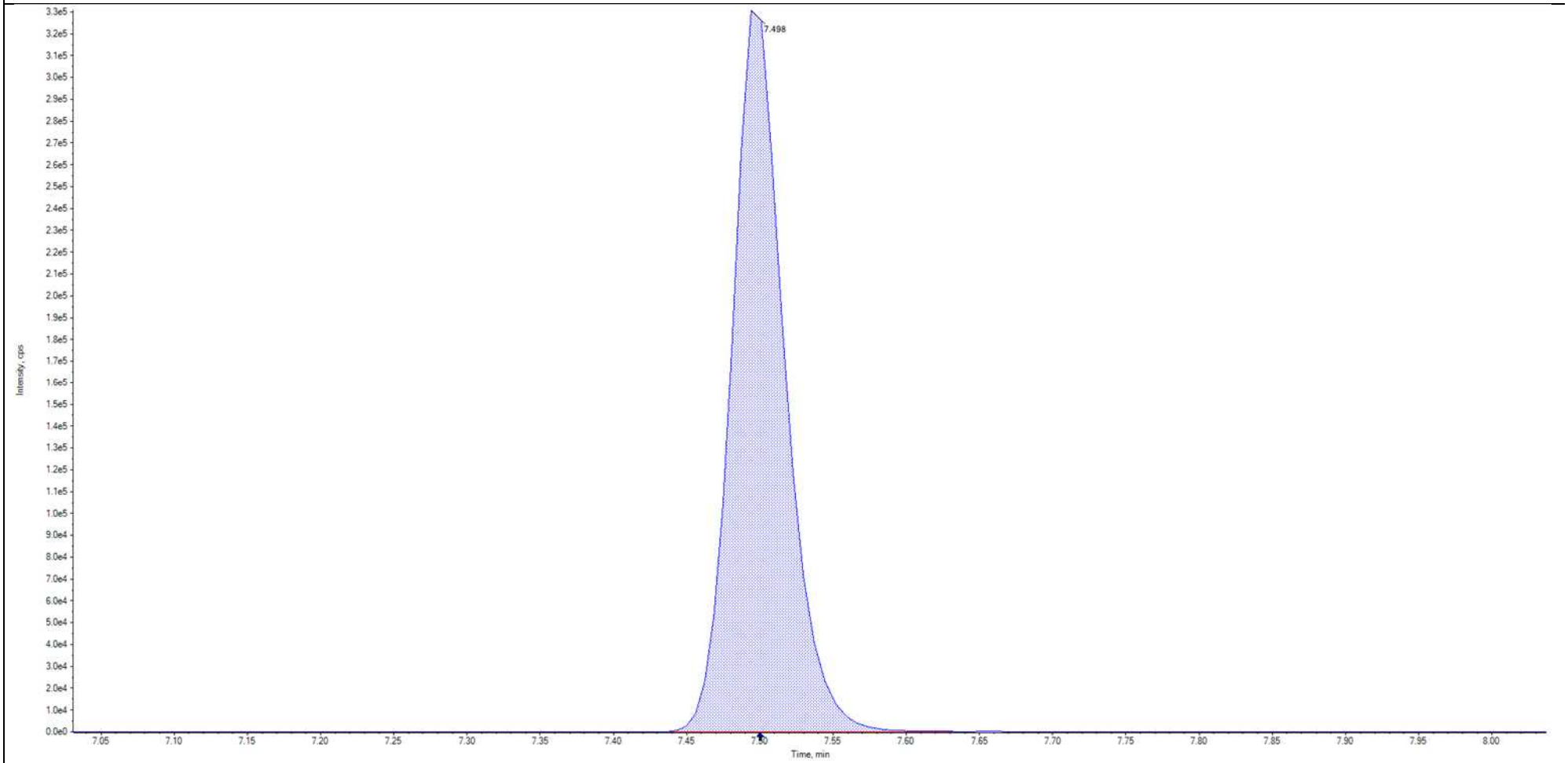


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

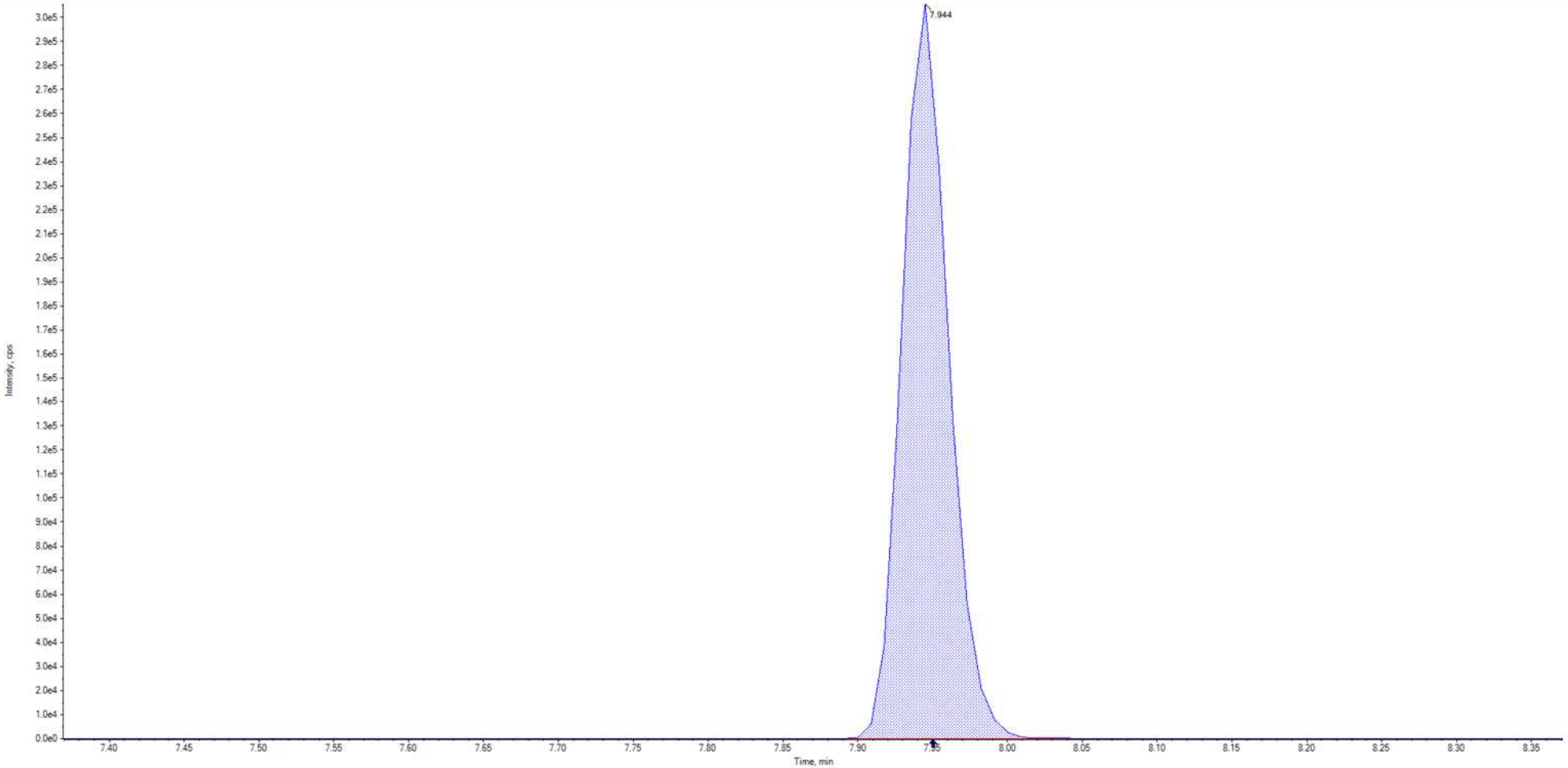
13C2-PFHxA
Sample: IA1633STD-25



13C4-PFOA
Sample: IA1633STD-25

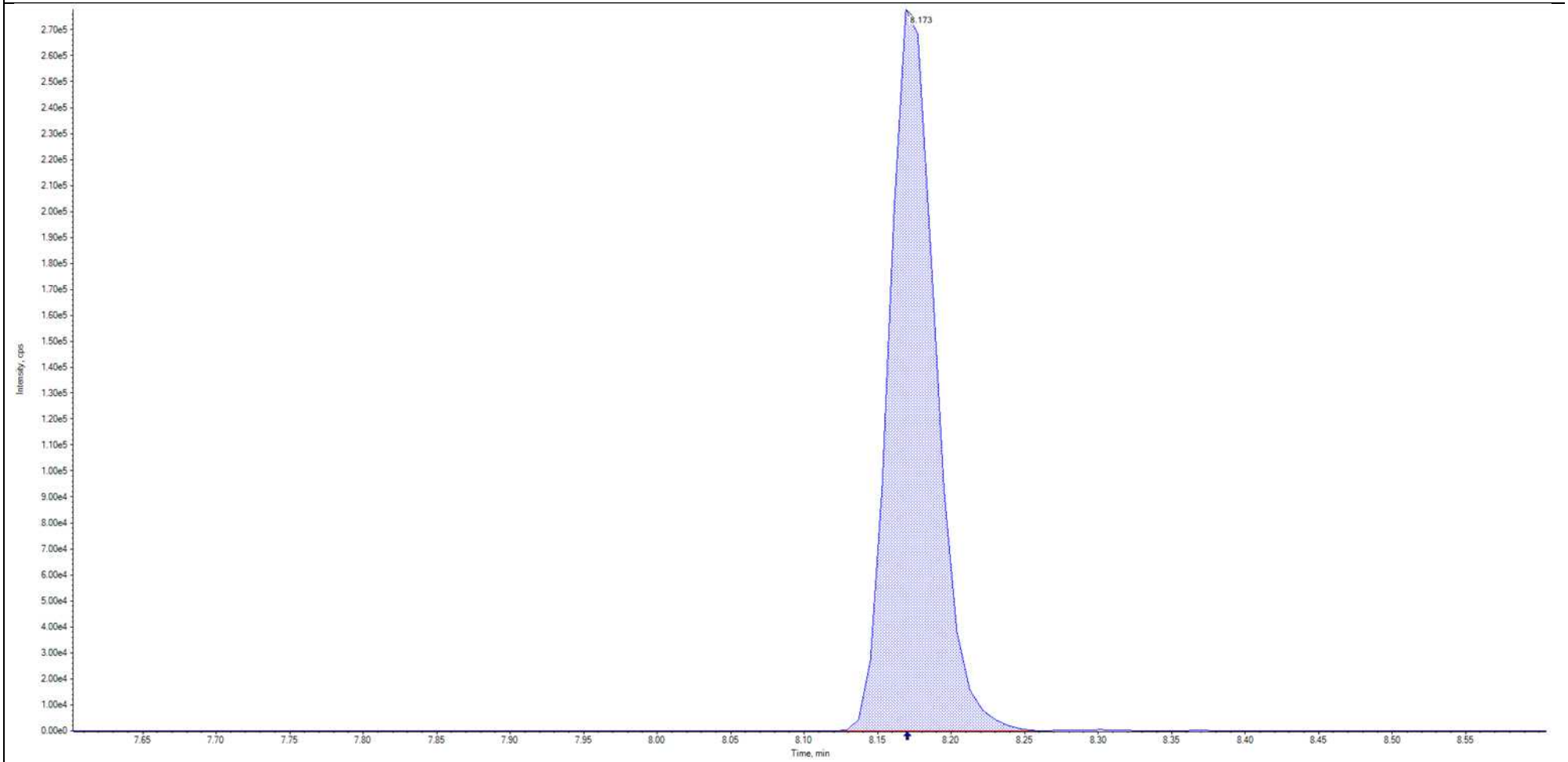


13C5-PFNA
Sample: IA1633STD-25

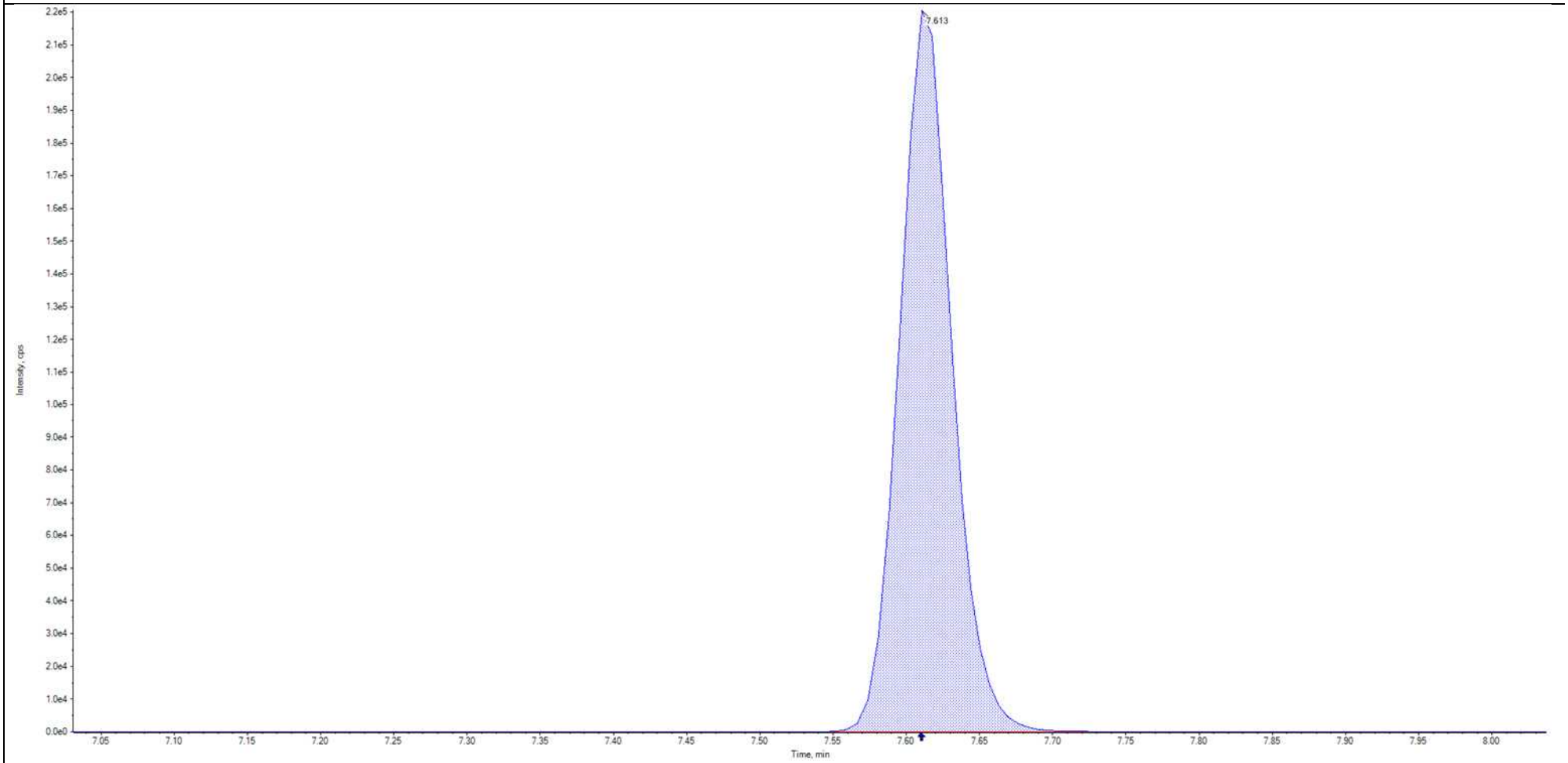


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2-PFDA
Sample: IA1633STD-25

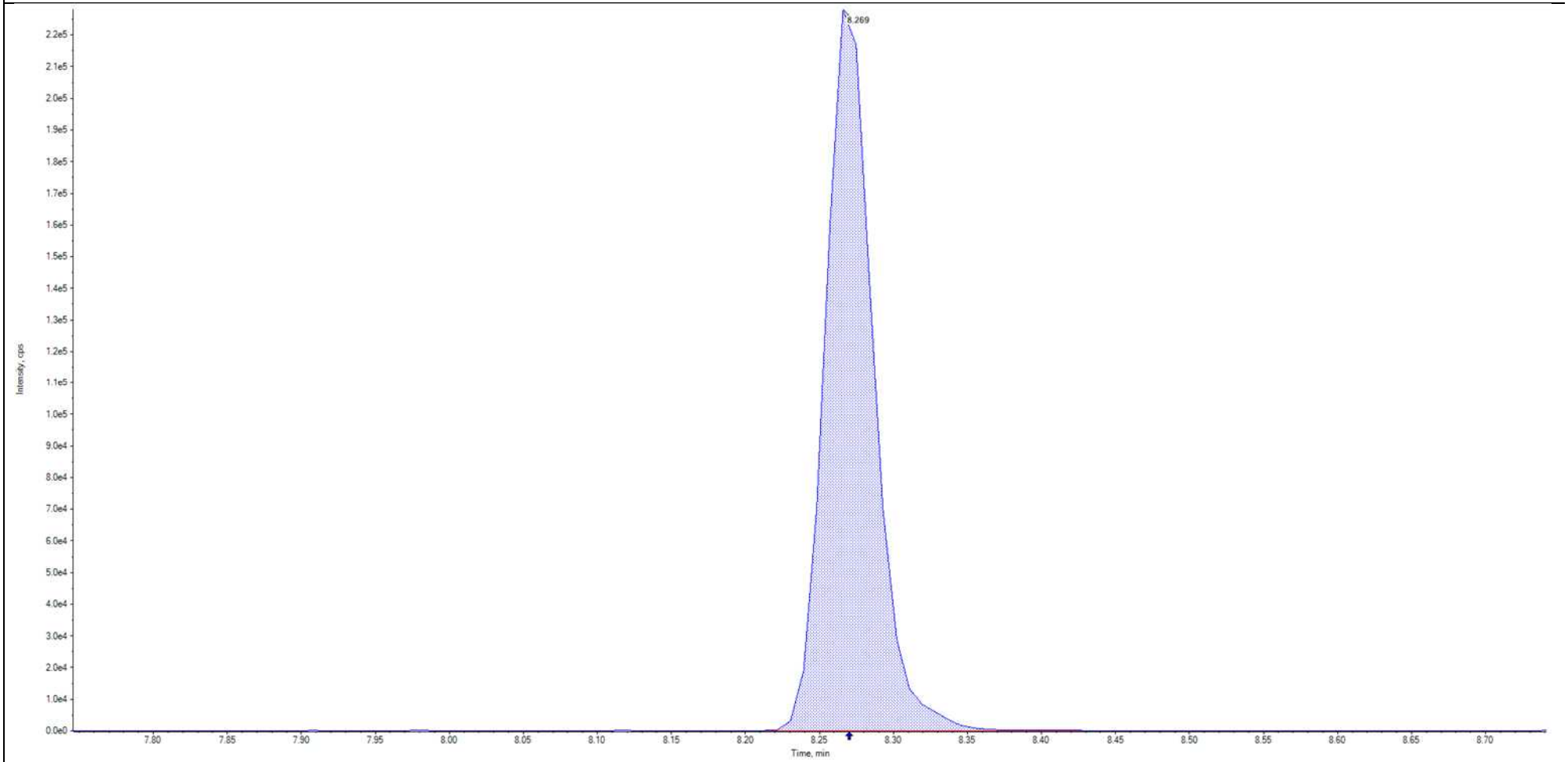


18O2-PFHxS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C4-PFOS
Sample: IA1633STD-25



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_78.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: IA1633STD-62.5
Name: SCI05_240813_79.wiff
Date & Time: 2024-08-13T23:32:17
Description: WG1958909,,,625 ul EPA1633_240813_CAL
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	41238756		257.036	N/A	N/A	N/A	102.8
2	PFPeA	2706-90-3	4.65	263.0 / 219.0	29743263		129.972	0.007	0.007	N/A	104.0
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	204295		126.434	0.007	0.007	N/A	101.2
4	PFHxA	307-24-4	5.34	313.0 / 269.0	26624209		57.960	0.074	0.072	Pass	92.7
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	1966660		57.944	0.074	0.072	Pass	92.7
6	PFHpA	375-85-9	6.25	363.1 / 319.0	27365507		62.077	0.312	0.297	Pass	99.3
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	8530598		63.237	0.312	0.297	Pass	101.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	18218936	M5	66.636	0.539	0.586	Pass	106.6
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	9811452	M7	65.495	0.539	0.586	Pass	104.8
10	PFNA	375-95-1	7.95	462.8 / 418.9	22763835	M5	64.916	0.315	0.313	Pass	103.9
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	7163225	M7	66.844	0.315	0.313	Pass	107.0
12	PFDA	335-76-2	8.18	513.1 / 469.1	21763691		59.208	0.160	0.142	Pass	94.7
13	PFDA_2	335-76-2	8.18	513.1 / 219.0	3472002		63.023	0.160	0.142	Pass	100.8
14	PFUnA	2058-94-8	8.47	563.1 / 519.1	17004399		65.595	0.194	0.194	Pass	105.0
15	PFUnA_2	2058-94-8	8.47	563.1 / 269.0	3303497		65.785	0.194	0.194	Pass	105.3
16	PFDoA	307-55-1	8.90	613.1 / 569.1	20644301		55.749	0.173	0.167	Pass	89.2
17	PFDoA_2	307-55-1	8.90	613.1 / 319.0	3571949		57.099	0.173	0.167	Pass	91.4
18	PFTrDA	72629-94-8	9.50	663.1 / 619.1	13521775		61.280	0.207	0.228	Pass	98.1
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	2800725		56.989	0.207	0.228	Pass	91.2
20	PFTeDA	376-06-7	9.91	713.1 / 669.1	20696767		53.617	0.140	0.137	Pass	85.8
21	PFTeDA_2	376-06-7	9.91	713.1 / 169.0	2887576		54.691	0.140	0.137	Pass	87.5
22	PFBS	375-73-5	5.32	299.1 / 80.1	17476522		59.577	0.387	0.396	Pass	107.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	6771764		57.902	0.387	0.396	Pass	104.5
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	15870136		63.007	0.301	0.299	Pass	107.1
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	4778696		62.902	0.301	0.299	Pass	107.0
26	PFHxS	355-46-4	7.62	399.1 / 80.1	13905841	M5	58.995	0.307	0.315	Pass	103.3
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	4263367	M7	58.239	0.307	0.315	Pass	102.0
28	PFHpS	375-92-8	8.02	449.1 / 80.1	14651286		61.765	0.289	0.287	Pass	103.7
29	PFHpS_2	375-92-8	8.02	449.1 / 99.1	4241343		61.006	0.289	0.287	Pass	102.4
30	PFOS	1763-23-1	8.27	499.1 / 80.1	15218317	M5	60.256	0.235	0.238	Pass	103.9
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	3573585		57.753	0.235	0.238	Pass	99.6
32	PFNS	68259-12-1	8.63	549.1 / 80.1	9187351		56.660	0.300	0.301	Pass	94.2
33	PFNS_2	68259-12-1	8.63	549.1 / 99.1	2758938		56.179	0.300	0.301	Pass	93.4
34	PFDS	335-77-3	9.14	599.1 / 80.1	10136479		63.461	0.276	0.275	Pass	105.2
35	PFDS_2	335-77-3	9.14	599.1 / 99.1	2801647		63.629	0.276	0.275	Pass	105.5
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	9057070		61.909	0.269	0.274	Pass	102.1
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	2431849		60.498	0.269	0.274	Pass	99.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.14	327.1 / 307.1	23137425		193.973	0.556	0.516	Pass	82.8
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	12857638		201.493	0.556	0.516	Pass	86.0
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	16231198		215.162	0.570	0.565	Pass	90.6
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	9247868		226.647	0.570	0.565	Pass	95.4
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	15163258		206.092	0.704	0.662	Pass	85.9
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	10675747		213.920	0.704	0.662	Pass	89.1
44	PFOSA	754-91-6	9.54	498.1 / 78.1	15046966	M5	72.144	0.024	0.025	Pass	115.4
45	PFOSA_2	754-91-6	9.54	498.1 / 478.0	366823	M7	67.032	0.024	0.025	Pass	107.3
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	4433790	M5	66.397	1.431	1.551	Pass	106.2
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	6344764	M7	61.315	1.431	1.551	Pass	98.1
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	4230356	M5	64.647	1.316	1.285	Pass	103.4
49	NEtFOSA_2	4151-50-2	10.35	526.2 / 169.0	5567473	M7	63.557	1.316	1.285	Pass	101.7
50	NMeFOSAA	2355-31-9	8.23	570.2 / 419.1	5124216		73.109	0.577	0.700	Pass	117.0
51	NMeFOSAA_2	2355-31-9	8.23	570.2 / 483.0	2957556	M7	66.352	0.577	0.700	Pass	106.2
52	NEtFOSAA	2991-50-6	8.37	584.2 / 419.1	4386182		69.025	0.452	0.487	Pass	110.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	1981443	M7	67.761	0.452	0.487	Pass	108.4
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	84038487	M5	676.347	N/A	N/A	N/A	108.2
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	124215059	M5	634.255	N/A	N/A	N/A	101.5
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	56235106		249.987	0.429	0.464	Pass	100.0
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	24139214		230.767	0.429	0.464	Pass	92.3
58	ADONA	919005-14-4	6.72	377.1 / 251.0	117900625		230.458	0.628	0.634	Pass	97.6
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	74032171		223.648	0.628	0.634	Pass	94.7
60	9Cl-PF3ONS	756426-58-1	8.50	530.8 / 351.1	92226023		182.829	0.348	0.322	Pass	78.2
61	9Cl-PF3ONS_2	756426-58-1	8.50	532.8 / 353.0	32083911		195.313	0.348	0.322	Pass	83.6
62	11Cl-PF3OUdS	763051-92-9	9.57	630.9 / 451.0	65219566		204.689	0.349	0.331	Pass	86.6
63	11Cl-PF3OUdS_2	763051-92-9	9.57	632.9 / 452.9	22782235		212.450	0.349	0.331	Pass	89.9
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	120353707		1444.284	0.958	0.953	Pass	92.4
67	5:3FTCA_2	914637-49-3	7.16	341.1 / 217.0	115277893		1461.981	0.958	0.953	Pass	93.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	Pass	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	Pass	N/A
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	87964966		110.377	0.086	0.087	Pass	99.2
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	7602156		110.416	0.086	0.087	Pass	99.3
72	PFMPA	377-73-1	3.86	229.0 / 85.0	3753262		135.501	N/A	N/A	N/A	108.4
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	49534492		132.632	N/A	N/A	N/A	106.1
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	10150512		120.983	0.838	0.910	Pass	96.8
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	8510213		110.645	0.838	0.910	Pass	88.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	835350		4.789	N/A	N/A	N/A	95.8
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3061091		2.255	N/A	N/A	N/A	90.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	1978403		9.573	NA	NA	NA	95.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1241019		4.479	NA	NA	NA	89.6
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	942506		2.590	NA	NA	NA	103.6
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	941065		2.583	NA	NA	NA	103.3
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1313780		2.144	NA	NA	NA	85.7
	13C9-PFNA	EIS	7.95	472.0 / 427.0	598825		1.163	NA	NA	NA	93.1
	13C6-PFDA	EIS	8.17	519.0 / 474.0	533177		1.147	NA	NA	NA	91.8
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	410077		1.090	NA	NA	NA	87.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	355956		1.455	NA	NA	NA	116.4
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	385088		1.450	NA	NA	NA	116.0
	13C3-PFBS	EIS	5.31	302.1 / 80.1	699173		2.151	NA	NA	NA	92.3
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	590522		2.288	NA	NA	NA	96.5
	13C8-PFOS	EIS	8.27	507.1 / 80.1	614865		2.280	NA	NA	NA	95.2
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	285459		4.922	NA	NA	NA	104.9
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	218658		5.144	NA	NA	NA	108.2
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	278637		4.479	NA	NA	NA	93.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	780144		2.176	NA	NA	NA	87.0
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	155908		2.583	NA	NA	NA	103.3
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	148962		2.527	NA	NA	NA	101.1
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	532599		3.903	NA	NA	NA	78.1
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	340803		4.753	NA	NA	NA	95.1
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1259175		27.016	NA	NA	NA	108.1
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1668328		24.278	NA	NA	NA	97.1

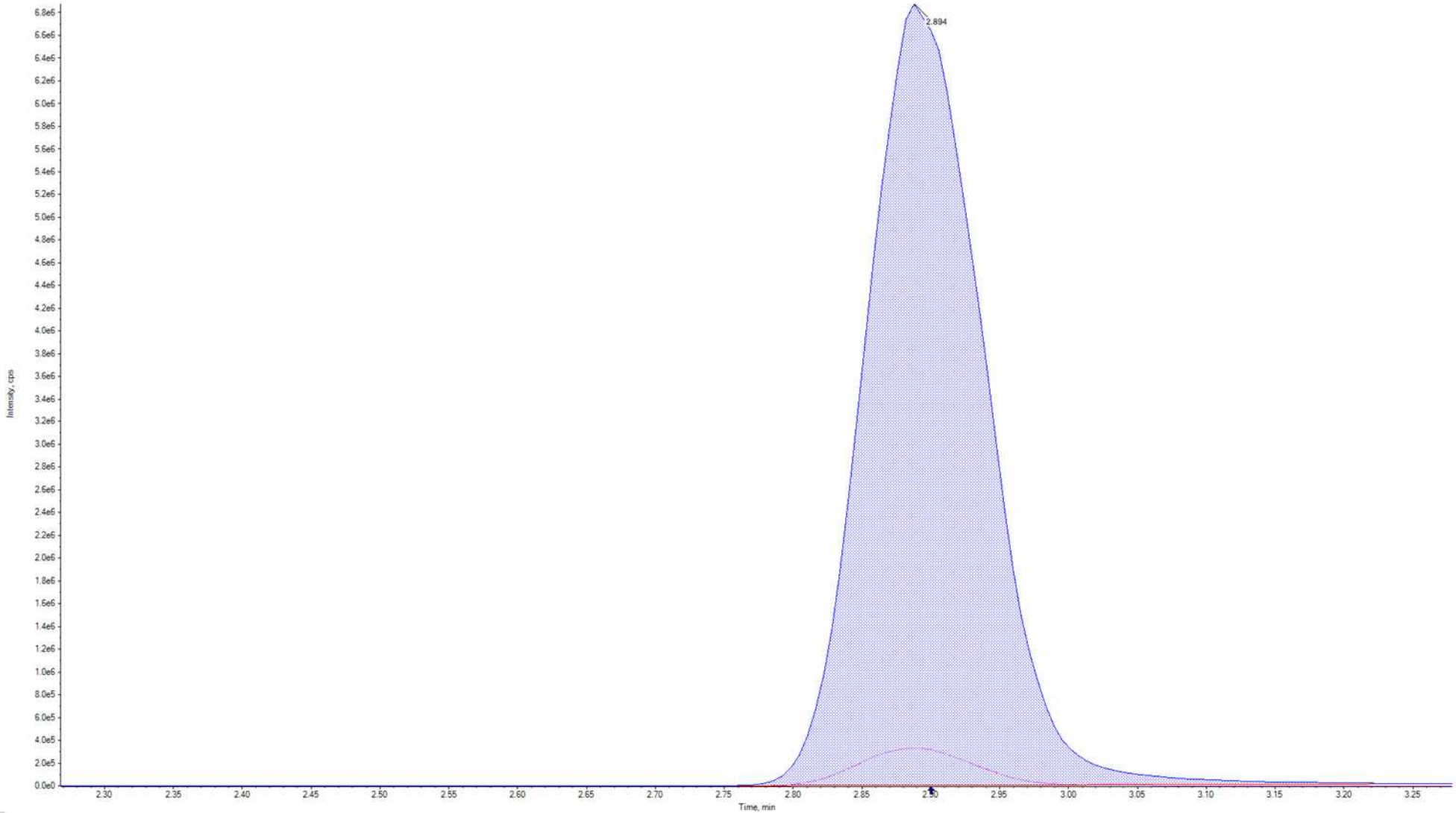
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2453919		10.174	NA	NA	NA	101.7
	13C3-PFBA	NIS	2.89	216.0 / 172.0	904042		4.228	NA	NA	NA	84.6
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1080583		2.207	NA	NA	NA	88.3
	13C4-PFOA	NIS	7.49	417.0 / 372.0	801802		2.561	NA	NA	NA	102.5
	13C5-PFNA	NIS	7.94	468.0 / 423.0	627158		1.145	NA	NA	NA	91.6
	13C2-PFDA	NIS	8.17	515.1 / 470.1	545978		1.065	NA	NA	NA	85.2
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	524658		2.239	NA	NA	NA	94.5
	13C4-PFOS	NIS	8.27	503.1 / 80.1	477048		2.266	NA	NA	NA	94.6

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

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

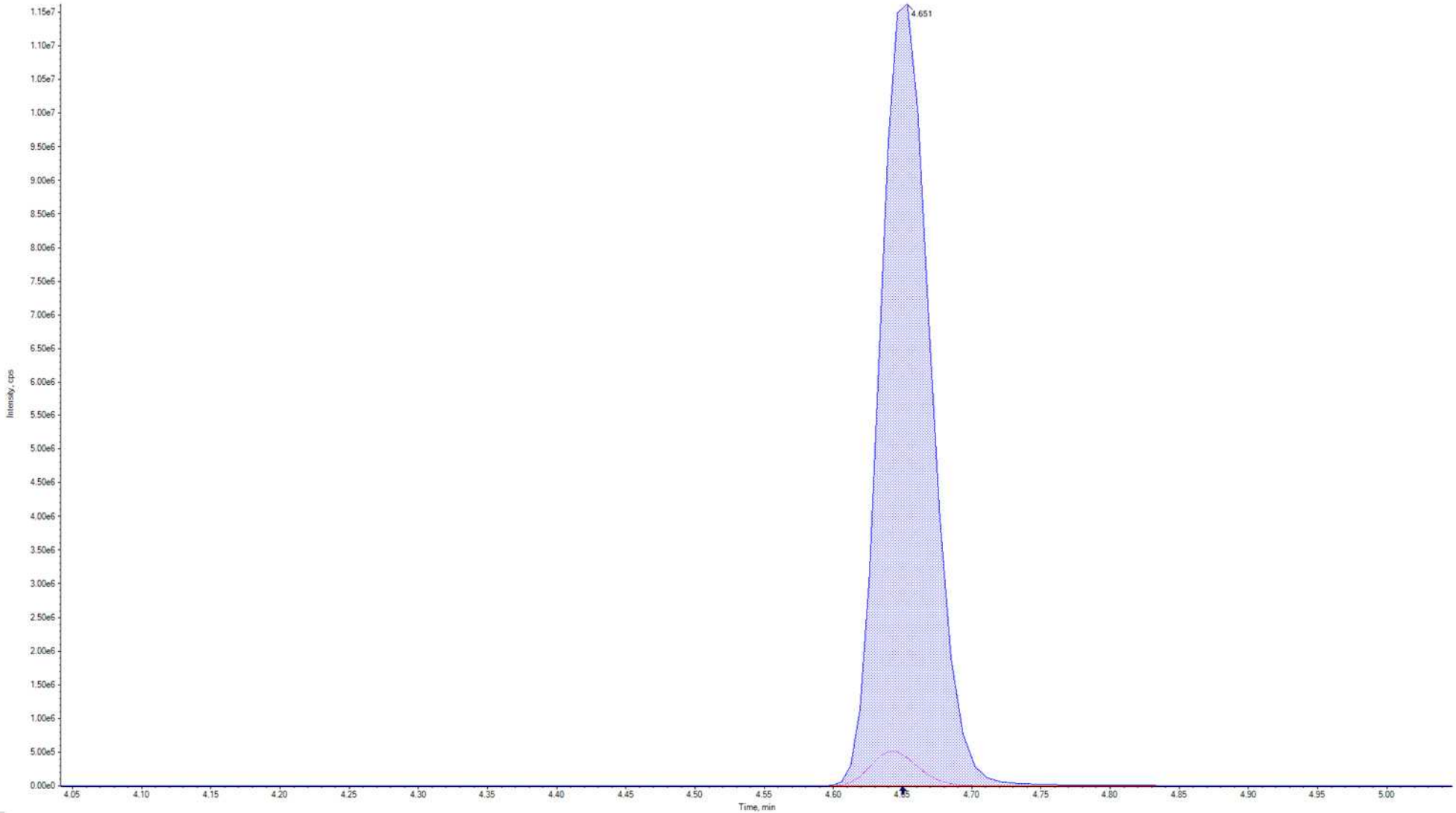
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBA
Sample: IA1633STD-62.5 S/N:7592.8 Points Across peak:82



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeA
Sample: IA1633STD-62.5 S/N:9629.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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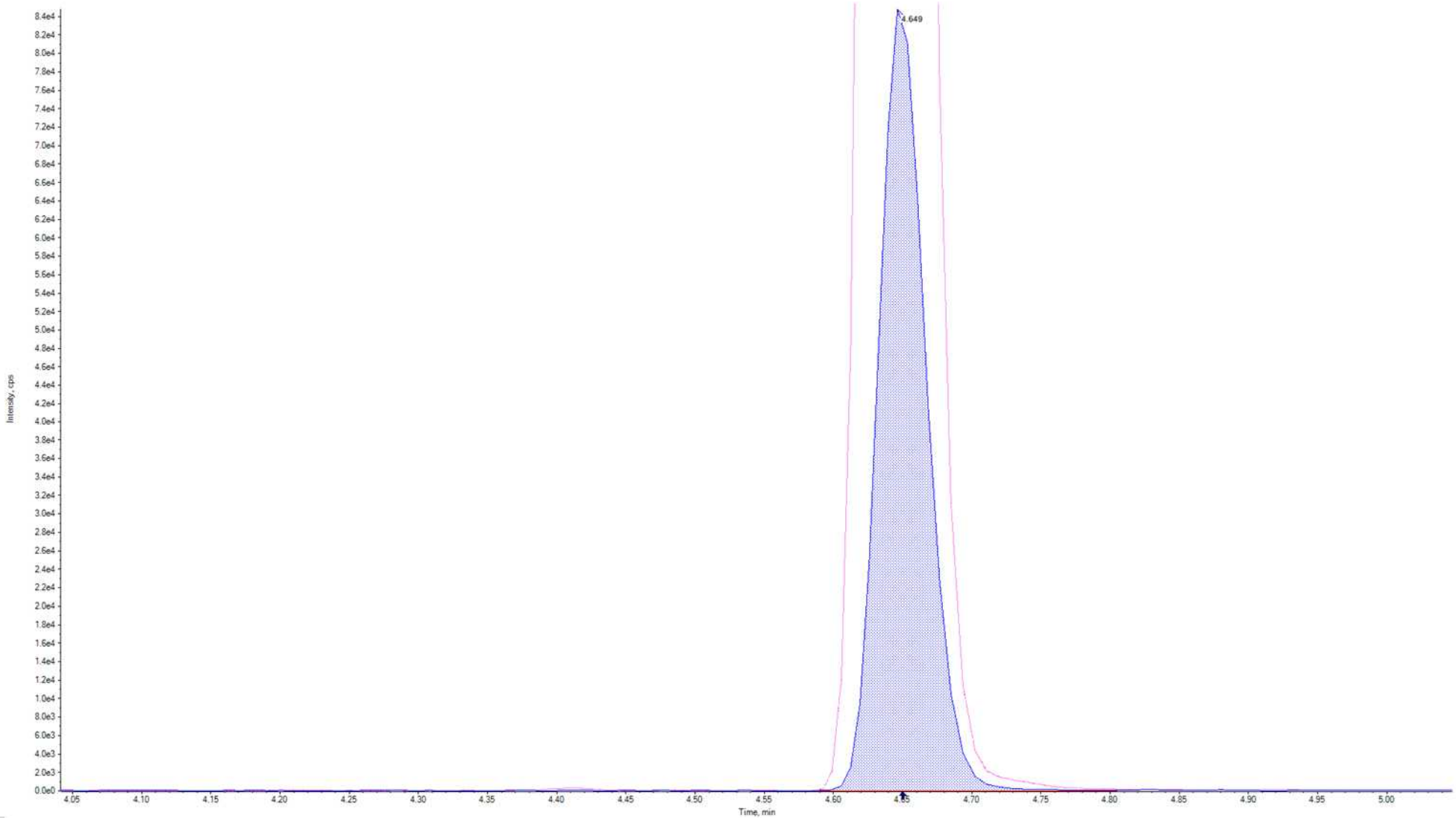
Generated: 8/14/2024 6:27:11 AM

PFPeA_2
Sample: IA1633STD-62.5 S/N:5093.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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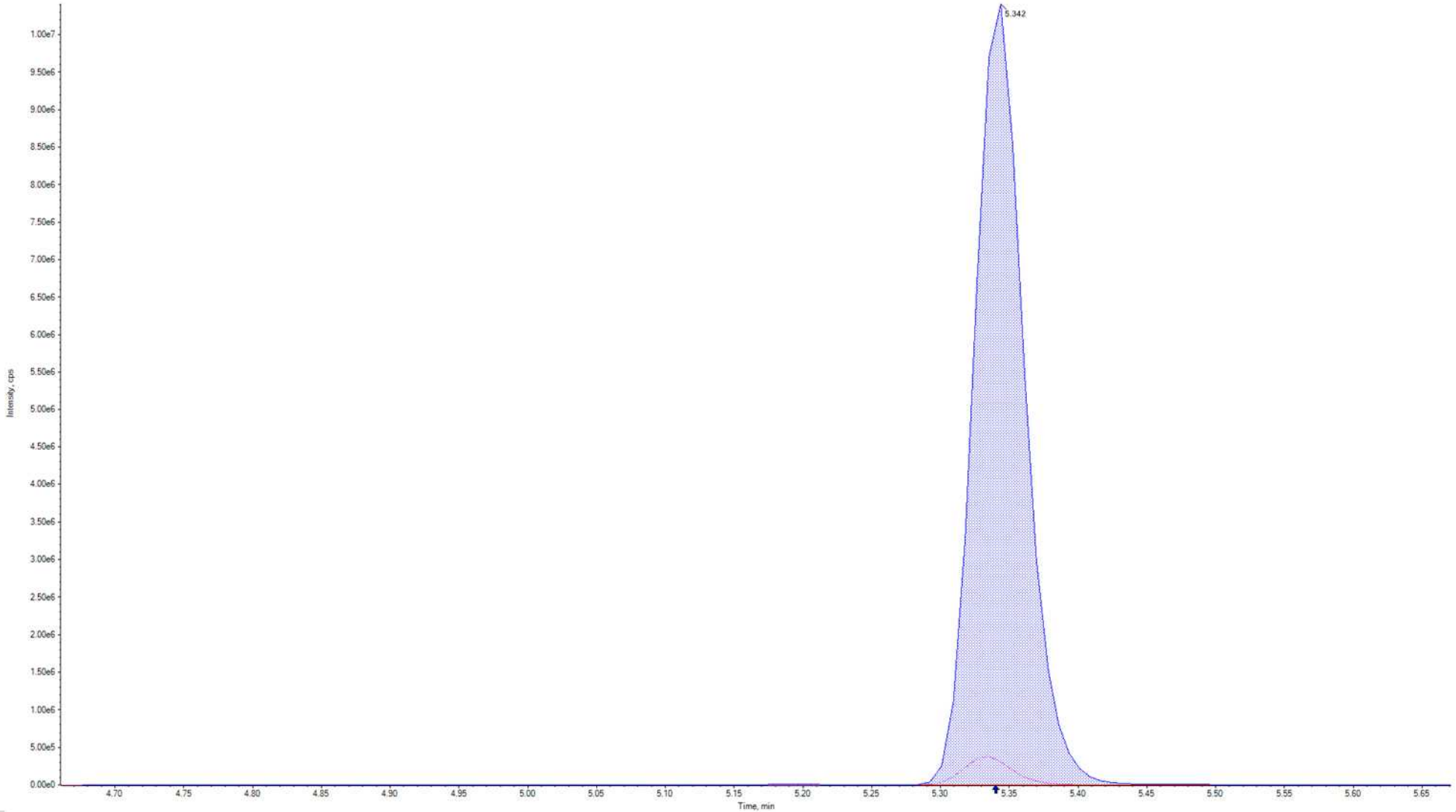
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxA
Sample: IA1633STD-62.5 S/N:4600.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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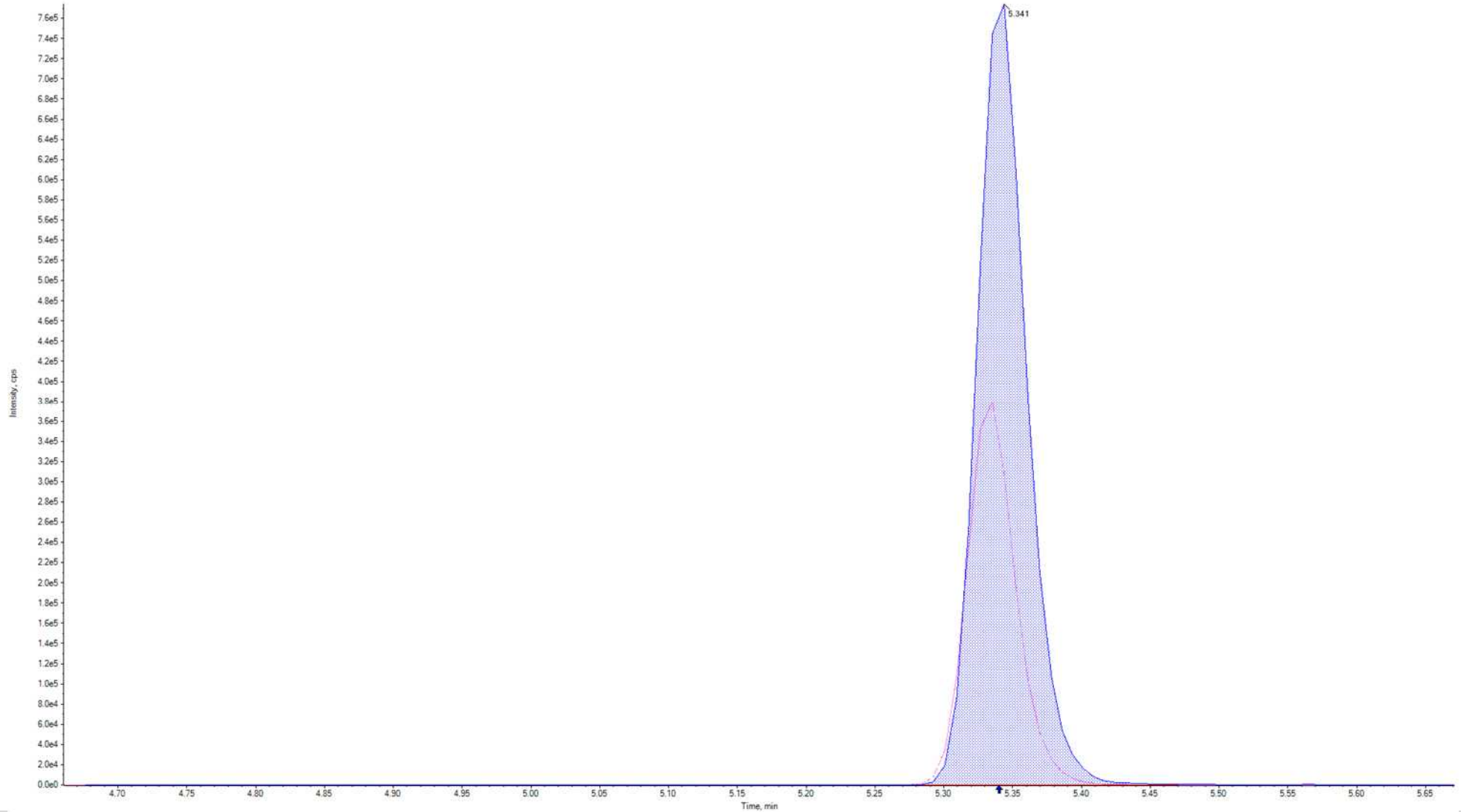
PFHxA_2
Sample: IA1633STD-62.5 S/N:3785.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 8/14/2024 10:41:29 AM
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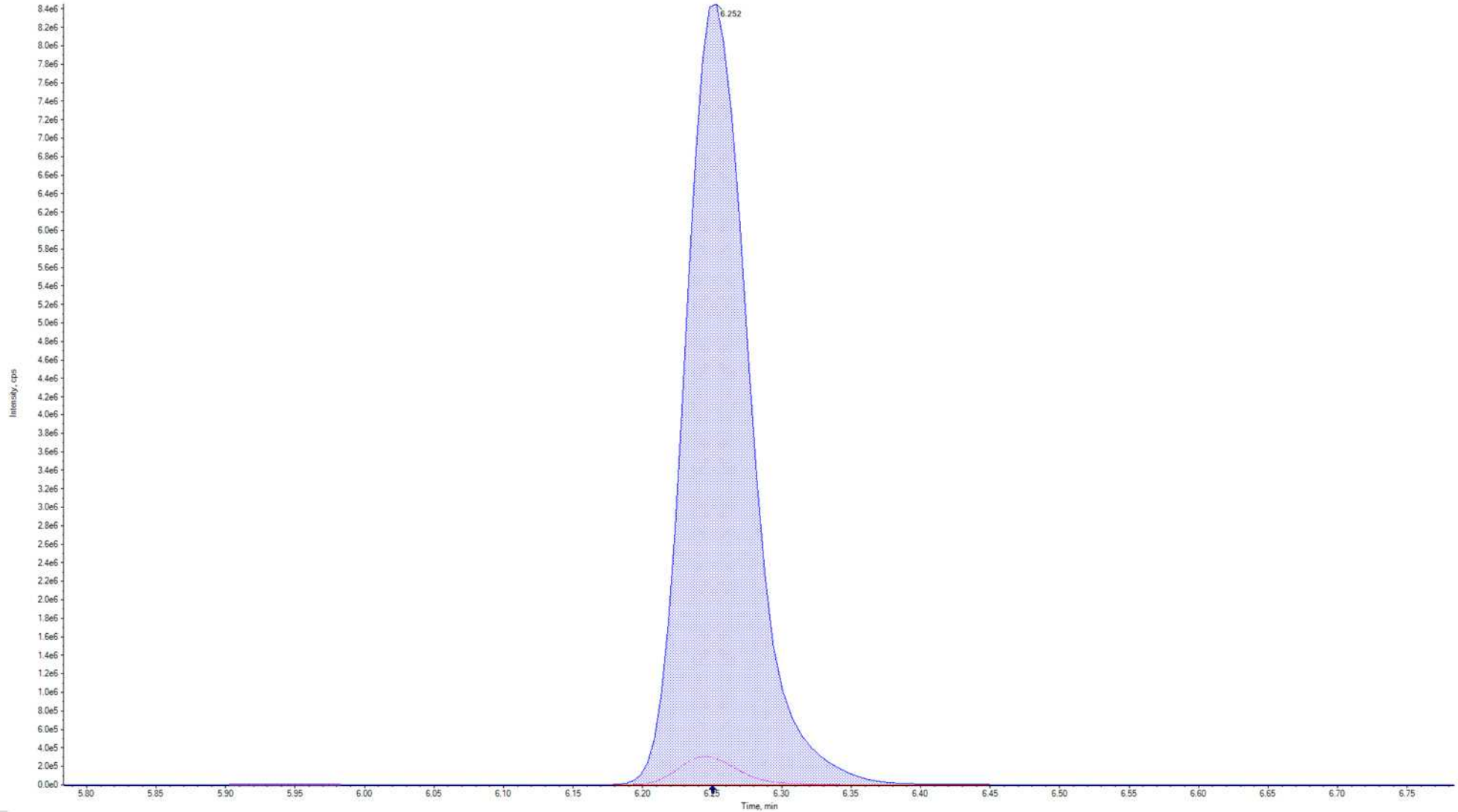
PFHpA
Sample: IA1633STD-62.5 S/N:9844.2 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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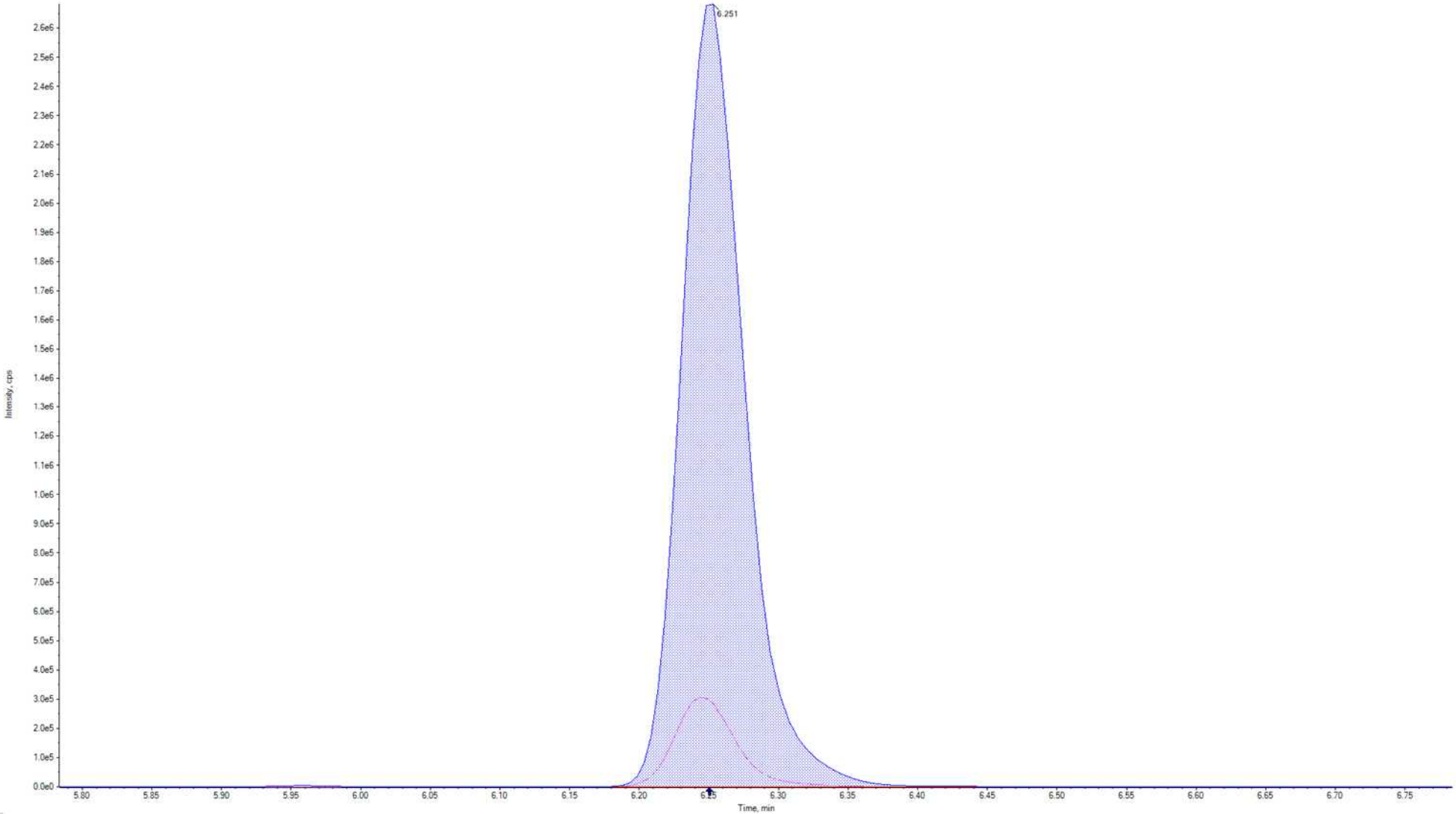
PFHpA_2
Sample: IA1633STD-62.5 S/N:28626.7 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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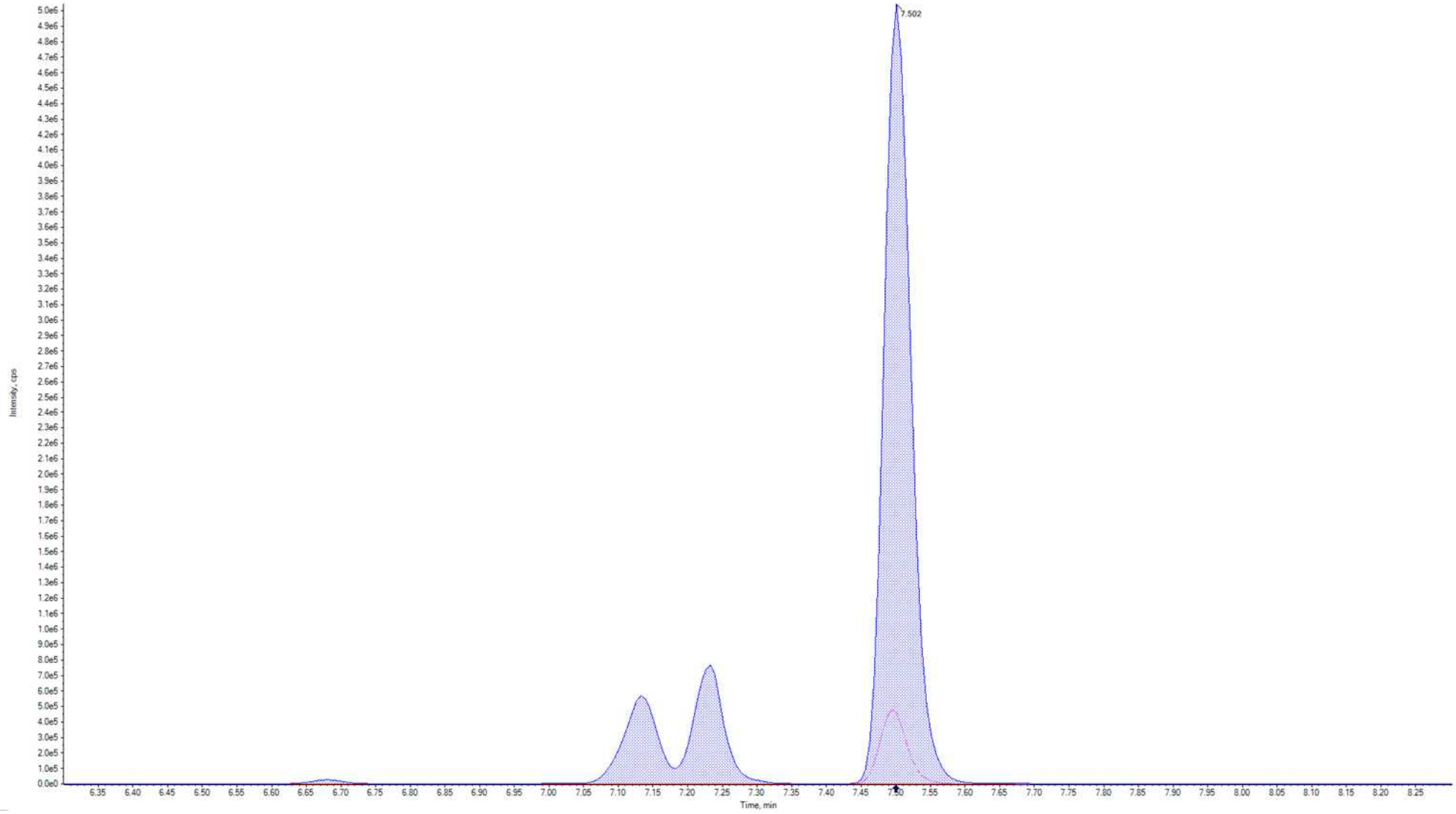
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA
Sample: IA1633STD-62.5 S/N:6395.3 Points Across peak:163



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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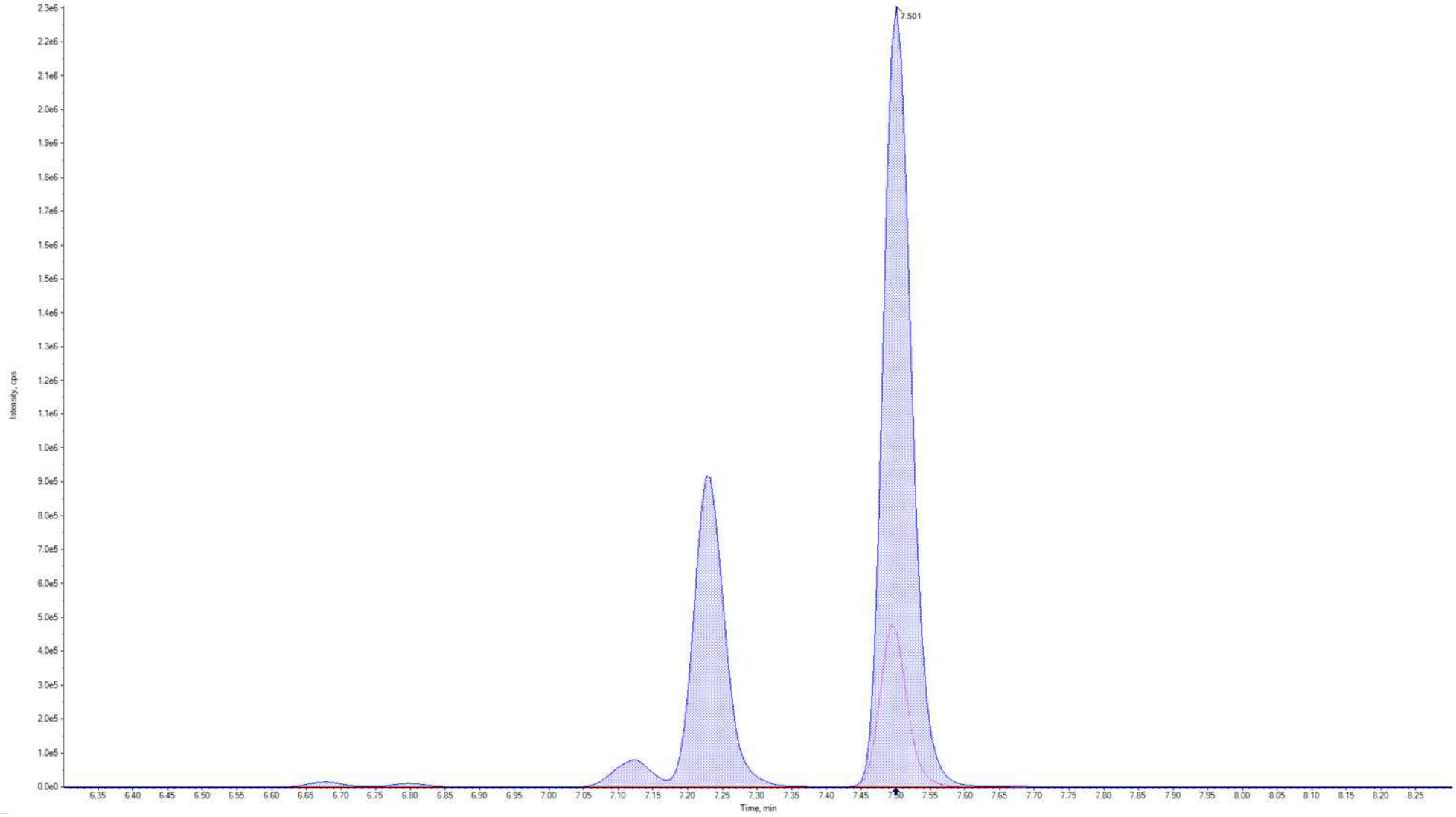
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOA_2
Sample: IA1633STD-62.5 S/N:68293.3 Points Across peak:163



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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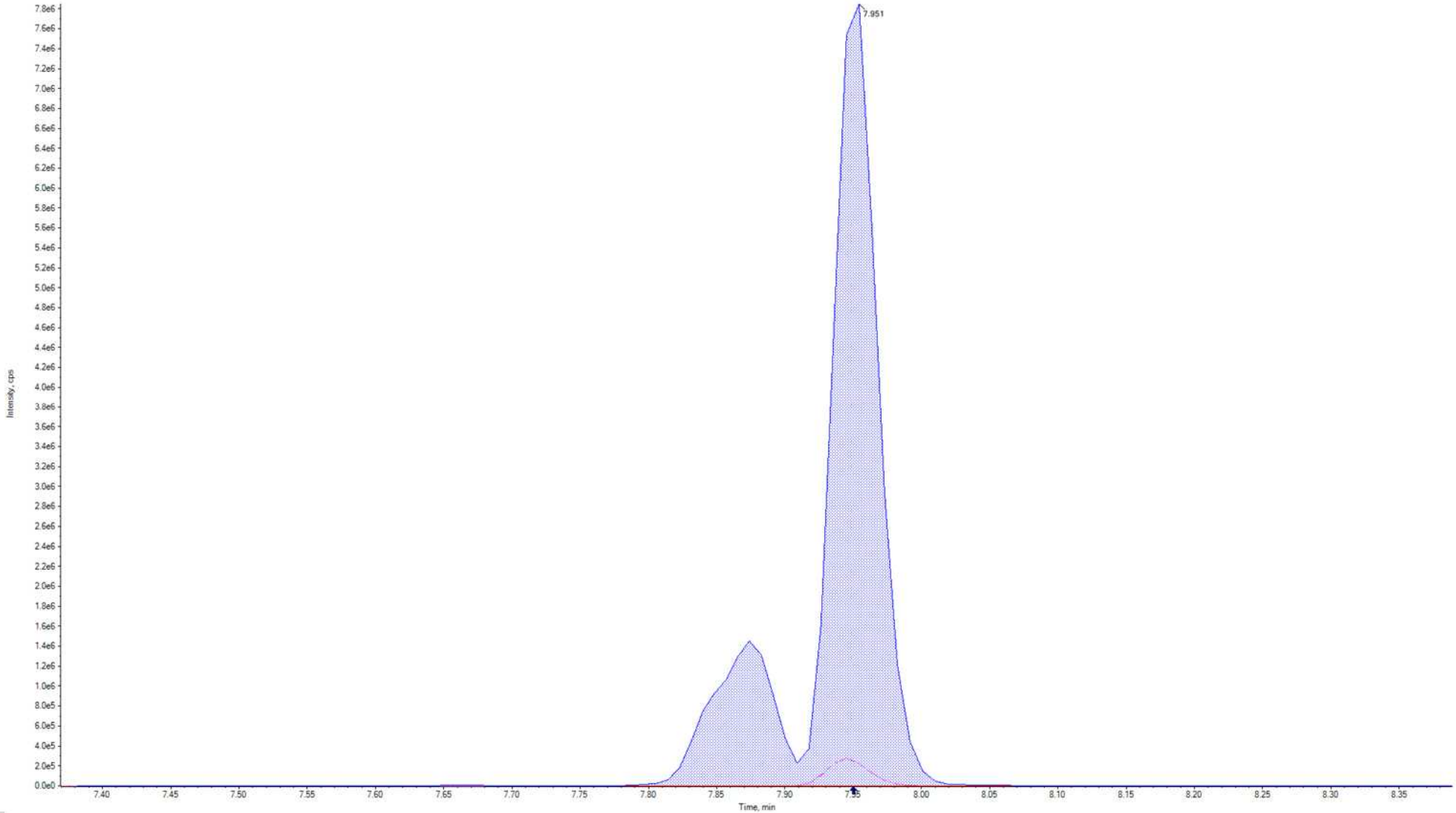
Generated: 8/14/2024 6:27:11 AM

PFNA
Sample: IA1633STD-62.5 S/N:5977.9 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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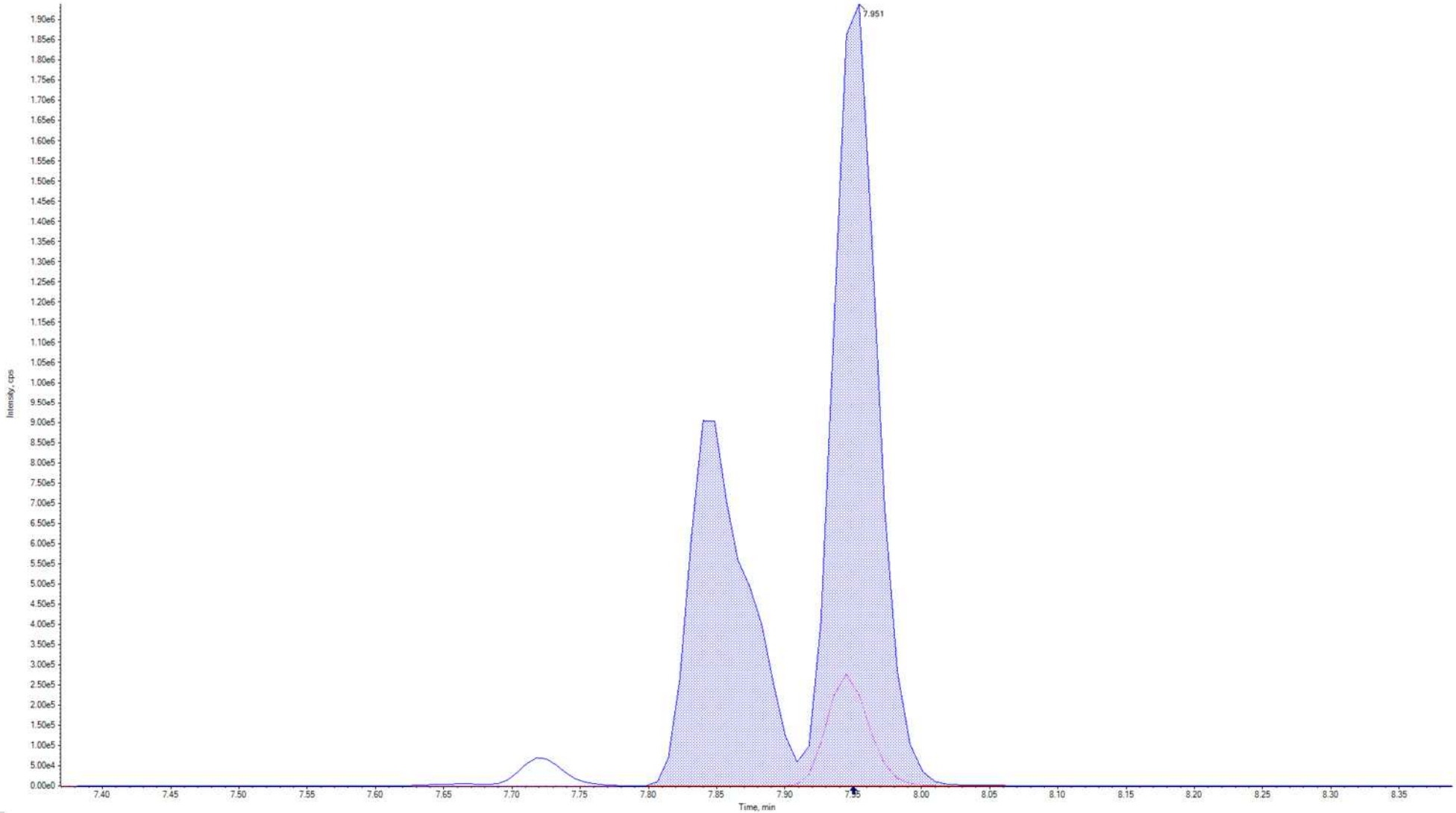
Generated: 8/14/2024 6:27:11 AM

PFNA_2
Sample: IA1633STD-62.5 S/N:1566.4 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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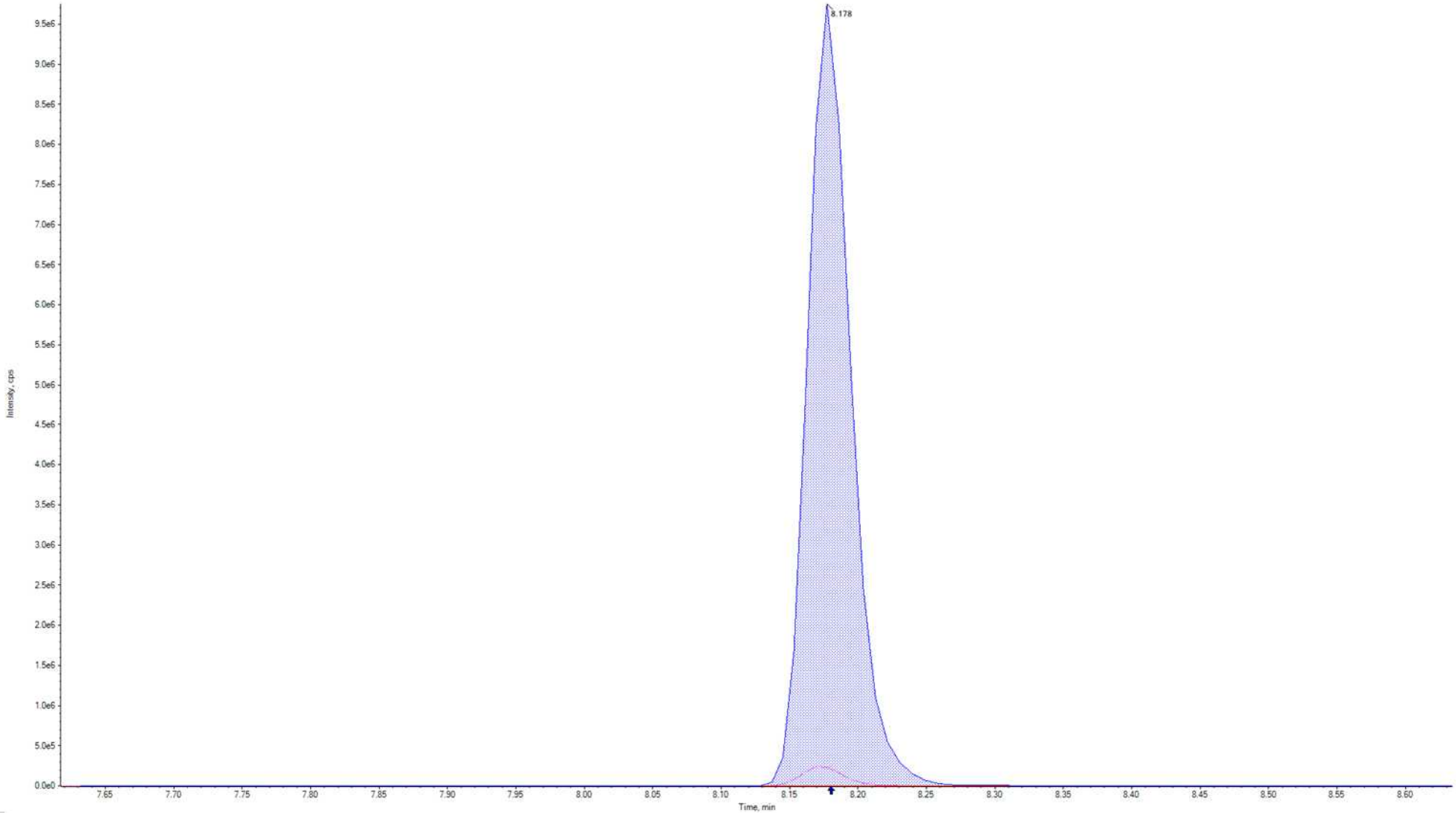
Generated: 8/14/2024 6:27:11 AM

PFDA
Sample: IA1633STD-62.5 S/N:10646.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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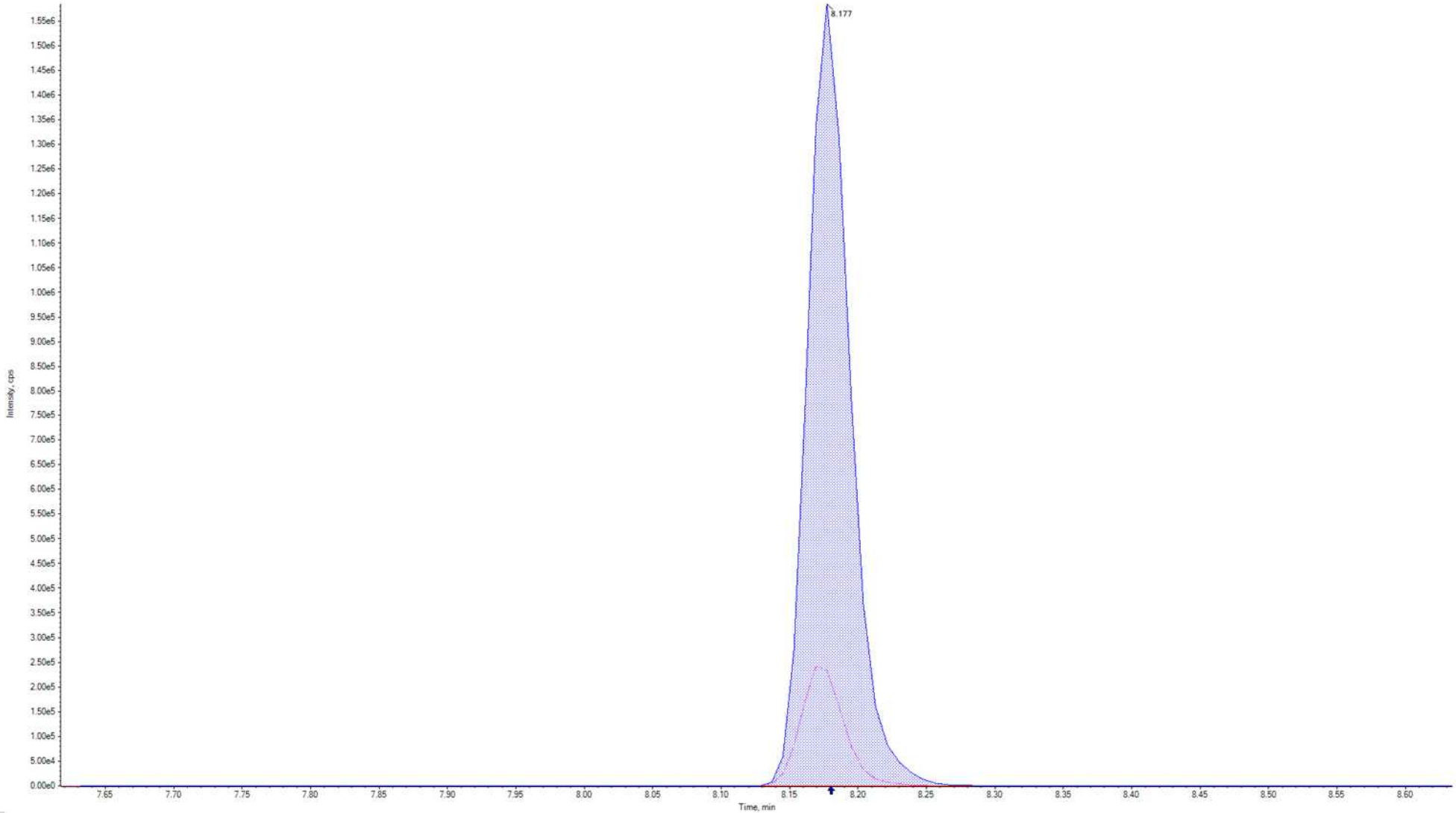
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDA_2
Sample: IA1633STD-62.5 S/N:1948394.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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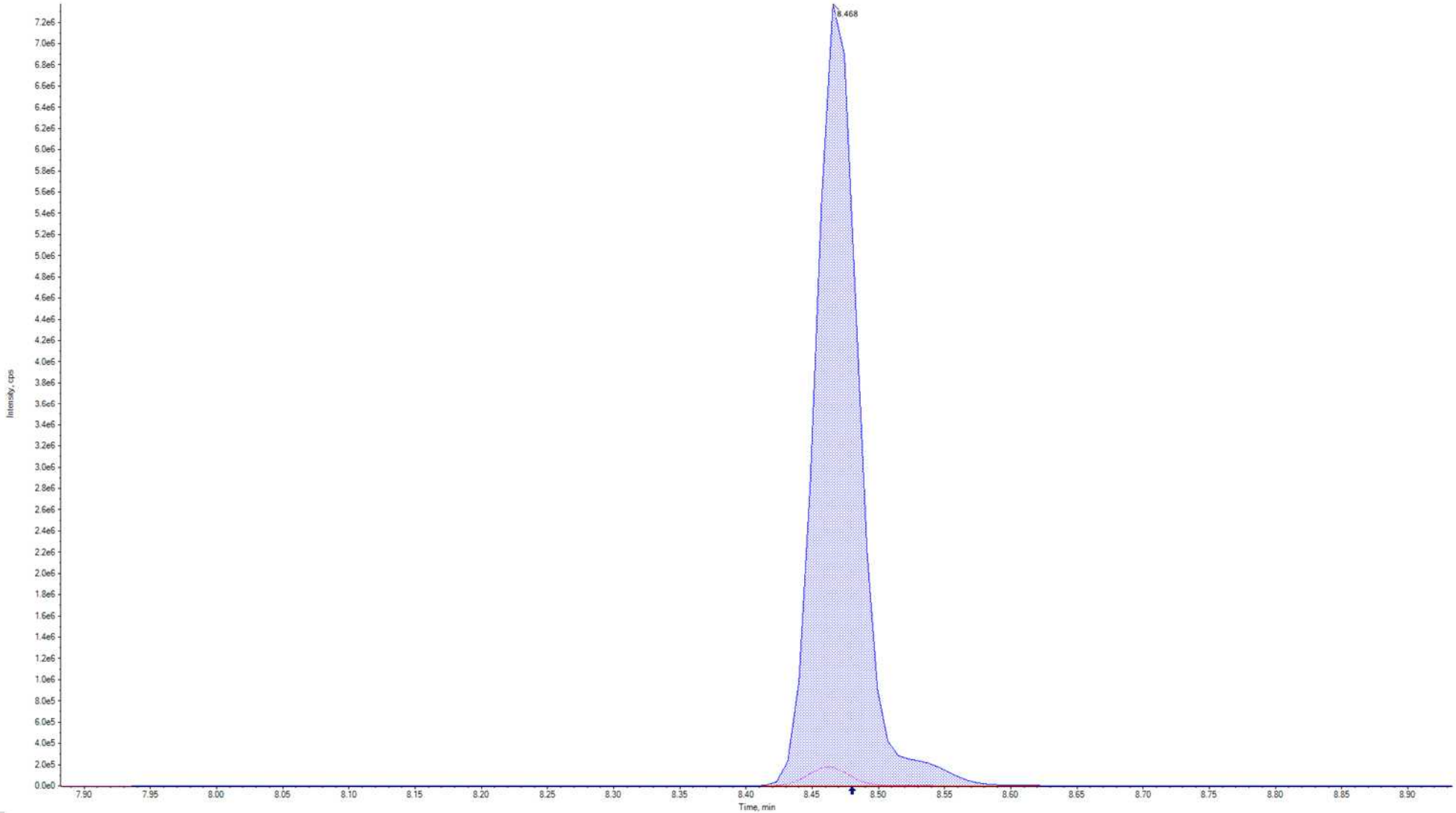
Generated: 8/14/2024 6:27:11 AM

PFUnA
Sample: IA1633STD-62.5 S/N:10439.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFUnA_2
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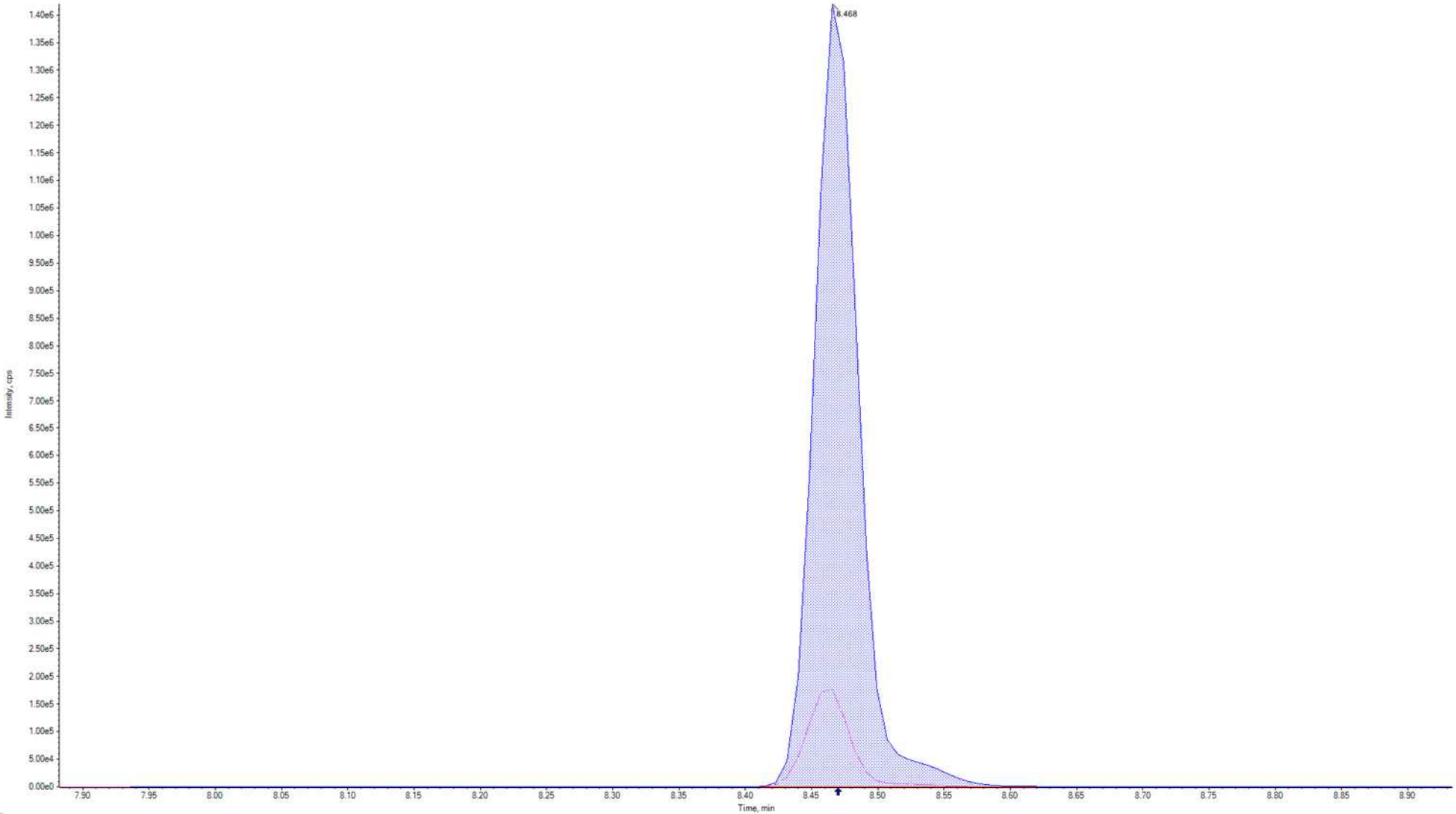

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 6:27:11 AM

PFDoA
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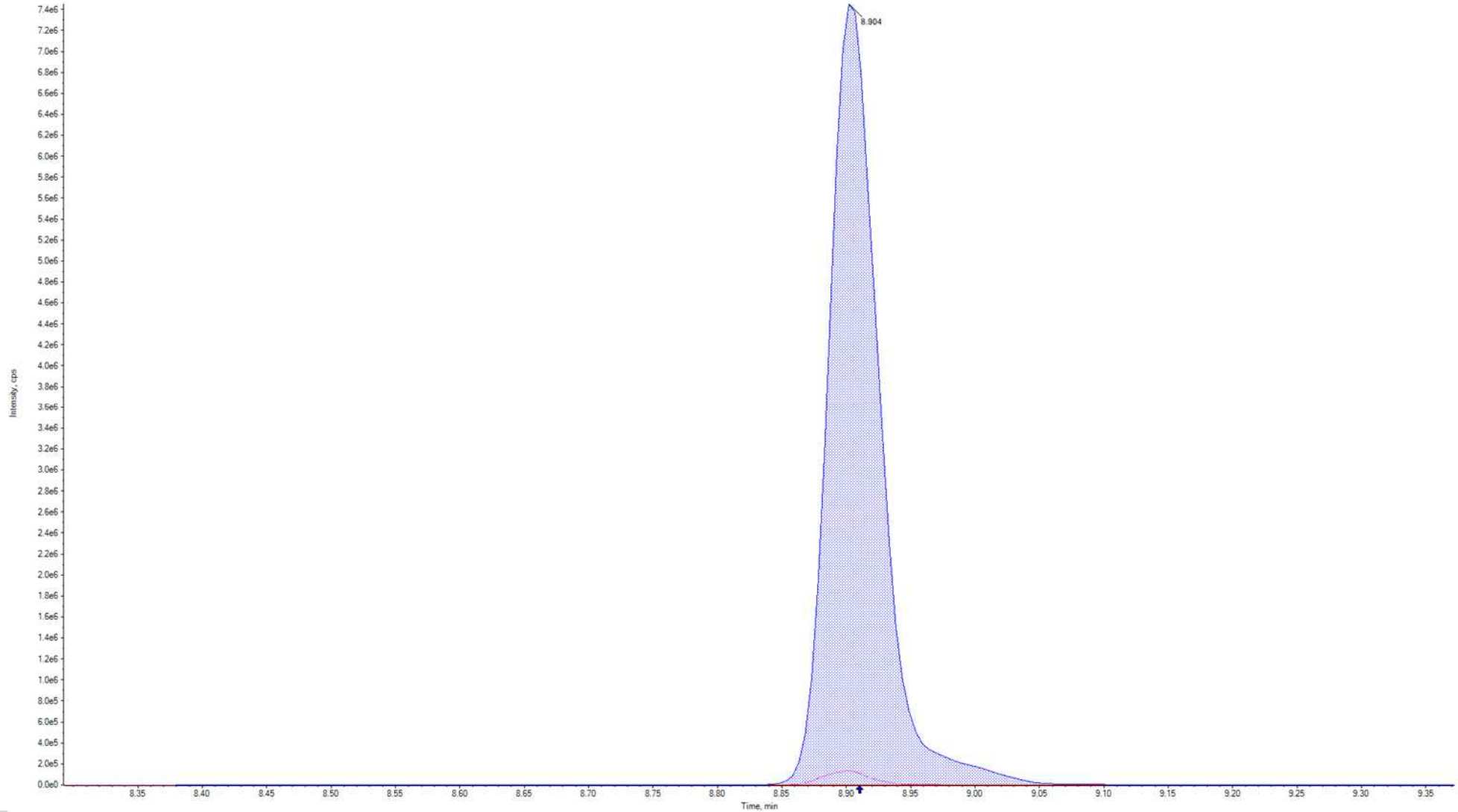

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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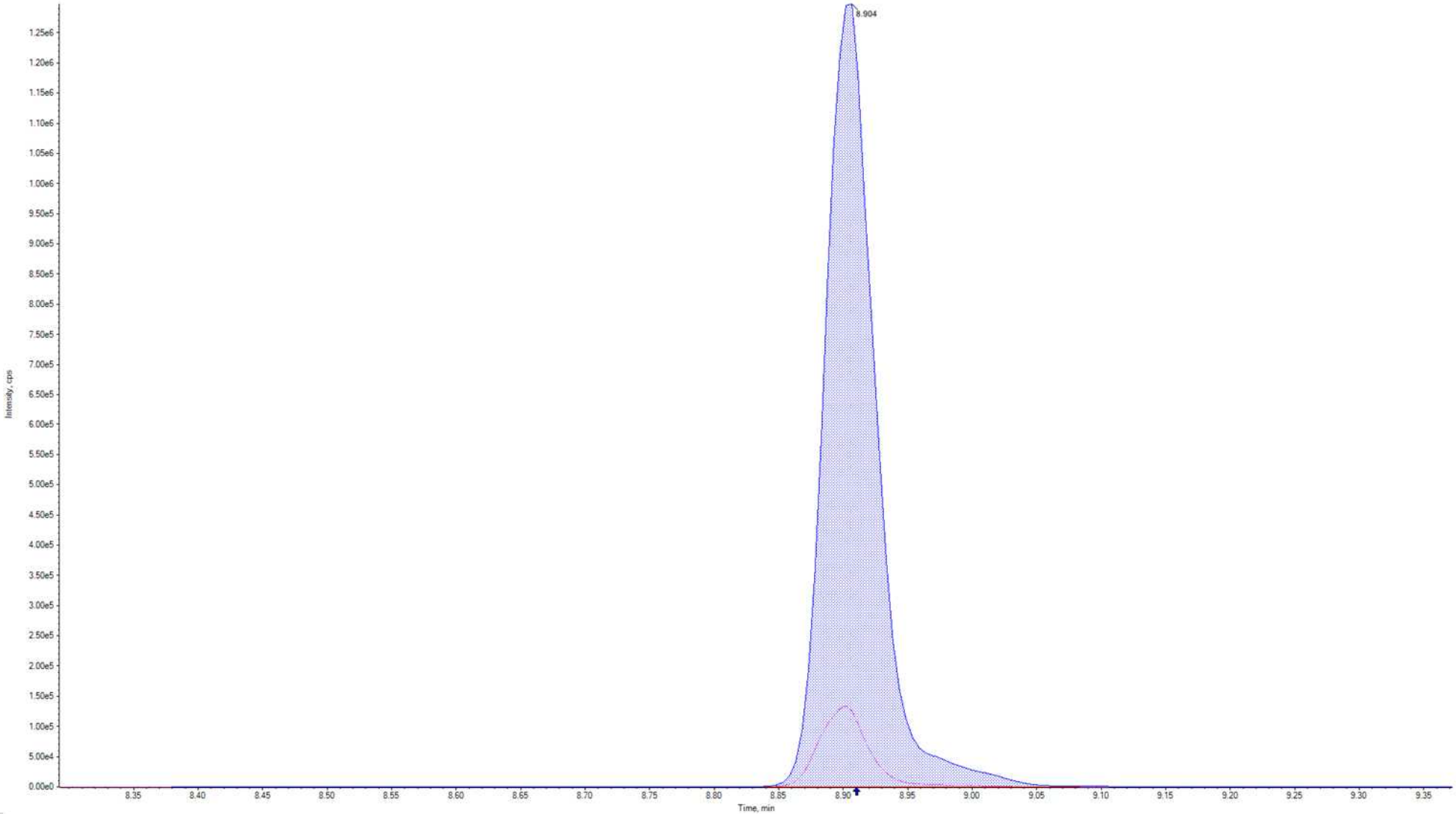
PFDoA_2
Sample: IA1633STD-62.5 S/N:53506.2 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFTrDA
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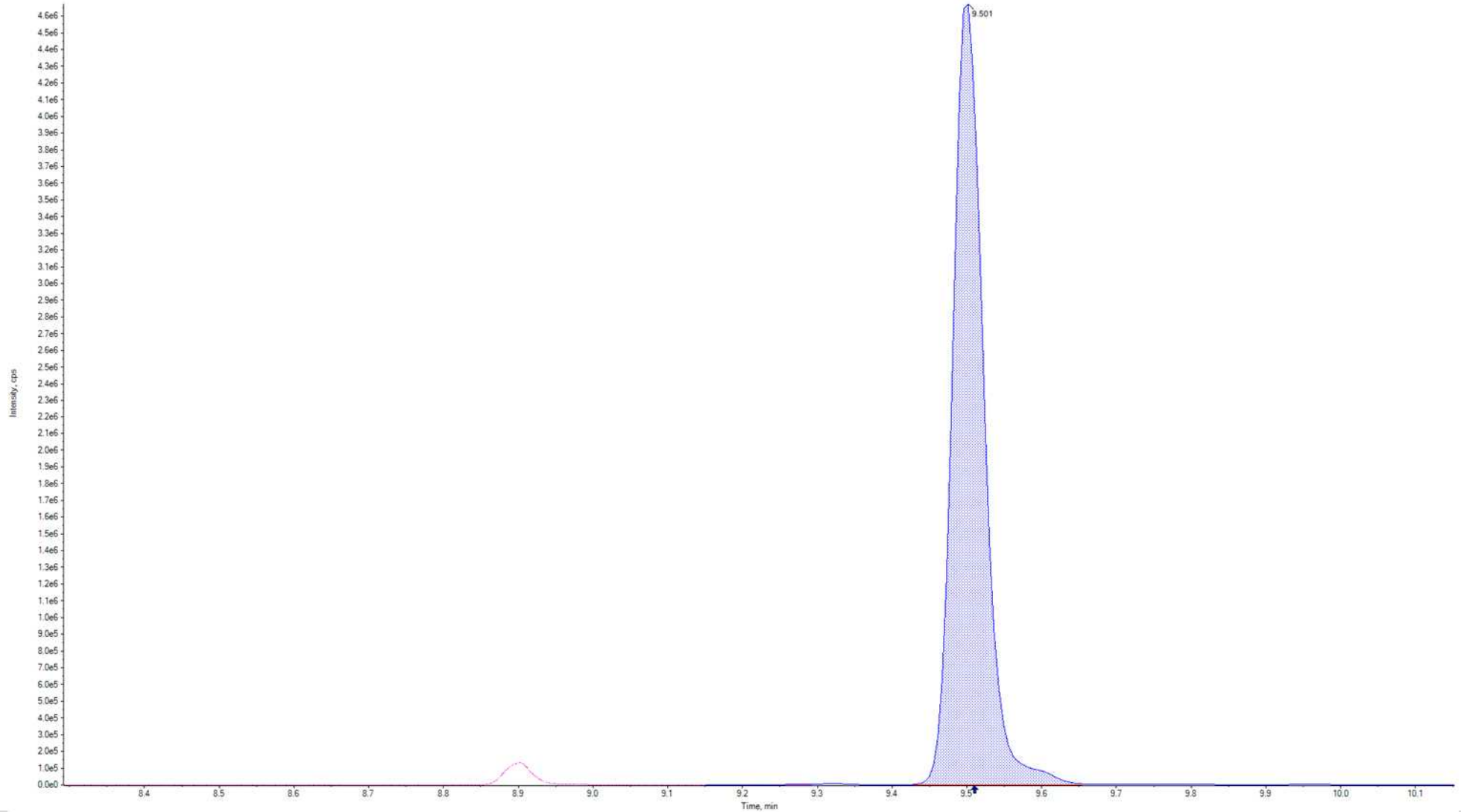

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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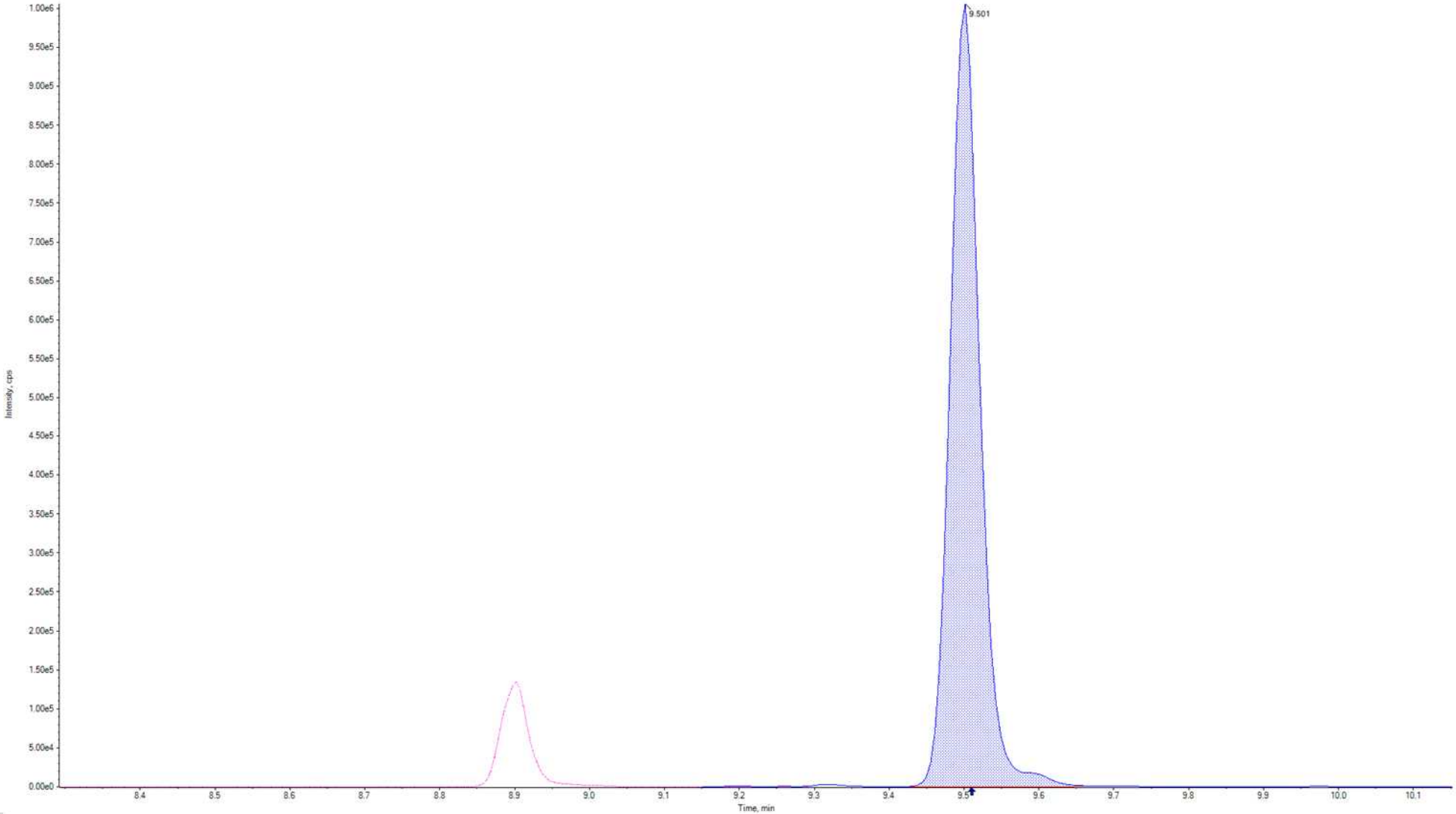
PFTrDA_2
Sample: IA1633STD-62.5 S/N:10474.9 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA
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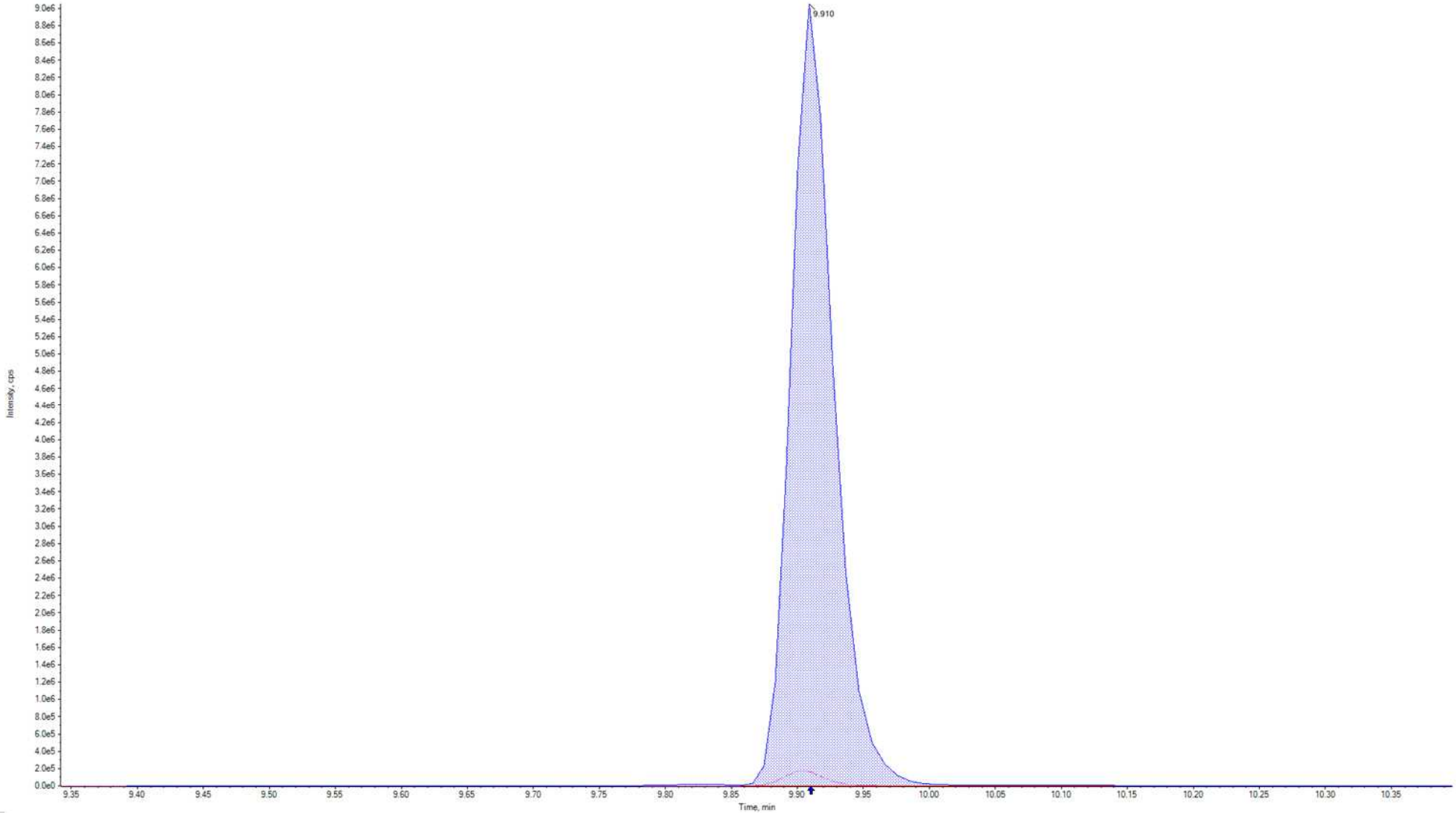
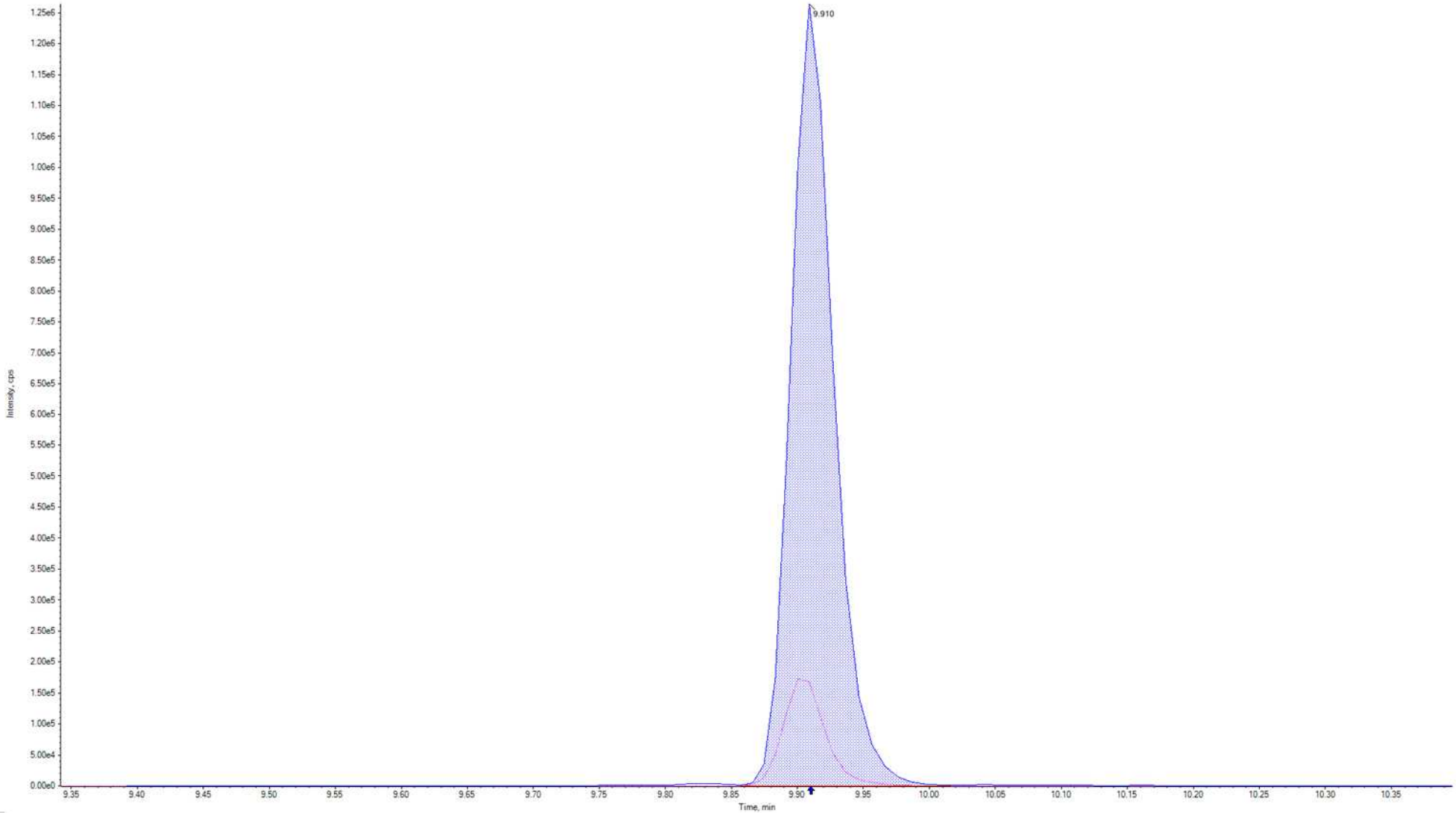


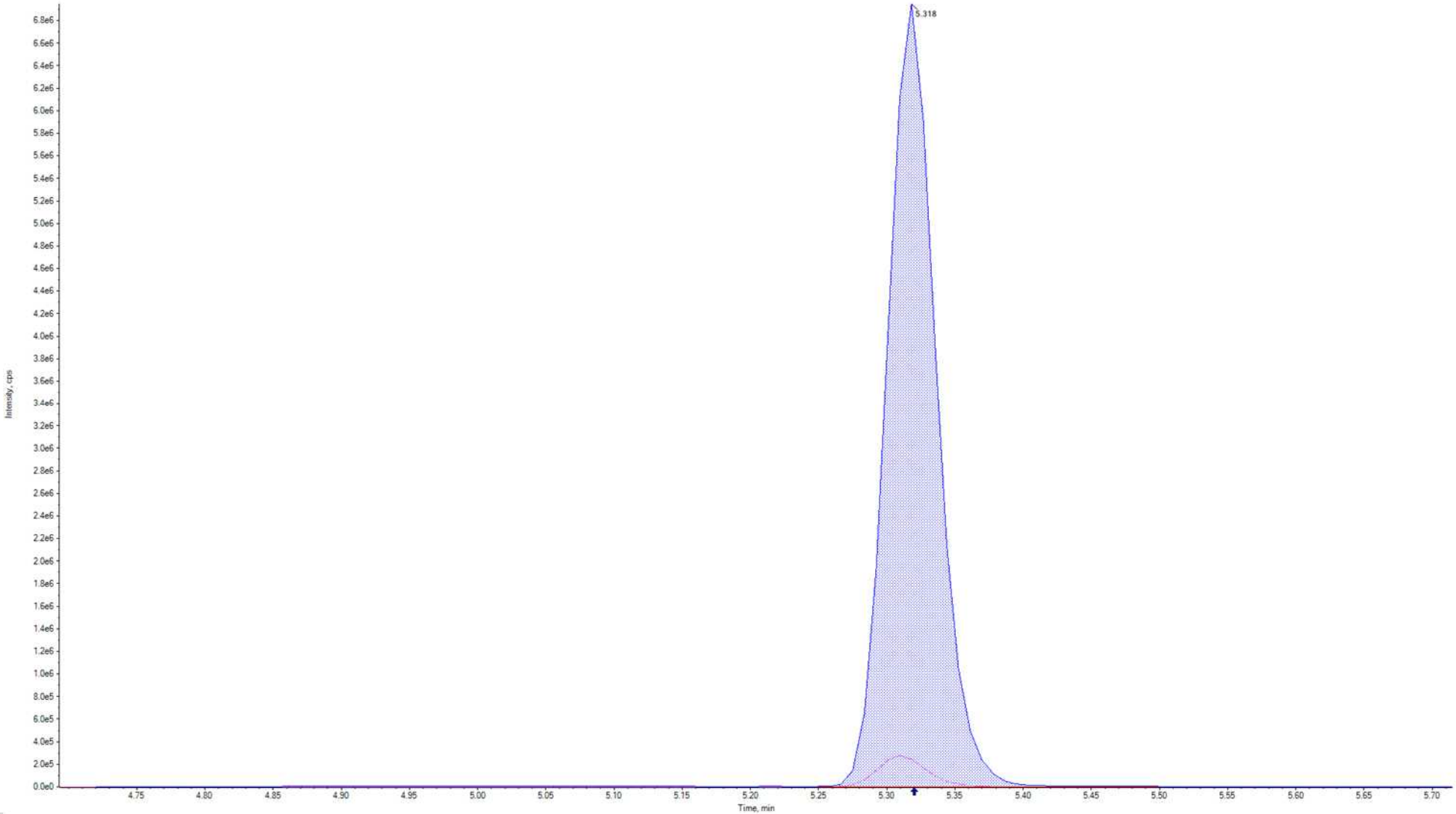
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFTeDA_2
Sample: IA1633STD-62.5 S/N:78834.9 Points Across peak:18



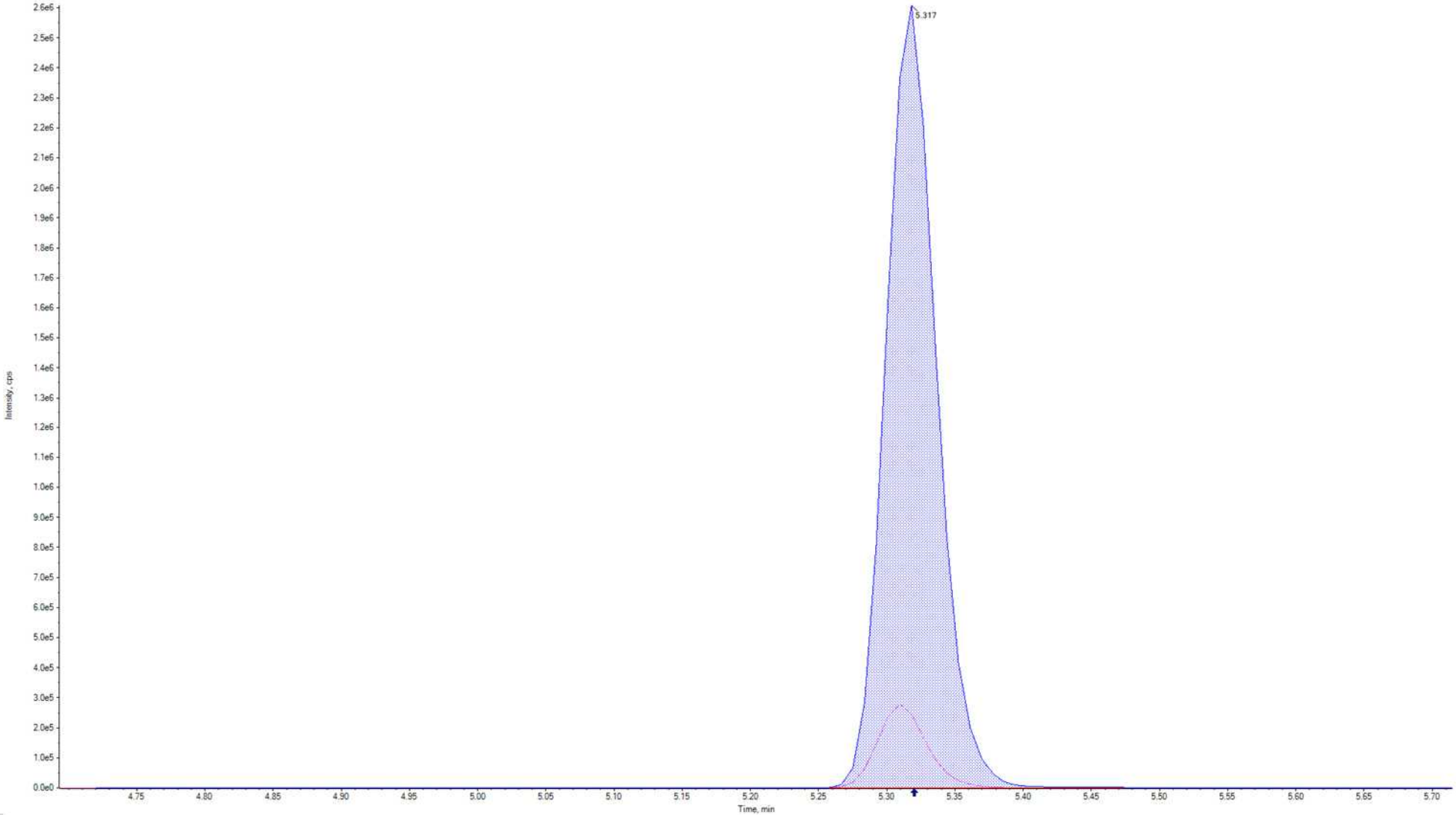
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS
Sample: IA1633STD-62.5 S/N:61.0 Points Across peak:40



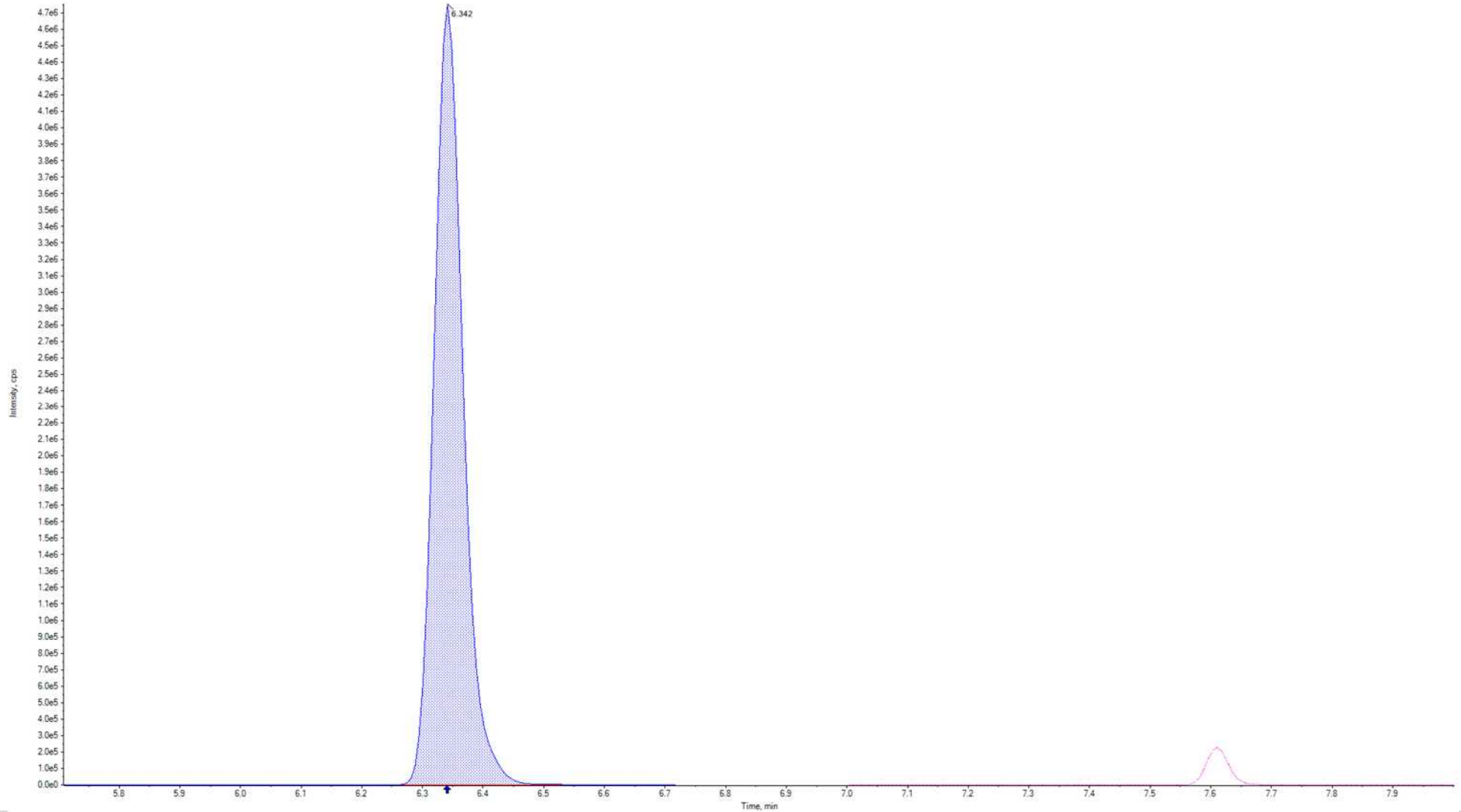
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFBS_2
Sample: IA1633STD-62.5 S/N:5852.8 Points Across peak:38



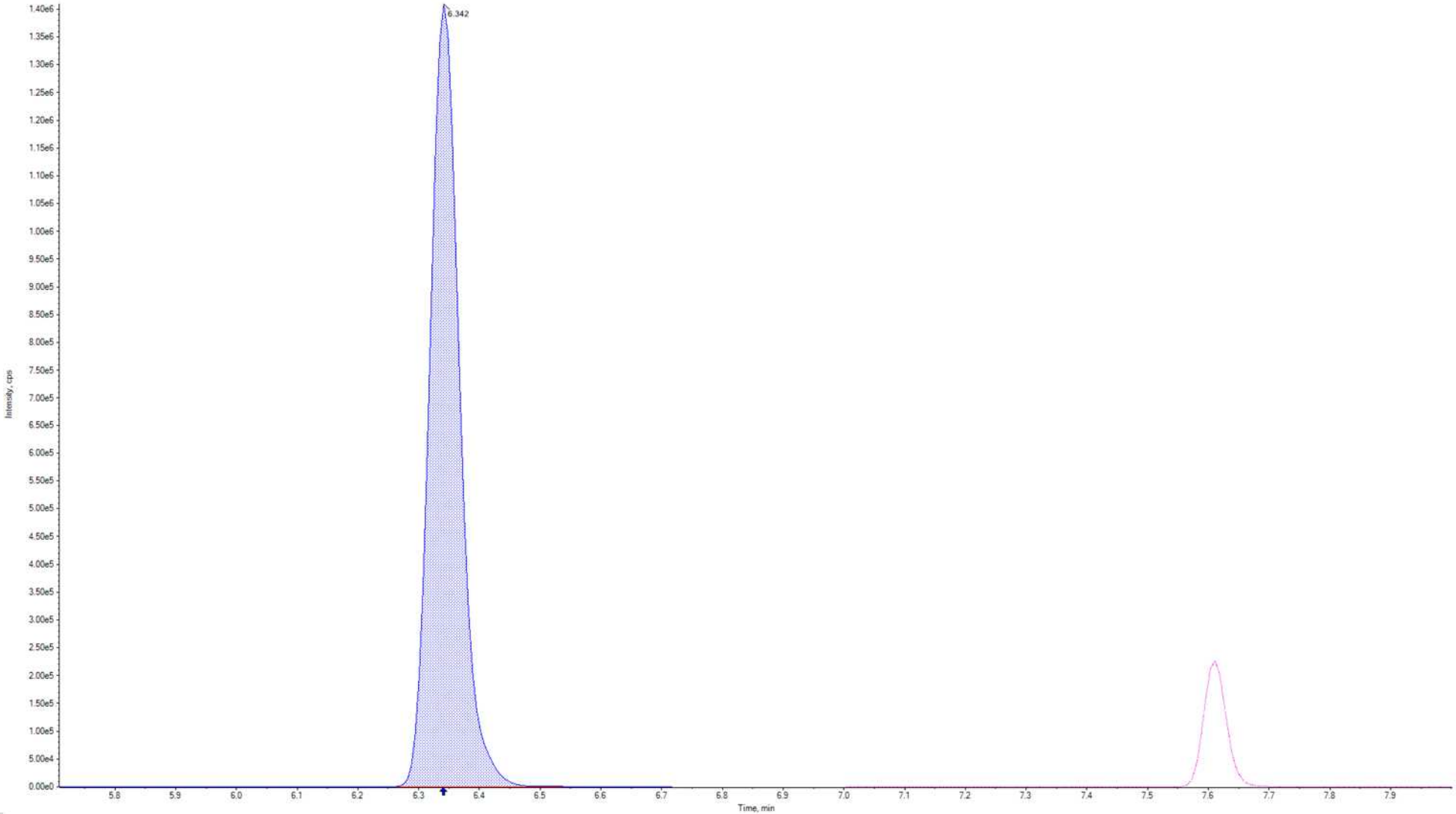
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS
Sample: IA1633STD-62.5 S/N:27047.3 Points Across peak:54



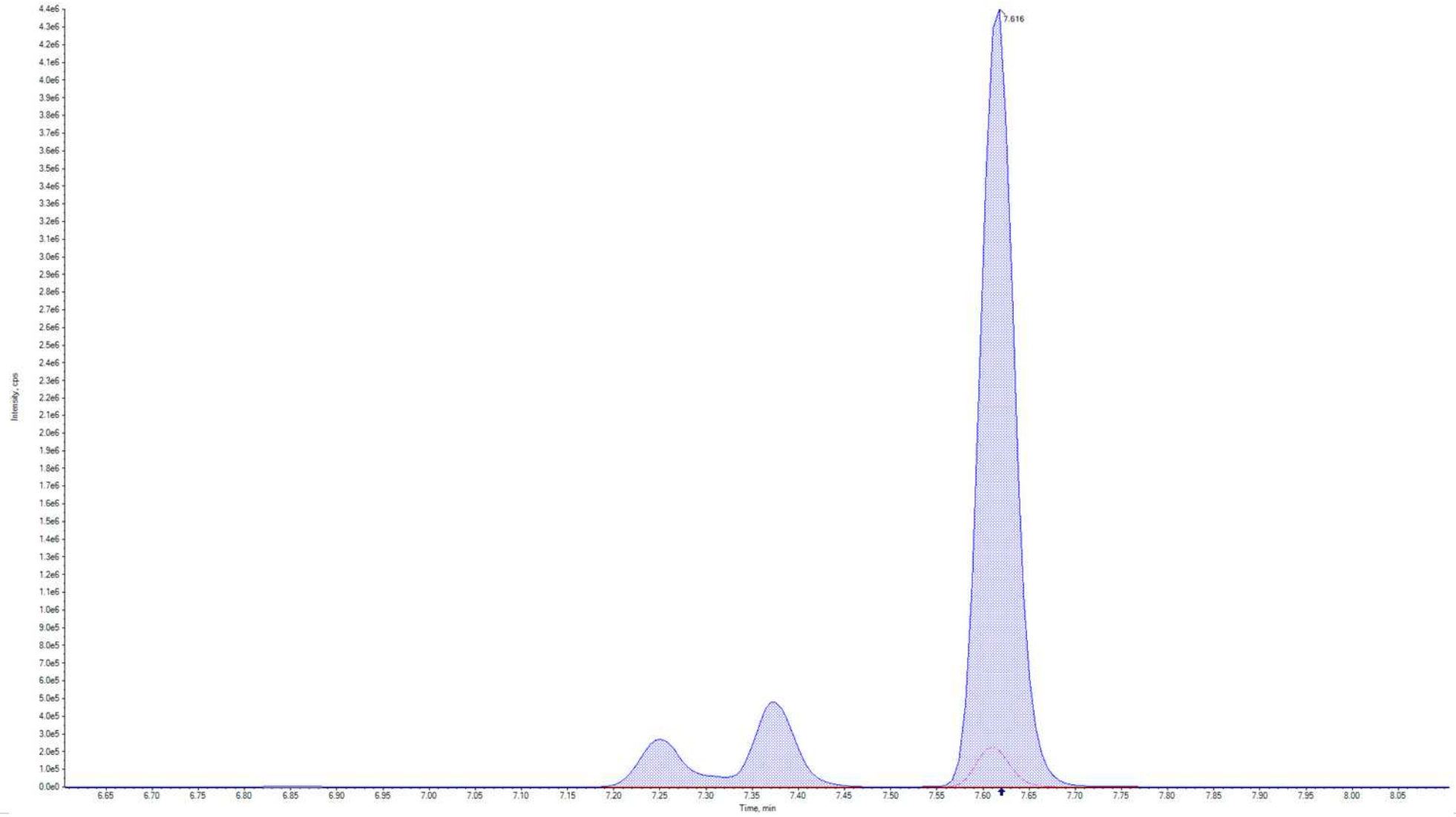
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFPeS_2
Sample: IA1633STD-62.5 S/N:24190.2 Points Across peak:50



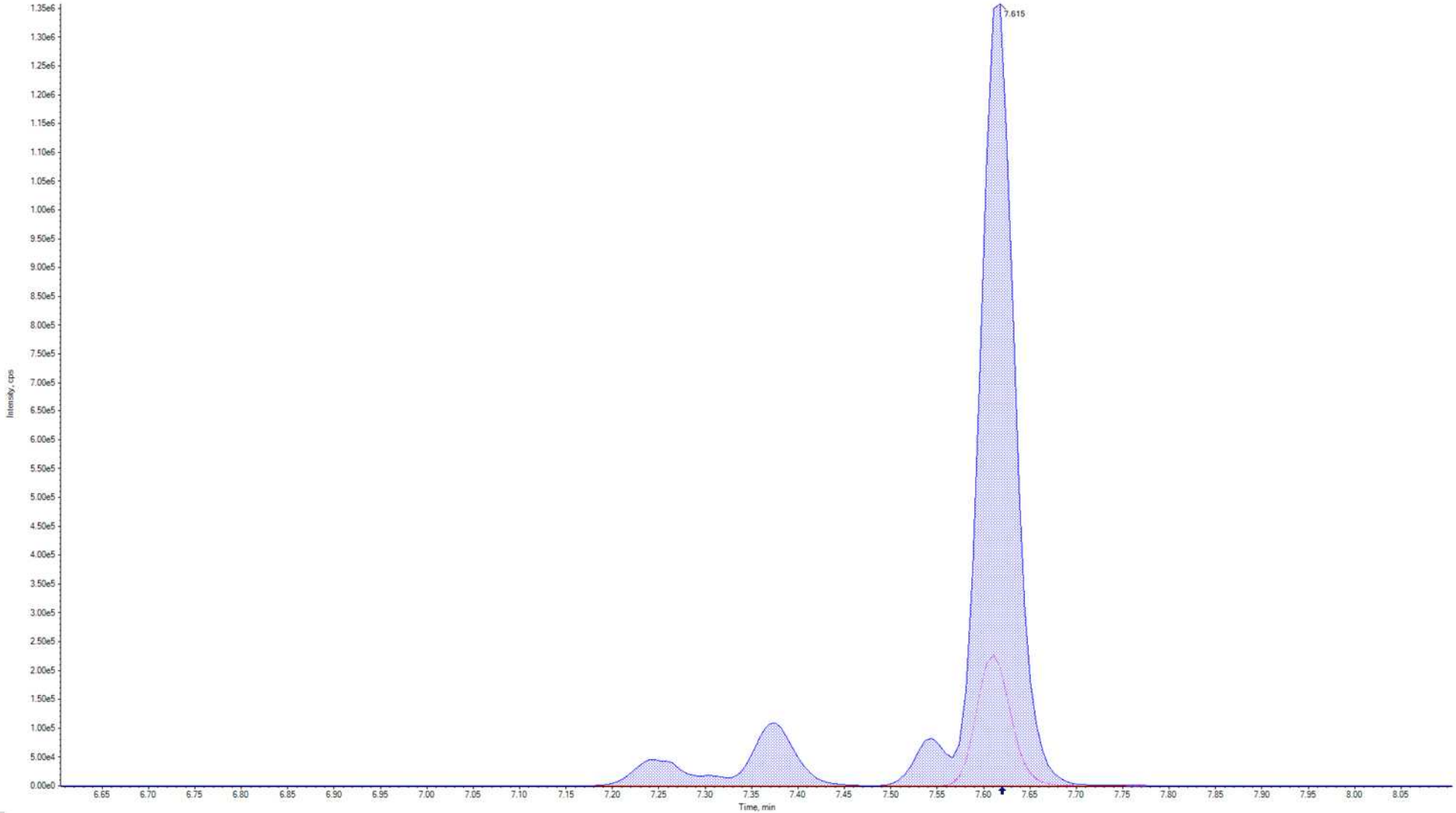
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS
Sample: IA1633STD-62.5 S/N:848847.6 Points Across peak:98



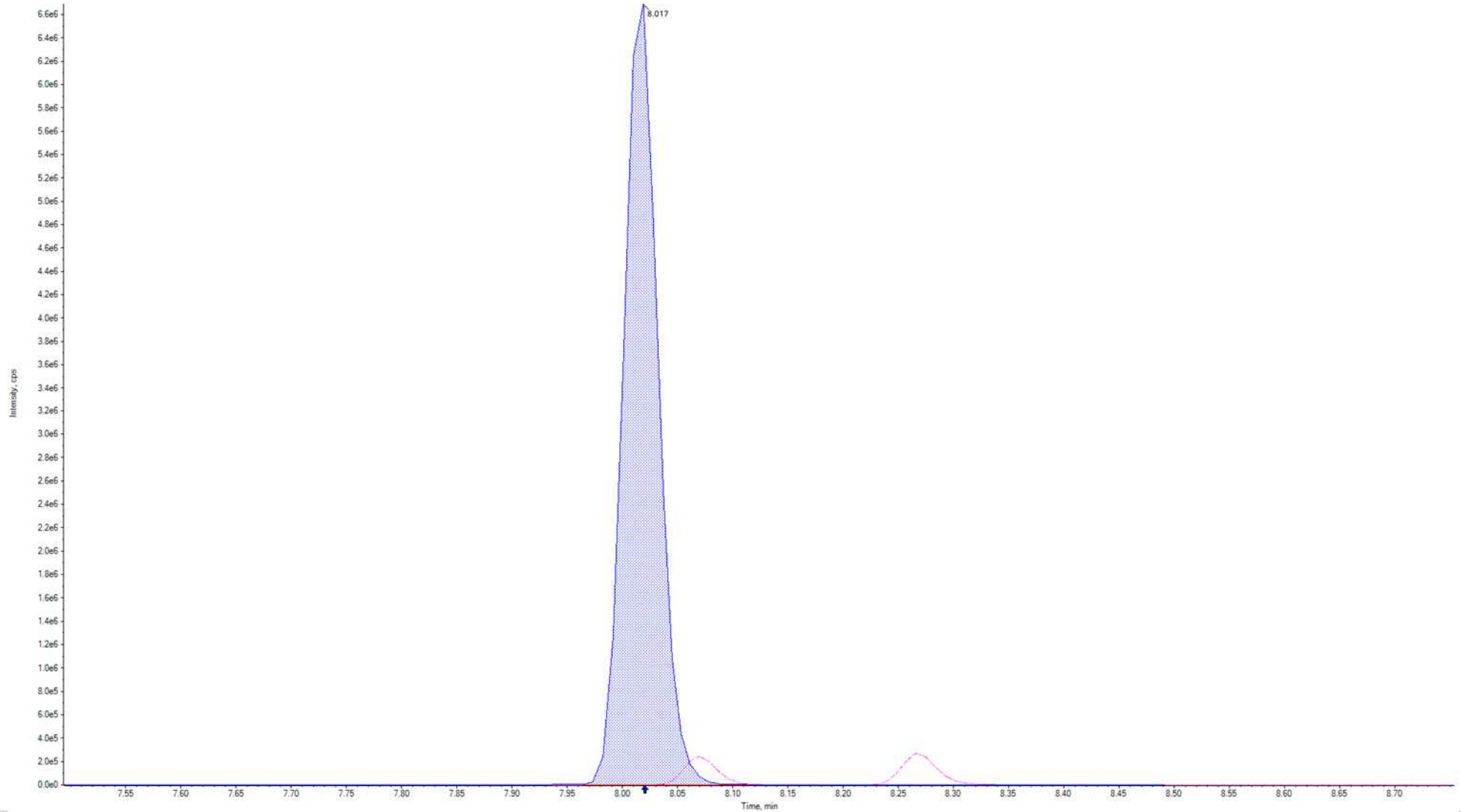
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHxS_2
Sample: IA1633STD-62.5 S/N:466156.3 Points Across peak:96



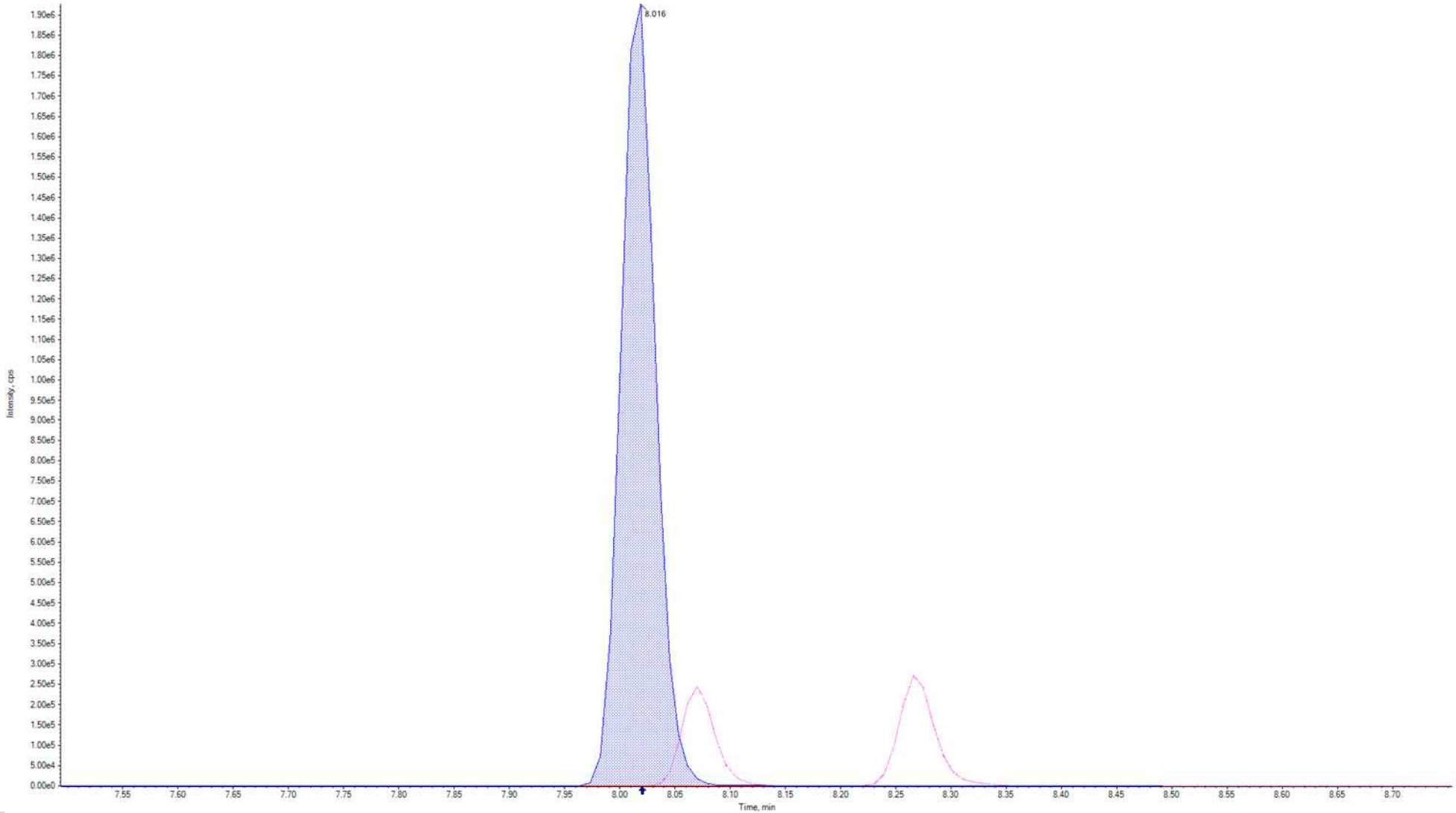
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS
Sample: IA1633STD-62.5 S/N:113644651.8 Points Across peak:26



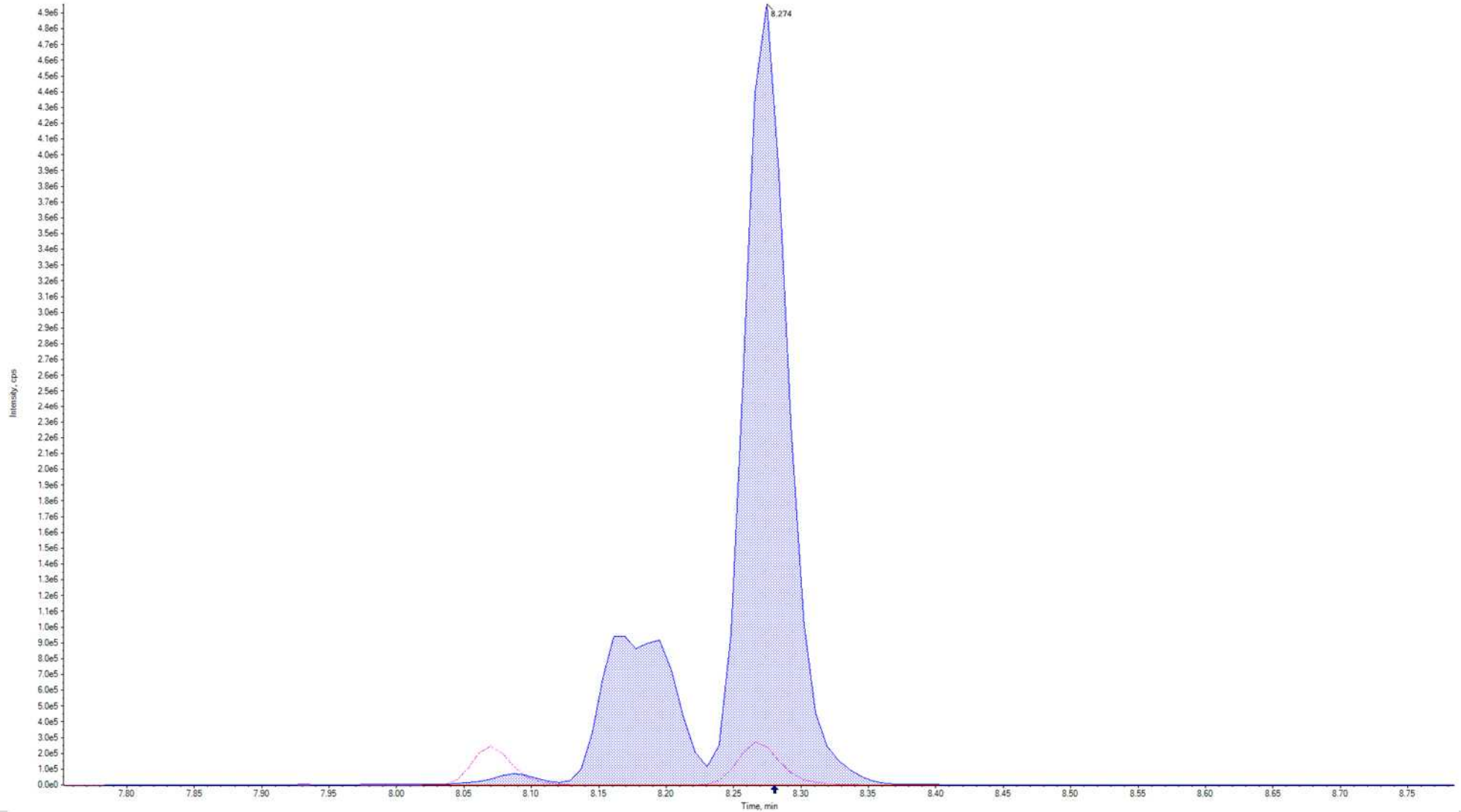
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFHpS_2
Sample: IA1633STD-62.5 S/N:6830.6 Points Across peak:38



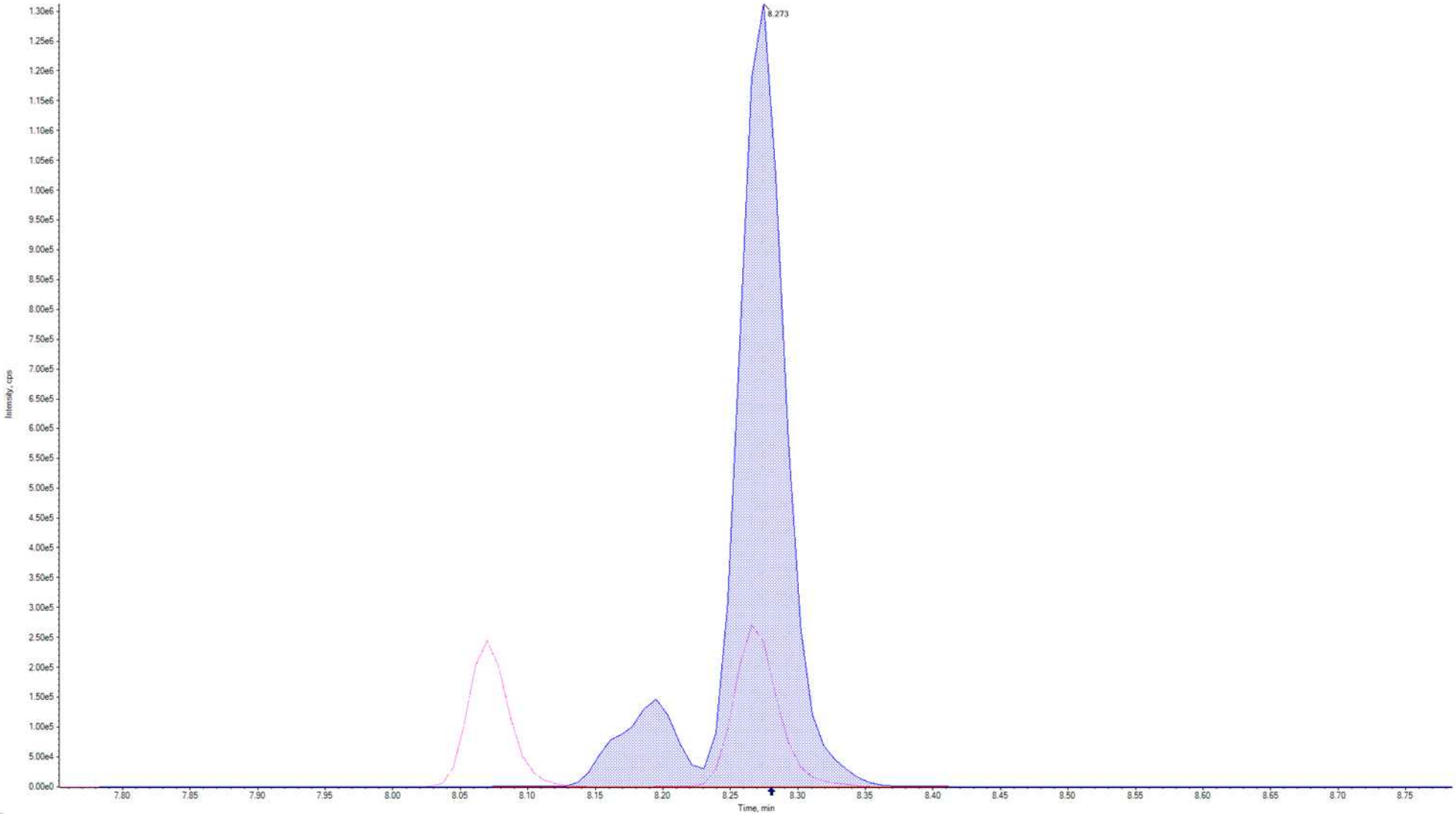
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS
Sample: IA1633STD-62.5 S/N:4970.6 Points Across peak:48



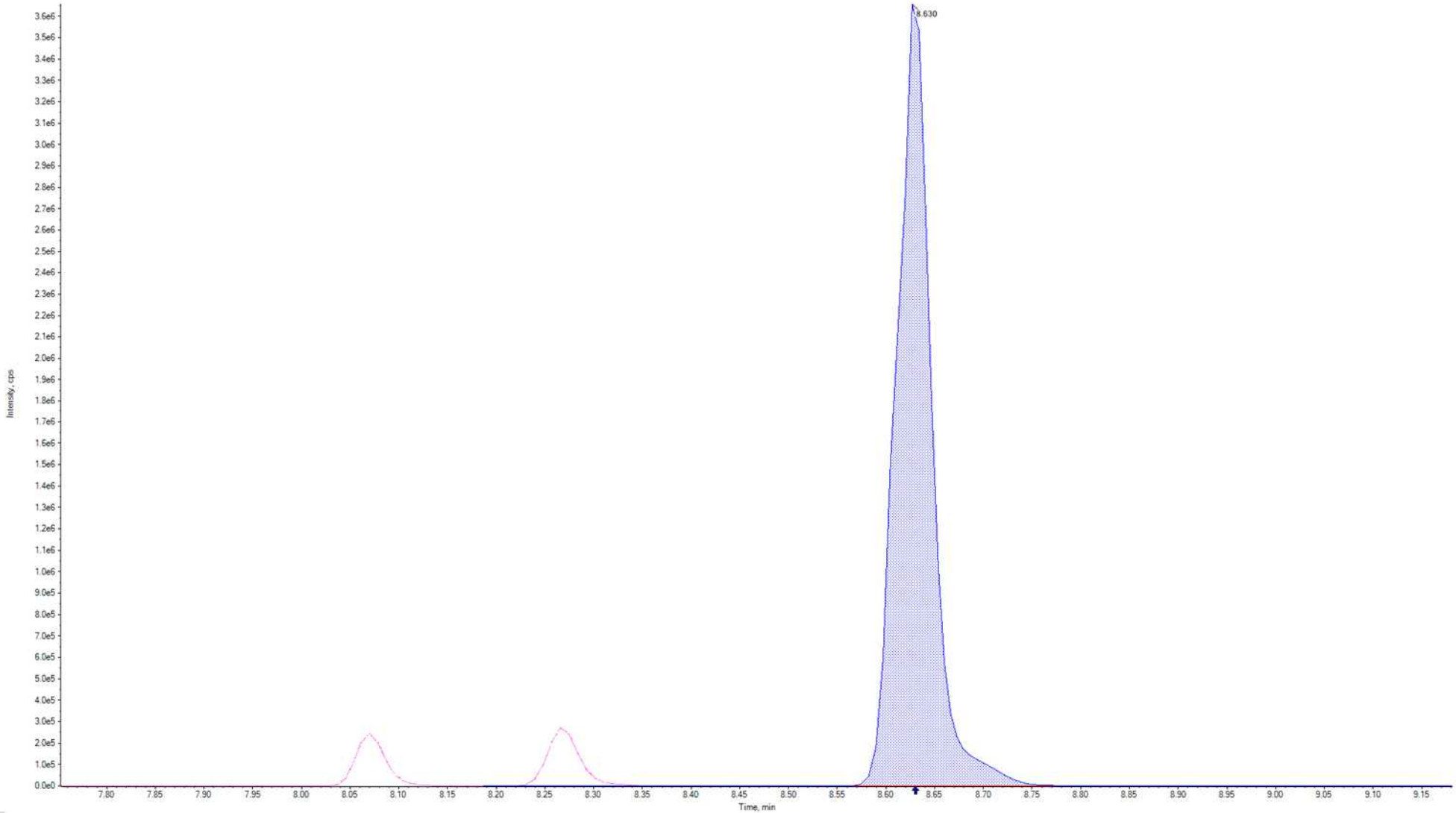
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOS_2
Sample: IA1633STD-62.5 S/N:3301609.0 Points Across peak:53



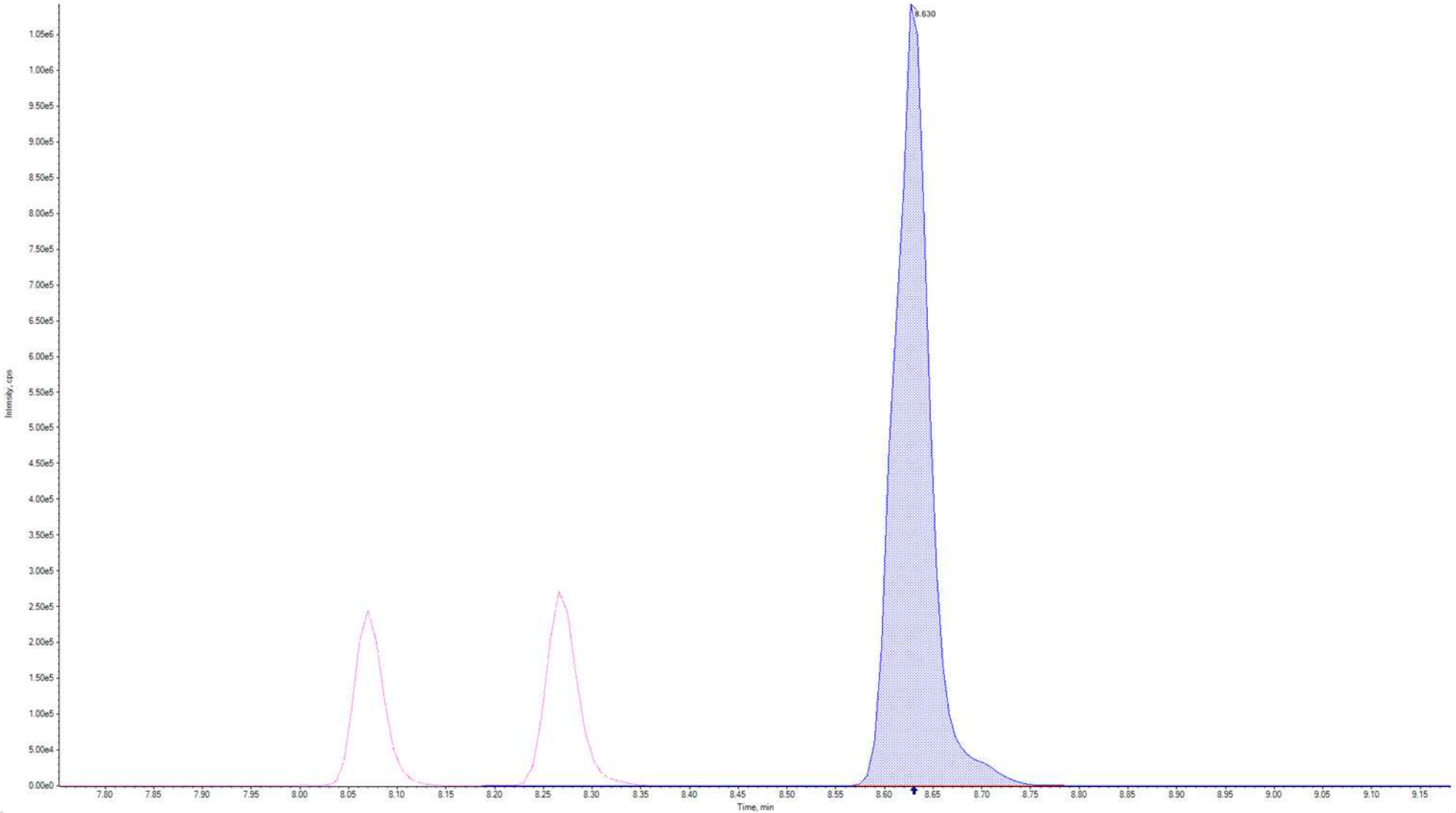
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS
Sample: IA1633STD-62.5 S/N:16736.5 Points Across peak:43



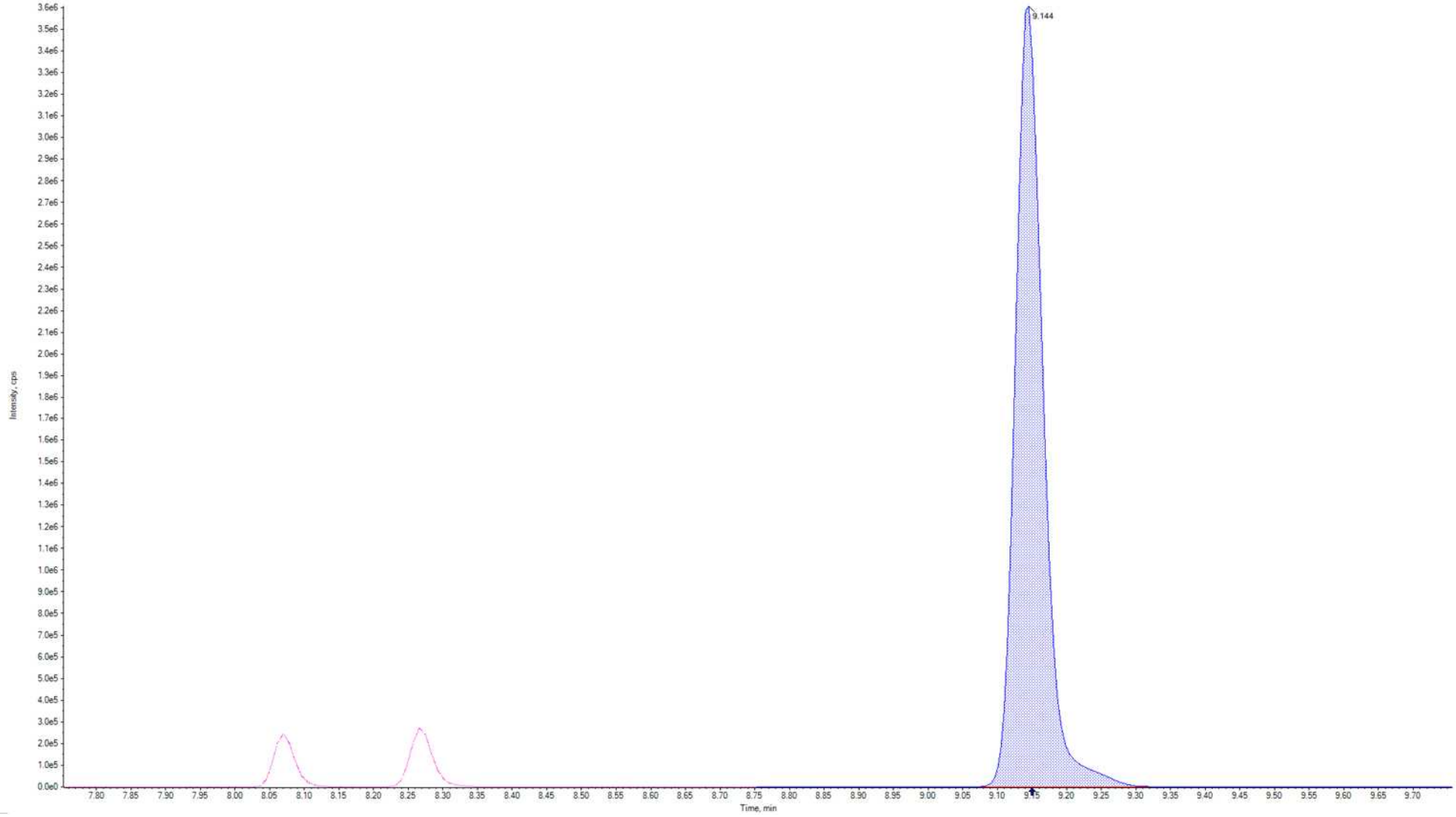
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFNS_2
Sample: IA1633STD-62.5 S/N:4536911.7 Points Across peak:42



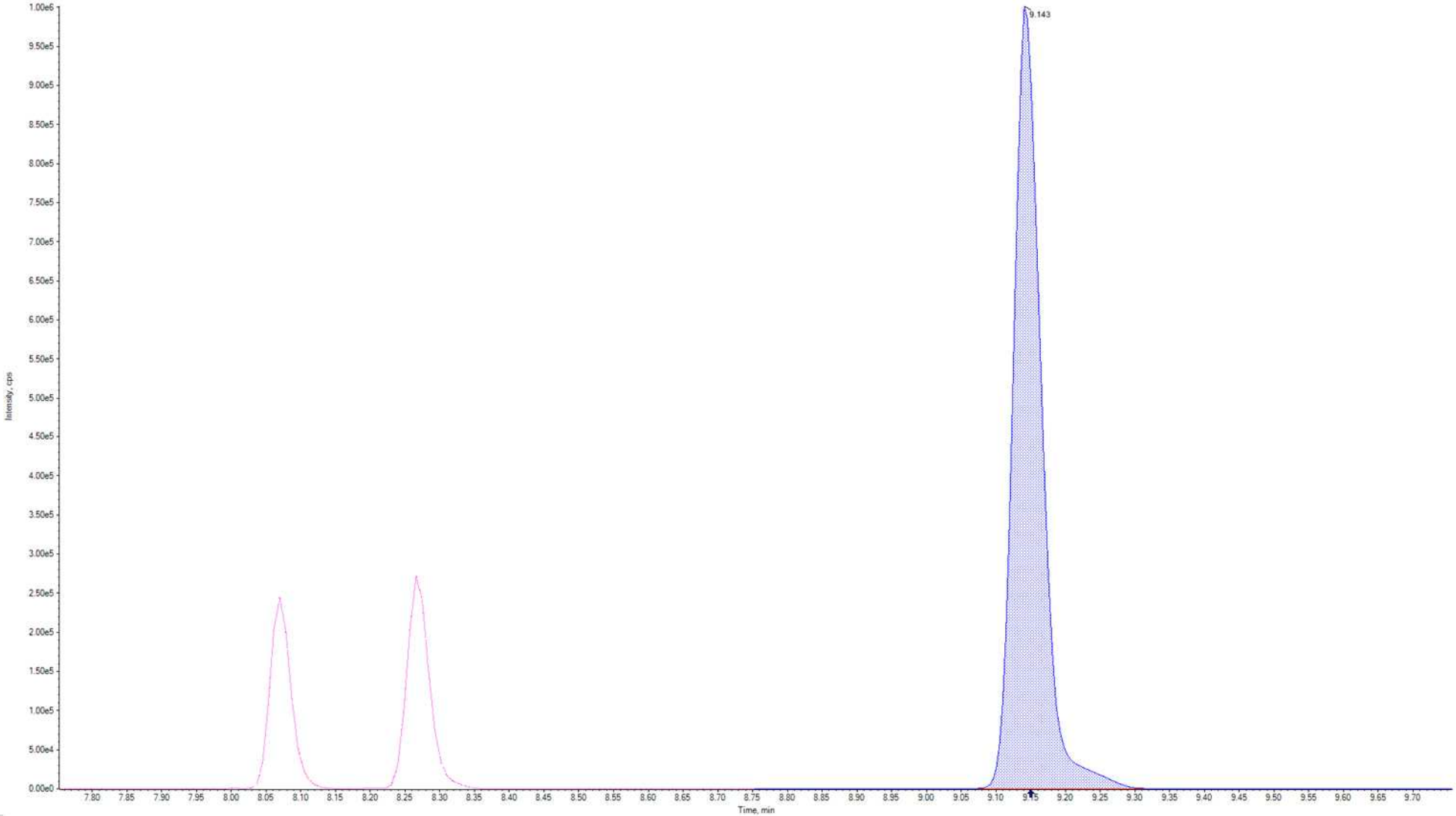
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS
Sample: IA1633STD-62.5 S/N:29238.4 Points Across peak:67



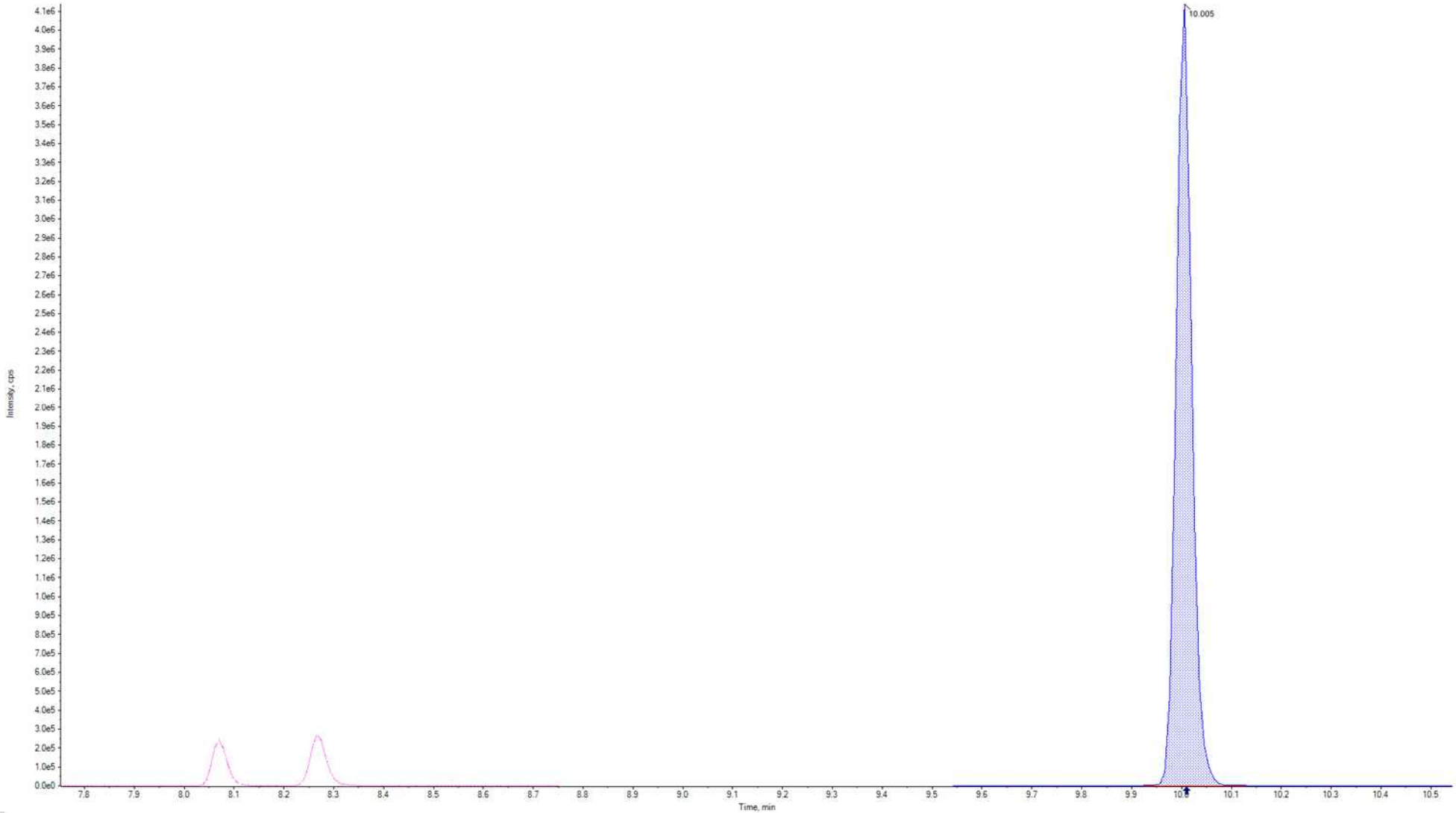
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDS_2
Sample: IA1633STD-62.5 S/N:225096.7 Points Across peak:54



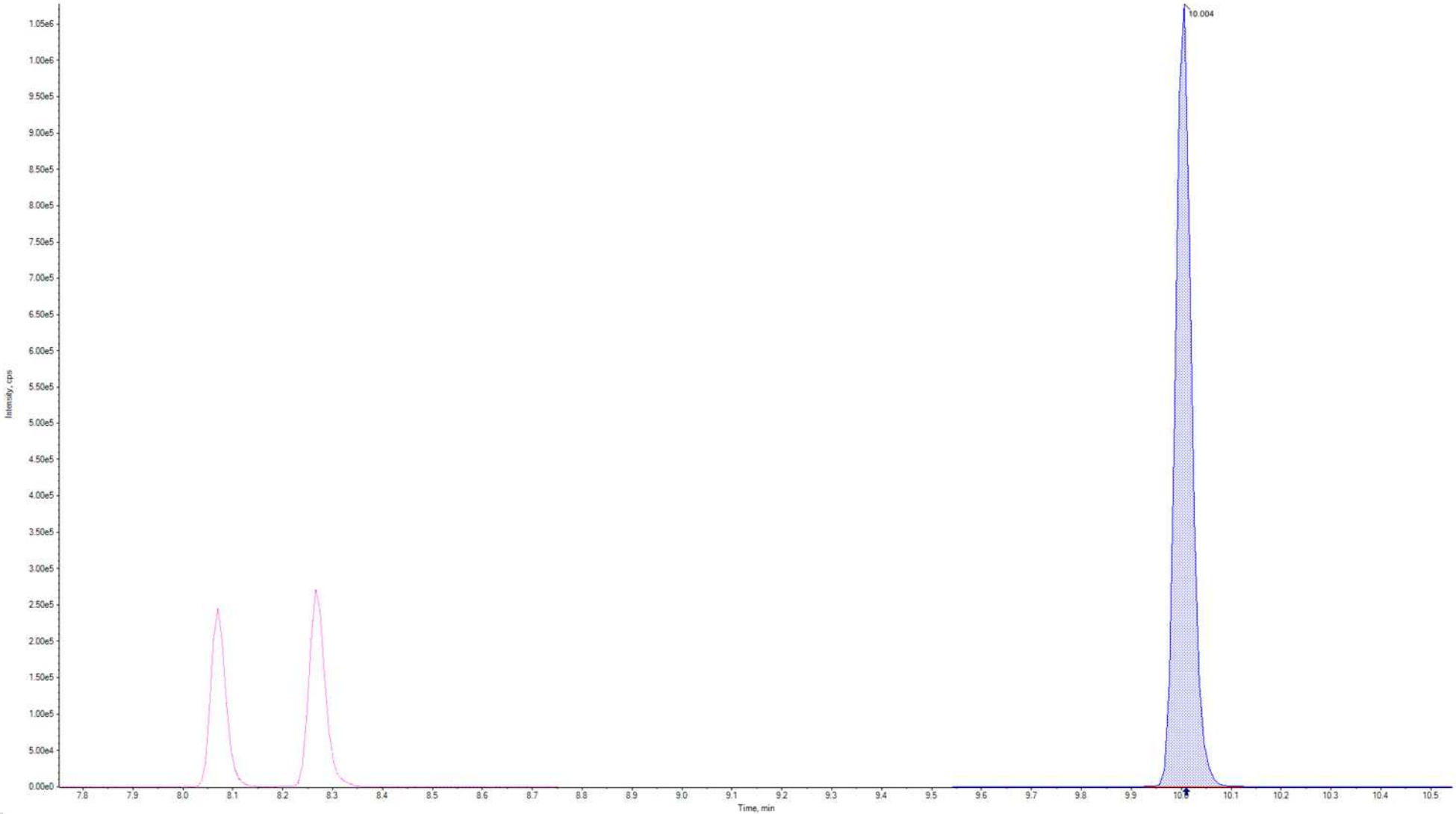
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS
Sample: IA1633STD-62.5 S/N:18400.3 Points Across peak:37



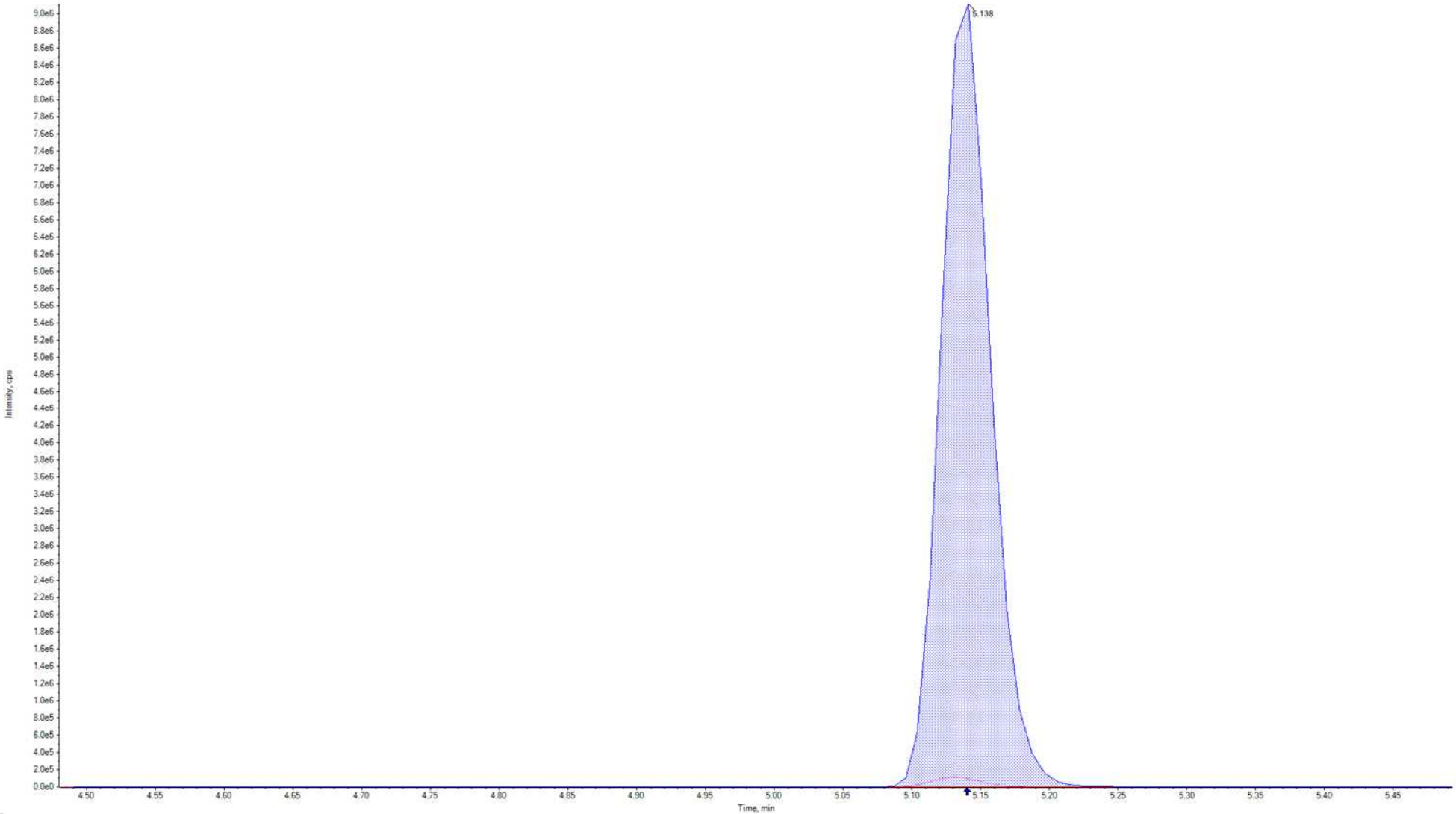
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFDoS_2
Sample: IA1633STD-62.5 S/N:5320.0 Points Across peak:28



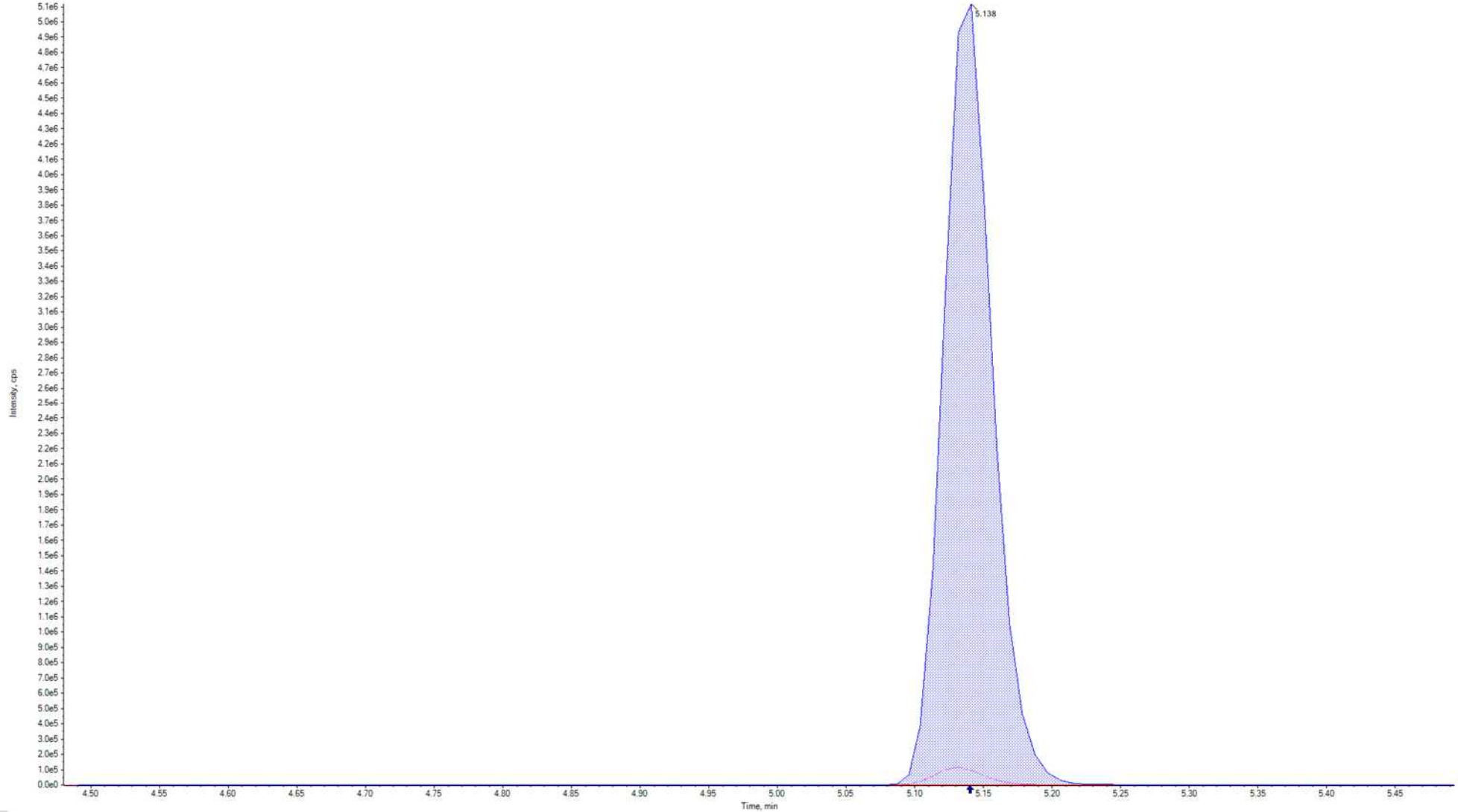
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS
Sample: IA1633STD-62.5 S/N:171109960.8 Points Across peak:31



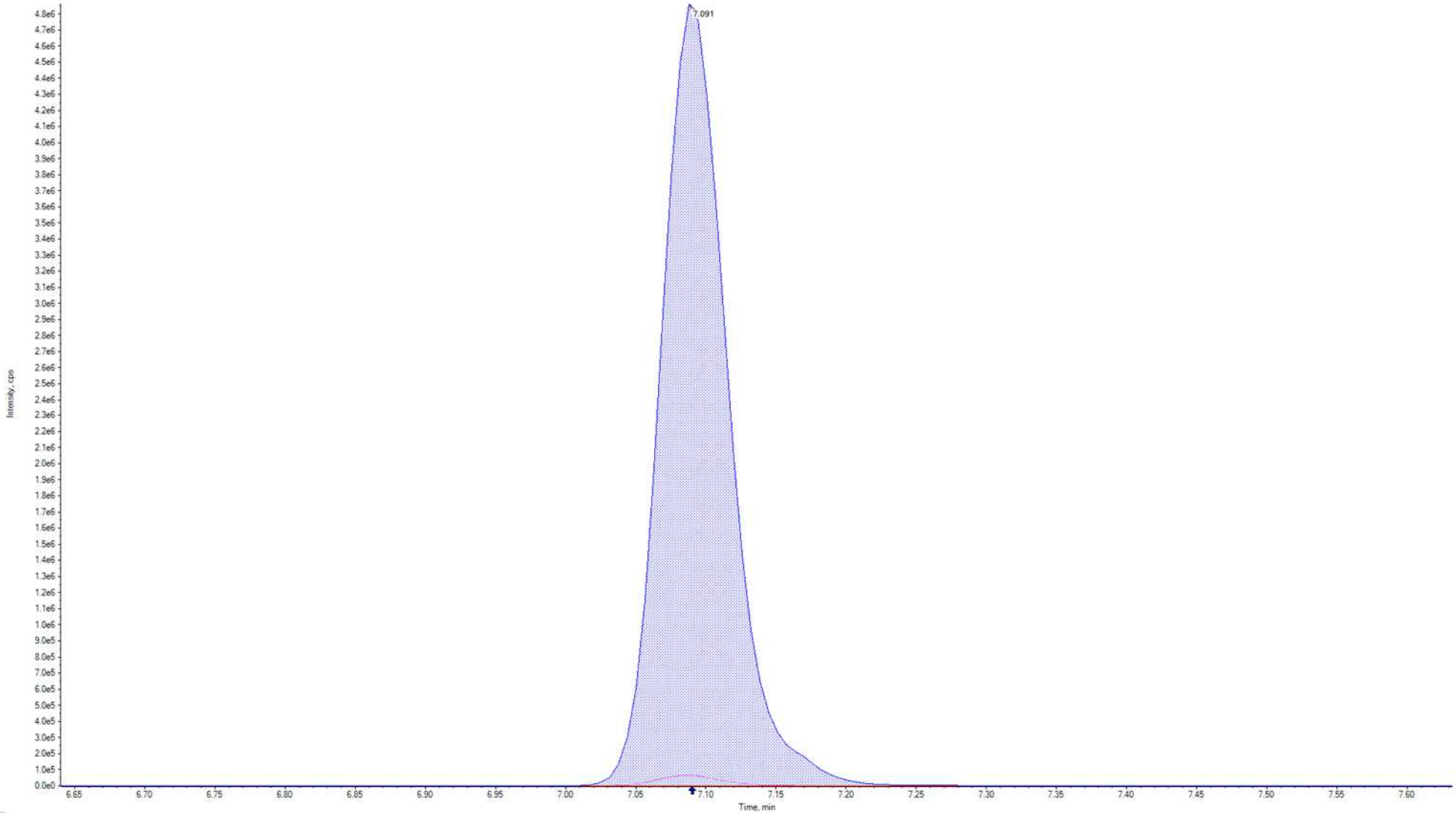
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

4:2FTS_2
Sample: IA1633STD-62.5 S/N:33650.4 Points Across peak:29

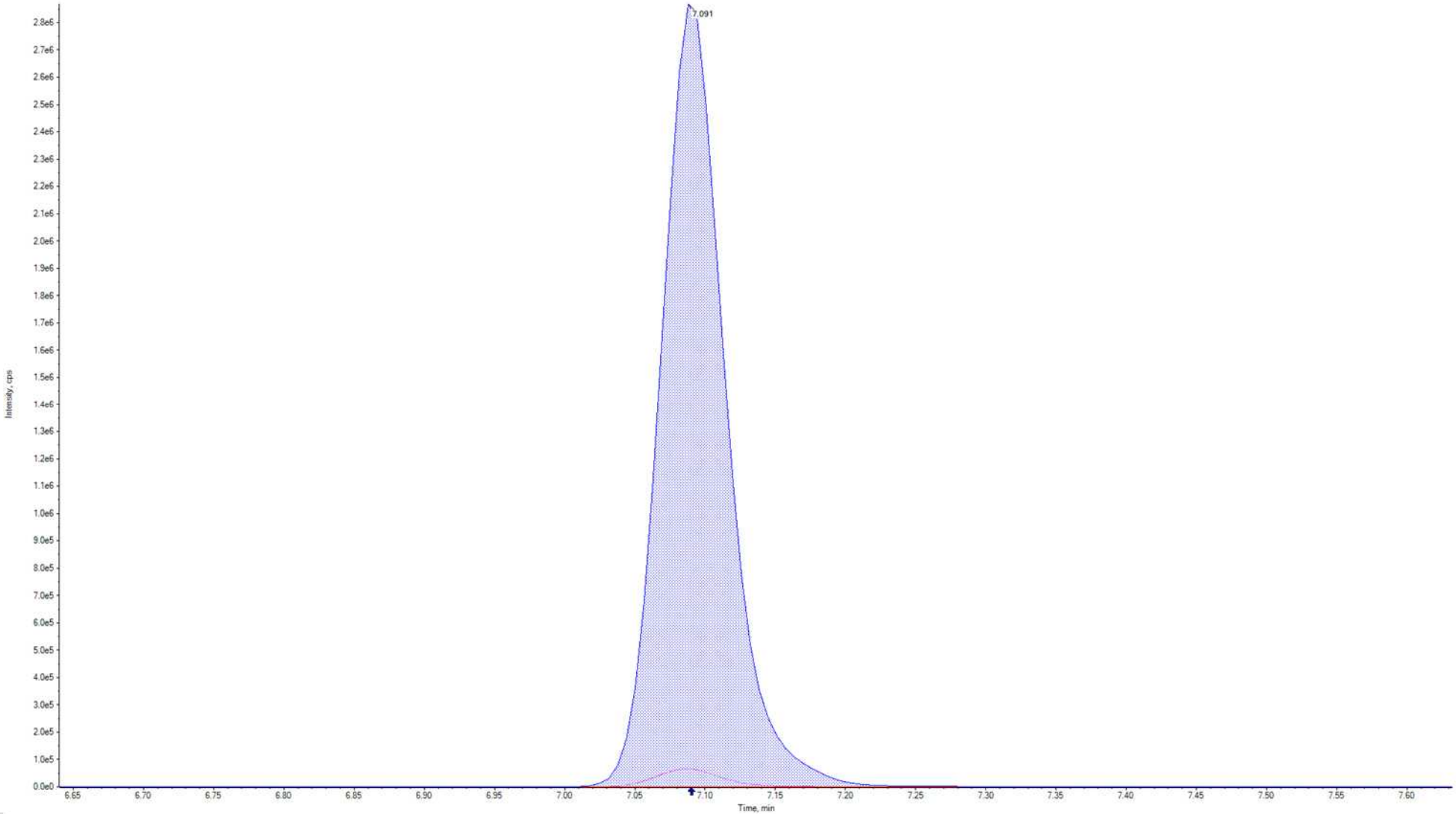


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

6:2FTS
Sample: IA1633STD-62.5 S/N:1168486.8 Points Across peak:71

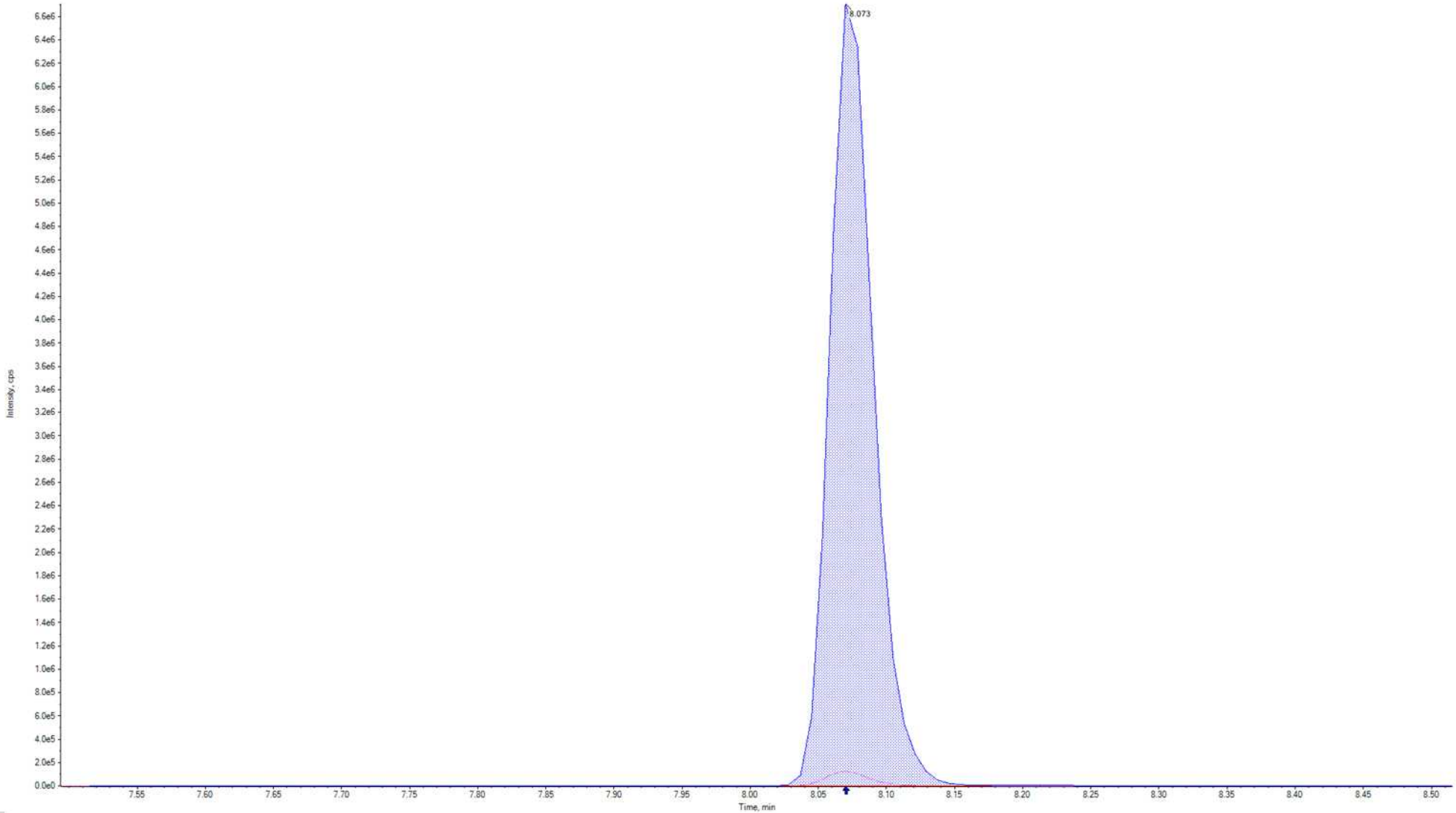


6:2FTS_2
Sample: IA1633STD-62.5 S/N:206571.0 Points Across peak:51



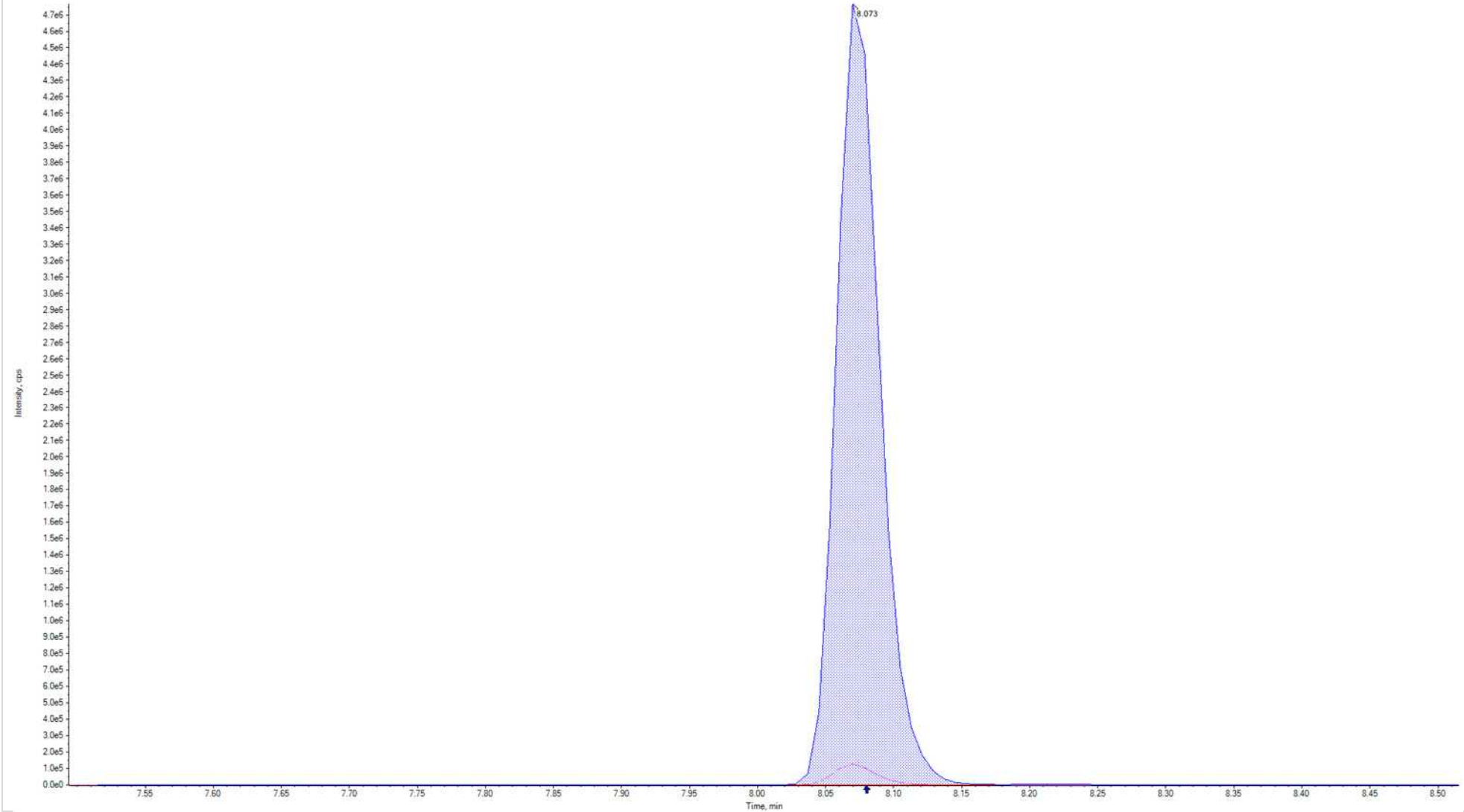
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS
Sample: IA1633STD-62.5 S/N:9395.8 Points Across peak:21



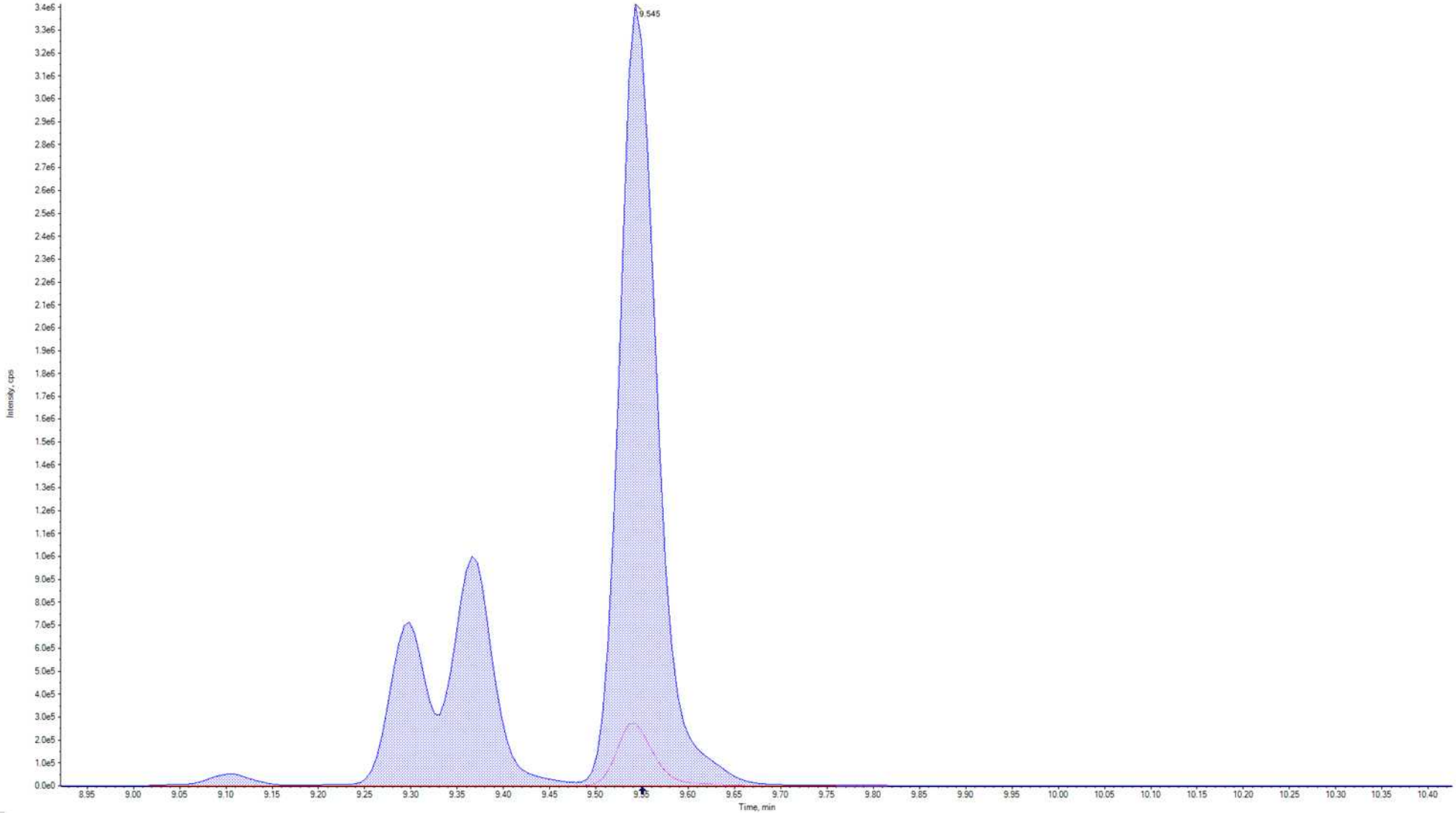
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

8:2FTS_2
Sample: IA1633STD-62.5 S/N:3247175.9 Points Across peak:21



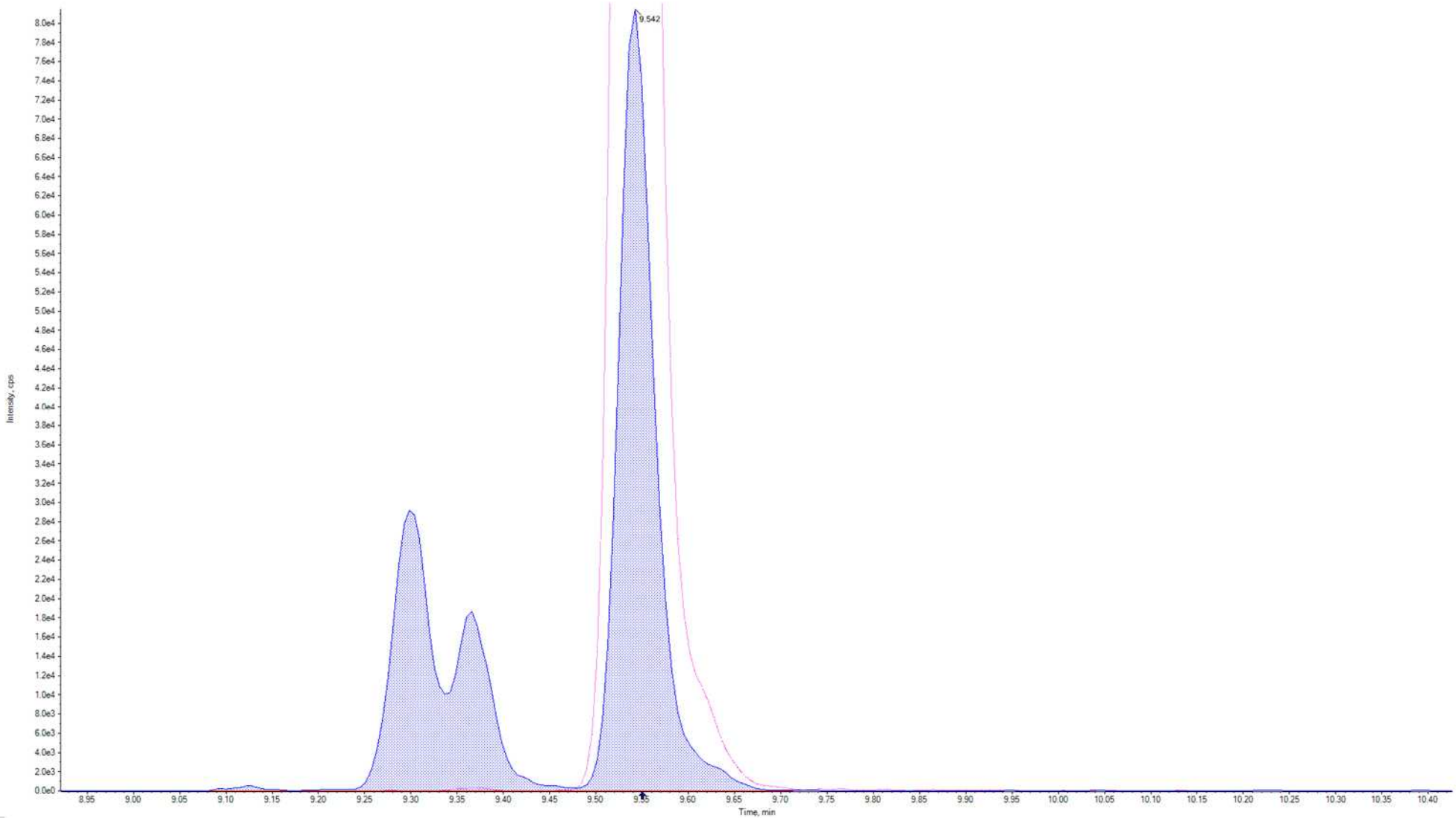
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA
Sample: IA1633STD-62.5 S/N:22190.1 Points Across peak:135



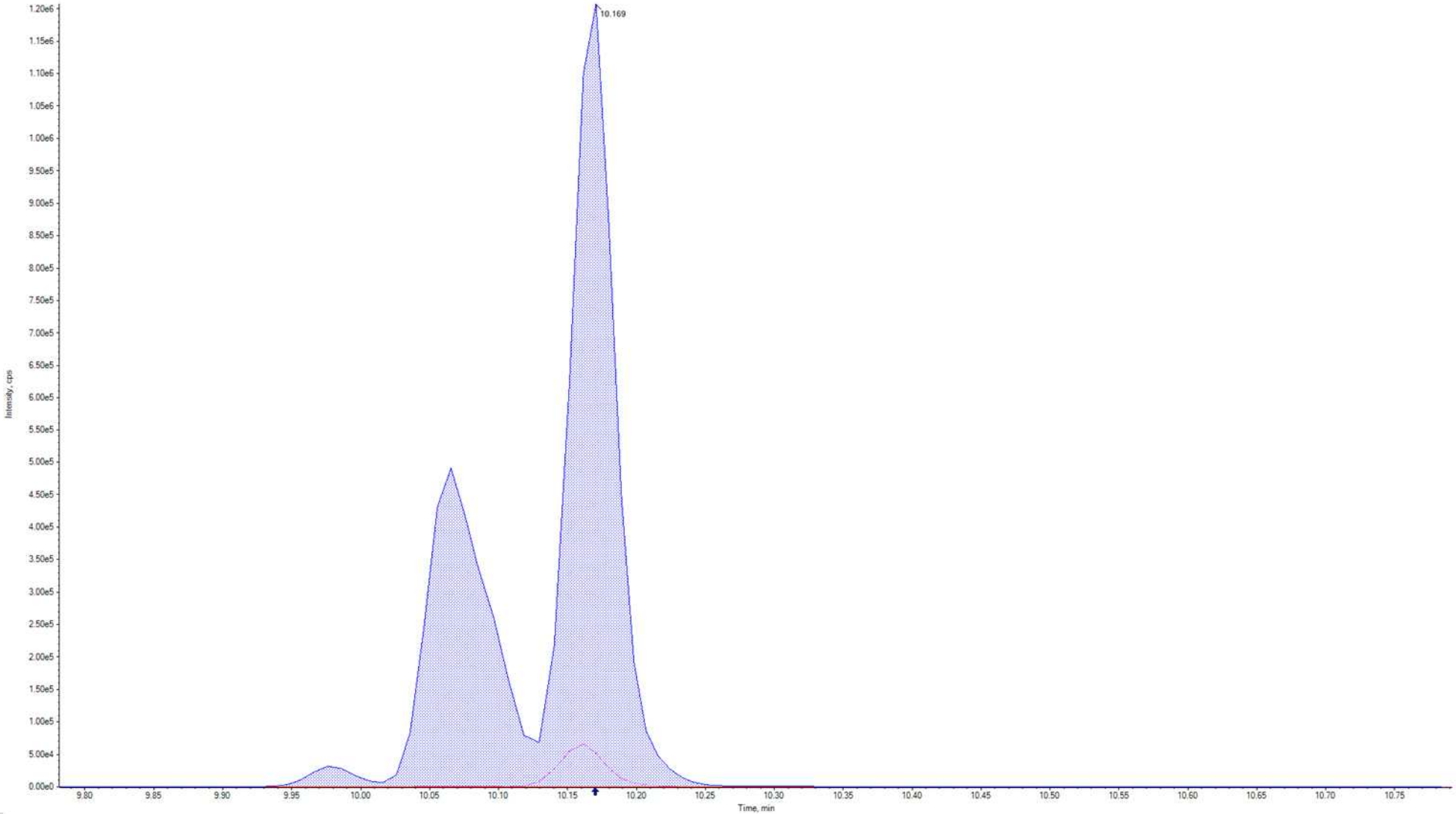
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFOSA_2
Sample: IA1633STD-62.5 S/N:1252.6 Points Across peak:113



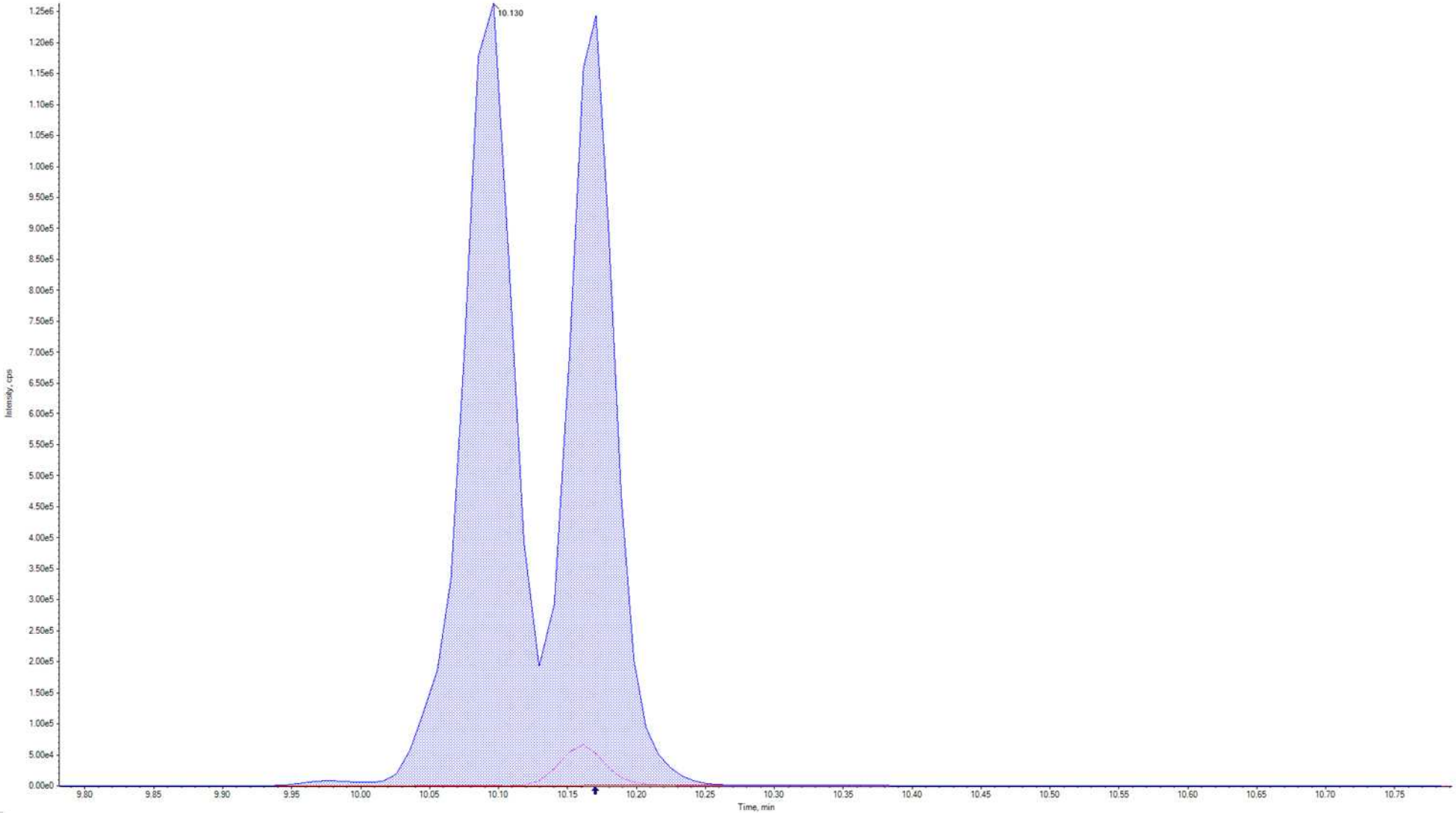
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA
Sample: IA1633STD-62.5 S/N:8488.7 Points Across peak:47



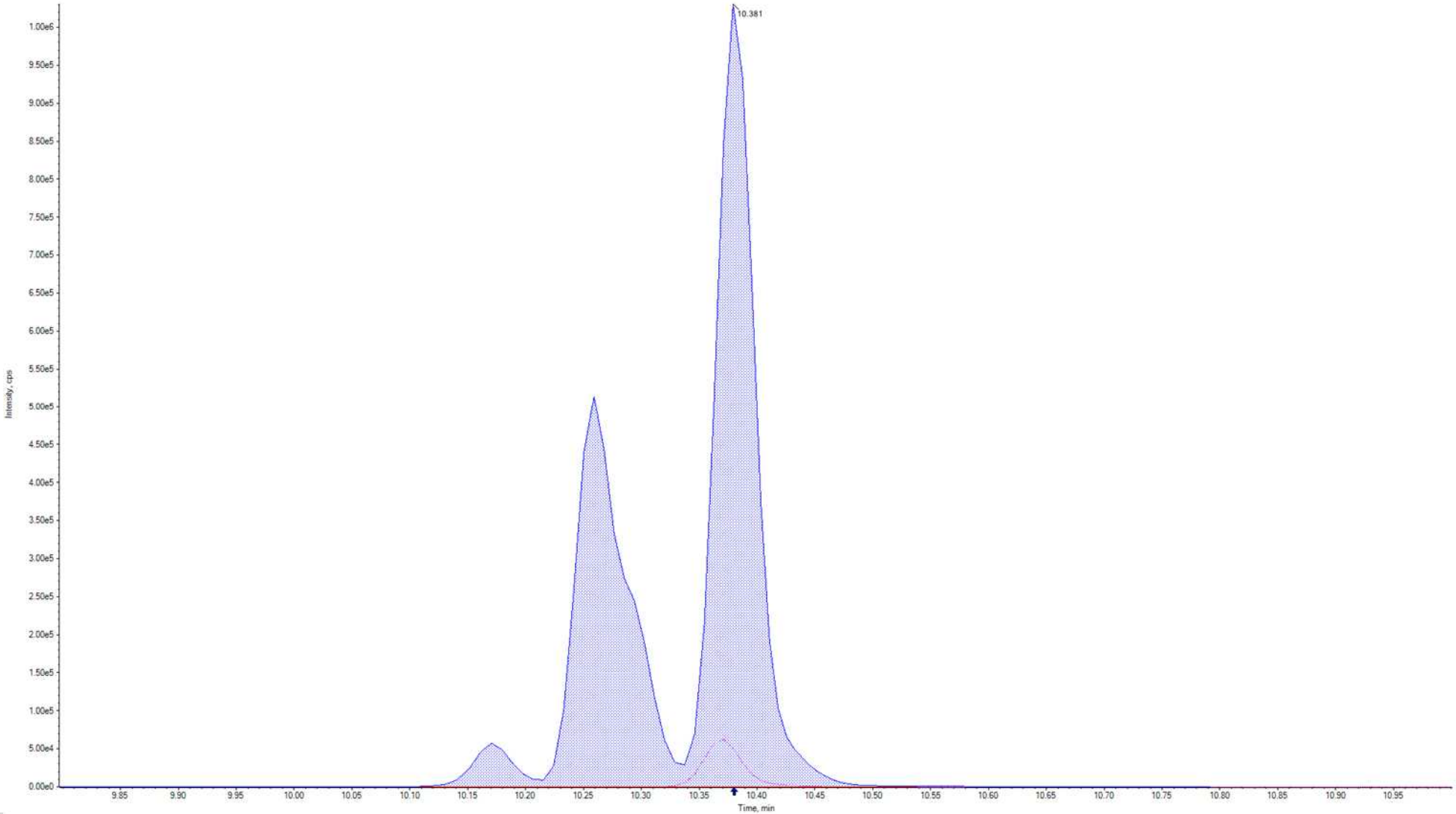
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSA_2
Sample: IA1633STD-62.5 S/N:2667.0 Points Across peak:42



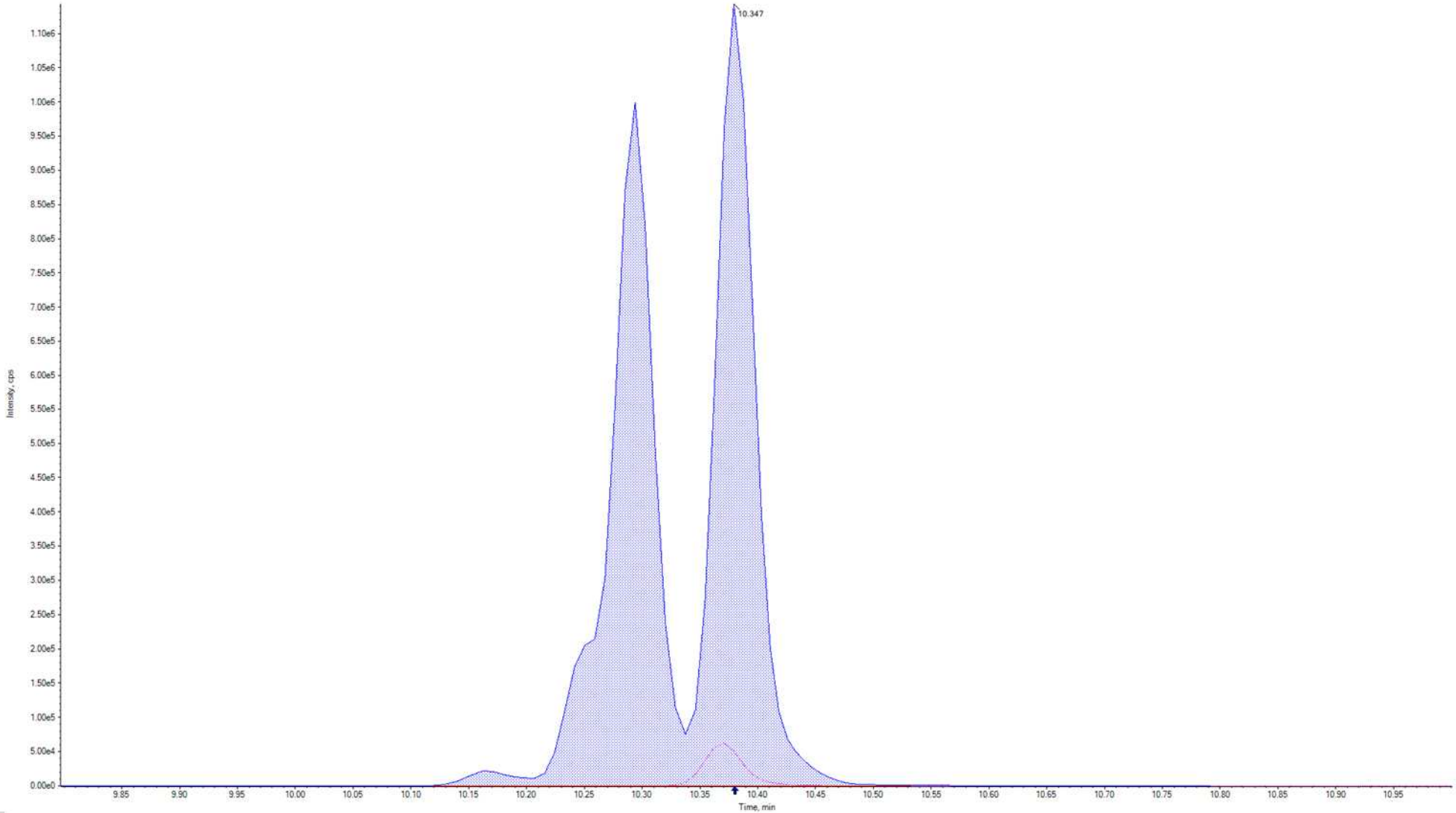
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA
Sample: IA1633STD-62.5 S/N:26257.4 Points Across peak:56



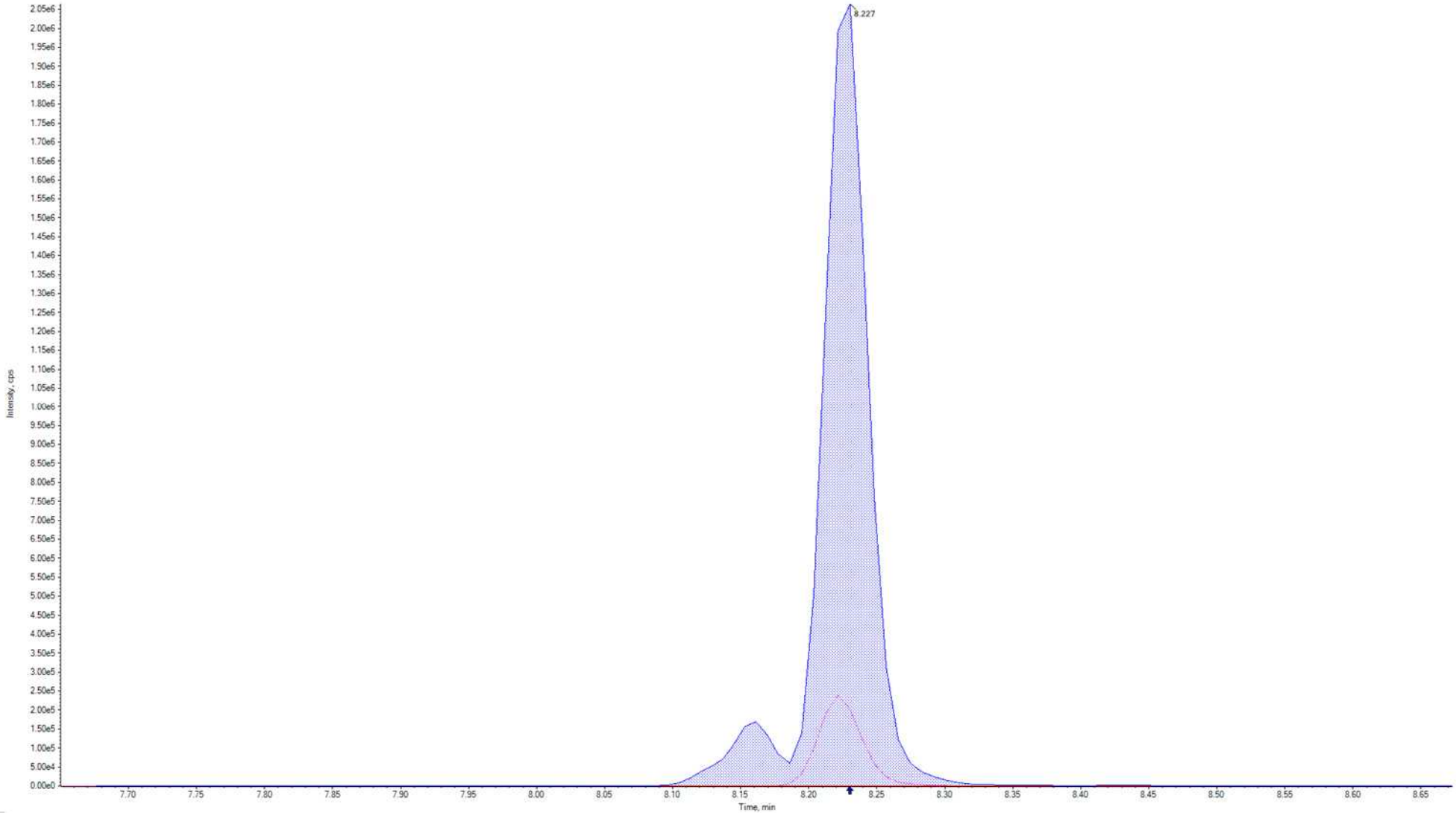
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSA_2
Sample: IA1633STD-62.5 S/N:66857.5 Points Across peak:54



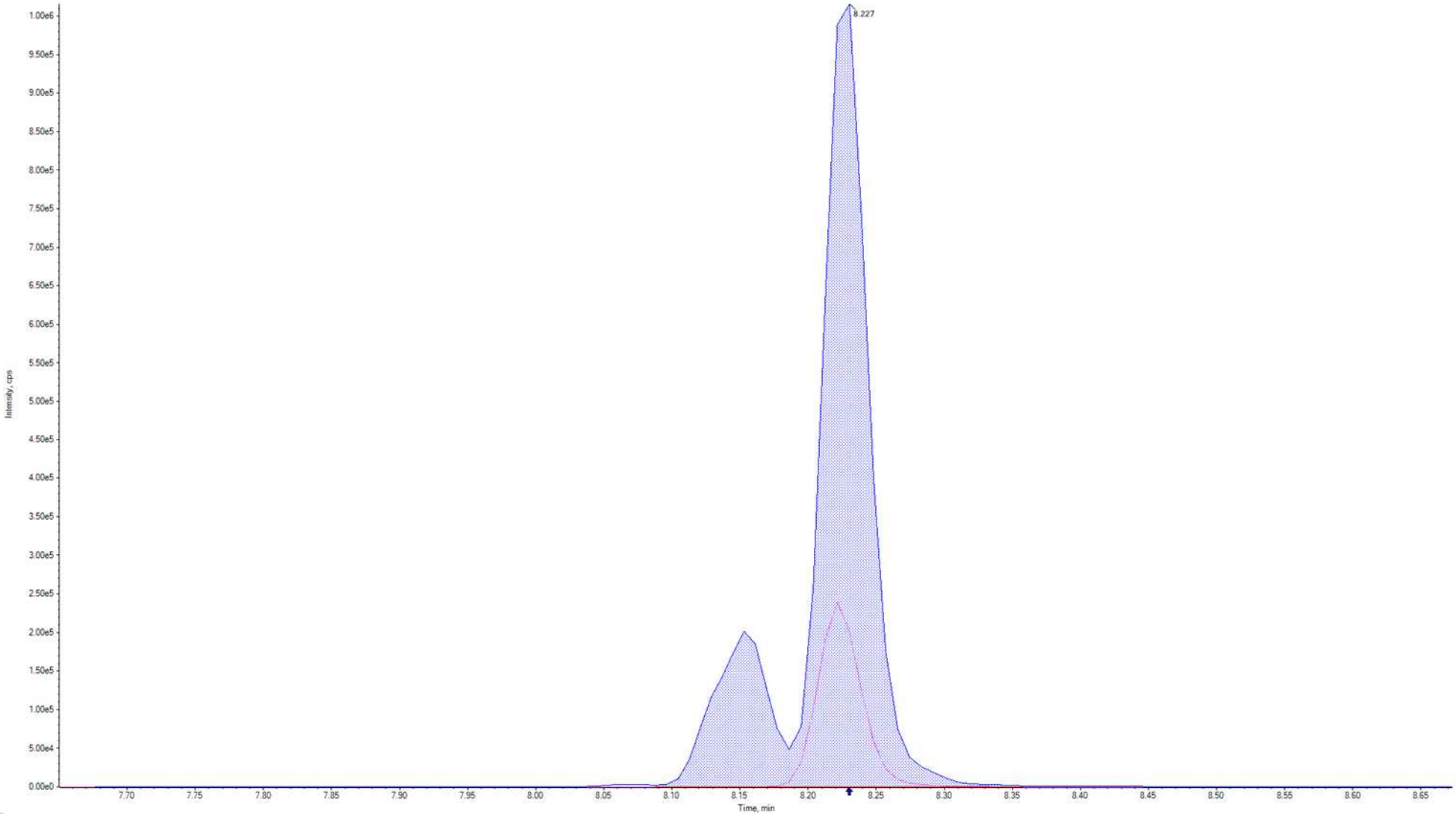
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA
Sample: IA1633STD-62.5 S/N:1401.6 Points Across peak:47



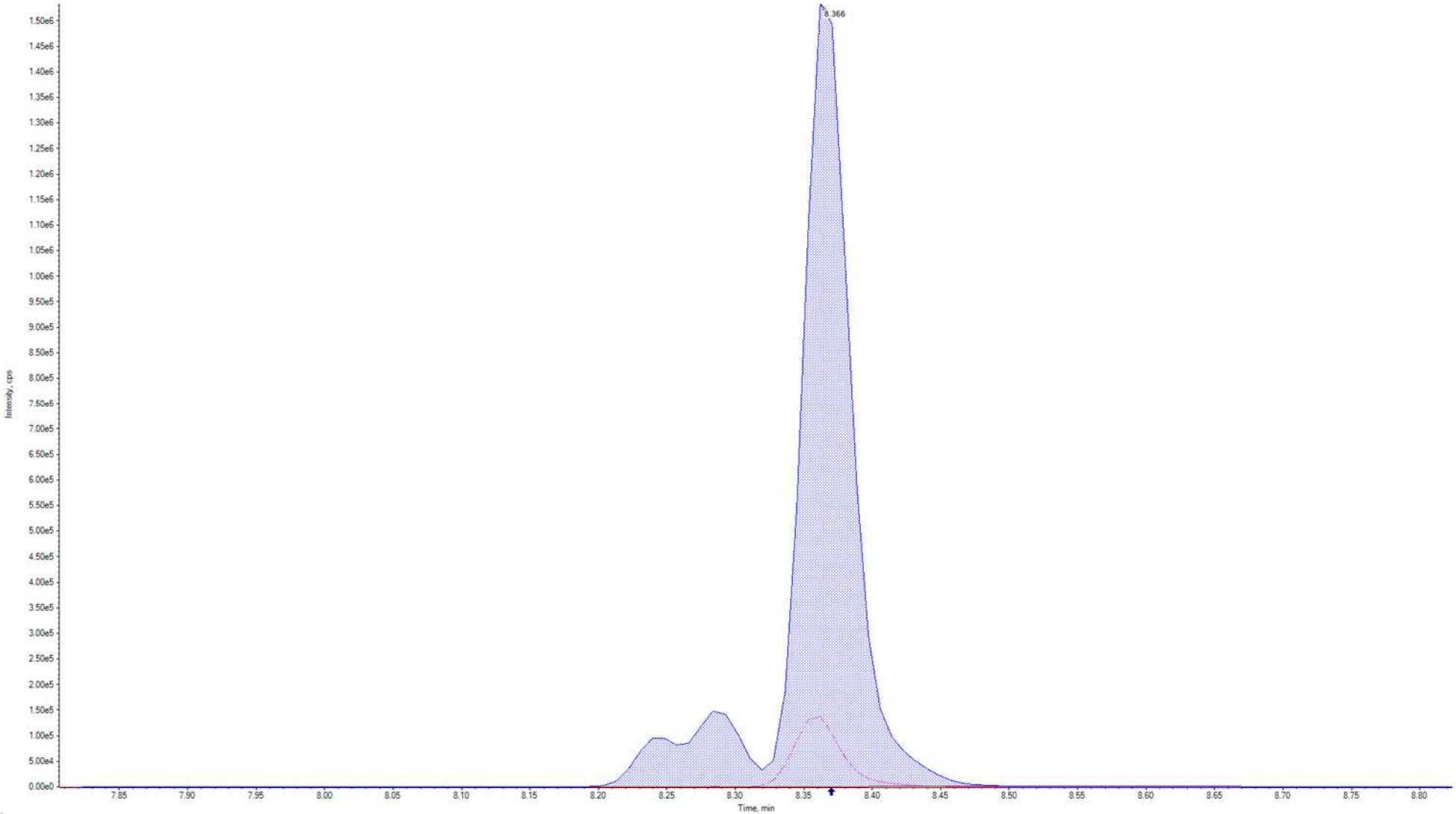
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSAA_2
Sample: IA1633STD-62.5 S/N:743.3 Points Across peak:33



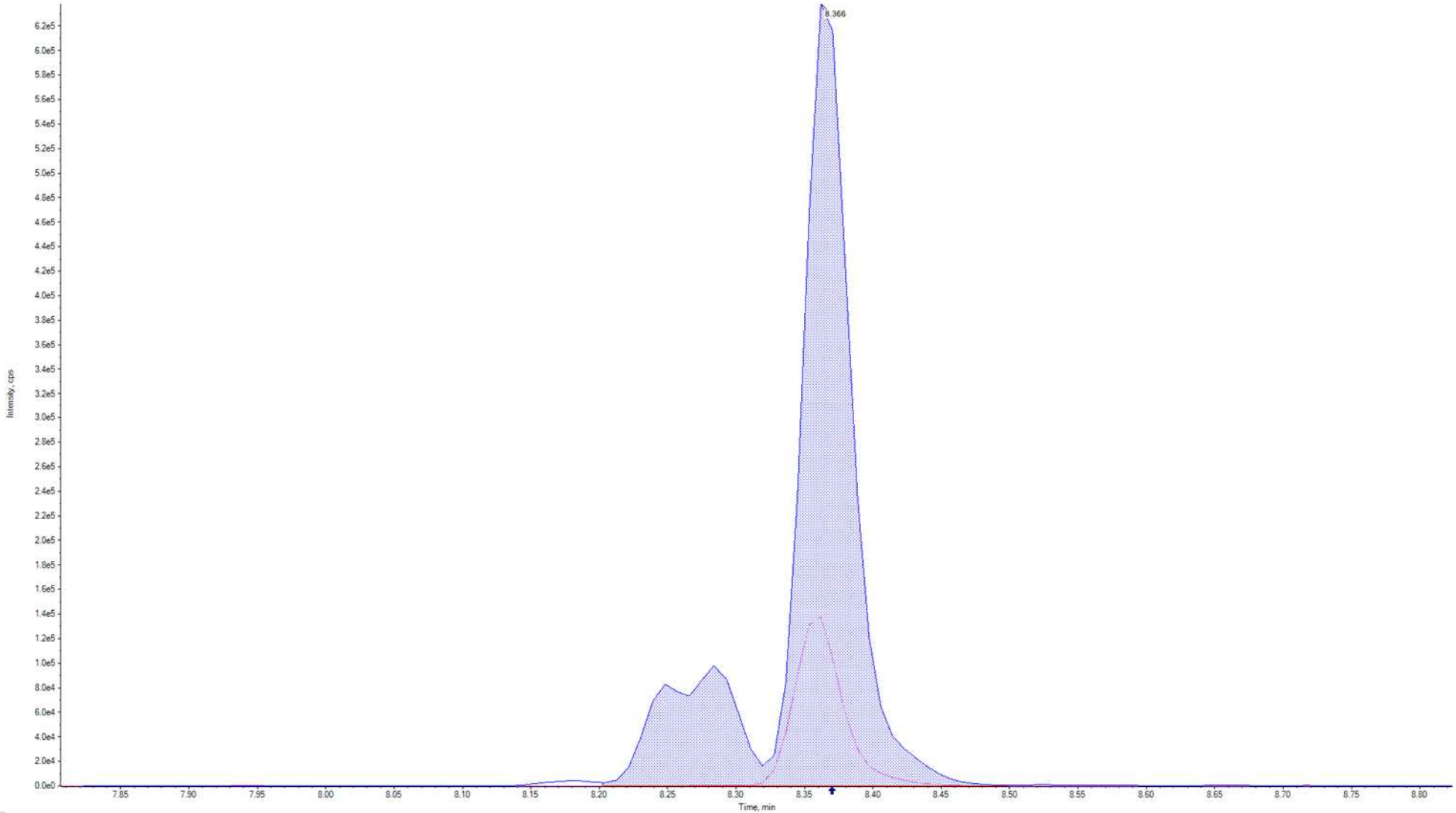
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA
Sample: IA1633STD-62.5 S/N:911.1 Points Across peak:40



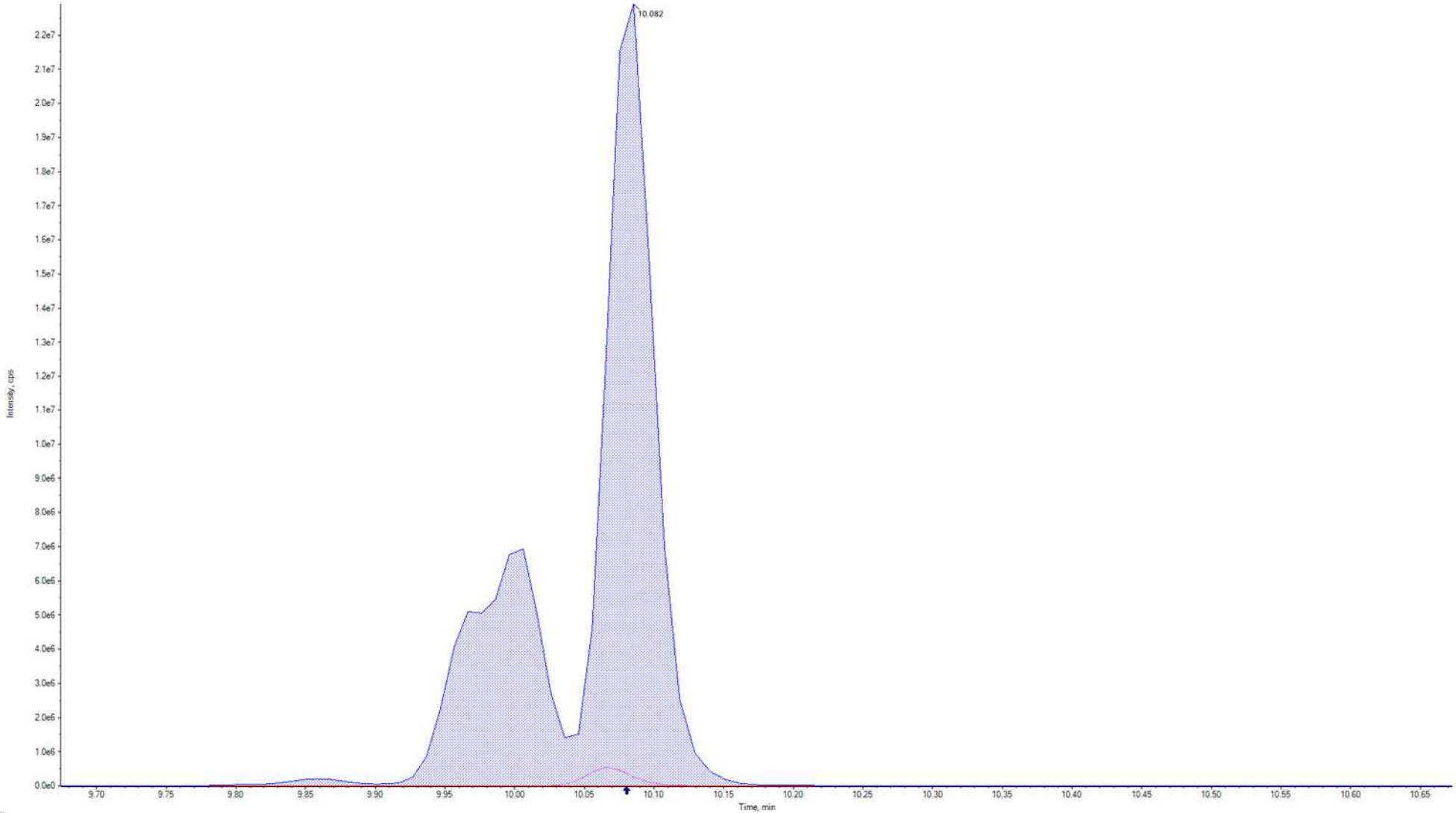
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSAA_2
Sample: IA1633STD-62.5 S/N:595.3 Points Across peak:36



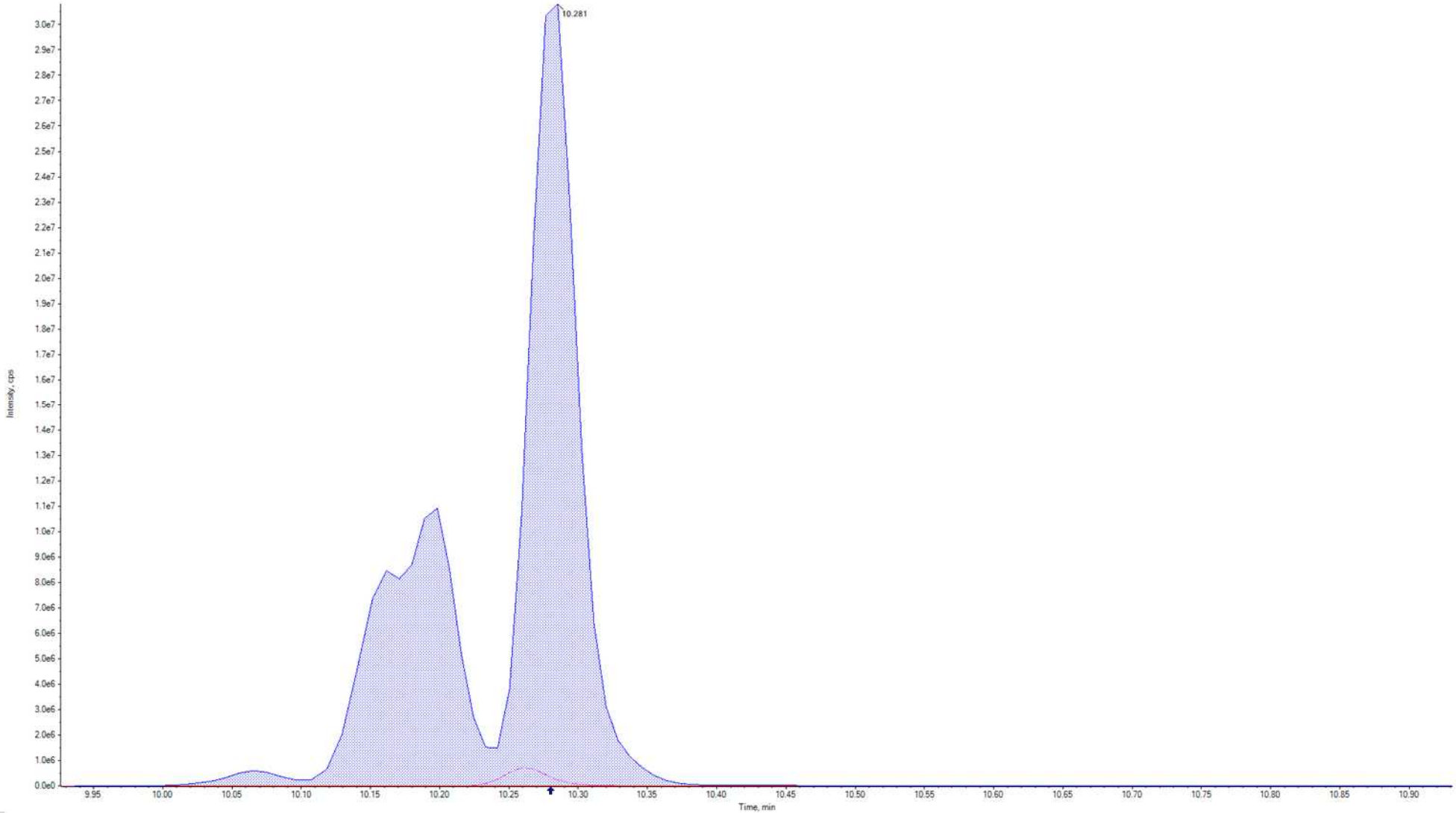
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NMeFOSE
Sample: IA1633STD-62.5 S/N:9664.4 Points Across peak:55



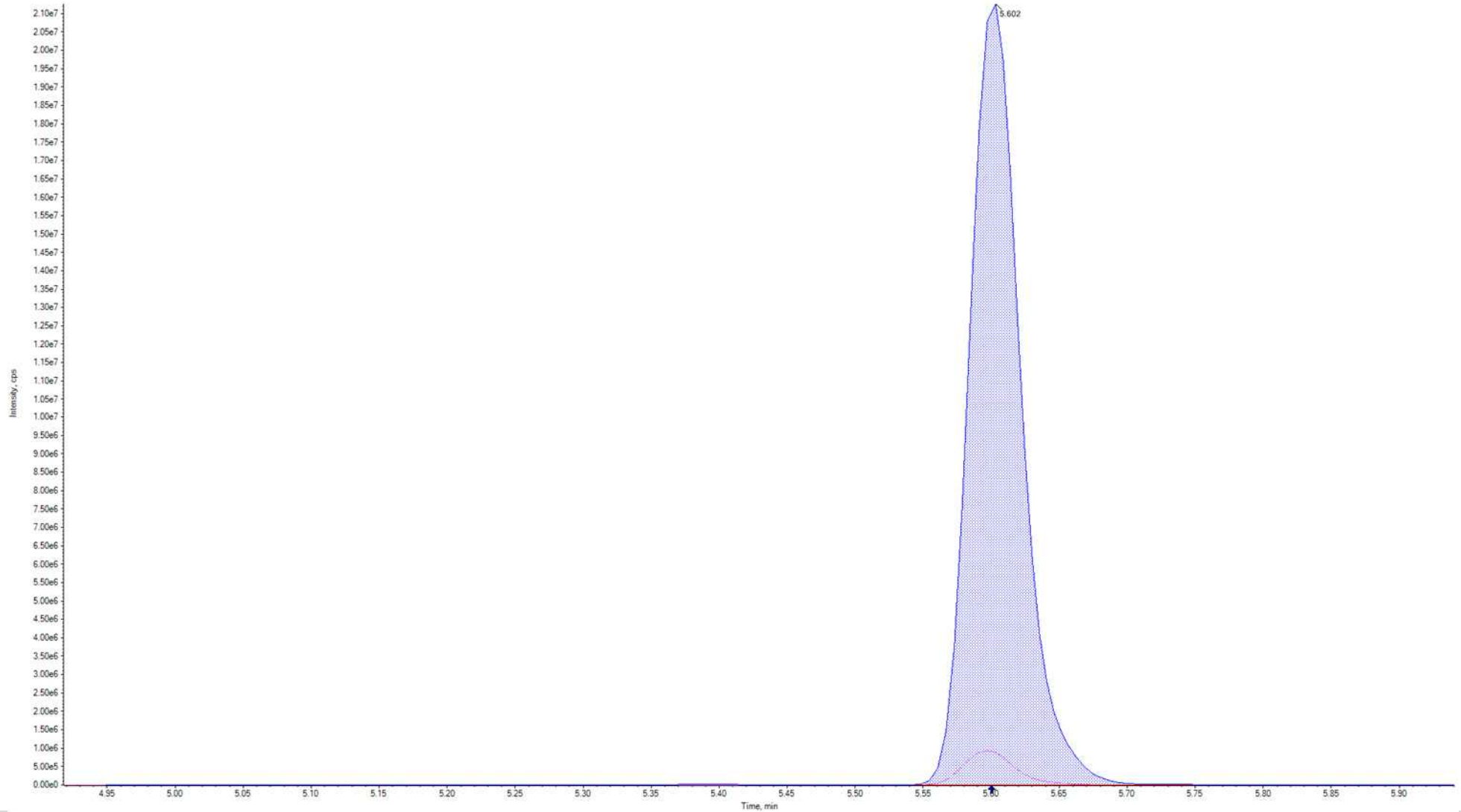
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NEtFOSE
Sample: IA1633STD-62.5 S/N:5049.0 Points Across peak:63



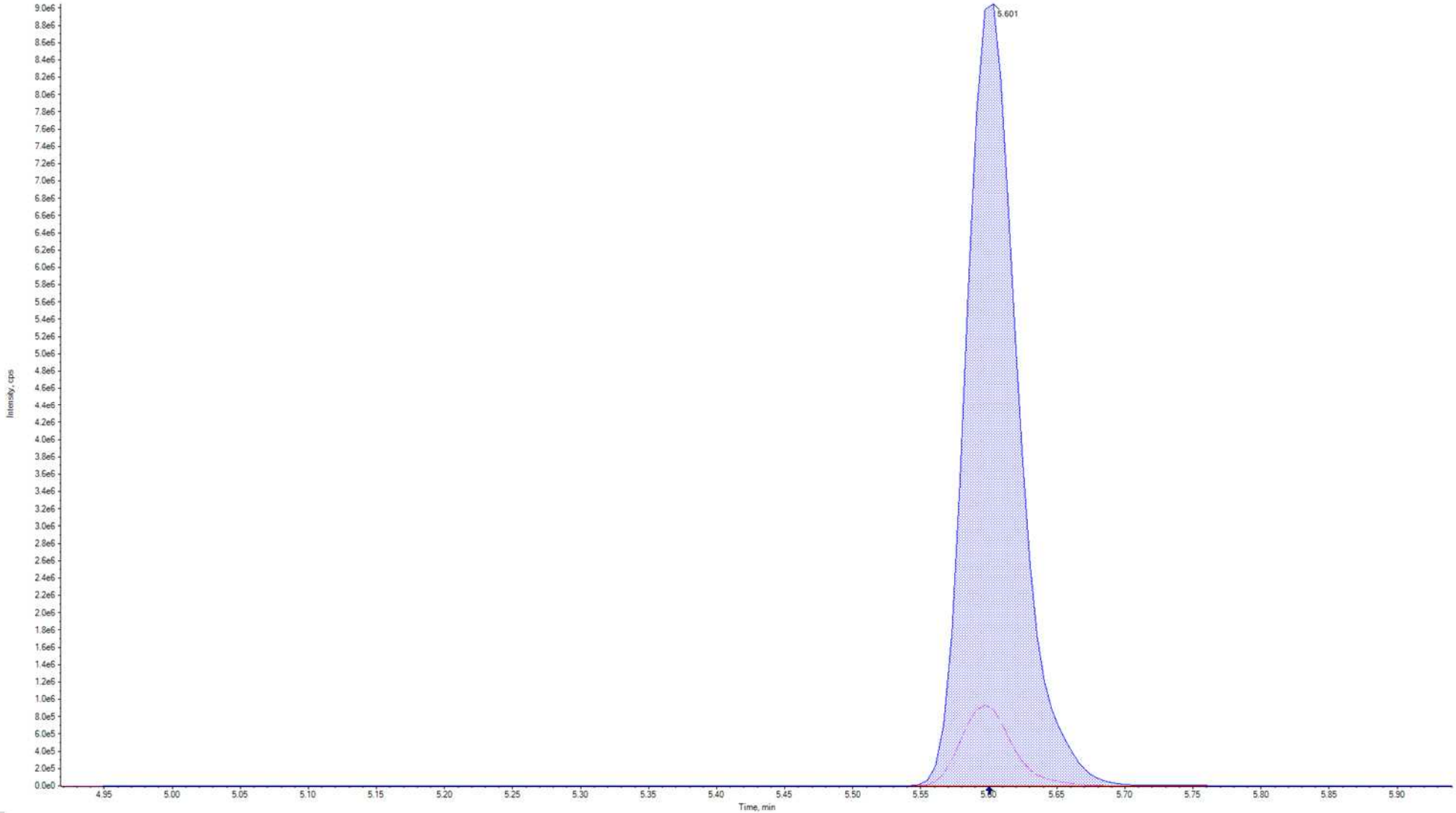
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA
Sample: IA1633STD-62.5 S/N:44180.4 Points Across peak:74



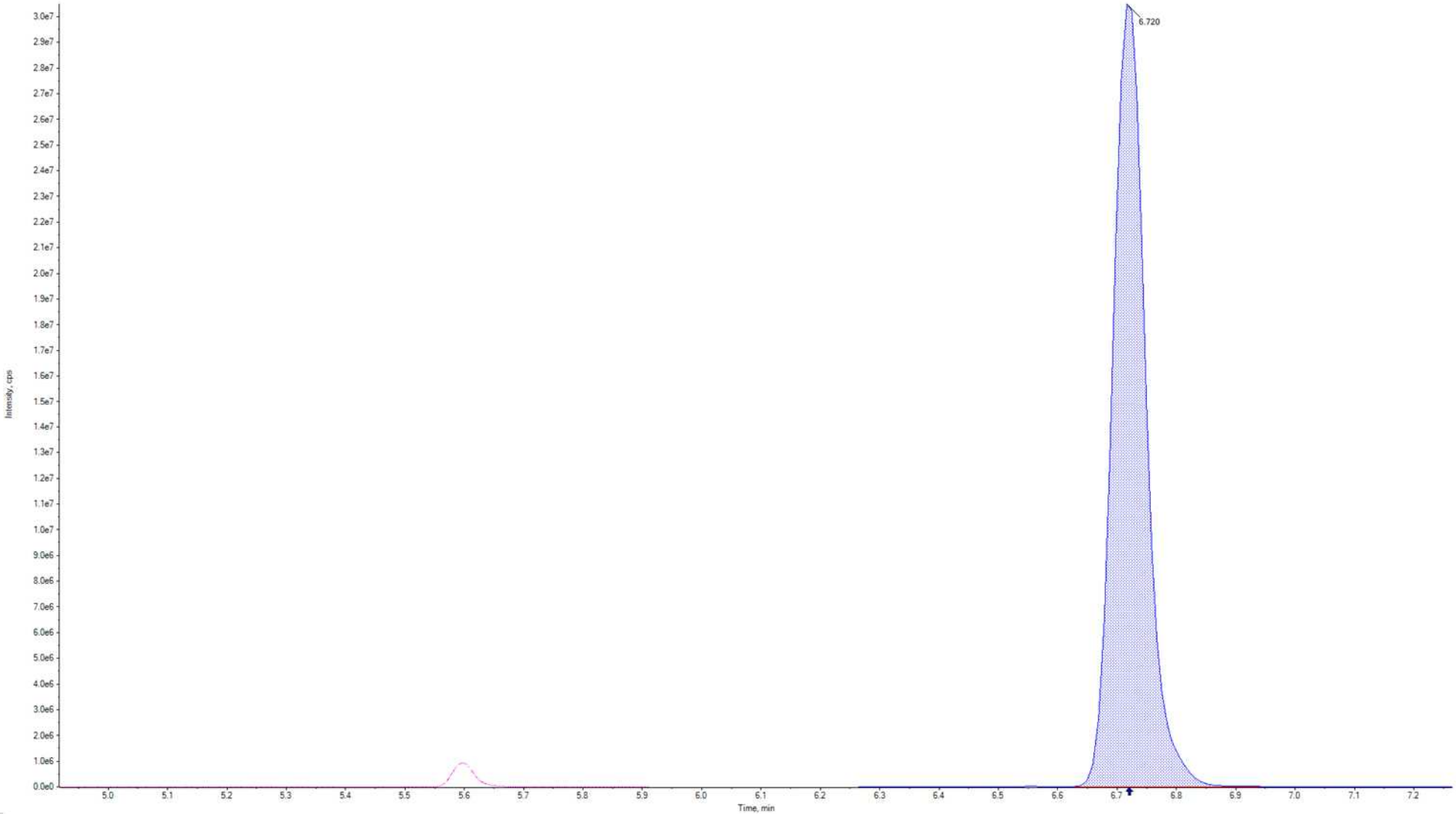
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

HFPO-DA_2
Sample: IA1633STD-62.5 S/N:16832.5 Points Across peak:56



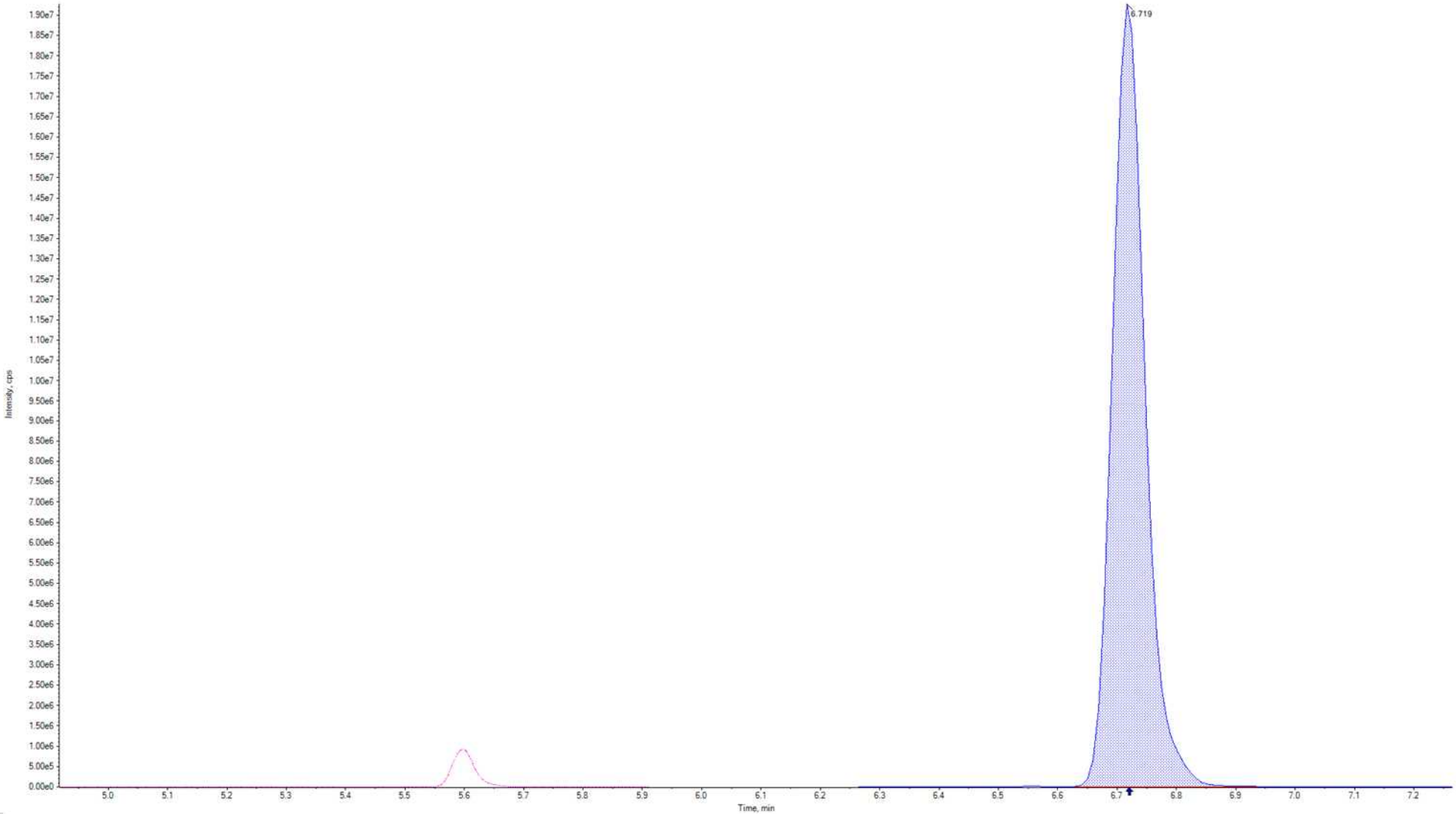
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA
Sample: IA1633STD-62.5 S/N:28417.9 Points Across peak:55



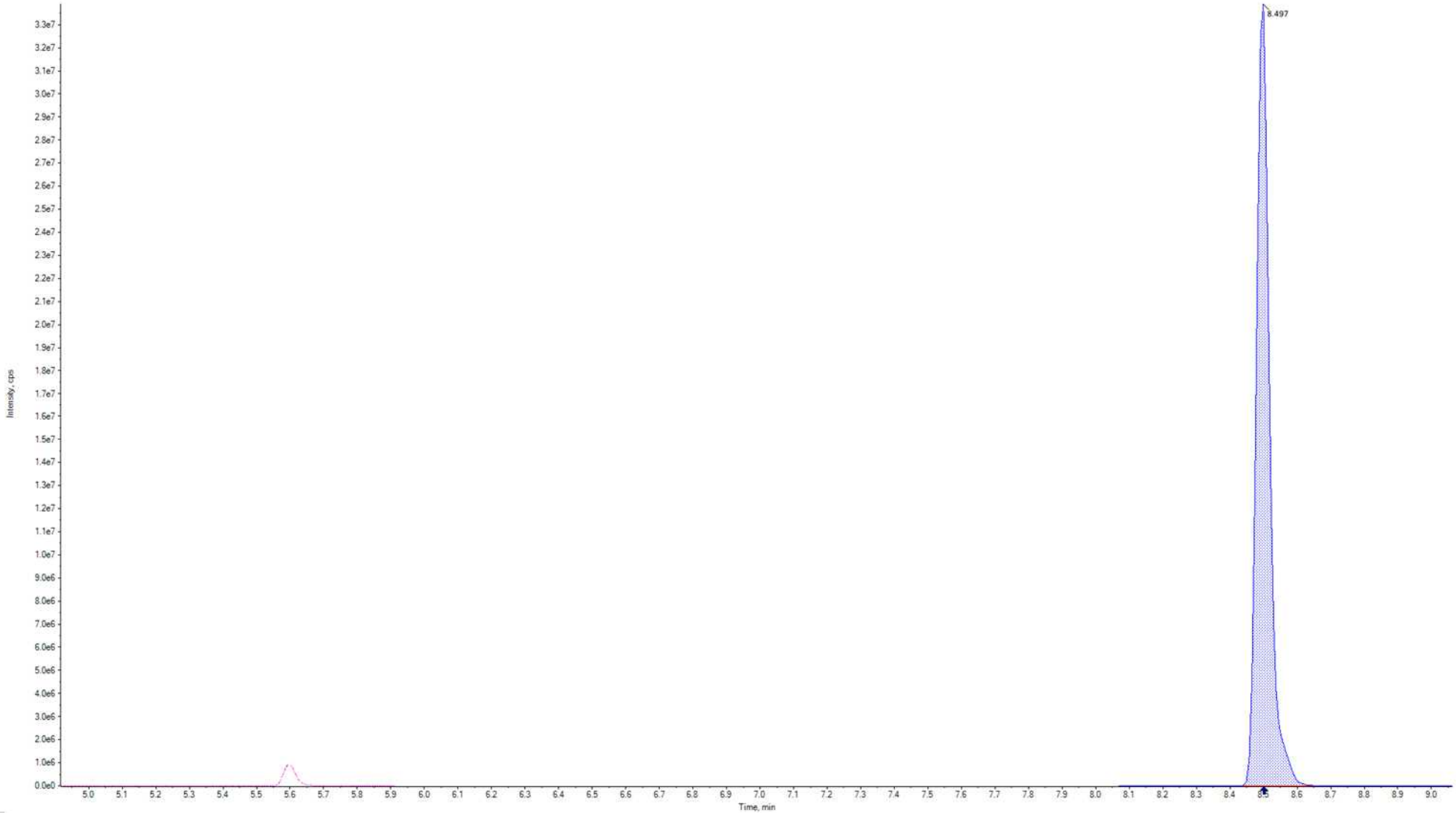
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

ADONA_2
Sample: IA1633STD-62.5 S/N:25885.3 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS
Sample: IA1633STD-62.5 S/N:119953.3 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

9Cl-PF3ONS_2
Sample: IA1633STD-62.5 S/N:84216.3 Points Across peak:33

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

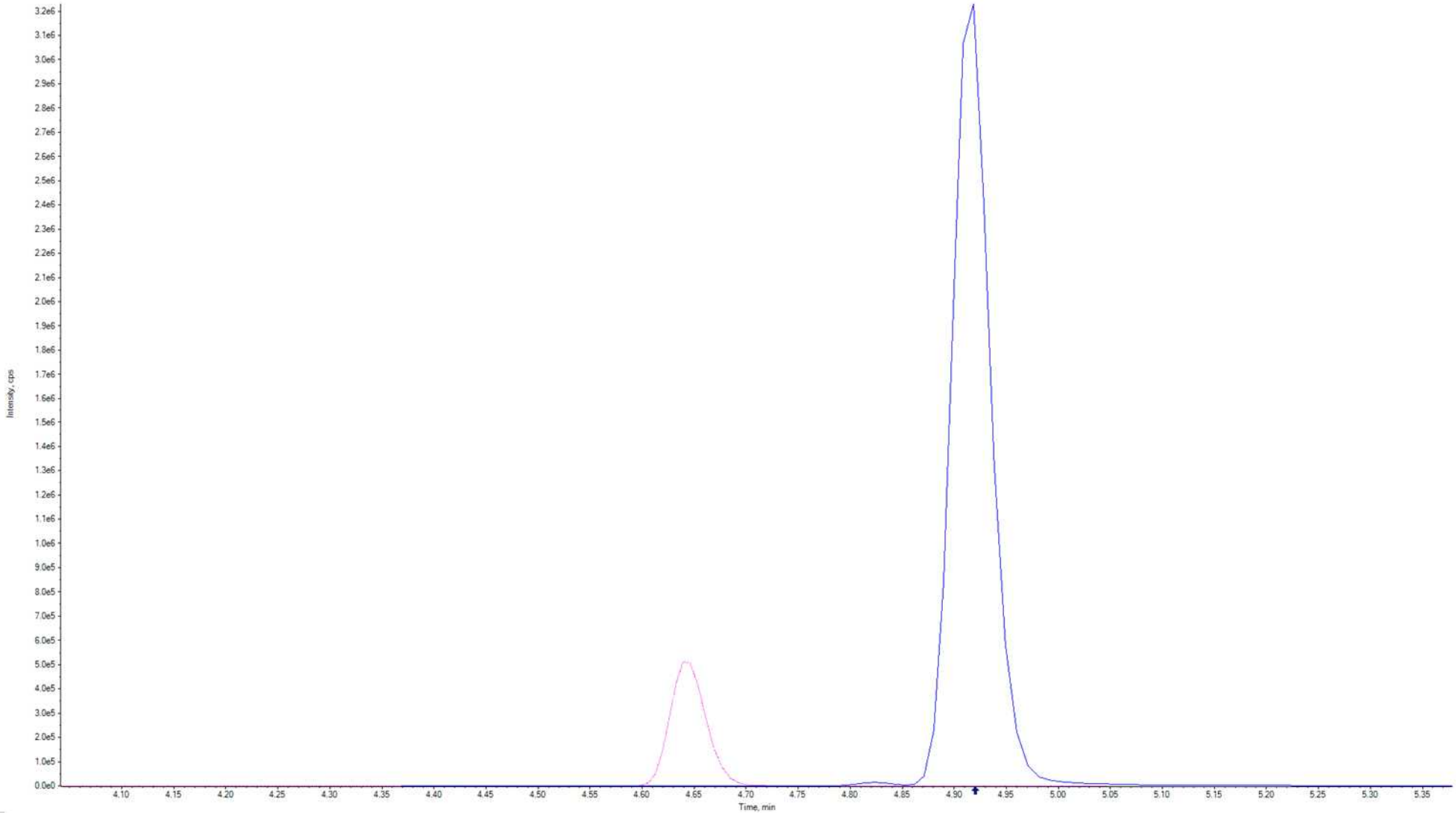
11Cl-PF3OUdS
Sample: IA1633STD-62.5 S/N:53513.6 Points Across peak:48

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

11Cl-PF3OUdS_2
Sample: IA1633STD-62.5 S/N:151573.5 Points Across peak:45

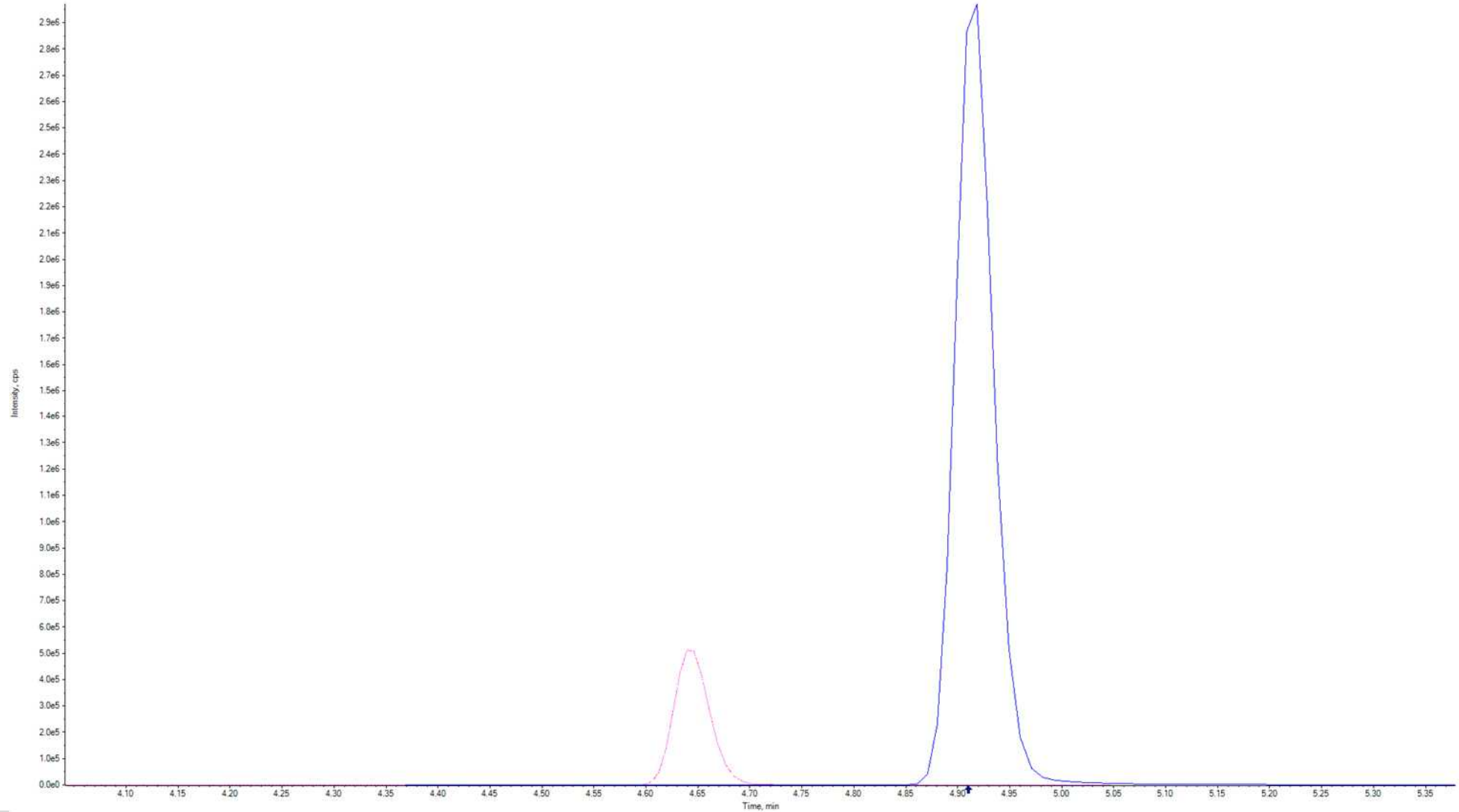
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

3:3FTCA_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

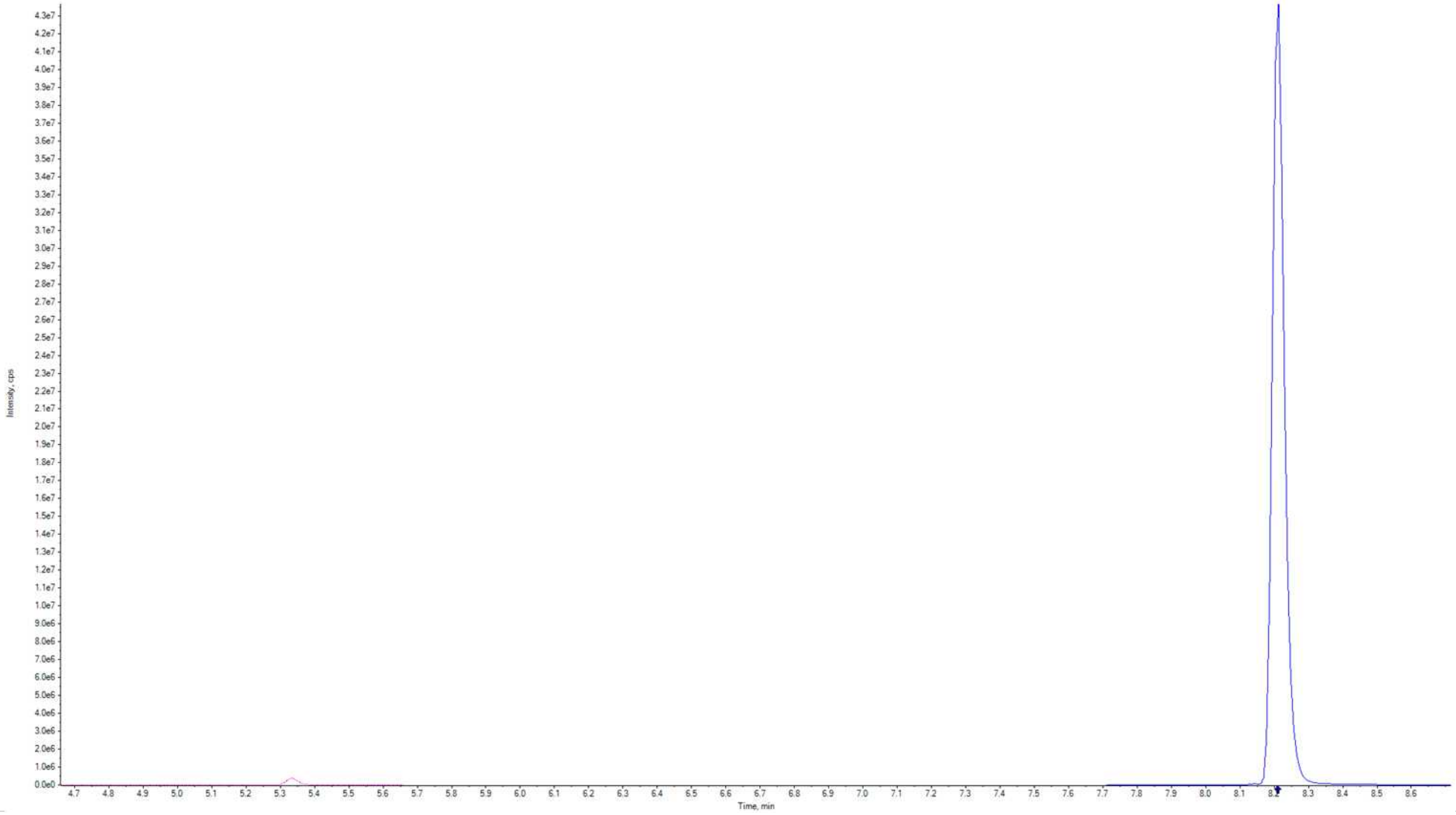
5:3FTCA
Sample: IA1633STD-62.5 S/N:34646.5 Points Across peak:75

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

5:3FTCA_2
Sample: IA1633STD-62.5 S/N:26996.7 Points Across peak:52

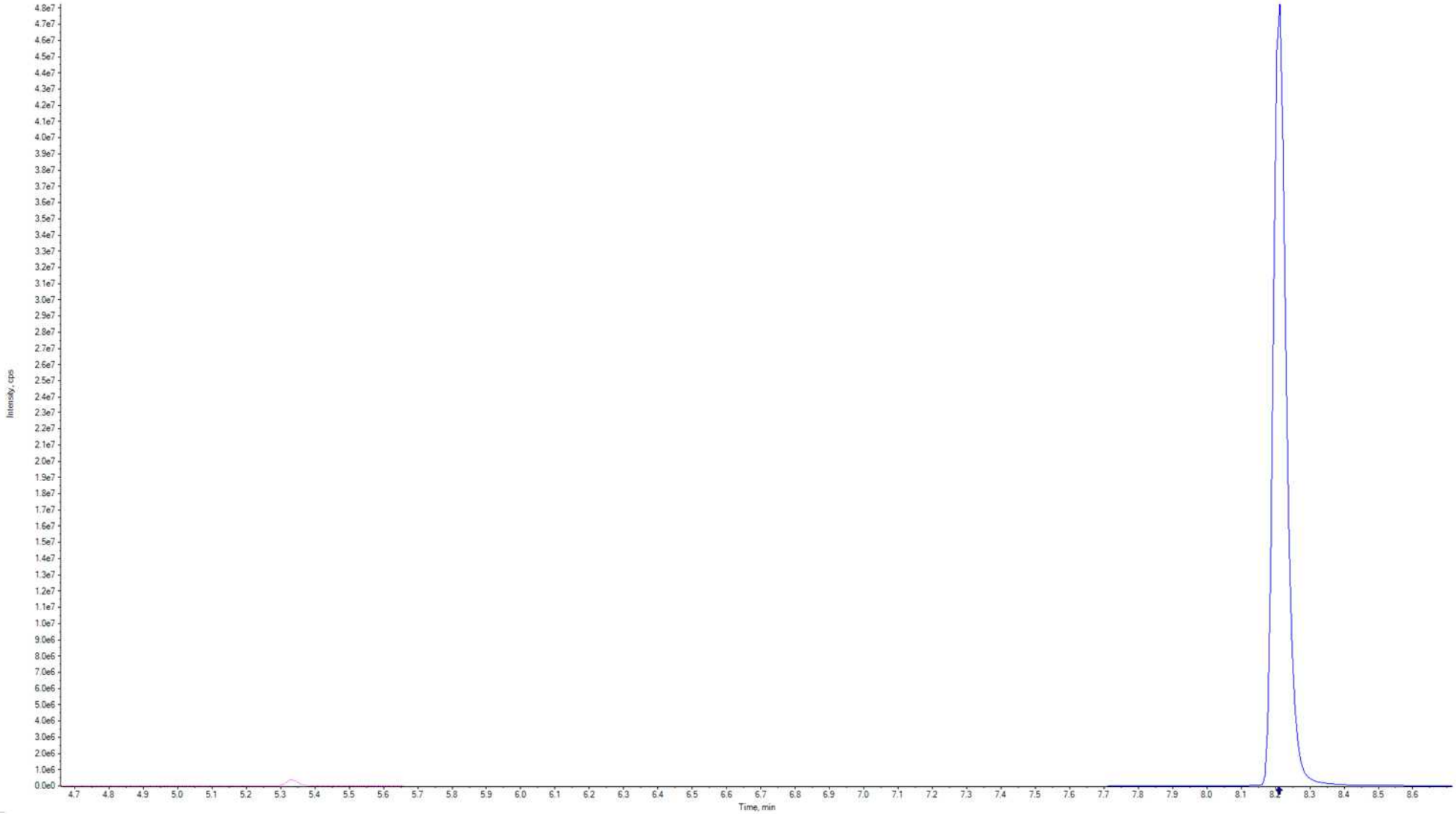
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



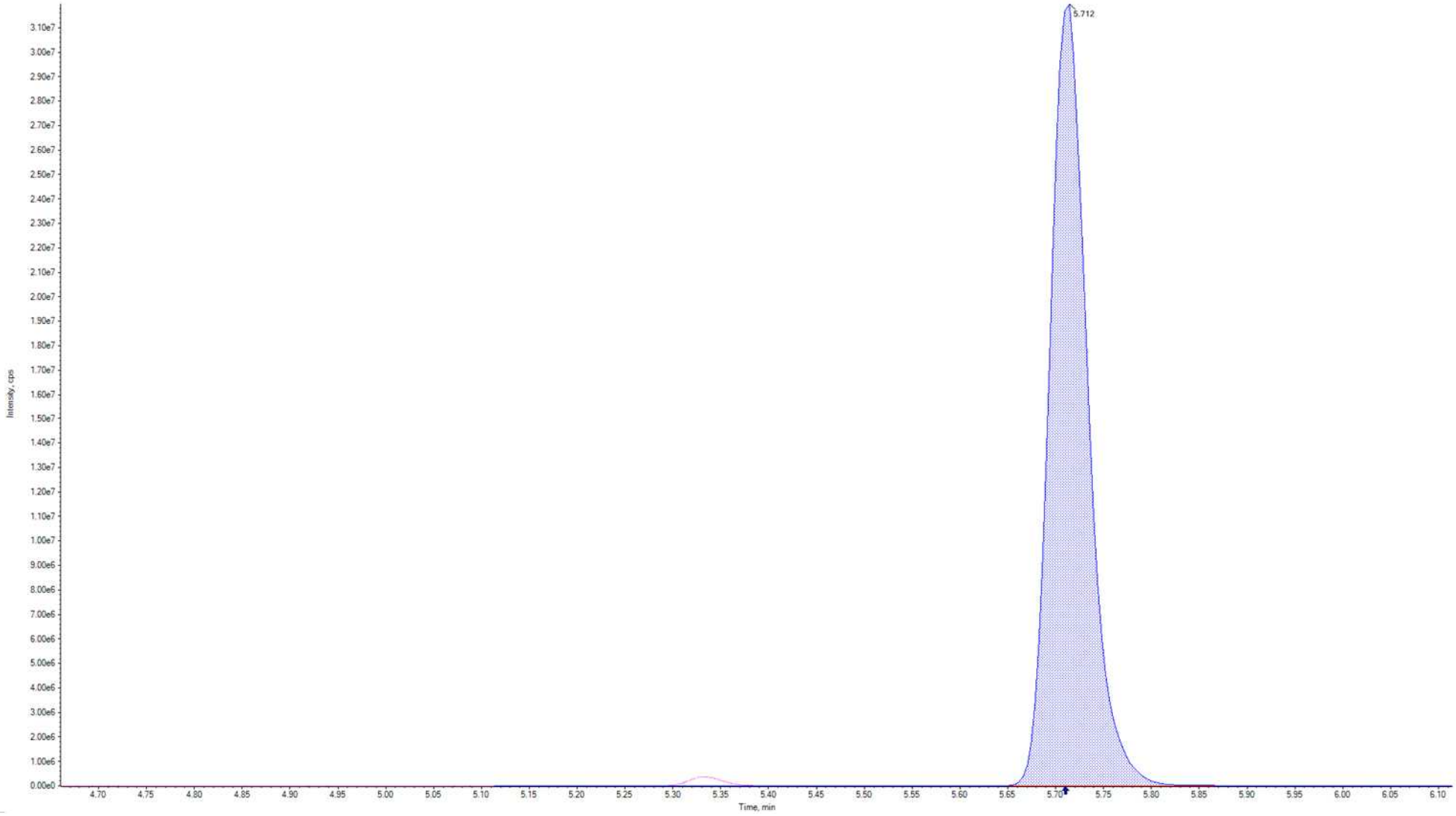
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

7:3FTCA_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



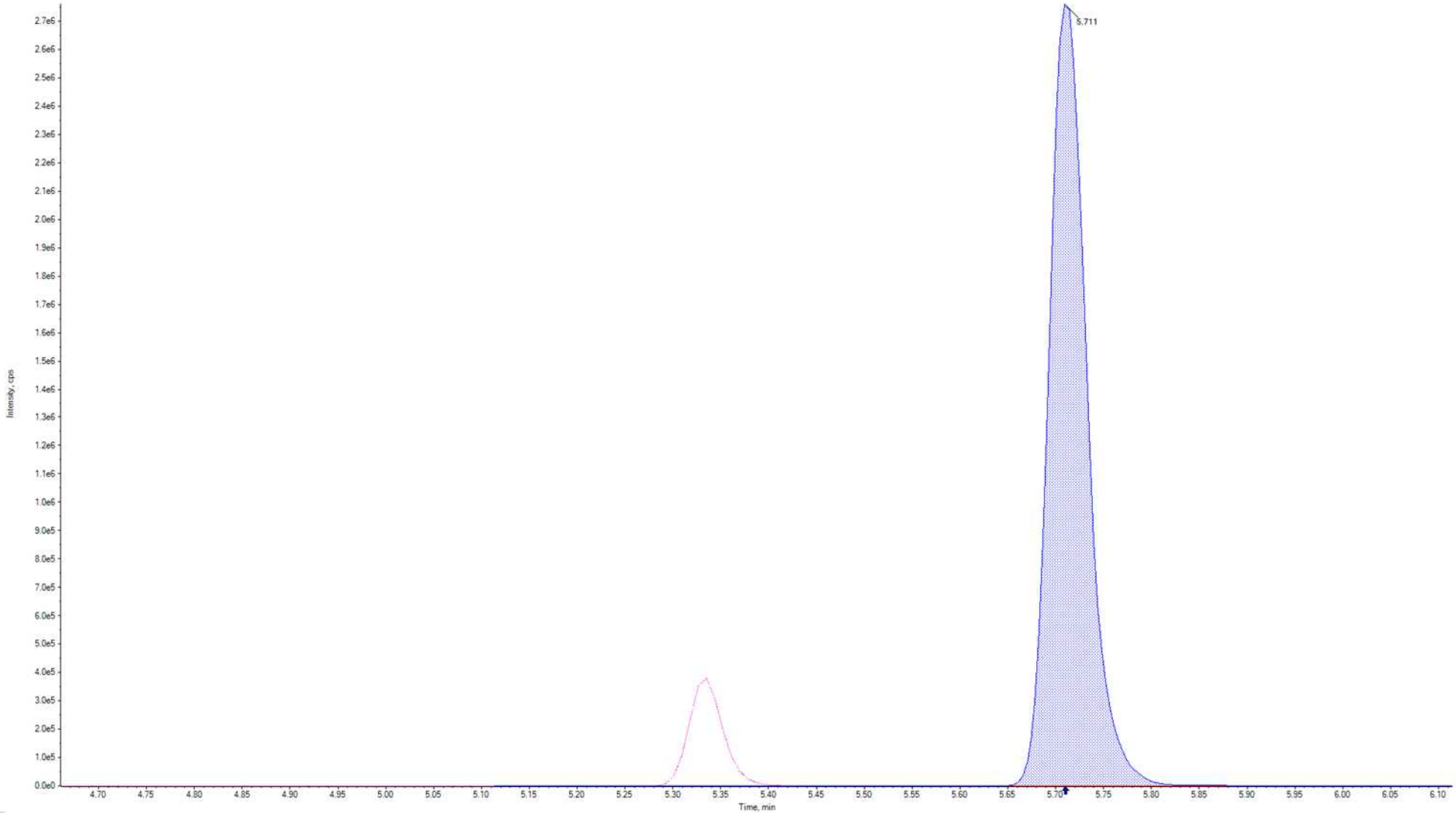
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA
Sample: IA1633STD-62.5 S/N:58046.1 Points Across peak:74



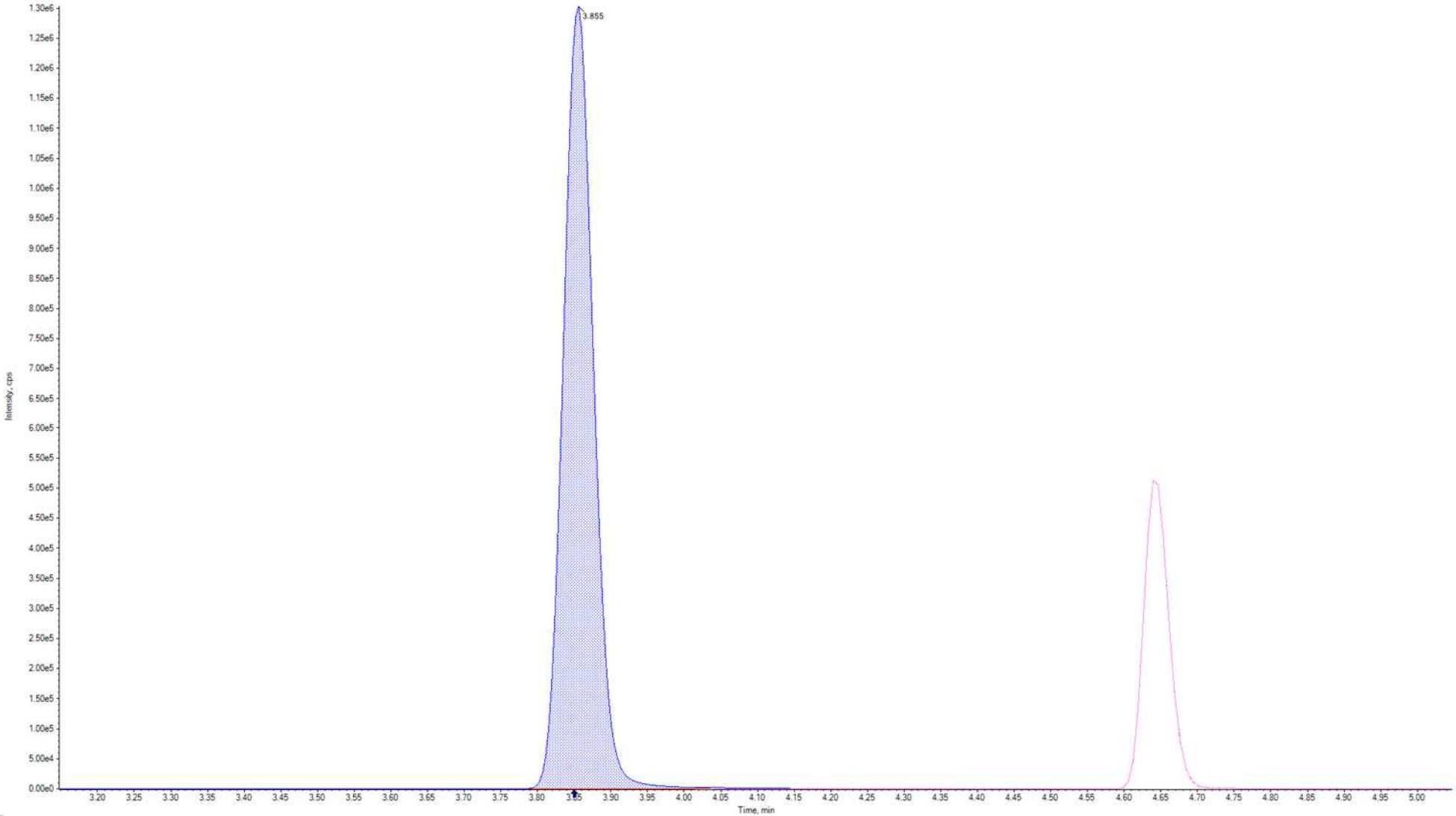
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFEESA_2
Sample: IA1633STD-62.5 S/N:21379.8 Points Across peak:61



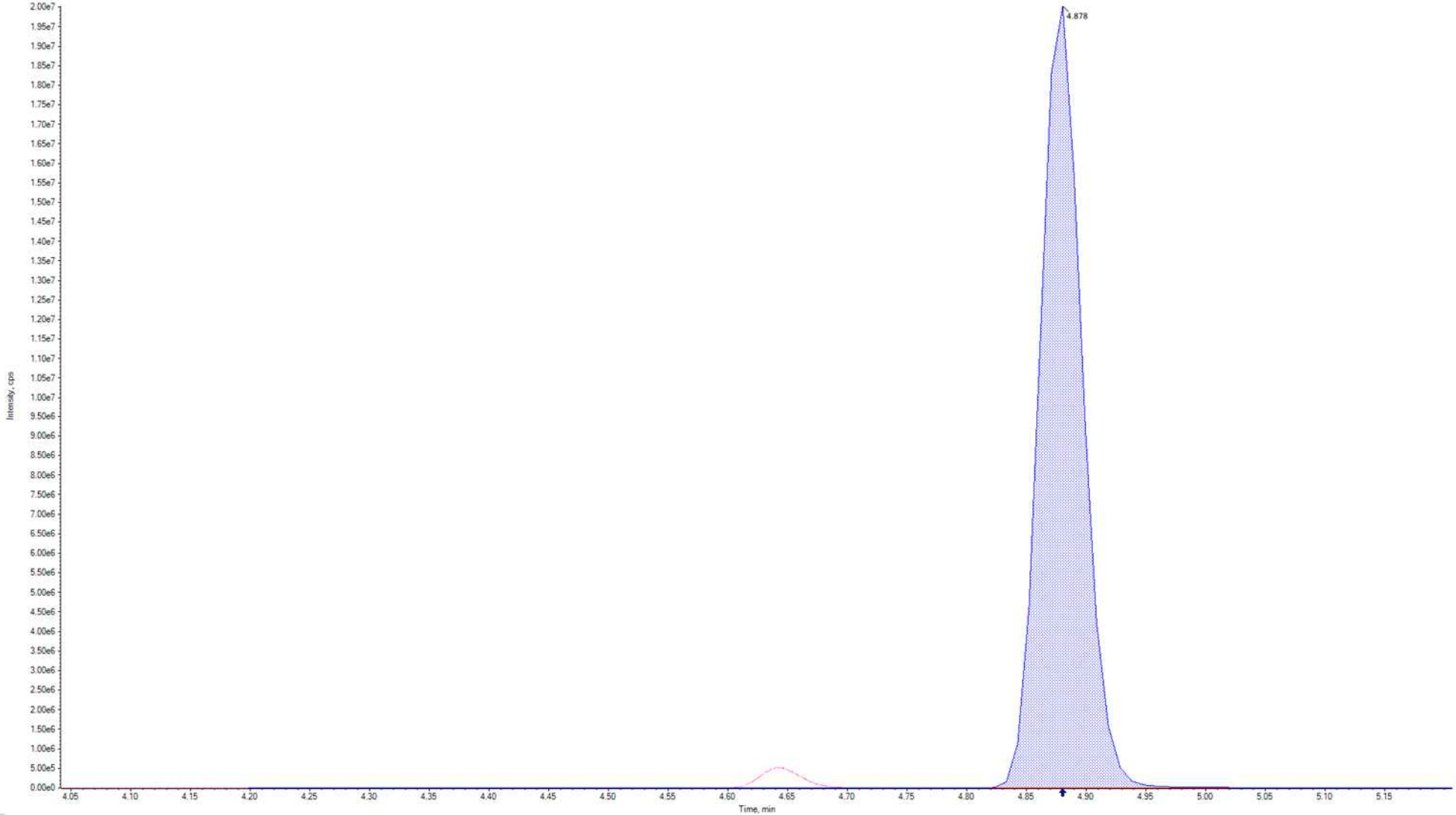
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMPA
Sample: IA1633STD-62.5 S/N:12755.3 Points Across peak:66



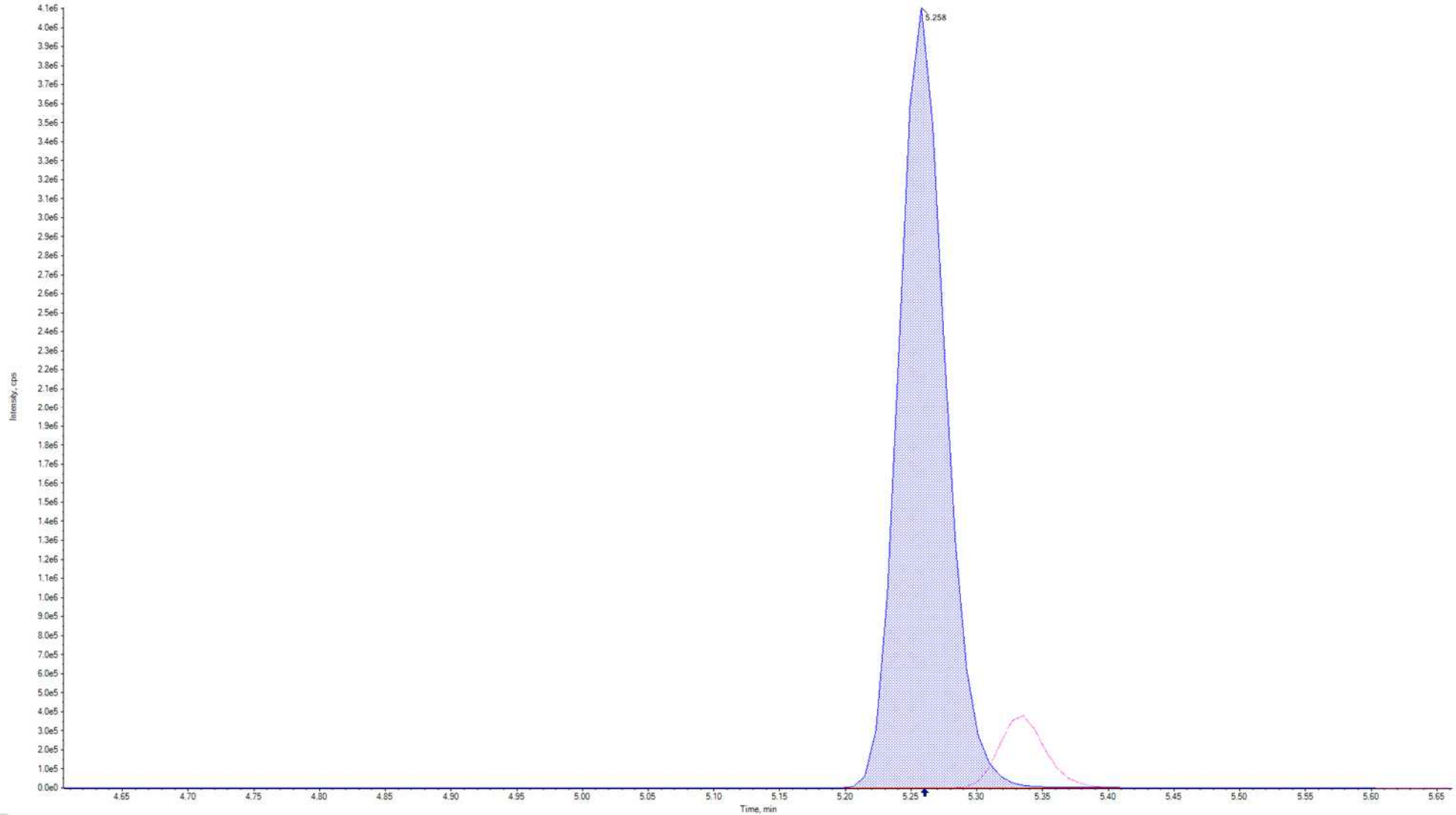
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

PFMBA
Sample: IA1633STD-62.5 S/N:27795.5 Points Across peak:40



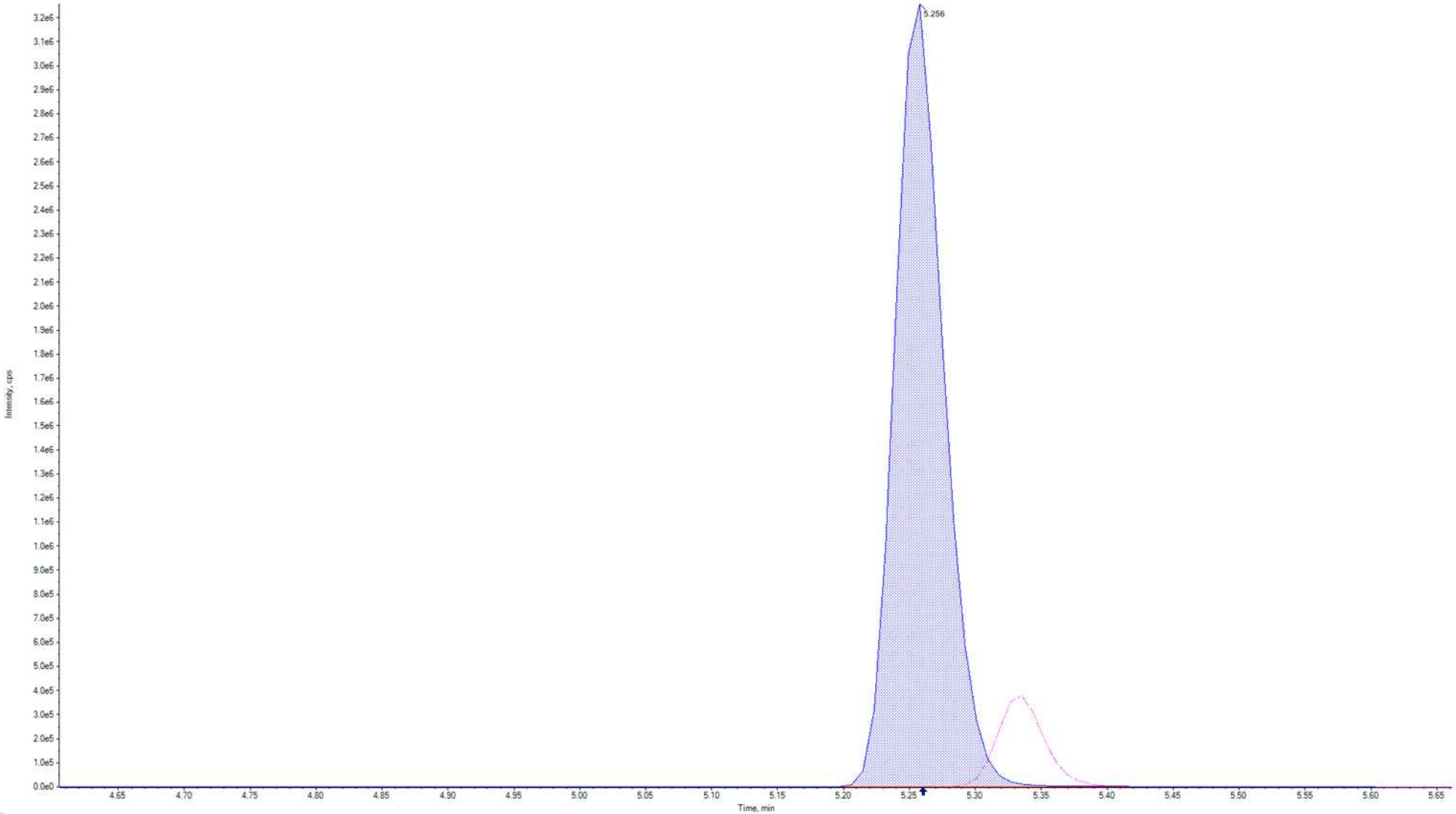
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA
Sample: IA1633STD-62.5 S/N:9101.4 Points Across peak:39



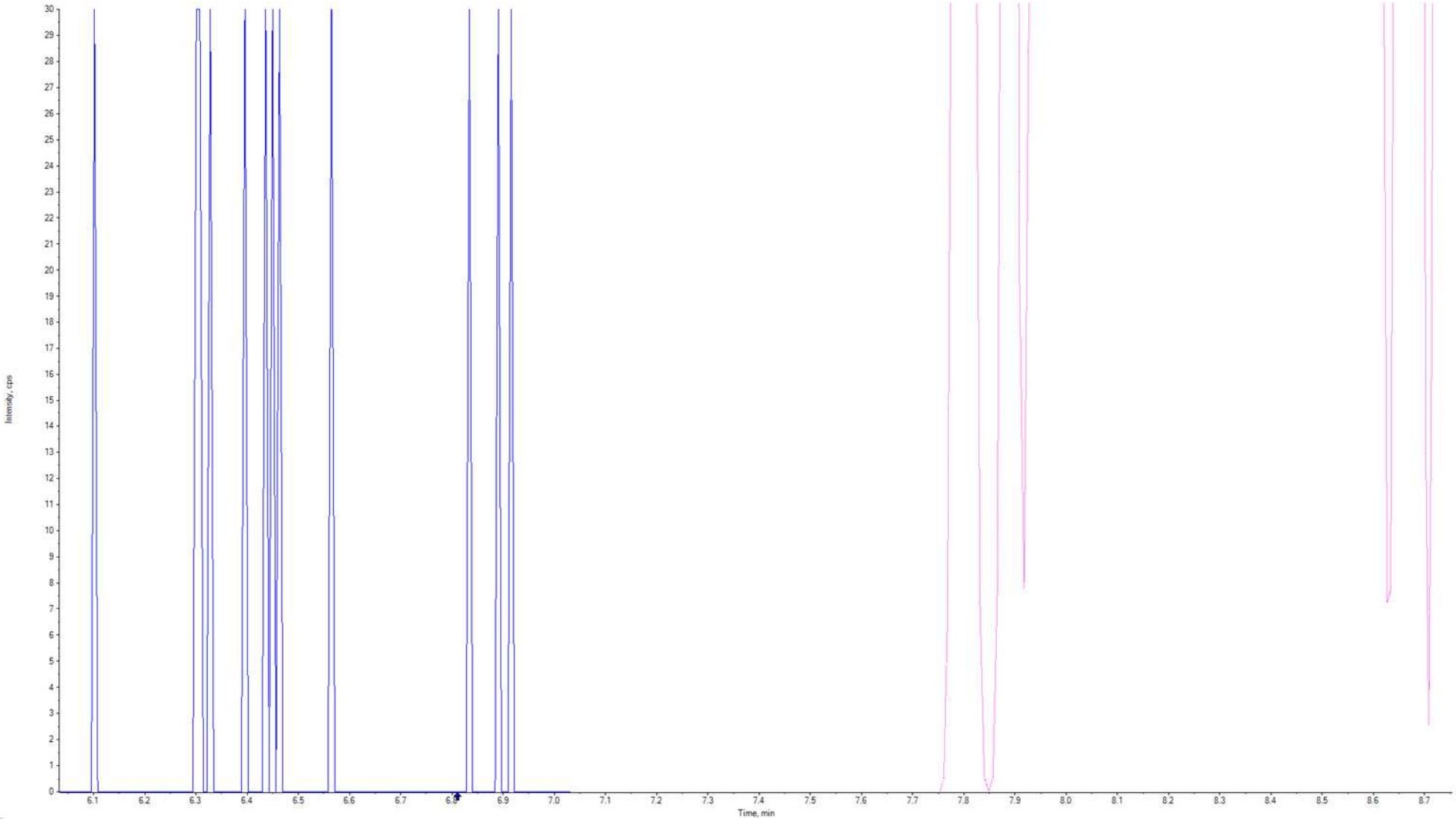
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

NFDHA_2
Sample: IA1633STD-62.5 S/N:9148.1 Points Across peak:39



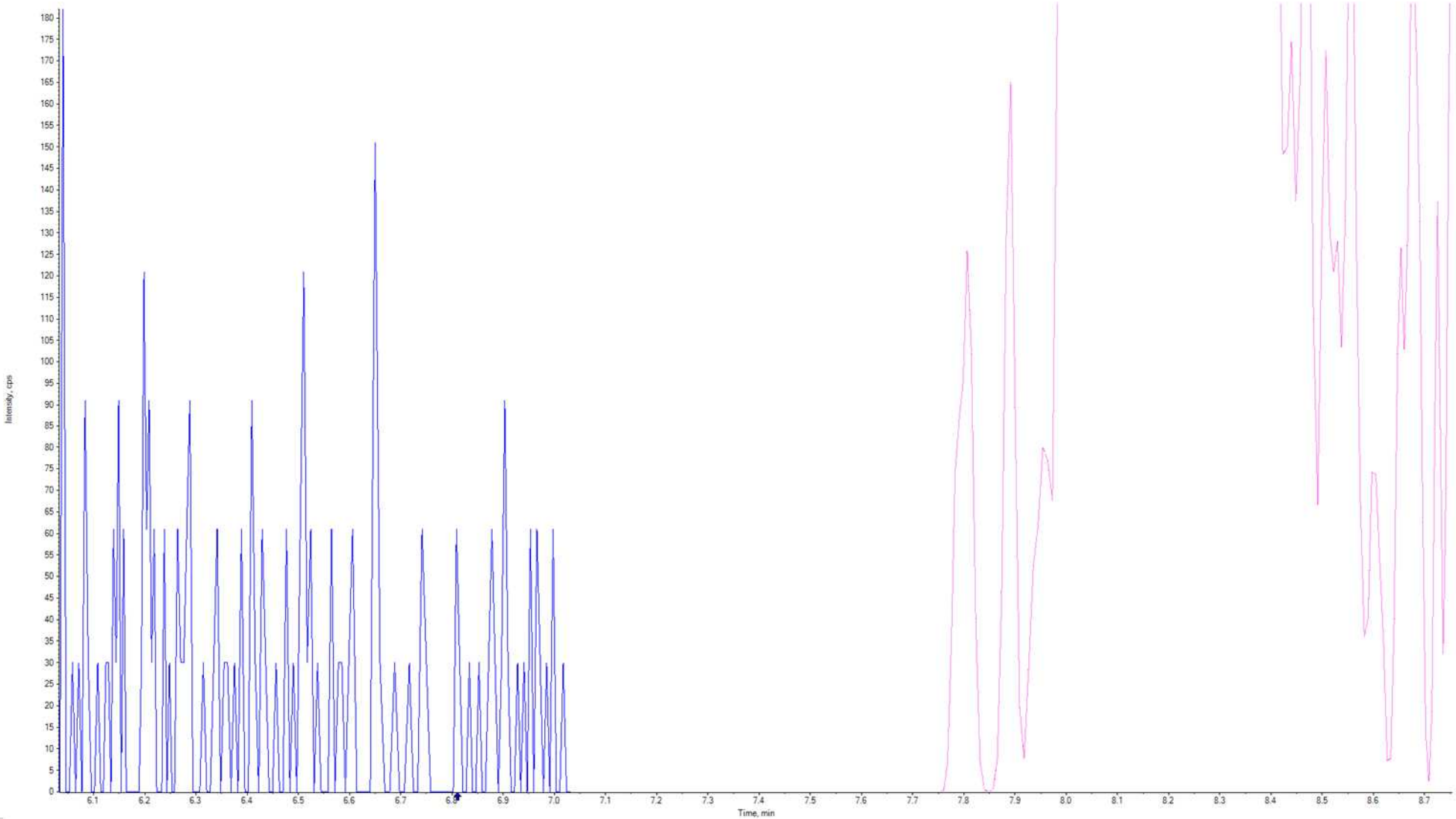
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



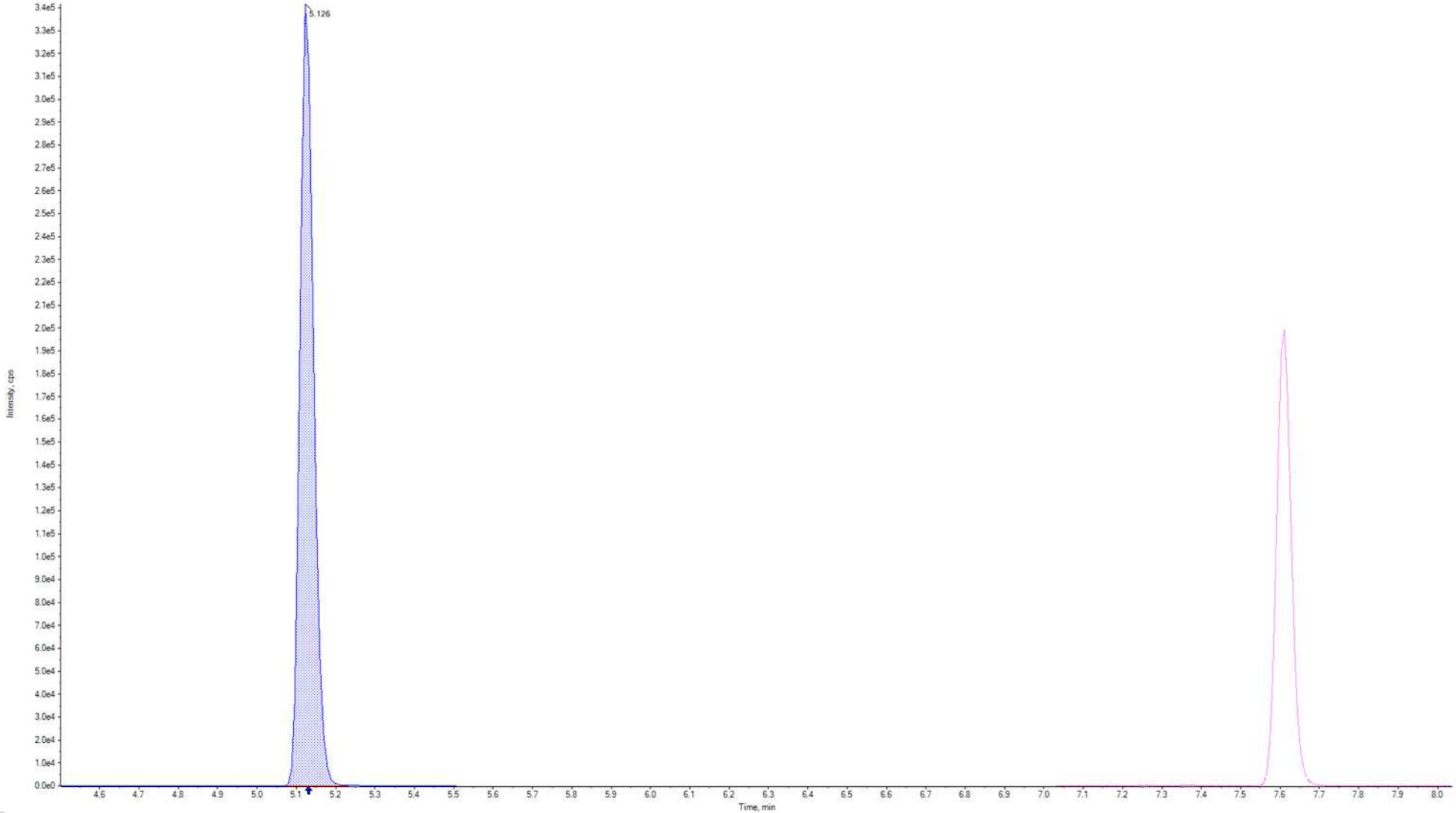
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

TDCA_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



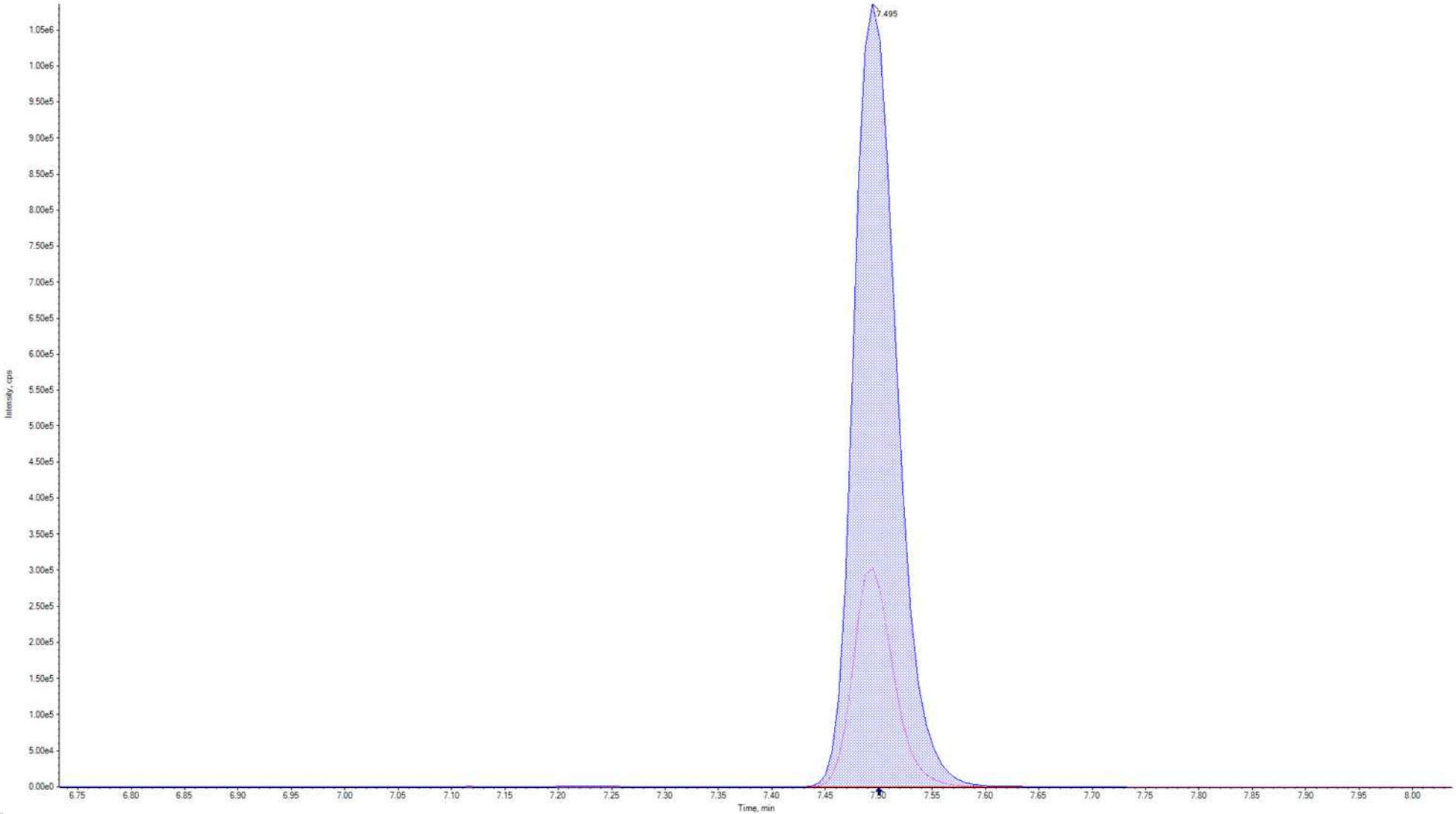
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C2D4-4:2FTS
Sample: IA1633STD-62.5 S/N:7630.4 Points Across peak:22

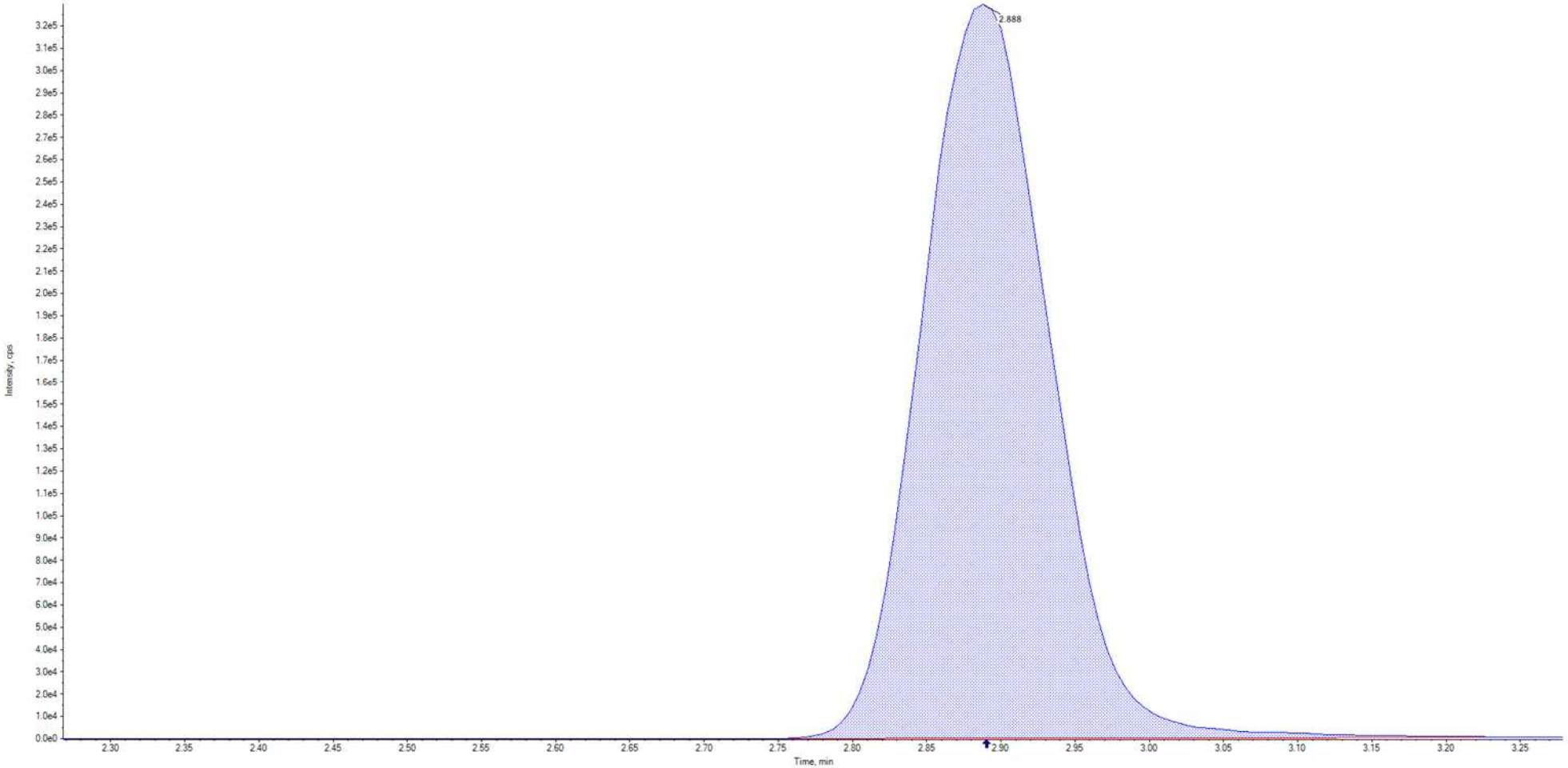


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

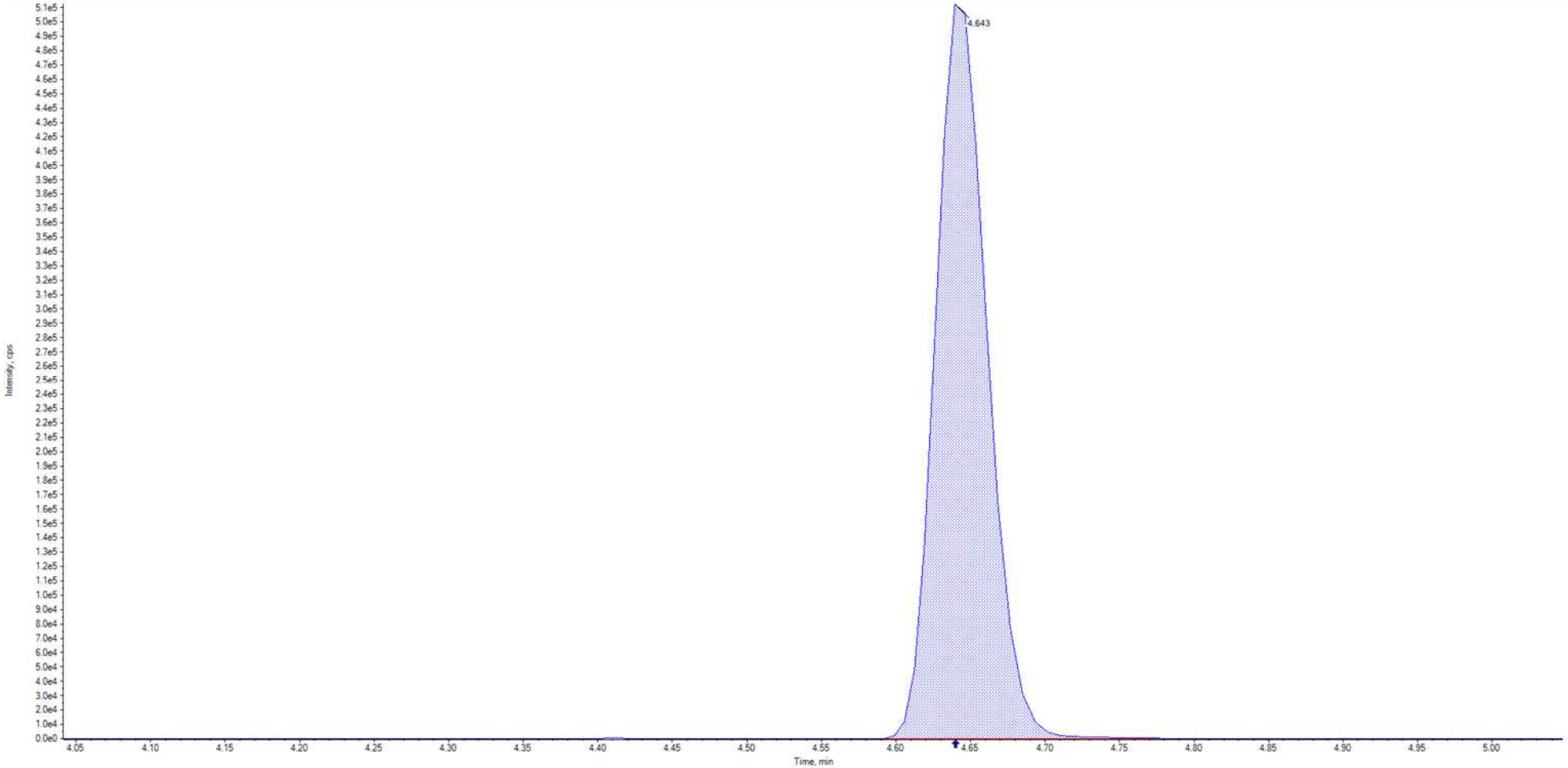
13C2-PFOA
Sample: IA1633STD-62.5 S/N:5354.5 Points Across peak:34



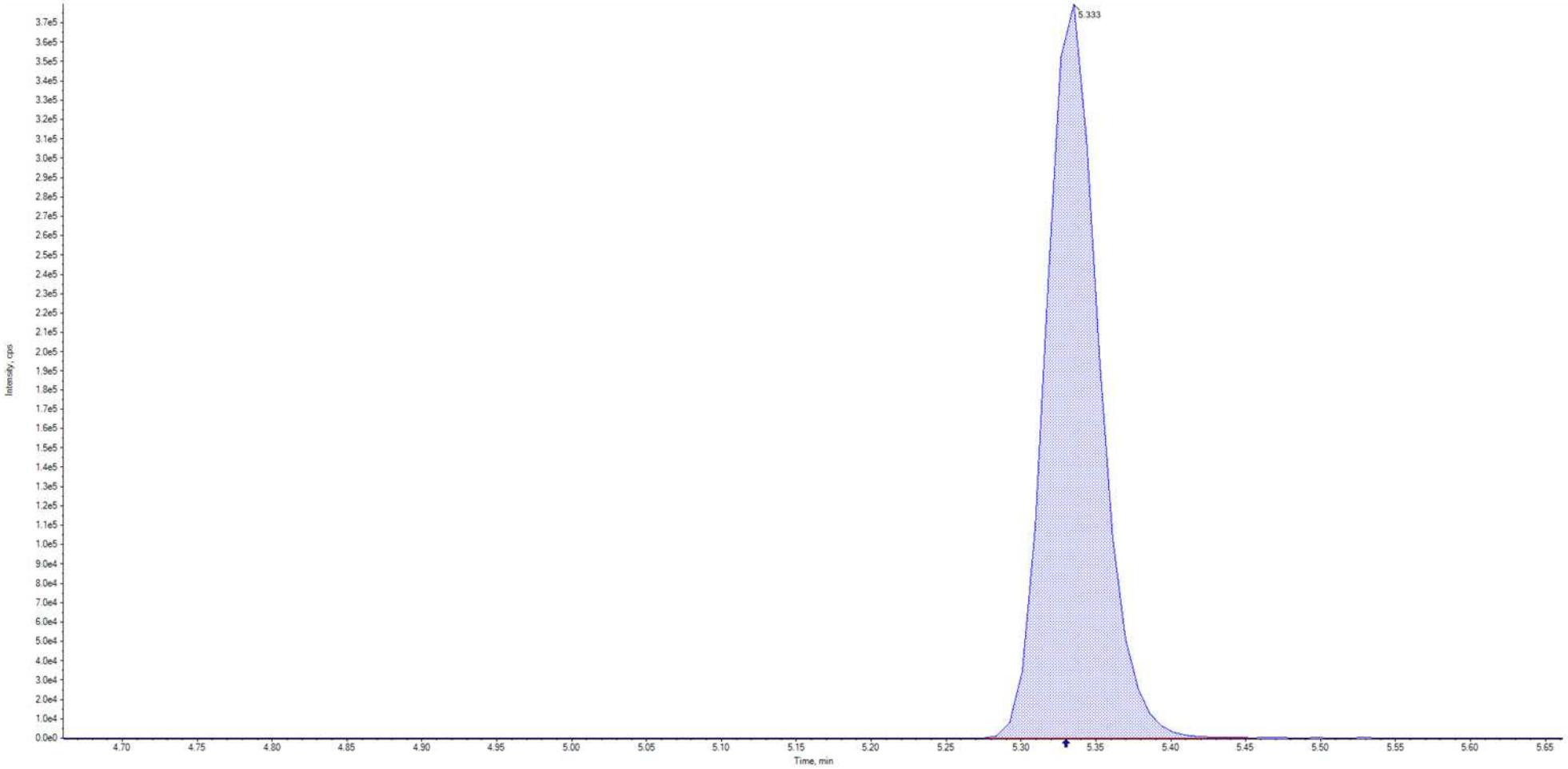
13C4-PFBA
Sample: IA1633STD-62.5



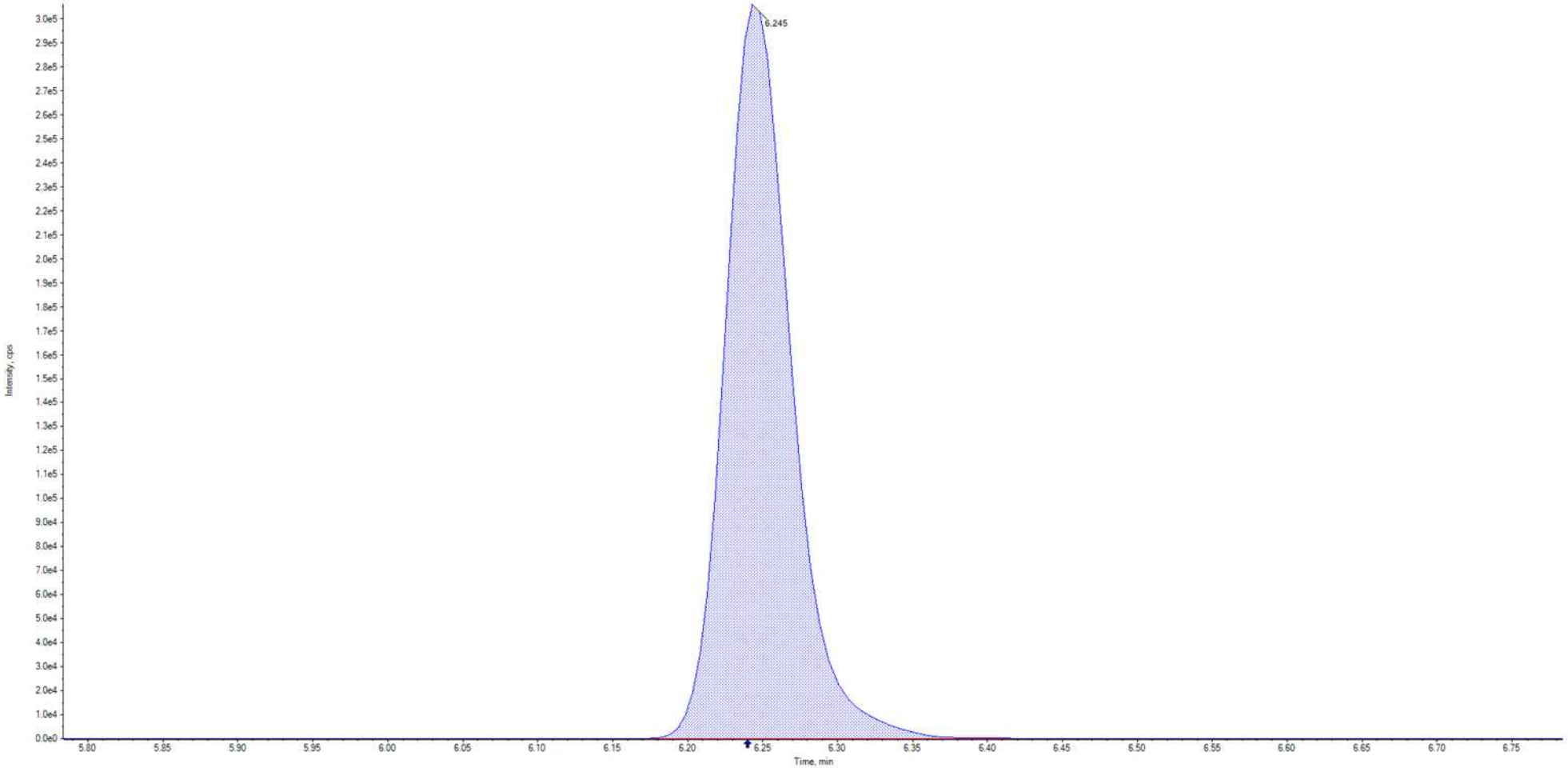
13C5-PFPeA
Sample: IA1633STD-62.5



13C5-PFHxA
Sample: IA1633STD-62.5

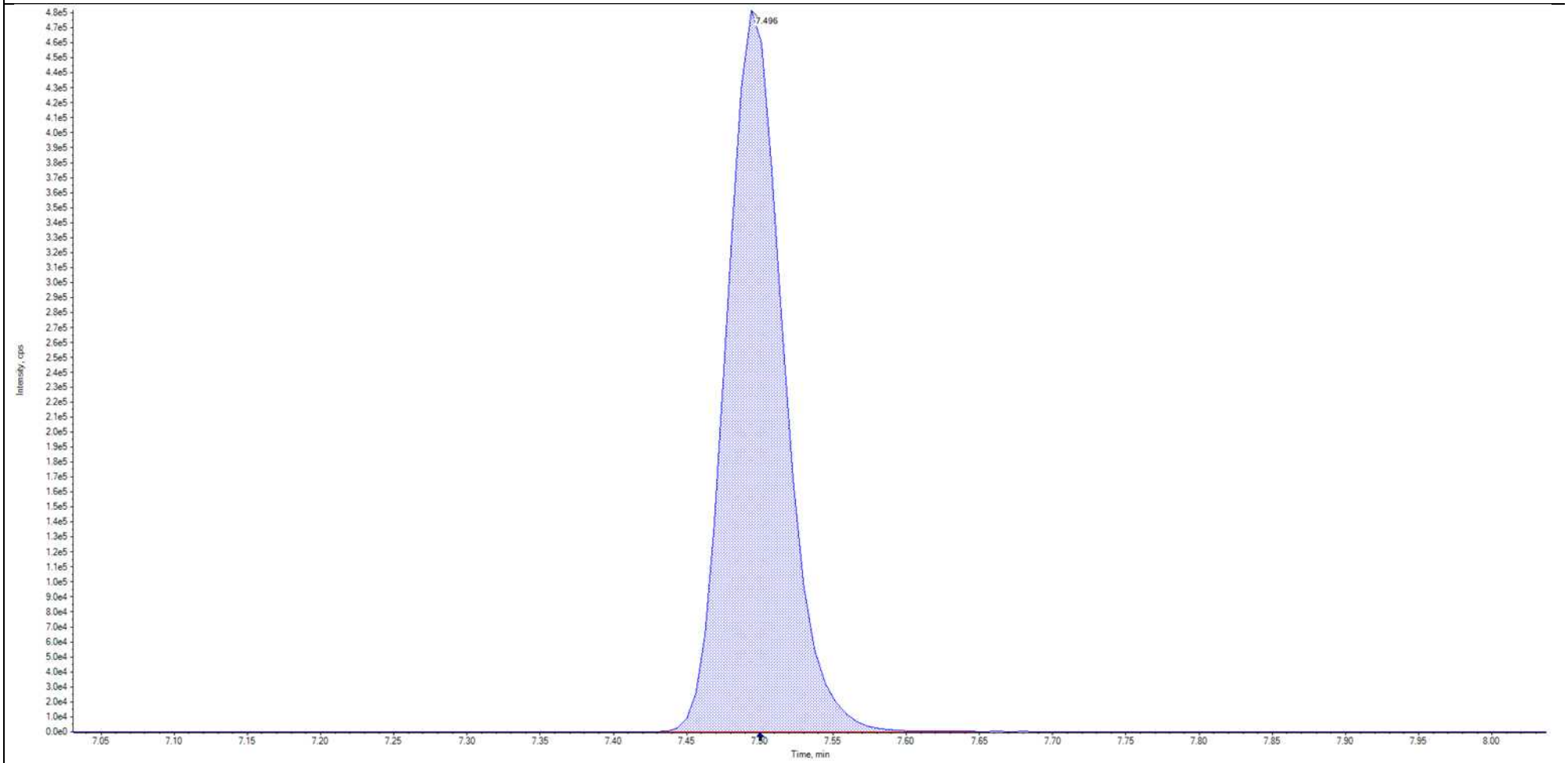


13C4-PFHpA
Sample: IA1633STD-62.5

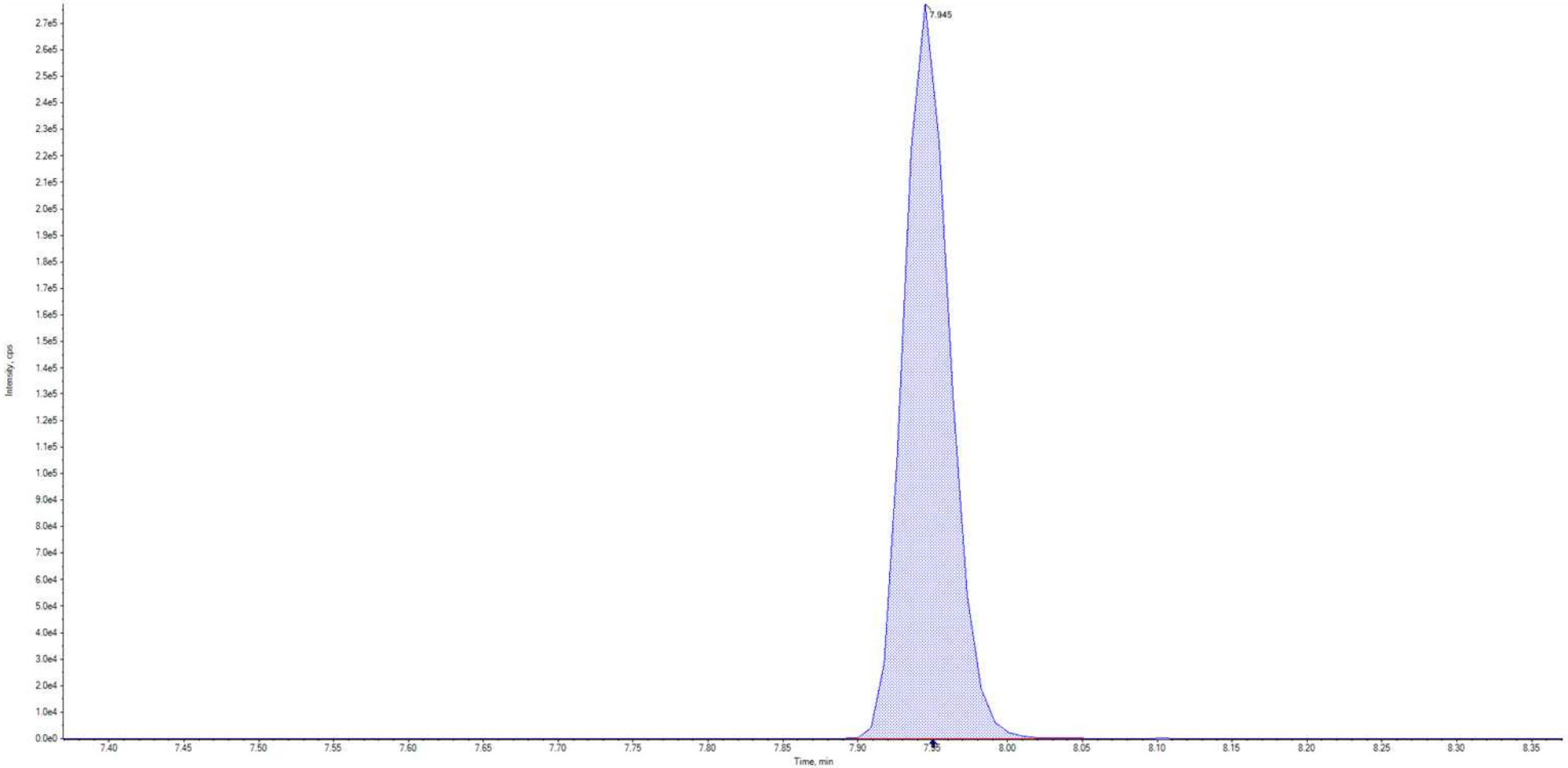


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

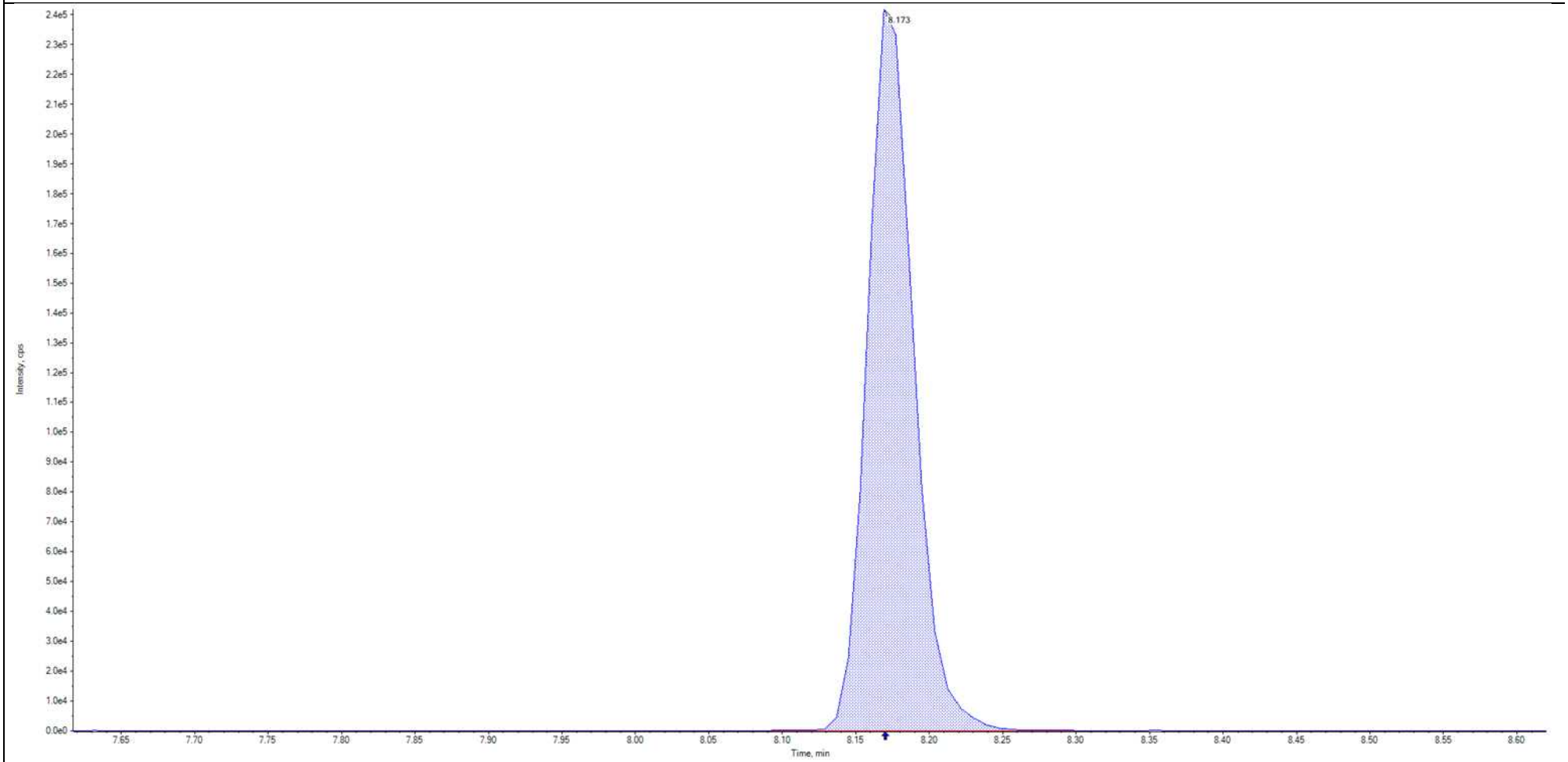
13C8-PFOA
Sample: IA1633STD-62.5



13C9-PFNA
Sample: IA1633STD-62.5



13C6-PFDA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
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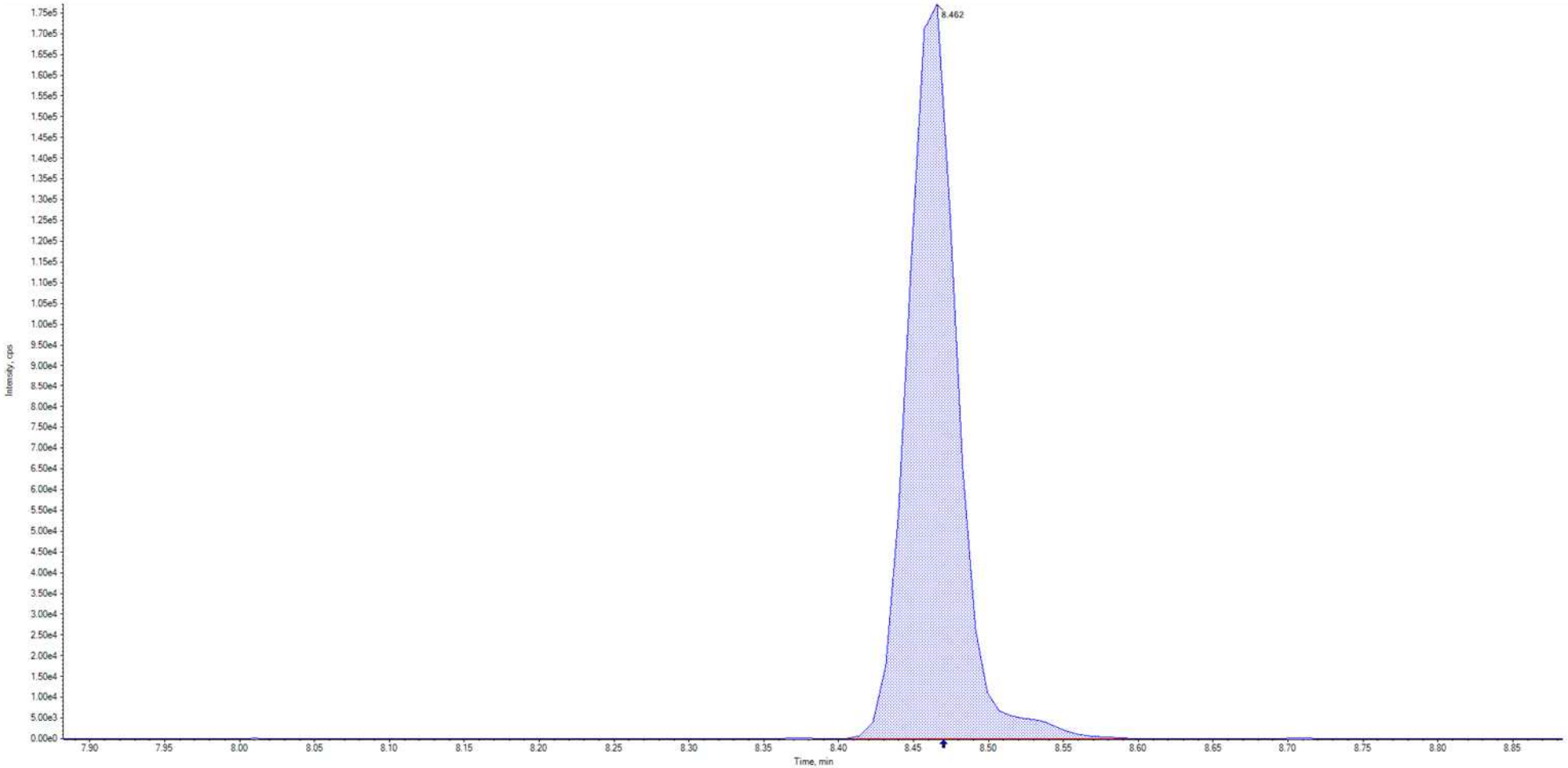
Generated: 8/14/2024 6:27:11 AM

13C7-PFUnA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
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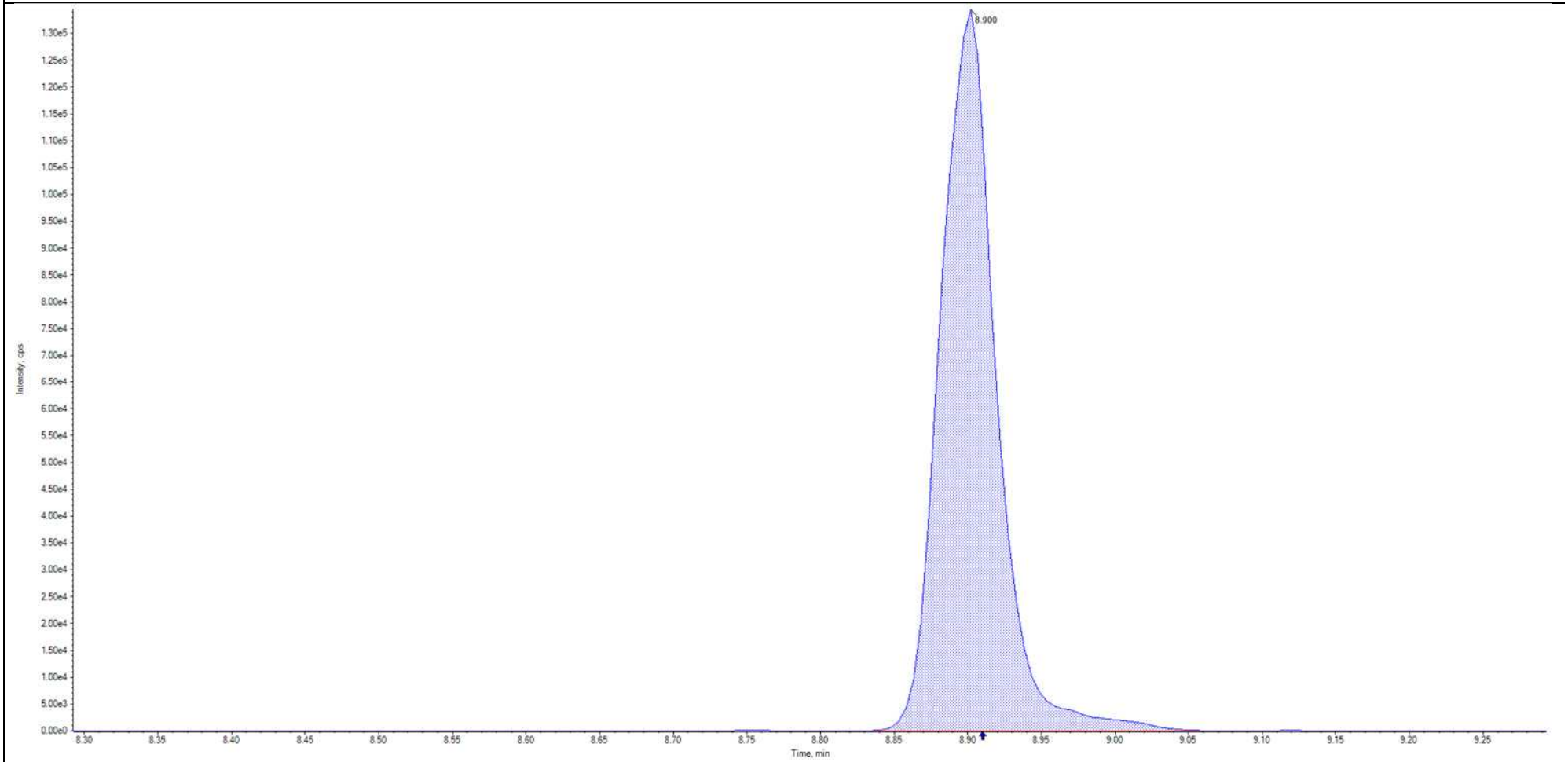
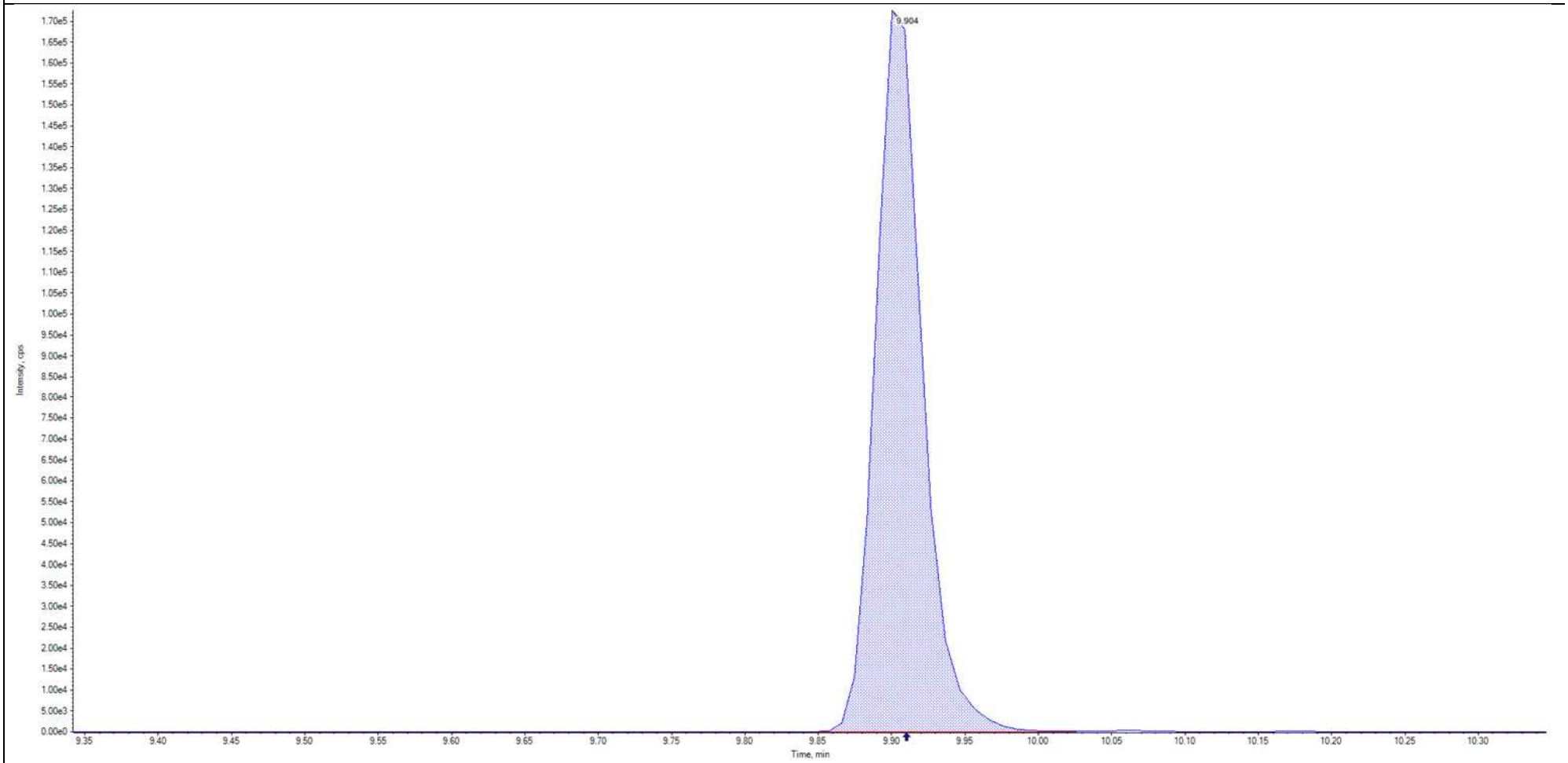
13C2-PFDoA
Sample: IA1633STD-62.5



13C2-PFTeDA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
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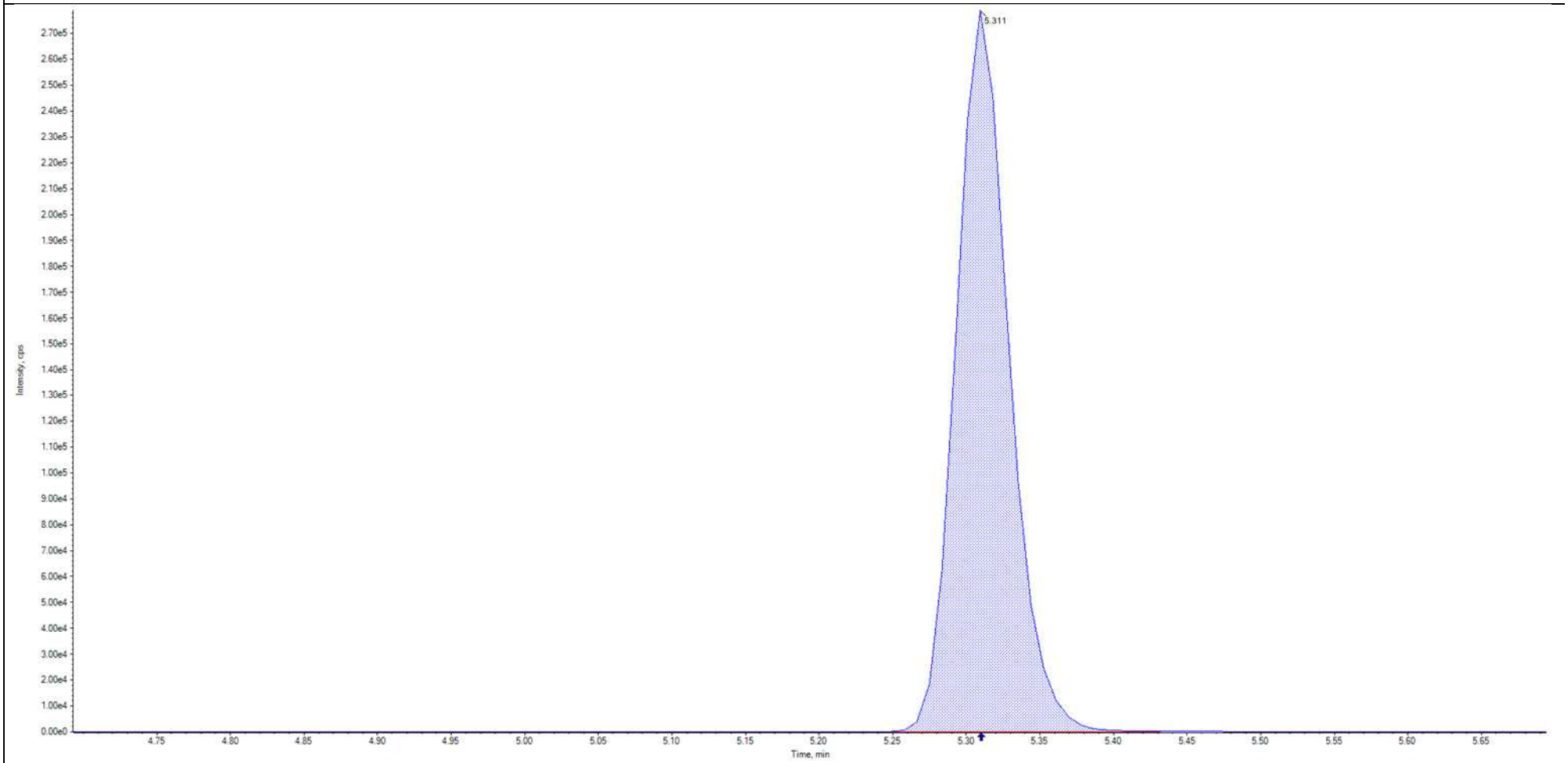
13C3-PFBS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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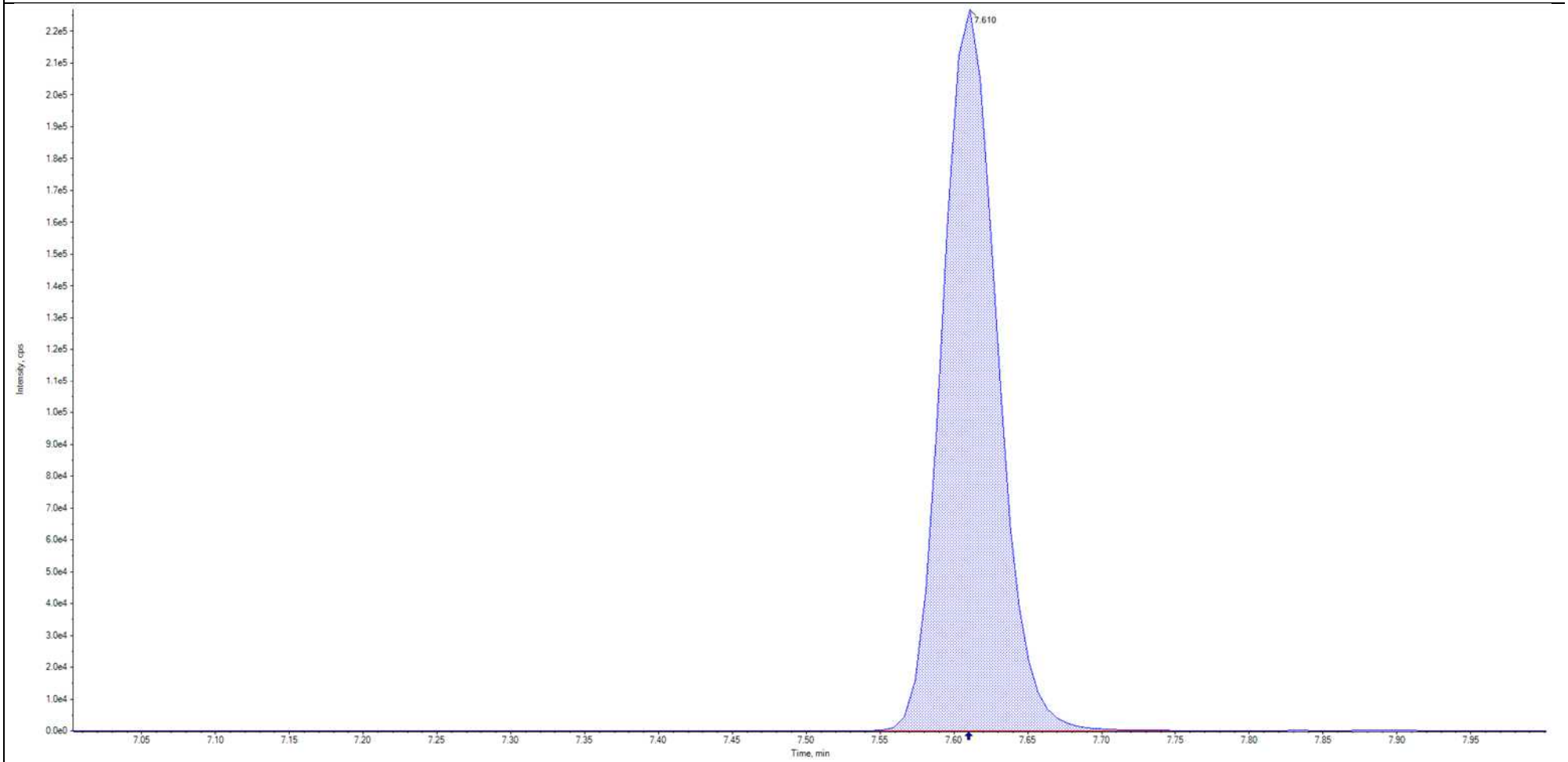
Generated: 8/14/2024 6:27:11 AM

13C3-PFHxS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
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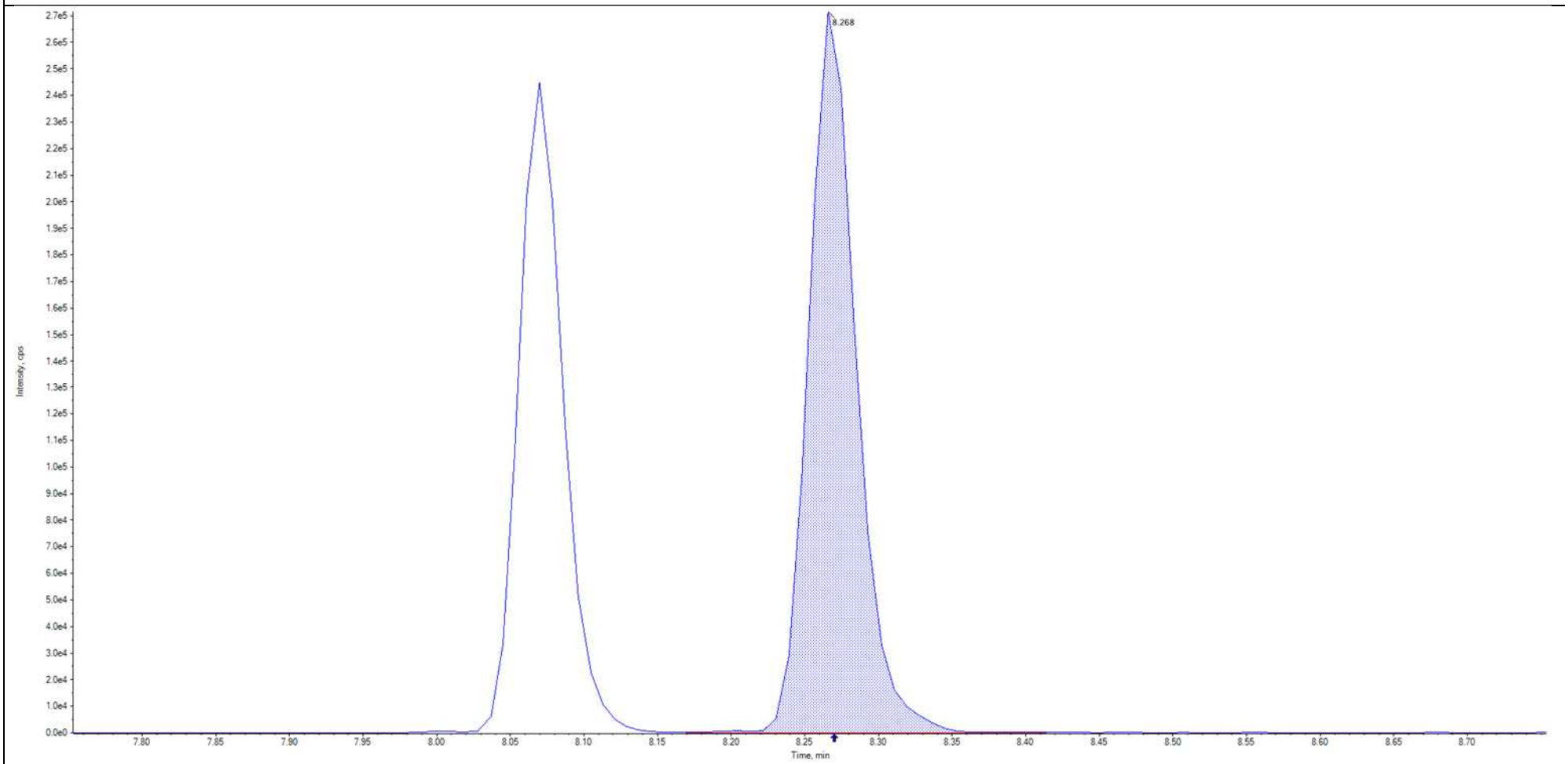
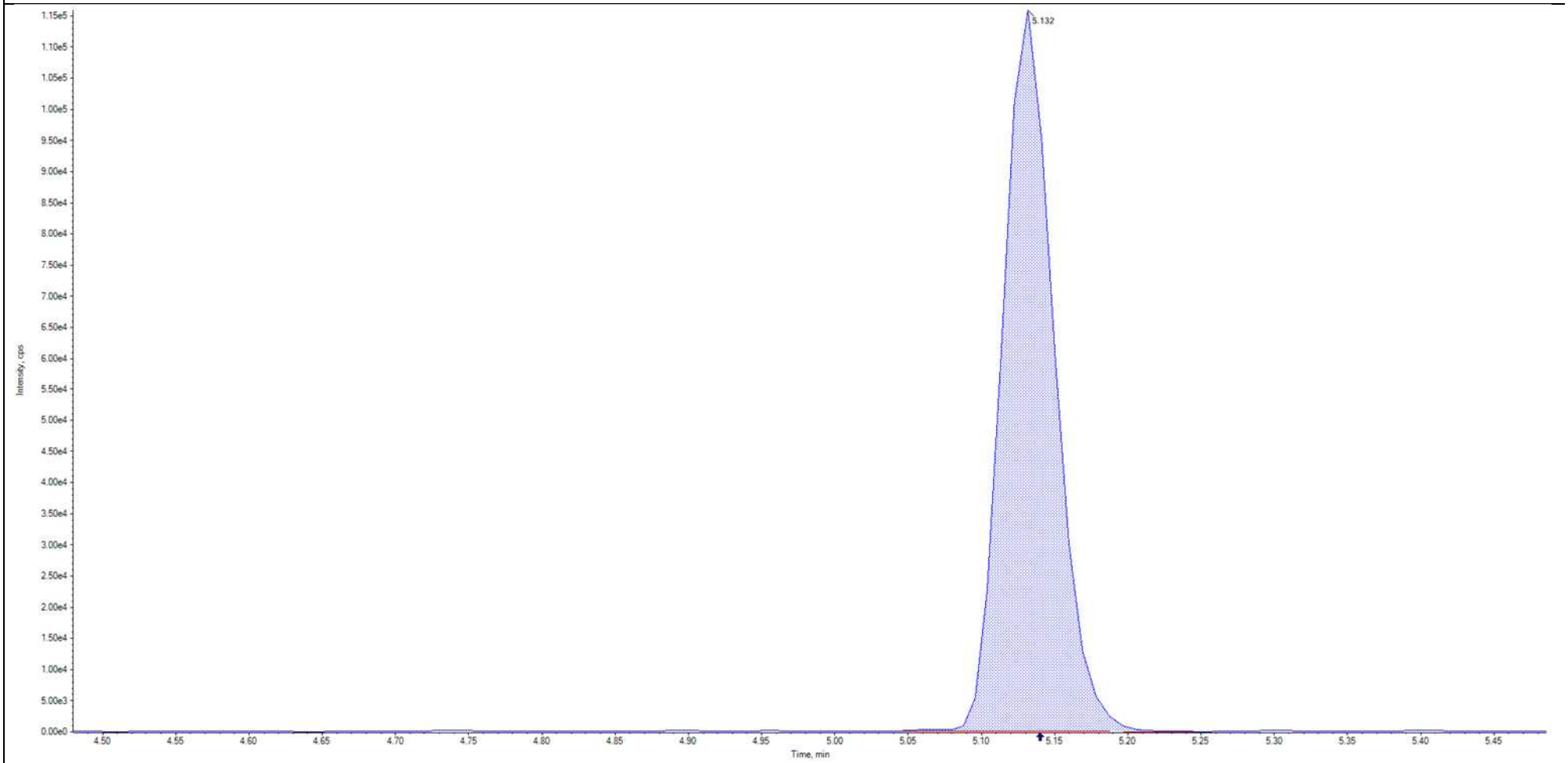
Generated: 8/14/2024 6:27:11 AM

13C8-PFOS
Sample: IA1633STD-62.5

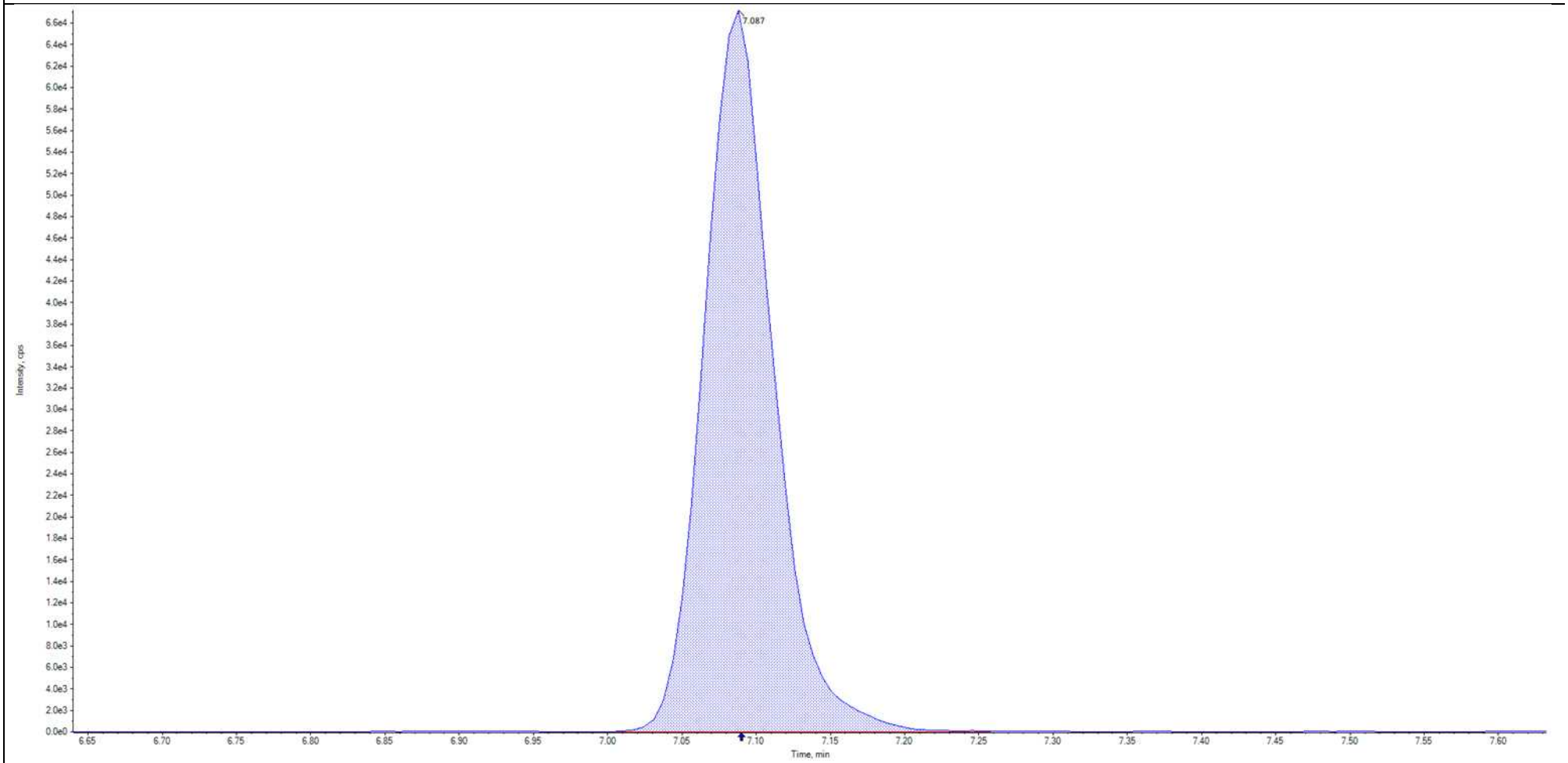


13C2-4:2FTS
Sample: IA1633STD-62.5

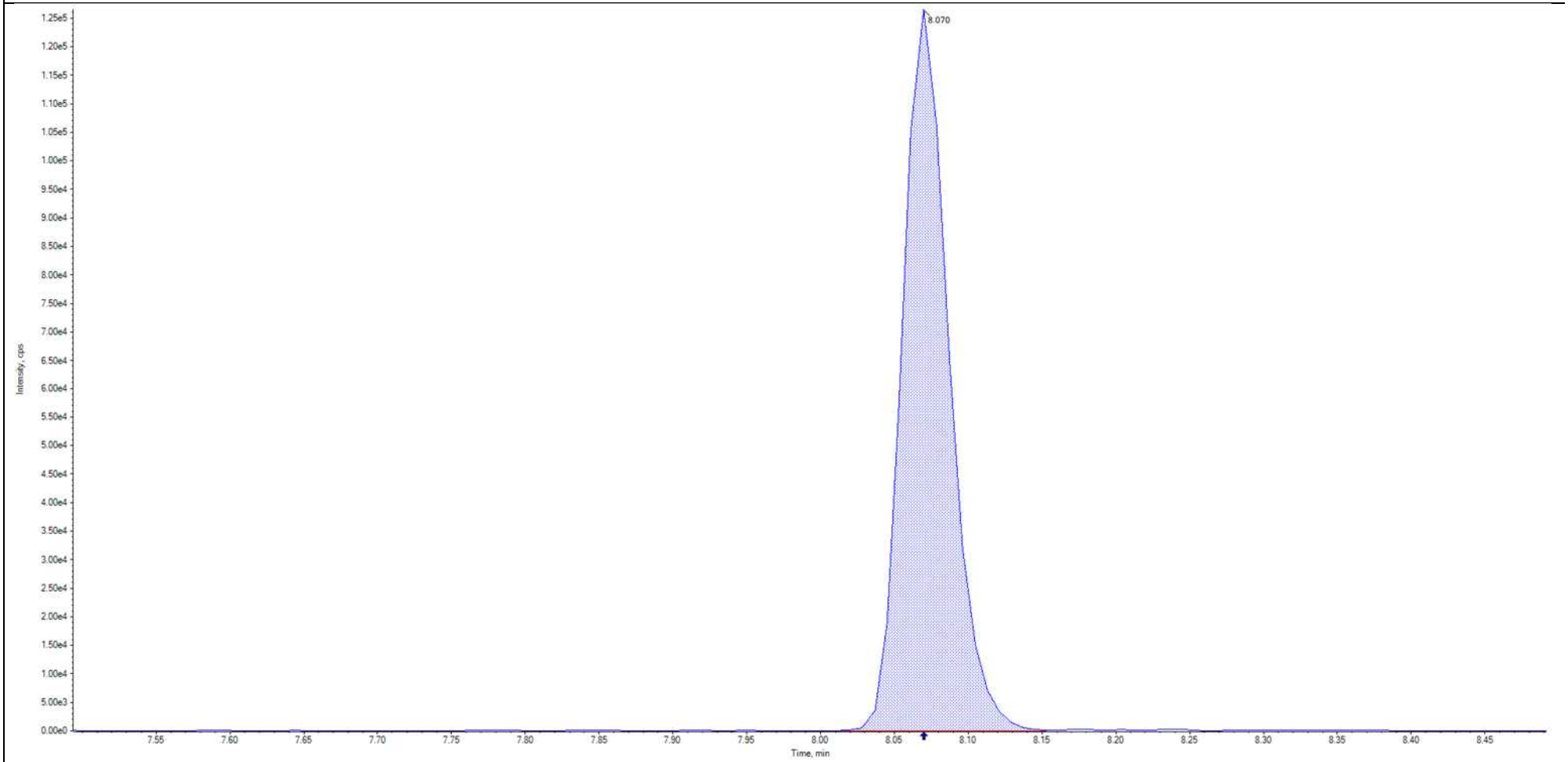


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

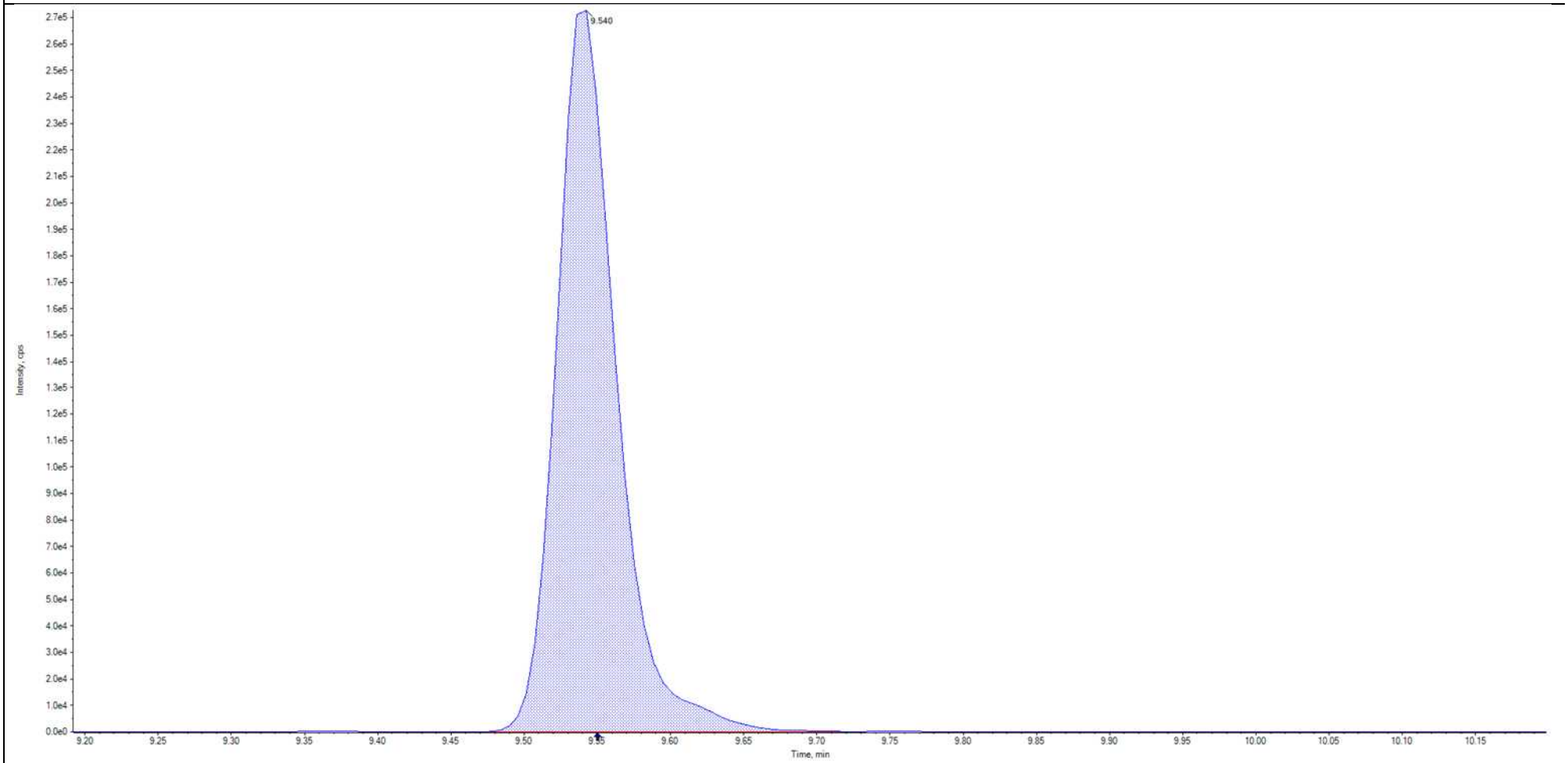
13C2-6:2FTS
Sample: IA1633STD-62.5



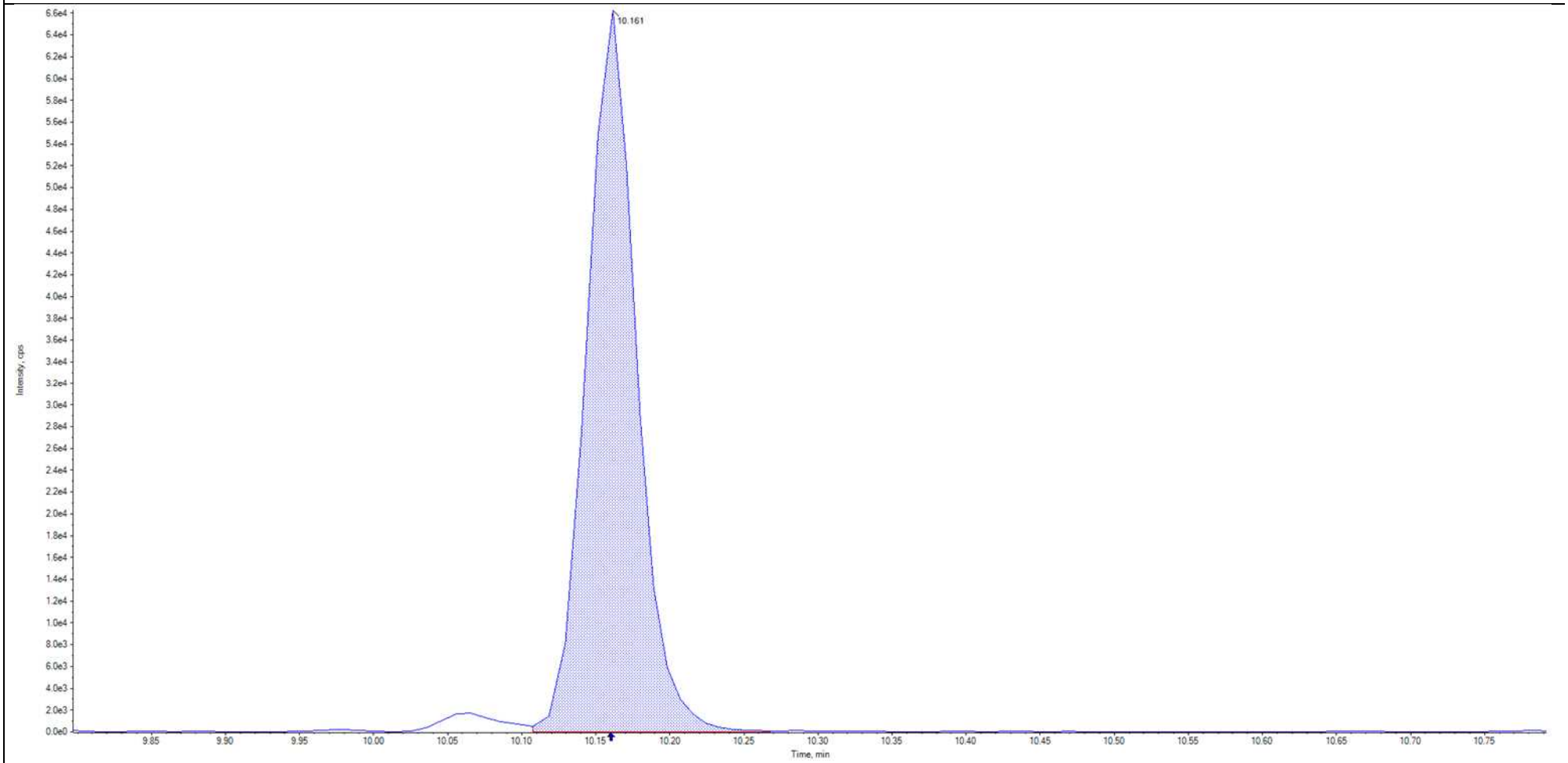
13C2-8:2FTS
Sample: IA1633STD-62.5



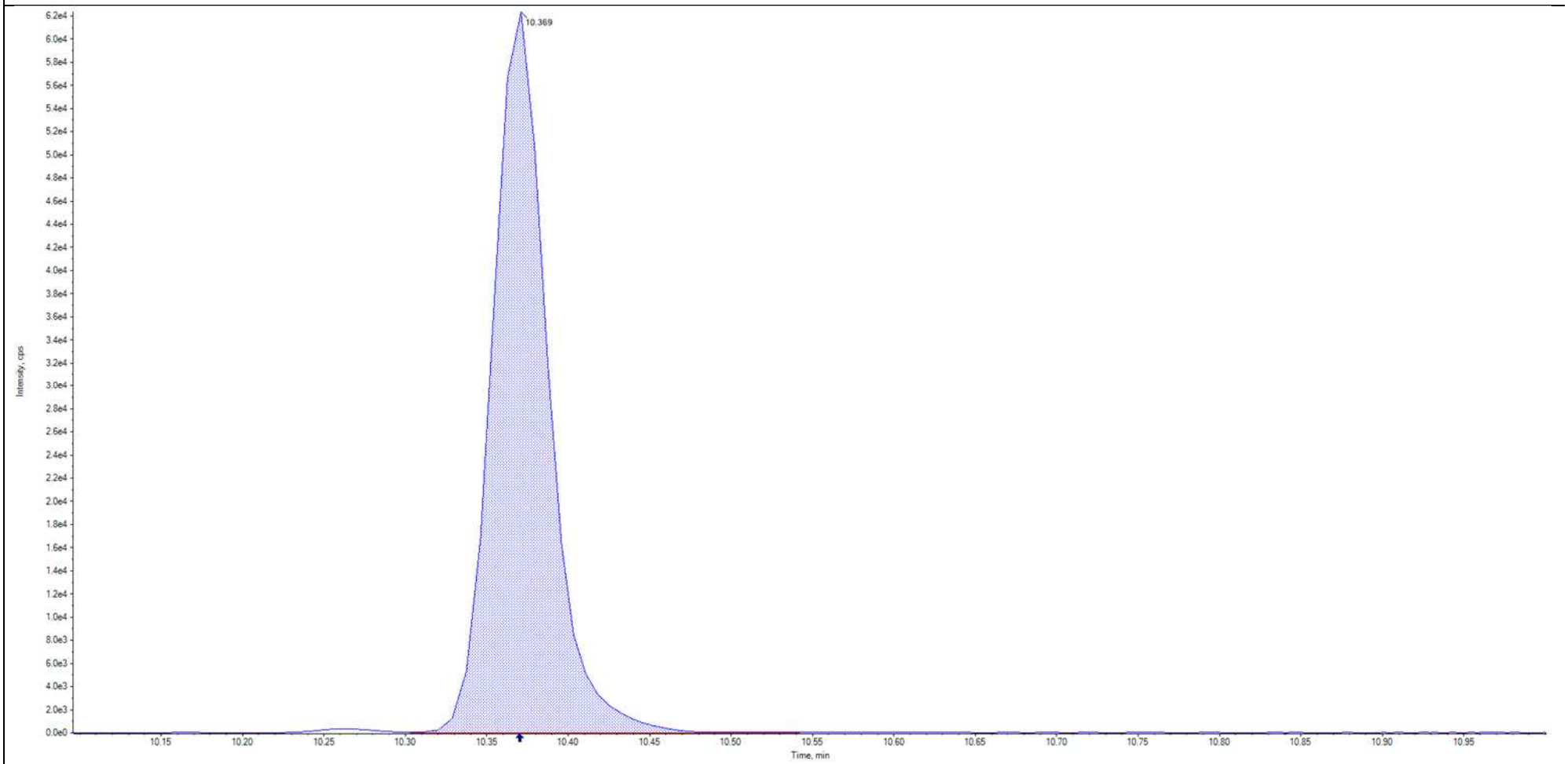
13C8-PFOSA
Sample: IA1633STD-62.5



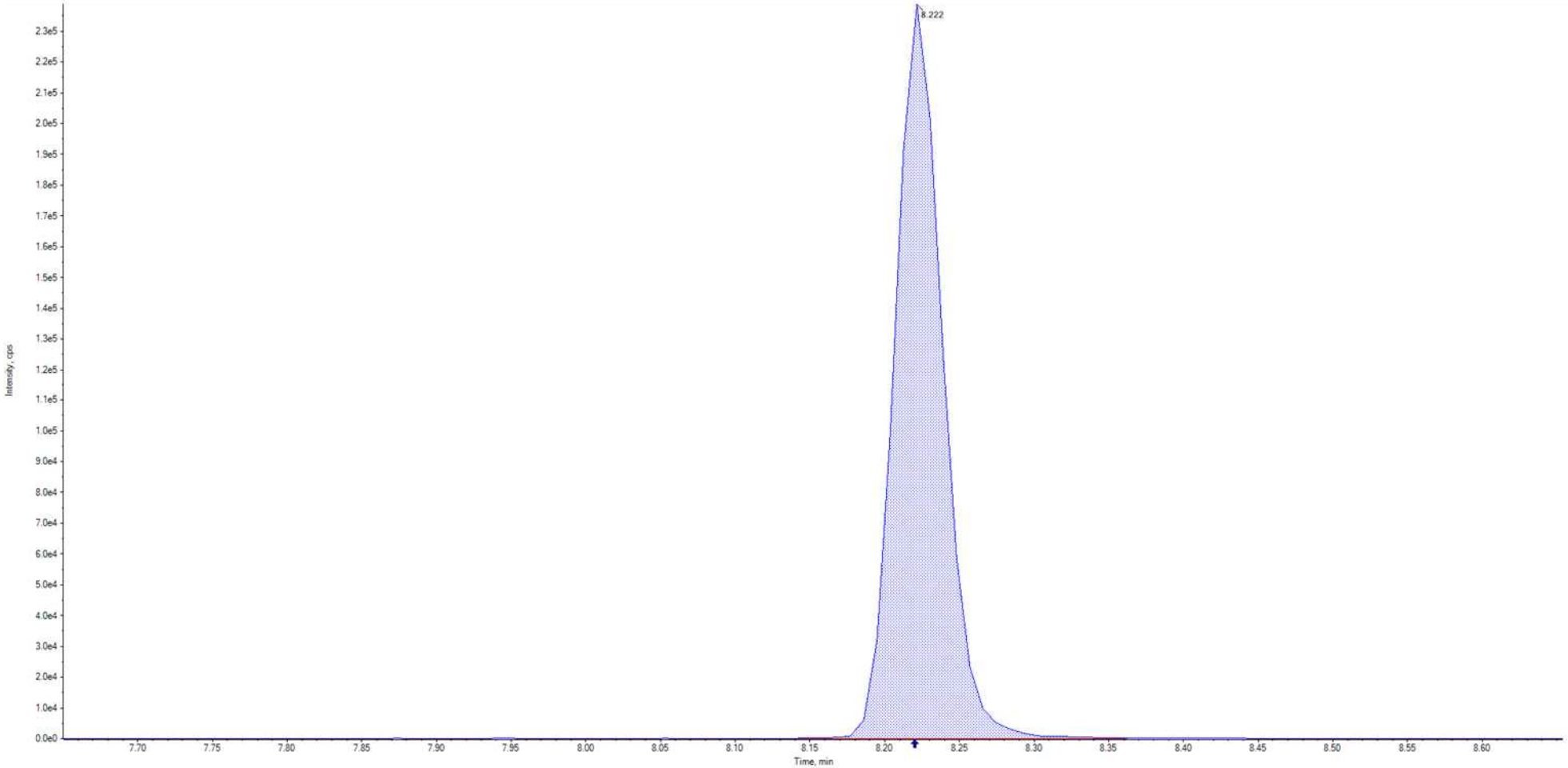
d3-NMeFOSA
Sample: IA1633STD-62.5



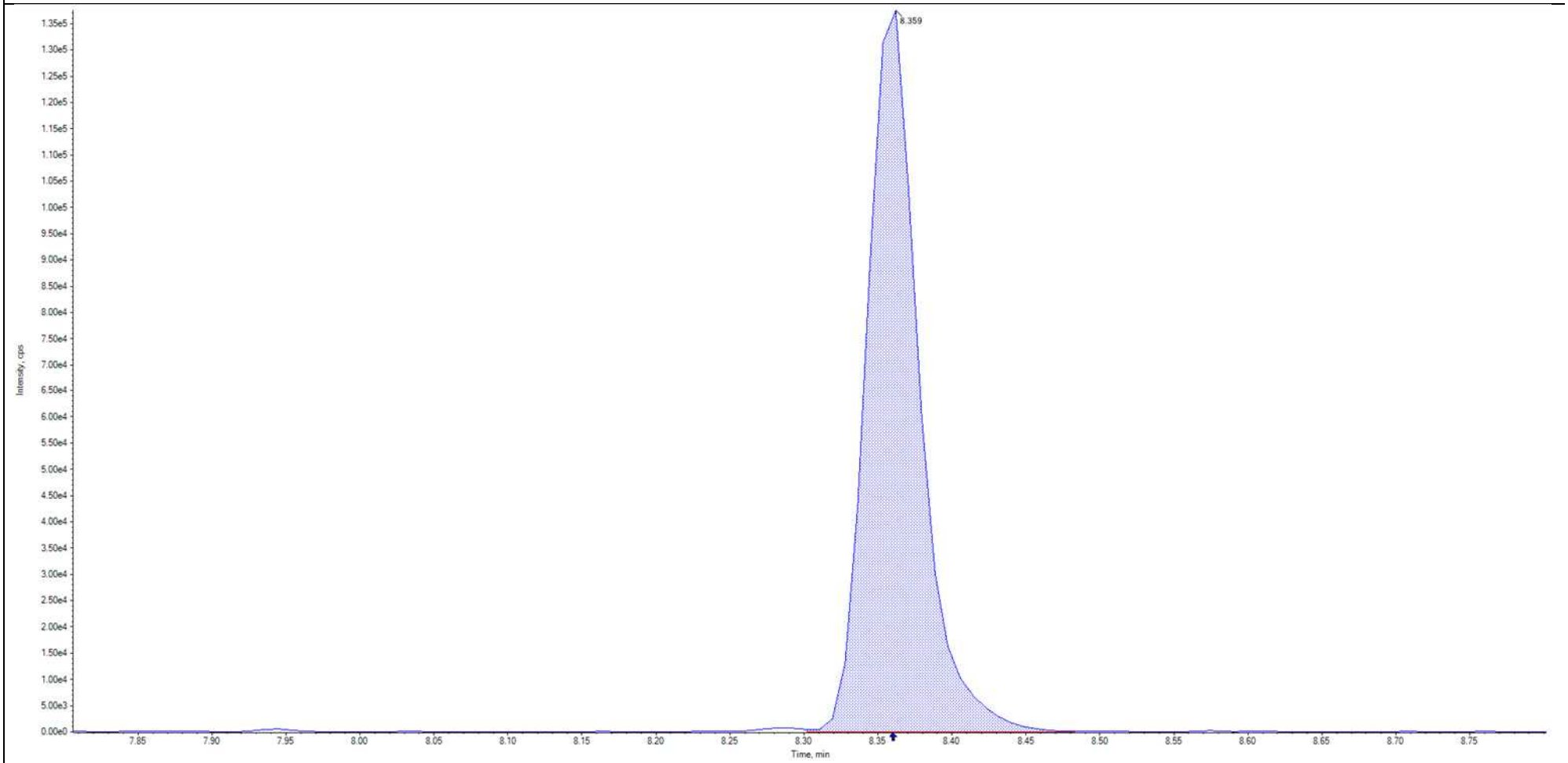
d5-NEtFOSA
Sample: IA1633STD-62.5



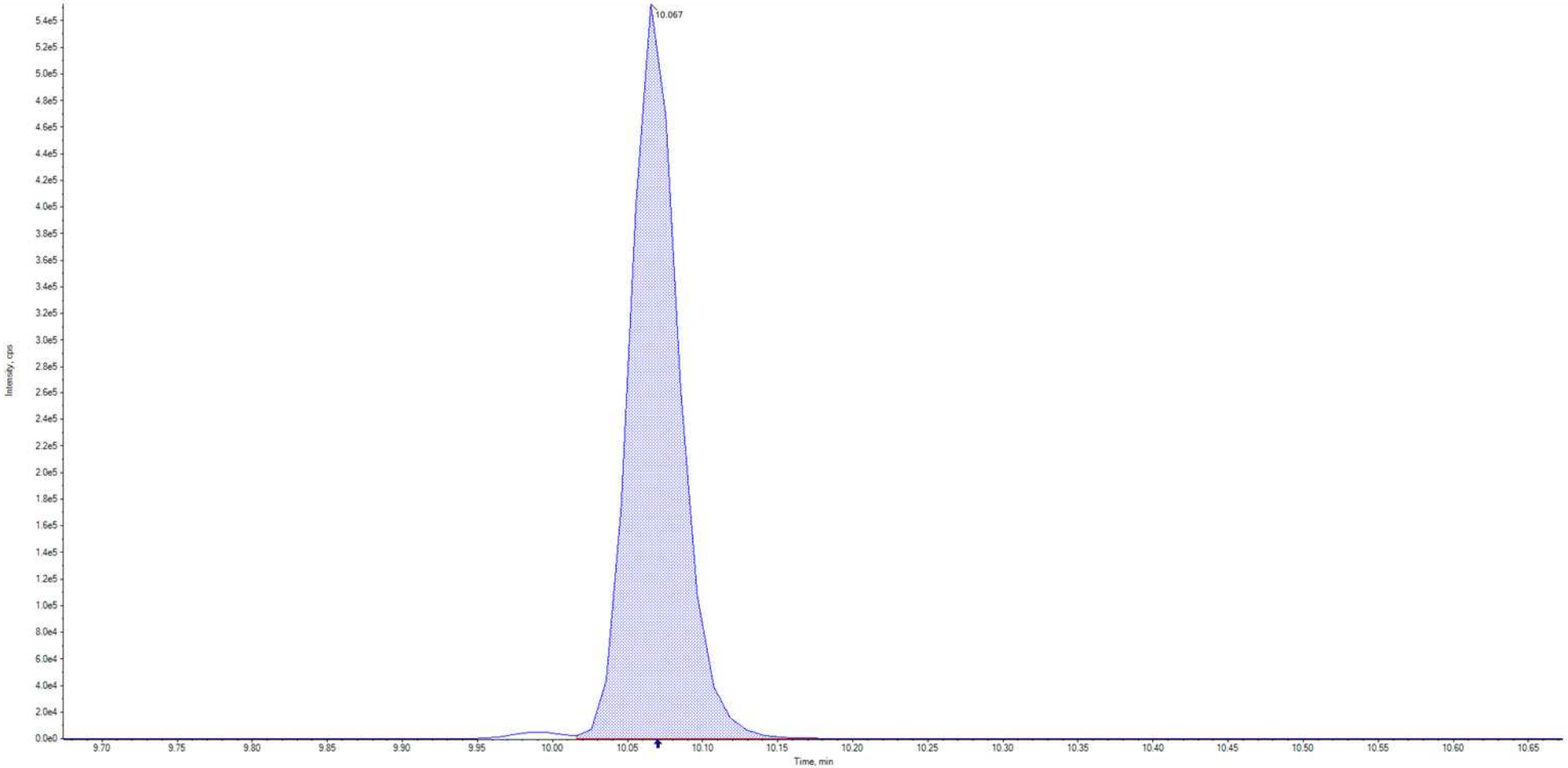
d3-NMeFOSAA
Sample: IA1633STD-62.5



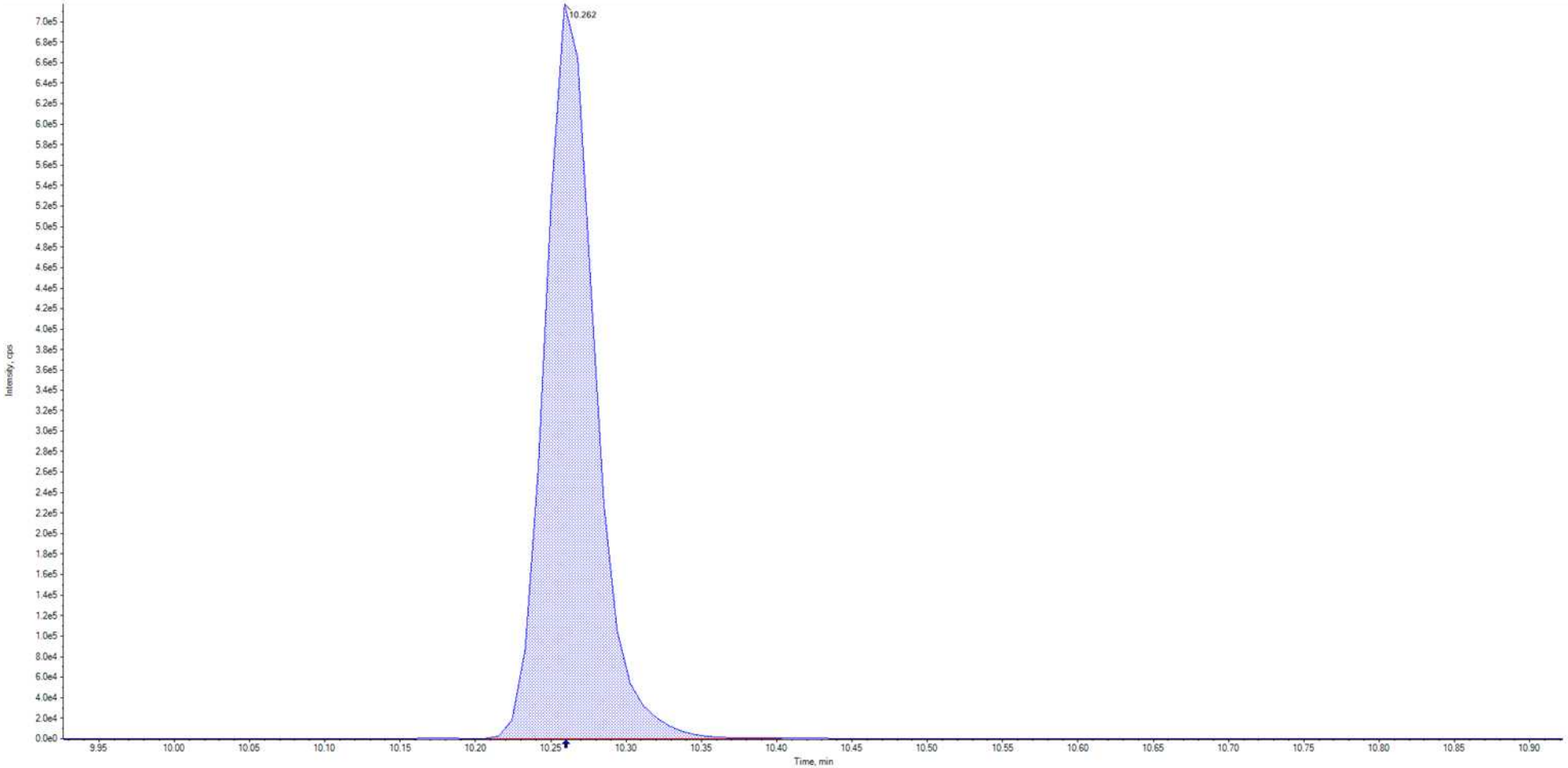
d5-NEtFOSAA
Sample: IA1633STD-62.5



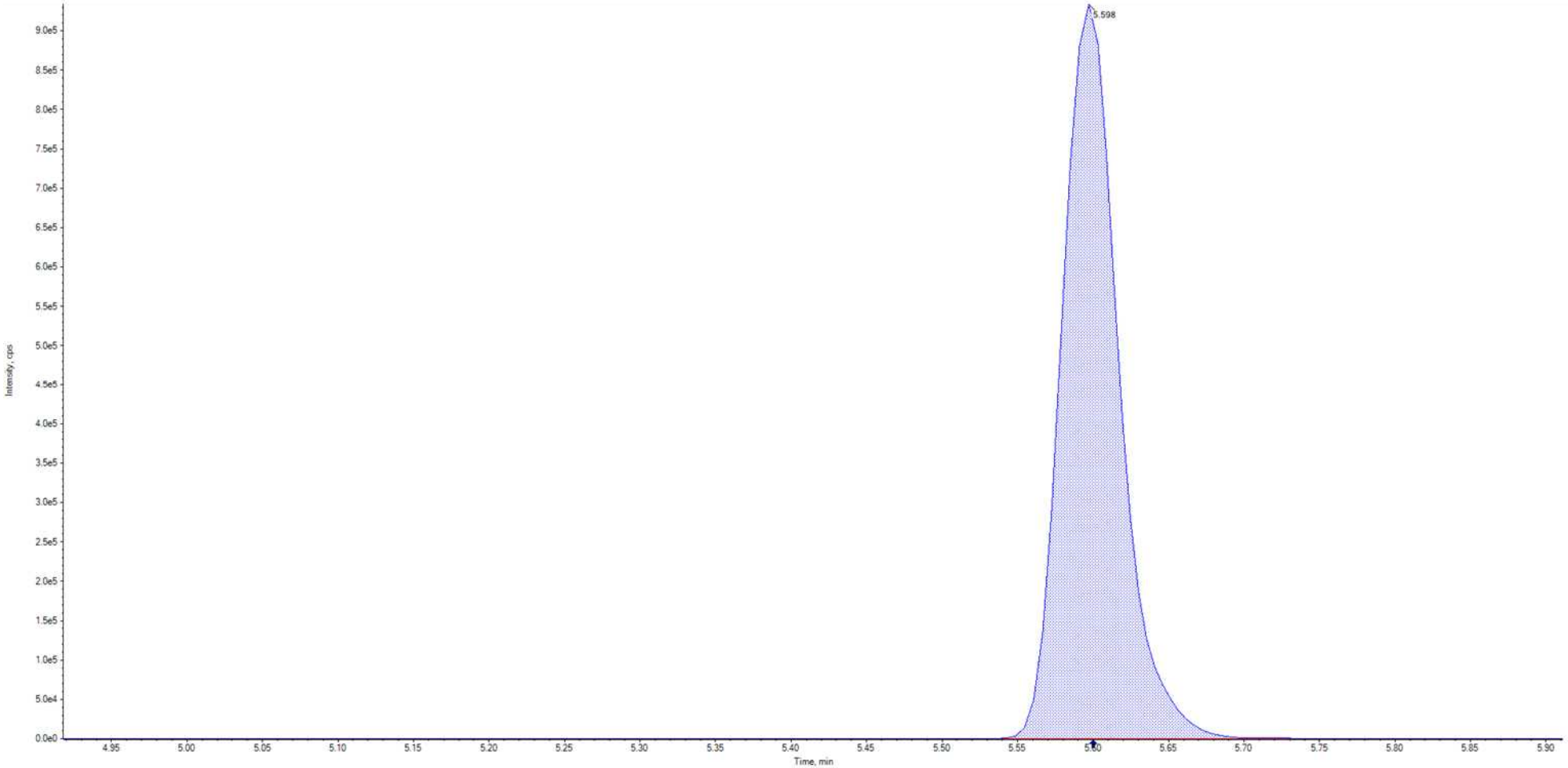
d7-NMeFOSE
Sample: IA1633STD-62.5



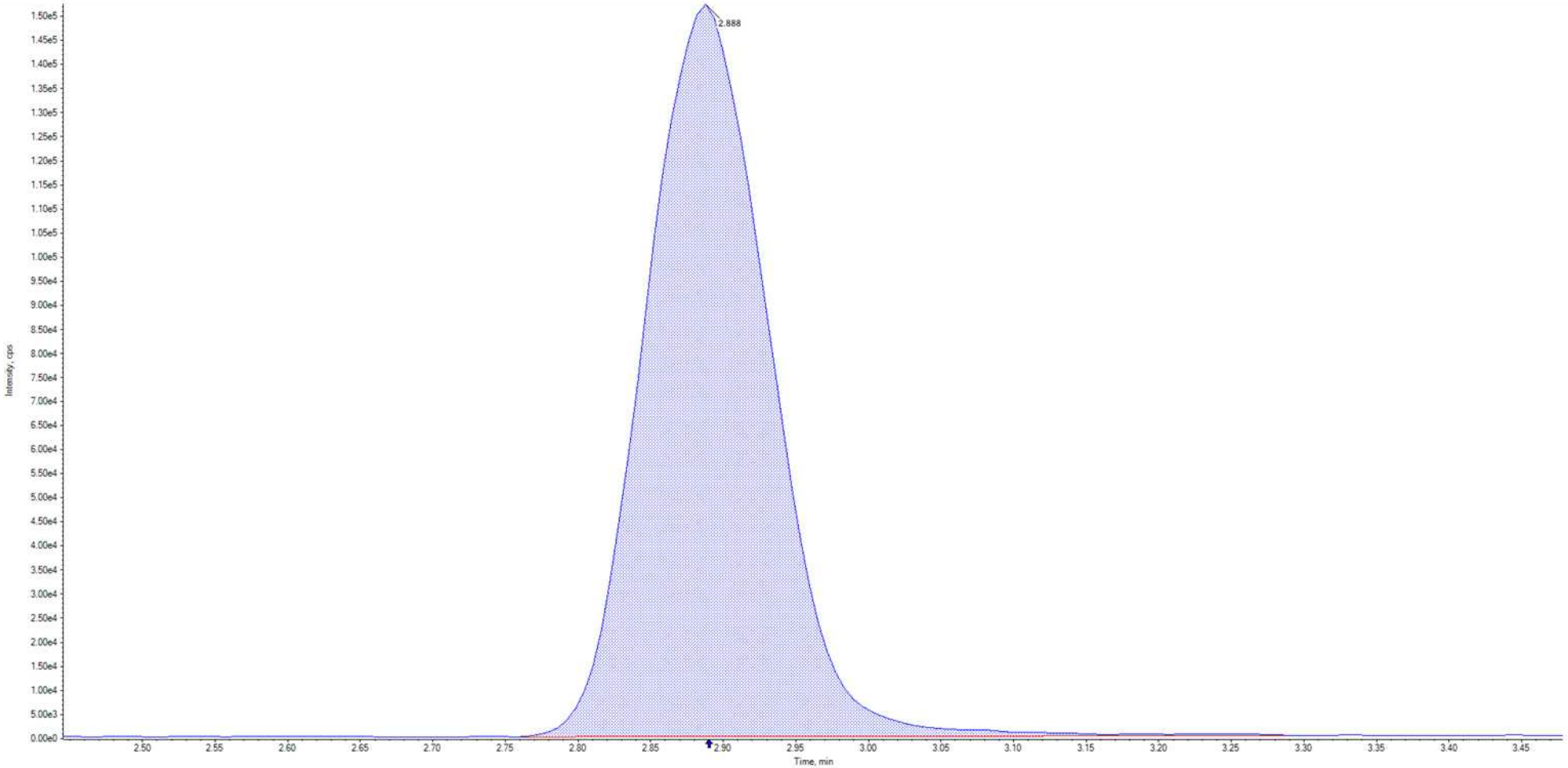
d9-NEtFOSE
Sample: IA1633STD-62.5



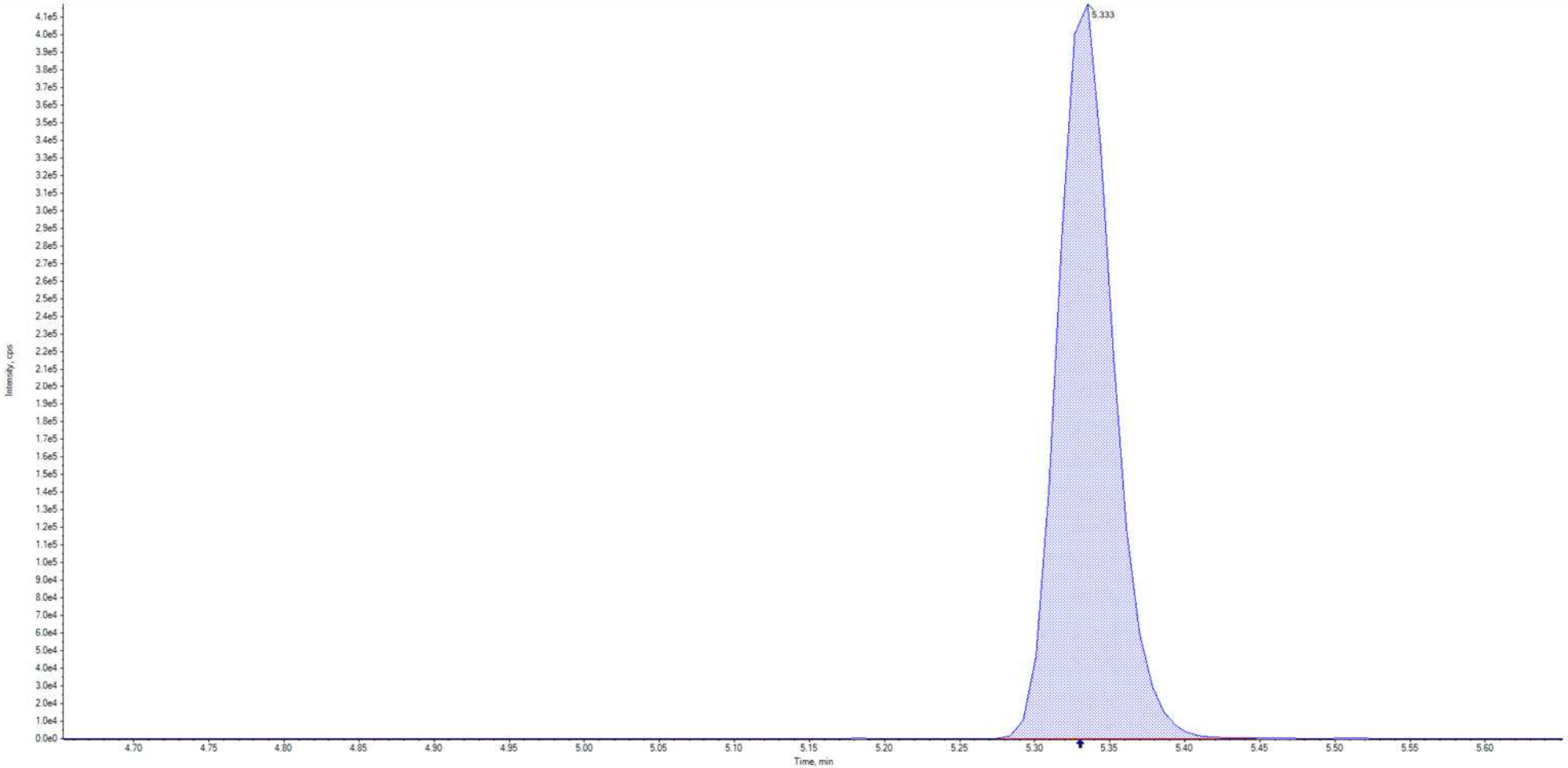
13C3-HFPO-DA
Sample: IA1633STD-62.5



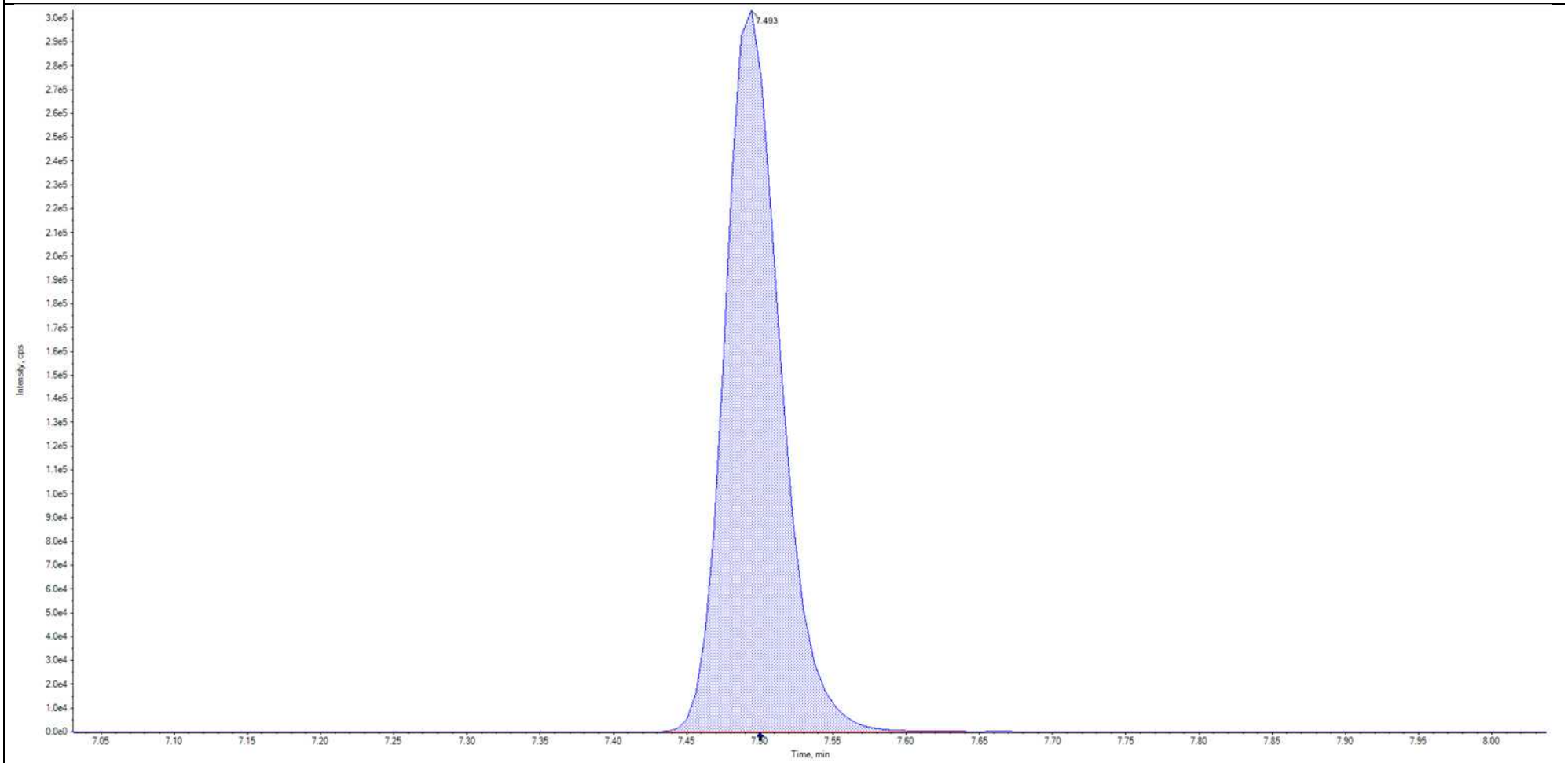
13C3-PFBA
Sample: IA1633STD-62.5



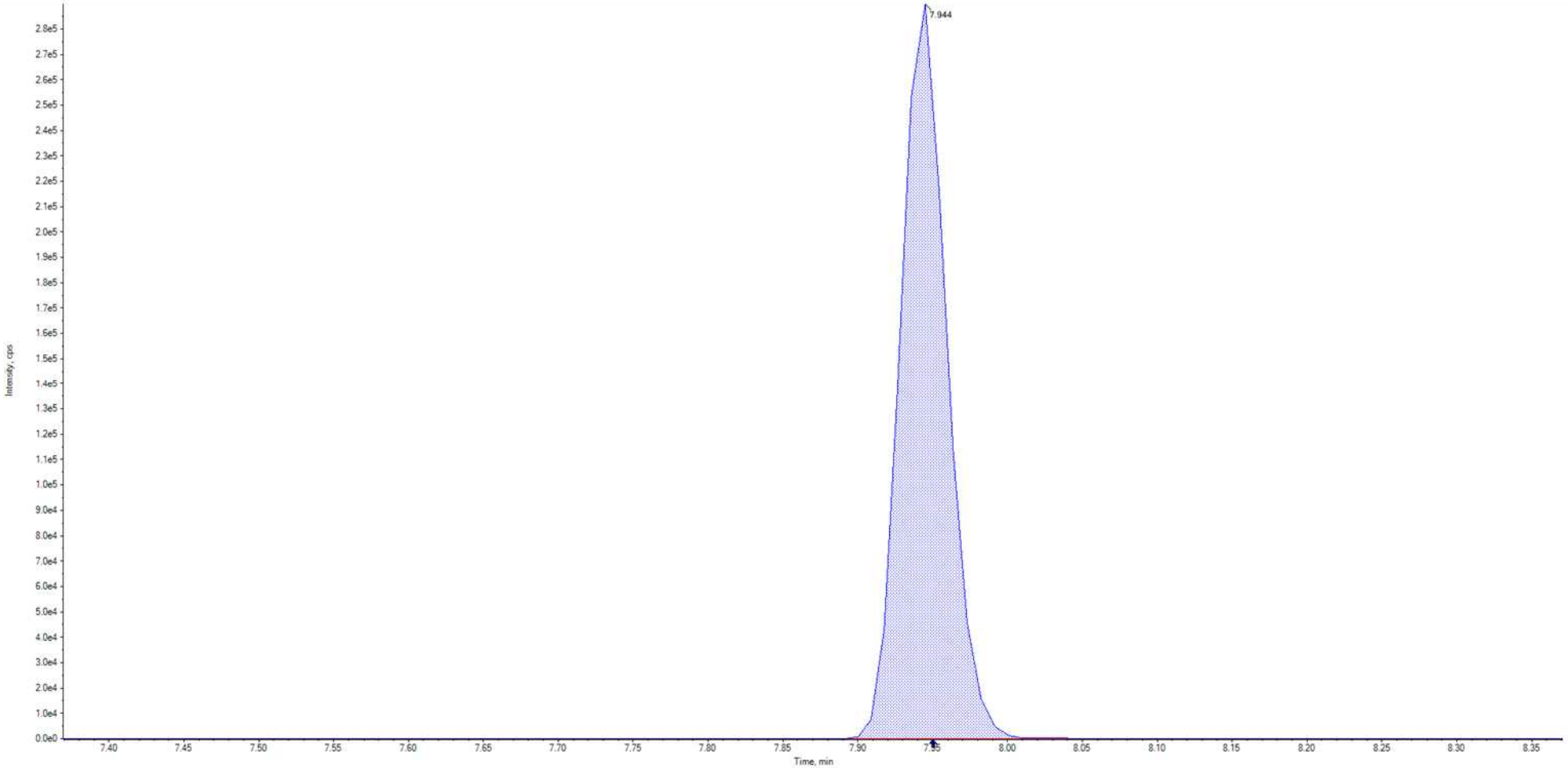
13C2-PFHxA
Sample: IA1633STD-62.5



13C4-PFOA
Sample: IA1633STD-62.5



13C5-PFNA
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
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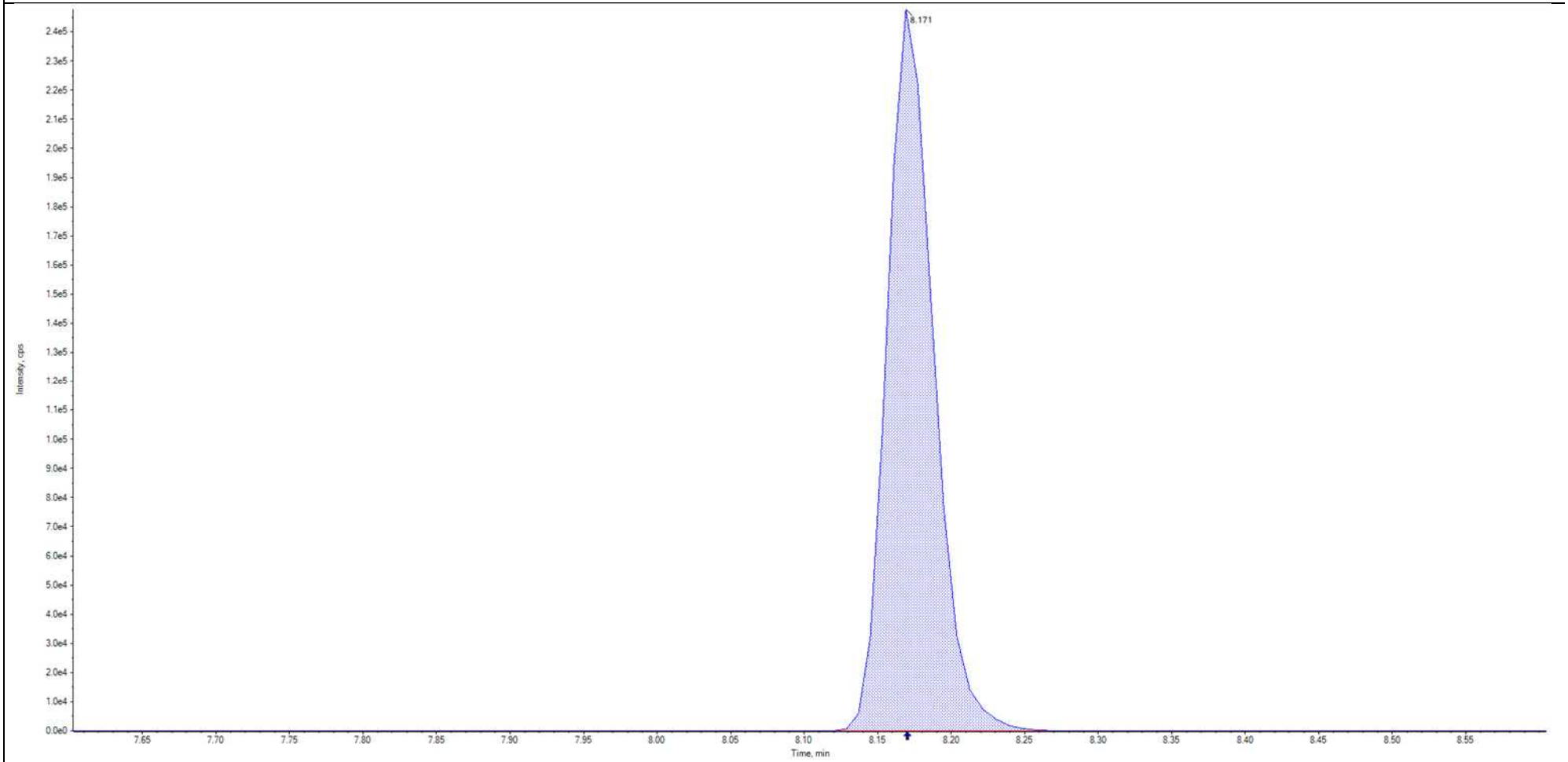
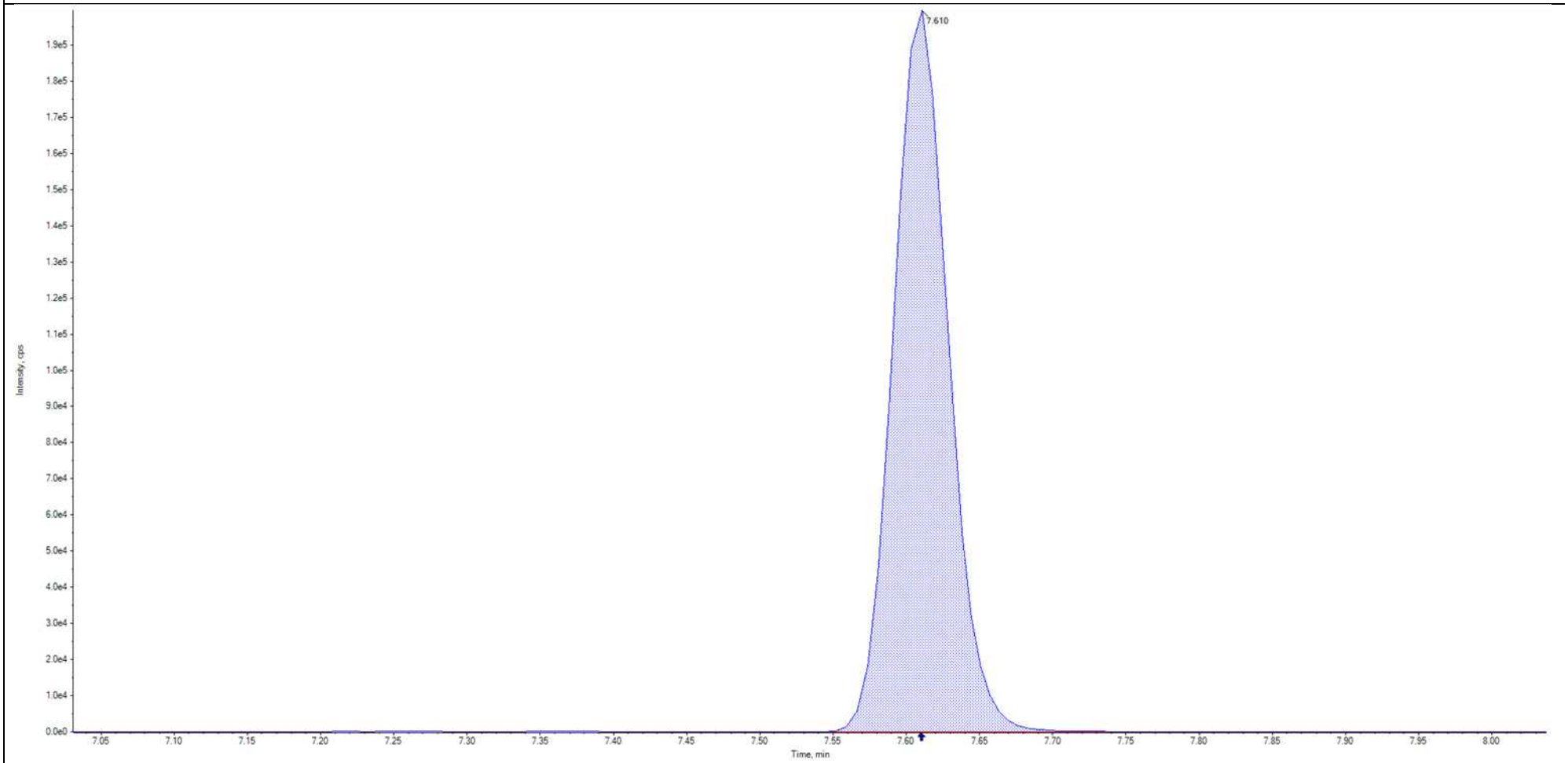
Generated: 8/14/2024 6:27:11 AM

13C2-PFDA
Sample: IA1633STD-62.5

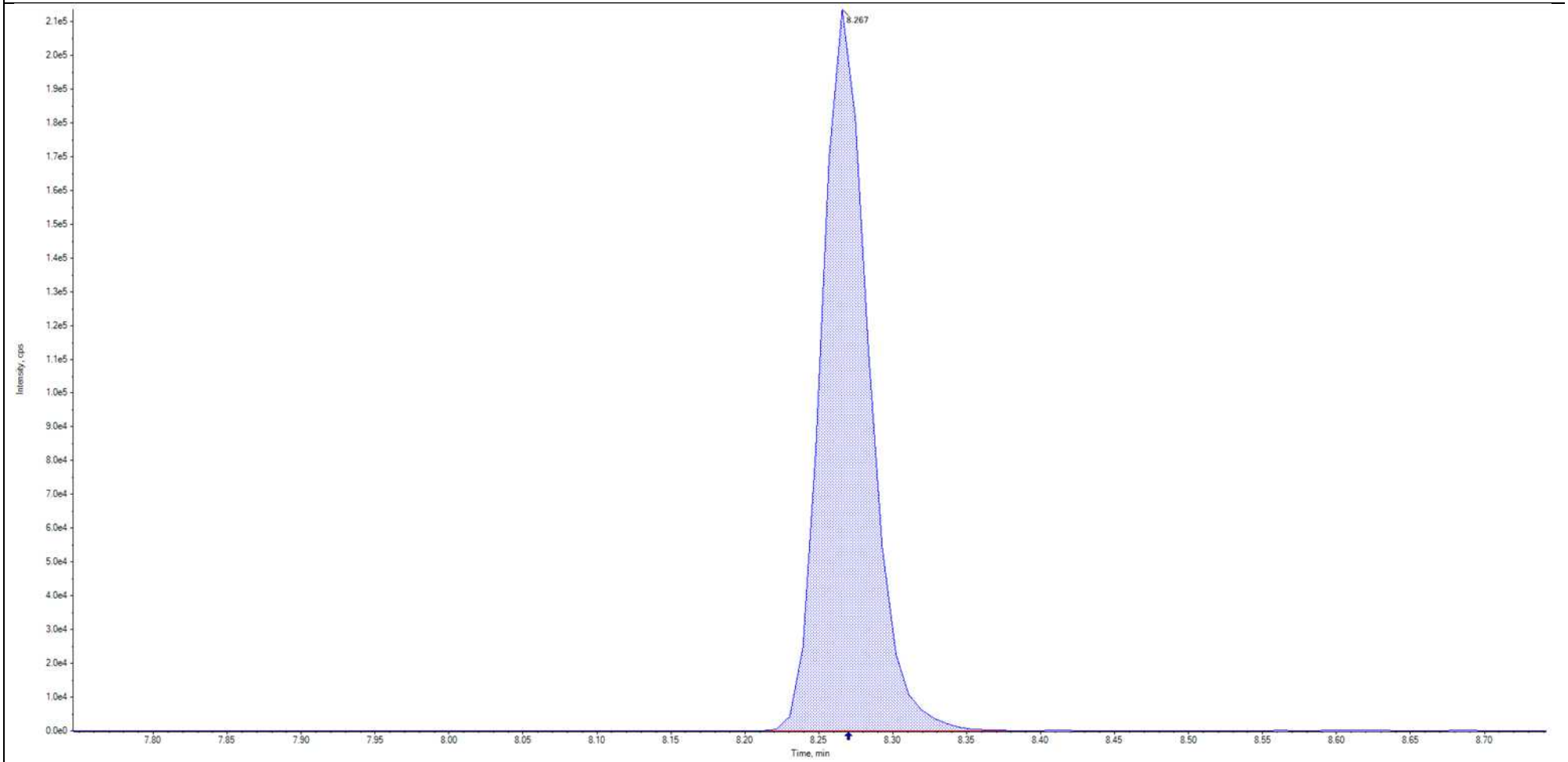


18O2-PFHxS
Sample: IA1633STD-62.5



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_79.wiff
Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

13C4-PFOS
Sample: IA1633STD-62.5



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 10:41:29 AM
Generated: 8/14/2024 6:27:11 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1958909-2,INSTBLANK
Name: SCI05_240813_80.wiff
Date & Time: 2024-08-13T23:45:02
Description: WG1958909
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	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	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	9.49	663.1 / 619.1	6349		0.030	0.256	0.228	Pass	N/A
19	PFTrDA_2	72629-94-8	9.50	663.1 / 169.0	1624	M7	0.034	0.256	0.228	Pass	N/A
20	PFTeDA	376-06-7	9.90	713.1 / 669.1	21668	M4	0.063	0.157	0.137	Pass	N/A
21	PFTeDA_2	376-06-7	9.90	713.1 / 169.0	3400		0.072	0.157	0.137	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	5.13	327.1 / 307.1	21946		0.189	0.600	0.516	Pass	N/A
39	4:2FTS_2	757124-72-4	5.13	327.1 / 81.1	13162		0.212	0.600	0.516	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	9989	M4	0.122	0.612	0.700	Pass	N/A
51	NMeFOSAA_2	2355-31-9	8.22	570.2 / 483.0	6119	M7	0.117	0.612	0.700	Pass	N/A
52	NEtFOSAA	2991-50-6	8.36	584.2 / 419.1	12334		0.188	0.476	0.487	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.37	584.2 / 526.2	5875	M7	0.195	0.476	0.487	Pass	N/A
54	NMeFOSE	24448-09-7	10.07	616.1 / 58.9	41408	M5	0.379	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	10.27	630.0 / 58.9	75268	M5	0.371	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	12241		0.143	0.711	0.953	Pass	N/A
67	5:3FTCA_2	914637-49-3	7.15	341.1 / 217.0	8706	M7	0.108	0.711	0.953	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.21	441.1 / 316.9	111677		1.173	1.795	1.558	Pass	N/A
69	7:3FTCA_2	812-70-4	8.20	441.1 / 337.1	200446	M7	1.451	1.795	1.558	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	877243		5.051	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.49	415.0 / 370.0	3166284		2.661	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	2.89	217.0 / 172.0	2447124		10.262	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	4.64	268.0 / 223.0	1615830		5.645	NA	NA	NA	112.9
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	966894		2.571	NA	NA	NA	102.9
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	973772		2.587	NA	NA	NA	103.5
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1433742		2.668	NA	NA	NA	106.7
	13C9-PFNA	EIS	7.94	472.0 / 427.0	704347		1.334	NA	NA	NA	106.8
	13C6-PFDA	EIS	8.17	519.0 / 474.0	641968		1.230	NA	NA	NA	98.4
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	540761		1.280	NA	NA	NA	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.89	615.1 / 570.0	347084		1.263	NA	NA	NA	101.0
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	344626		1.155	NA	NA	NA	92.4
	13C3-PFBS	EIS	5.31	302.1 / 80.1	786899		2.432	NA	NA	NA	104.4
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	629576		2.450	NA	NA	NA	103.4
	13C8-PFOS	EIS	8.26	507.1 / 80.1	684125		2.478	NA	NA	NA	103.5
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	277969		4.814	NA	NA	NA	102.6
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	192934		4.559	NA	NA	NA	95.9
	13C2-8:2FTS	EIS	8.06	529.2 / 81.1	322603		5.209	NA	NA	NA	108.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	962182		2.622	NA	NA	NA	104.9
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	156834		2.539	NA	NA	NA	101.6
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	149880		2.484	NA	NA	NA	99.3
	d3-NMeFOSAA	EIS	8.21	573.2 / 419.1	624650		4.473	NA	NA	NA	89.5
	d5-NEtFOSAA	EIS	8.35	589.3 / 419.1	351423		4.788	NA	NA	NA	95.8
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1105881		23.181	NA	NA	NA	92.7
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1729004		24.582	NA	NA	NA	98.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.59	287.0 / 169.0	2621805		10.521	NA	NA	NA	105.2
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1043142		4.879	NA	NA	NA	97.6
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1116476		2.280	NA	NA	NA	91.2
	13C4-PFOA	NIS	7.49	417.0 / 372.0	703013		2.246	NA	NA	NA	89.8
	13C5-PFNA	NIS	7.94	468.0 / 423.0	643048		1.174	NA	NA	NA	93.9
	13C2-PFDA	NIS	8.16	515.1 / 470.1	613358		1.197	NA	NA	NA	95.8
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	522354		2.230	NA	NA	NA	94.1
	13C4-PFOS	NIS	8.26	503.1 / 80.1	488274		2.319	NA	NA	NA	96.8

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

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

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PFBA
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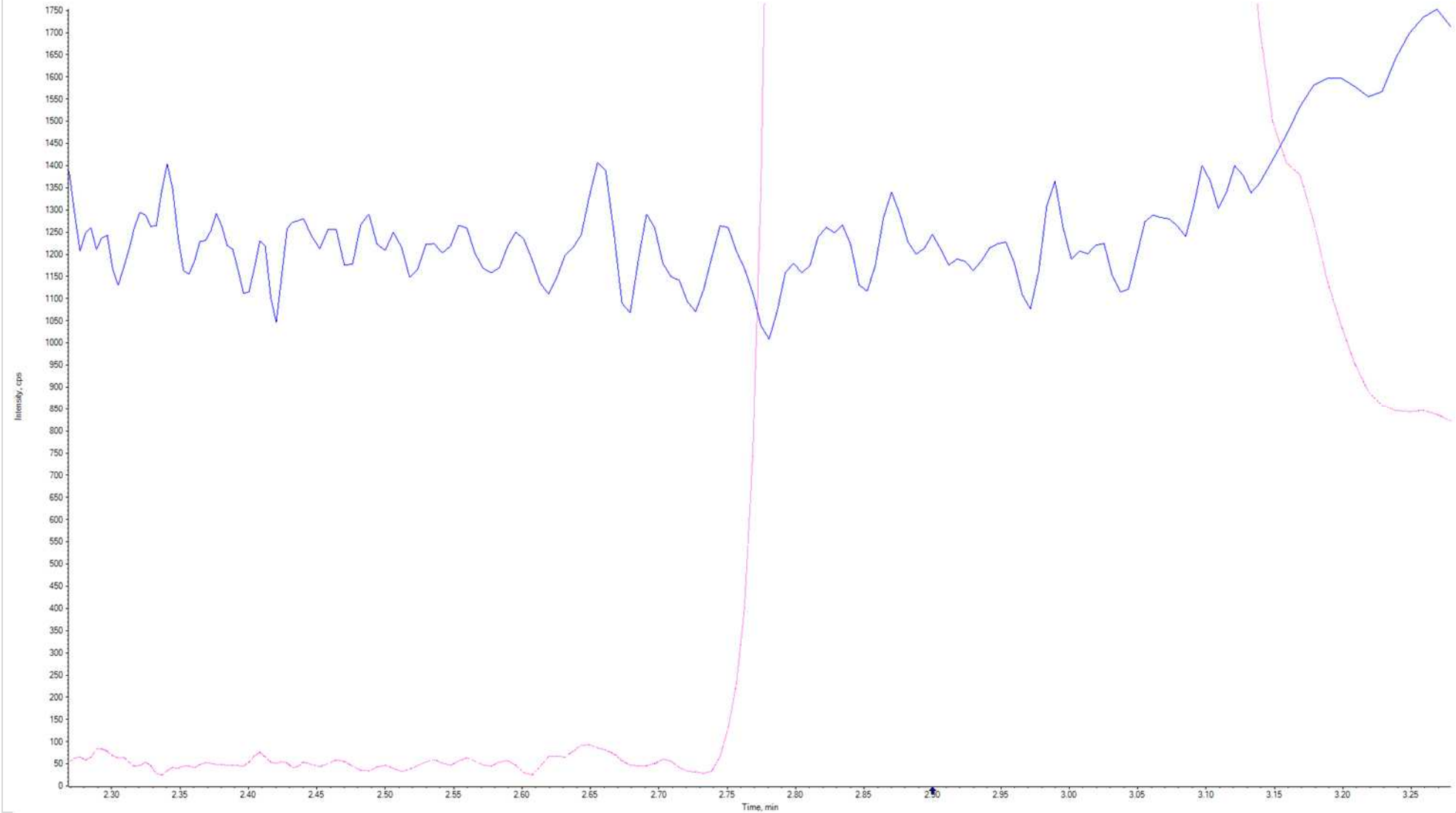

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PFPeA
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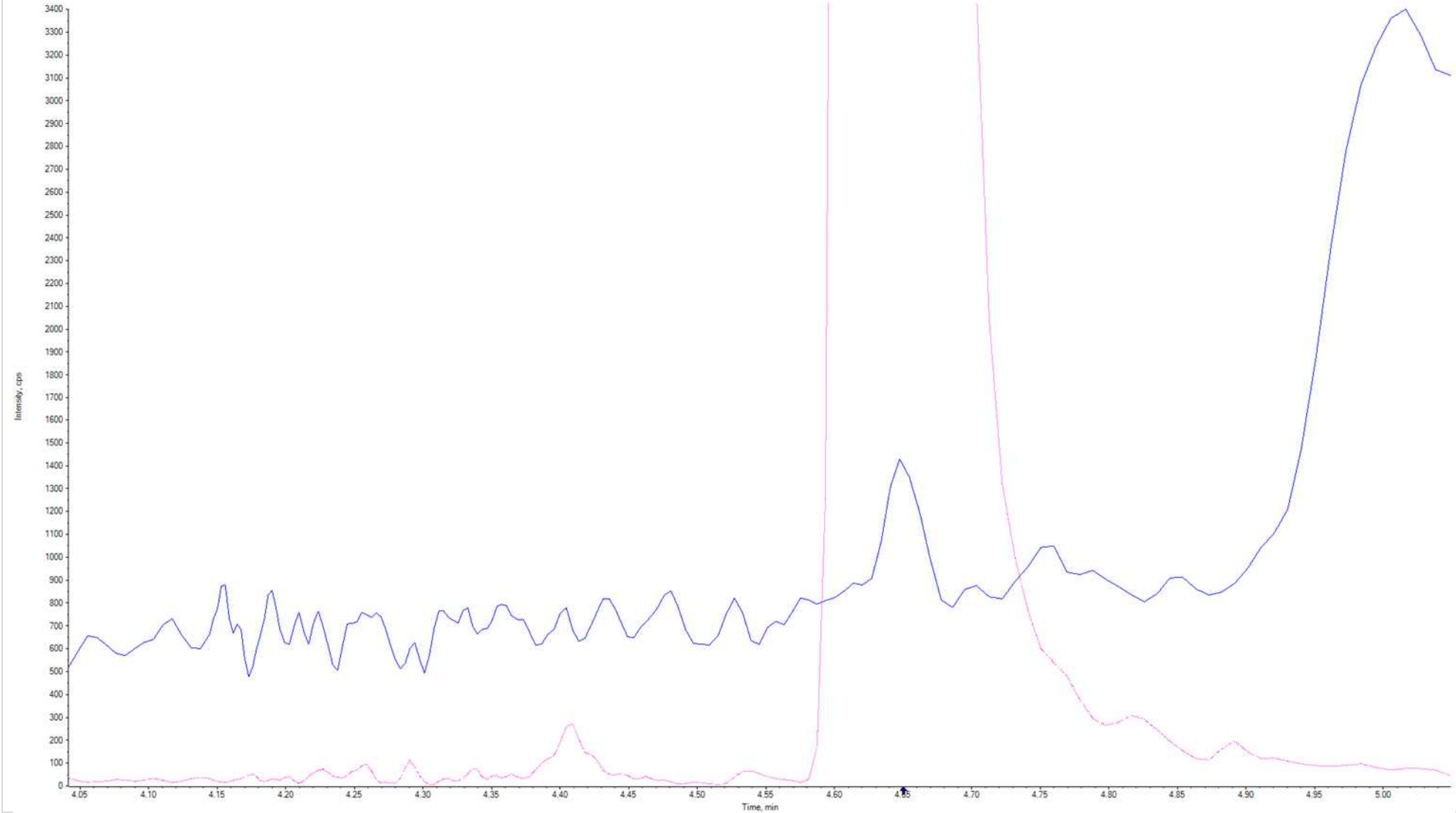

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PFPeA_2
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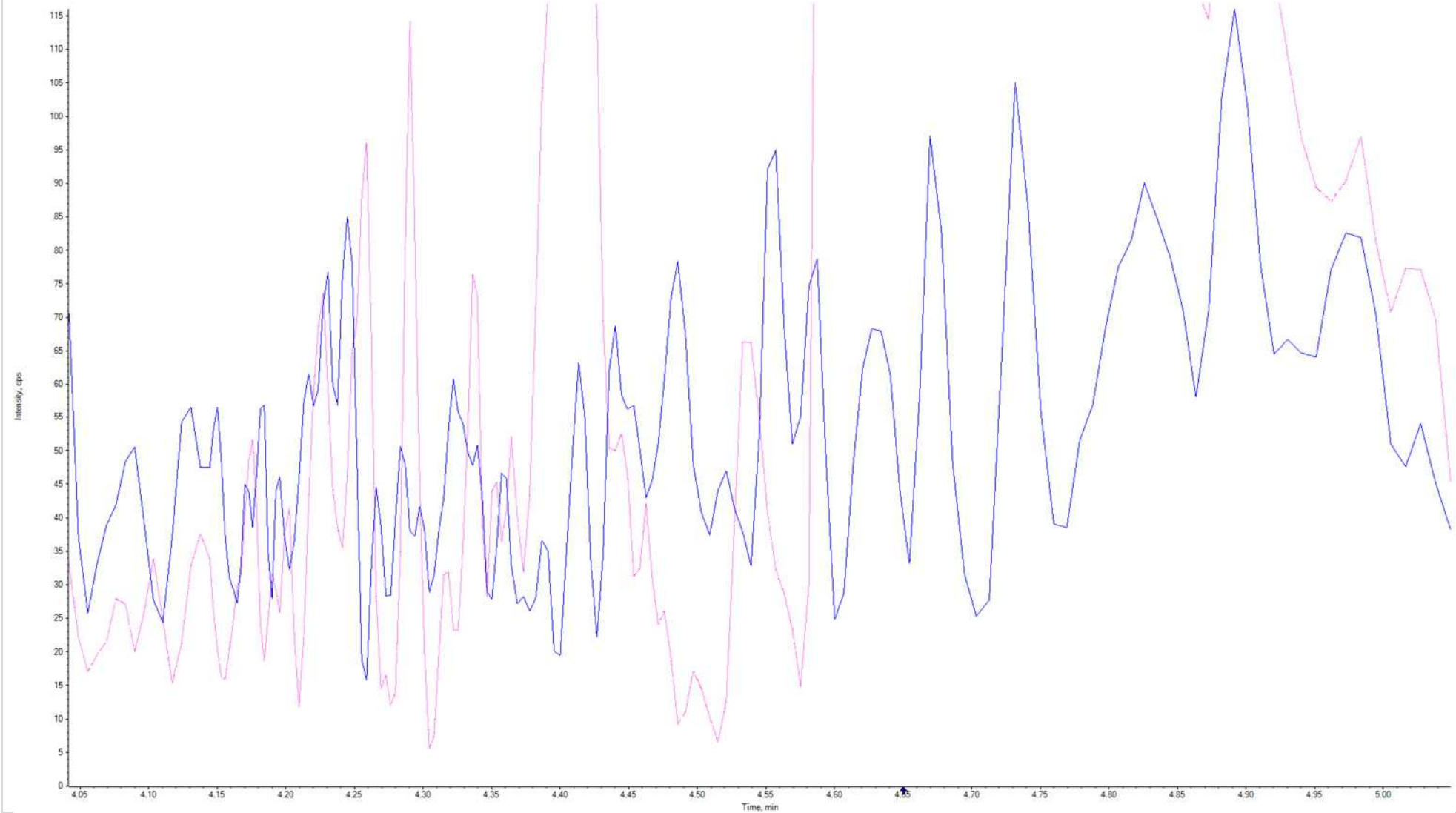

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PFHxA
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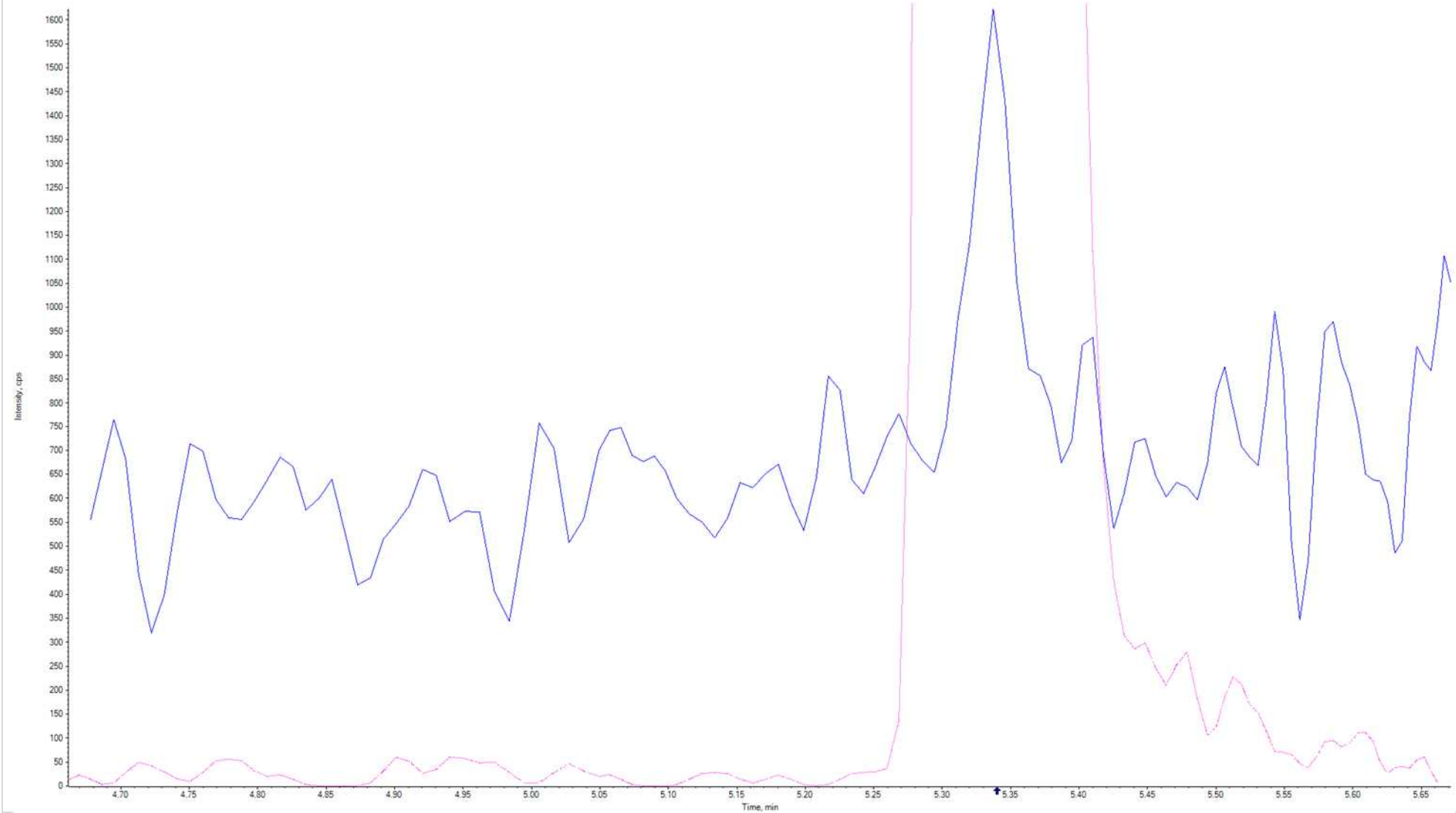

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PFHxA_2
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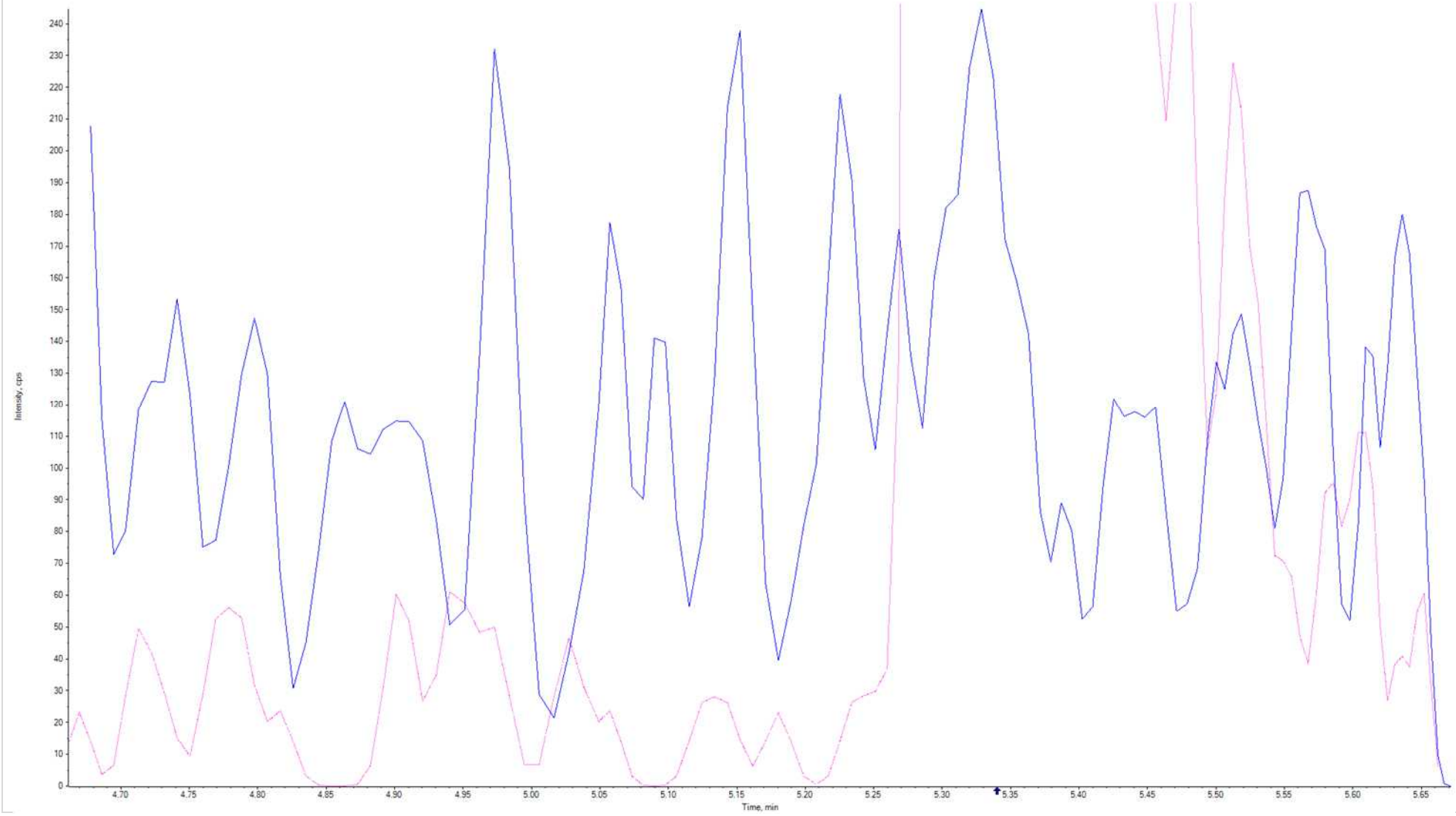

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PFHpA
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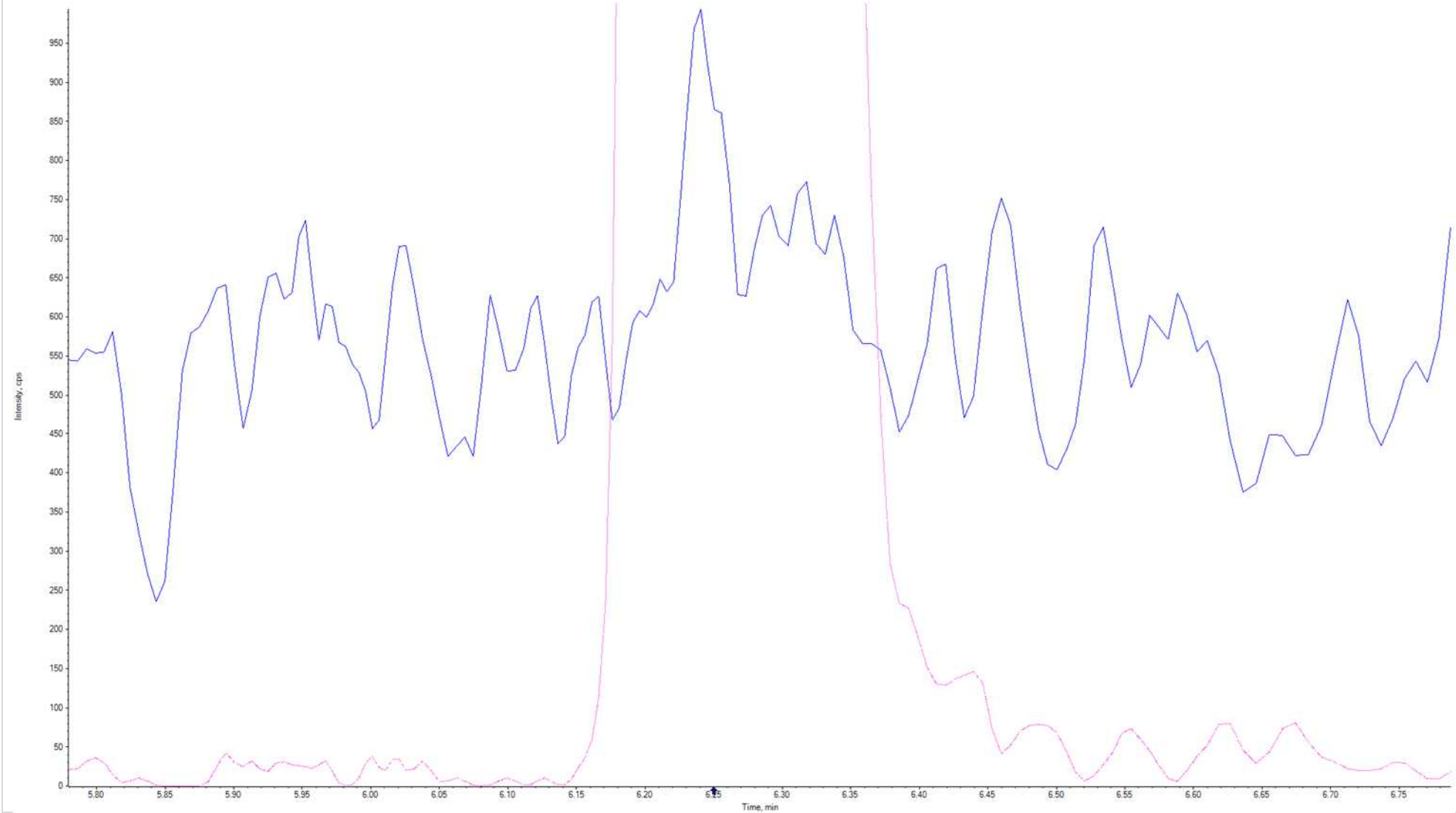

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PFHpA_2
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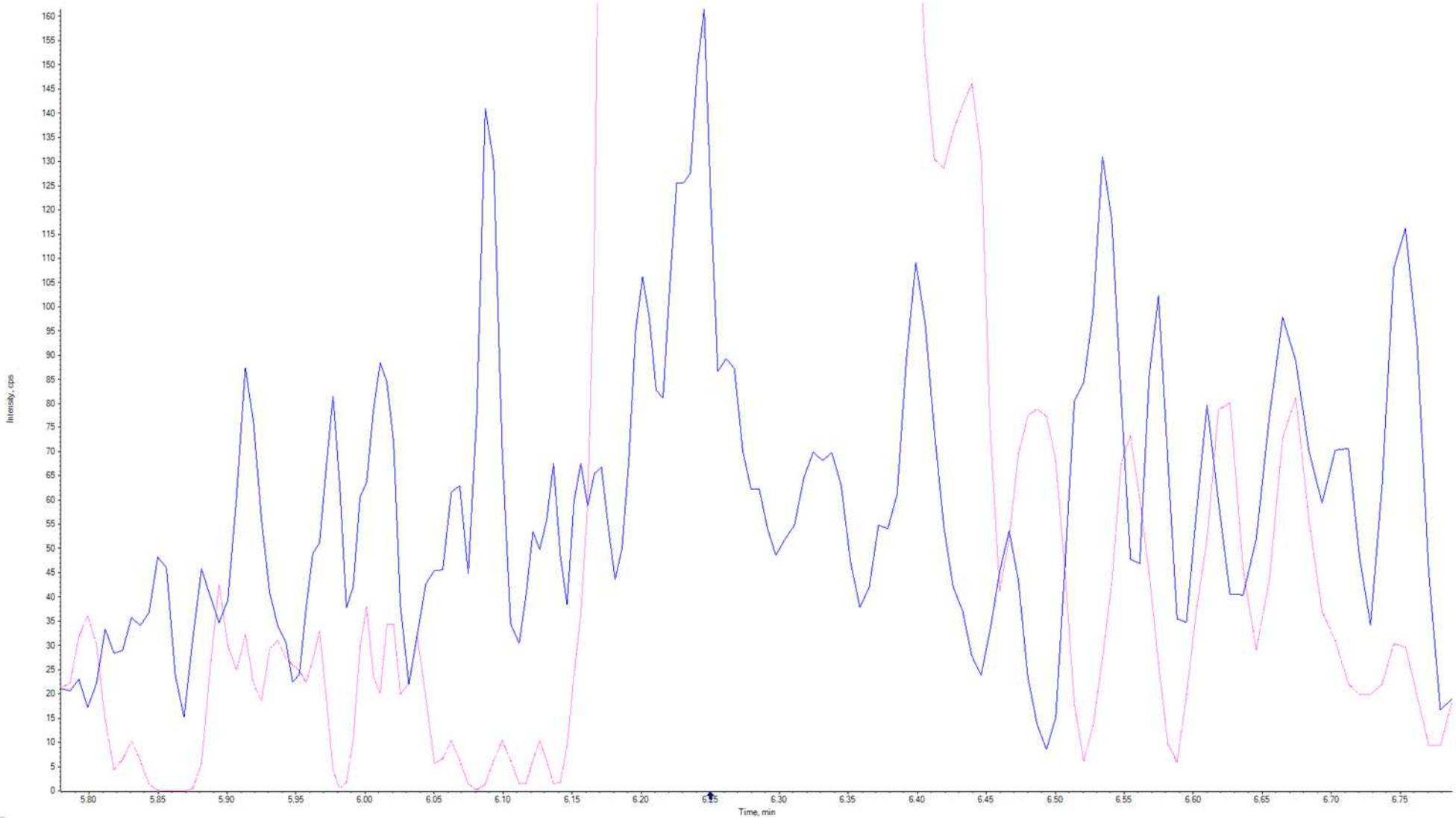

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PFOA
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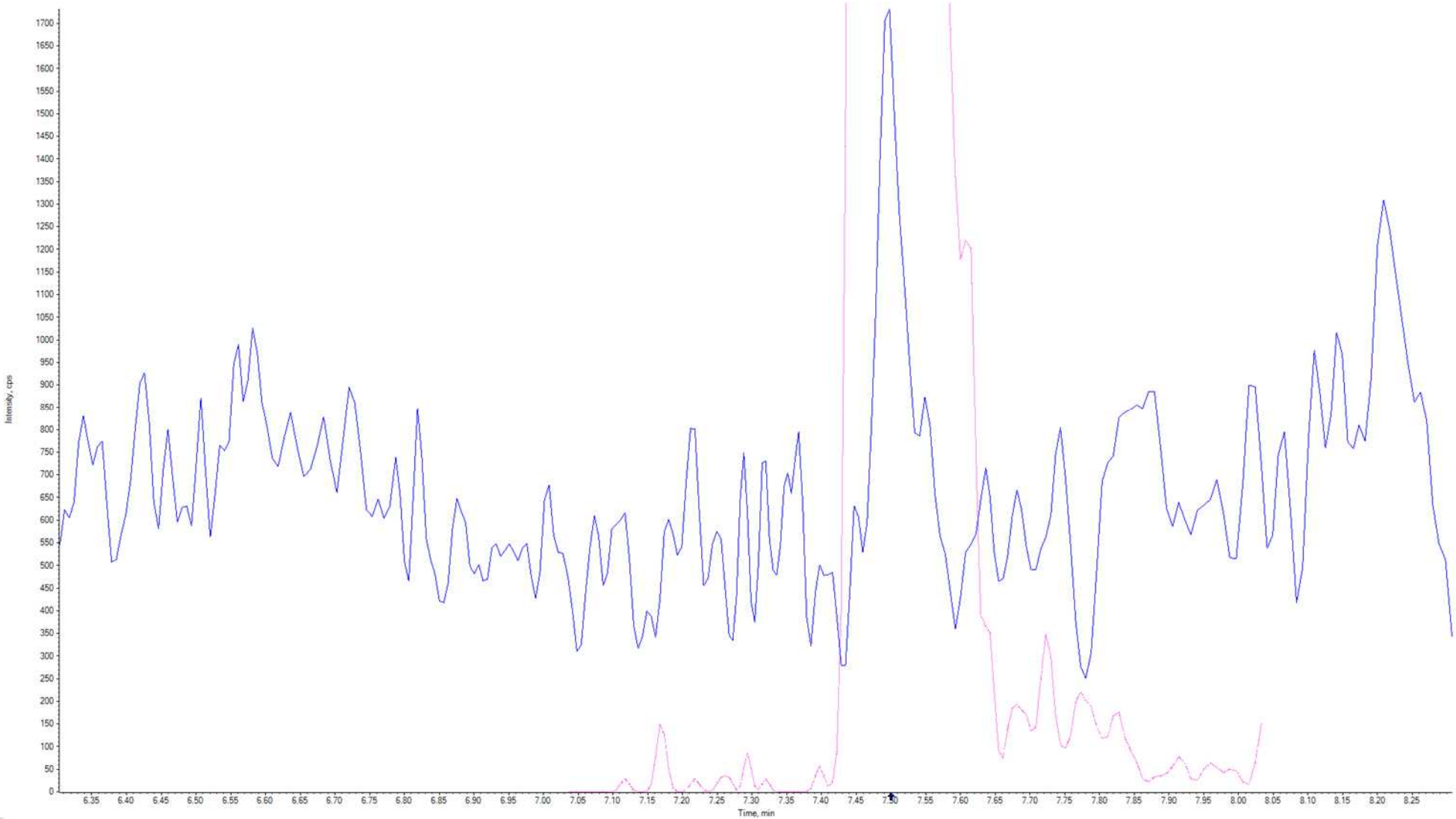

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PFOA_2
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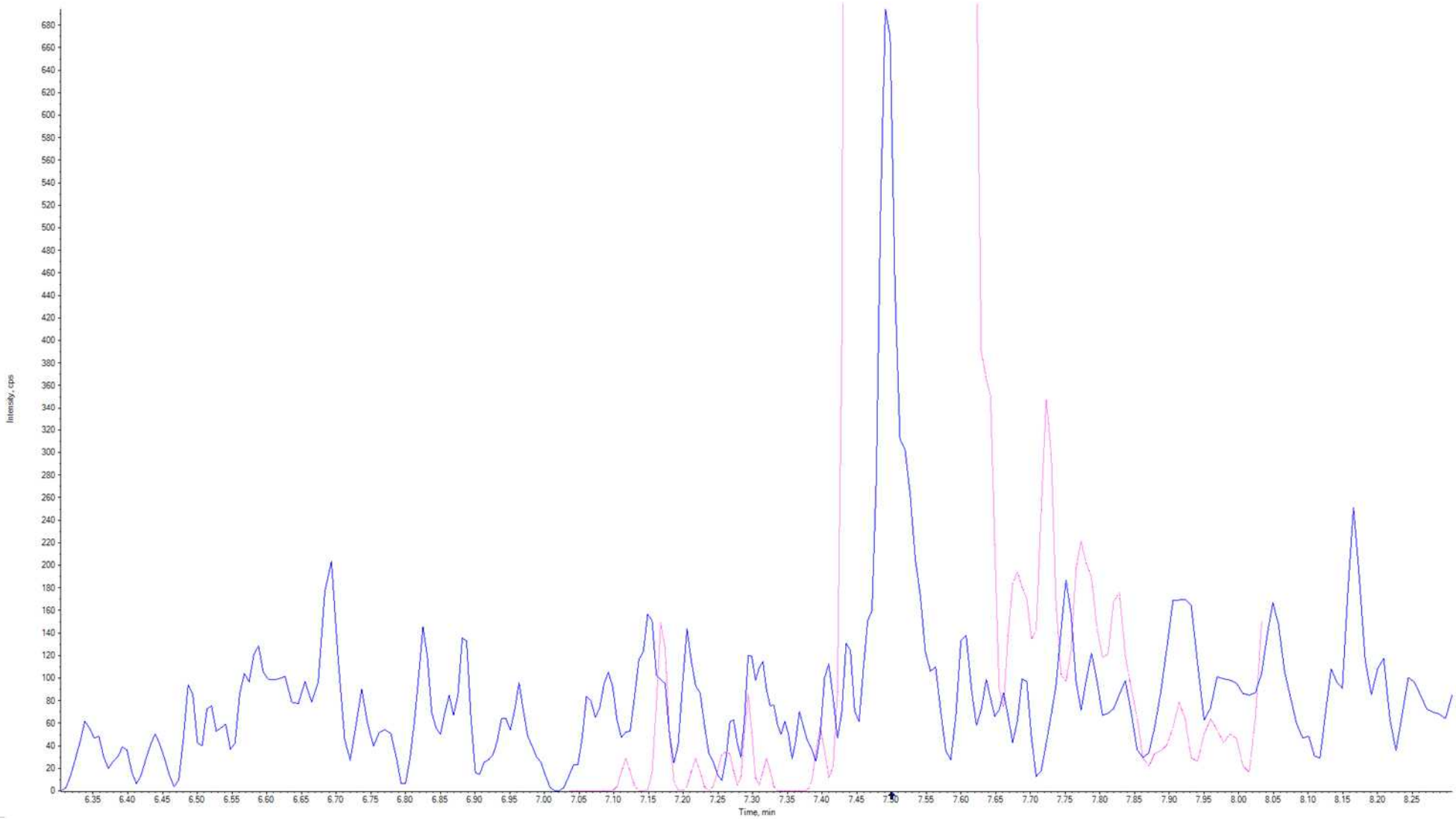

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PFNA
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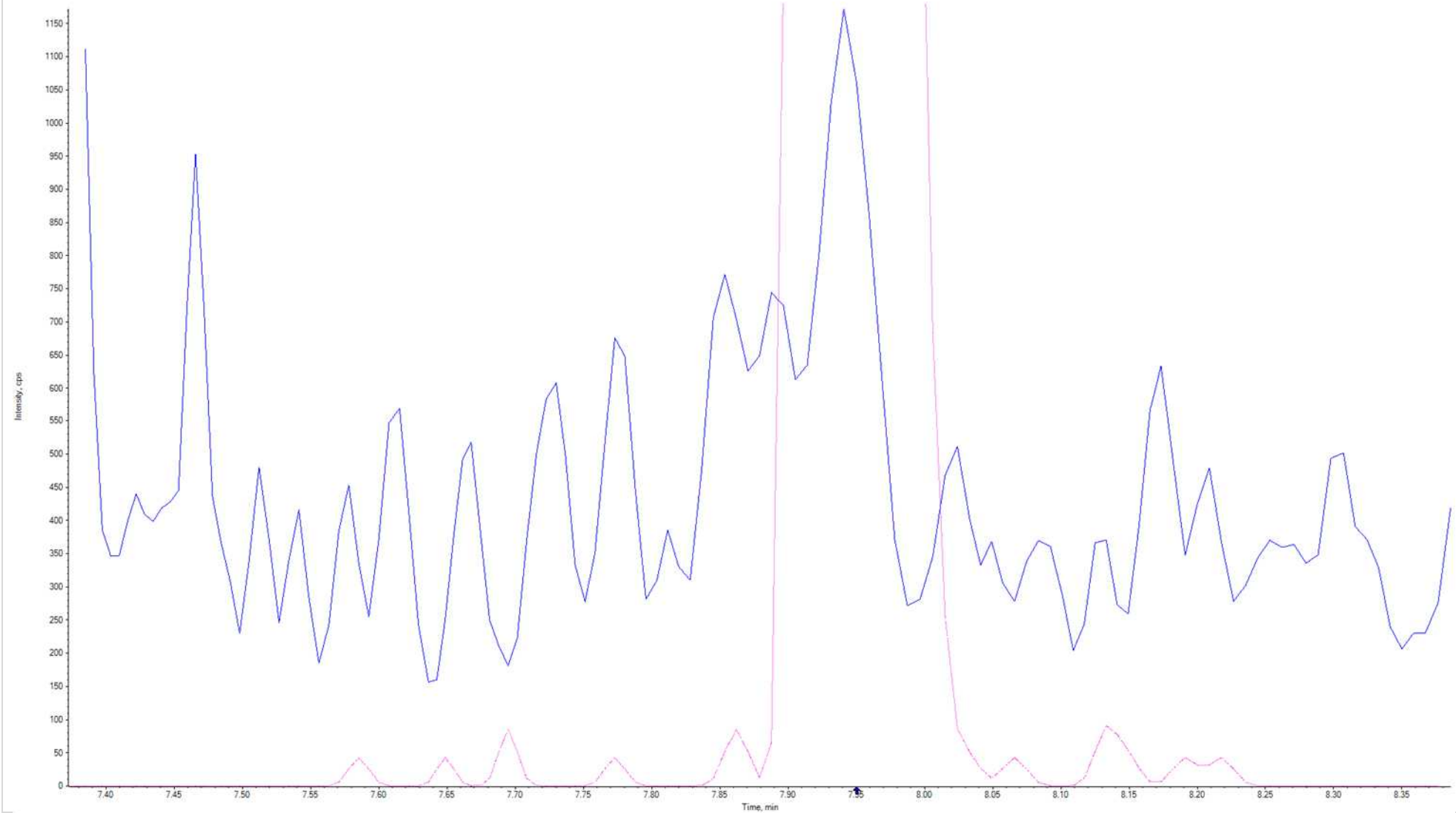

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PFNA_2
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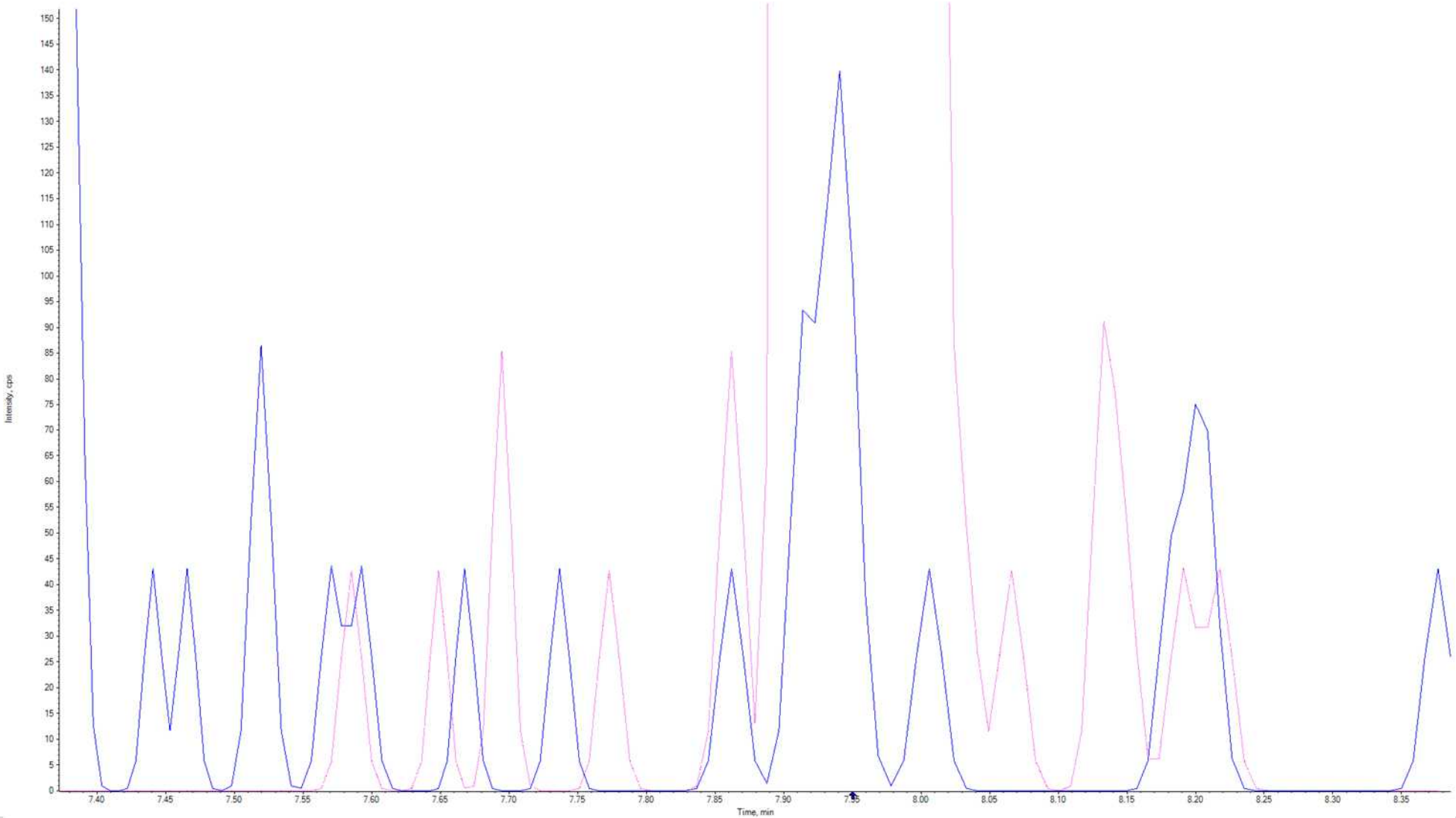

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PFDA
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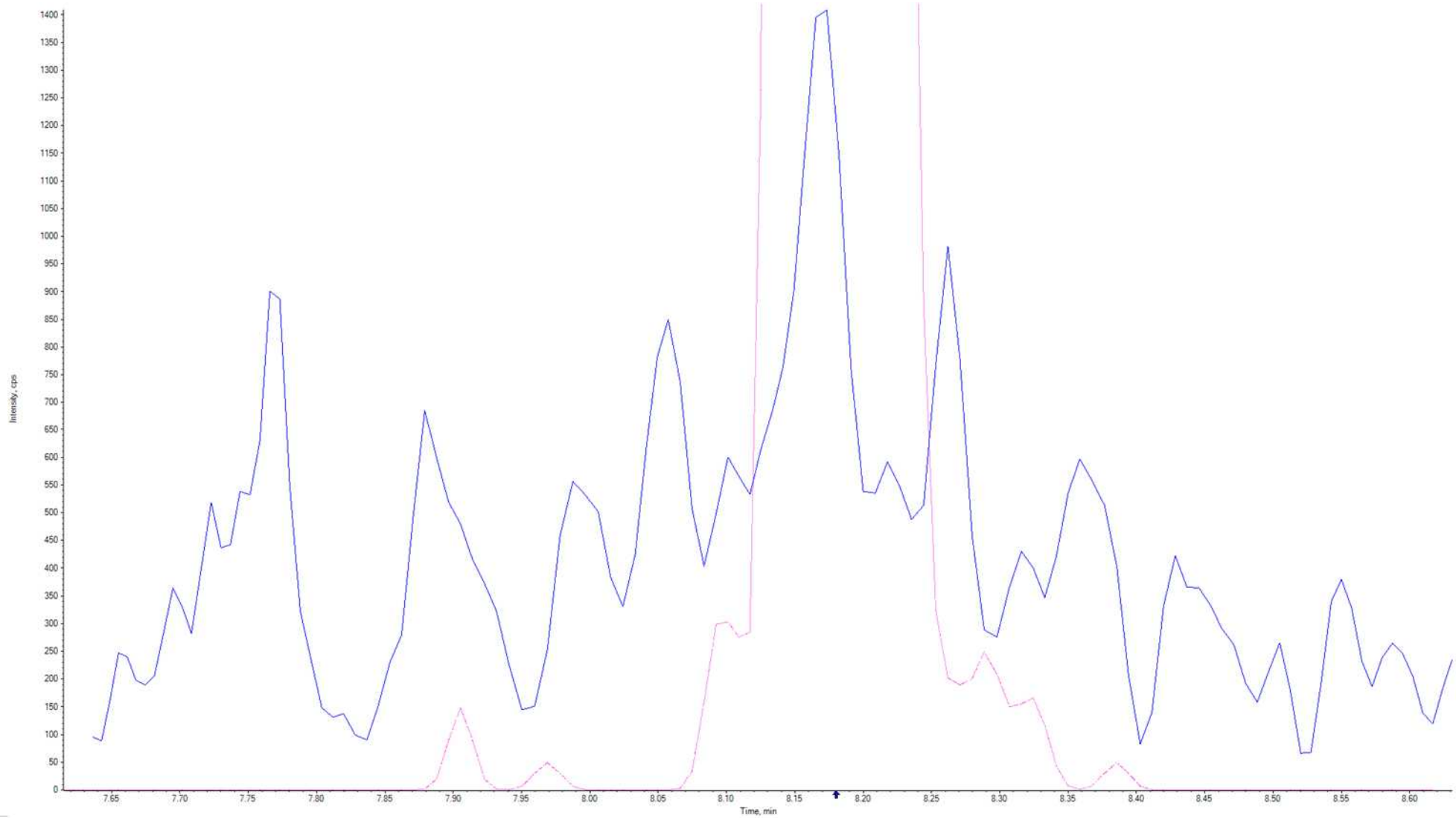

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDA_2
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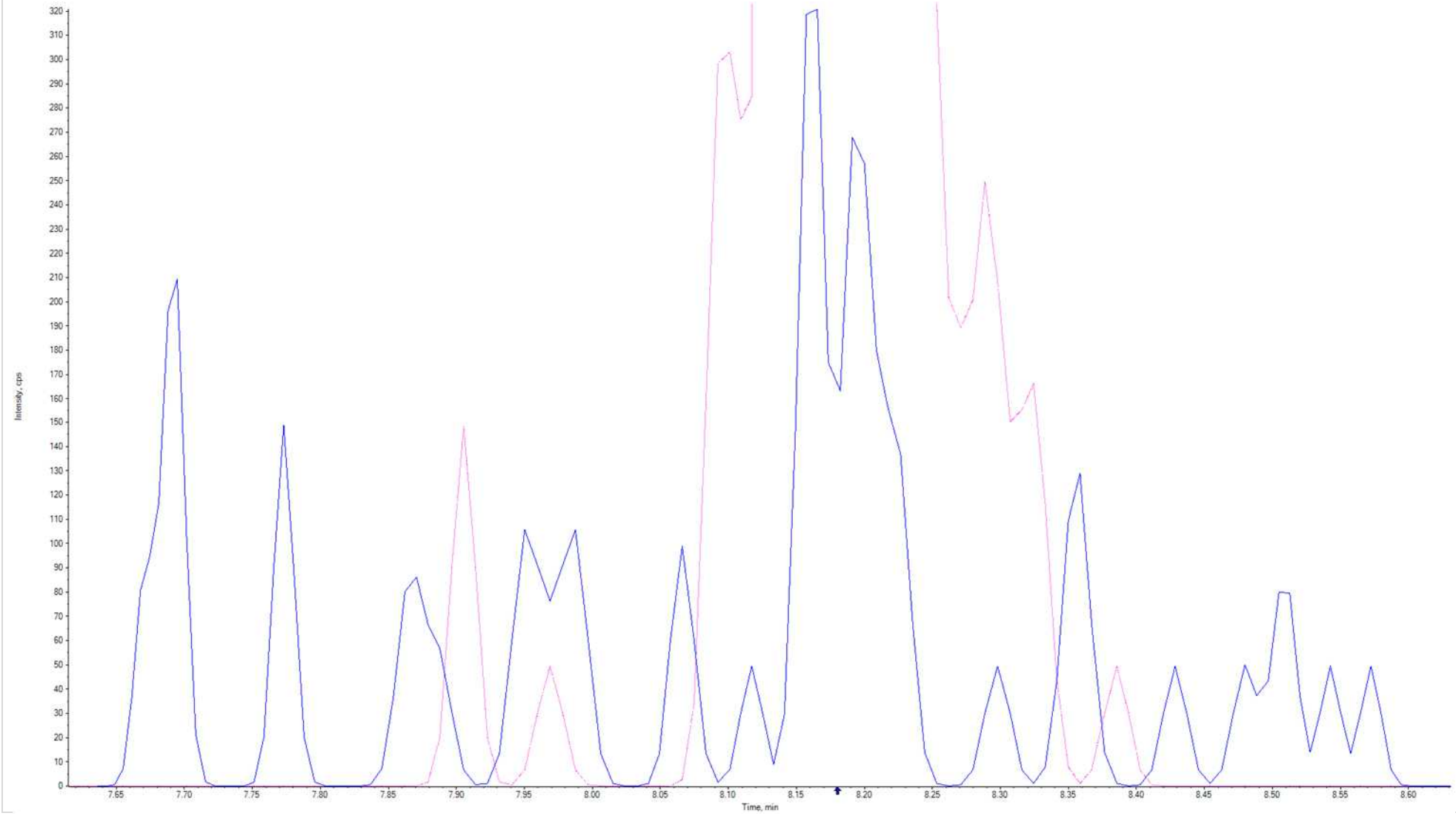

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PFUnA
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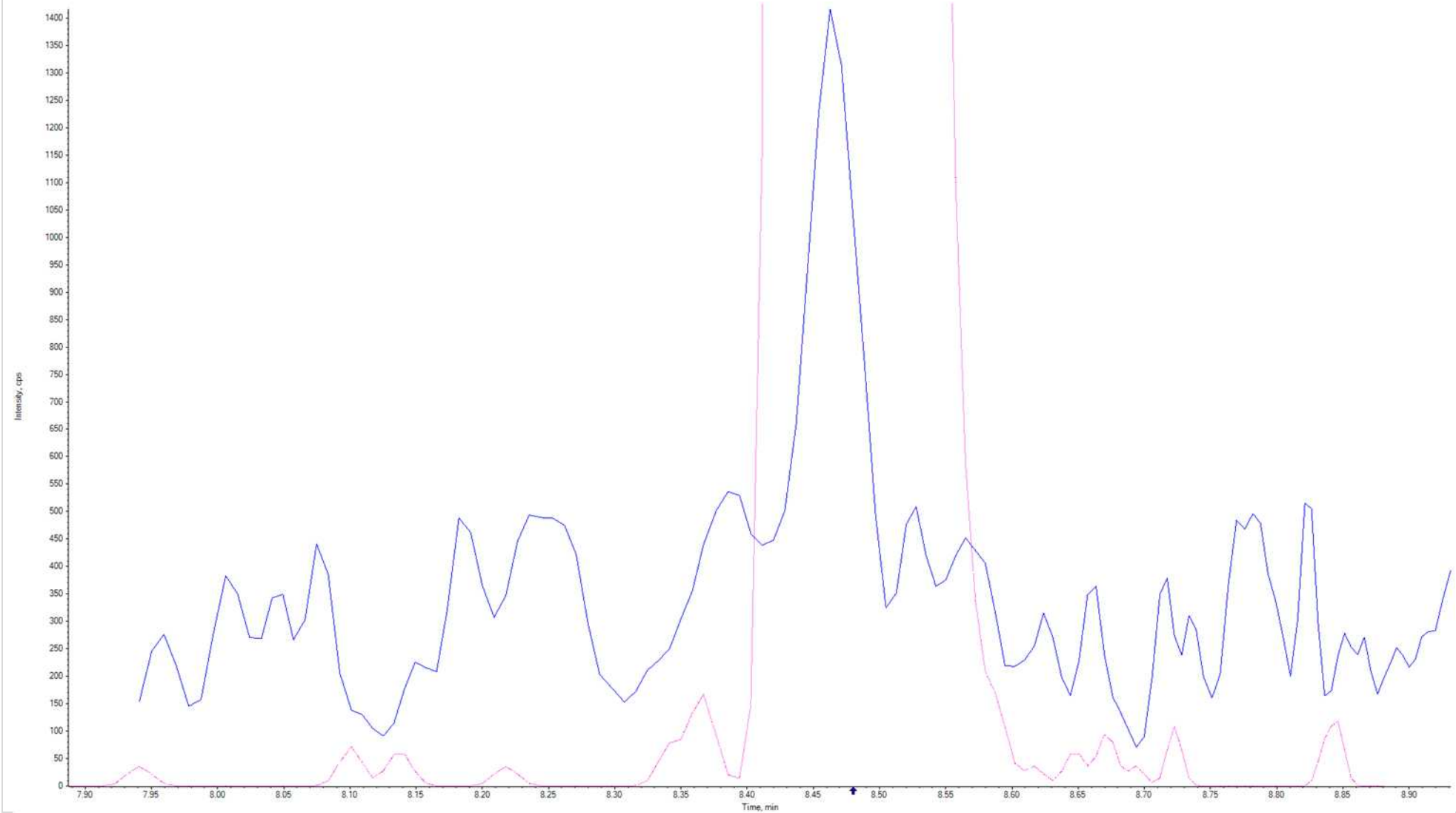

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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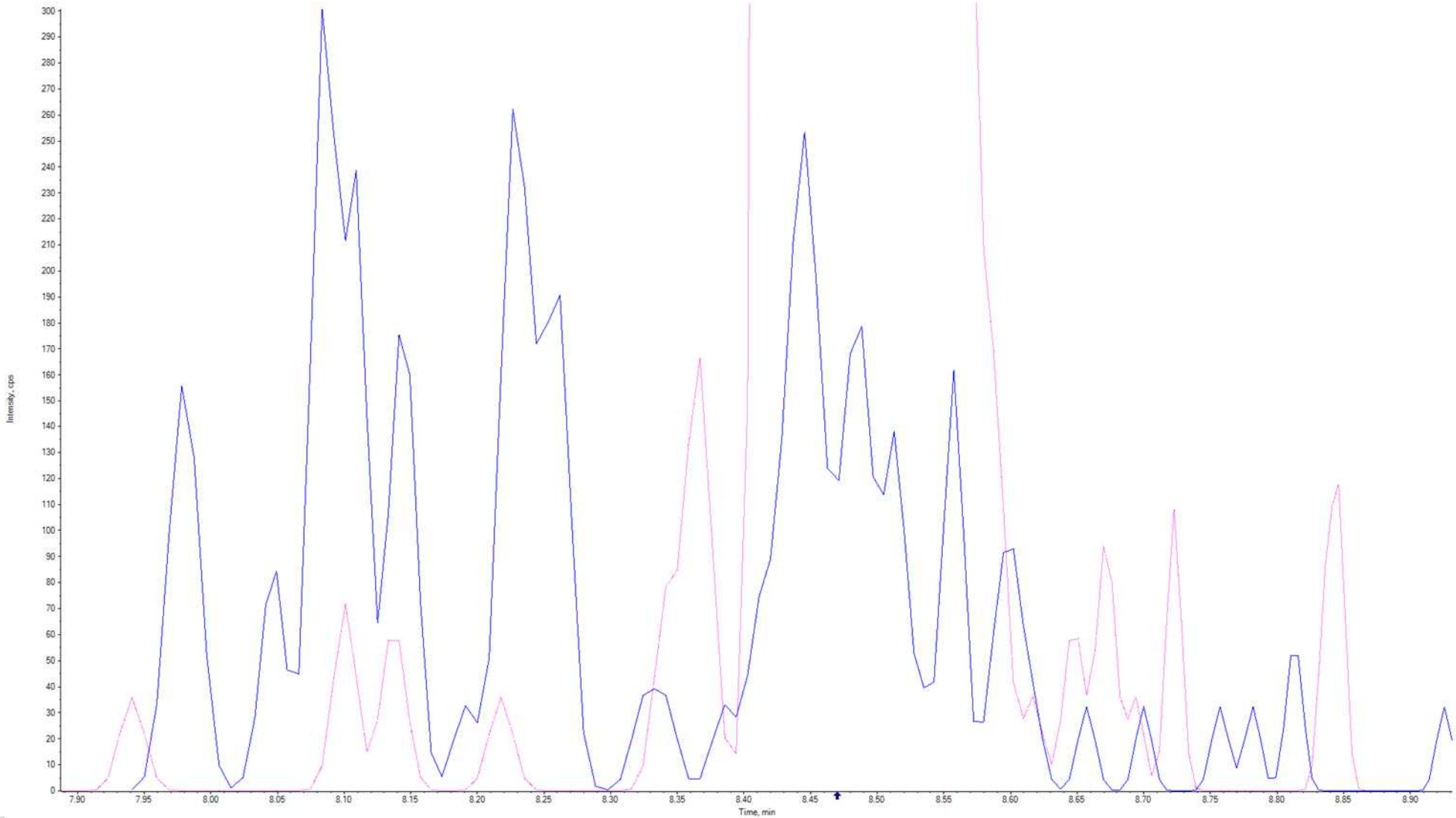

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDoA
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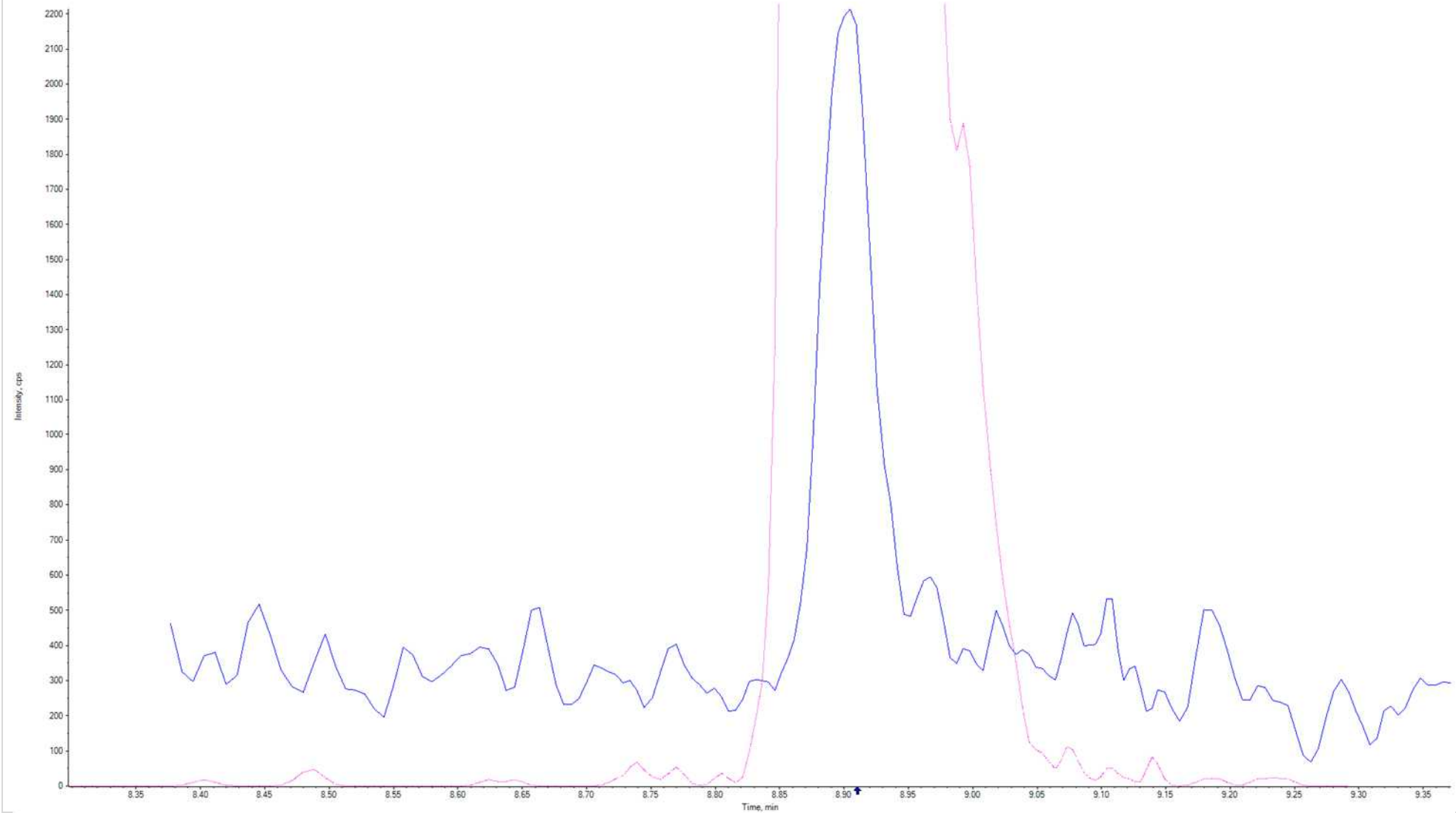

PFDoA_2
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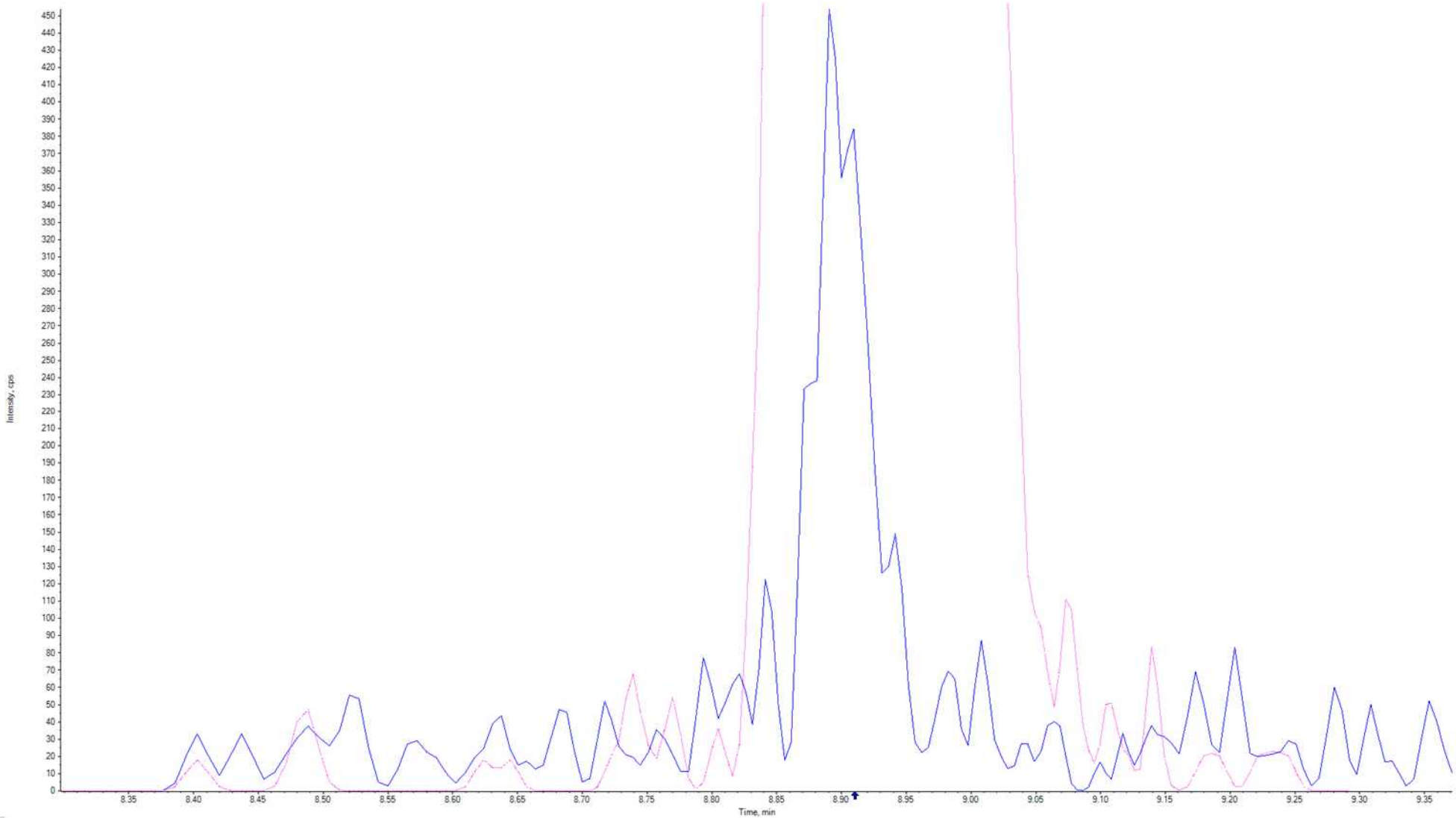

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 8/14/2024 9:40:32 AM

PFTrDA
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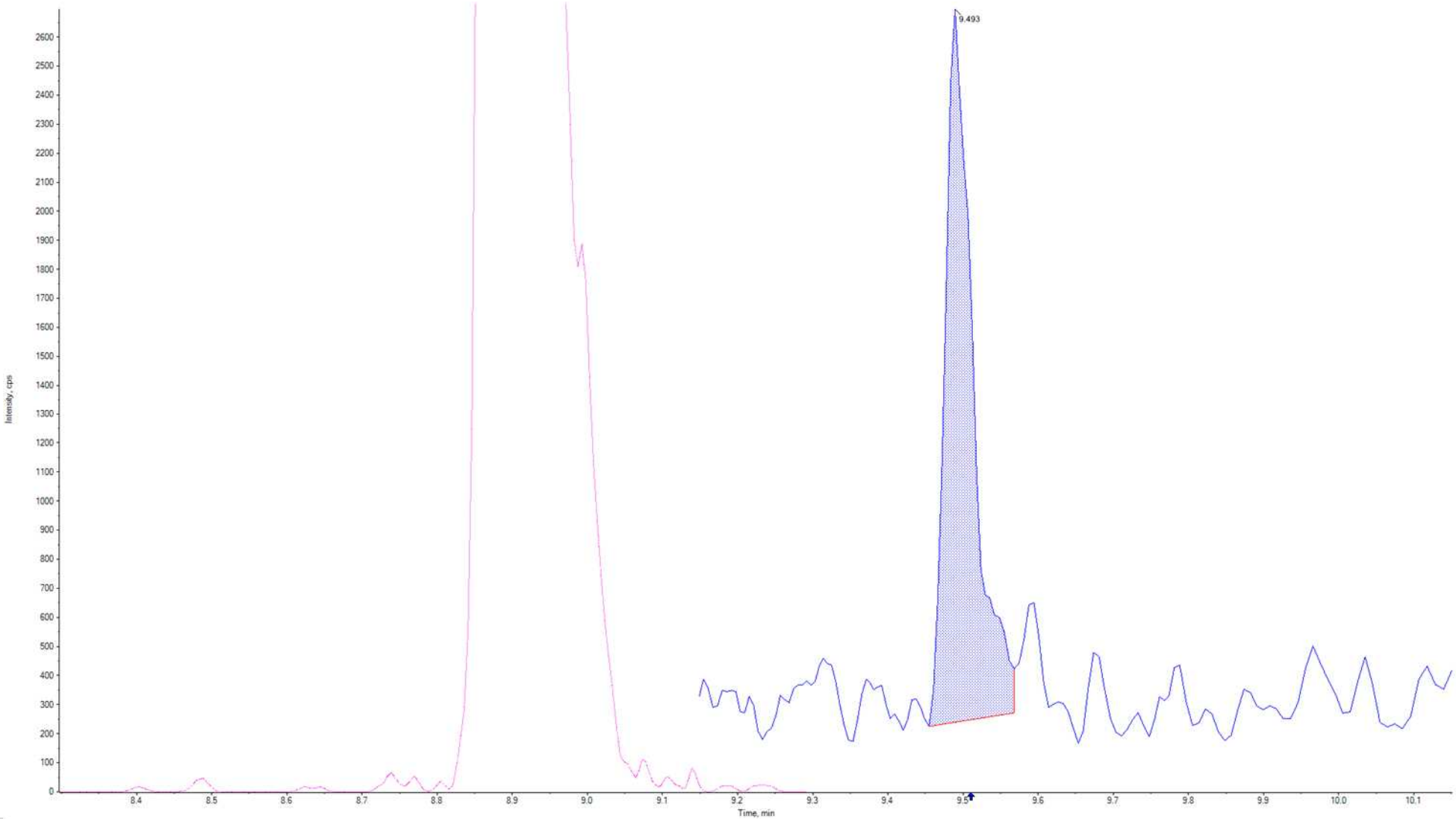

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTrDA_2
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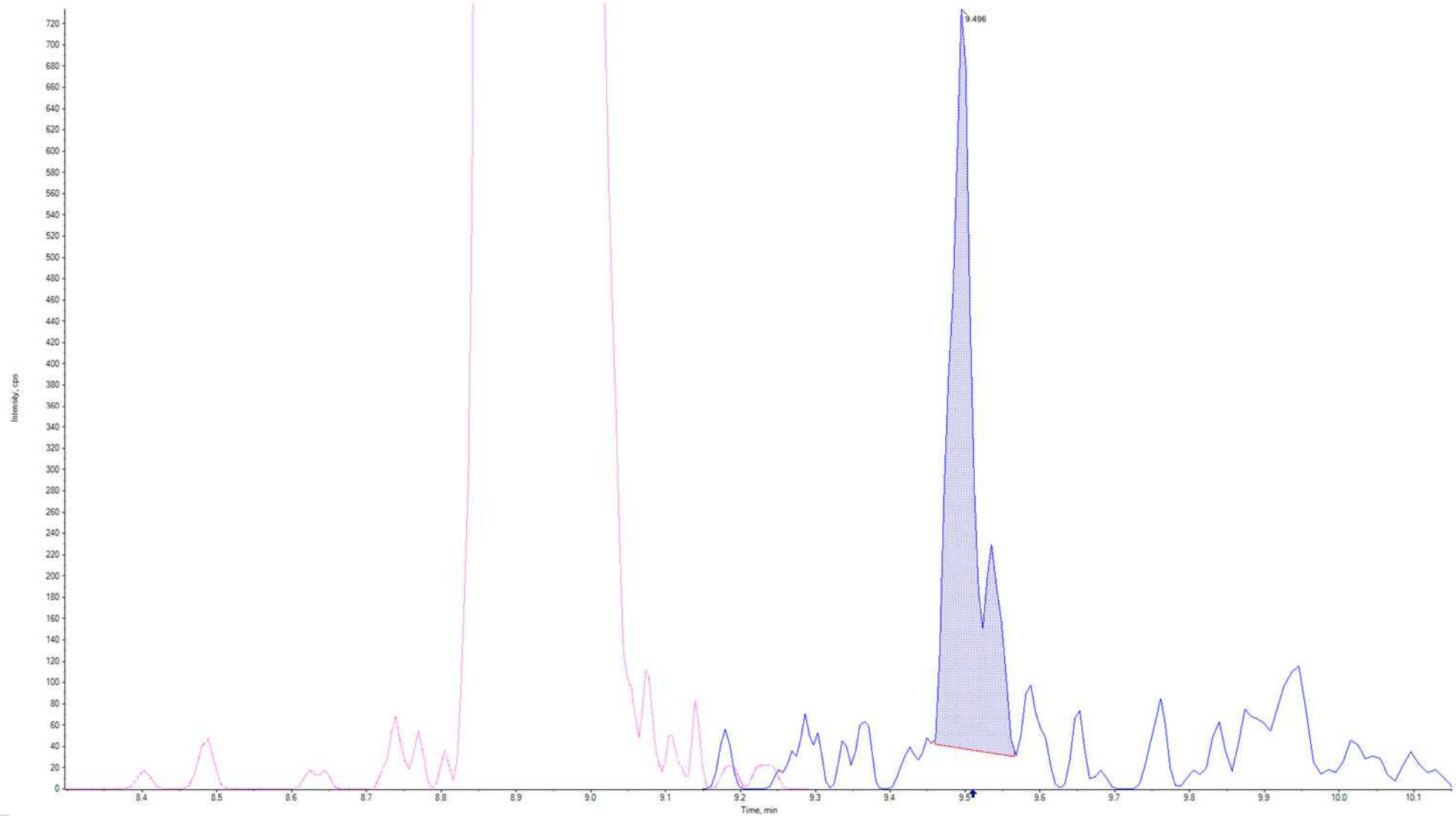

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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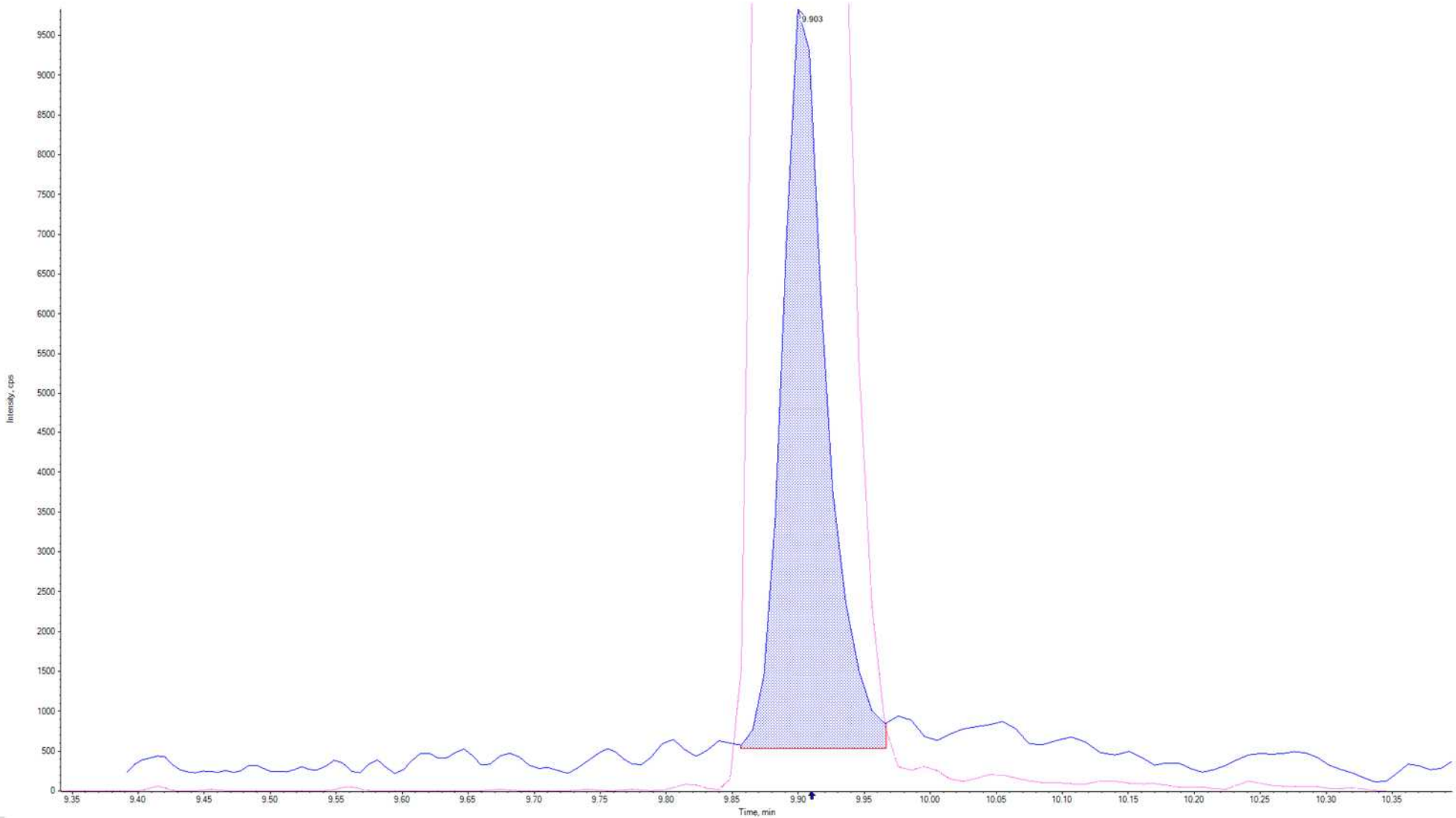
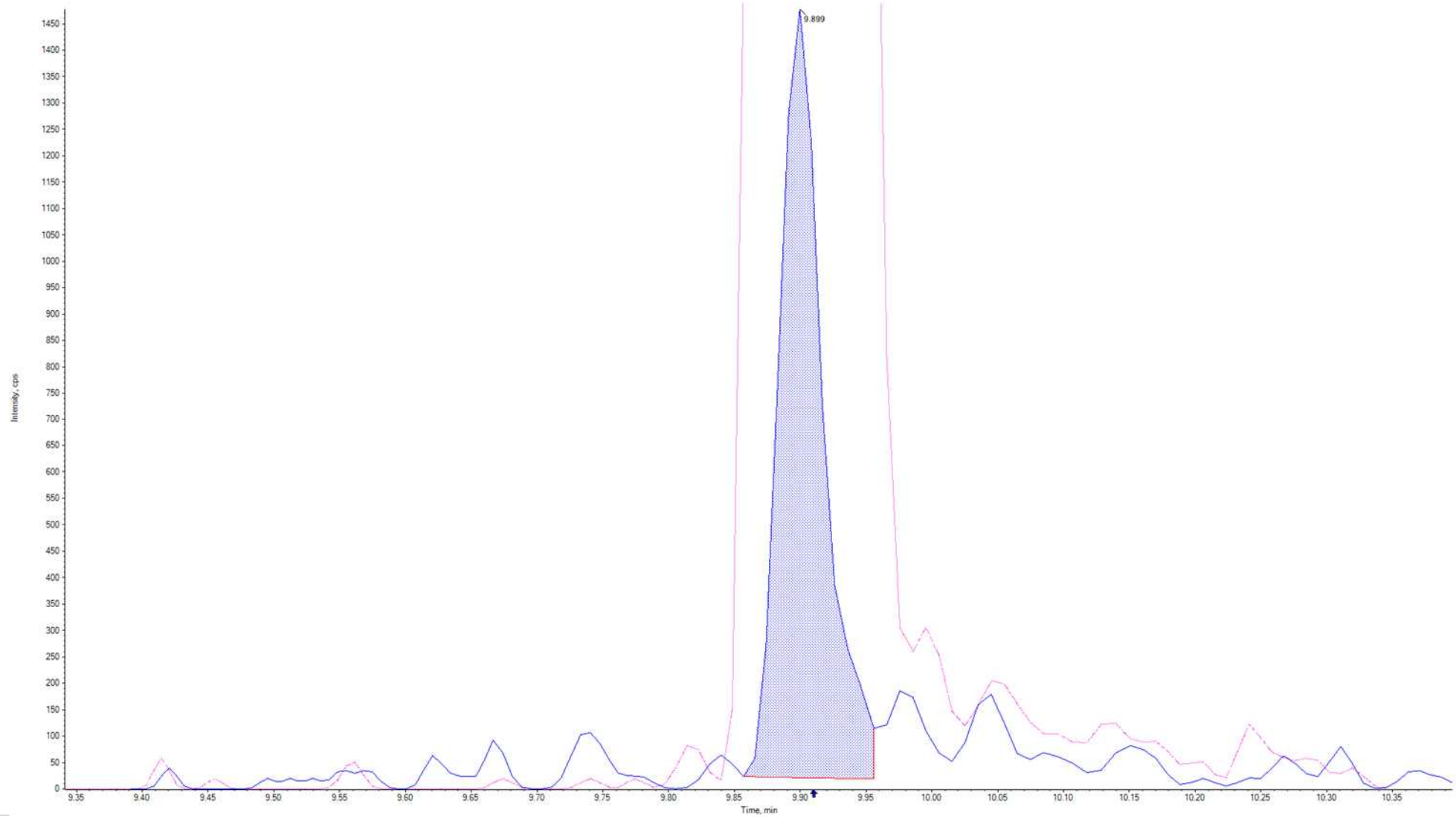
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA
Sample: WG1958909-2,INSTBLANK S/N:230.6 Points Across peak:15



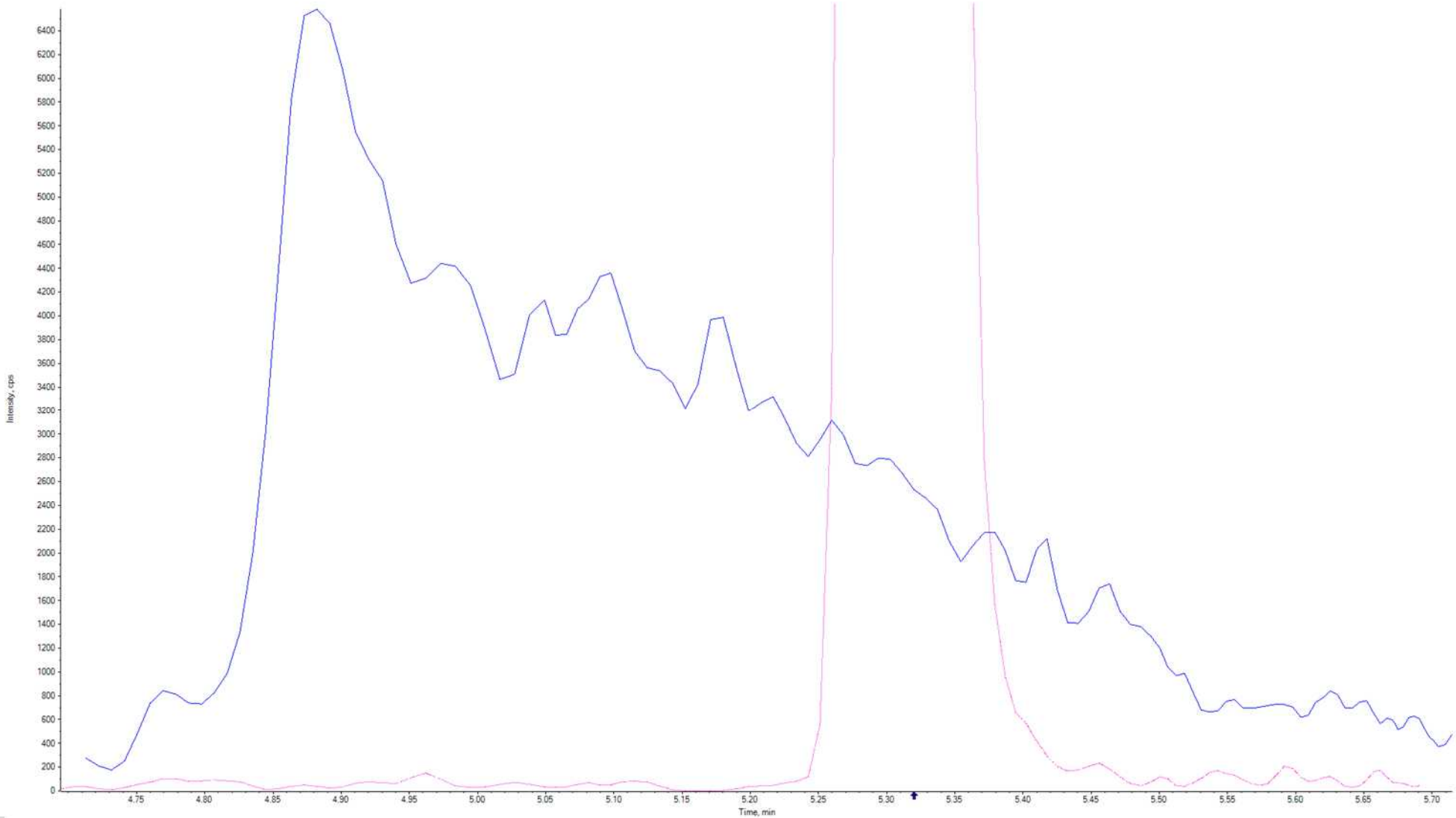
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA_2
Sample: WG1958909-2,INSTBLANK S/N:669554.6 Points Across peak:12



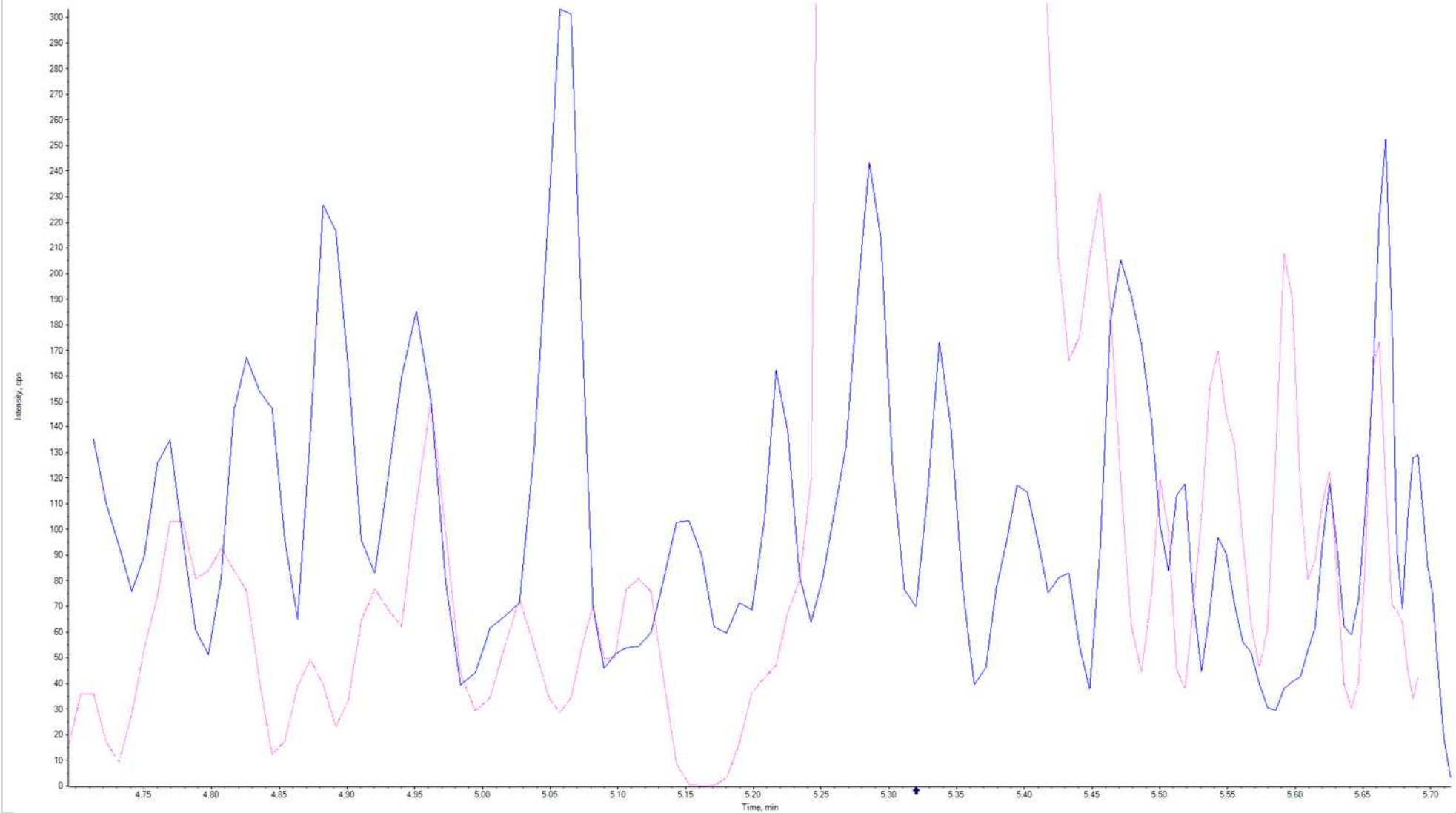
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



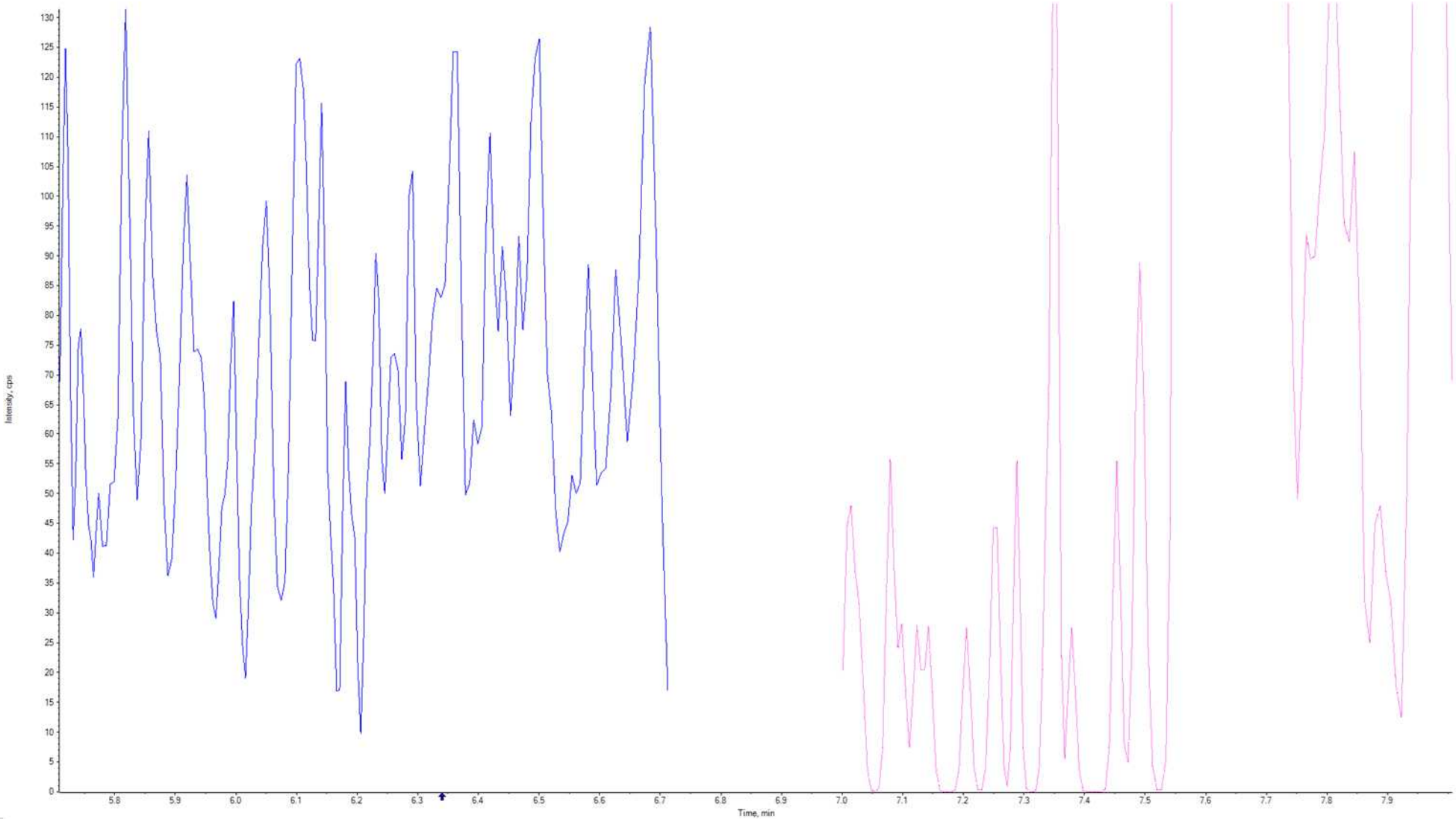
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



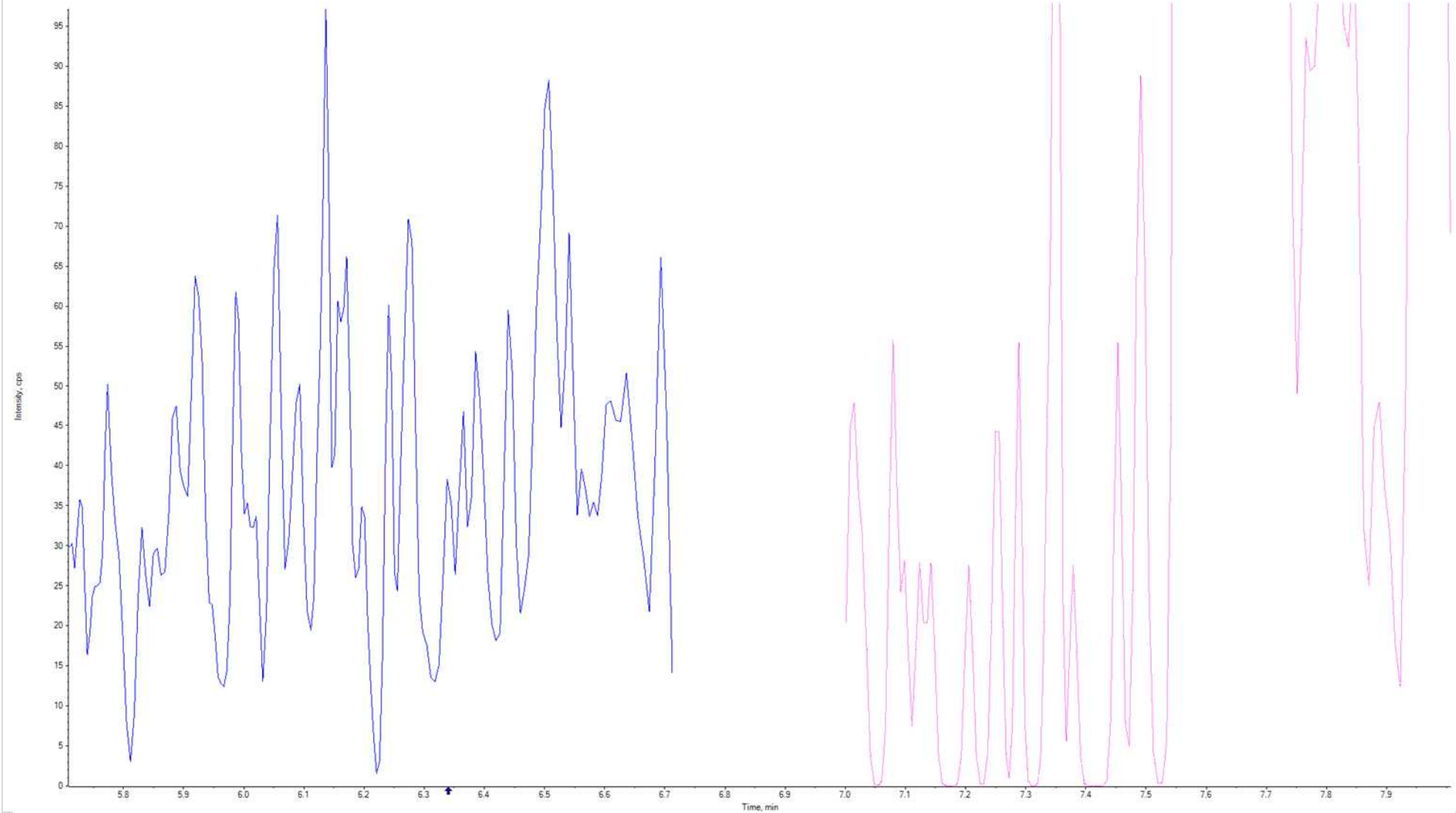
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



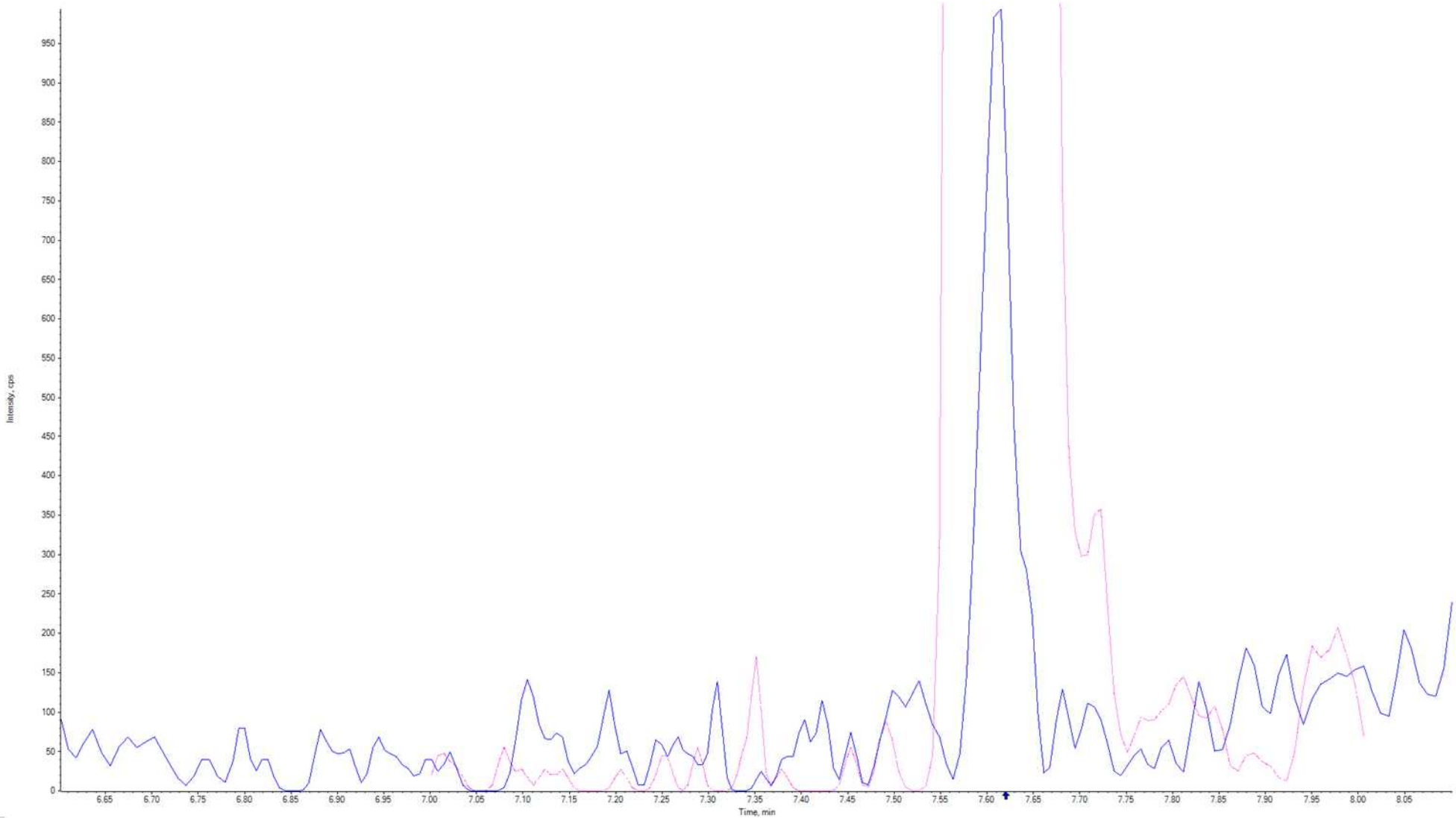
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



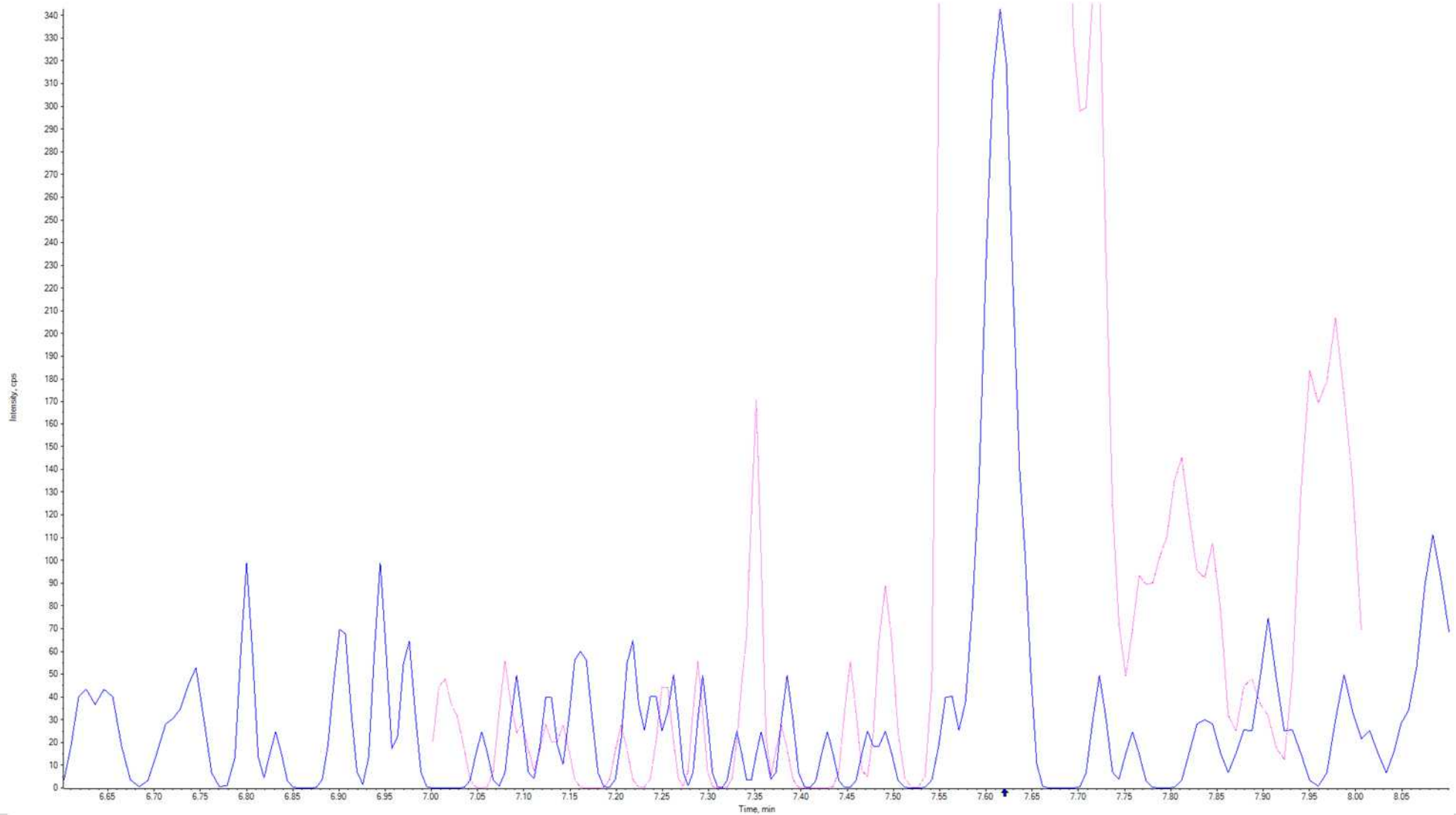
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

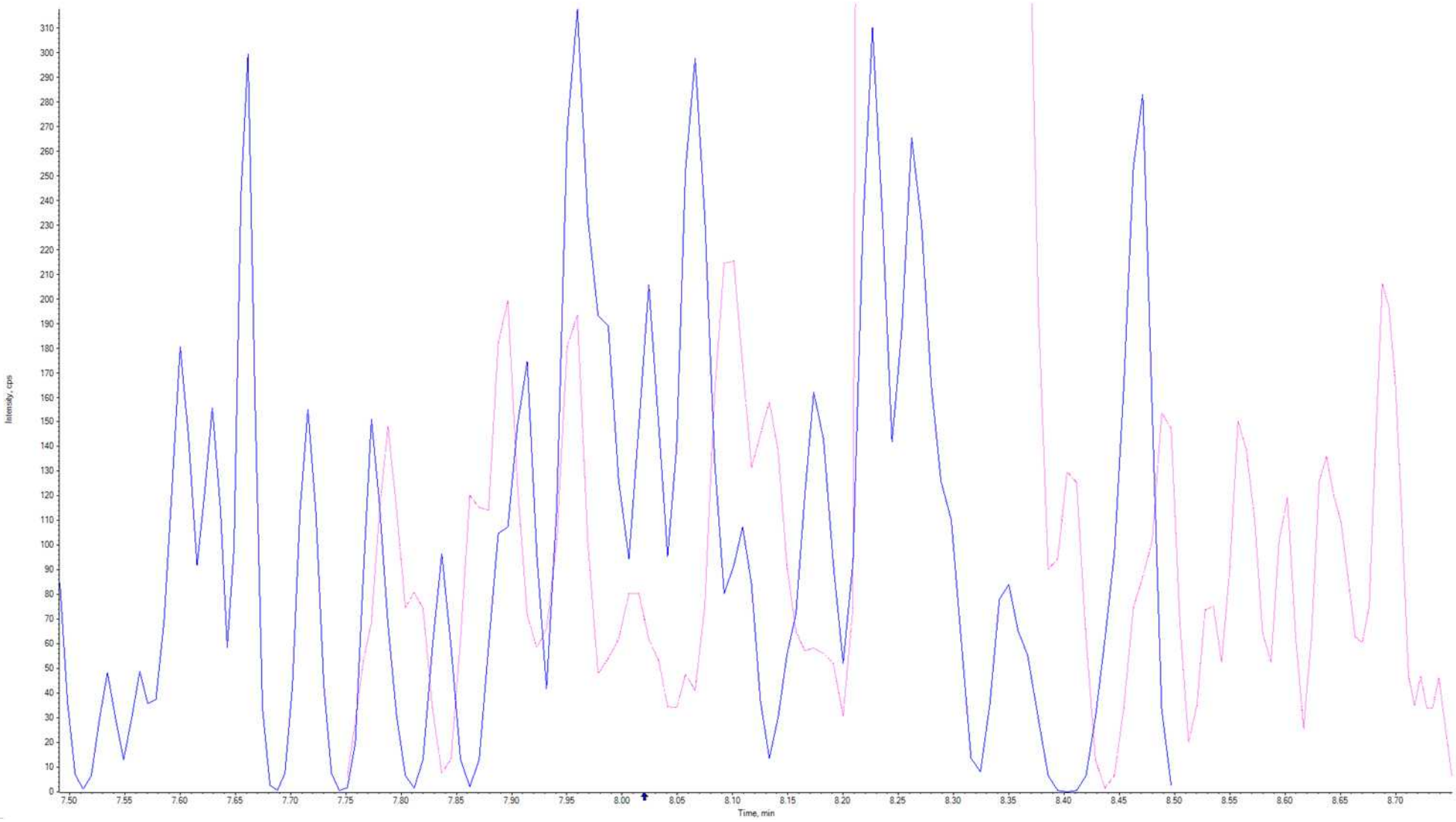


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

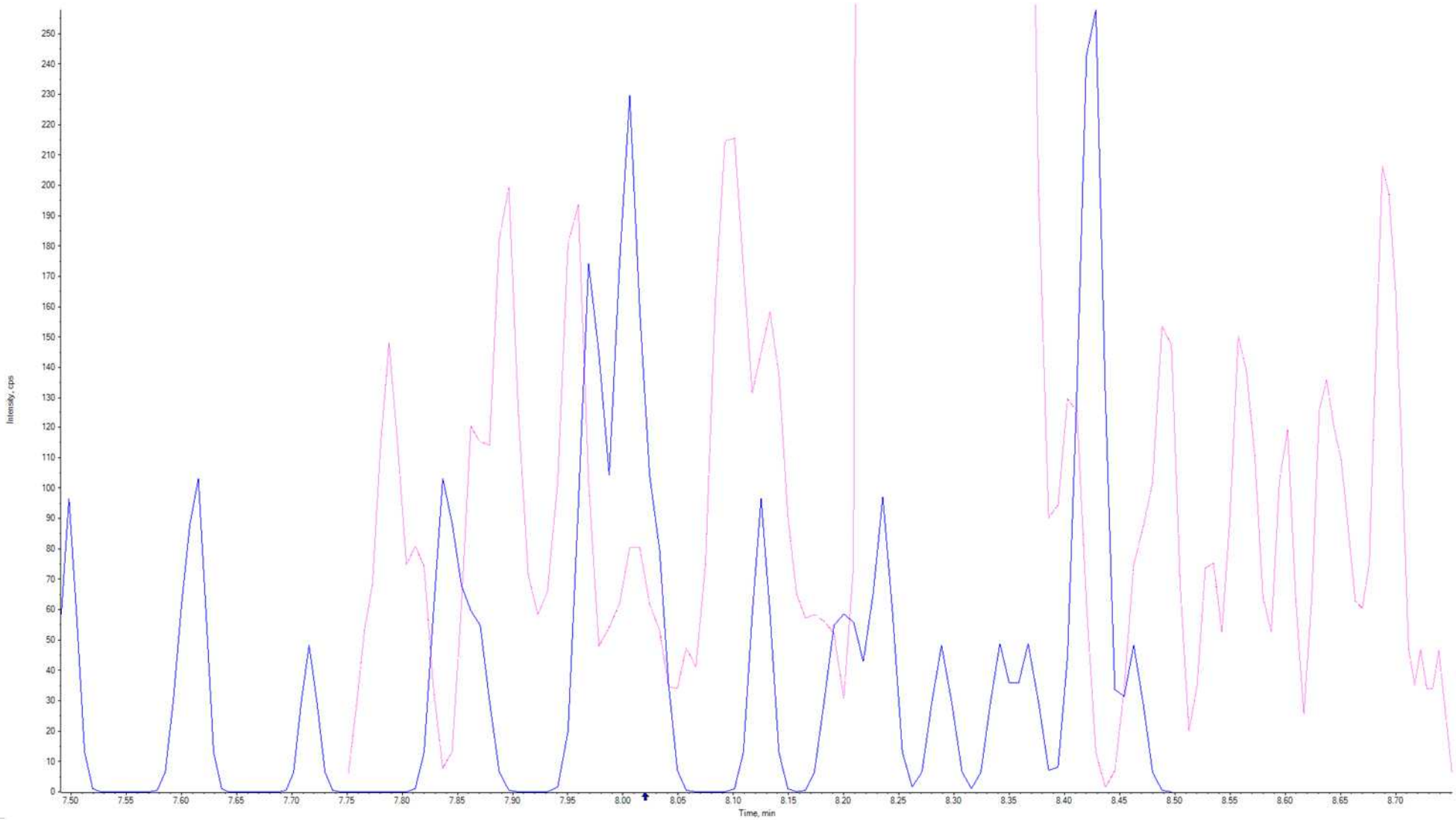


PFHpS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



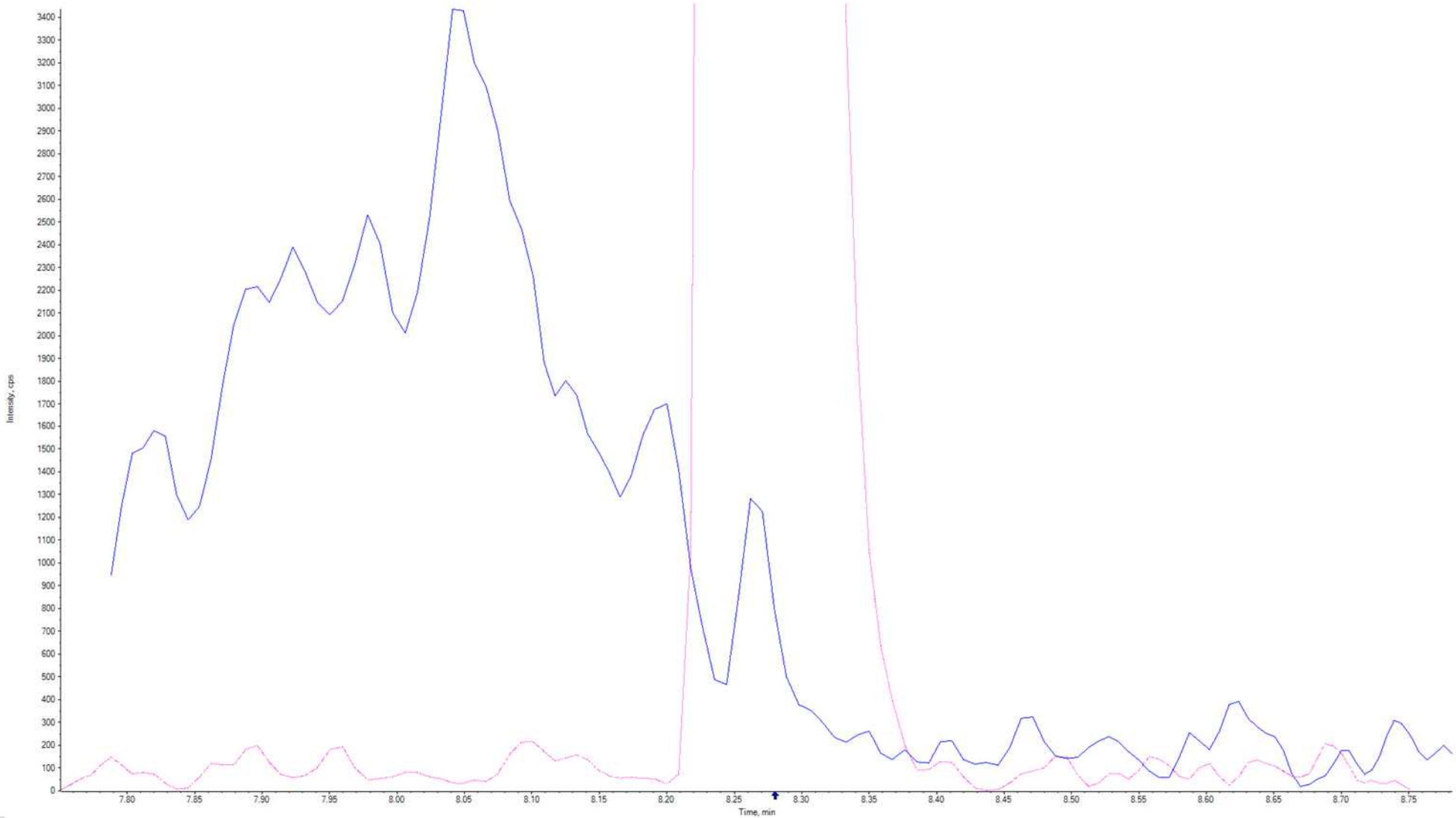
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



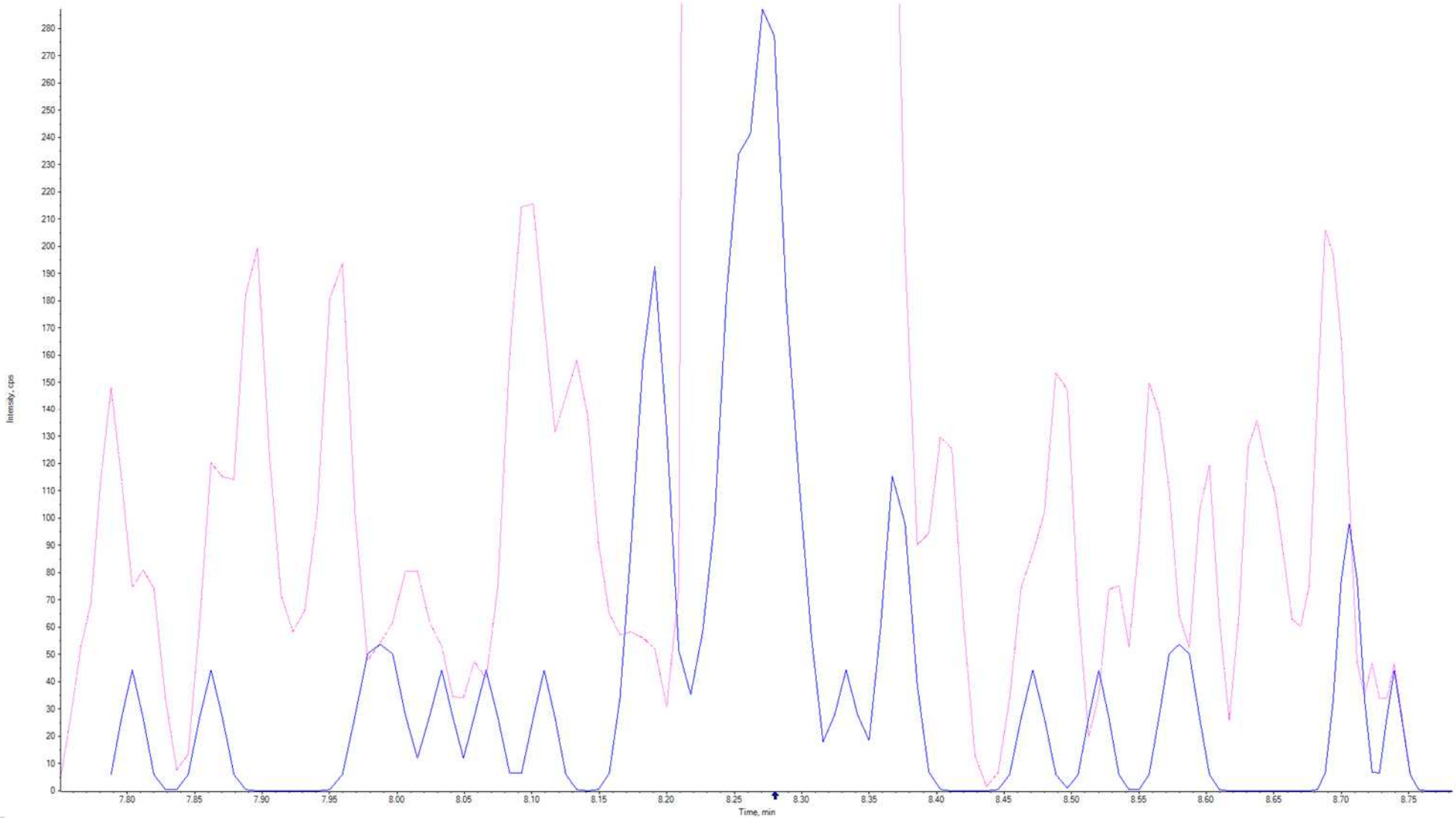
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



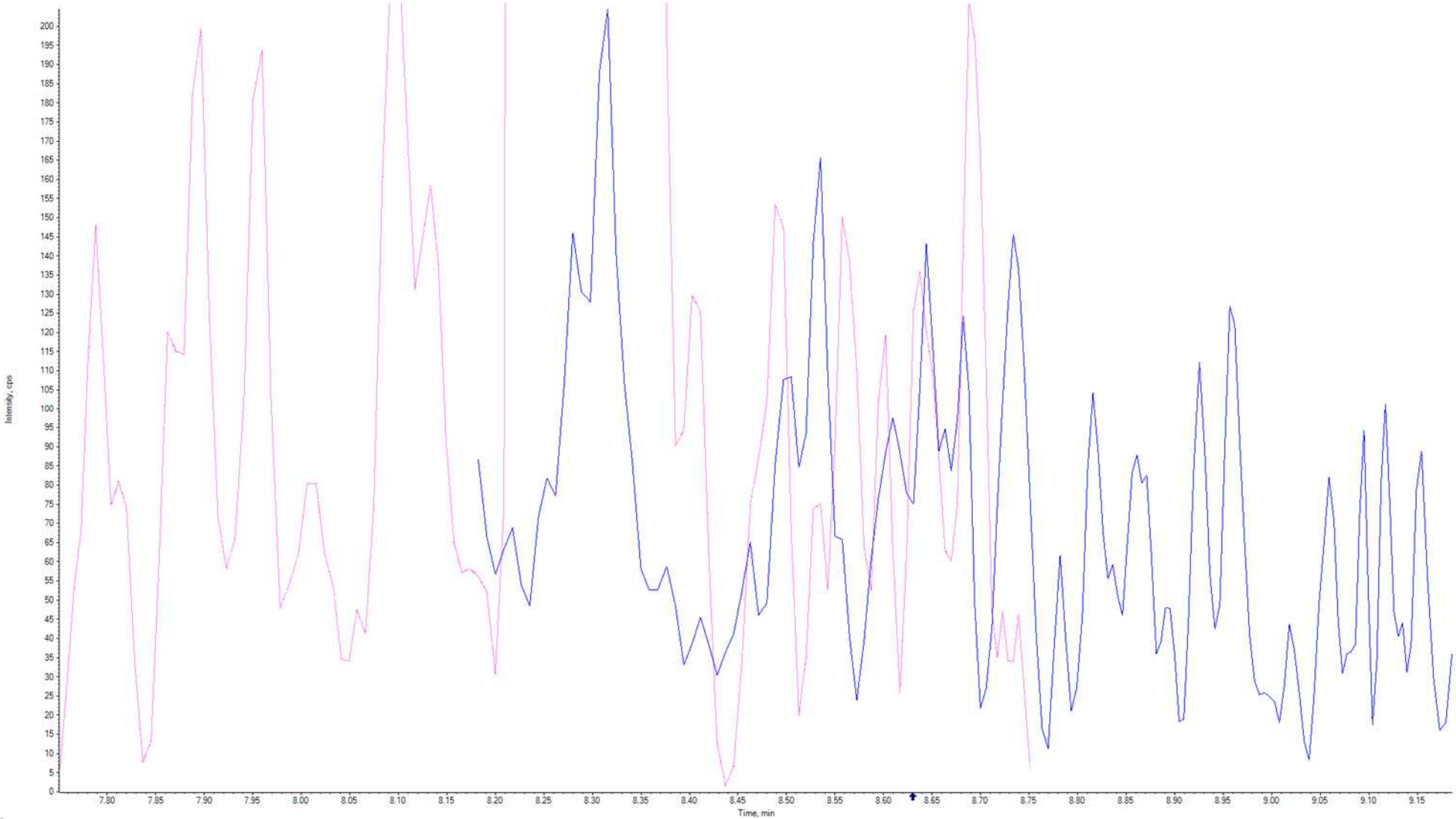
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



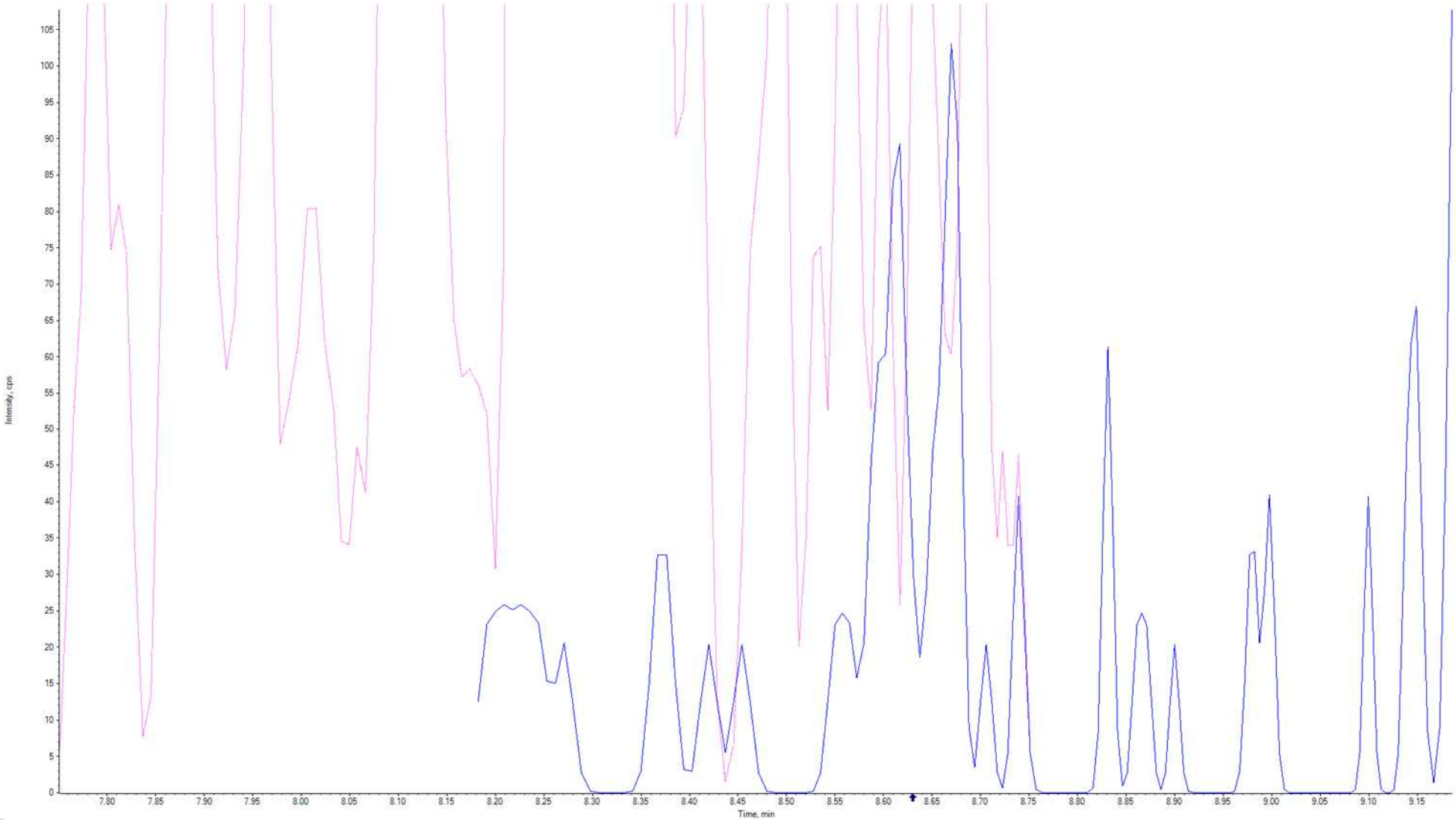
PFNS

Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



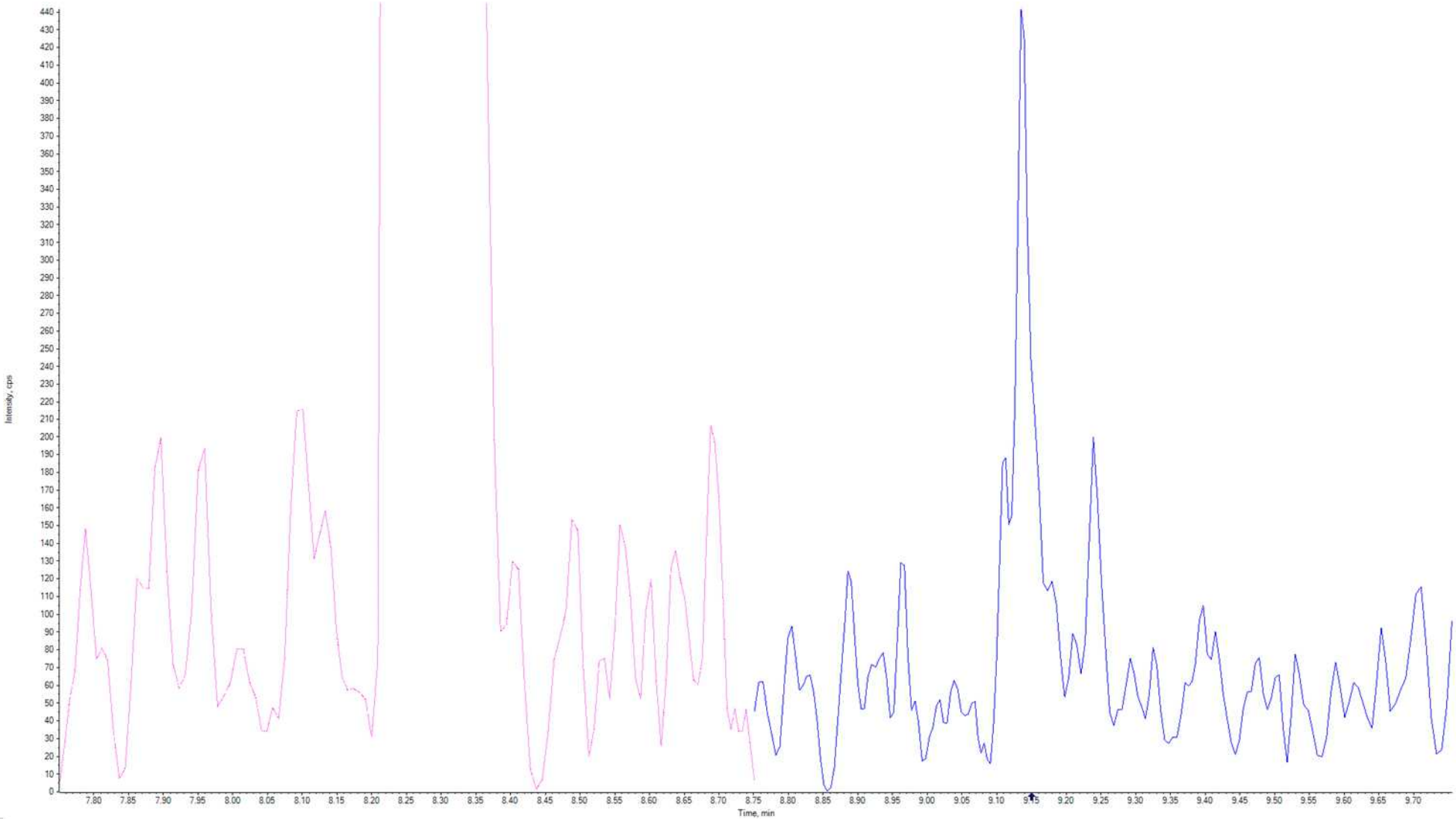
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



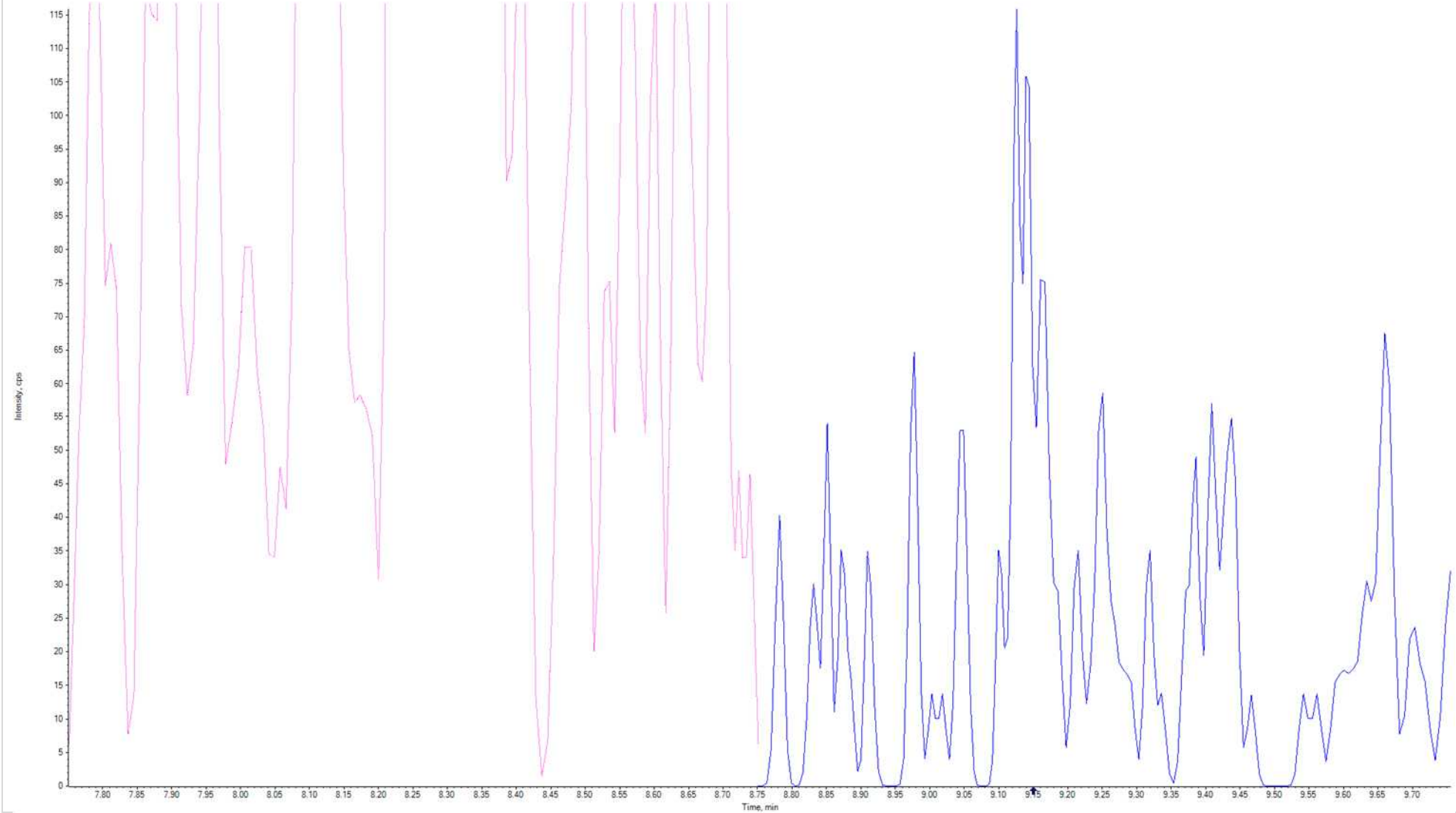
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



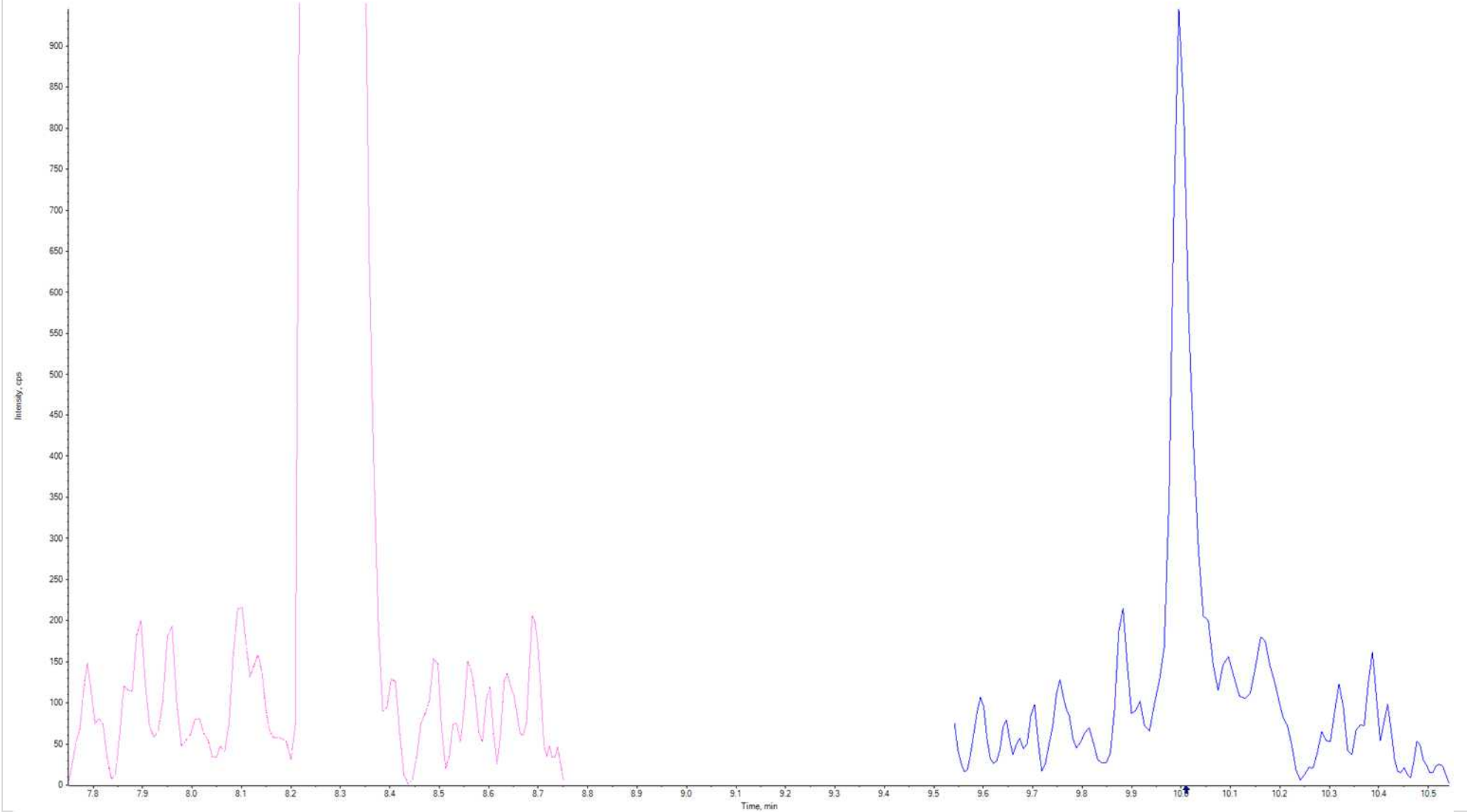
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



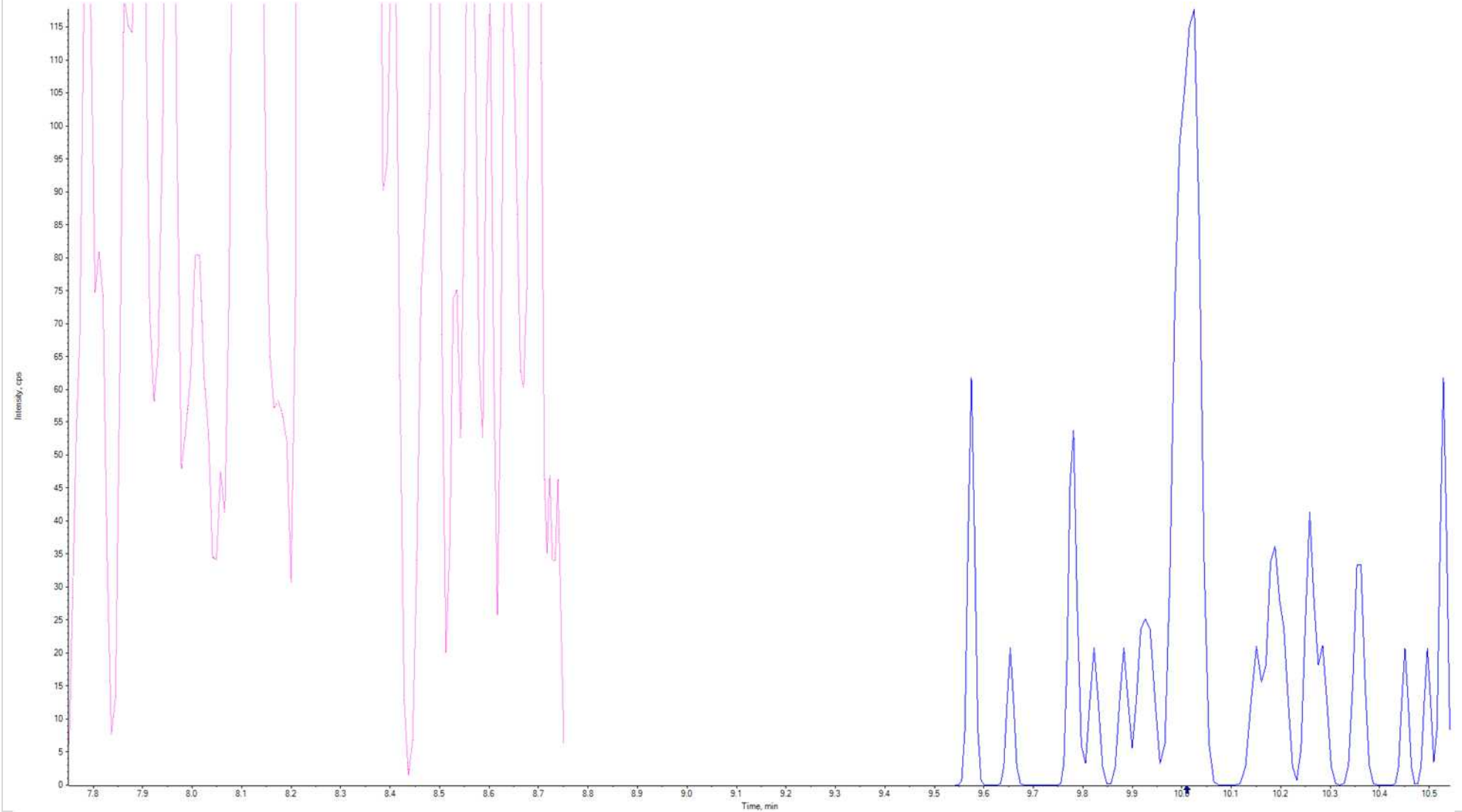
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



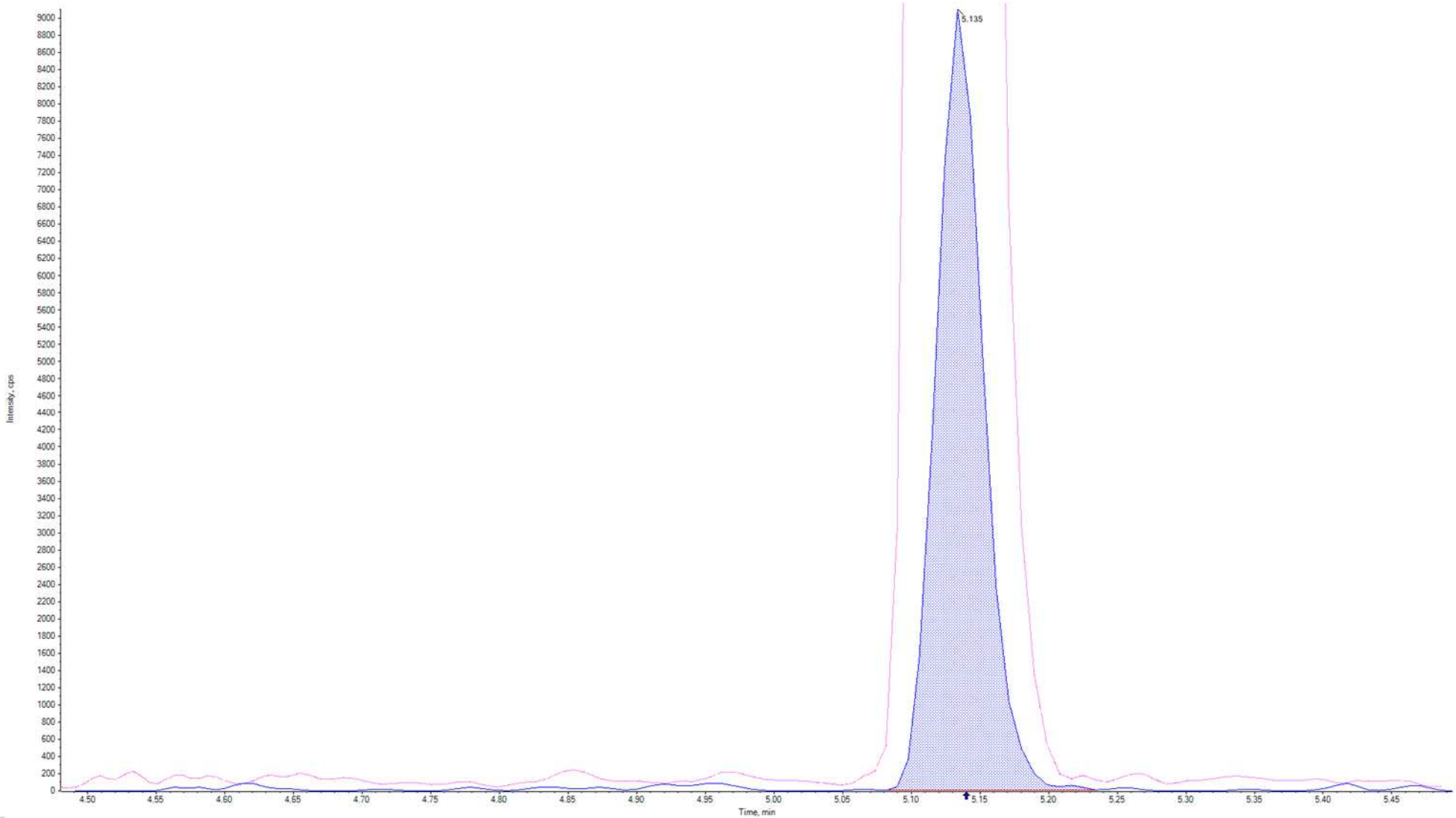
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



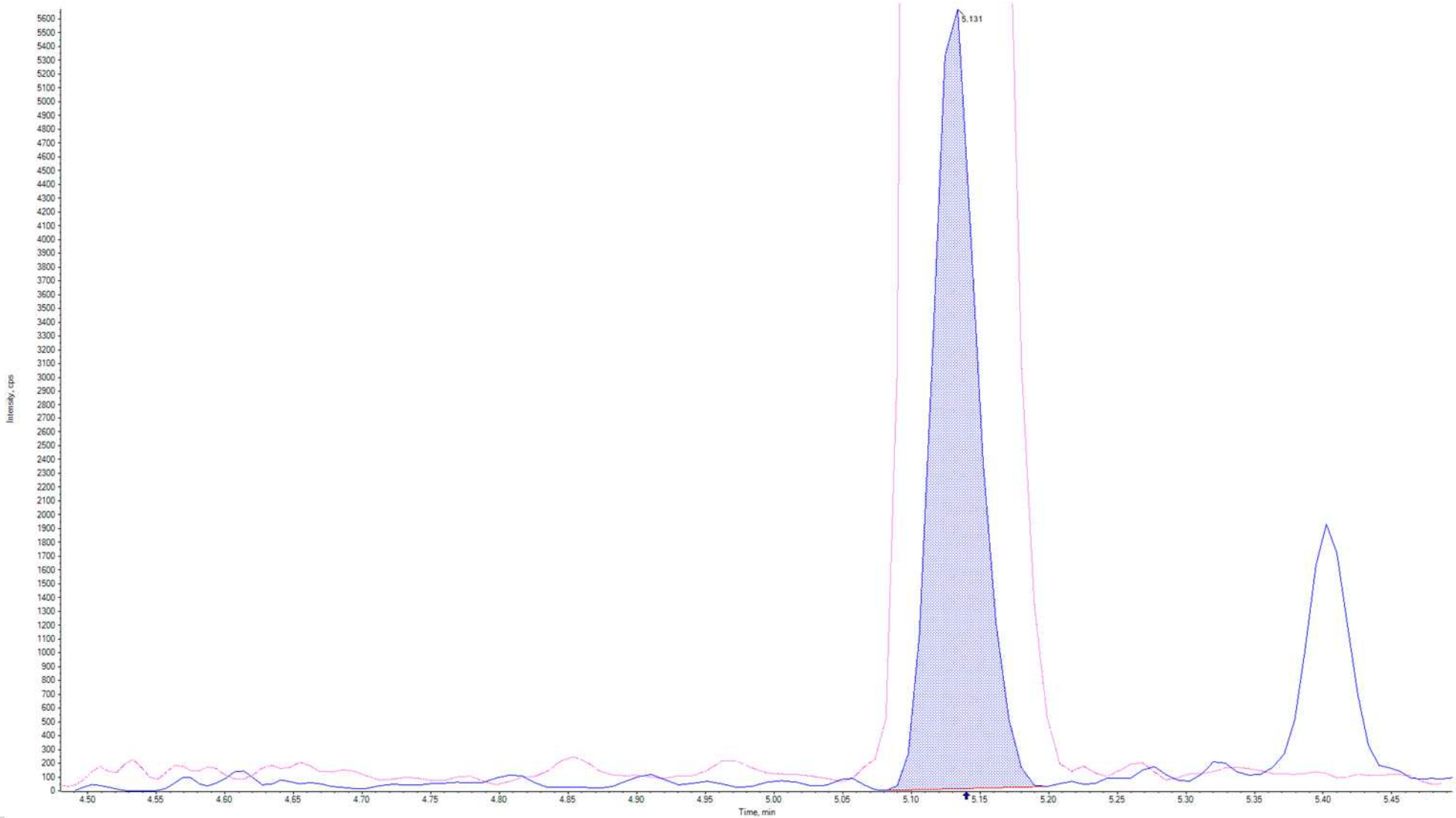
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS
Sample: WG1958909-2,INSTBLANK S/N:531.3 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS_2
Sample: WG1958909-2,INSTBLANK S/N:2413.8 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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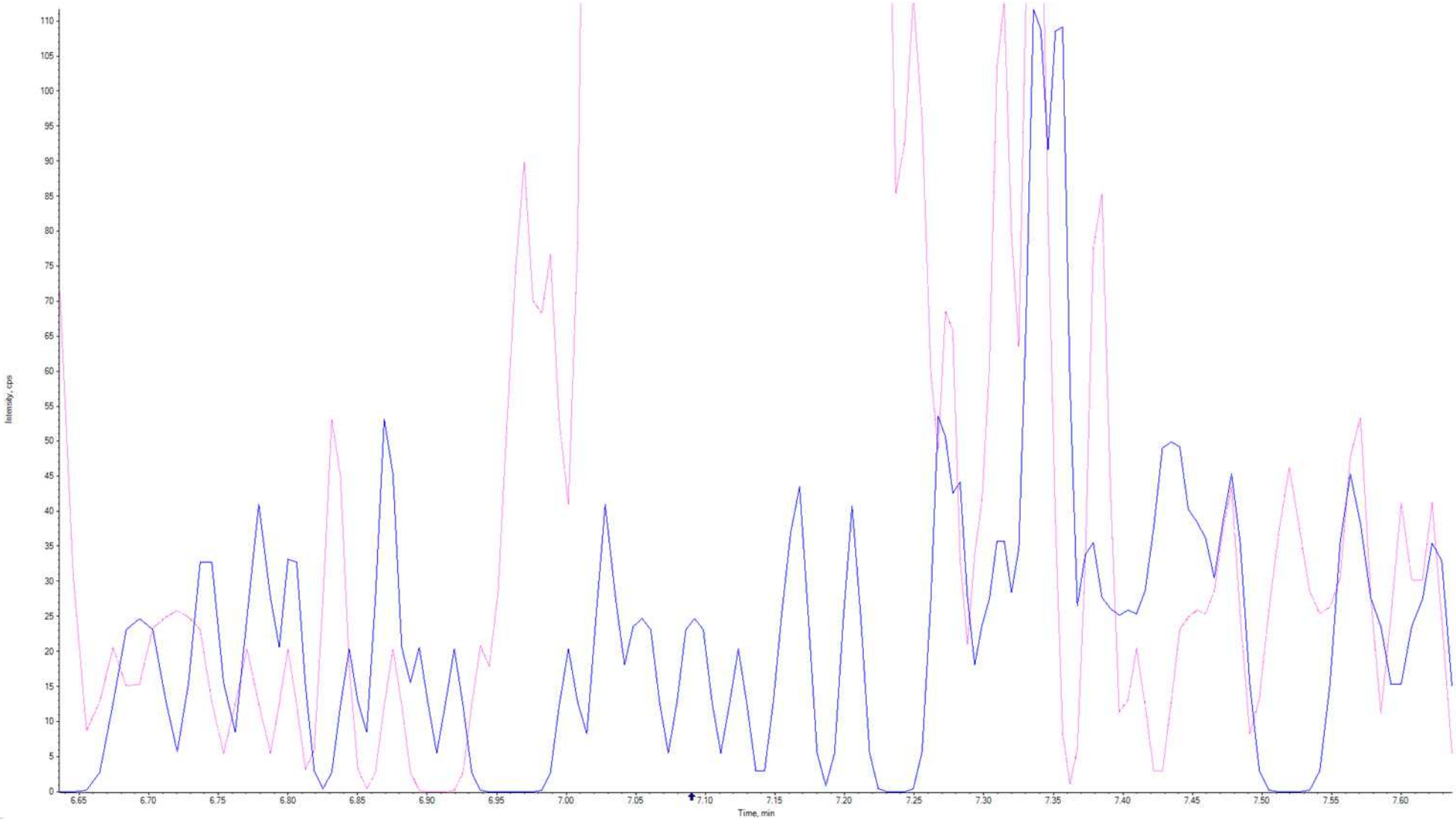
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS_2
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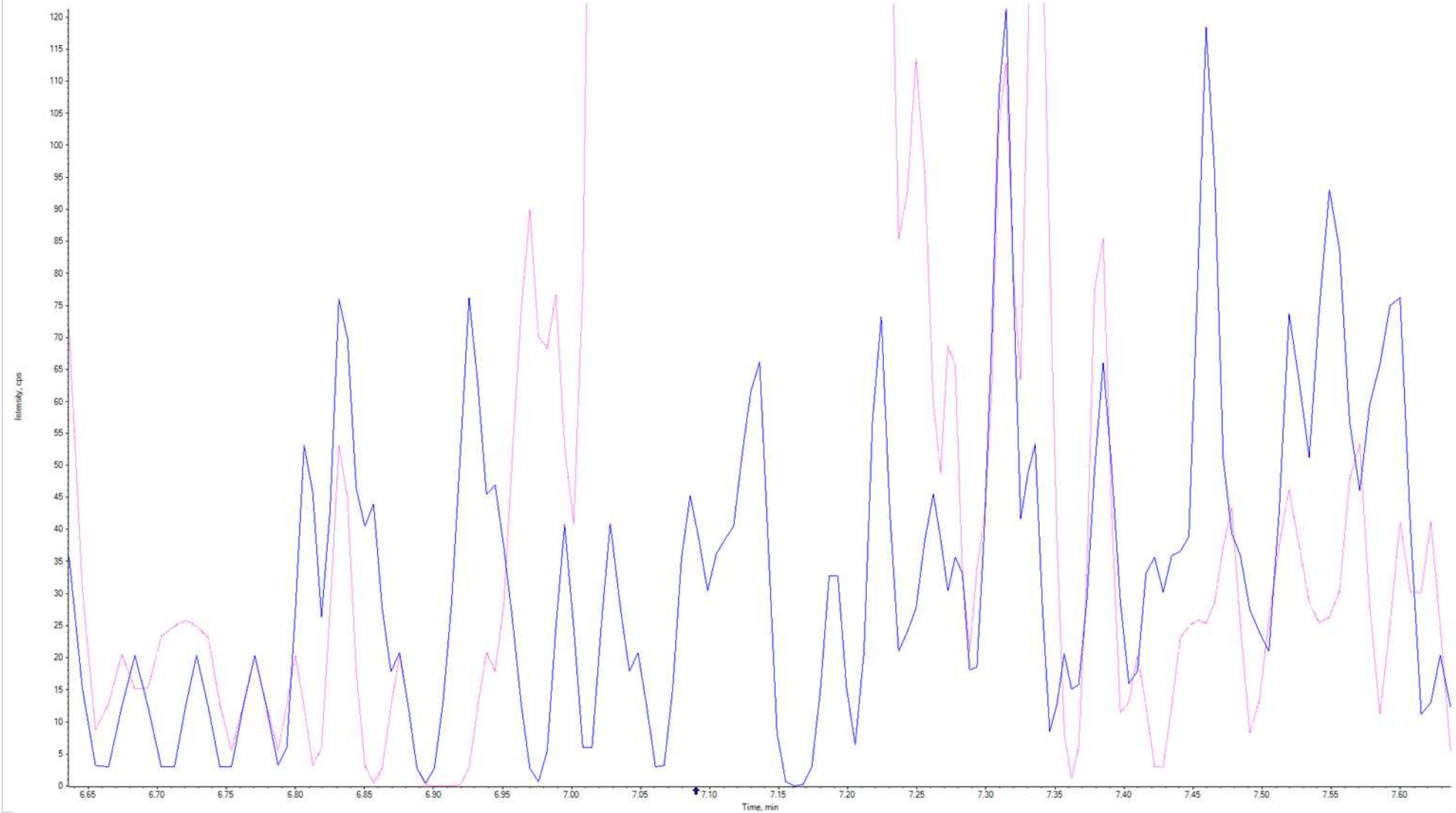
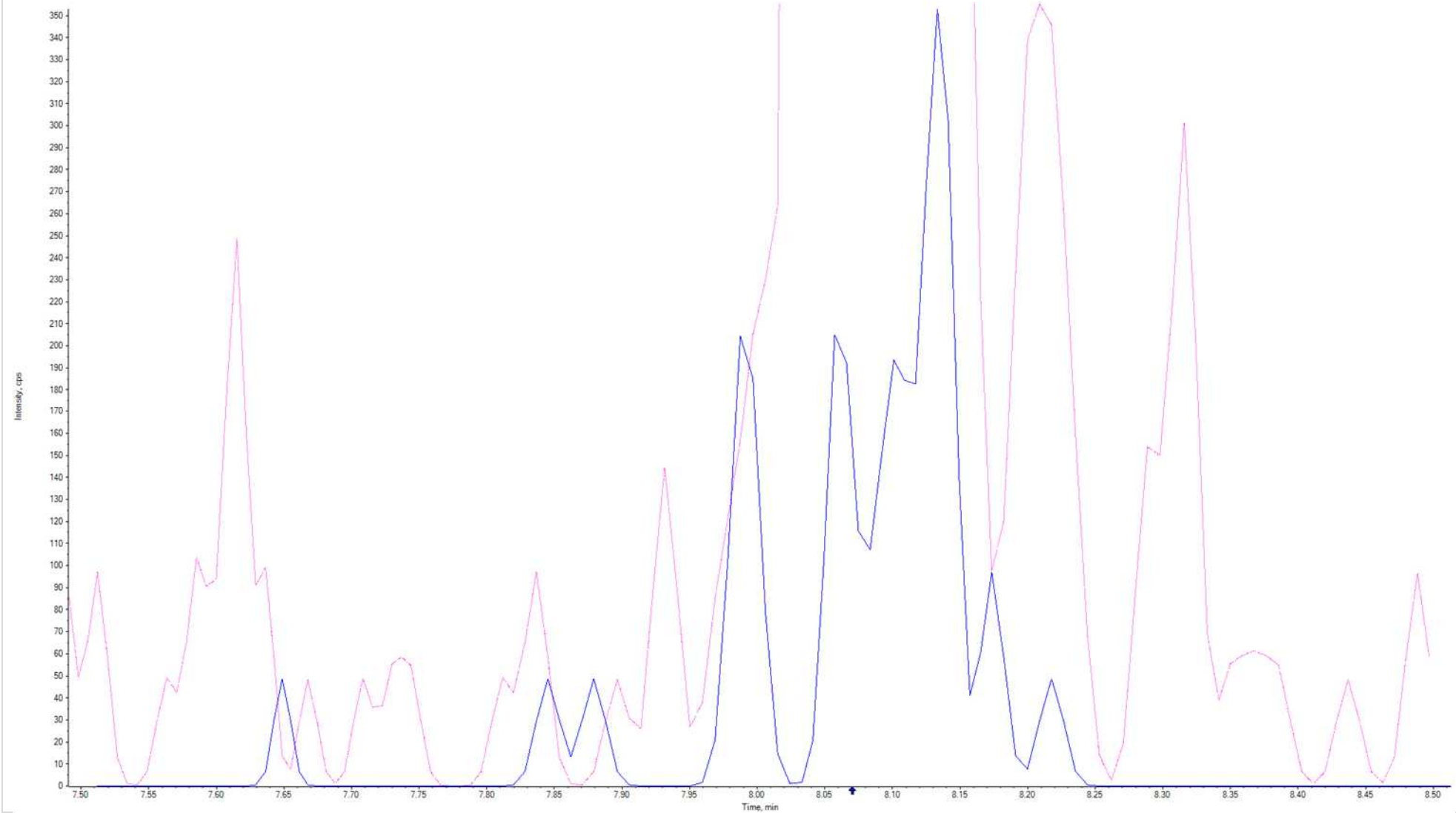


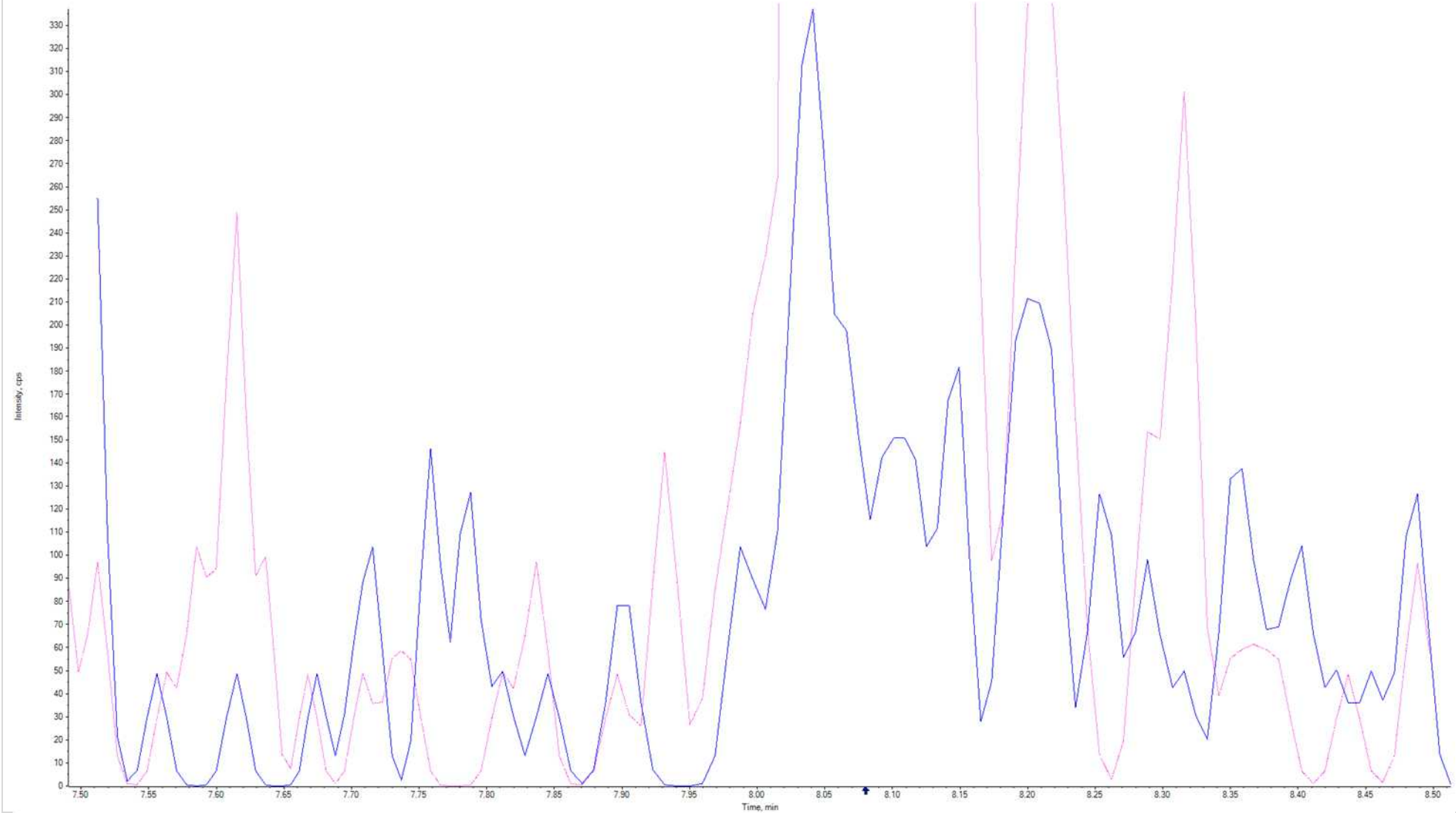
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



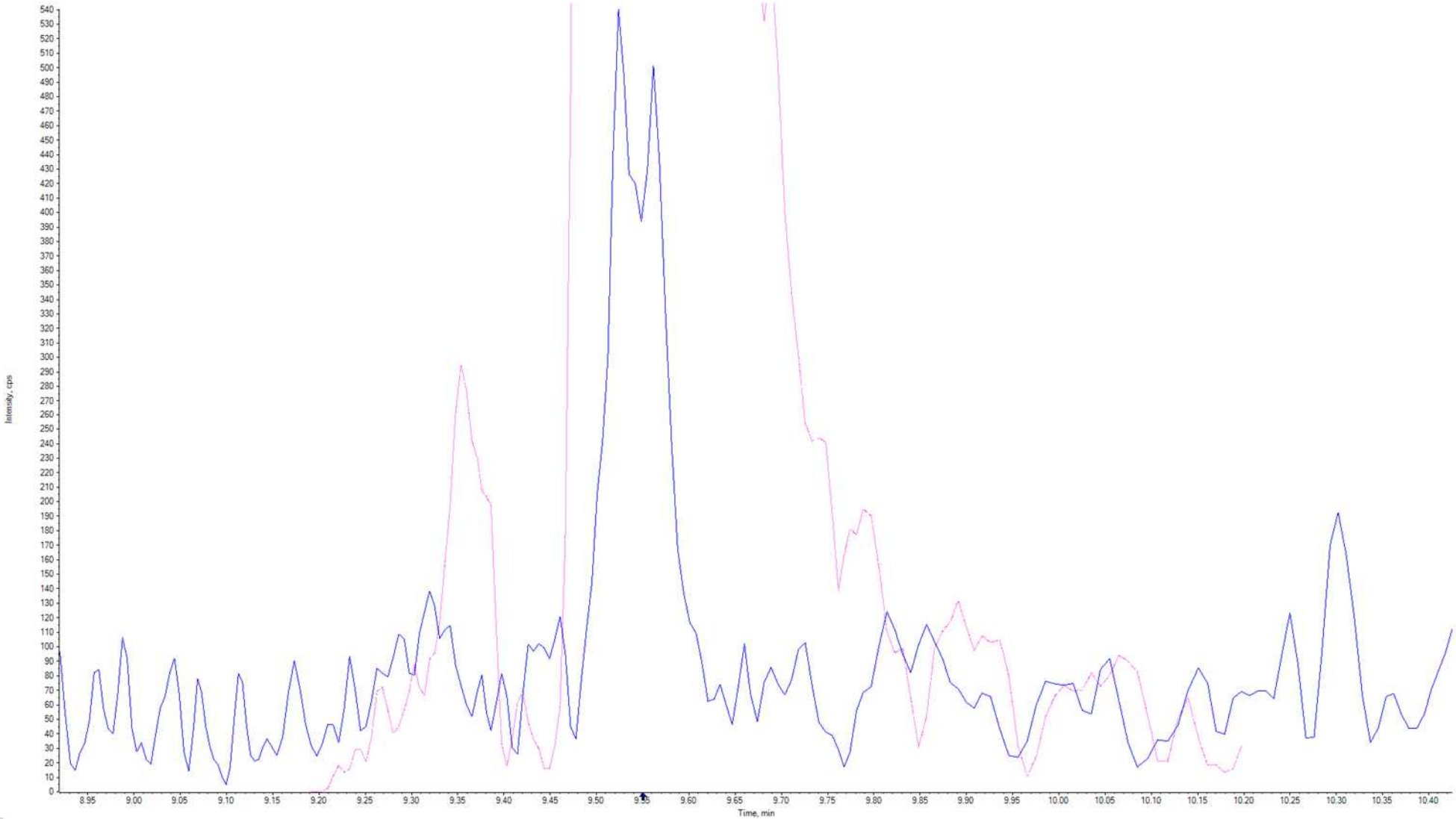
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



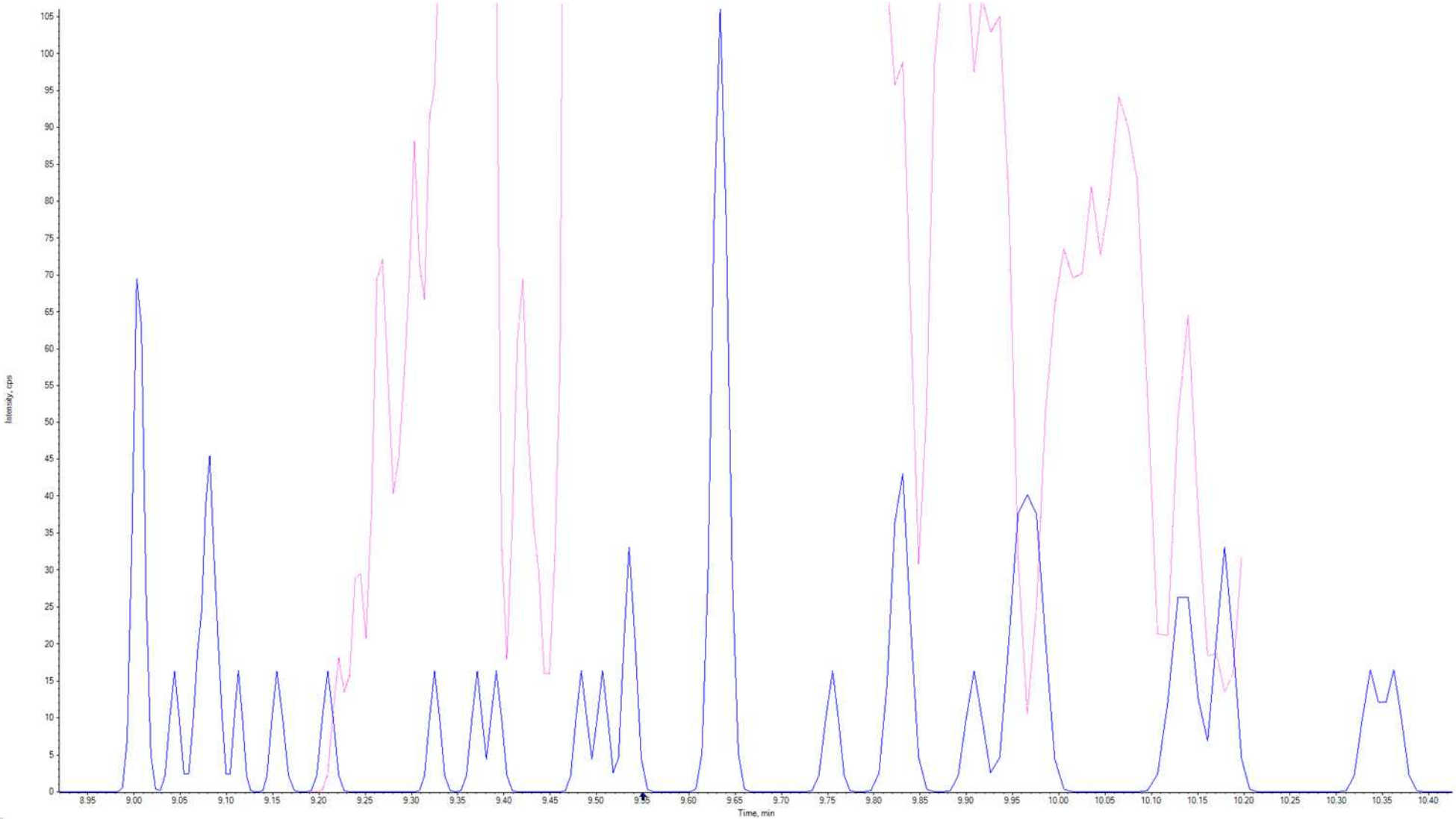
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



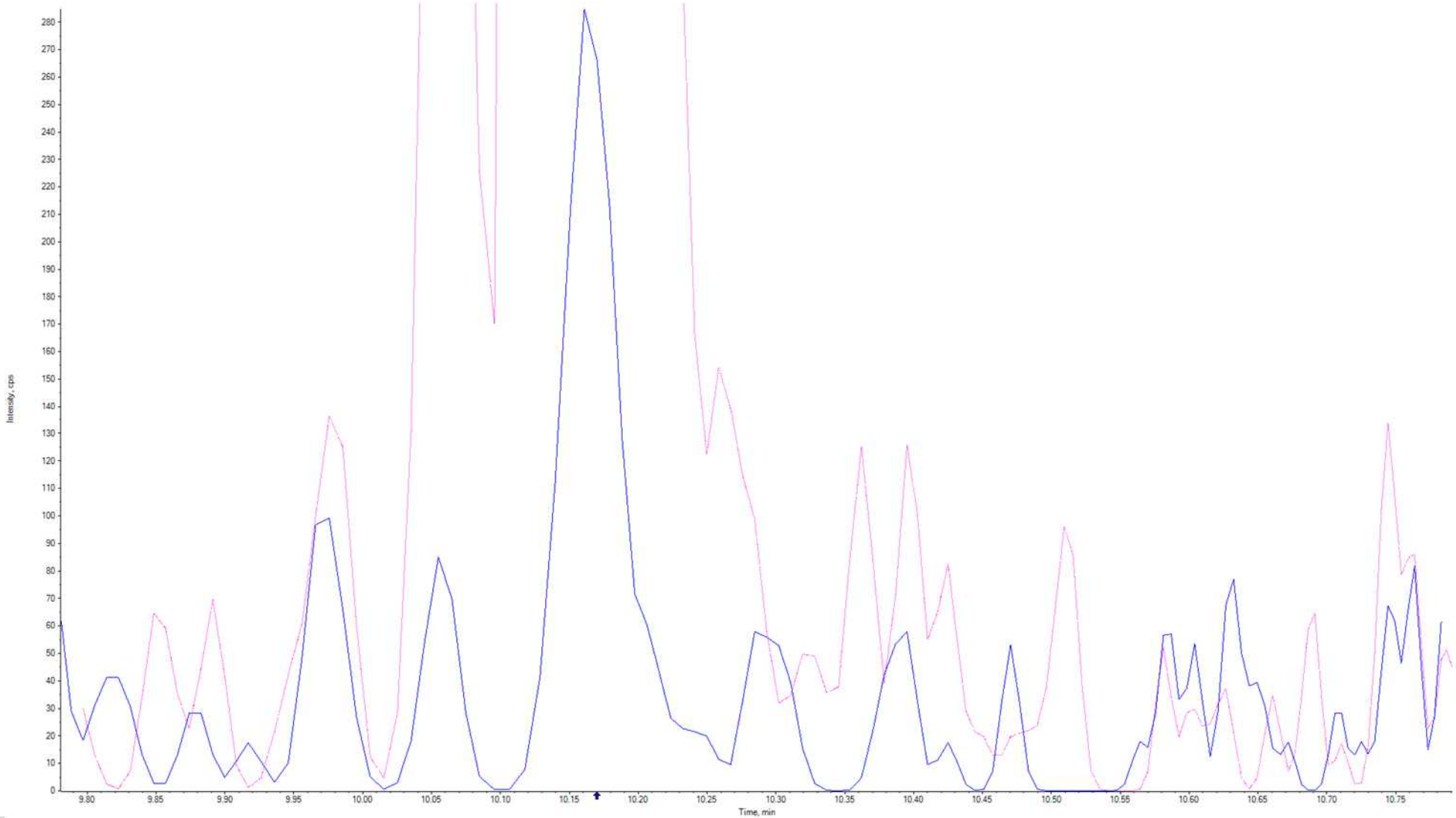
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

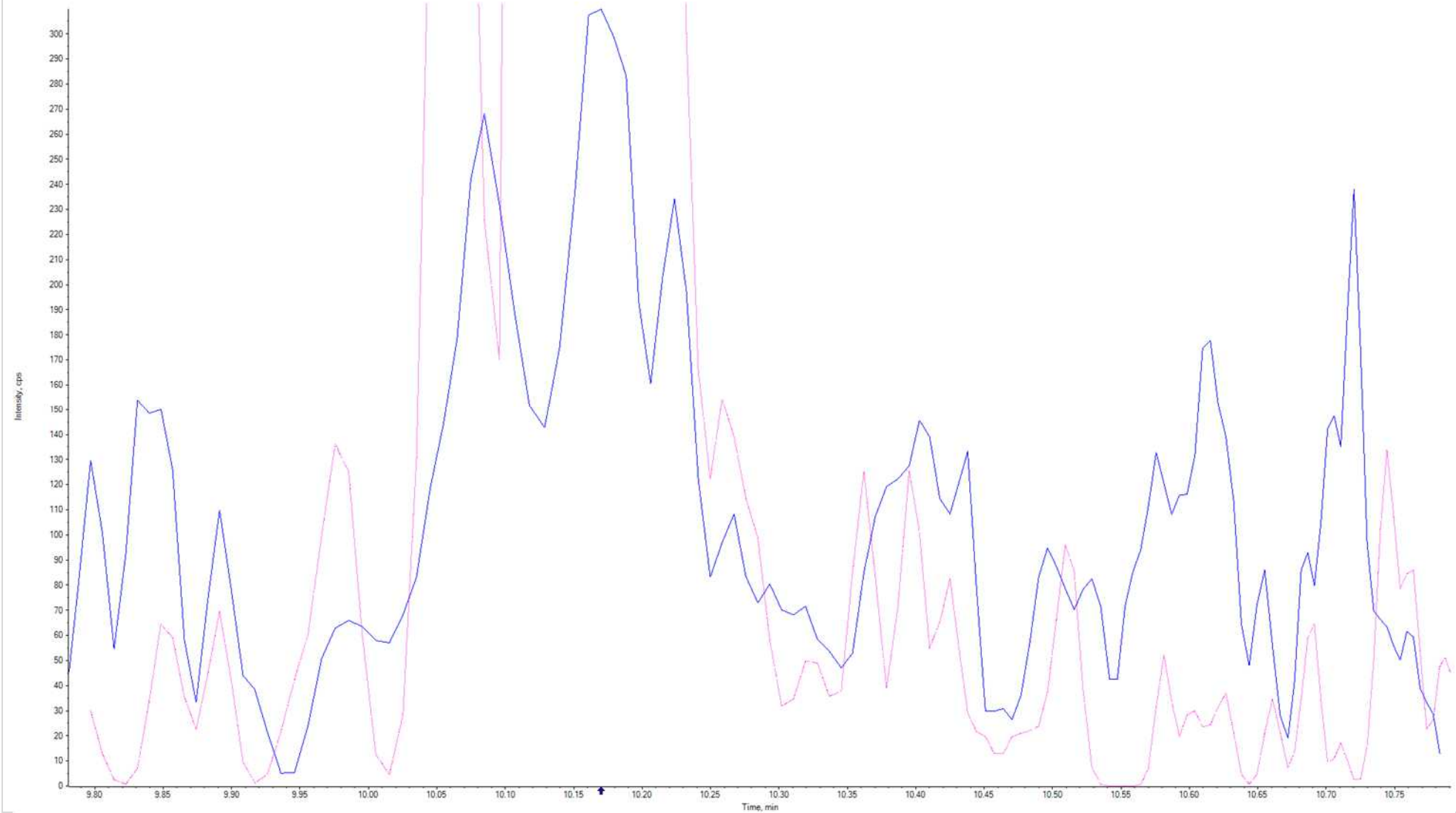


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

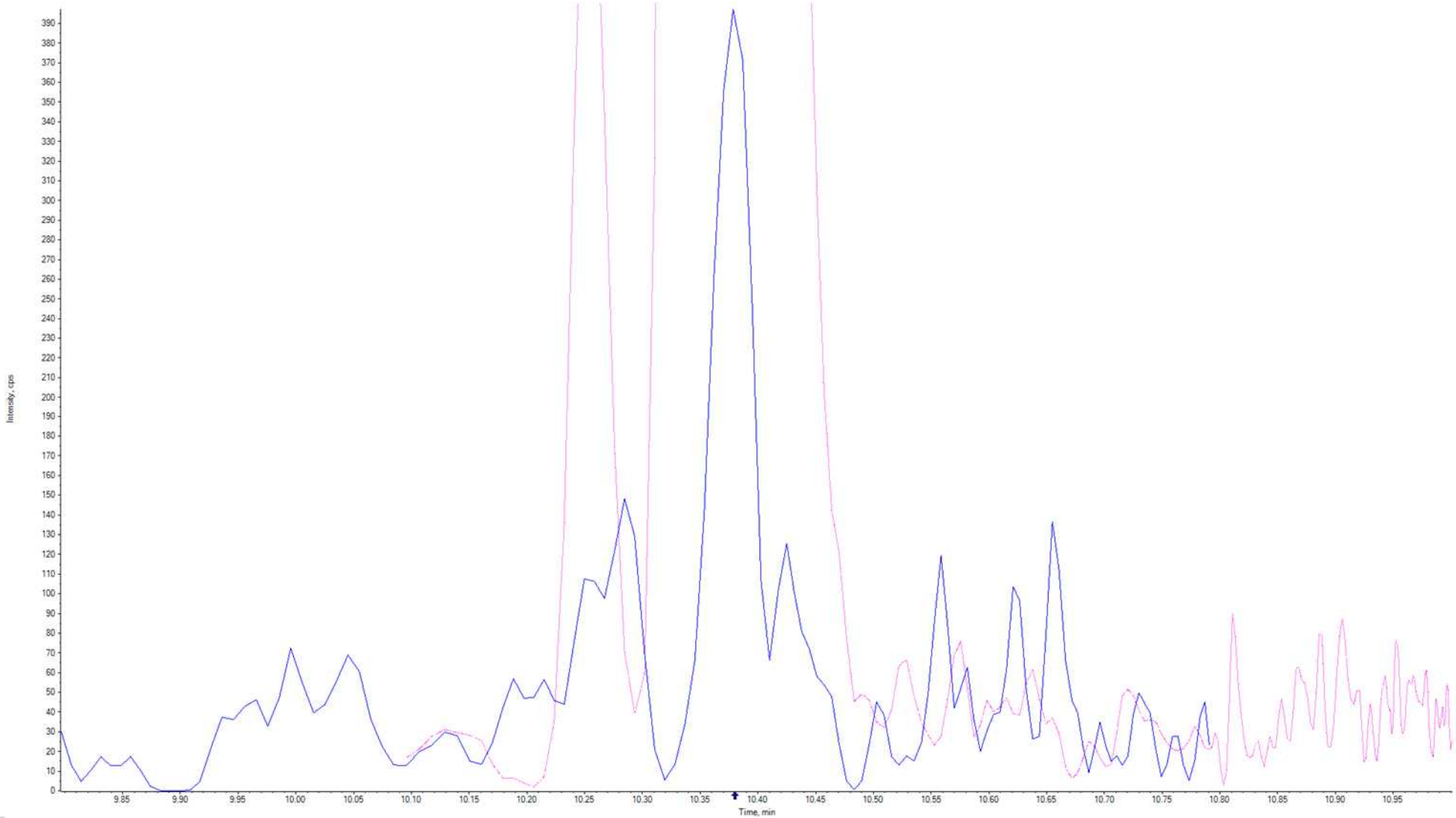


NMeFOSA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



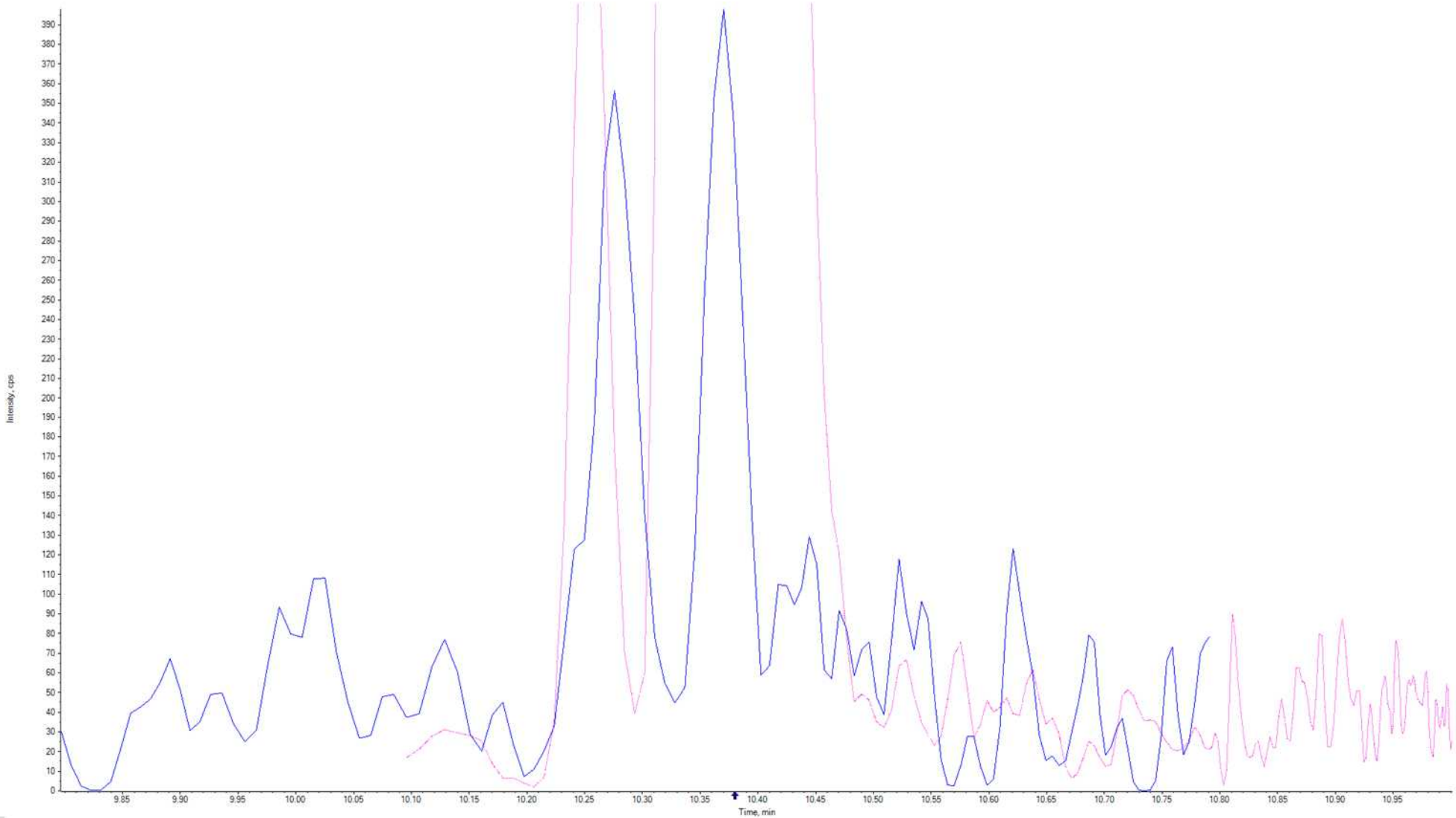
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



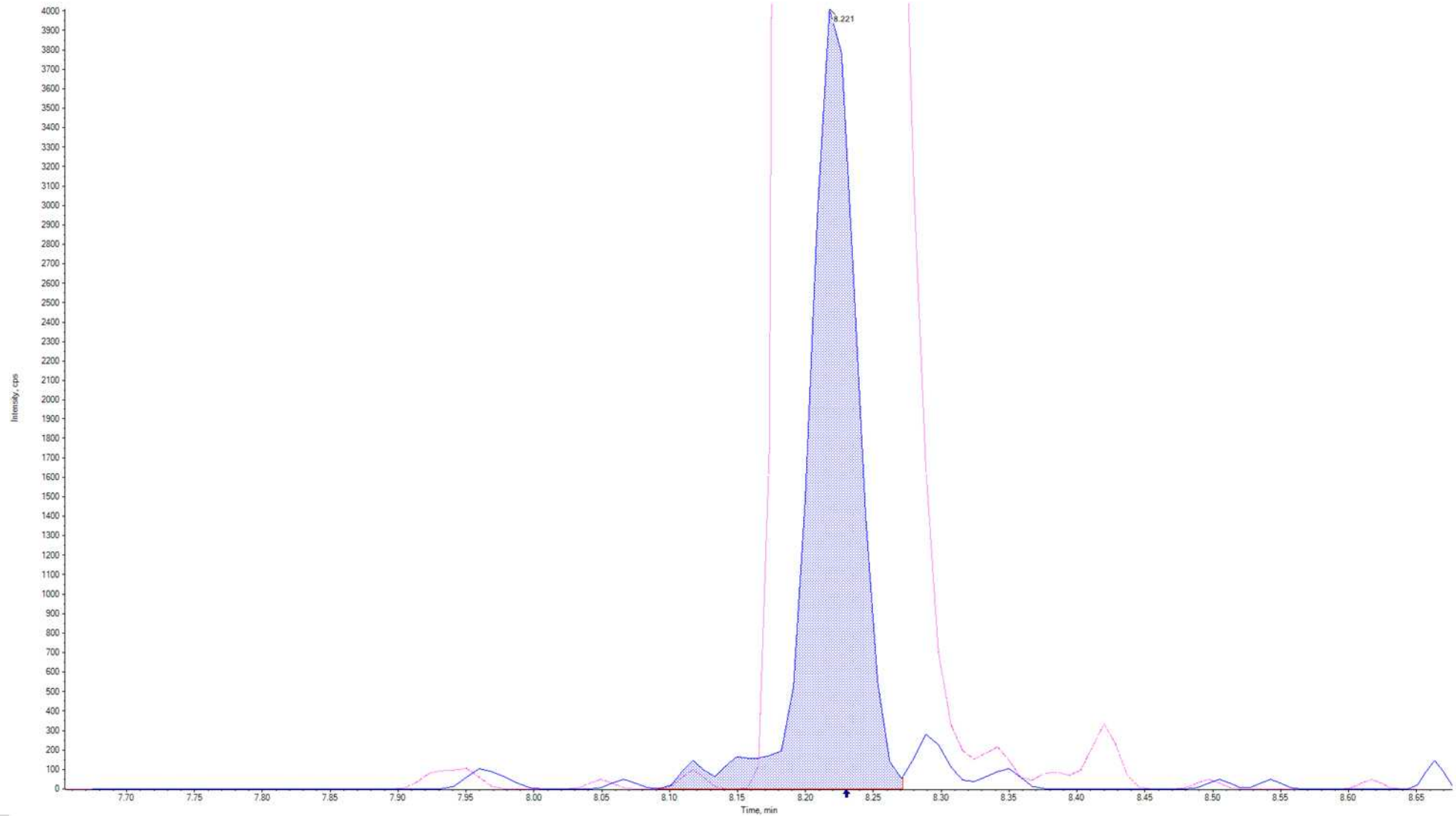
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



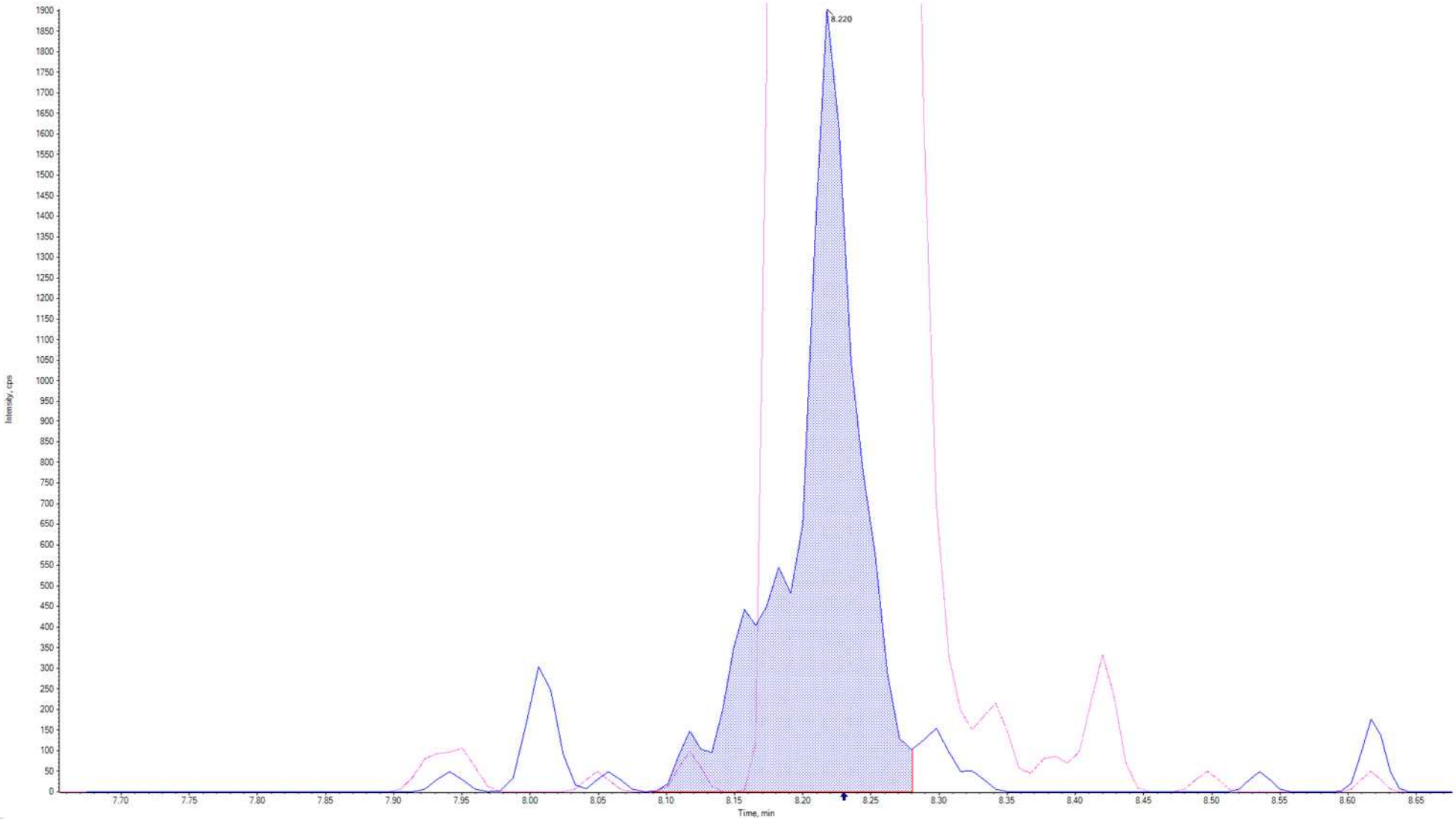
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA
Sample: WG1958909-2,INSTBLANK S/N:167.2 Points Across peak:24



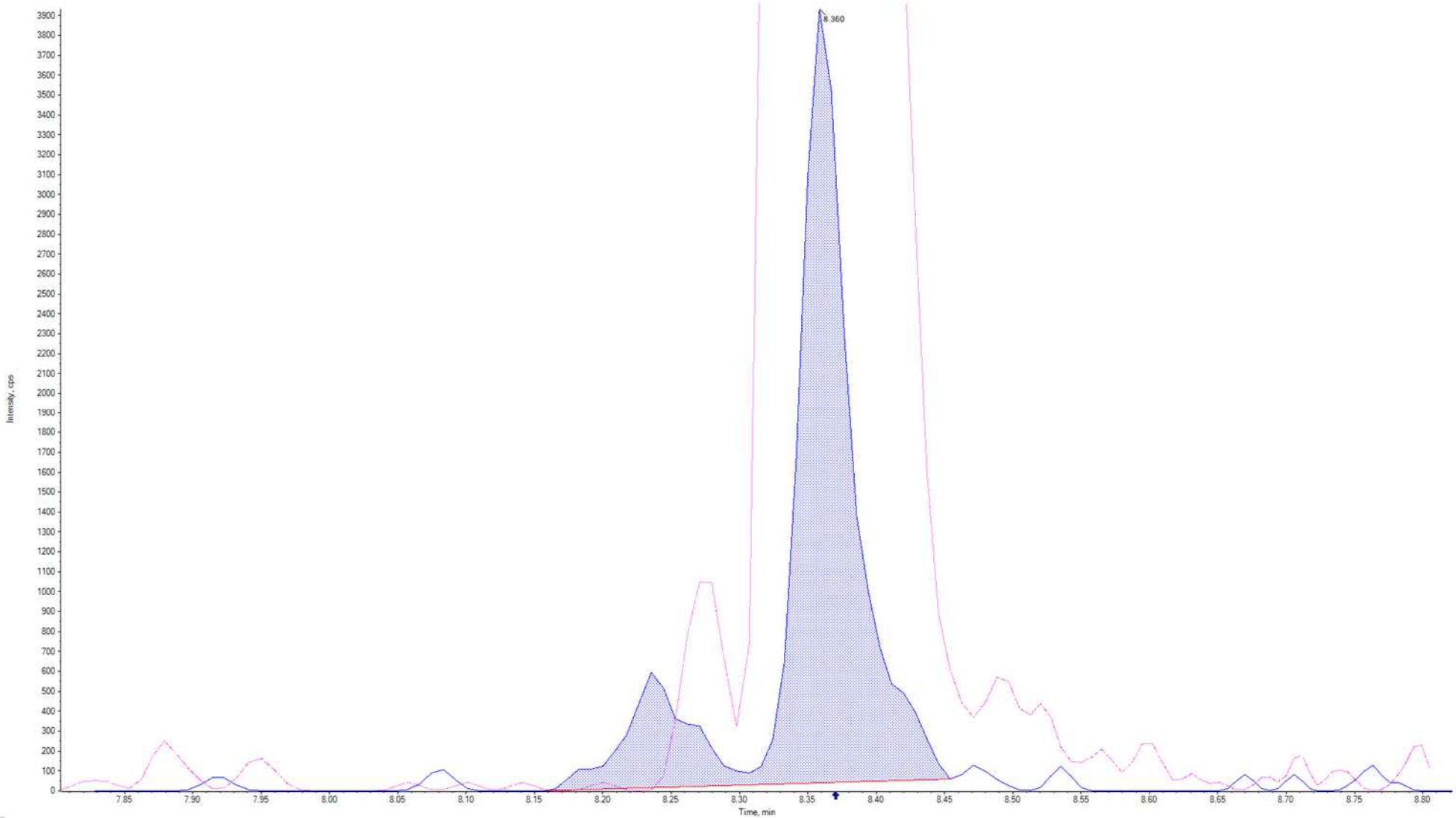
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA_2
Sample: WG1958909-2,INSTBLANK S/N:109.6 Points Across peak:25



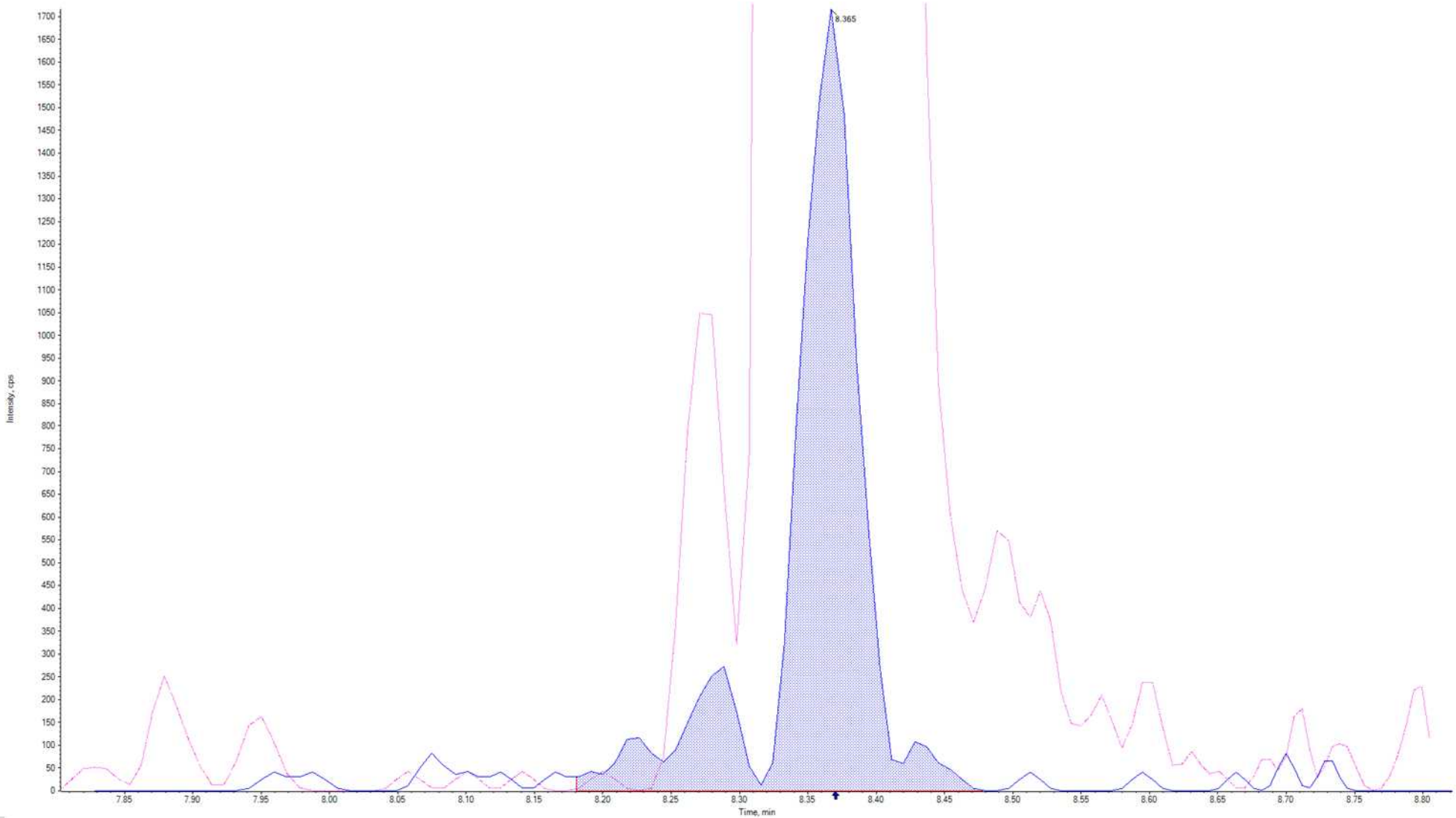
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA
Sample: WG1958909-2,INSTBLANK S/N:122.2 Points Across peak:35



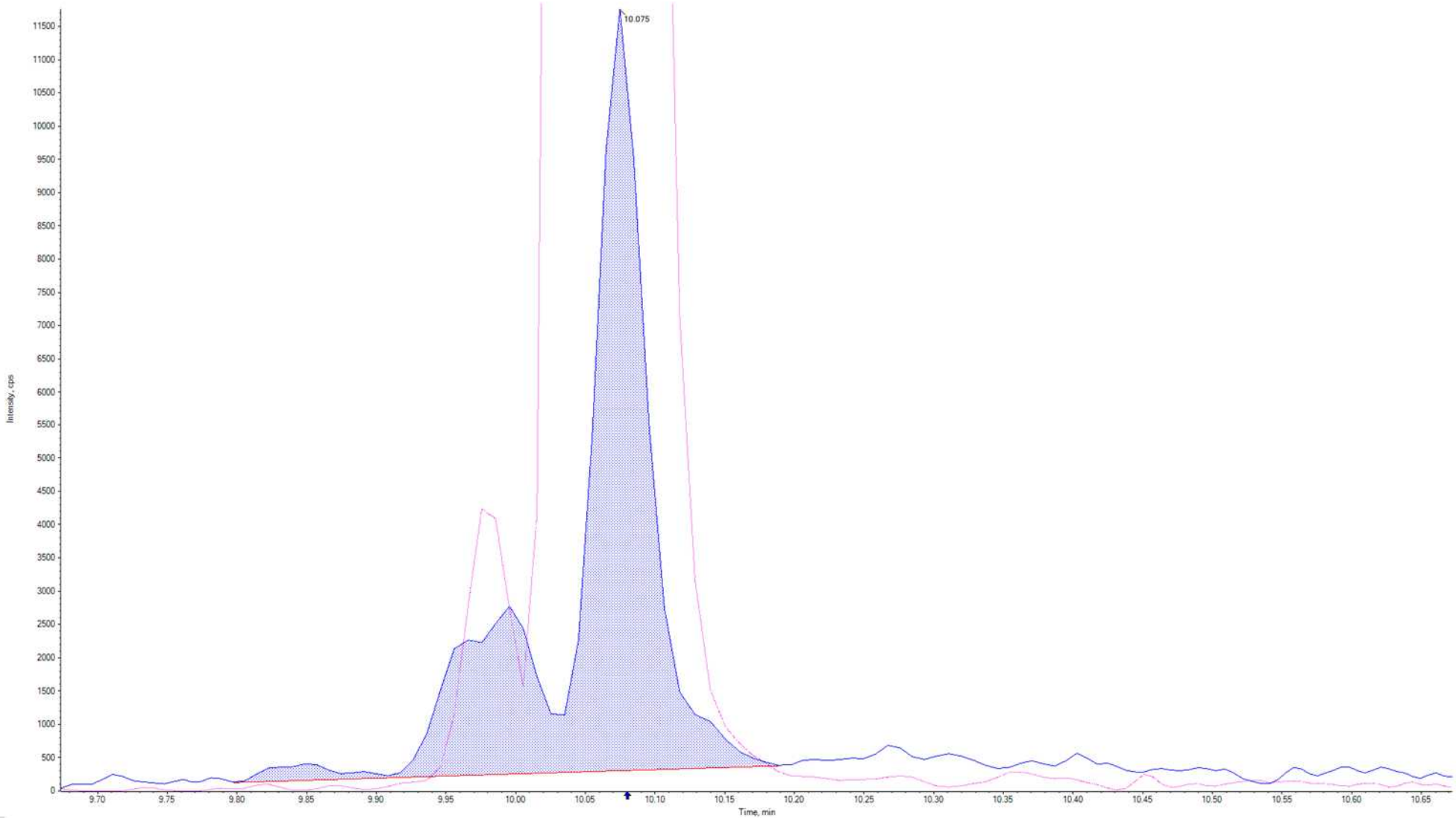
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA_2
Sample: WG1958909-2,INSTBLANK S/N:104.3 Points Across peak:36



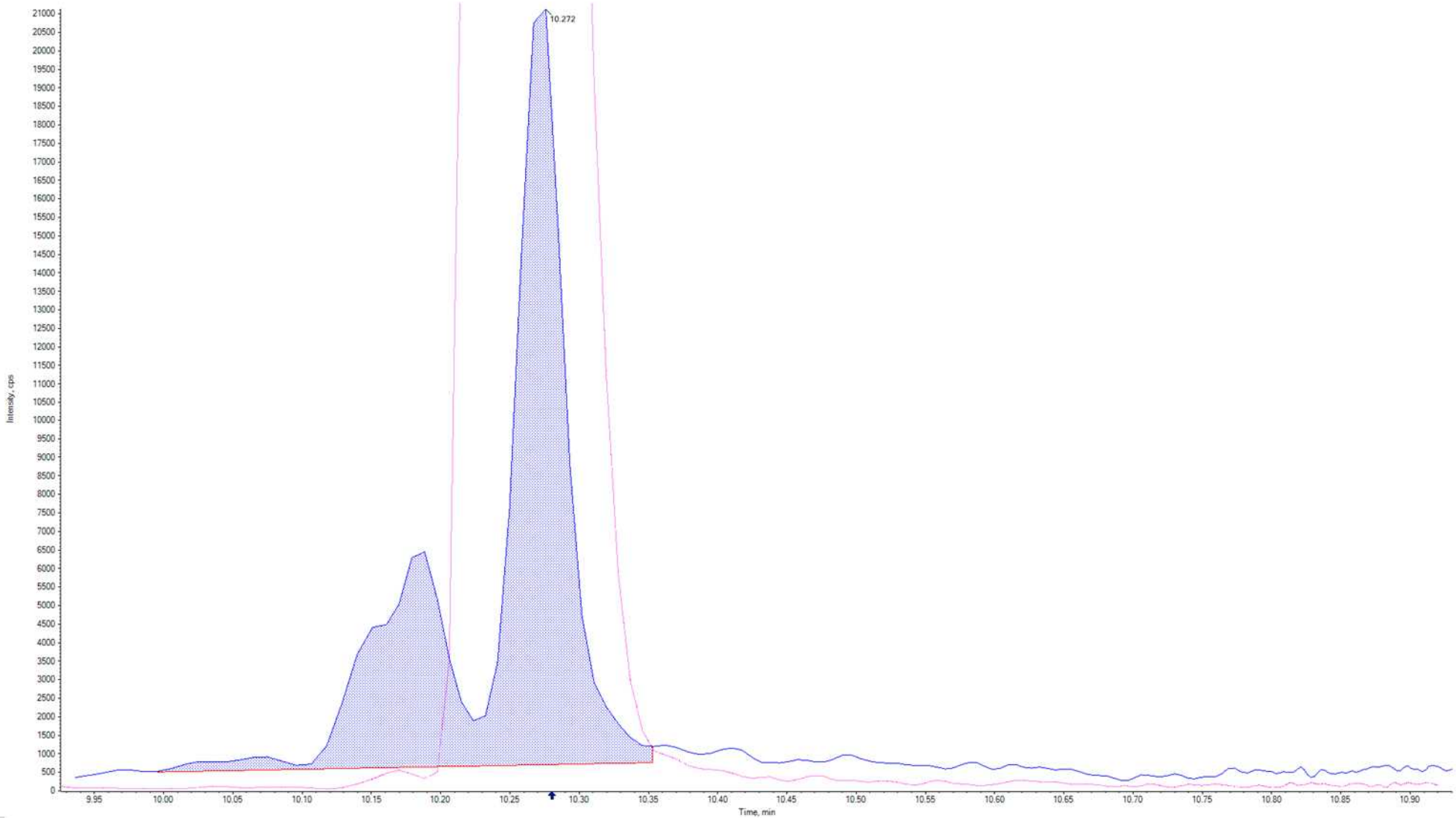
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSE
Sample: WG1958909-2,INSTBLANK S/N:318.3 Points Across peak:43



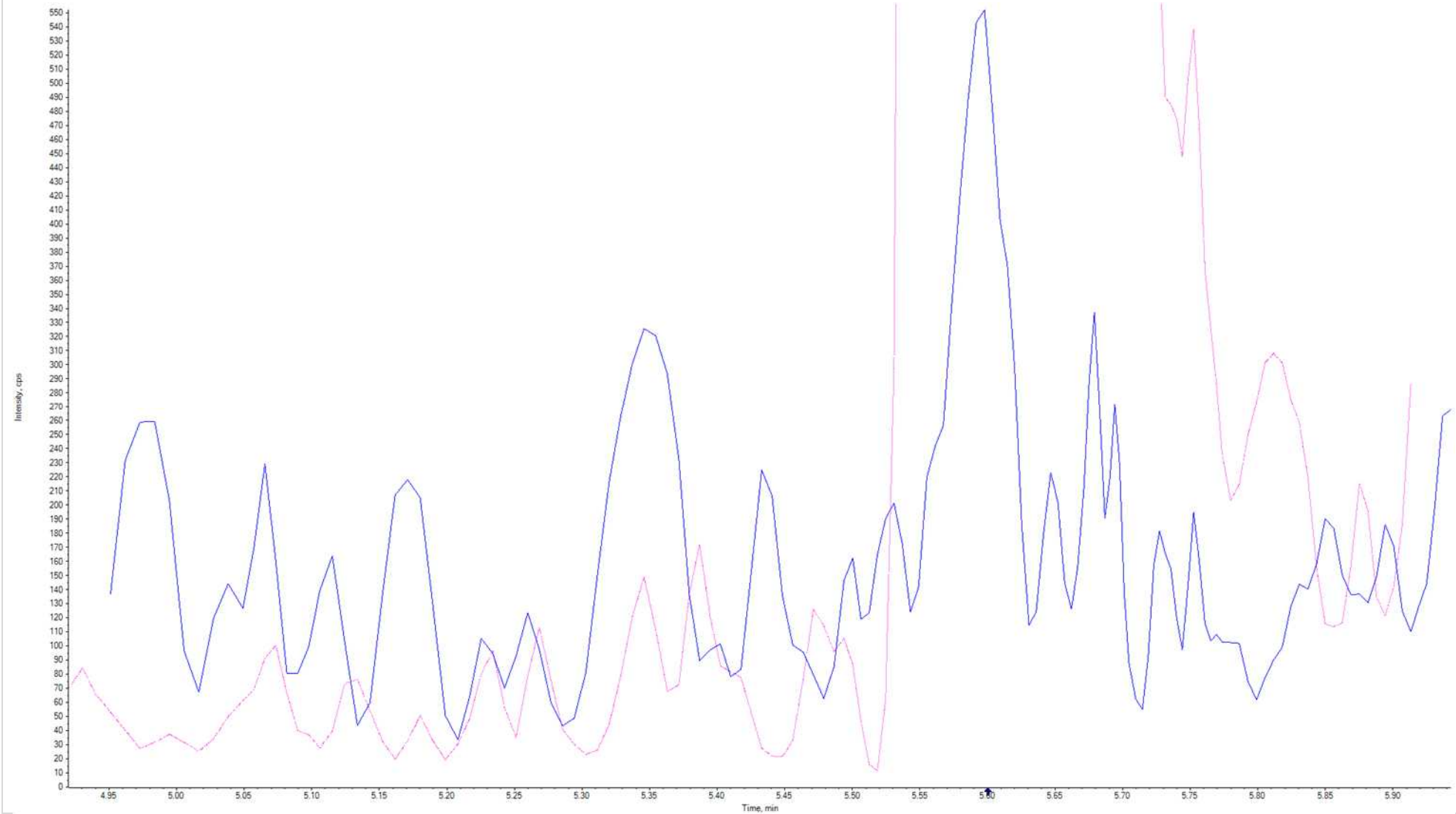
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSE
Sample: WG1958909-2,INSTBLANK S/N:277.1 Points Across peak:40

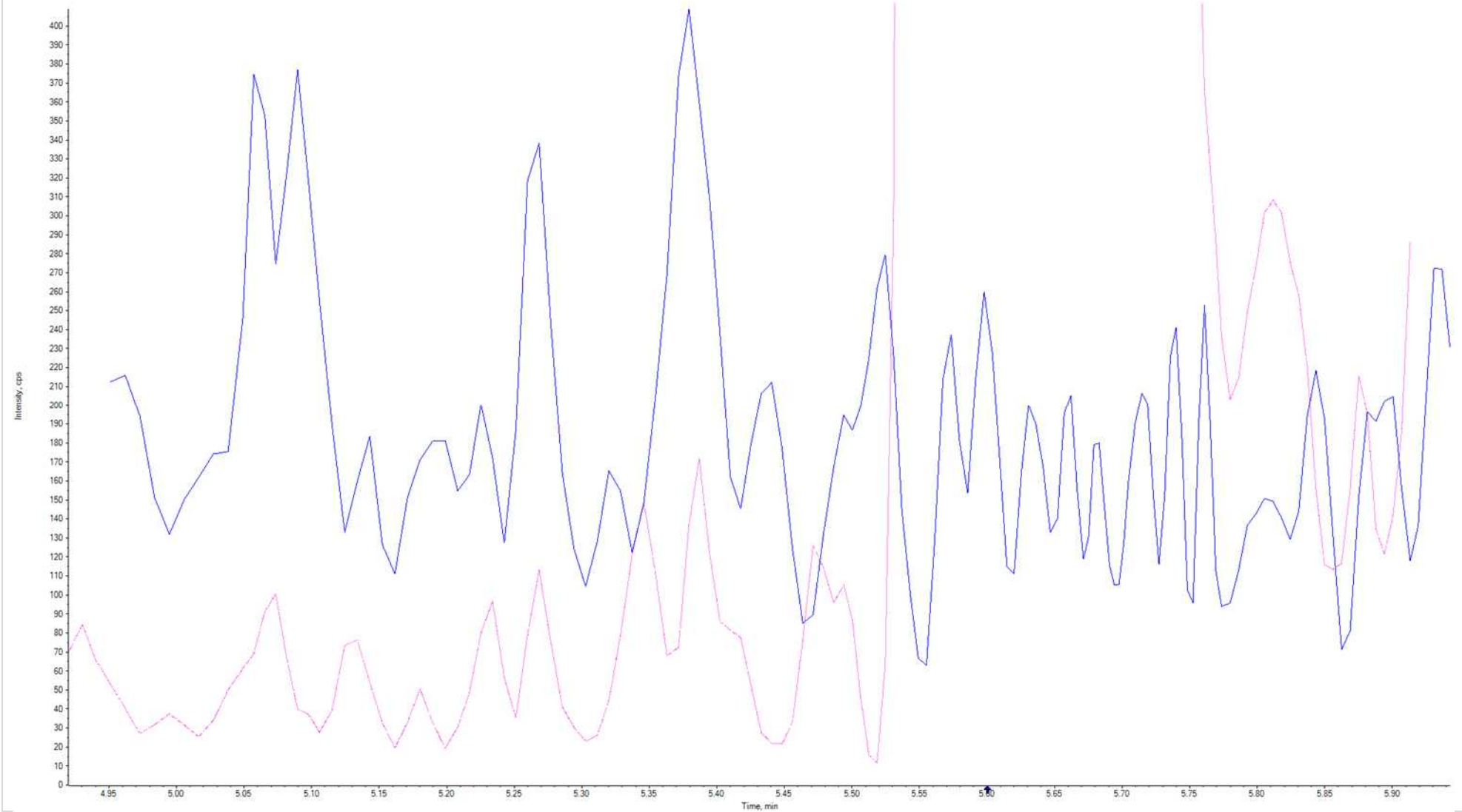


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

HFPO-DA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

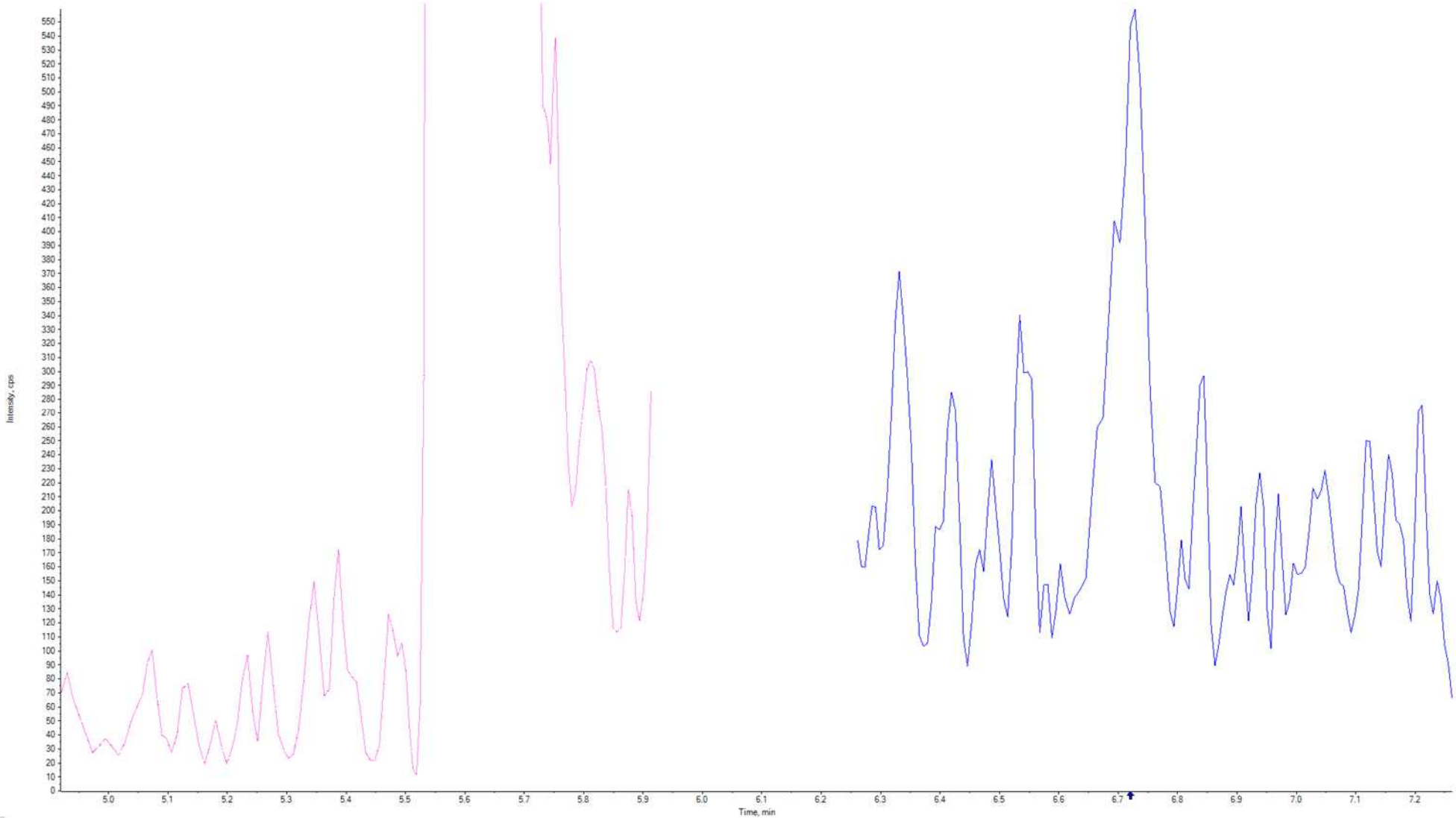


HFPO-DA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



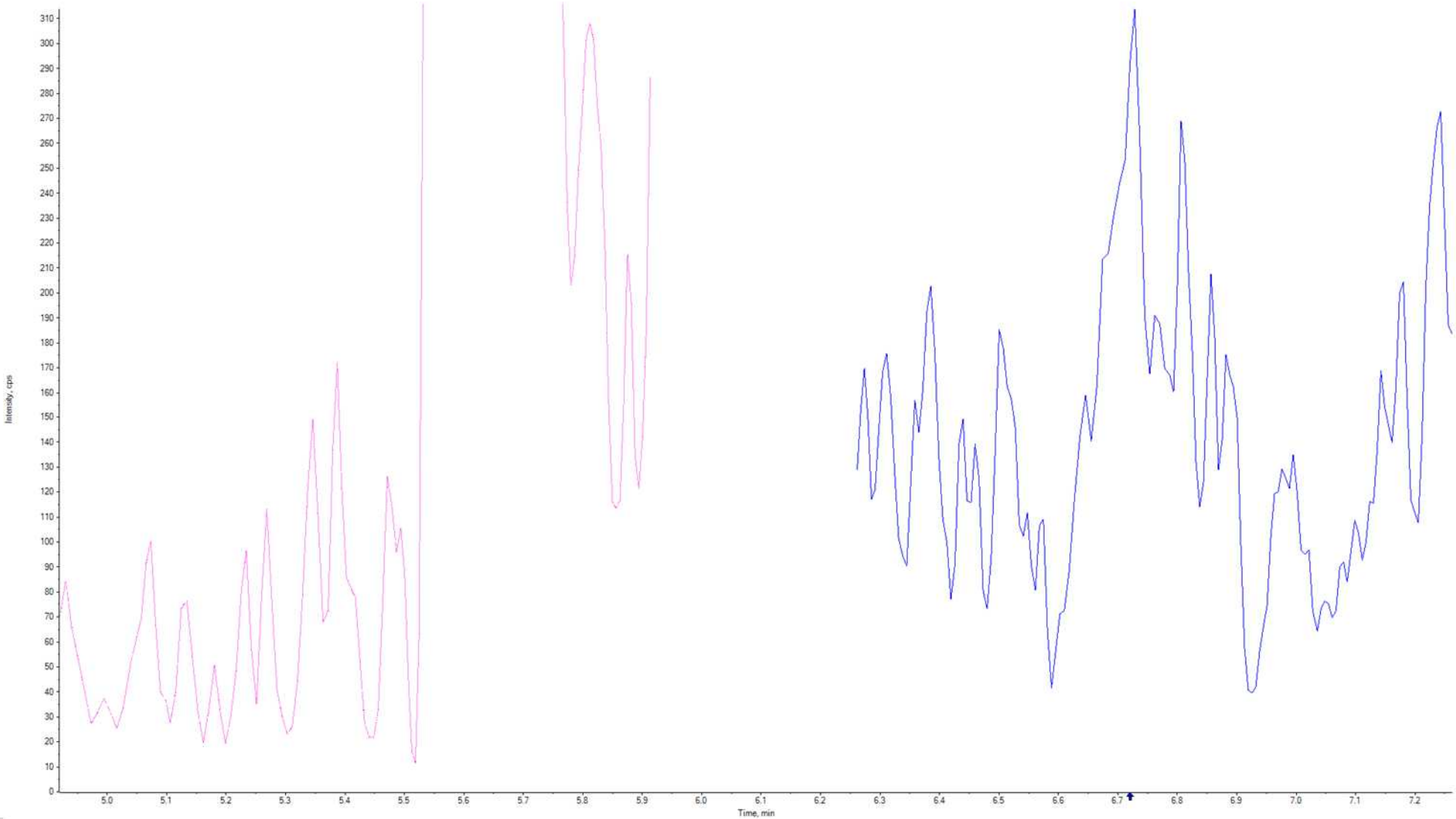
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



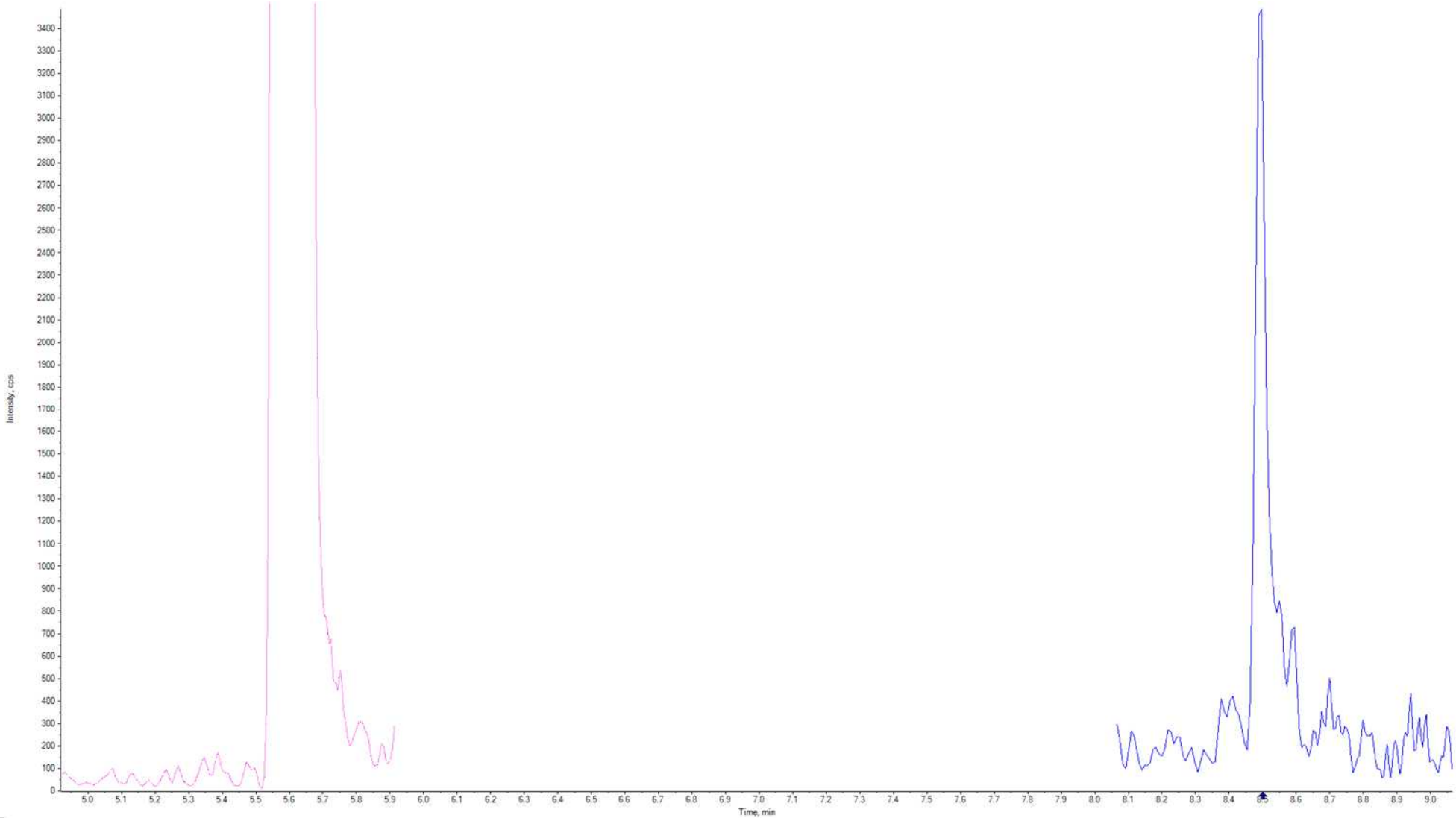
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



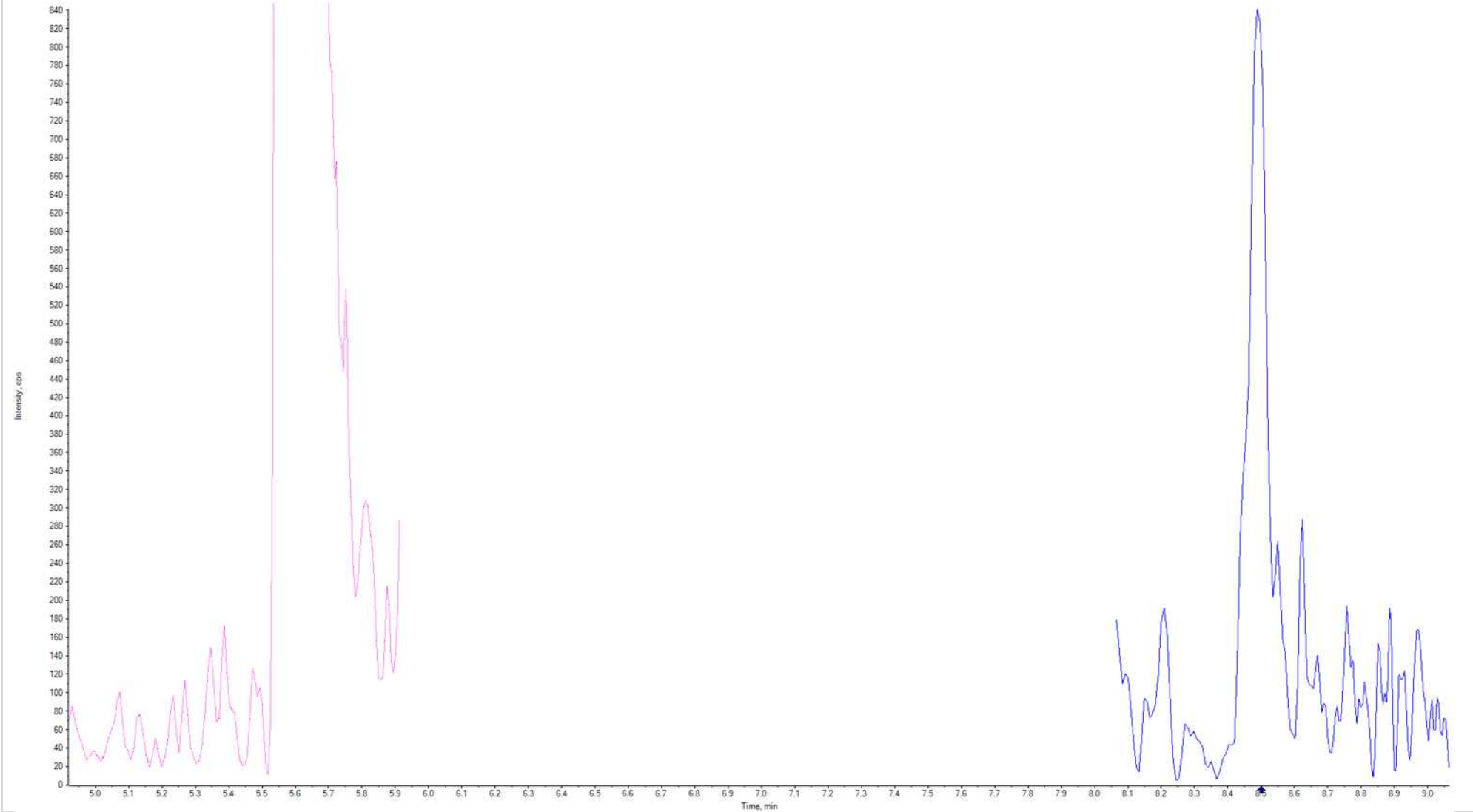
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

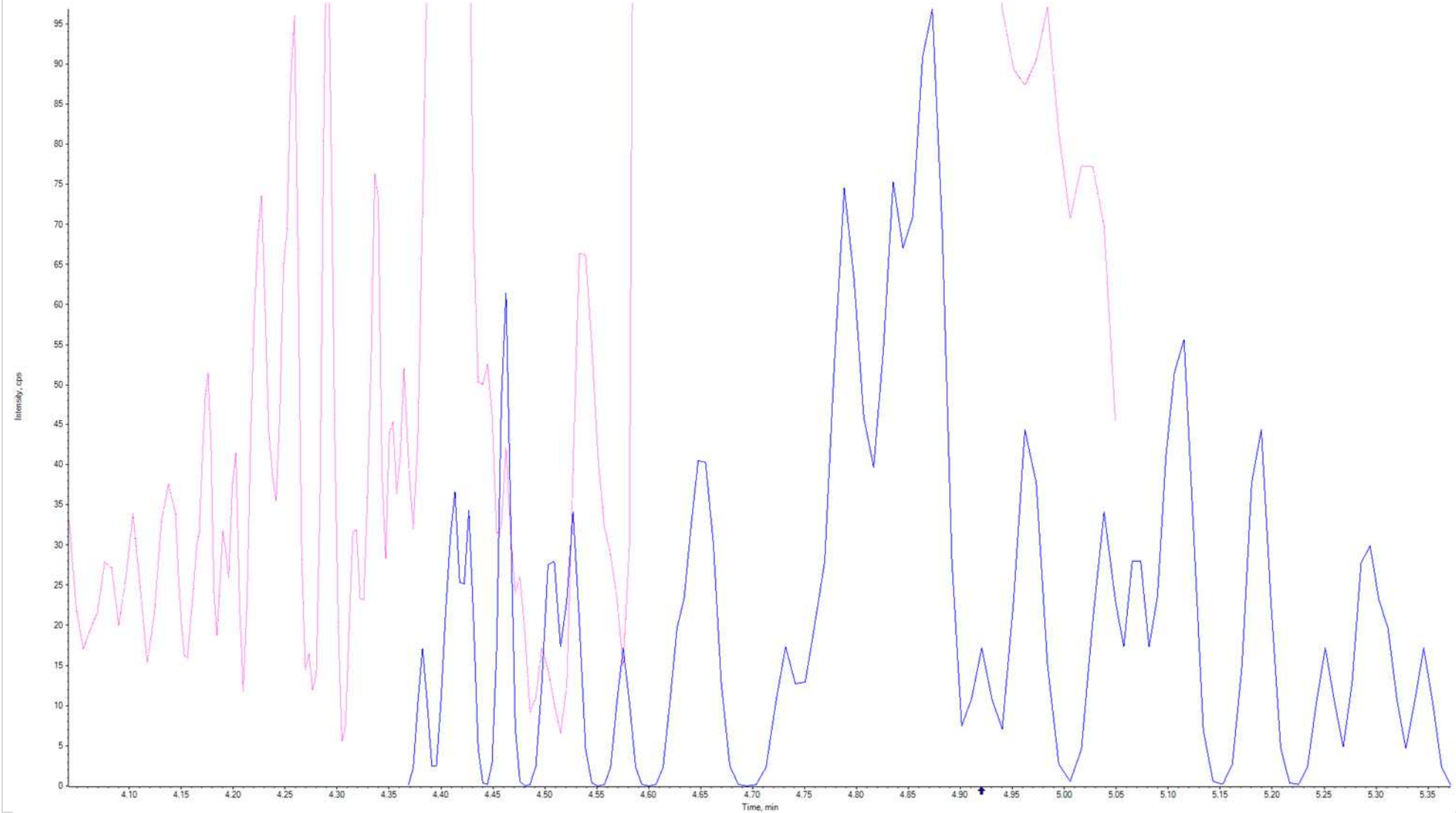
11Cl-PF3OUdS
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

11Cl-PF3OUdS_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A

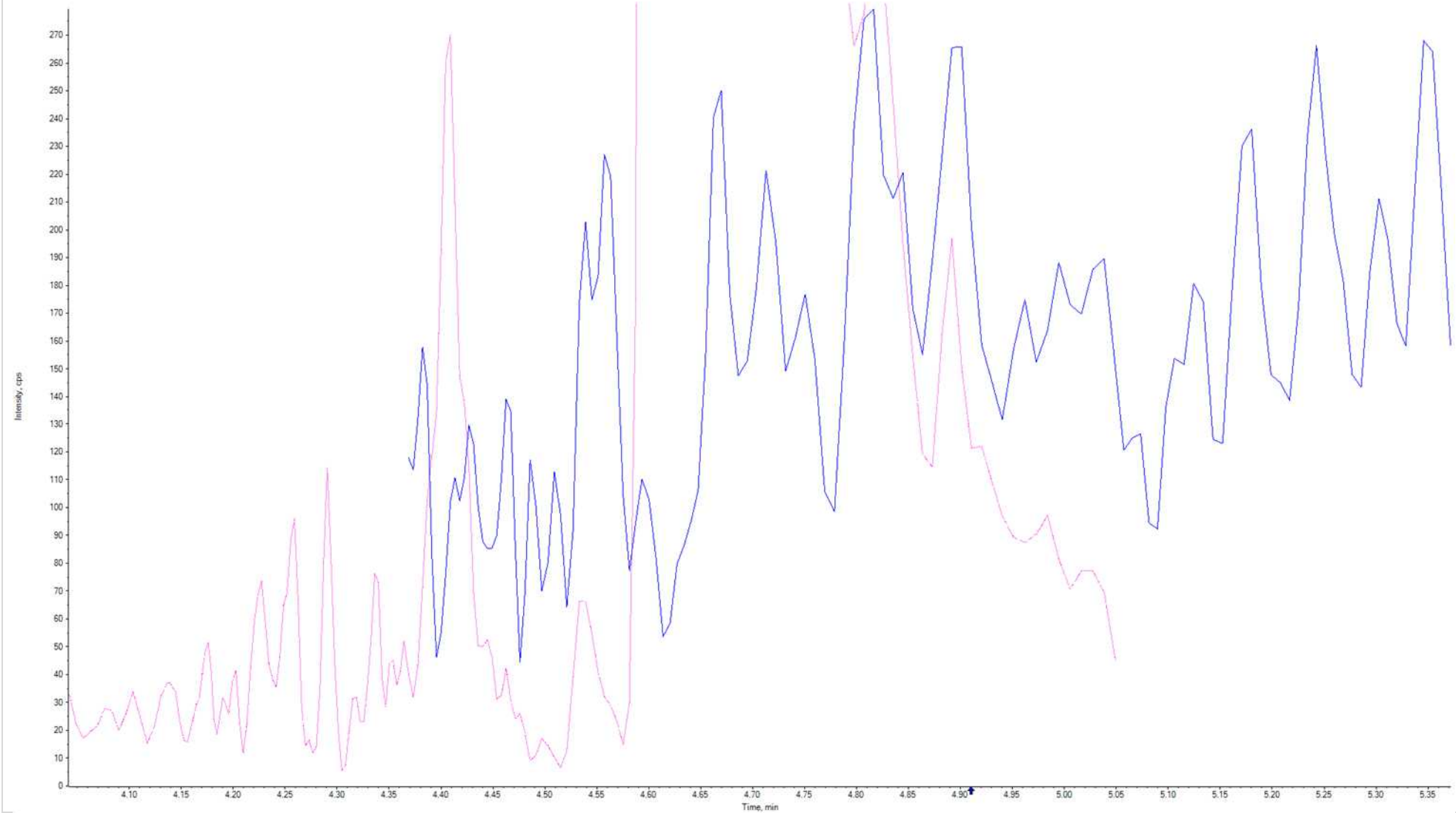
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



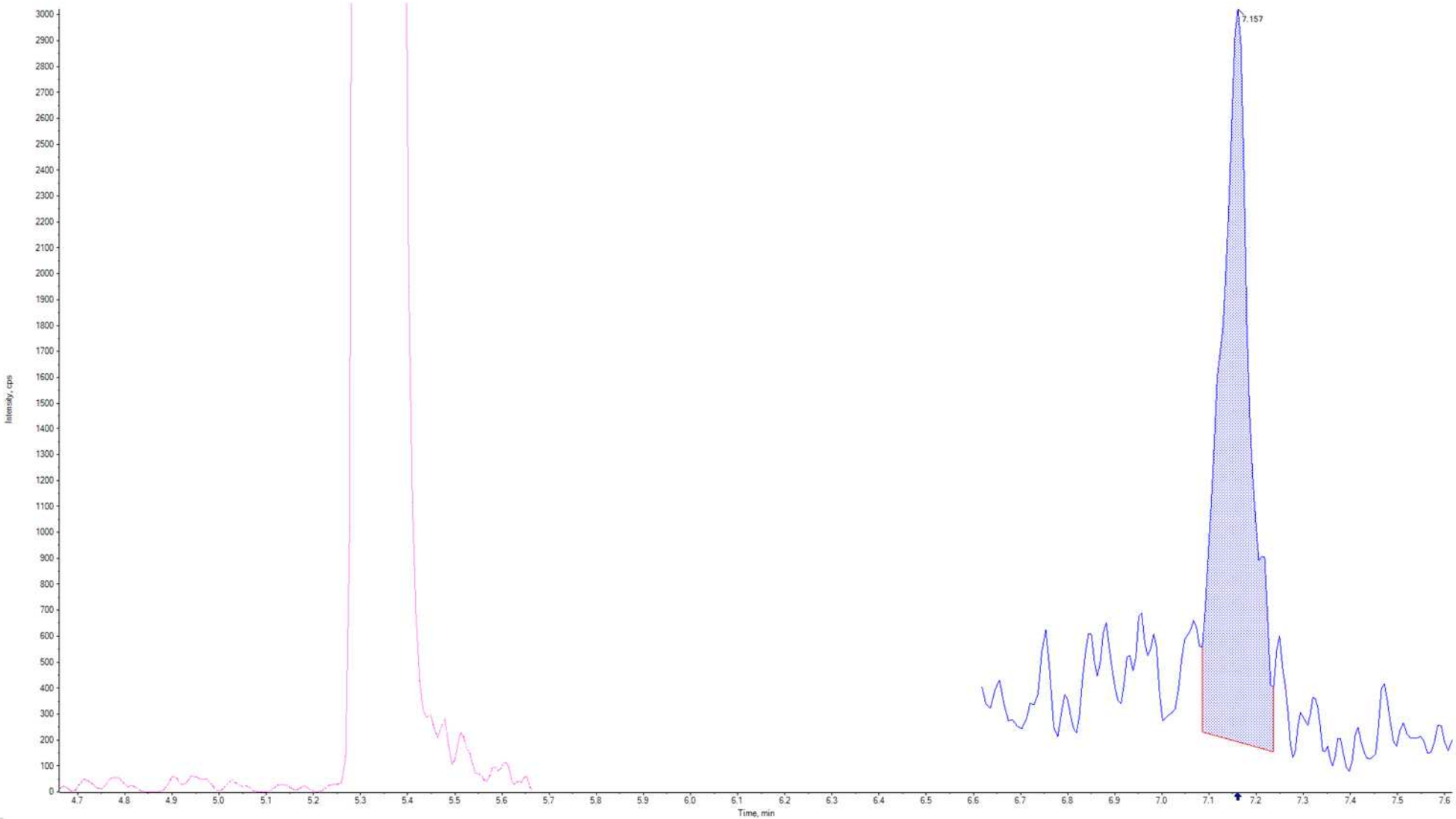
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



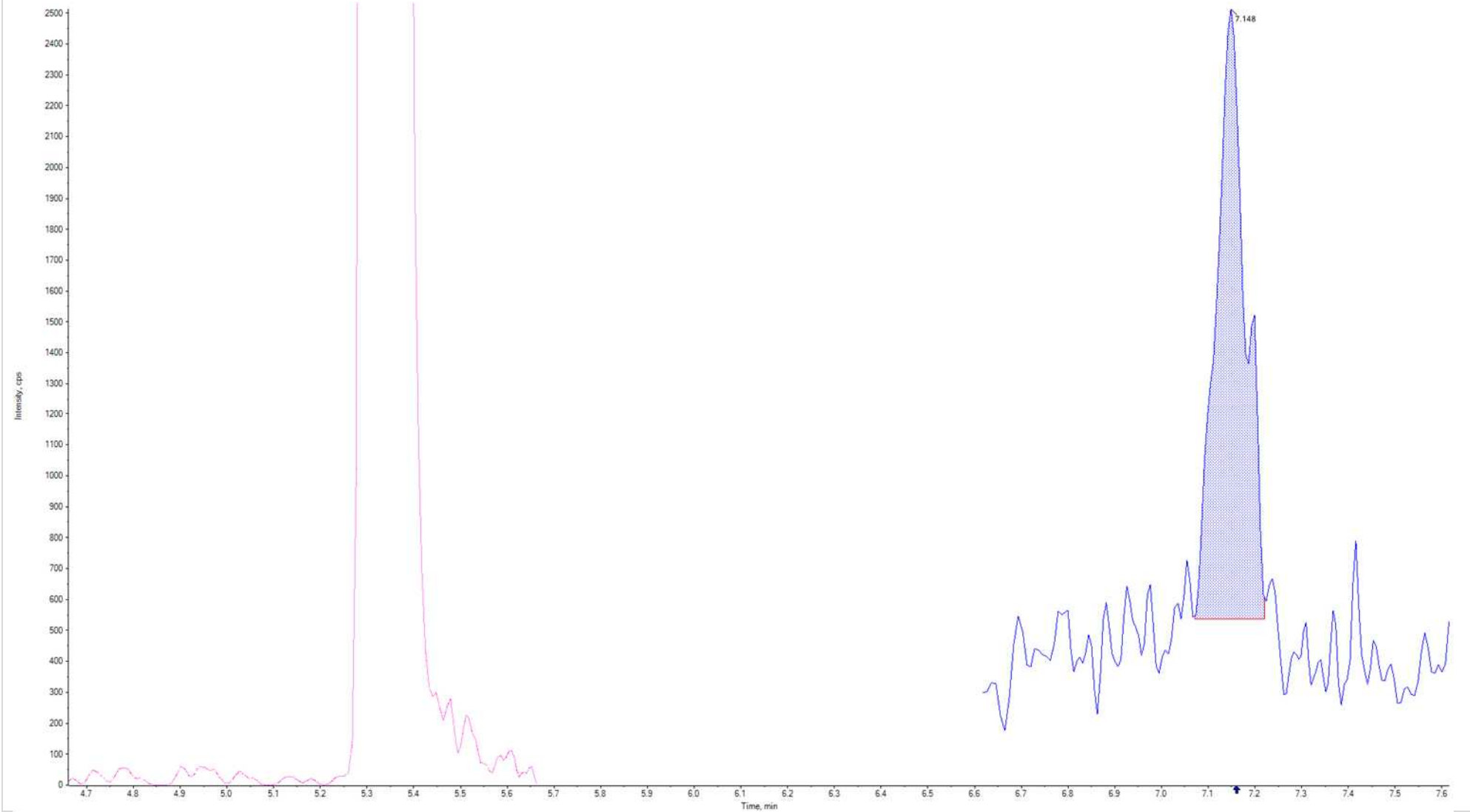
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA
Sample: WG1958909-2,INSTBLANK S/N:97.9 Points Across peak:25



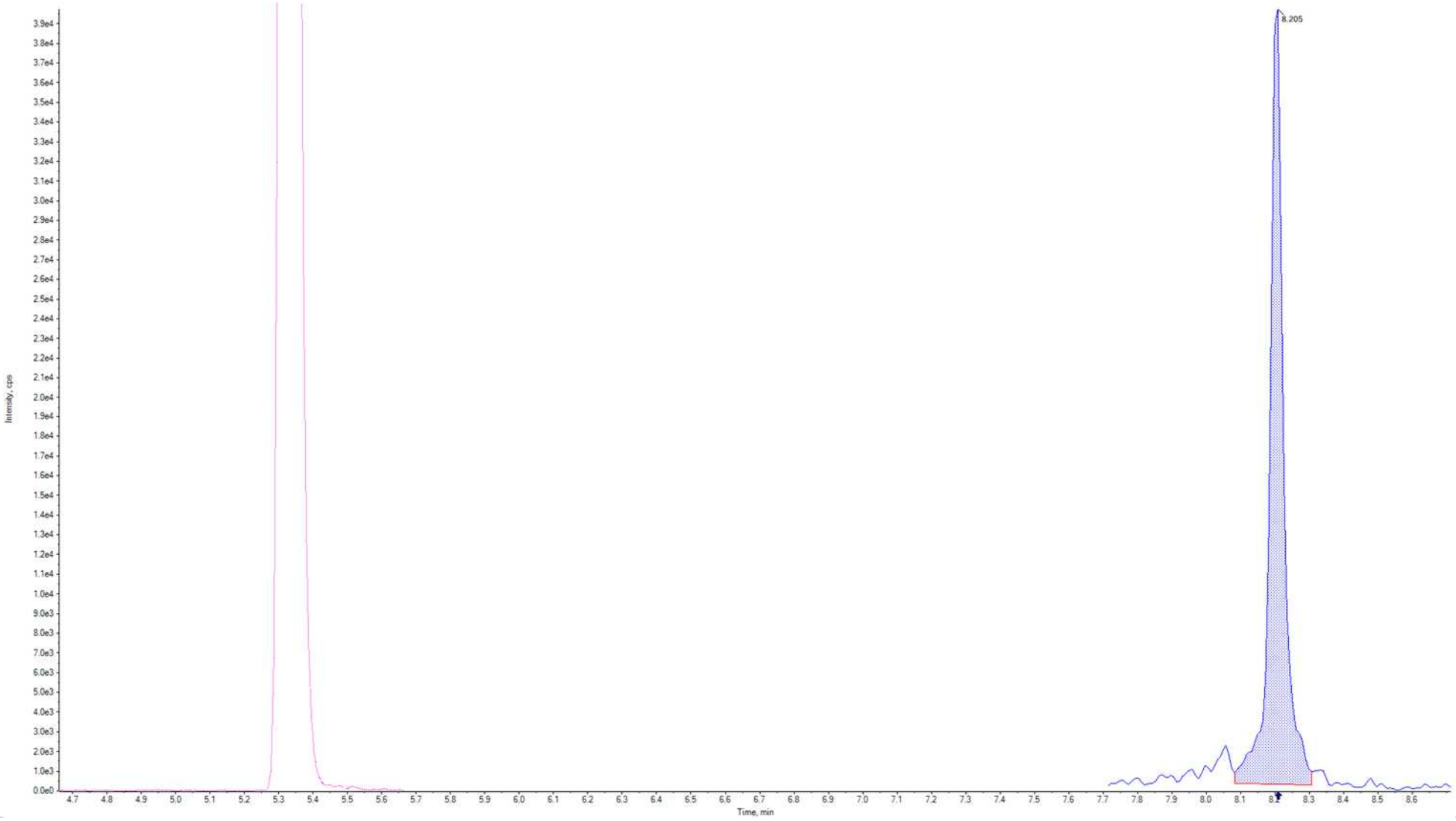
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA_2
Sample: WG1958909-2,INSTBLANK S/N:47.3 Points Across peak:26



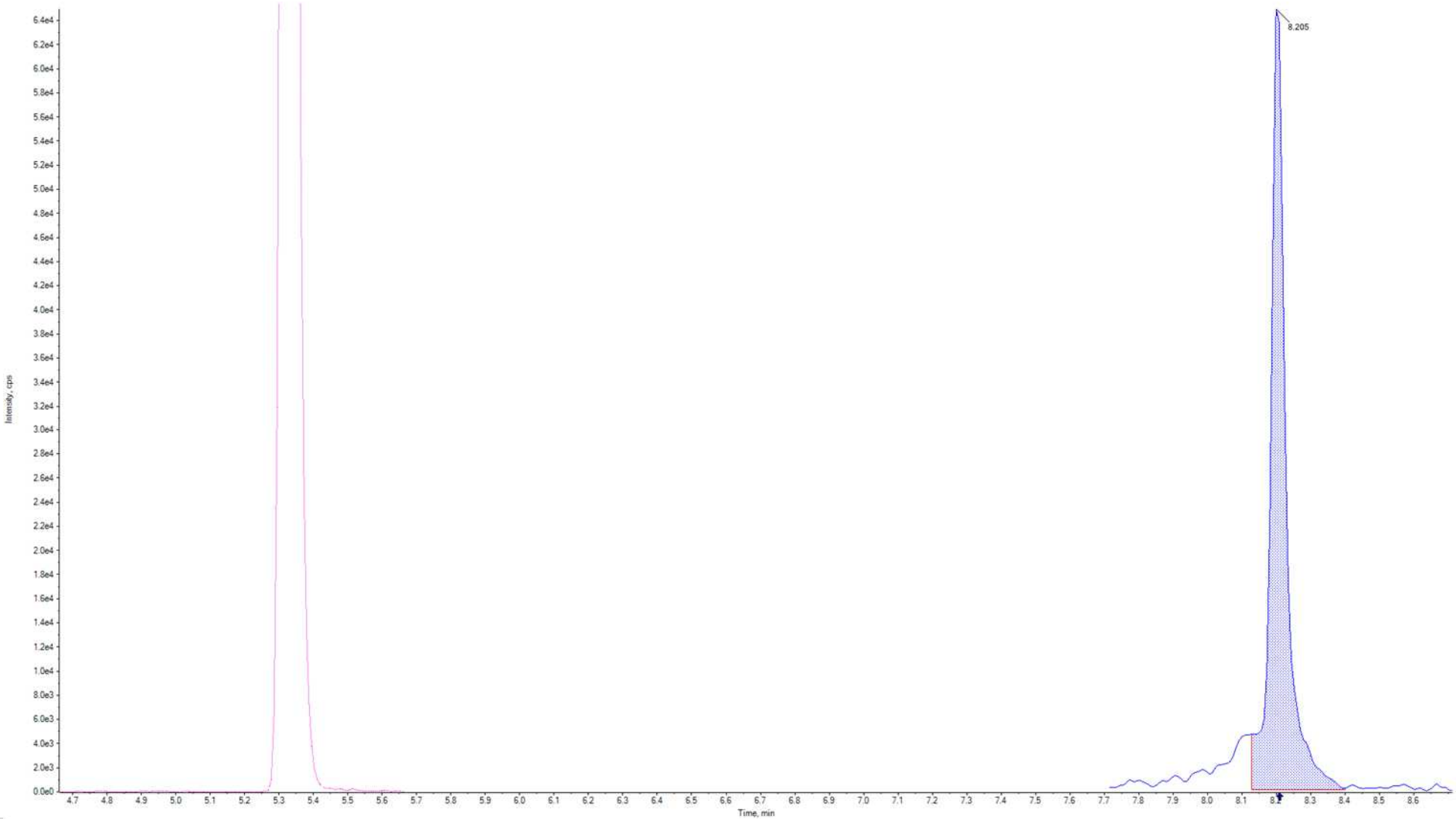
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA
Sample: WG1958909-2,INSTBLANK S/N:741.6 Points Across peak:27



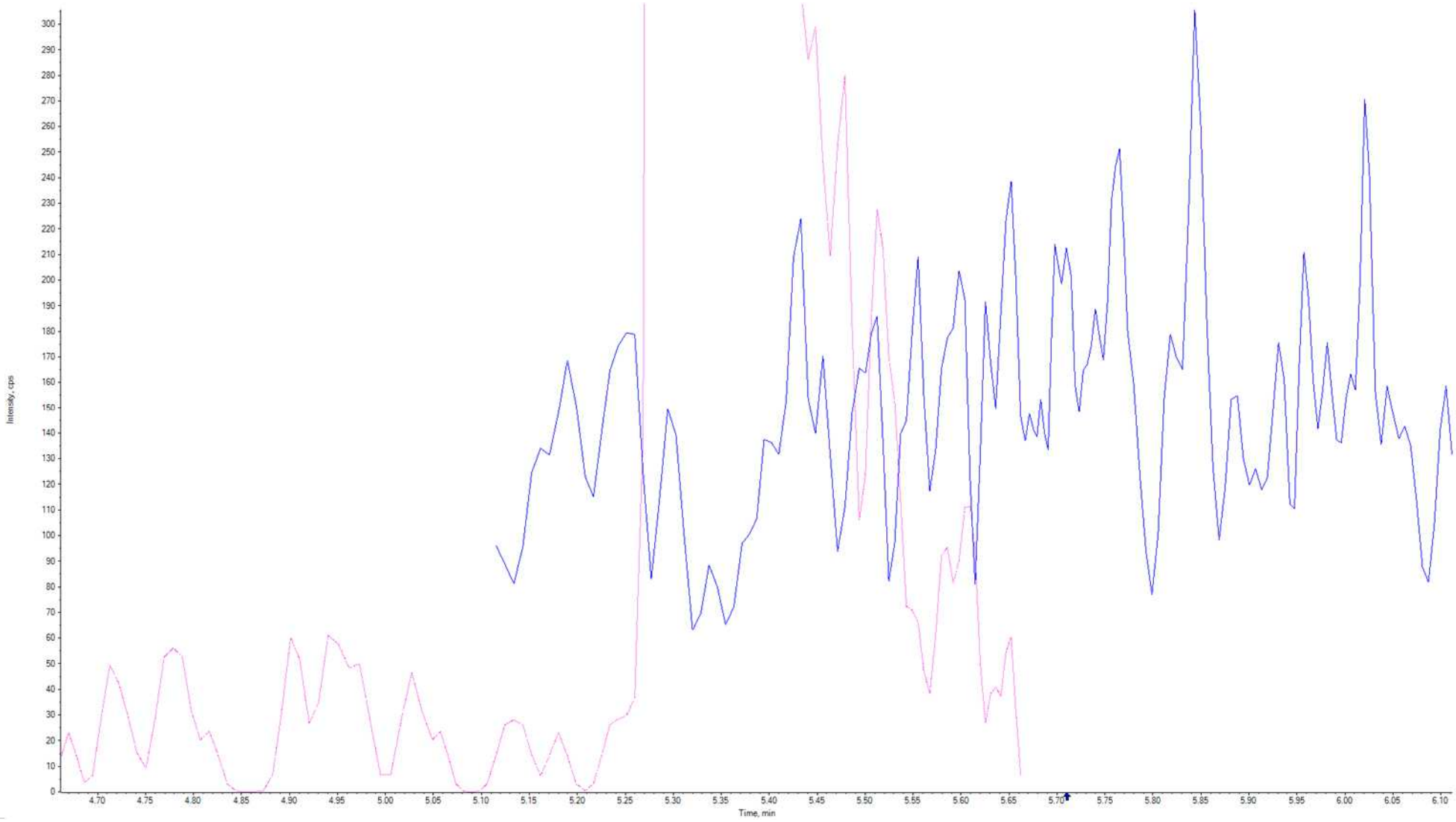
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA_2
Sample: WG1958909-2,INSTBLANK S/N:902.1 Points Across peak:33



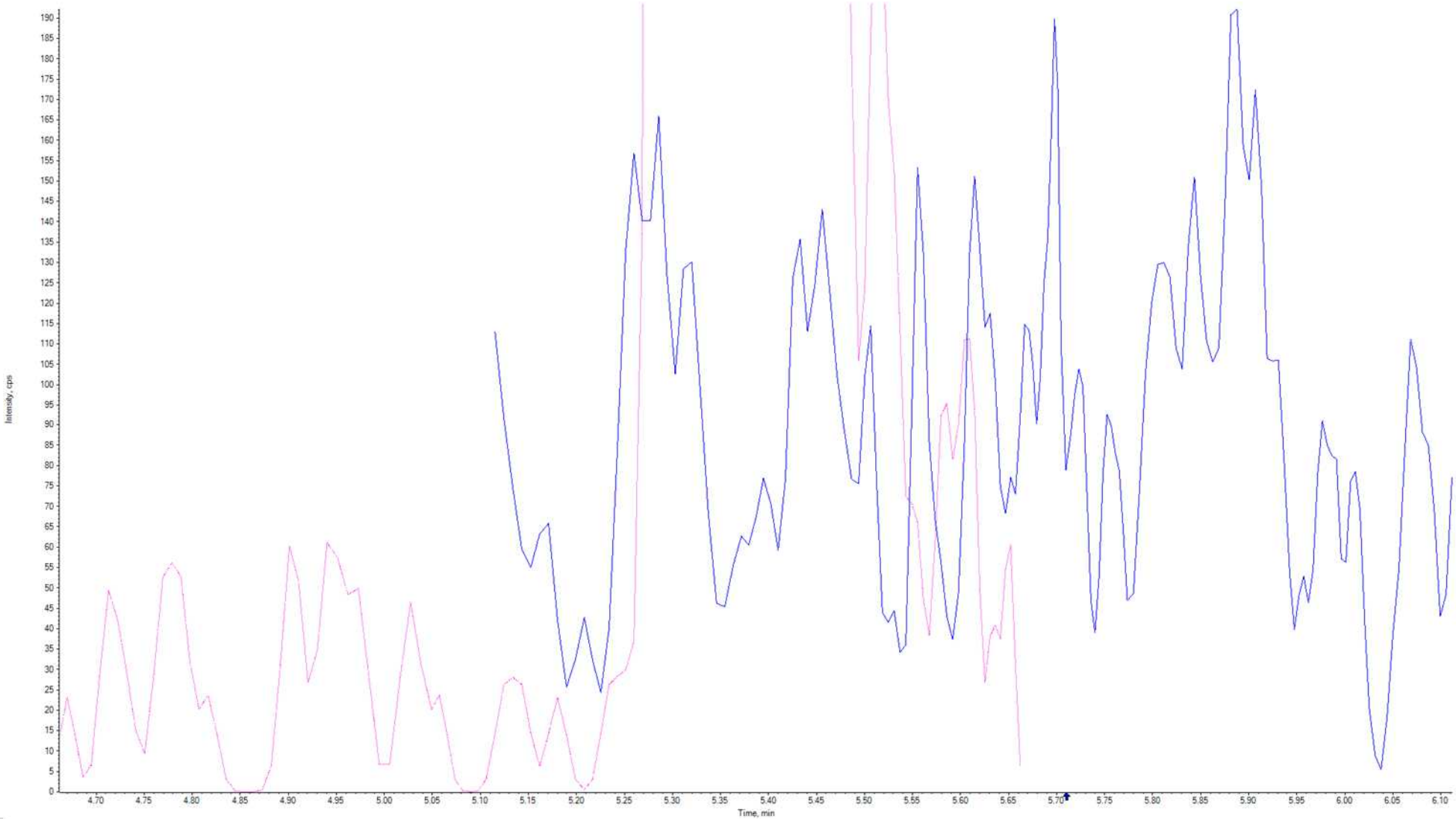
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



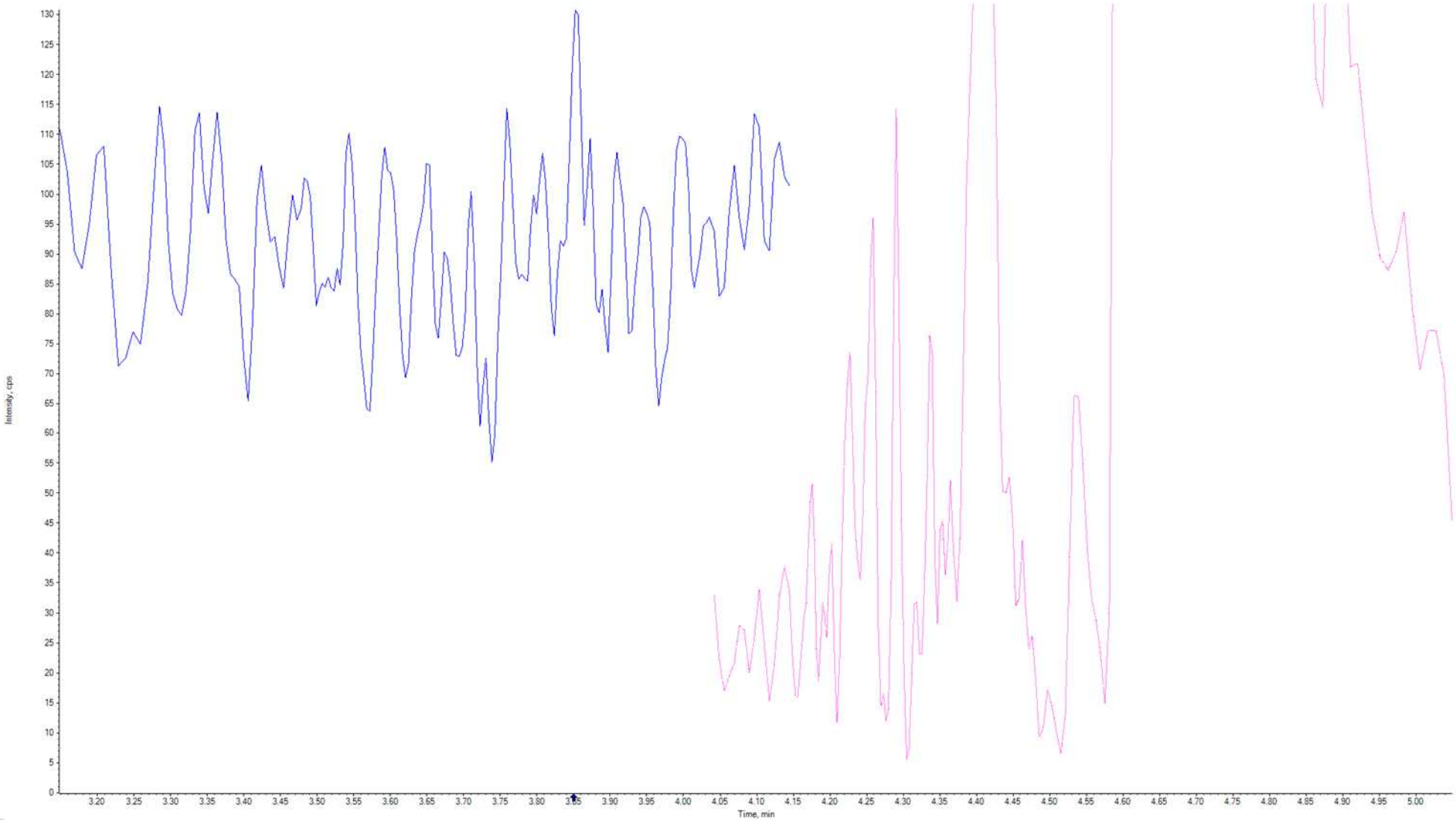
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



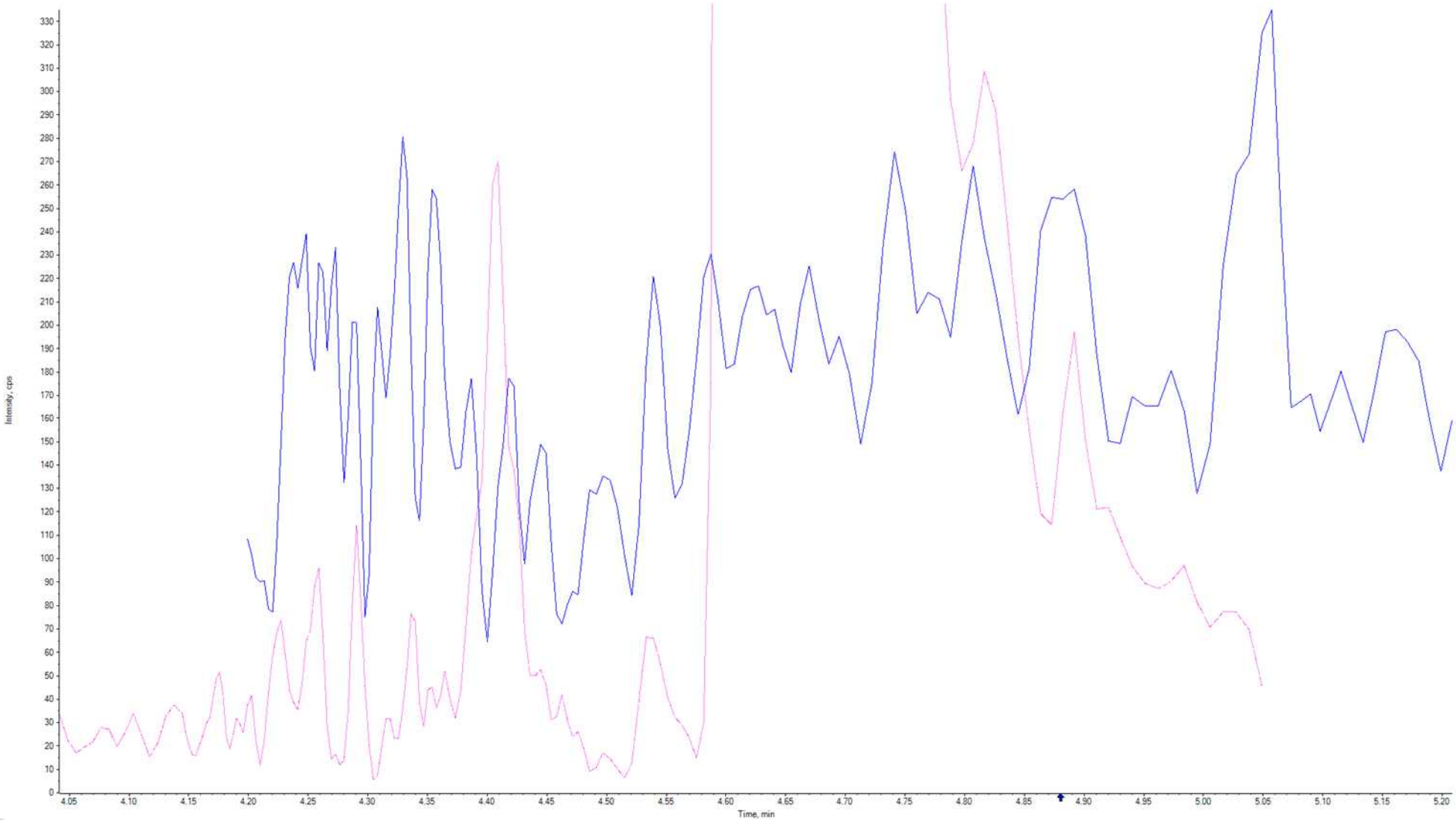
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMPA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



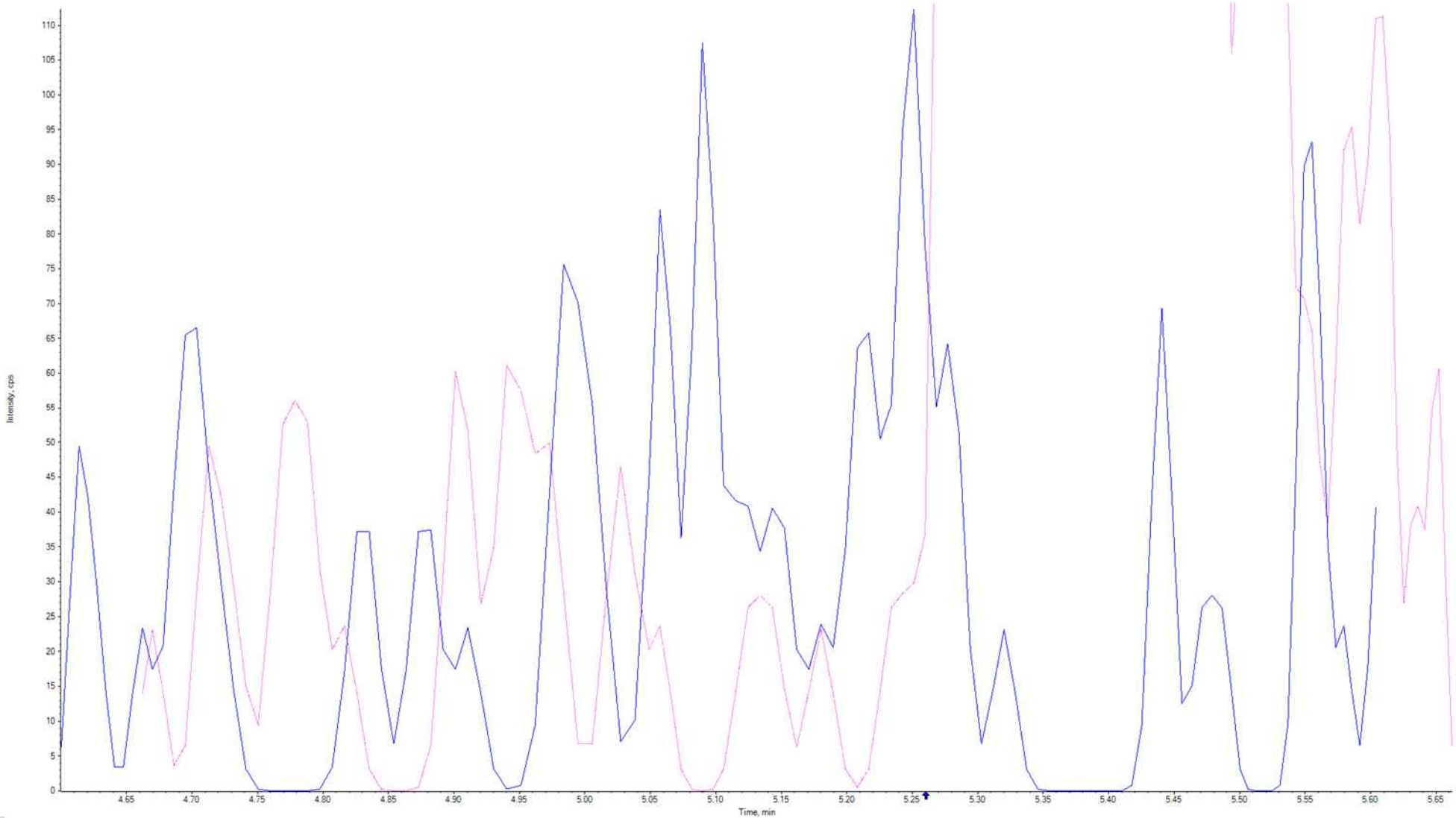
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMBA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



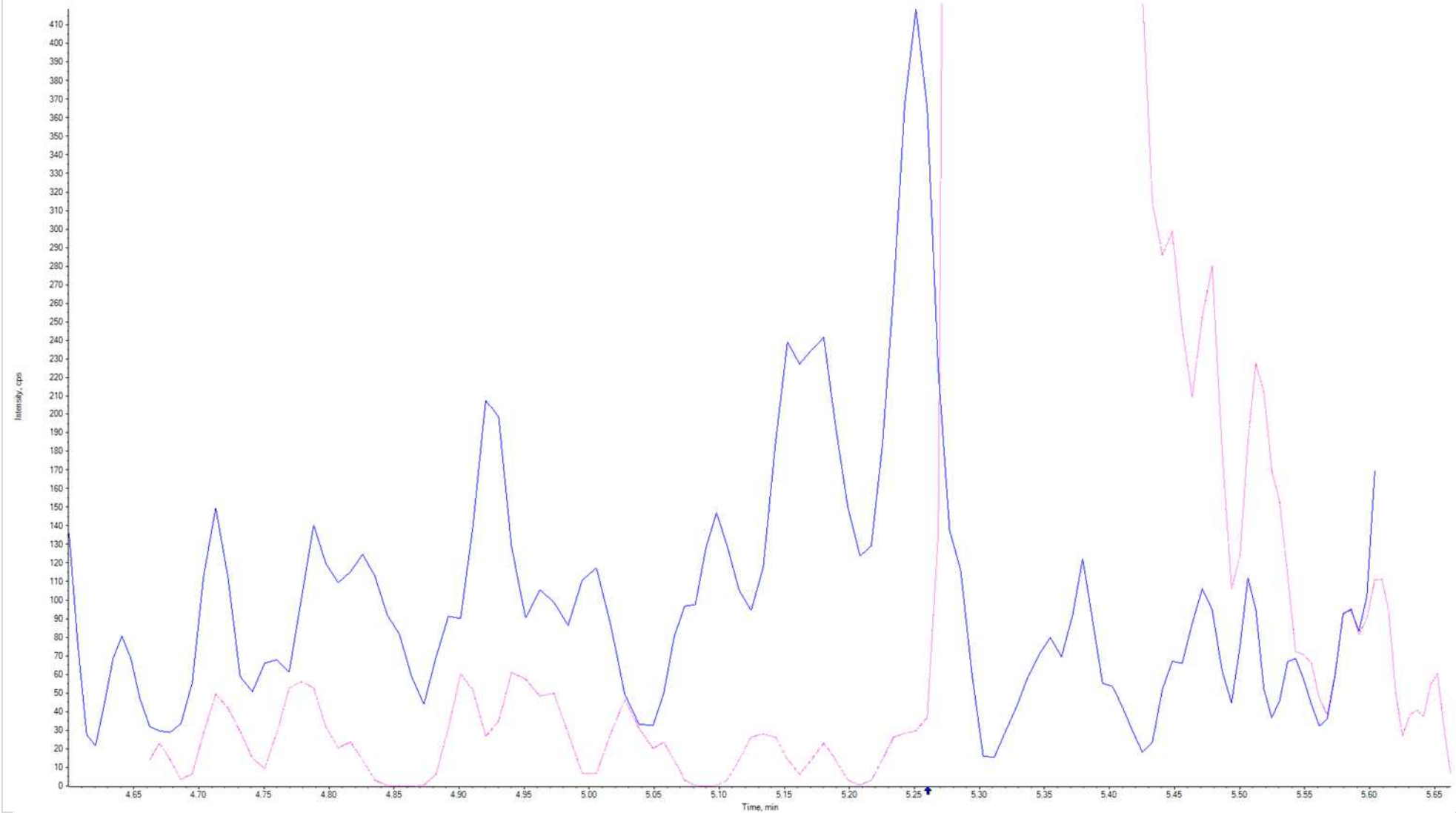
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



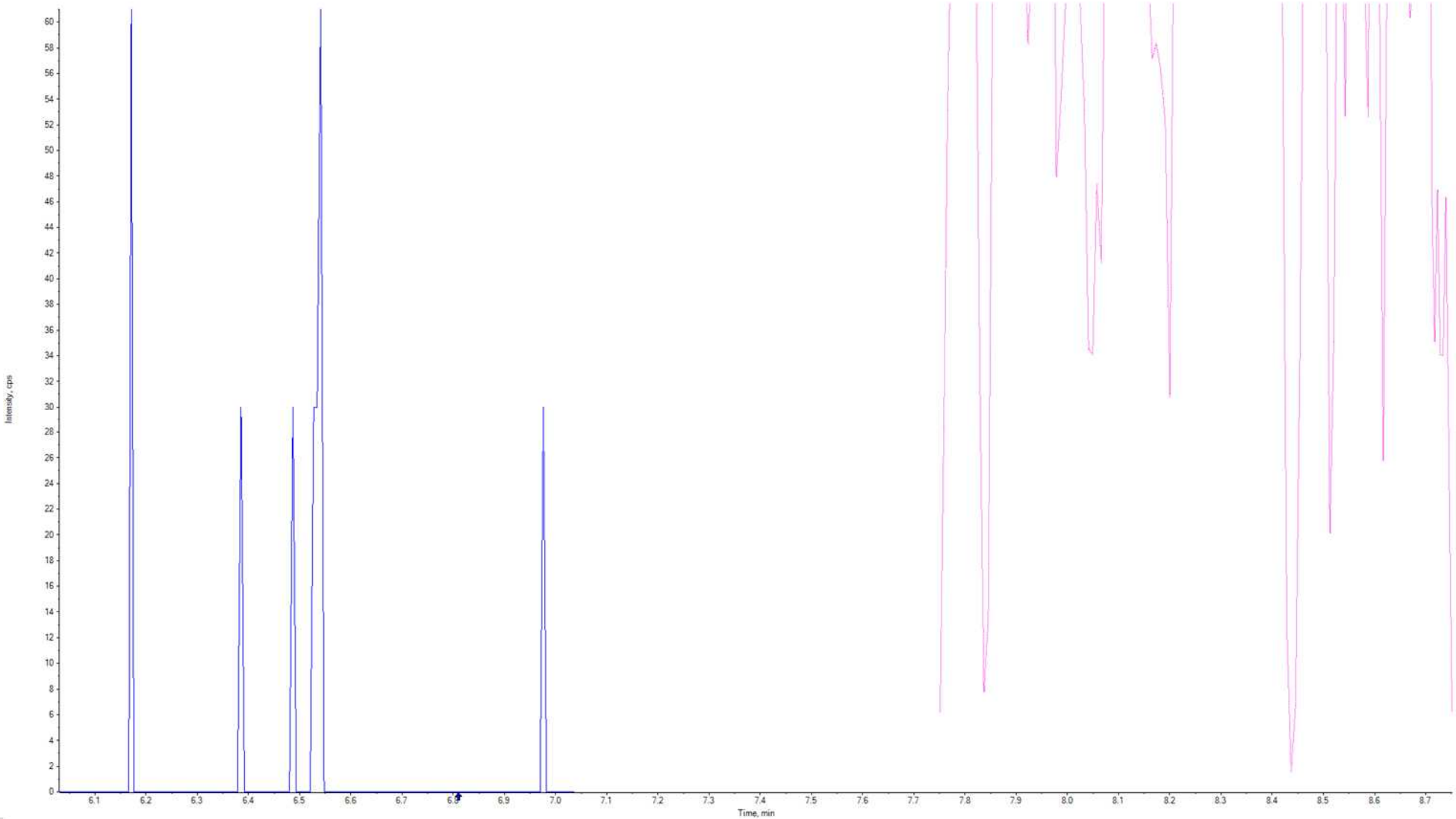
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



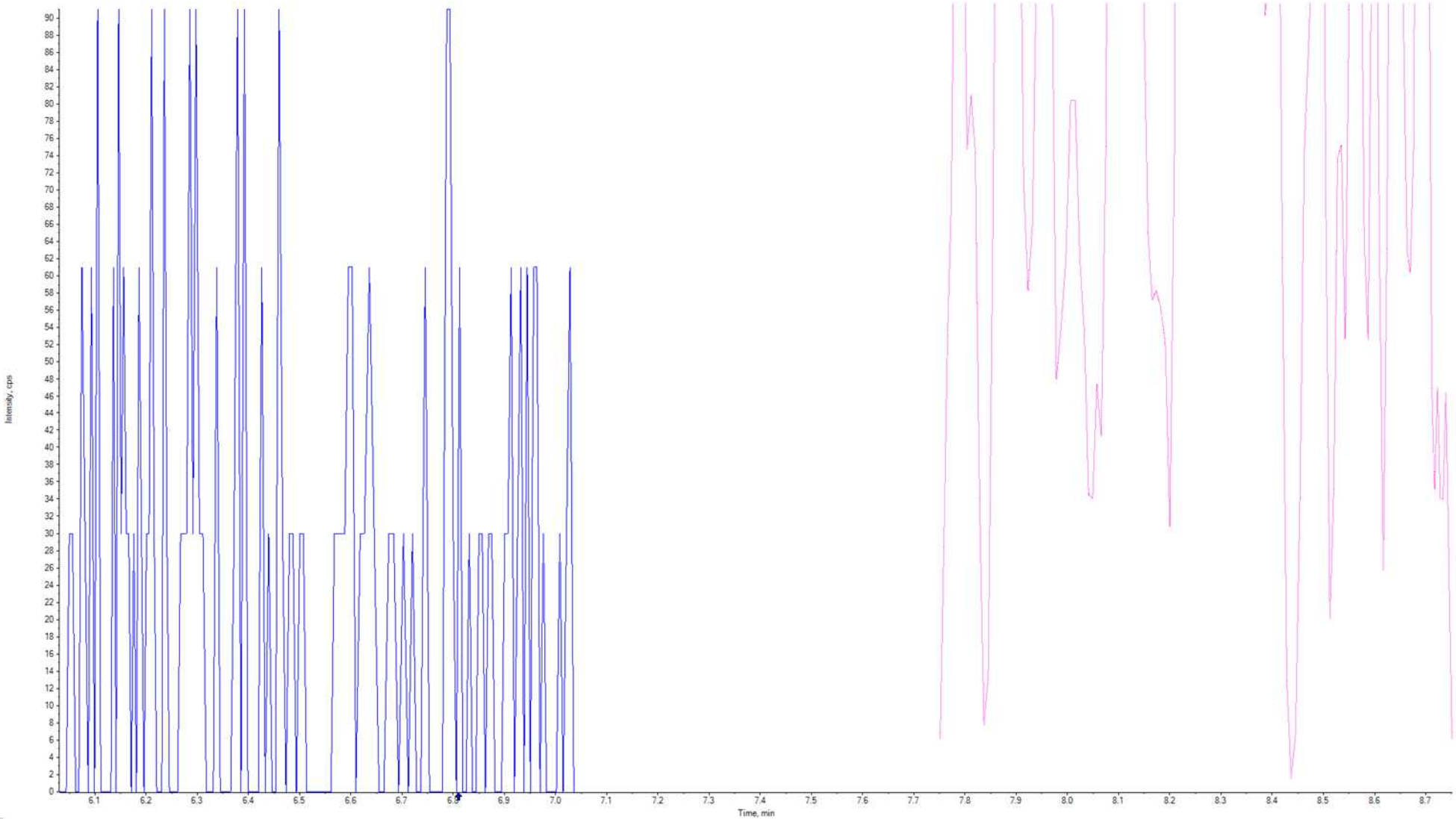
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



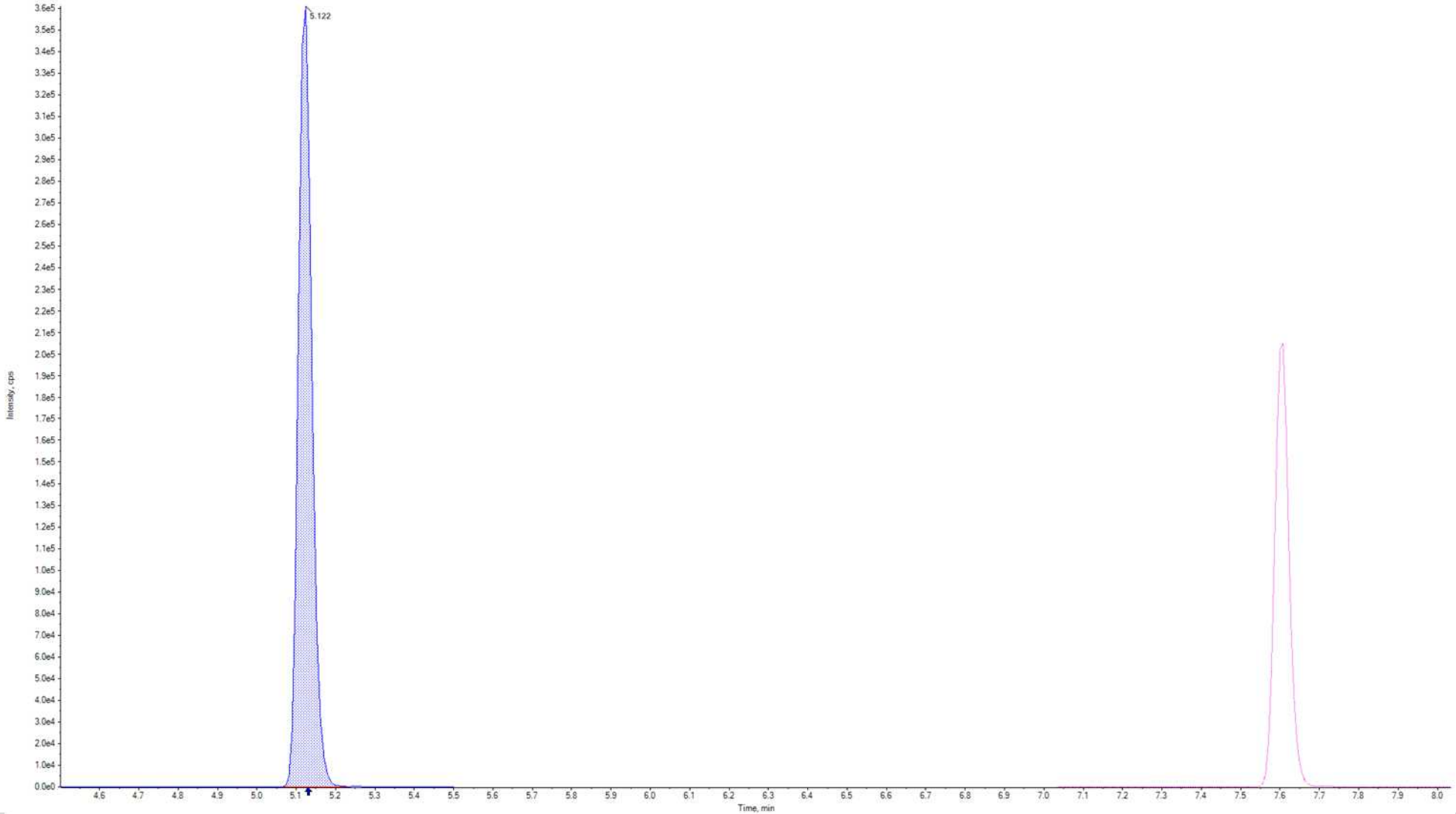
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA_2
Sample: WG1958909-2,INSTBLANK S/N:N/A Points Across peak:N/A



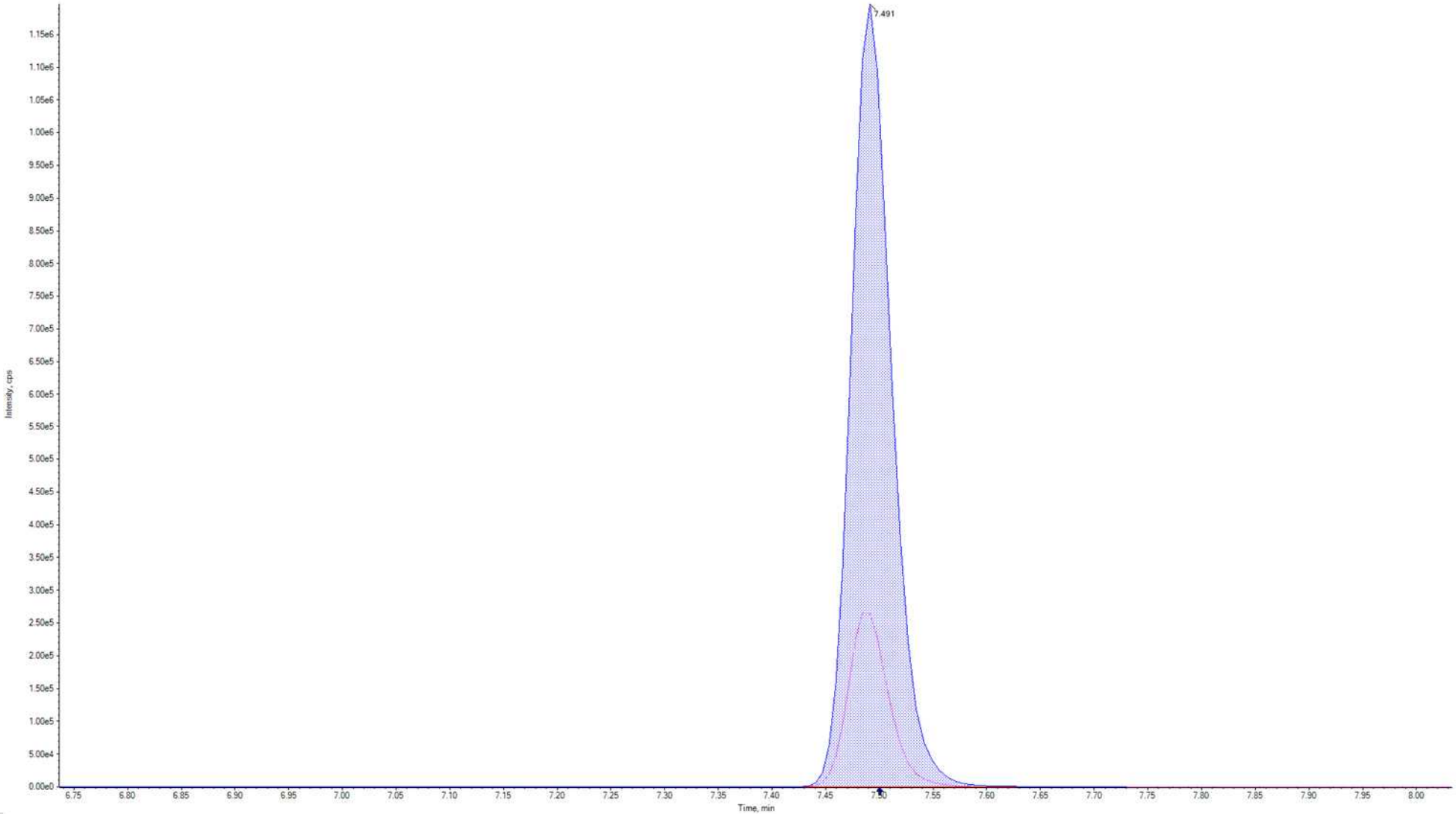
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2D4-4:2FTS
Sample: WG1958909-2,INSTBLANK S/N:28048.2 Points Across peak:24

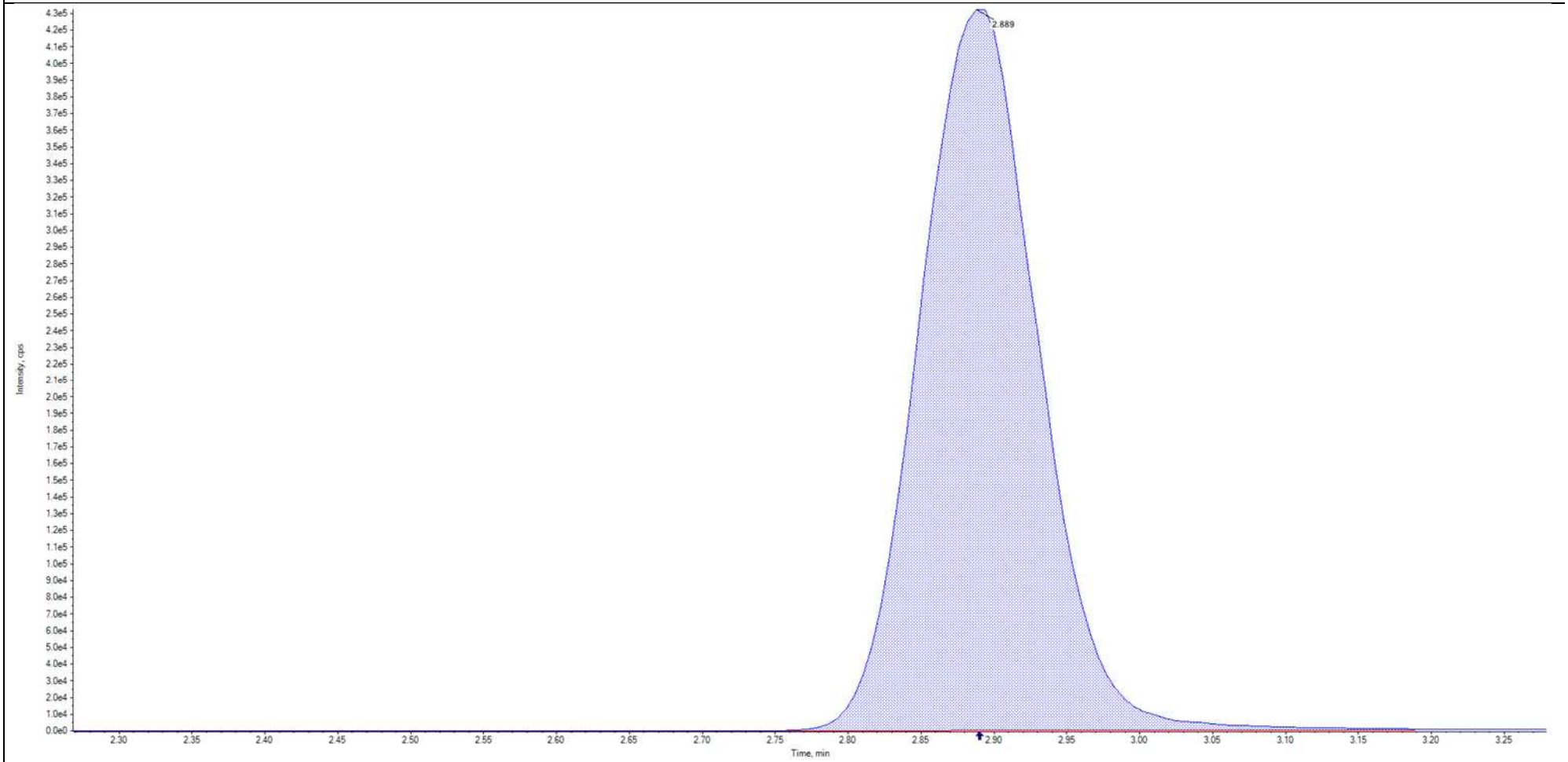


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

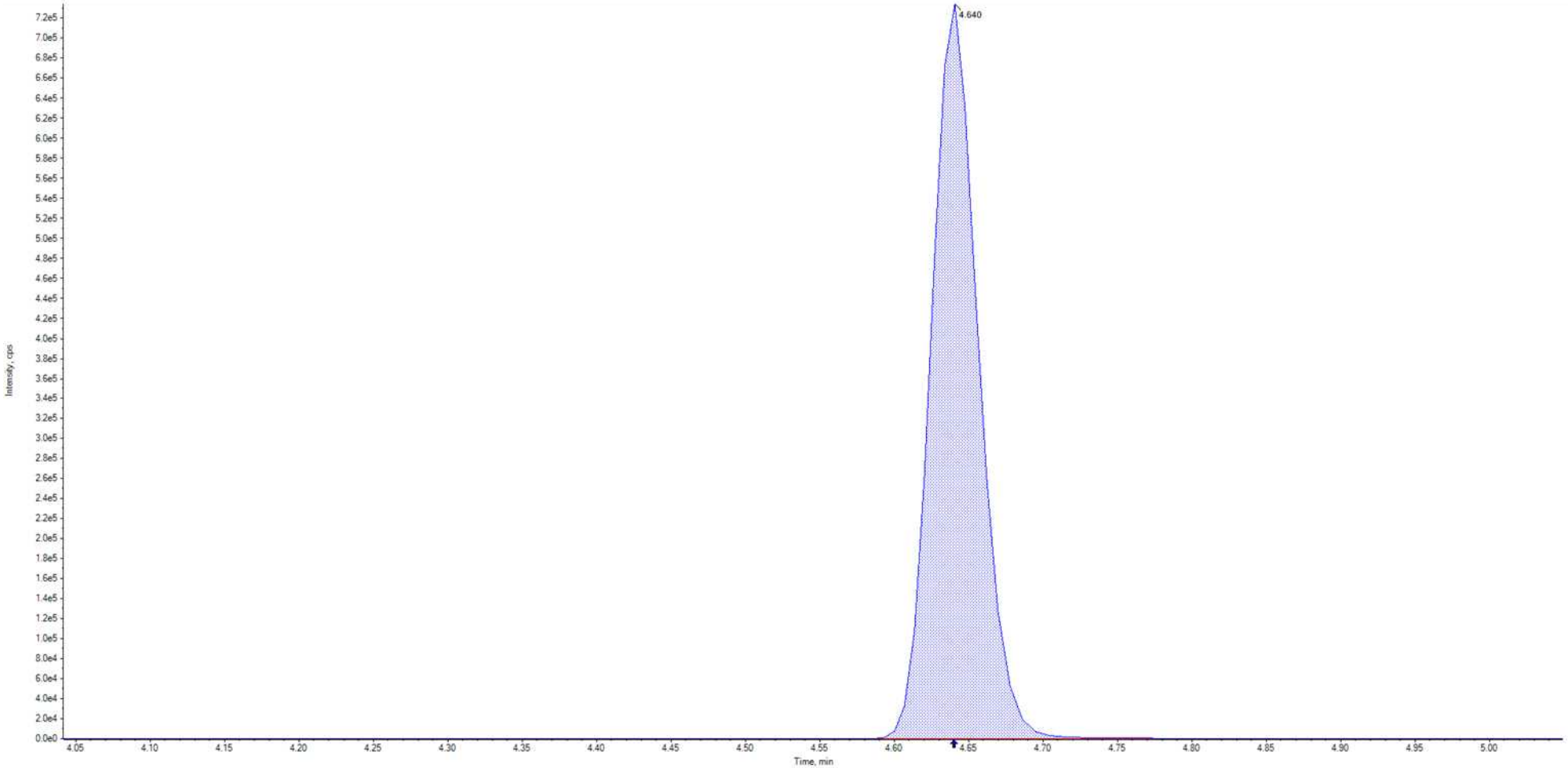
13C2-PFOA
Sample: WG1958909-2,INSTBLANK S/N:13113.6 Points Across peak:39



13C4-PFBA
Sample: WG1958909-2,INSTBLANK

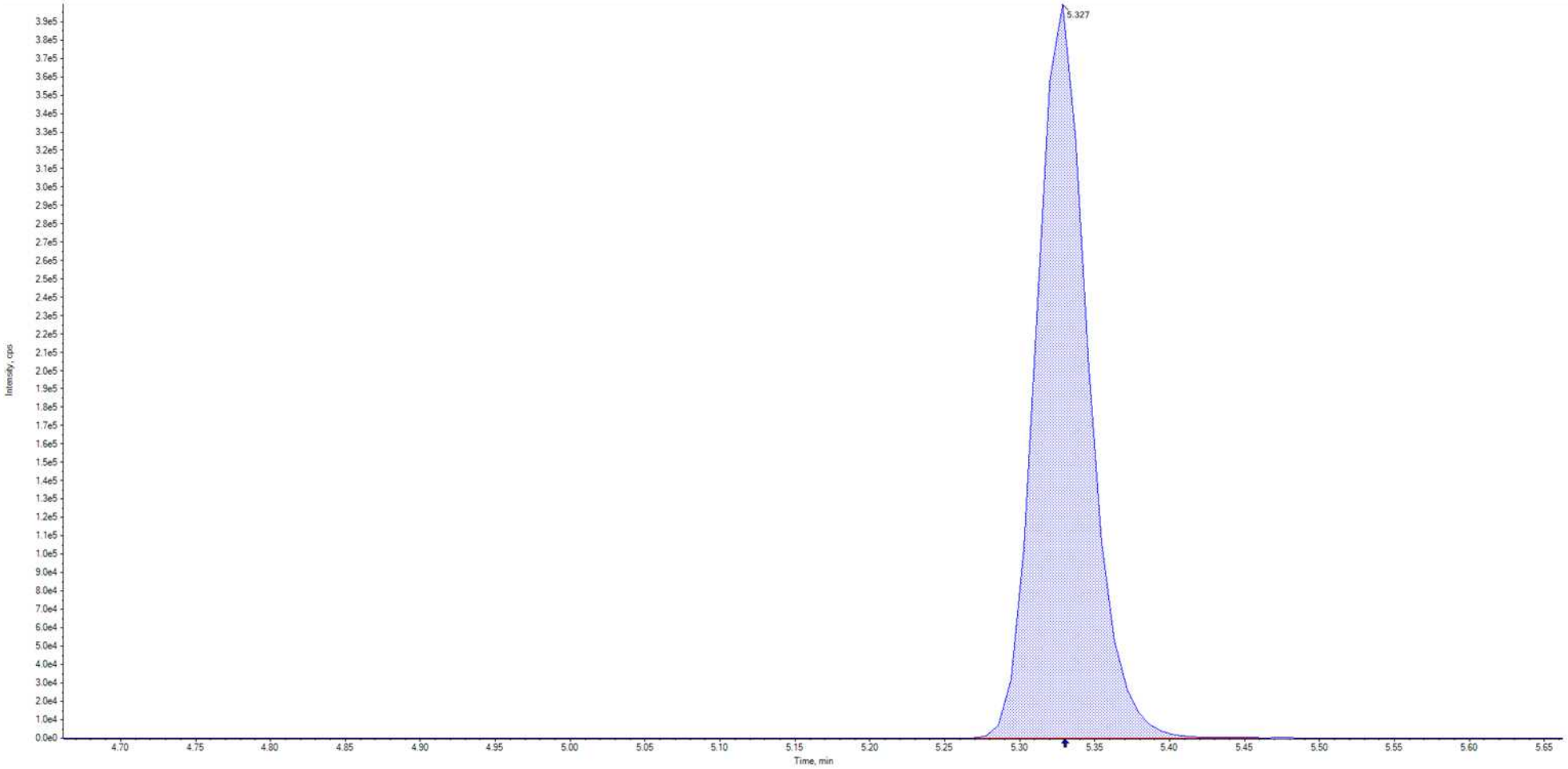


13C5-PFPeA
Sample: WG1958909-2,INSTBLANK



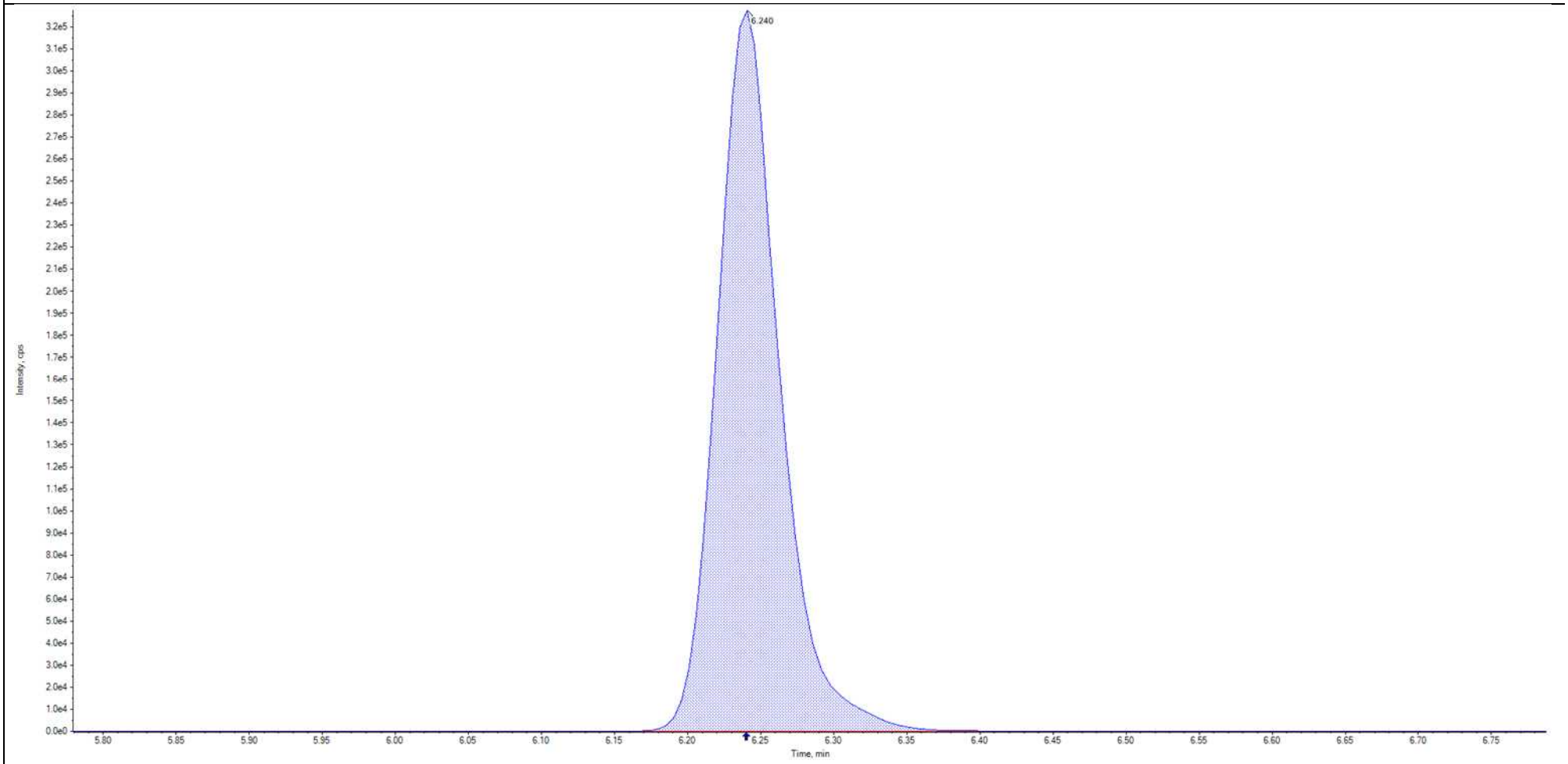
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C5-PFHxA
Sample: WG1958909-2,INSTBLANK



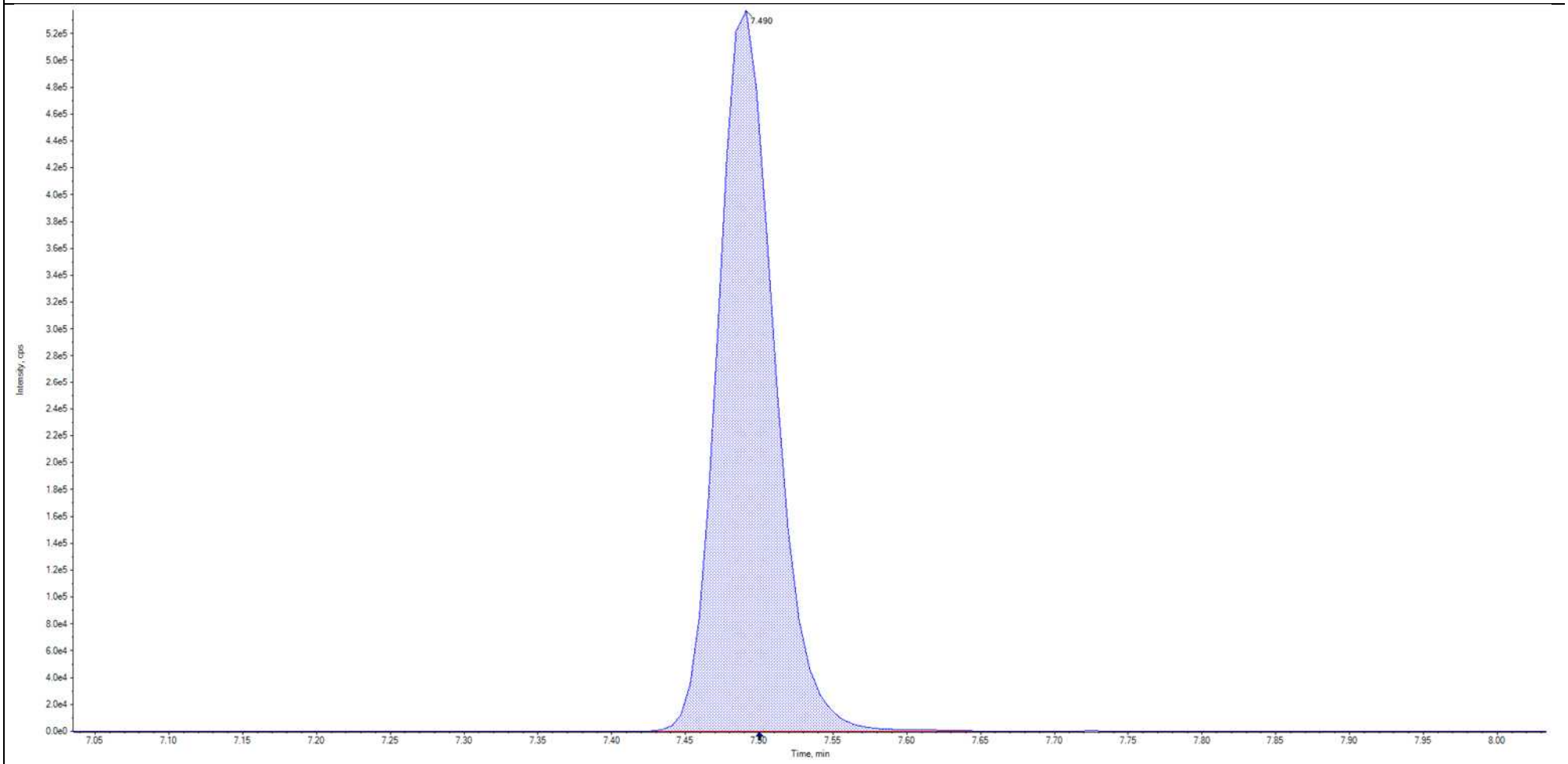
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFHpA
Sample: WG1958909-2,INSTBLANK

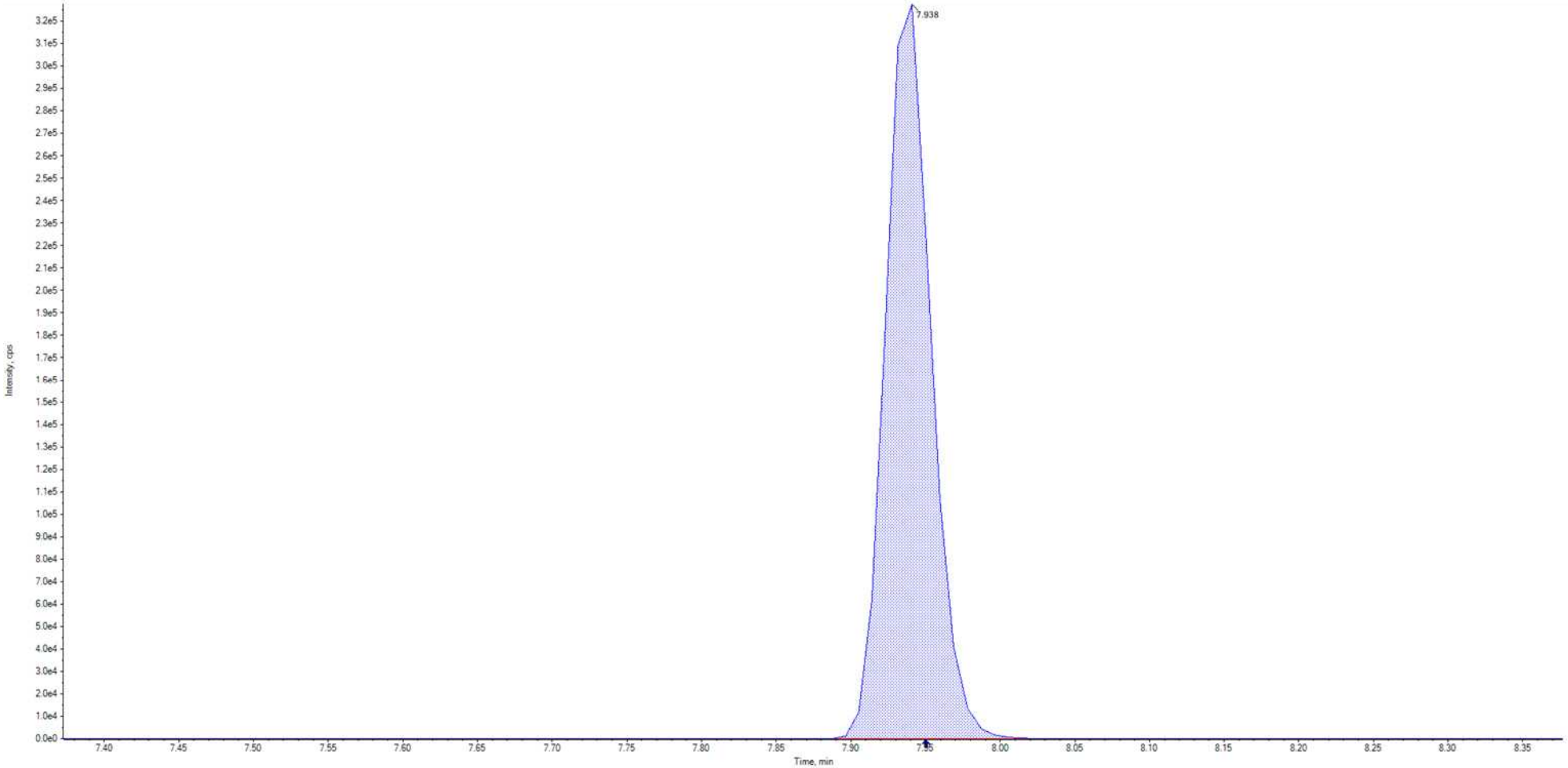


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

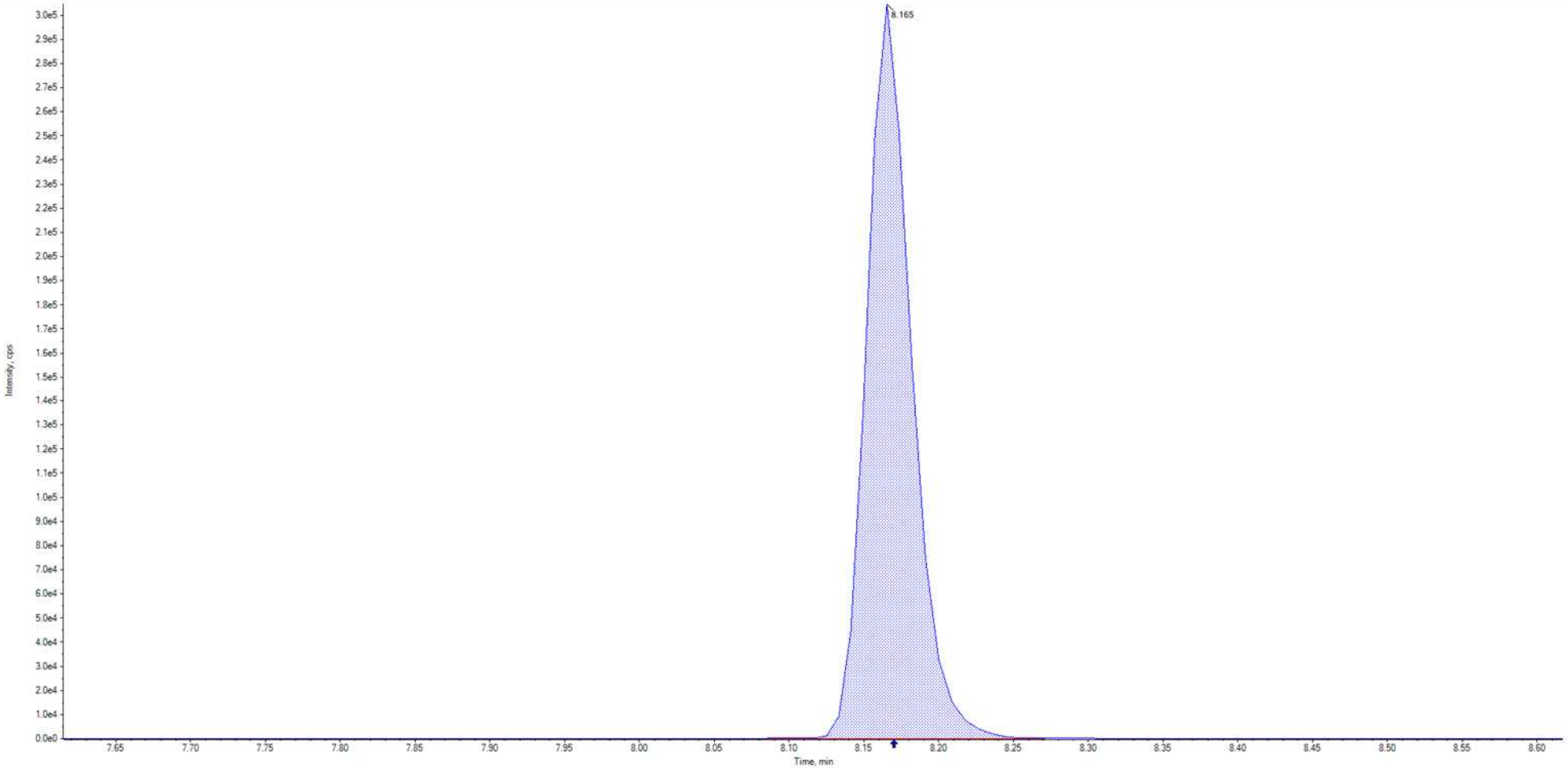
13C8-PFOA
Sample: WG1958909-2,INSTBLANK



13C9-PFNA
Sample: WG1958909-2,INSTBLANK

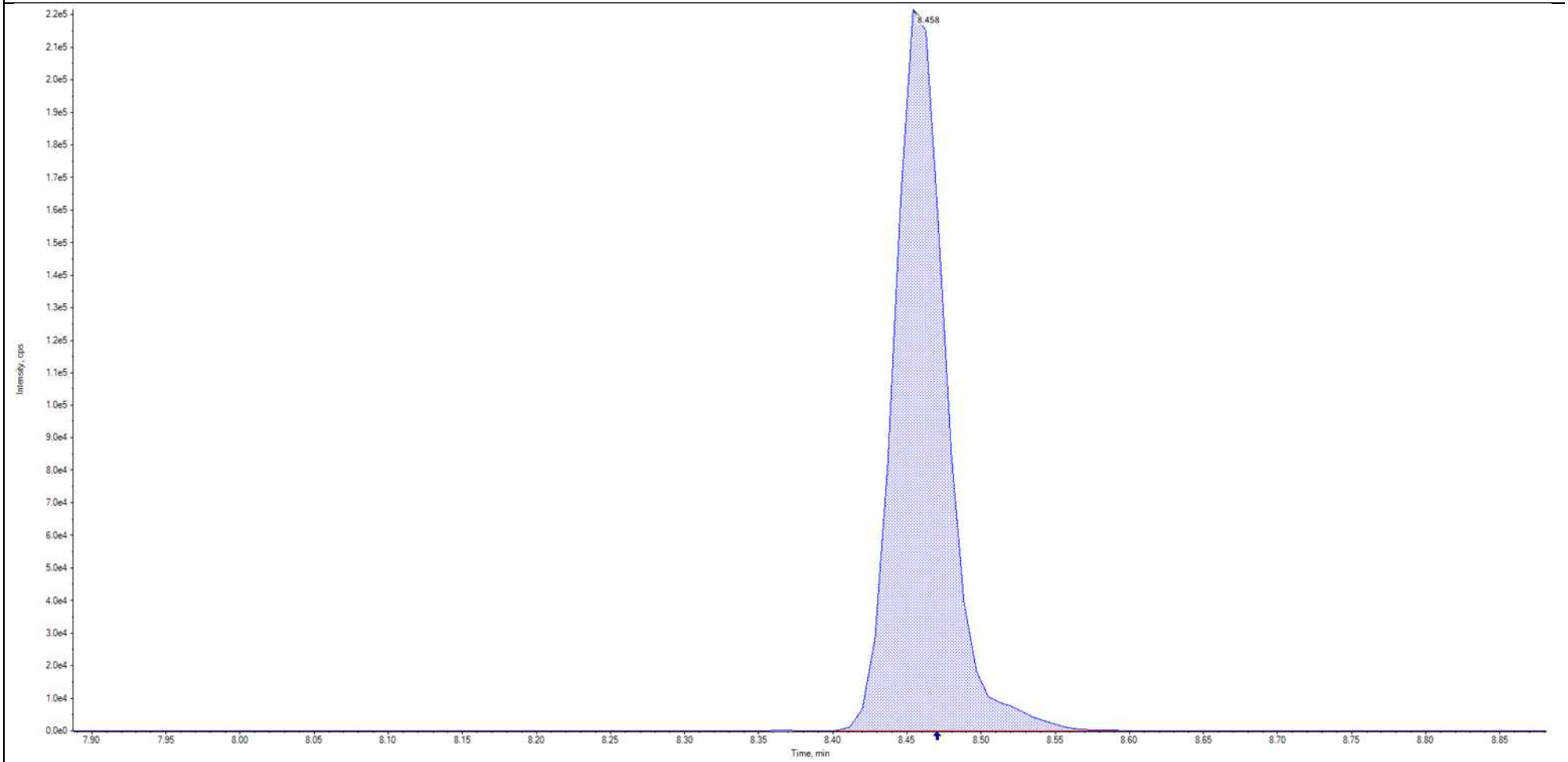


13C6-PFDA
Sample: WG1958909-2,INSTBLANK



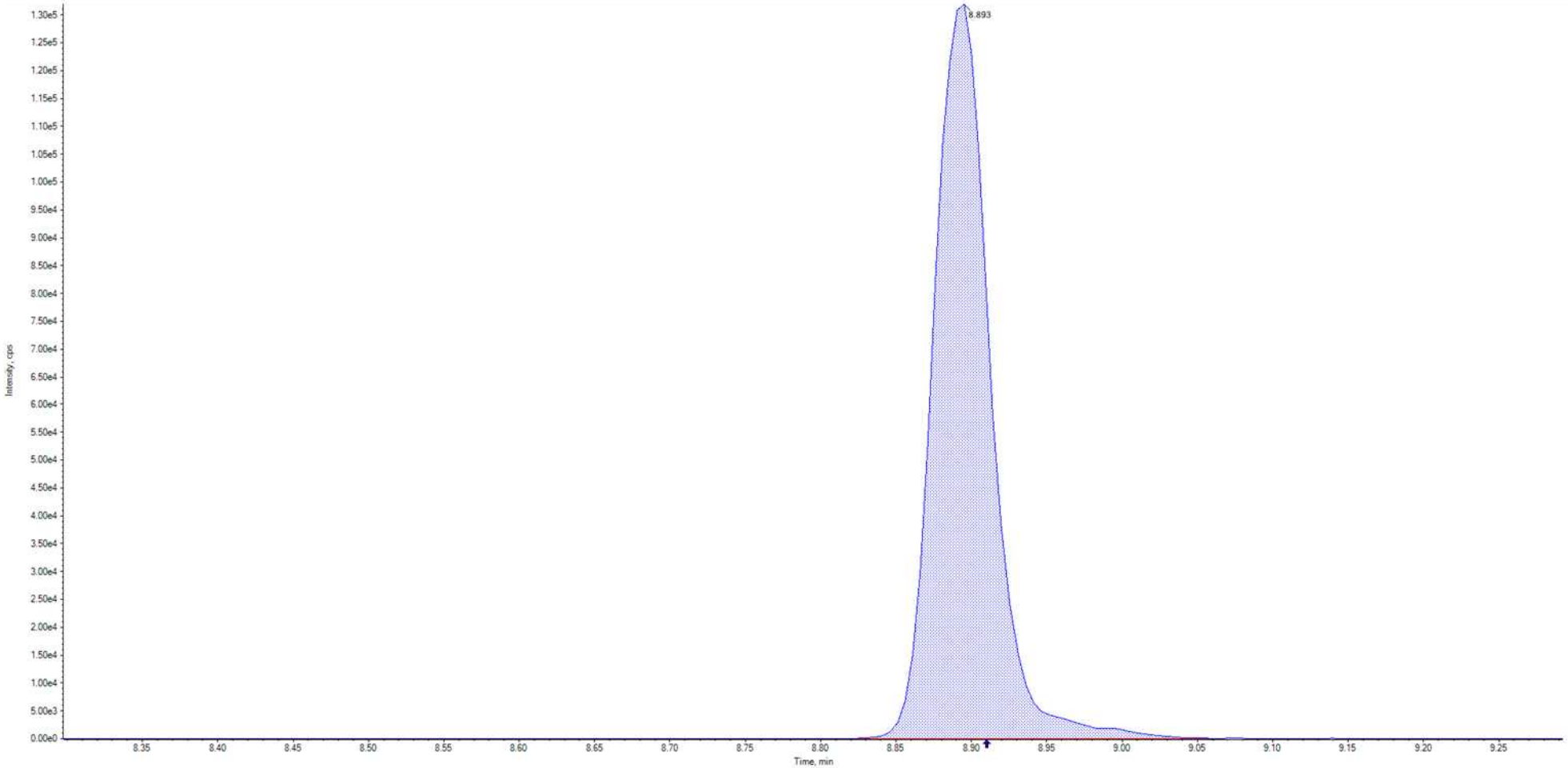
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C7-PFUnA
Sample: WG1958909-2,INSTBLANK

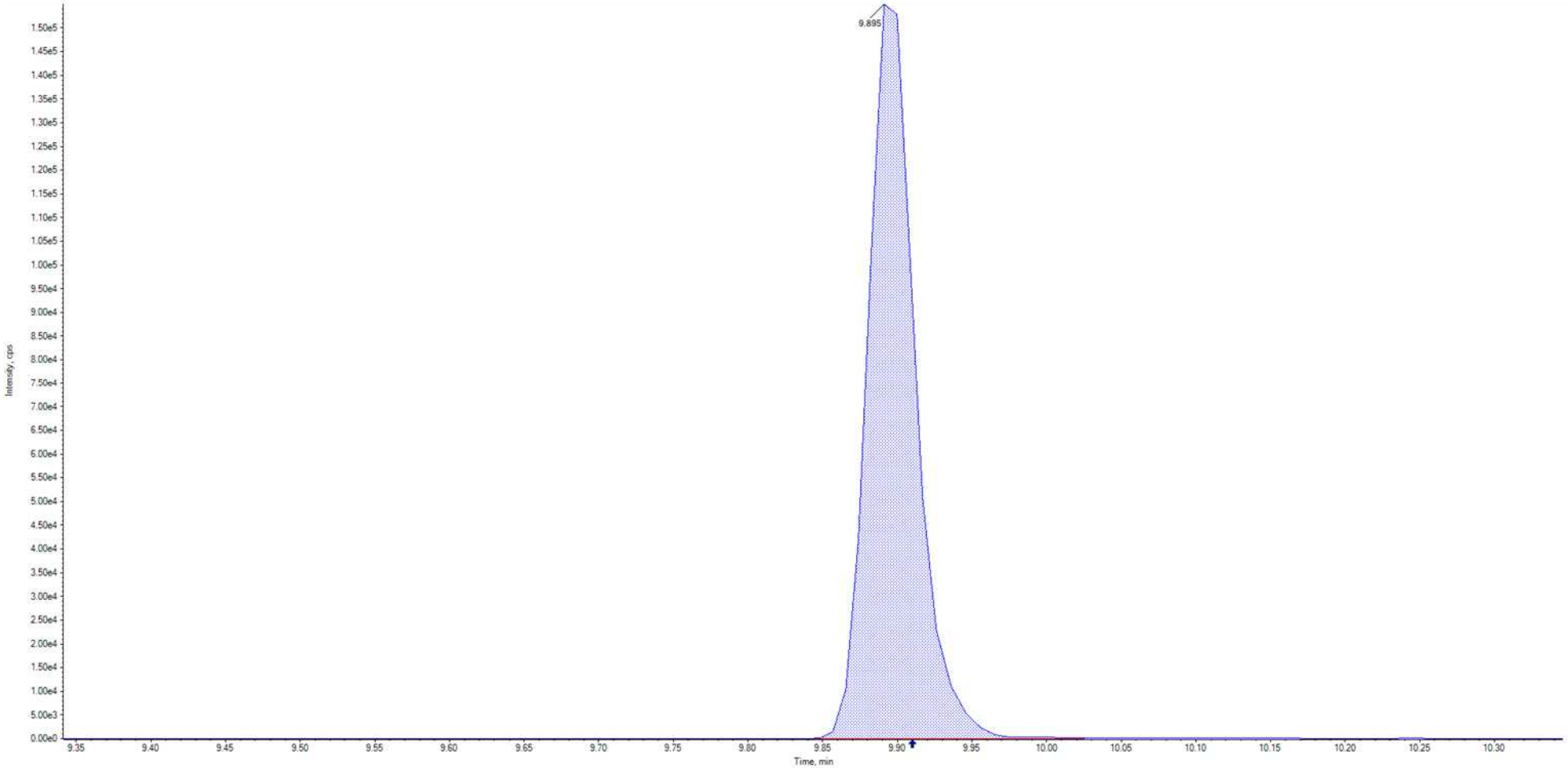


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

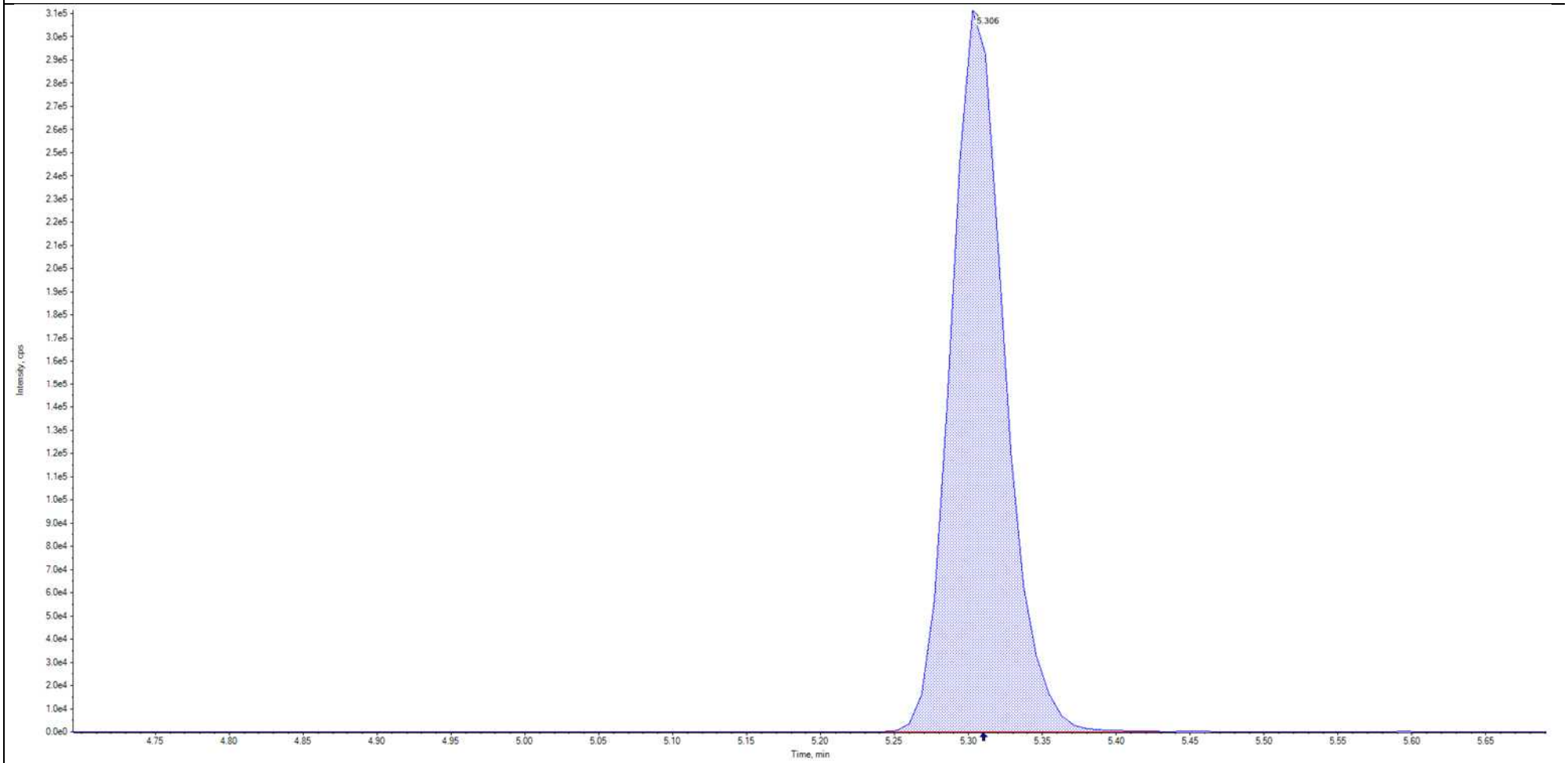
13C2-PFDoA
Sample: WG1958909-2,INSTBLANK



13C2-PFTeDA
Sample: WG1958909-2,INSTBLANK

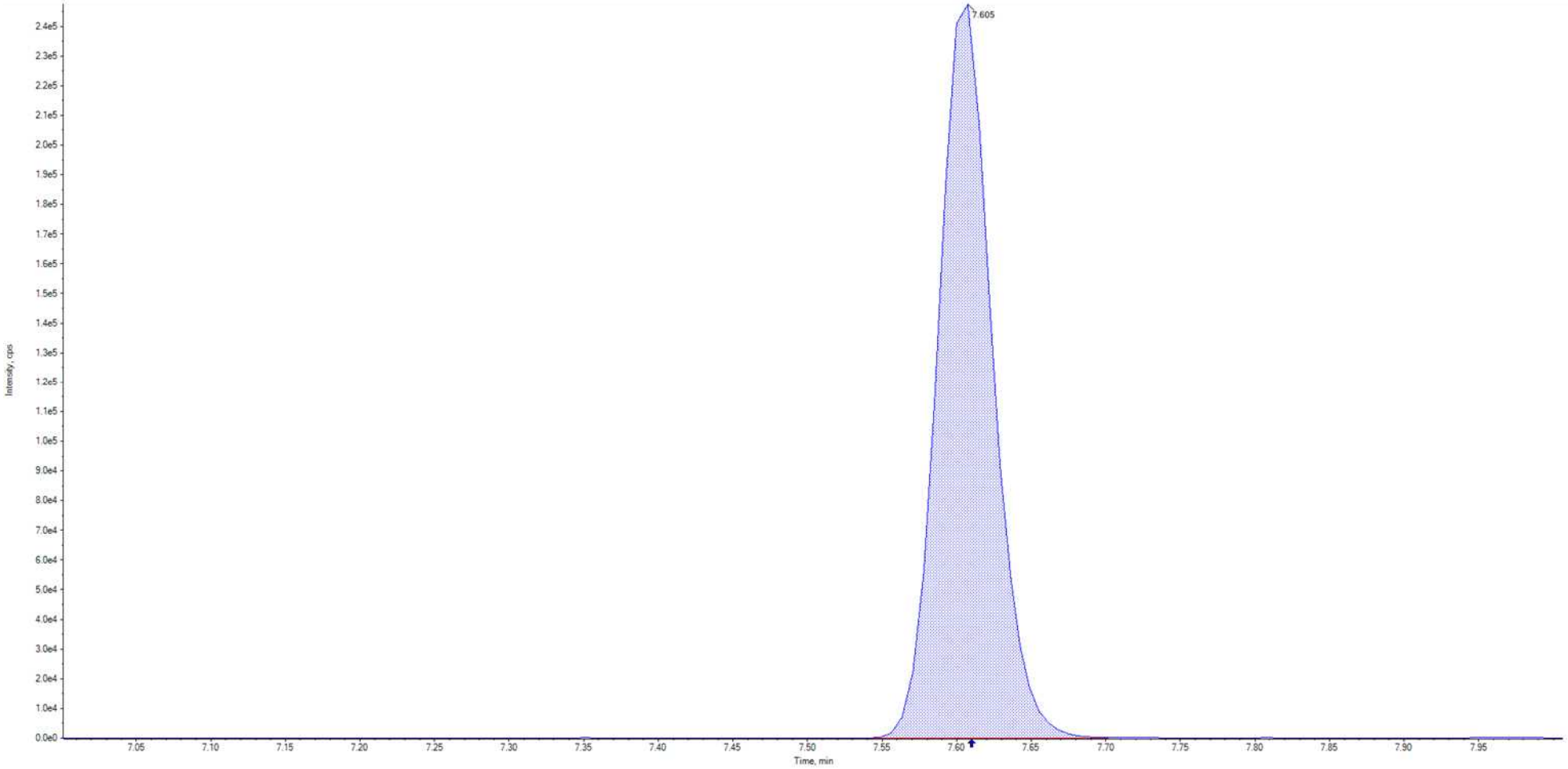


13C3-PFBS
Sample: WG1958909-2,INSTBLANK



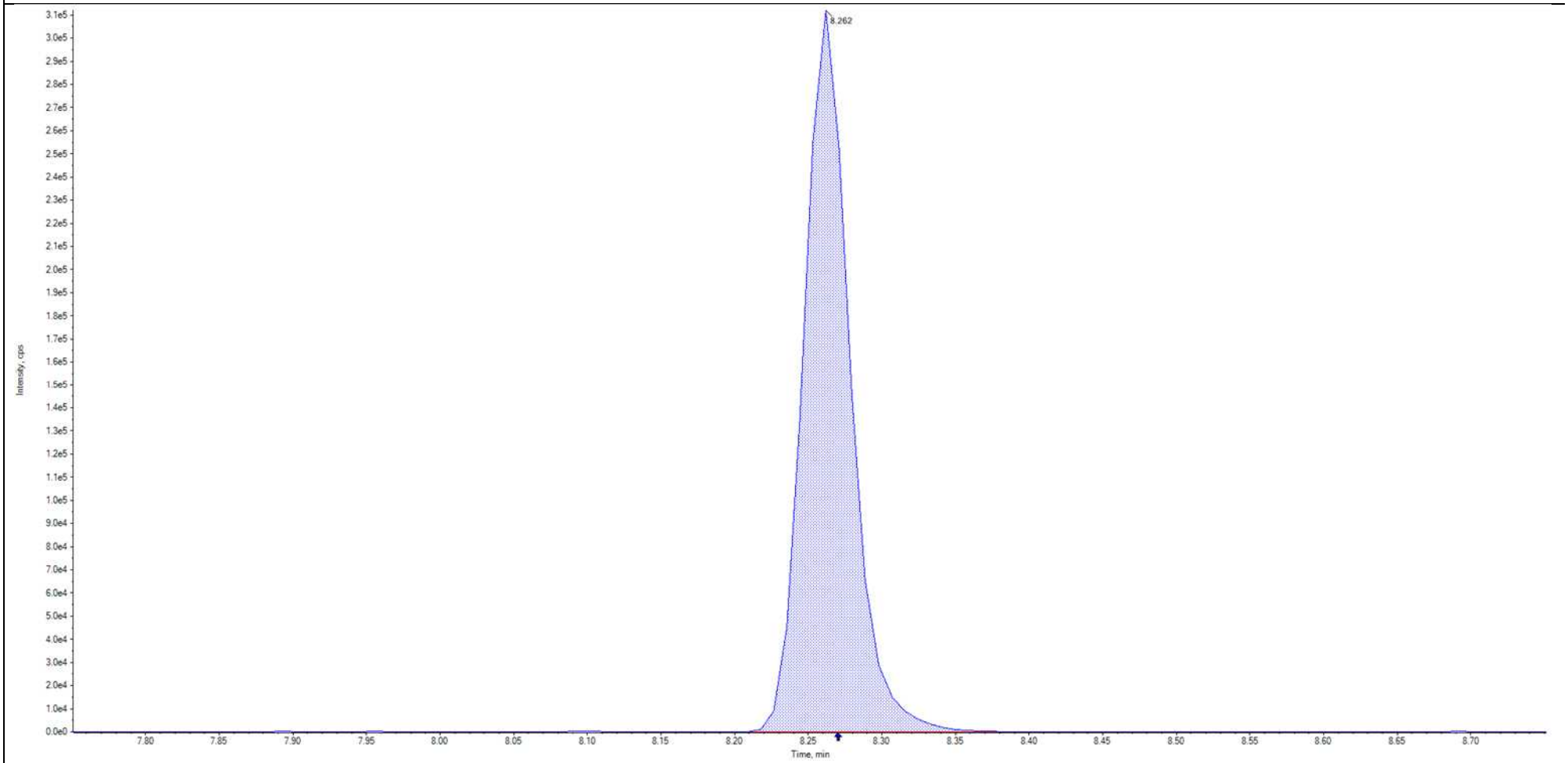
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFHxS
Sample: WG1958909-2,INSTBLANK



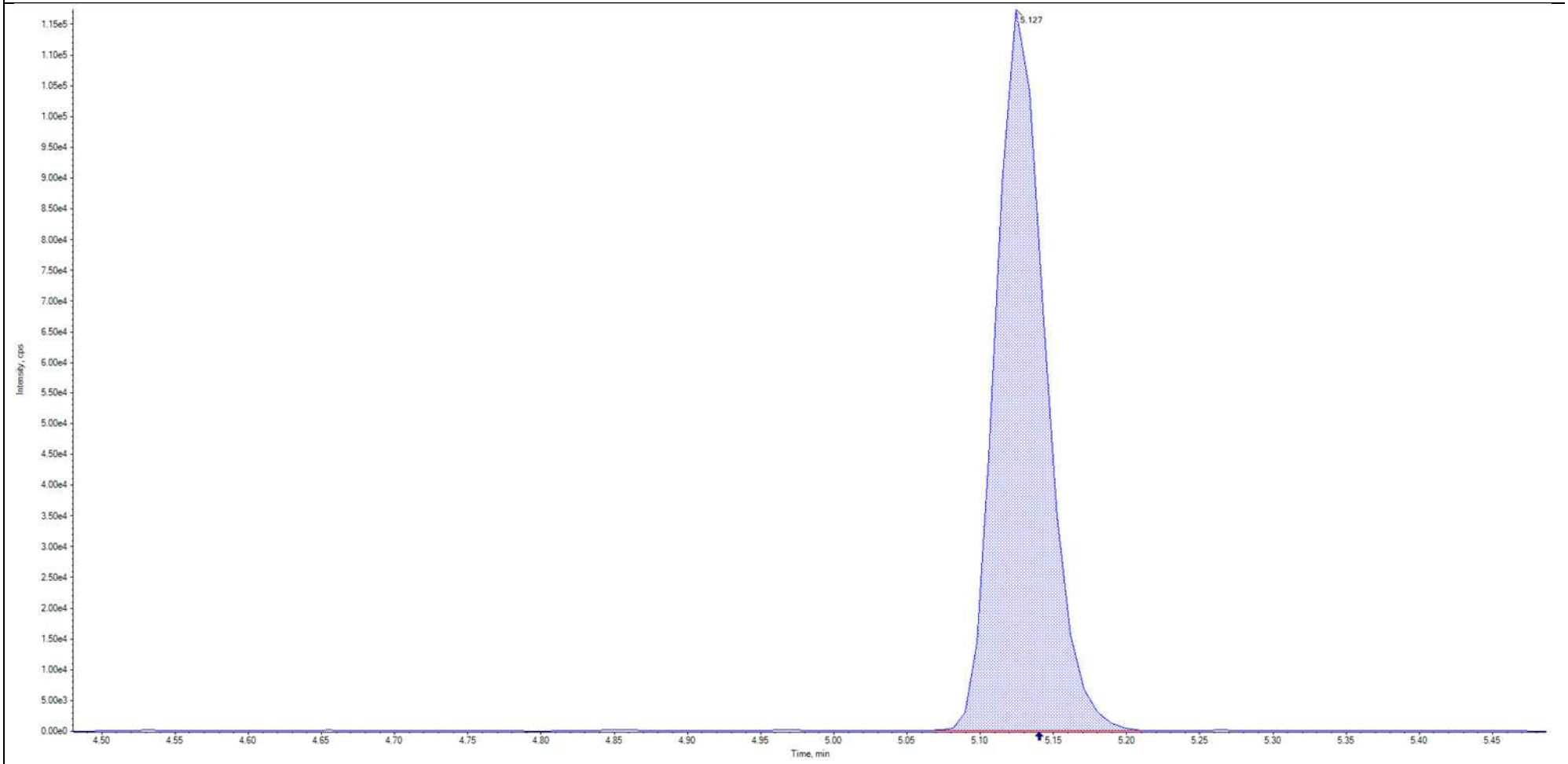
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C8-PFOS
Sample: WG1958909-2,INSTBLANK

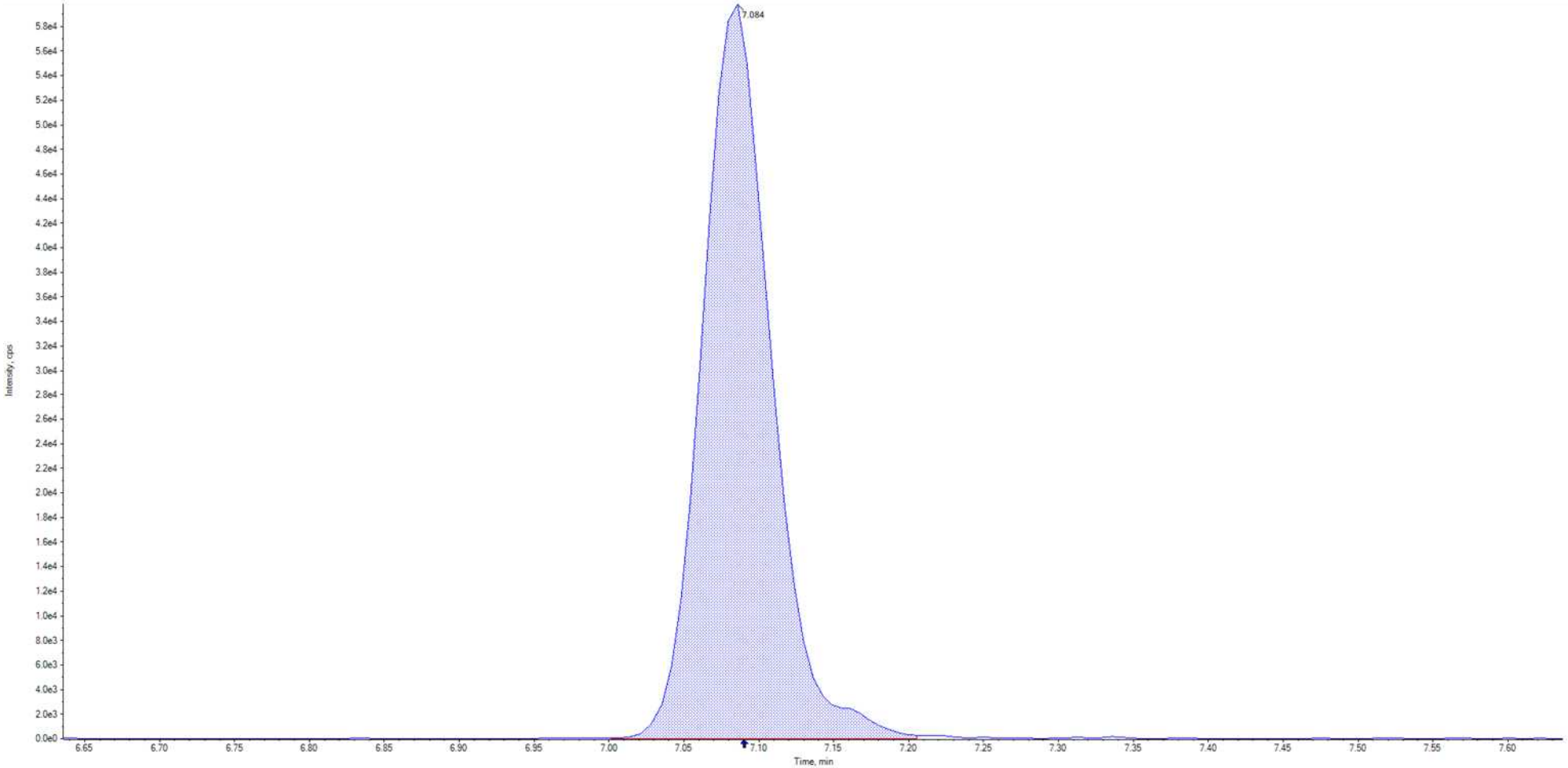


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-4:2FTS
Sample: WG1958909-2,INSTBLANK

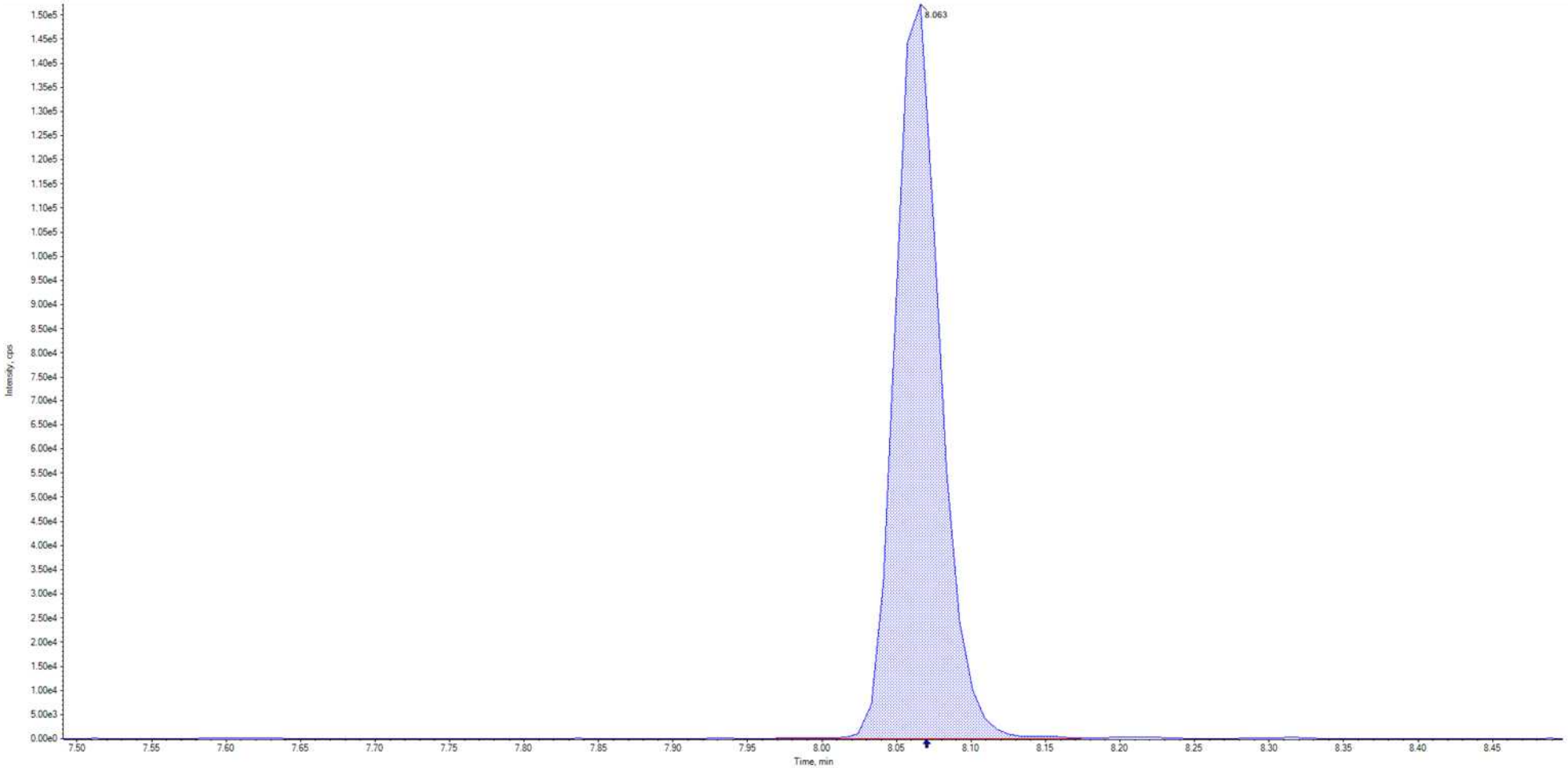


13C2-6:2FTS
Sample: WG1958909-2,INSTBLANK

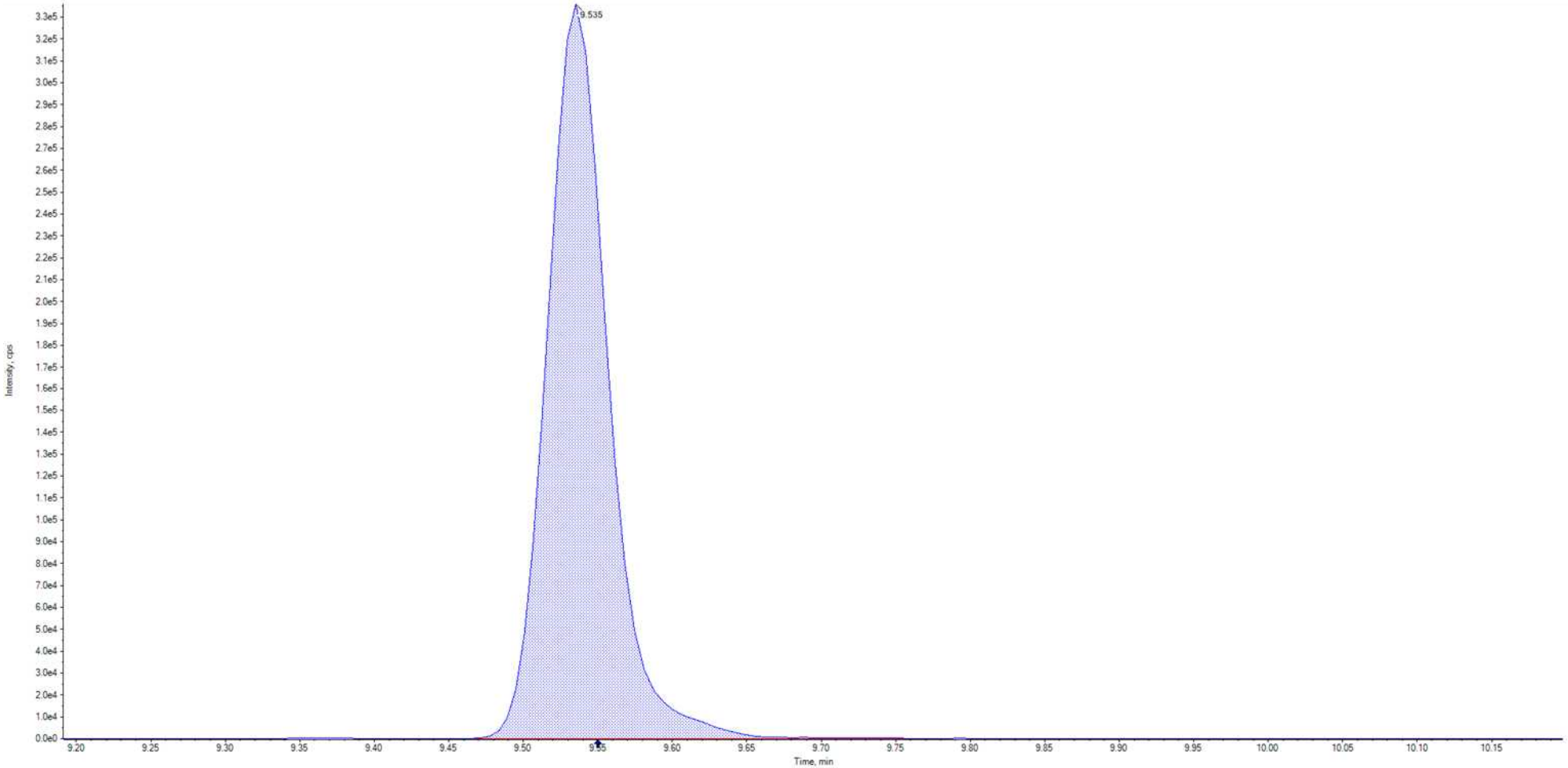


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-8:2FTS
Sample: WG1958909-2,INSTBLANK

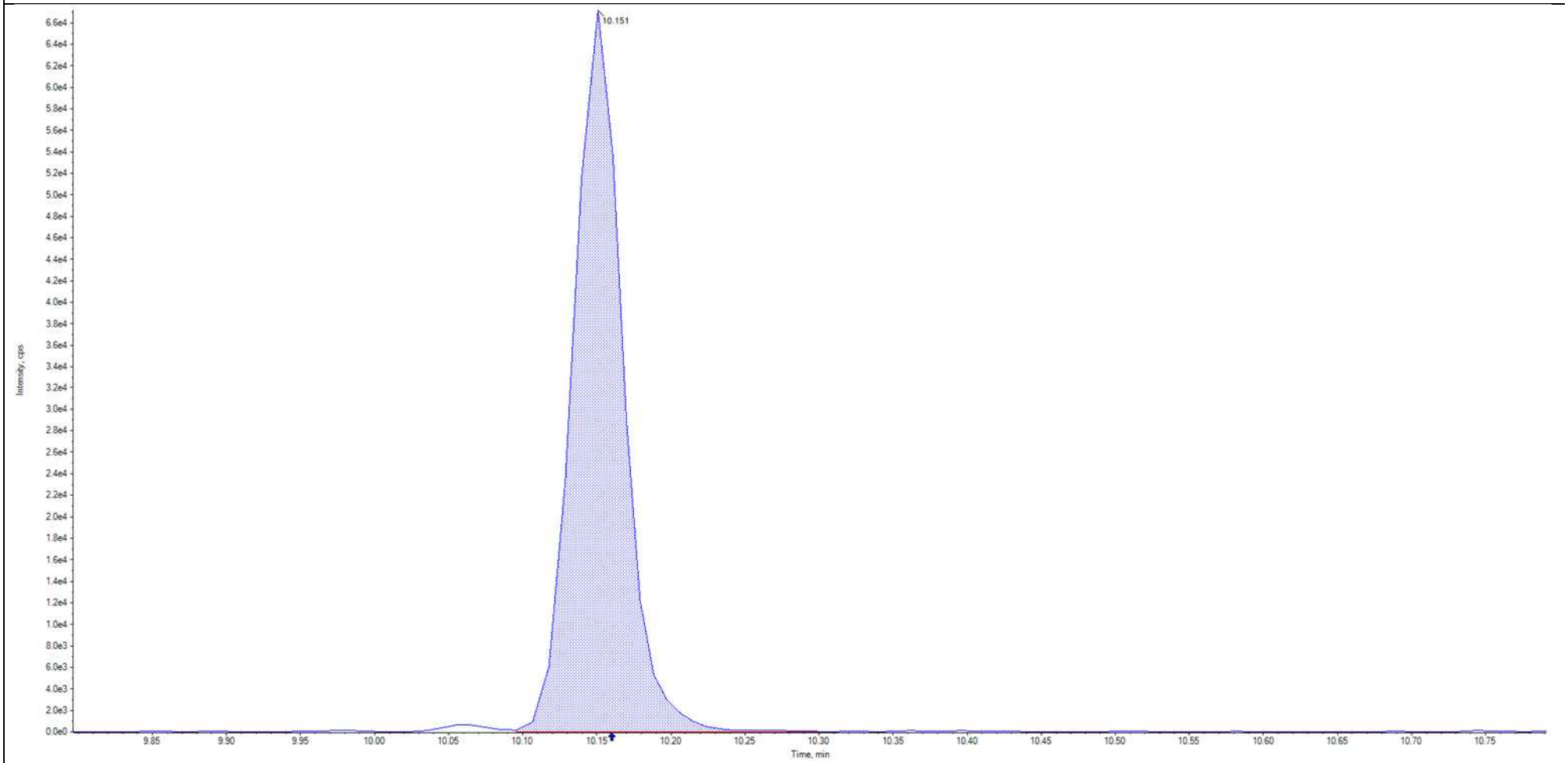


13C8-PFOSA
Sample: WG1958909-2,INSTBLANK

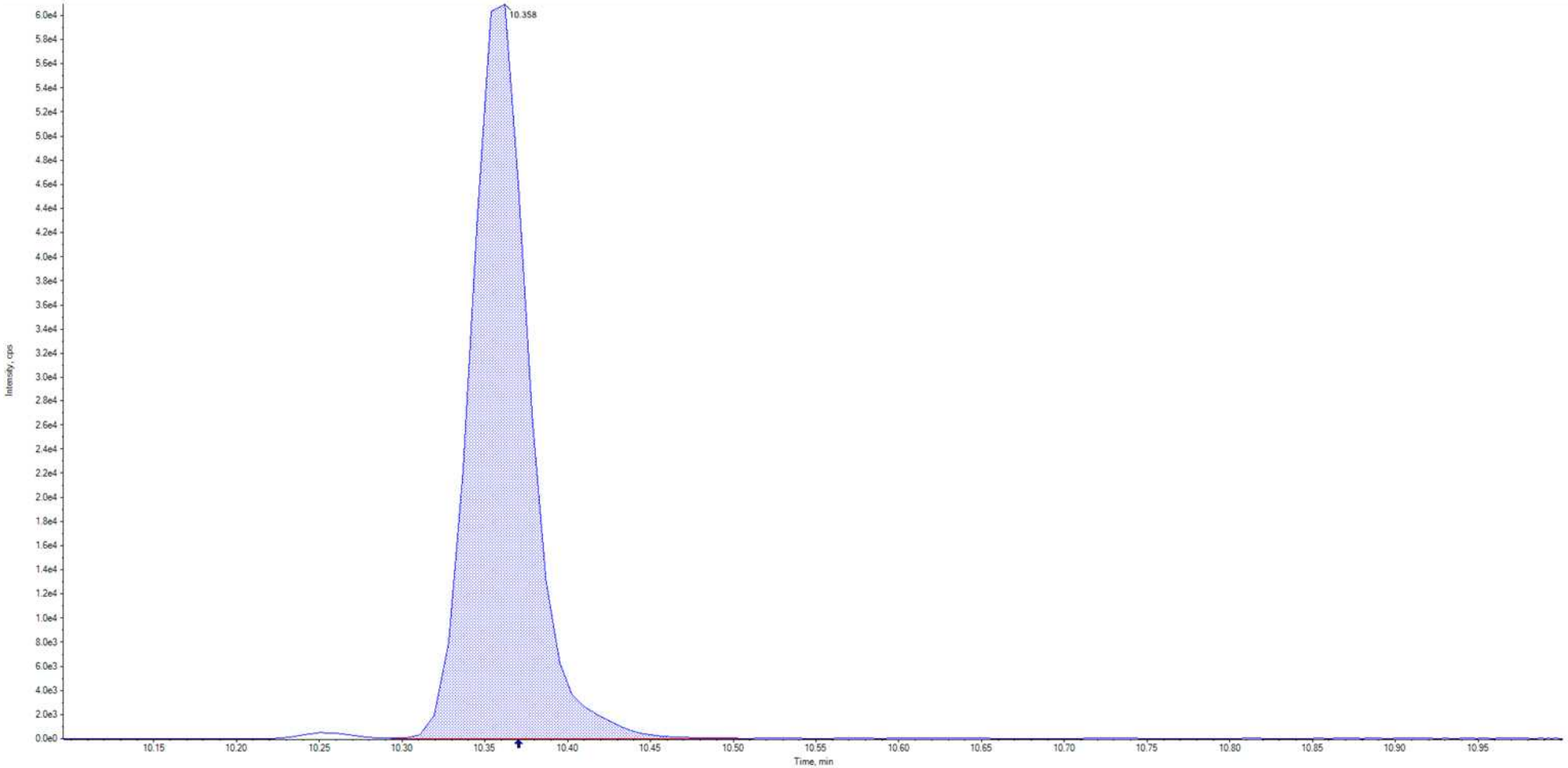


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

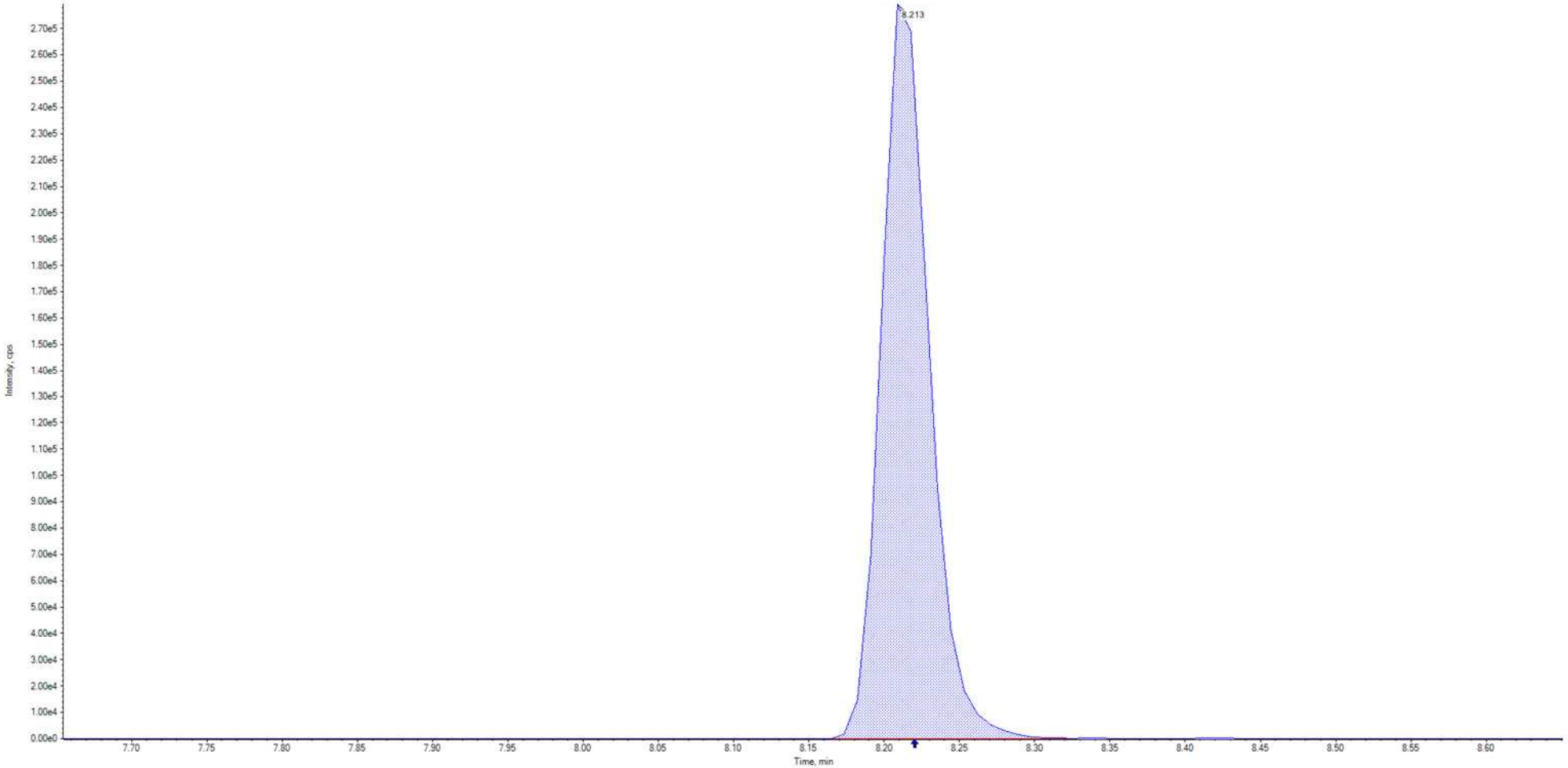
d3-NMeFOSA
Sample: WG1958909-2,INSTBLANK



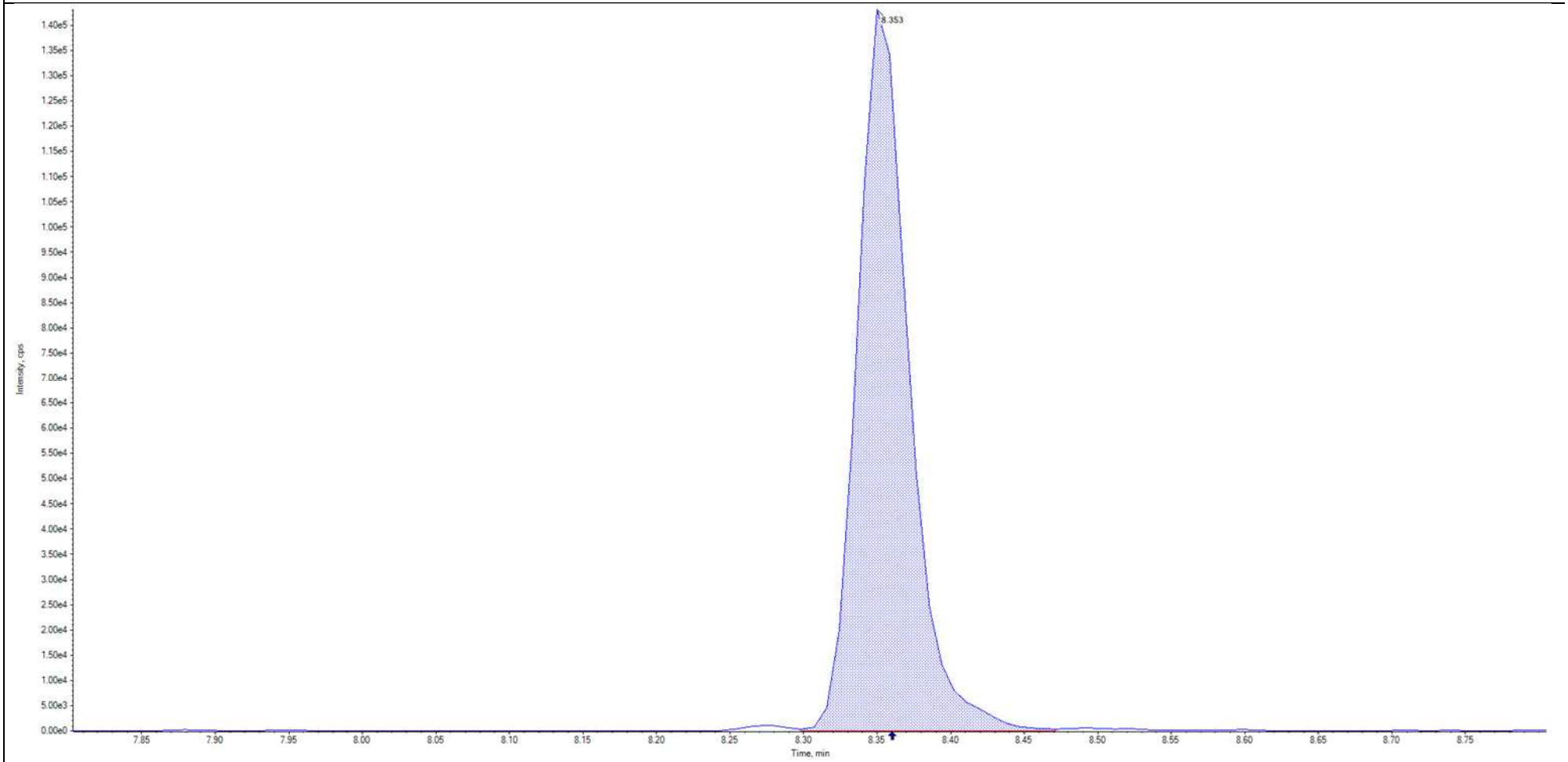
d5-NEtFOSA
Sample: WG1958909-2,INSTBLANK



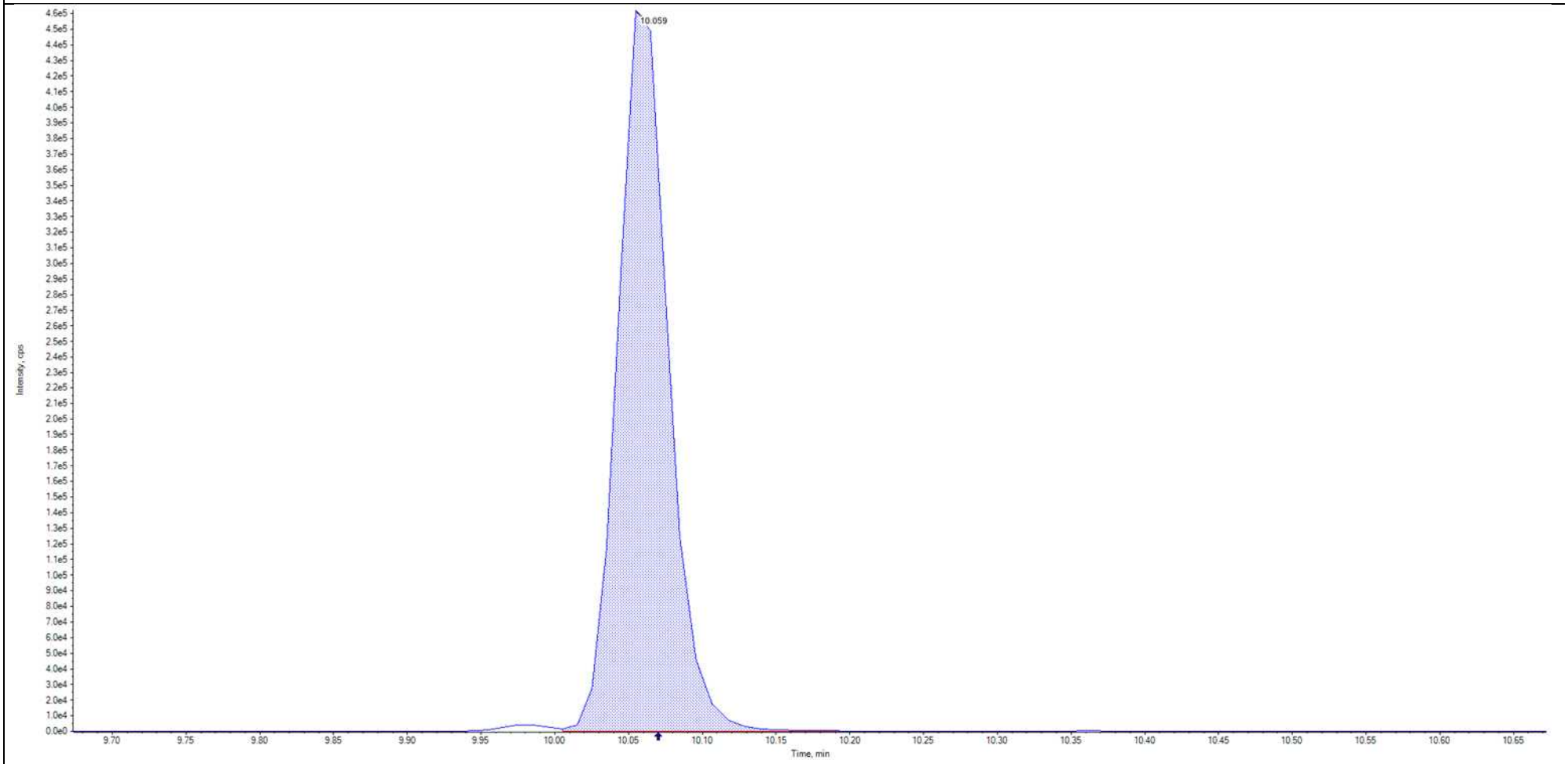
d3-NMeFOSAA
Sample: WG1958909-2,INSTBLANK



d5-NEtFOSAA
Sample: WG1958909-2,INSTBLANK

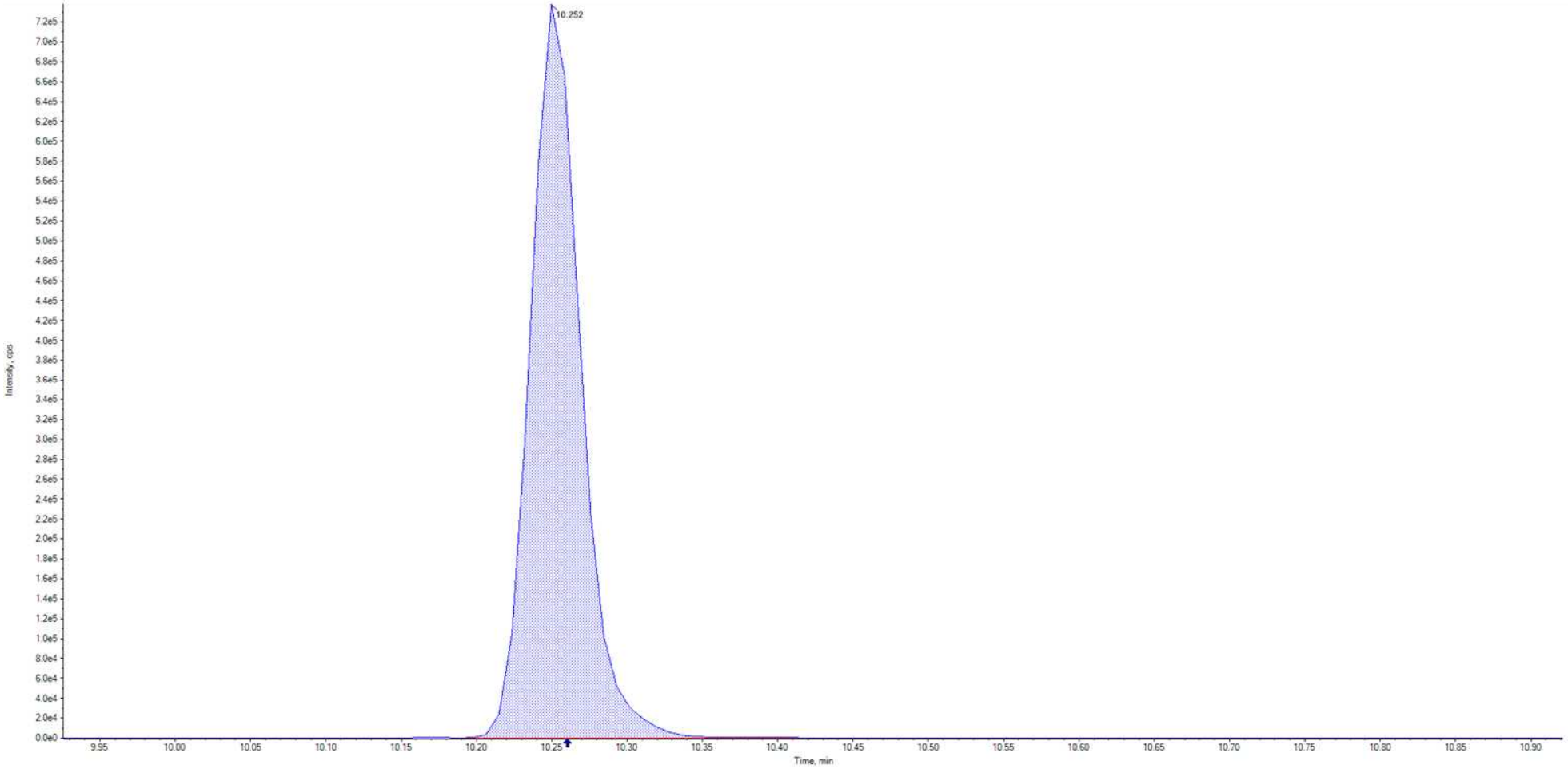


d7-NMeFOSE
Sample: WG1958909-2,INSTBLANK

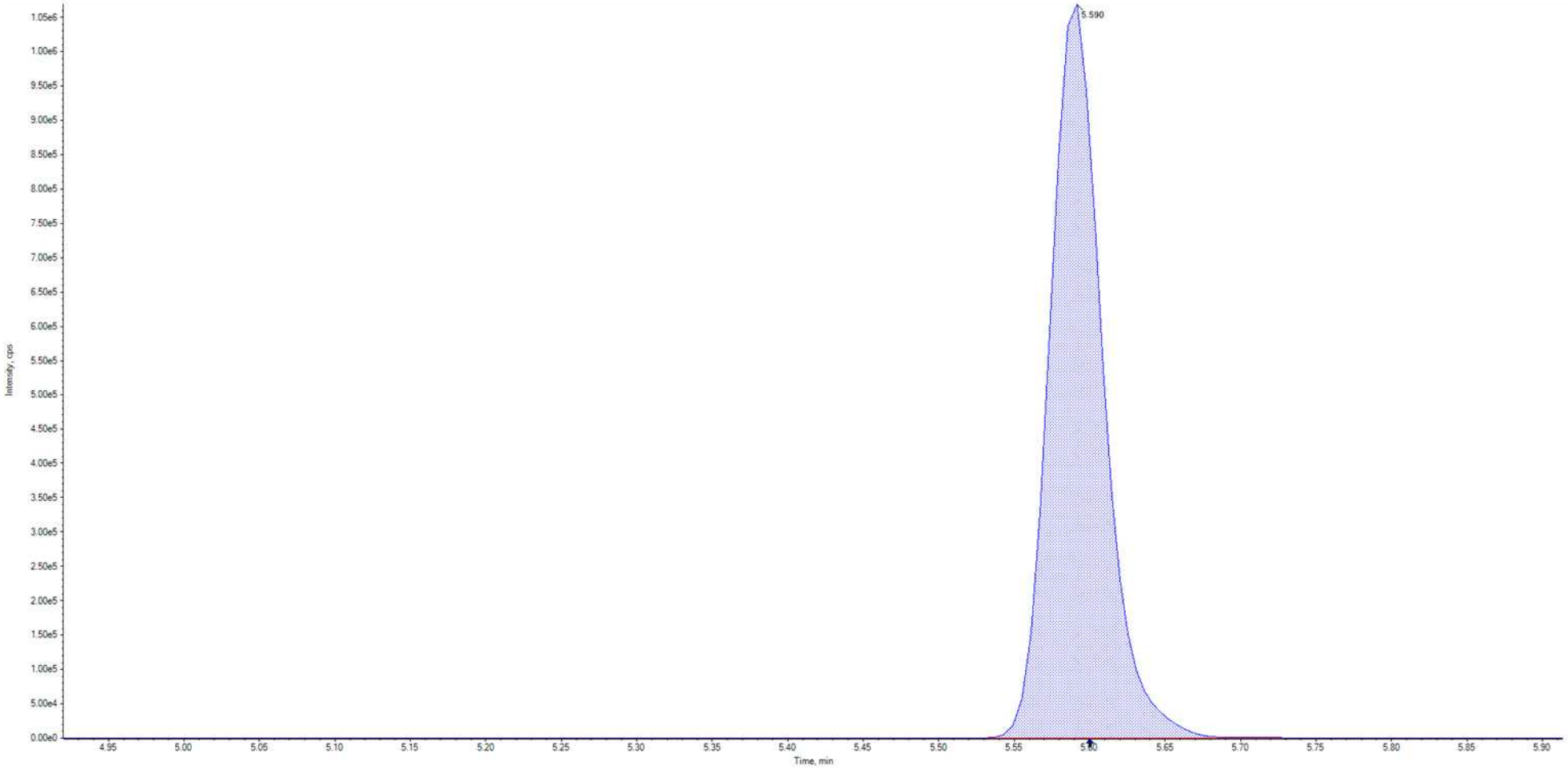


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

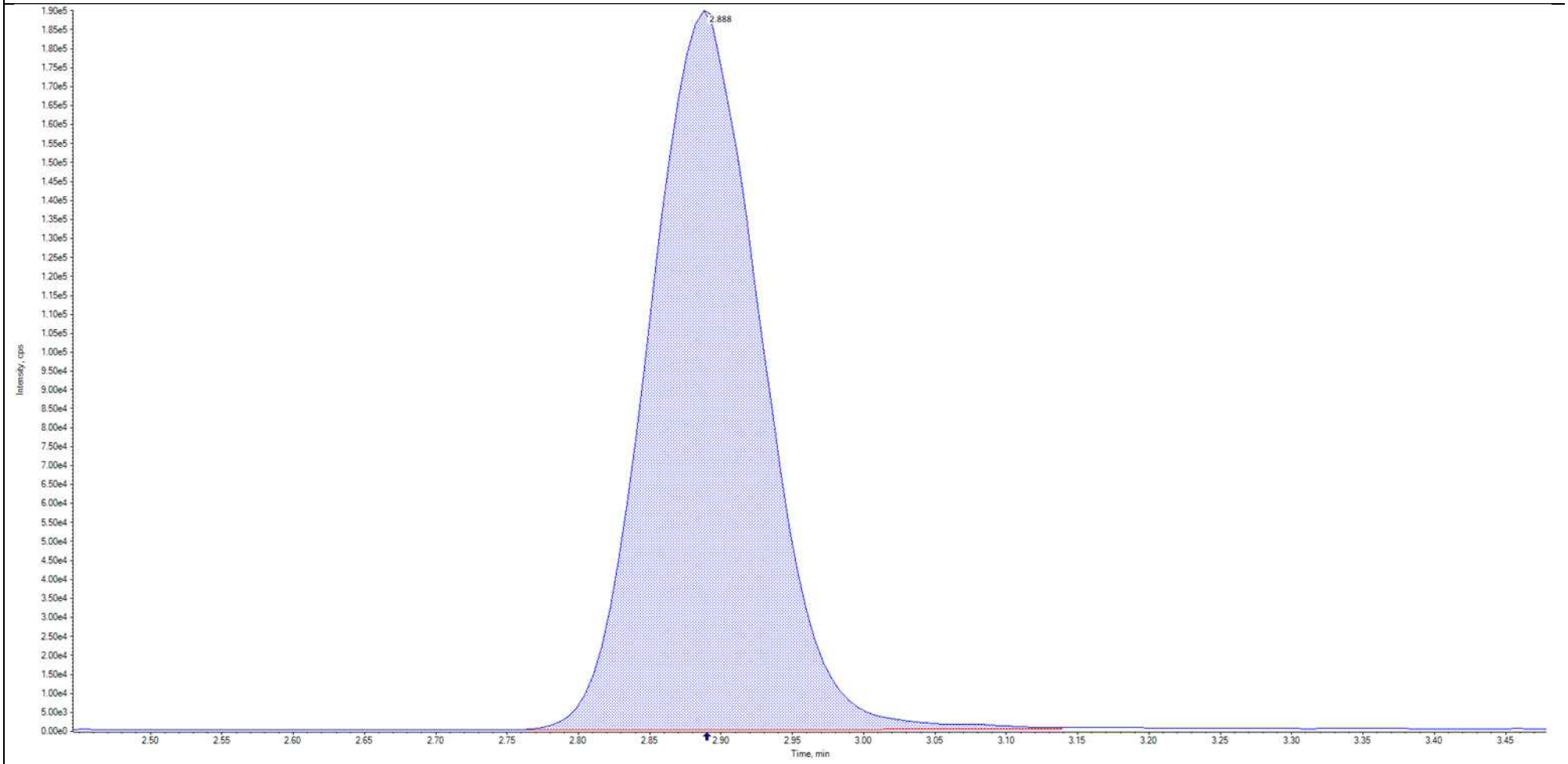
d9-NEtFOSE
Sample: WG1958909-2,INSTBLANK



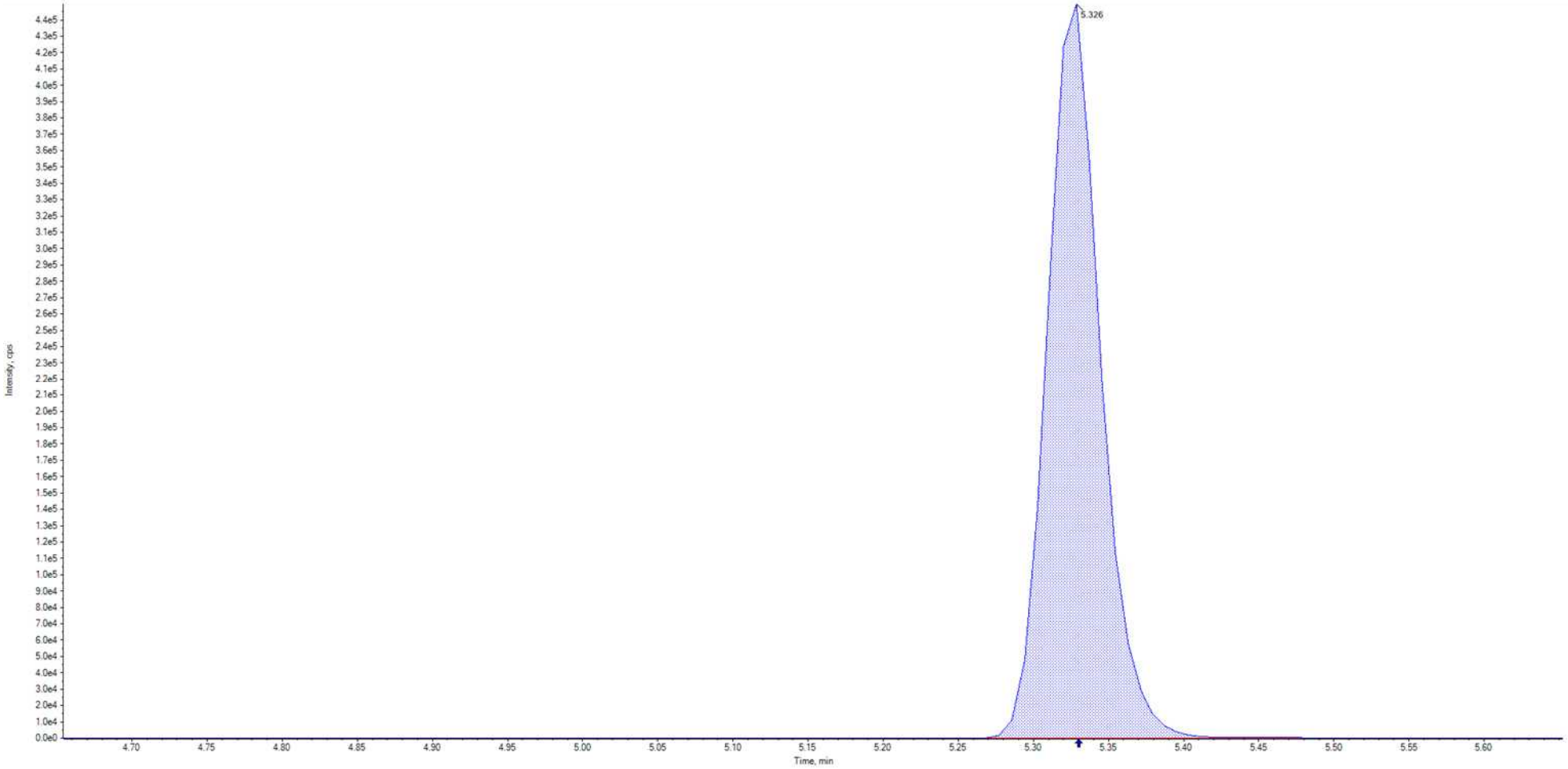
13C3-HFPO-DA
Sample: WG1958909-2,INSTBLANK



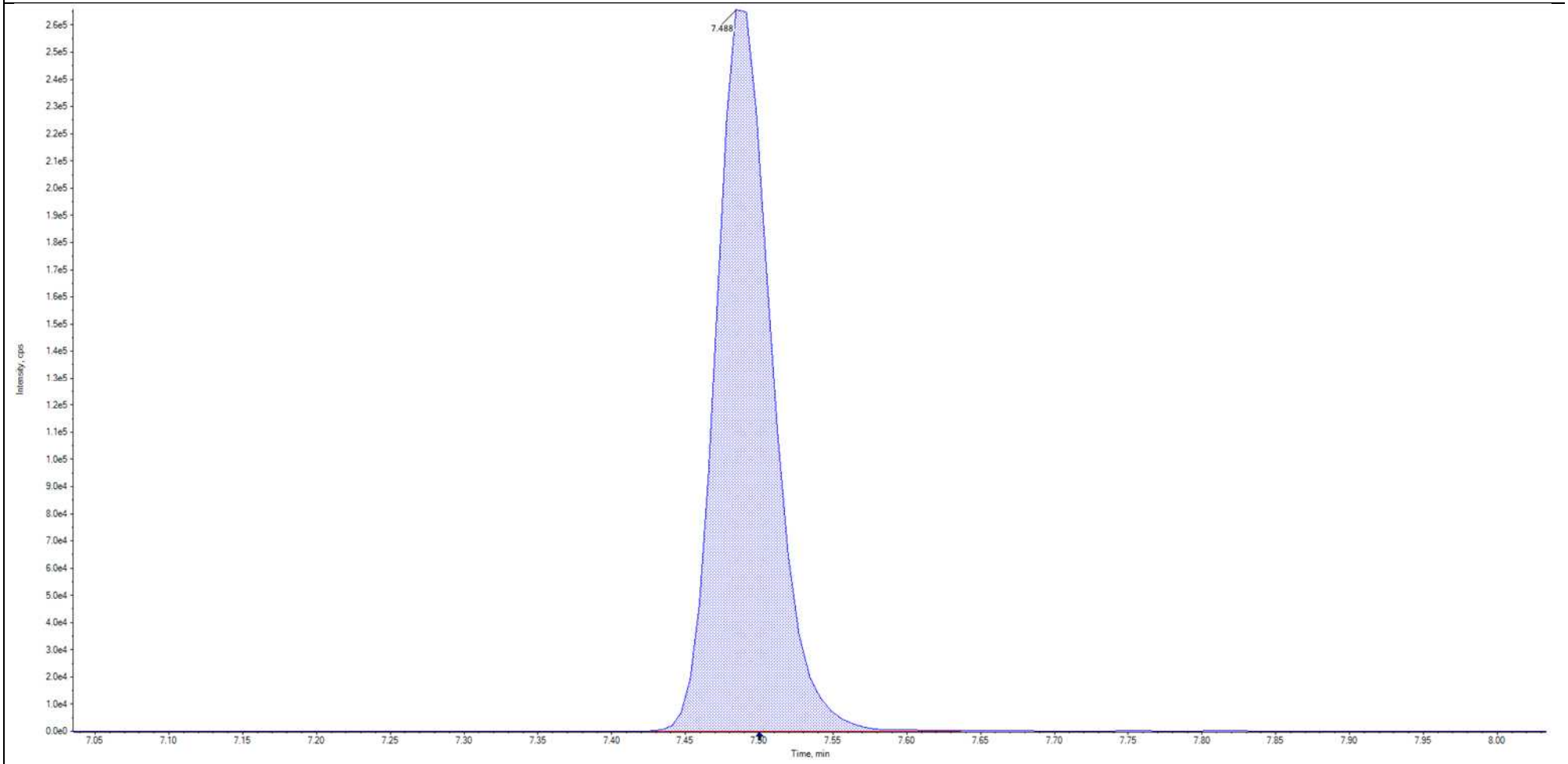
13C3-PFBA
Sample: WG1958909-2,INSTBLANK



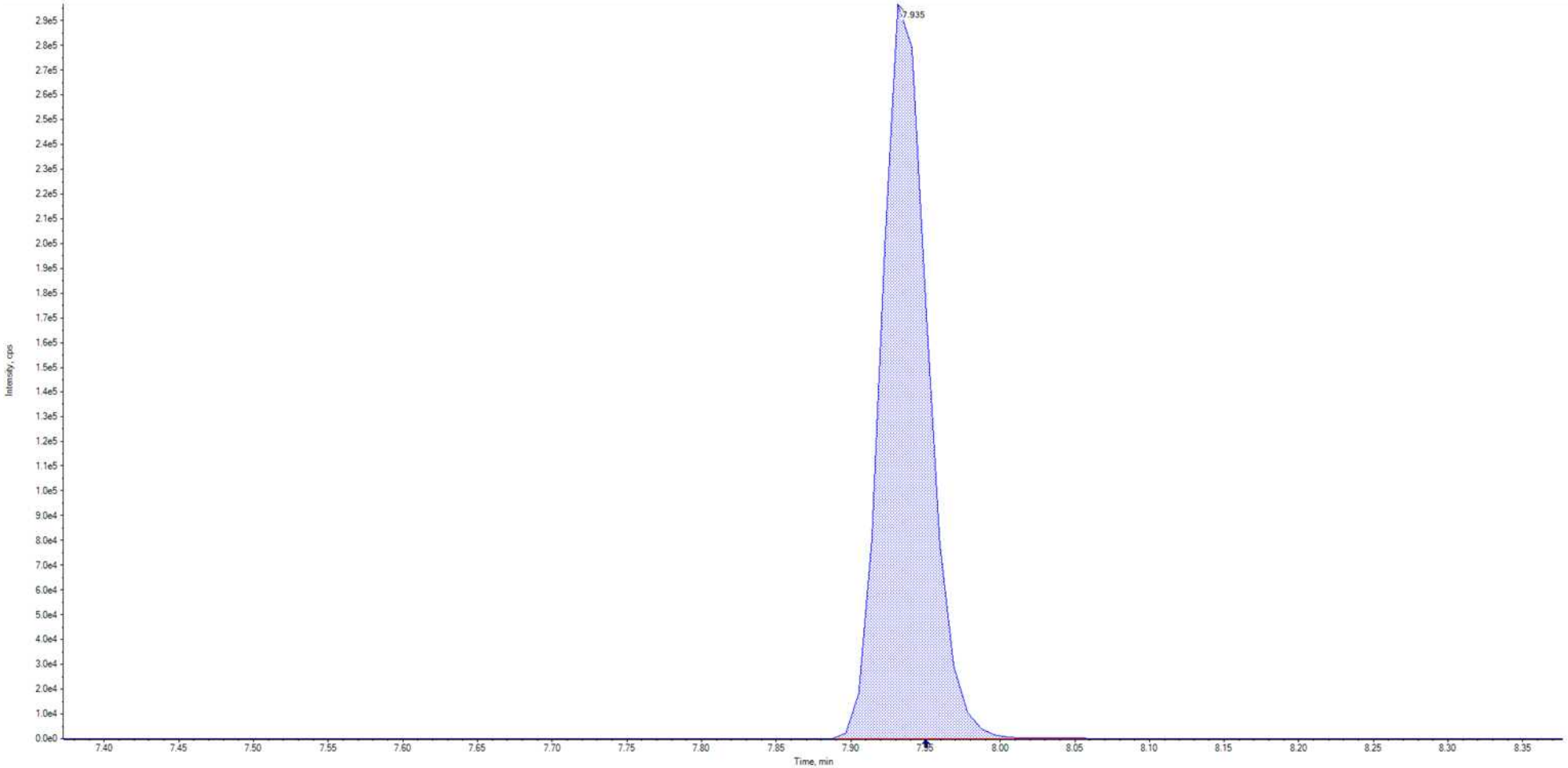
13C2-PFHxA
Sample: WG1958909-2,INSTBLANK



13C4-PFOA
Sample: WG1958909-2,INSTBLANK

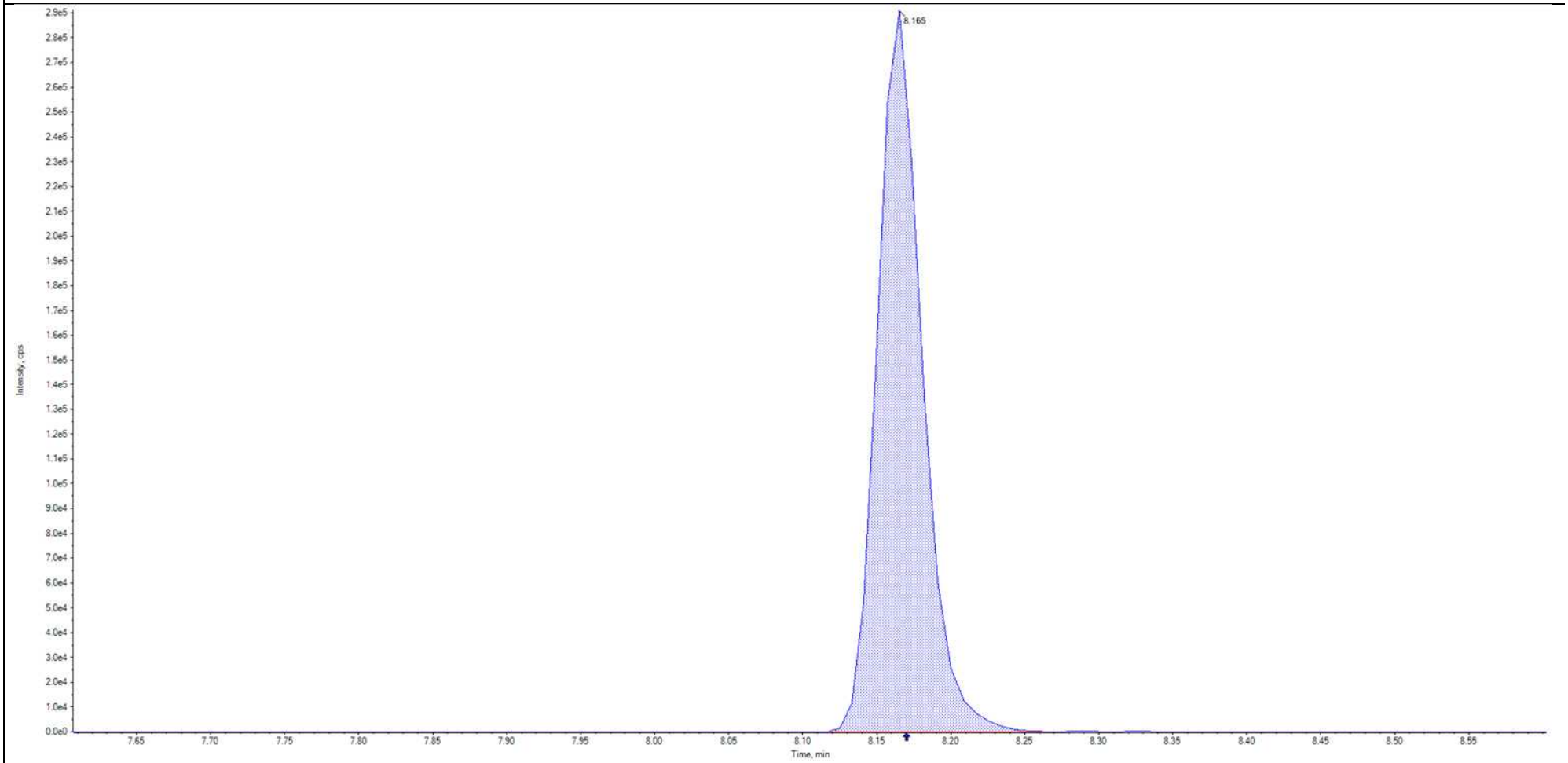


13C5-PFNA
Sample: WG1958909-2,INSTBLANK

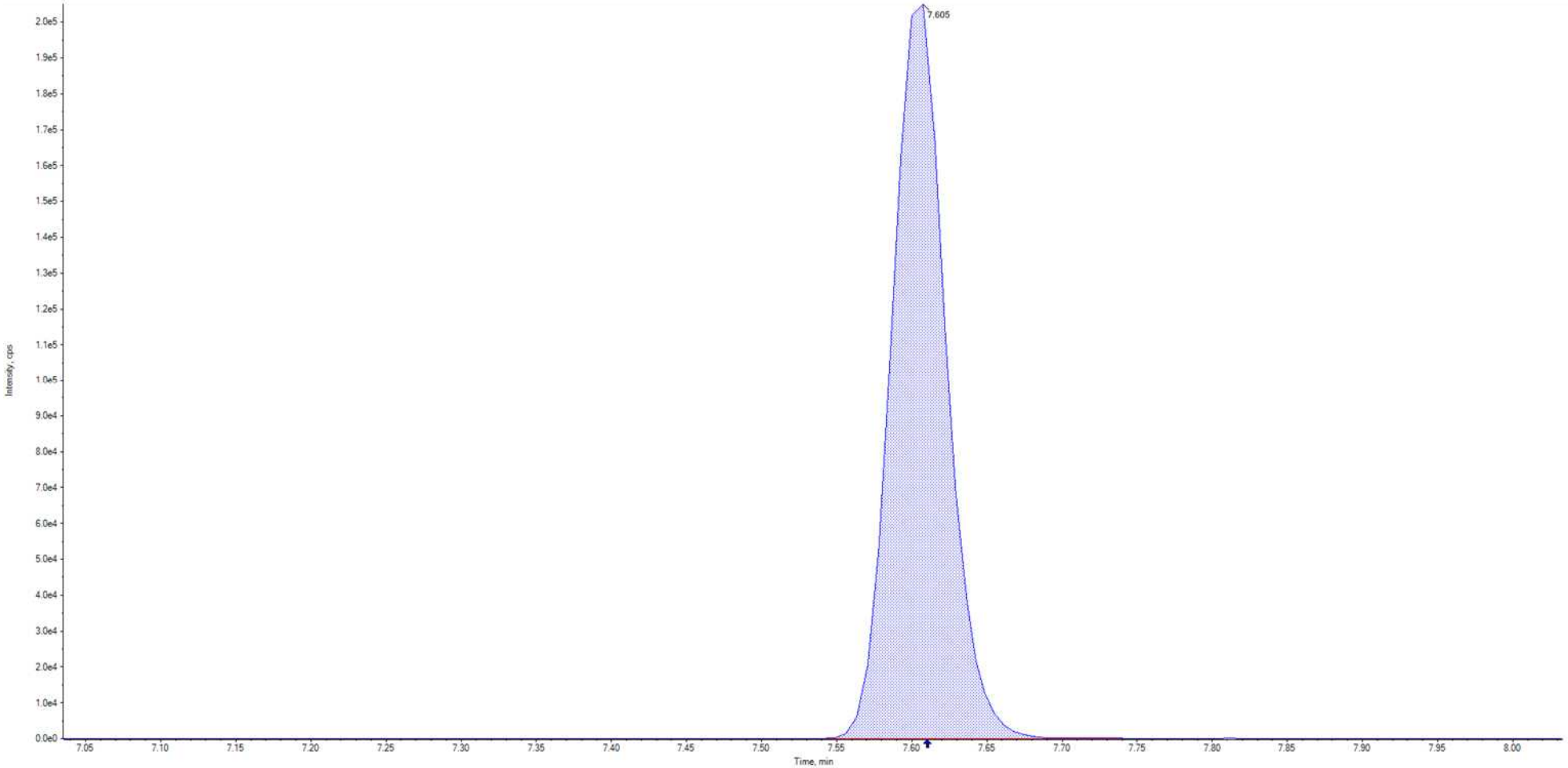


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFDA
Sample: WG1958909-2,INSTBLANK

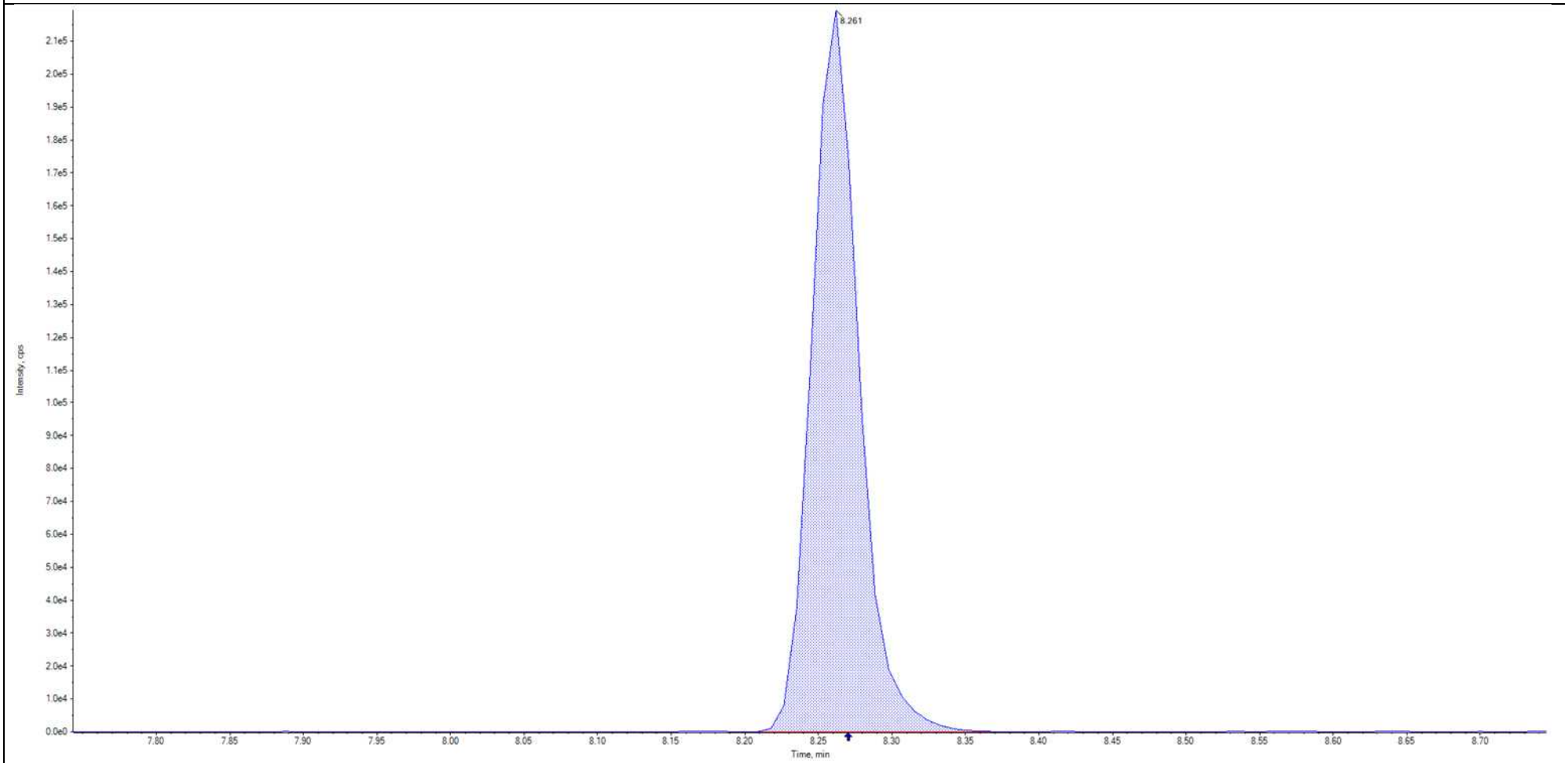


18O2-PFHxS
Sample: WG1958909-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: WG1958909-2,INSTBLANK



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_80.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1958909-3,INSTBLANK
Name: SCI05_240813_81.wiff
Date & Time: 2024-08-13T23:57:47
Description: WG1958909
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	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	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	5.14	327.1 / 307.1	24729		0.206	0.509	0.516	Pass	N/A
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	12589		0.196	0.509	0.516	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	13295	M5	0.112	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	23968	M5	0.112	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	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	8.21	441.1 / 316.9	31669		0.325	1.670	1.558	Pass	N/A
69	7:3FTCA_2	812-70-4	8.21	441.1 / 337.1	52892		0.374	1.670	1.558	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.13	333.2 / 312.1	923024		5.338	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.50	415.0 / 370.0	3303332		2.507	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	2.89	217.0 / 172.0	2523656		10.263	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	4.64	268.0 / 223.0	1581078		5.176	NA	NA	NA	103.5
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	989418		2.466	NA	NA	NA	98.6
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1021617		2.543	NA	NA	NA	101.7
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1503887		2.527	NA	NA	NA	101.1
	13C9-PFNA	EIS	7.94	472.0 / 427.0	704924		1.210	NA	NA	NA	96.8
	13C6-PFDA	EIS	8.17	519.0 / 474.0	703562		1.299	NA	NA	NA	104.0
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	591561		1.350	NA	NA	NA	108.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.89	615.1 / 570.0	355414		1.247	NA	NA	NA	99.8
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	354461		1.146	NA	NA	NA	91.7
	13C3-PFBS	EIS	5.31	302.1 / 80.1	784429		2.435	NA	NA	NA	104.5
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	624714		2.441	NA	NA	NA	103.0
	13C8-PFOS	EIS	8.26	507.1 / 80.1	674222		2.389	NA	NA	NA	99.8
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	287076		4.993	NA	NA	NA	106.5
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	200592		4.761	NA	NA	NA	100.1
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	308803		5.008	NA	NA	NA	104.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	955397		2.547	NA	NA	NA	101.9
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	152826		2.420	NA	NA	NA	96.8
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	154572		2.505	NA	NA	NA	100.2
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	718613		5.033	NA	NA	NA	100.7
	d5-NEtFOSAA	EIS	8.35	589.3 / 419.1	374093		4.986	NA	NA	NA	99.7
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1202052		24.646	NA	NA	NA	98.6
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1817167		25.270	NA	NA	NA	101.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2798953		10.527	NA	NA	NA	105.3
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1075649		5.031	NA	NA	NA	100.6
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1191249		2.433	NA	NA	NA	97.3
	13C4-PFOA	NIS	7.49	417.0 / 372.0	778547		2.487	NA	NA	NA	99.5
	13C5-PFNA	NIS	7.94	468.0 / 423.0	710042		1.296	NA	NA	NA	103.7
	13C2-PFDA	NIS	8.17	515.1 / 470.1	636077		1.241	NA	NA	NA	99.3
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	520101		2.220	NA	NA	NA	93.7
	13C4-PFOS	NIS	8.26	503.1 / 80.1	499194		2.371	NA	NA	NA	99.0

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

	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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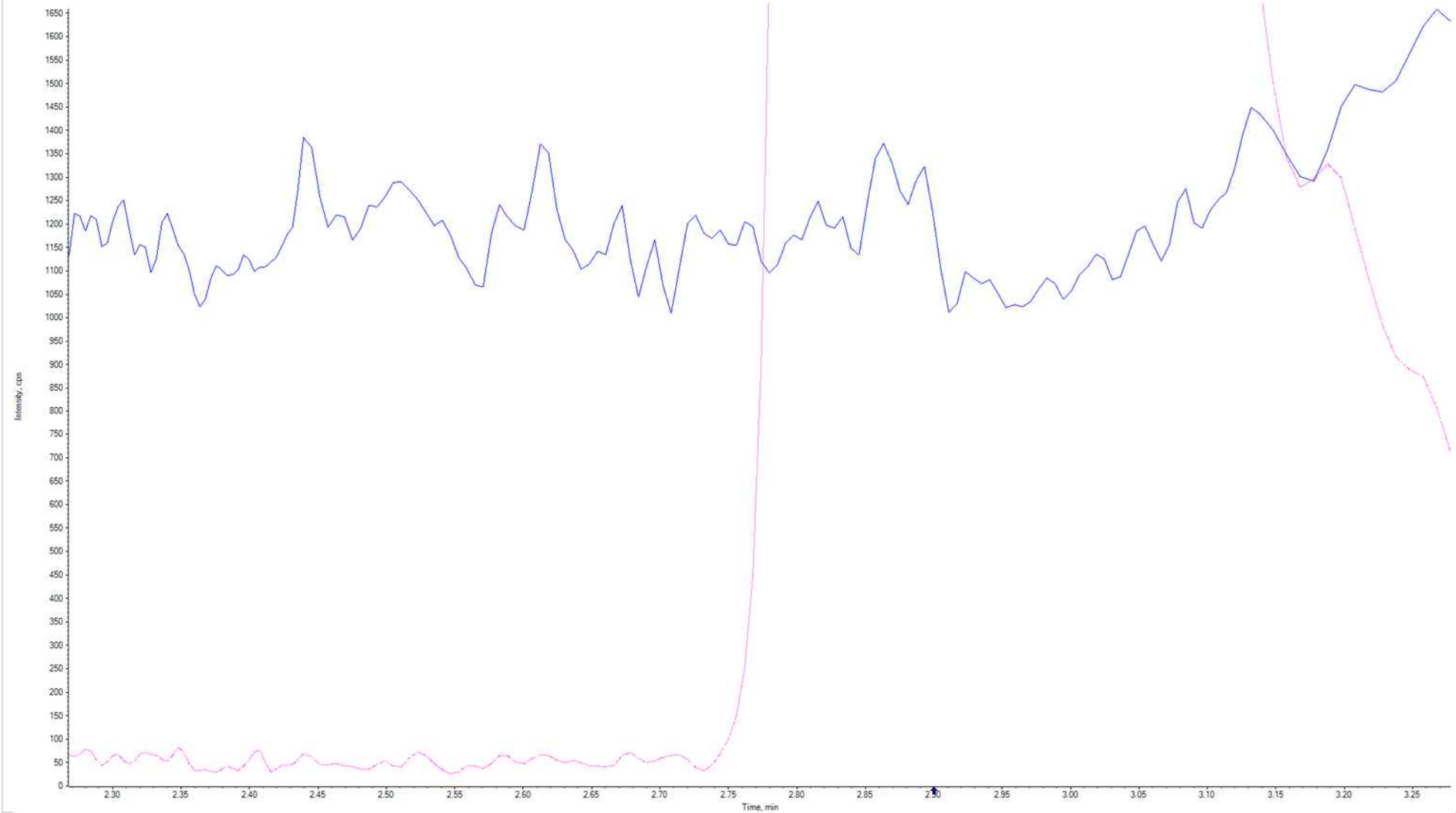

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PFPeA
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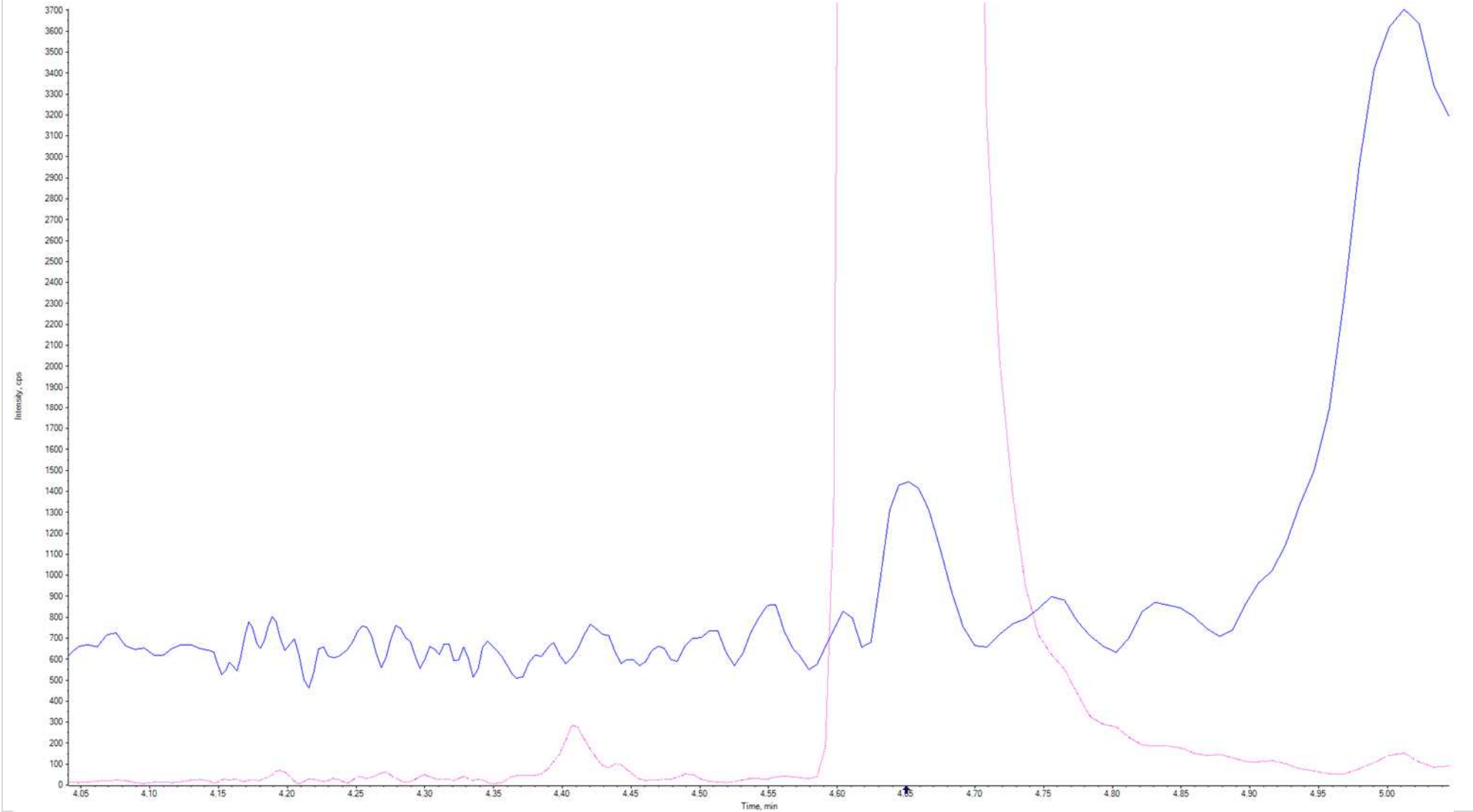

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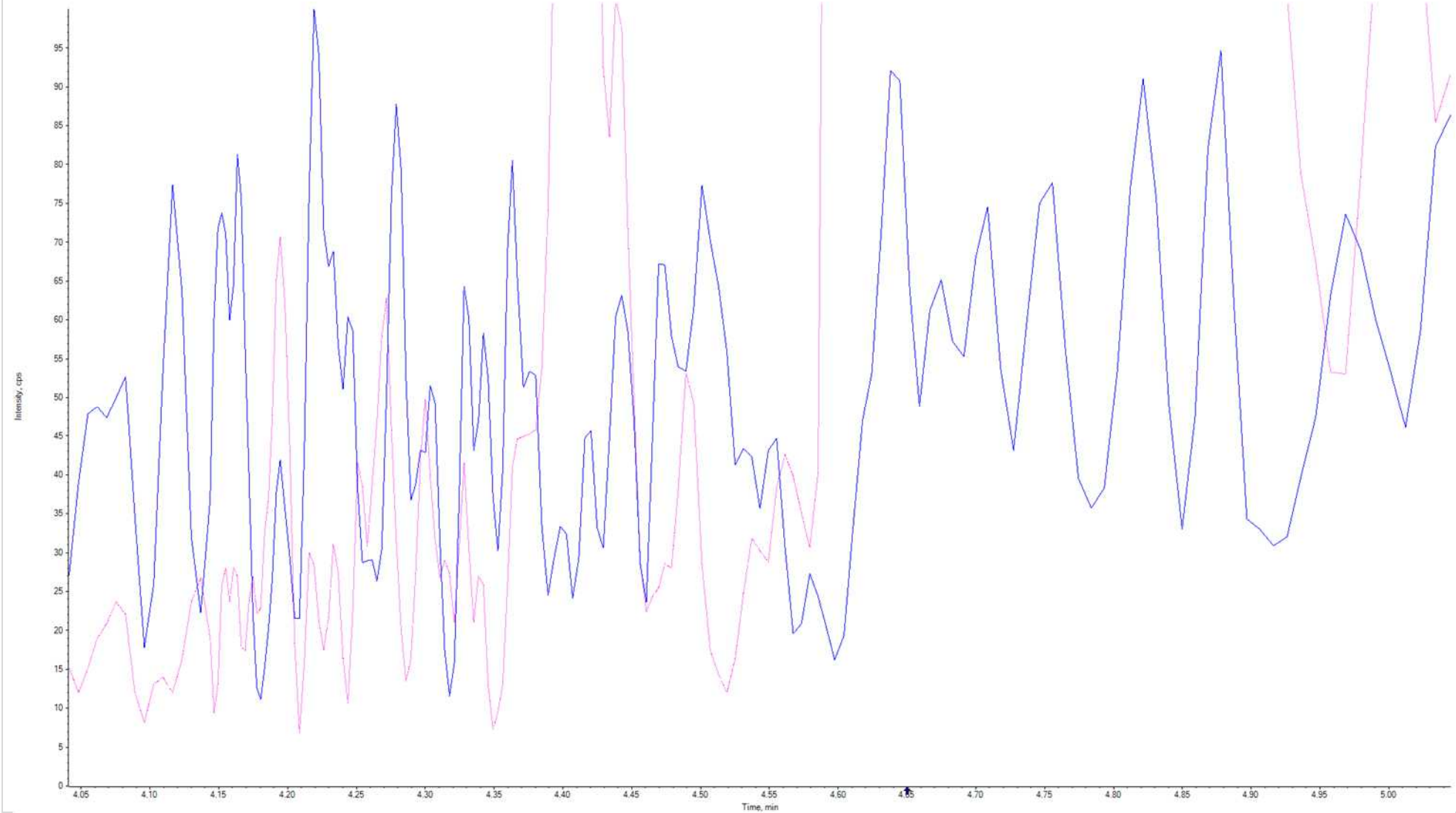

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PFHxA
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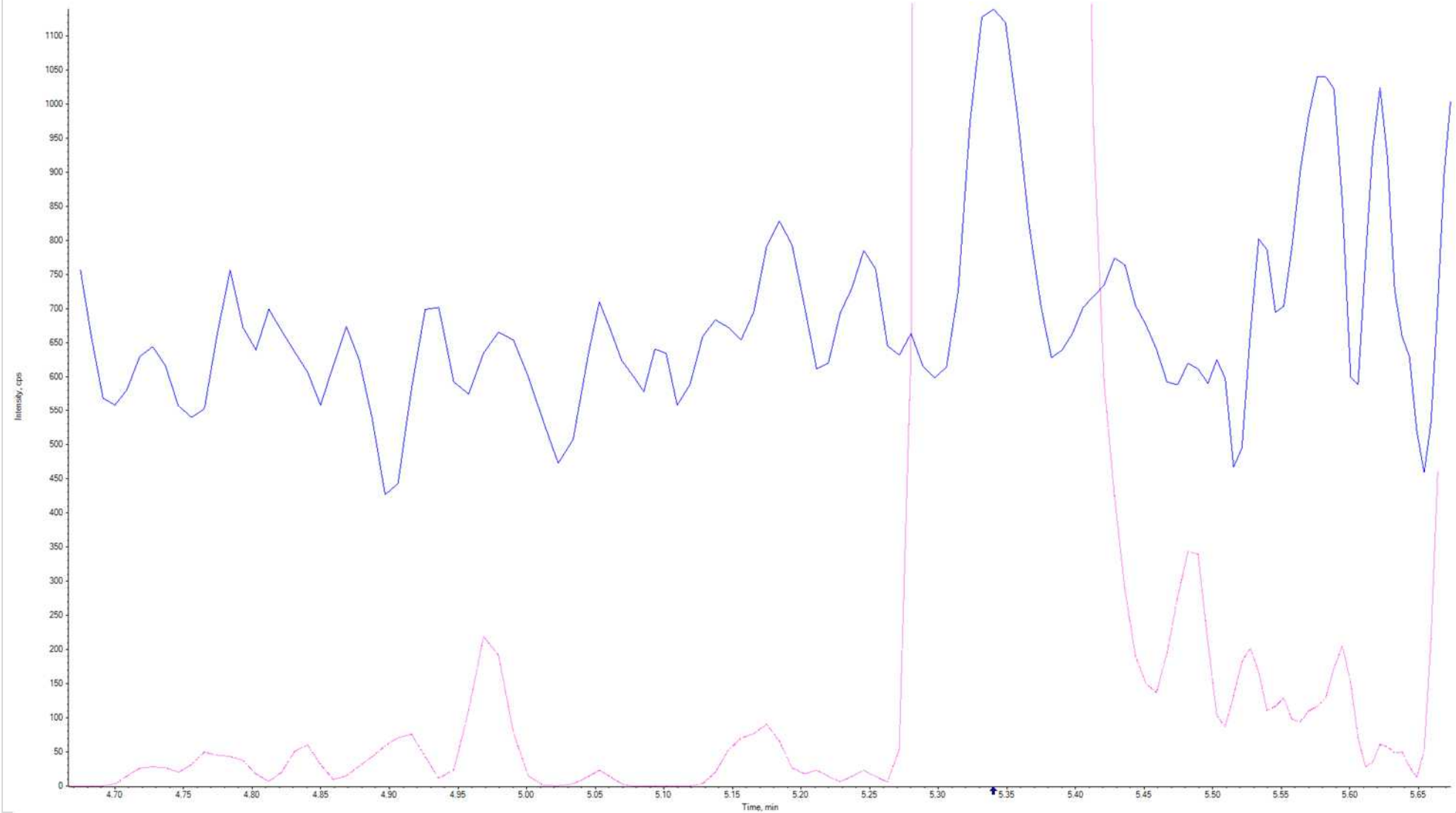

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PFHxA_2
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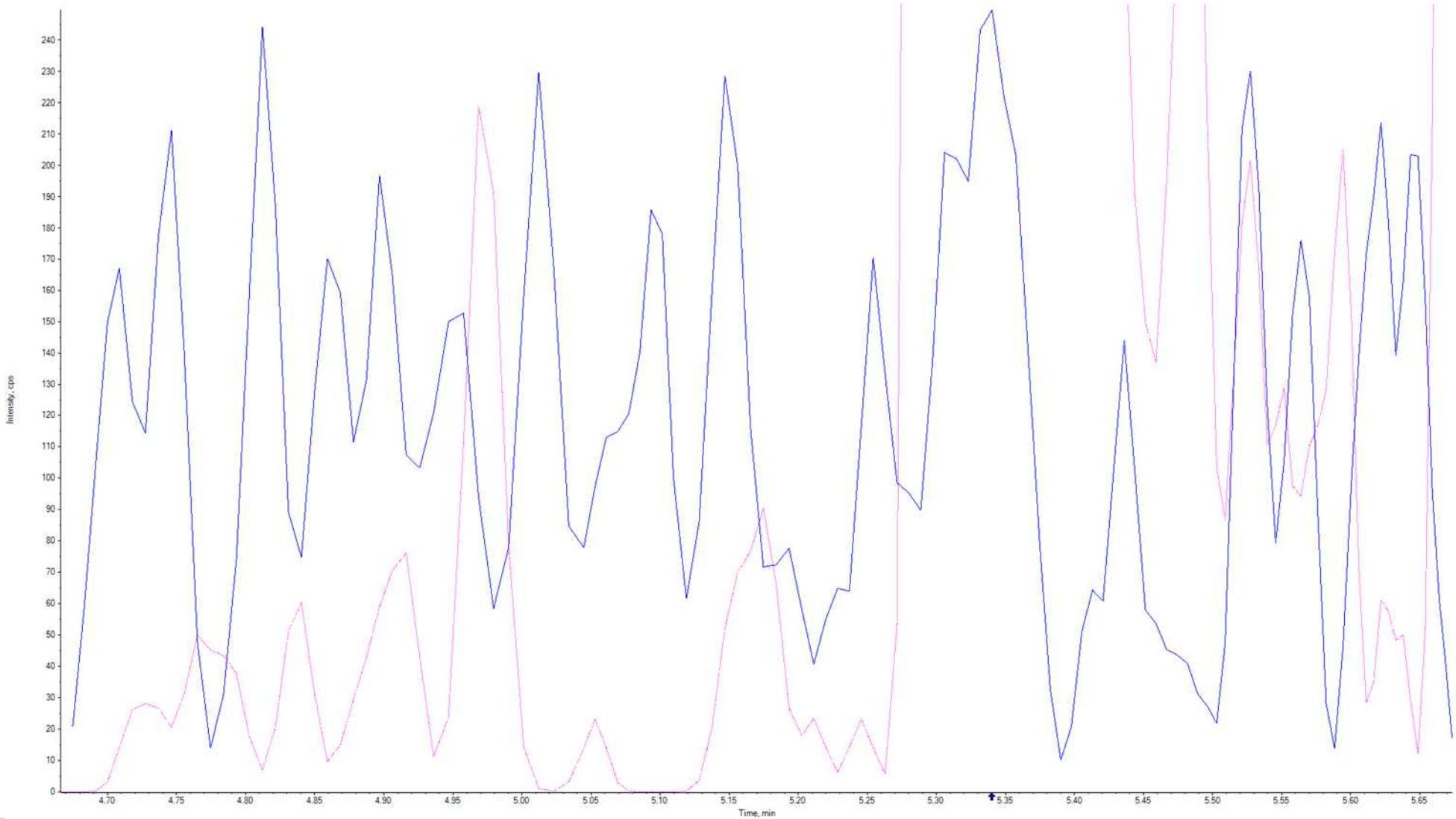

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PFHpA
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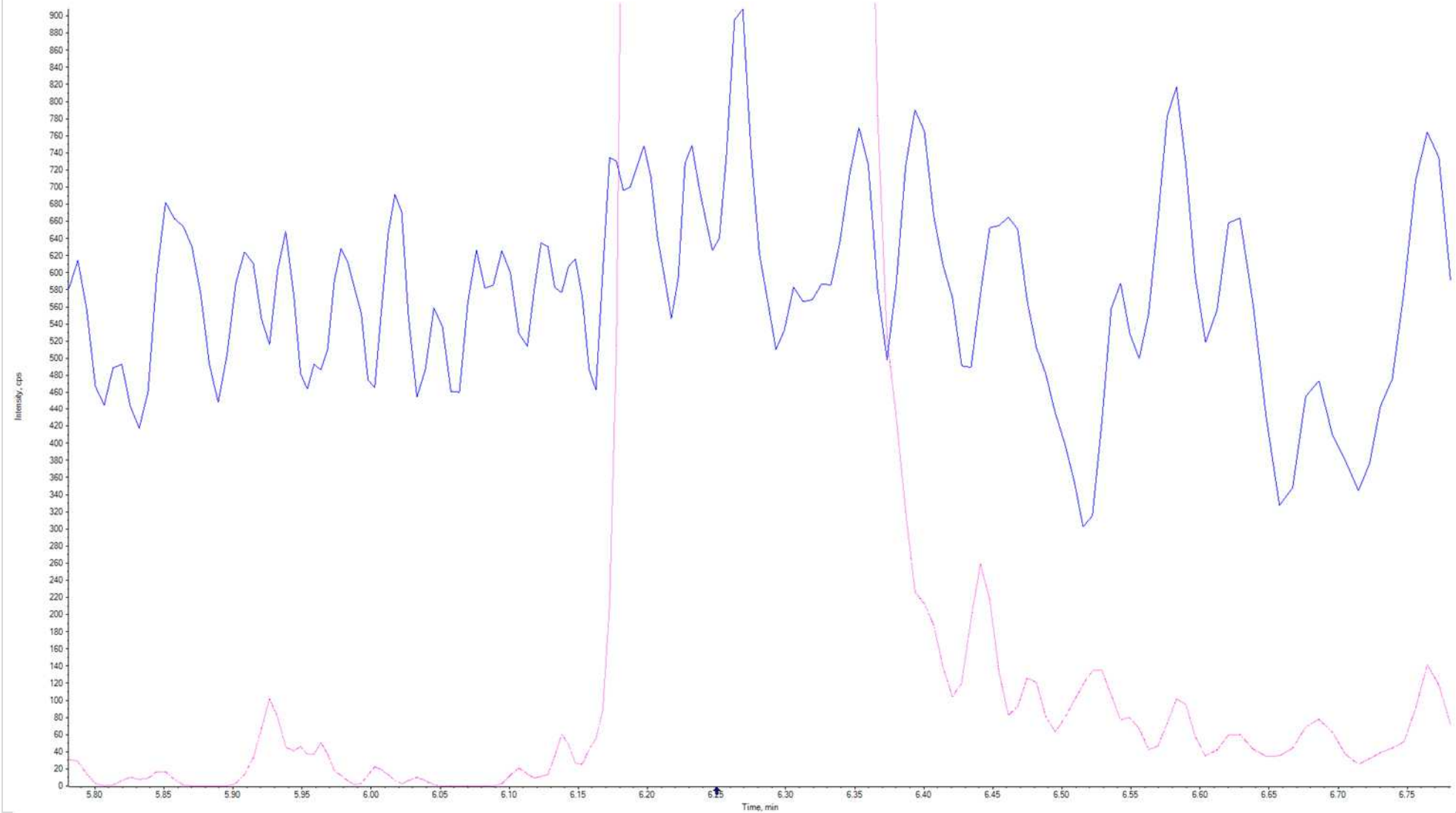

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PFHpA_2
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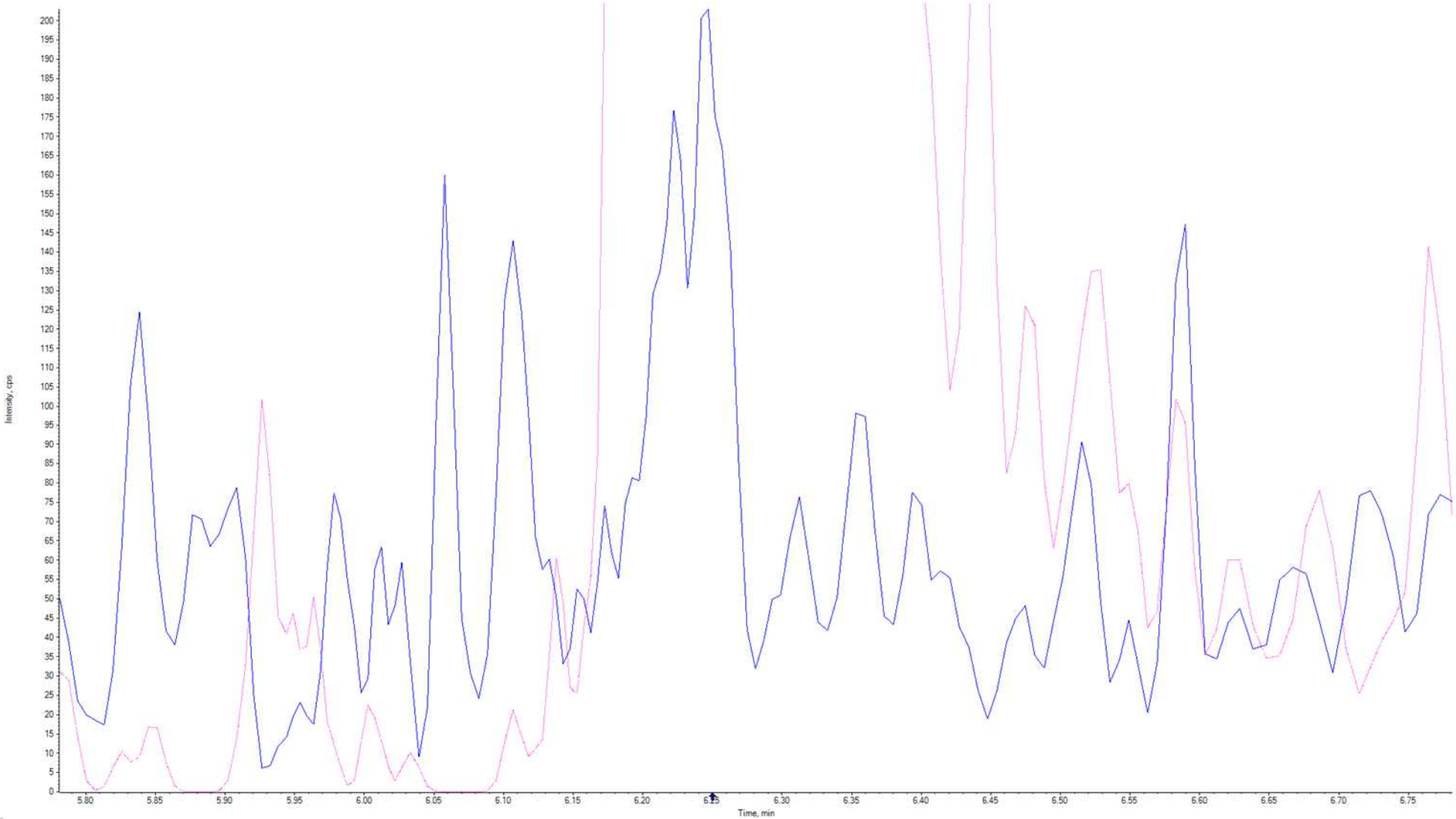

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PFOA
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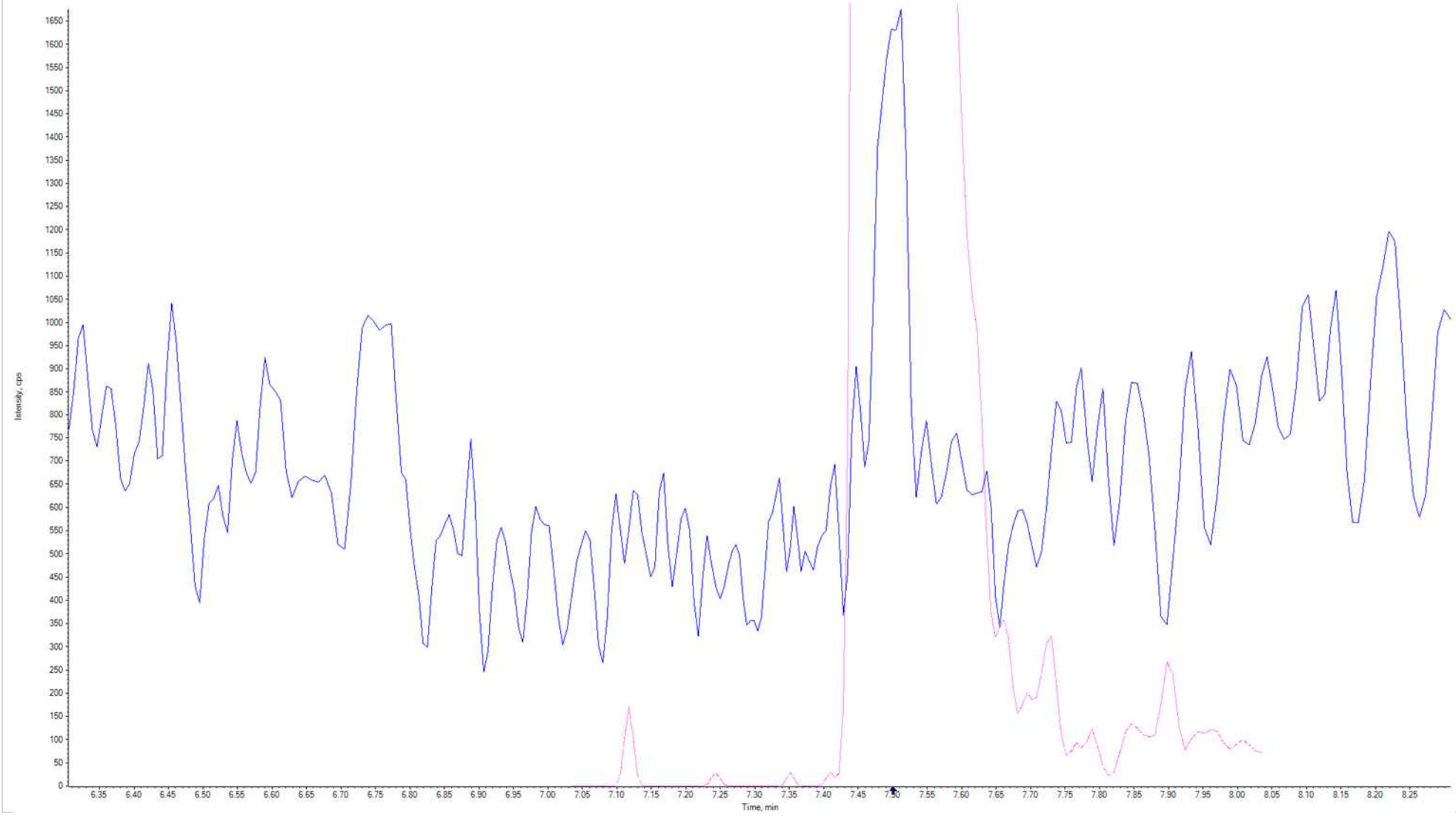

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PFOA_2
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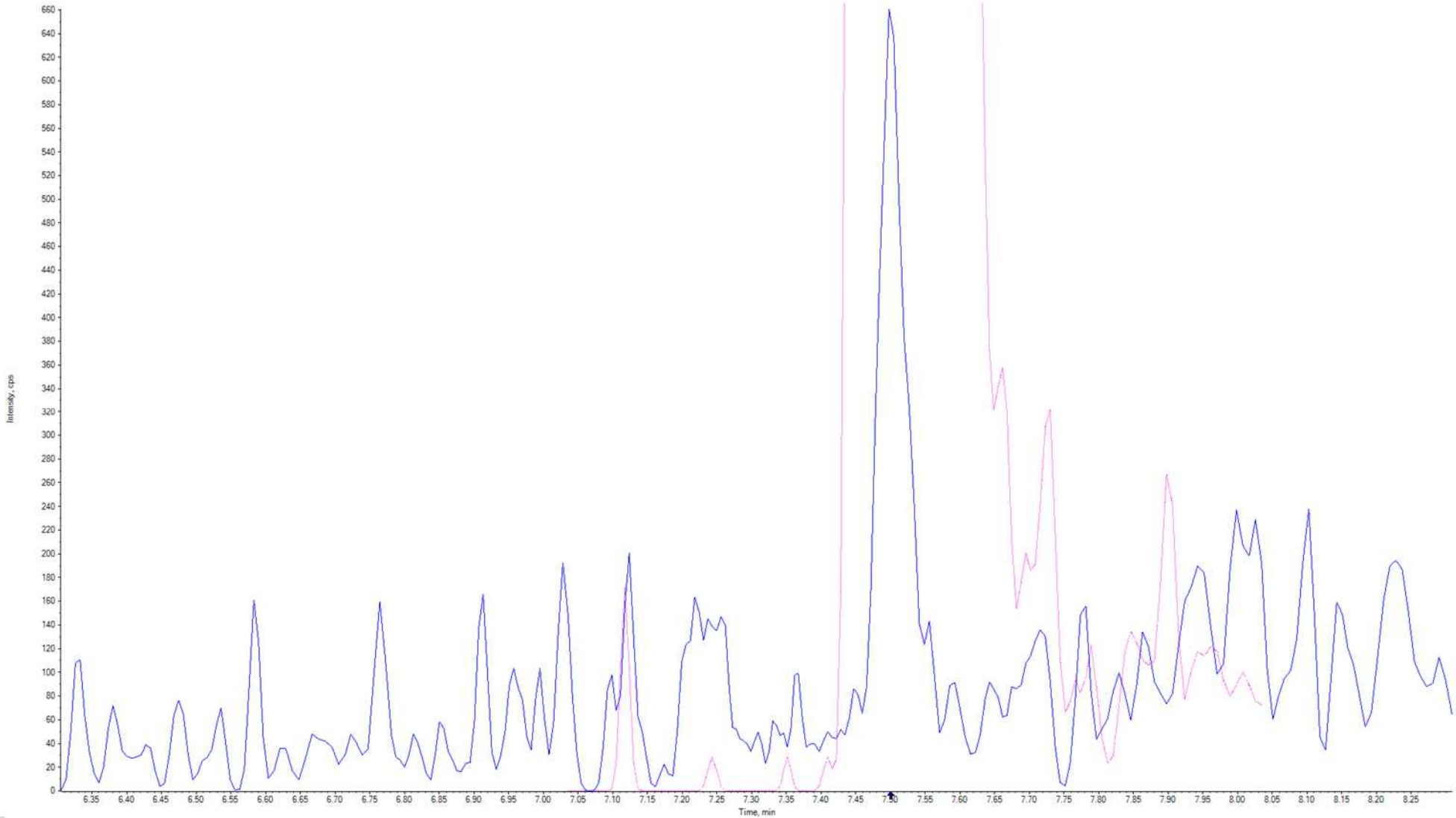

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PFNA
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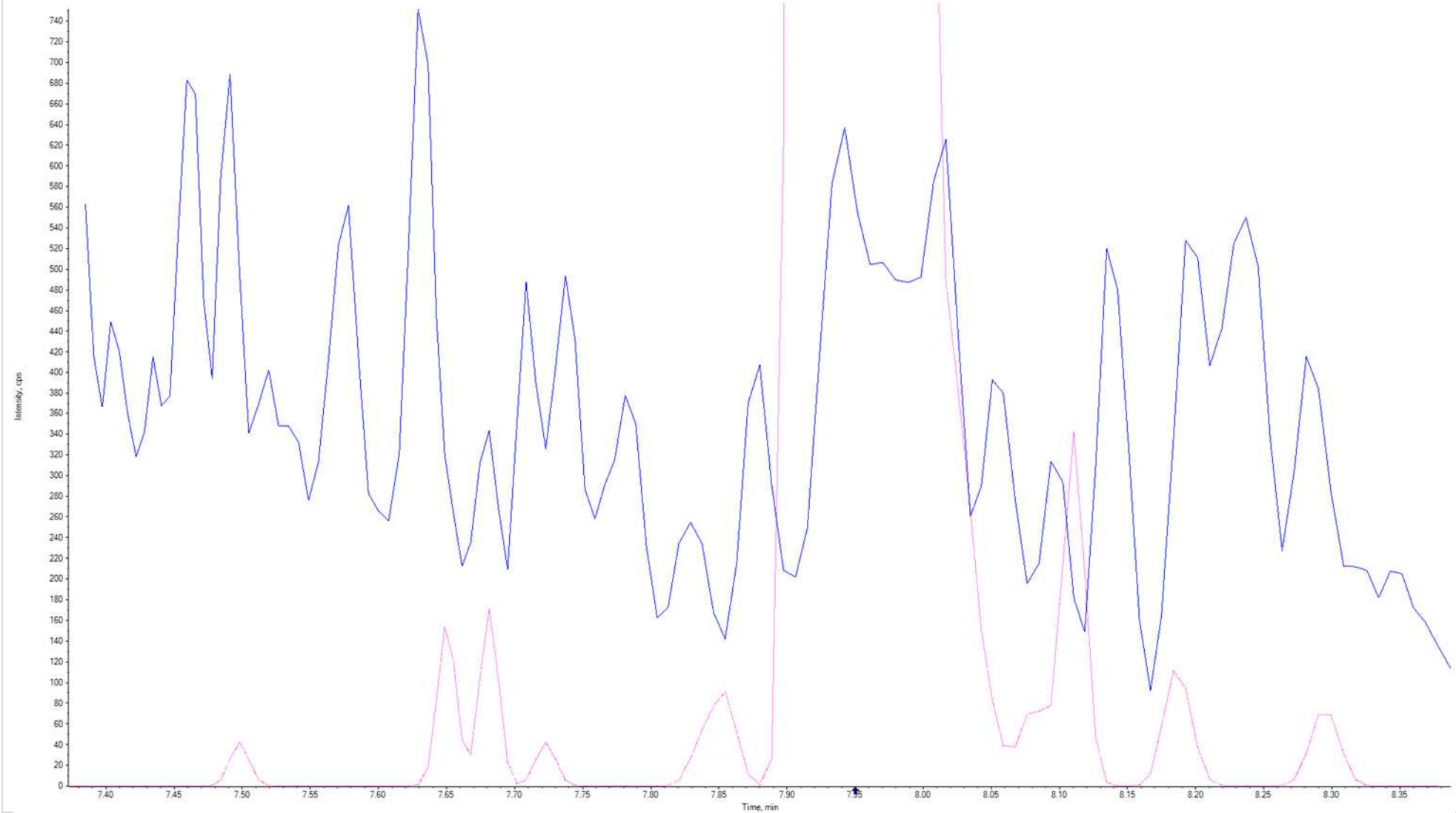

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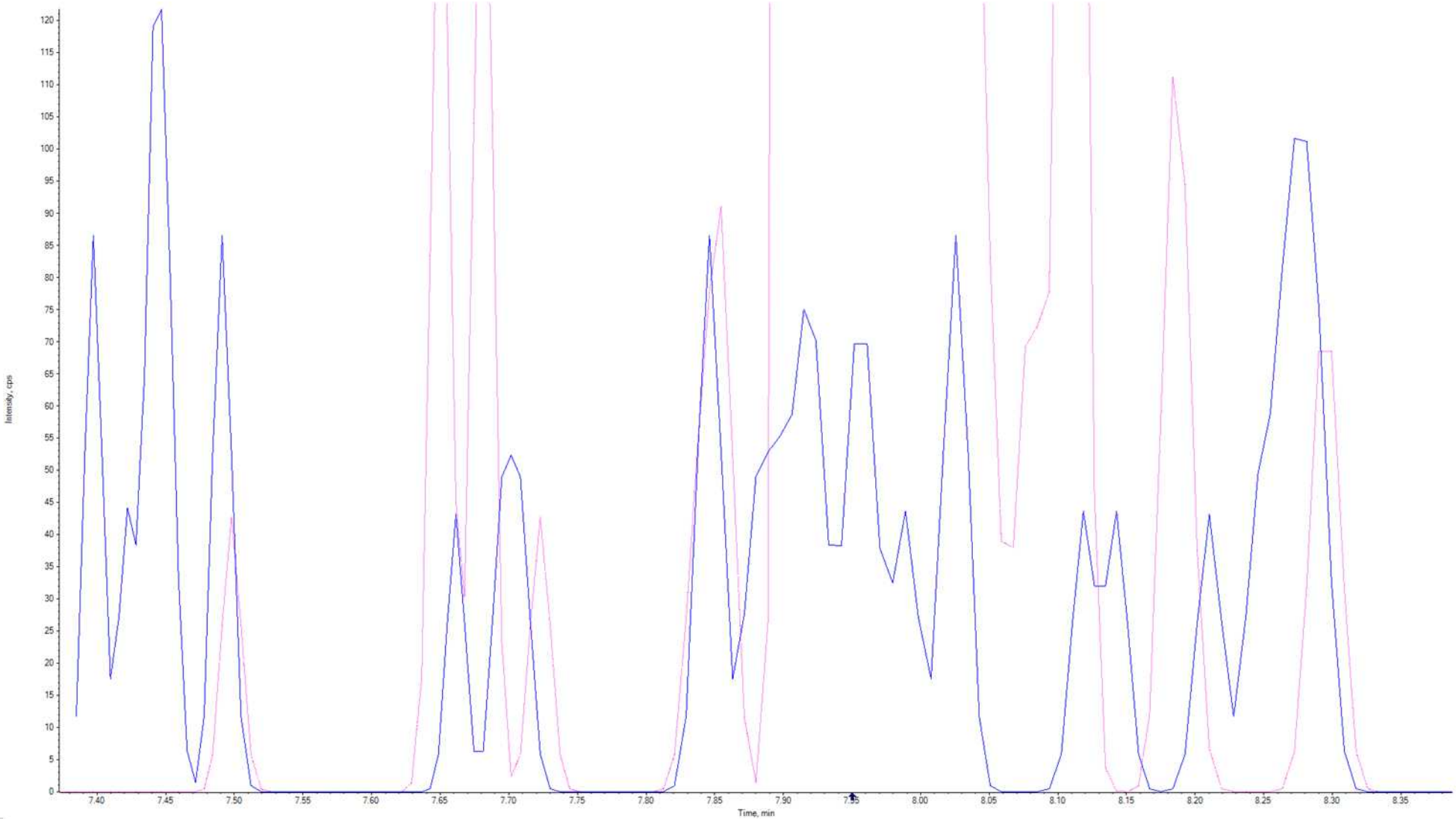

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PFDA
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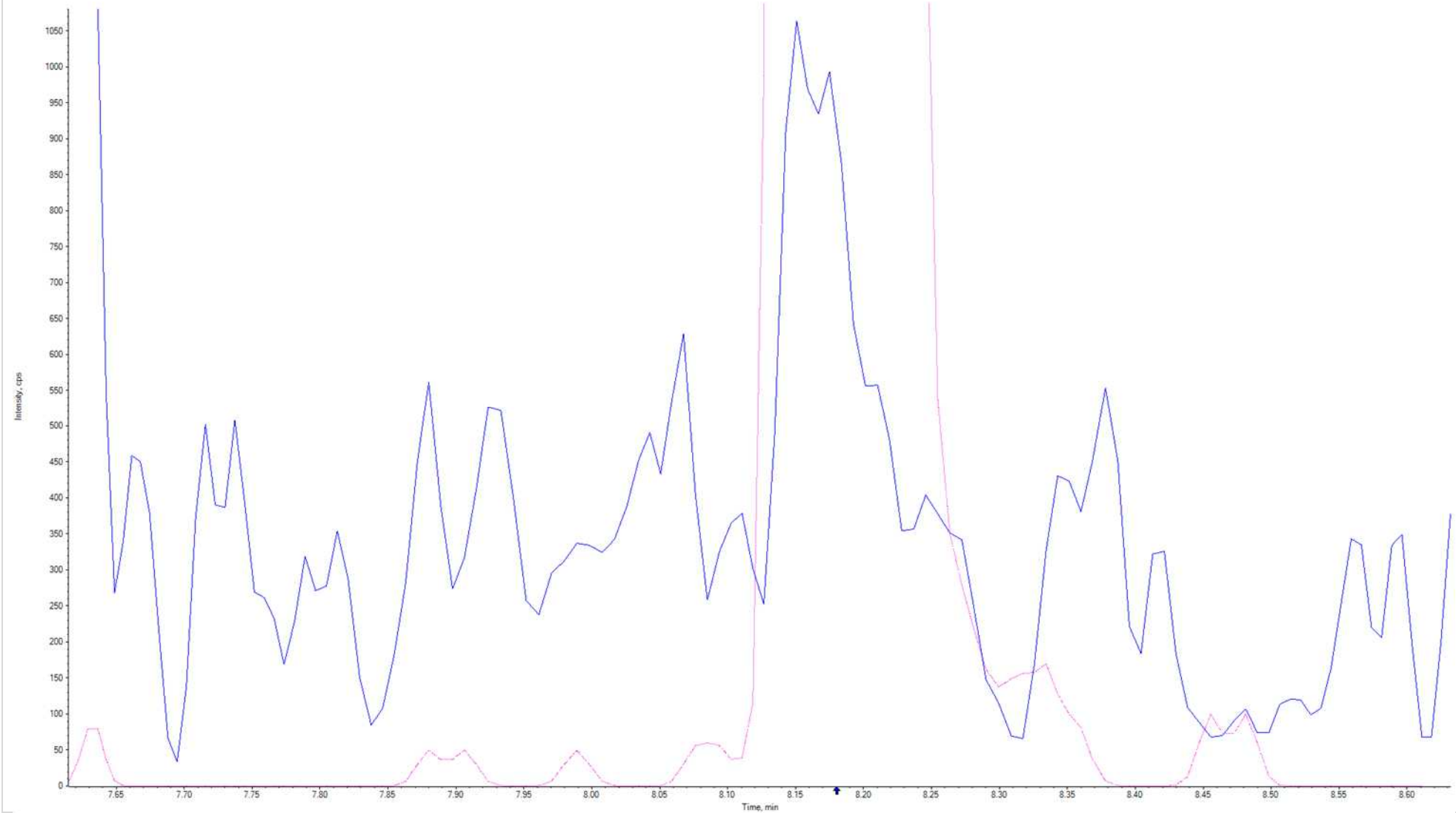

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PFDA_2
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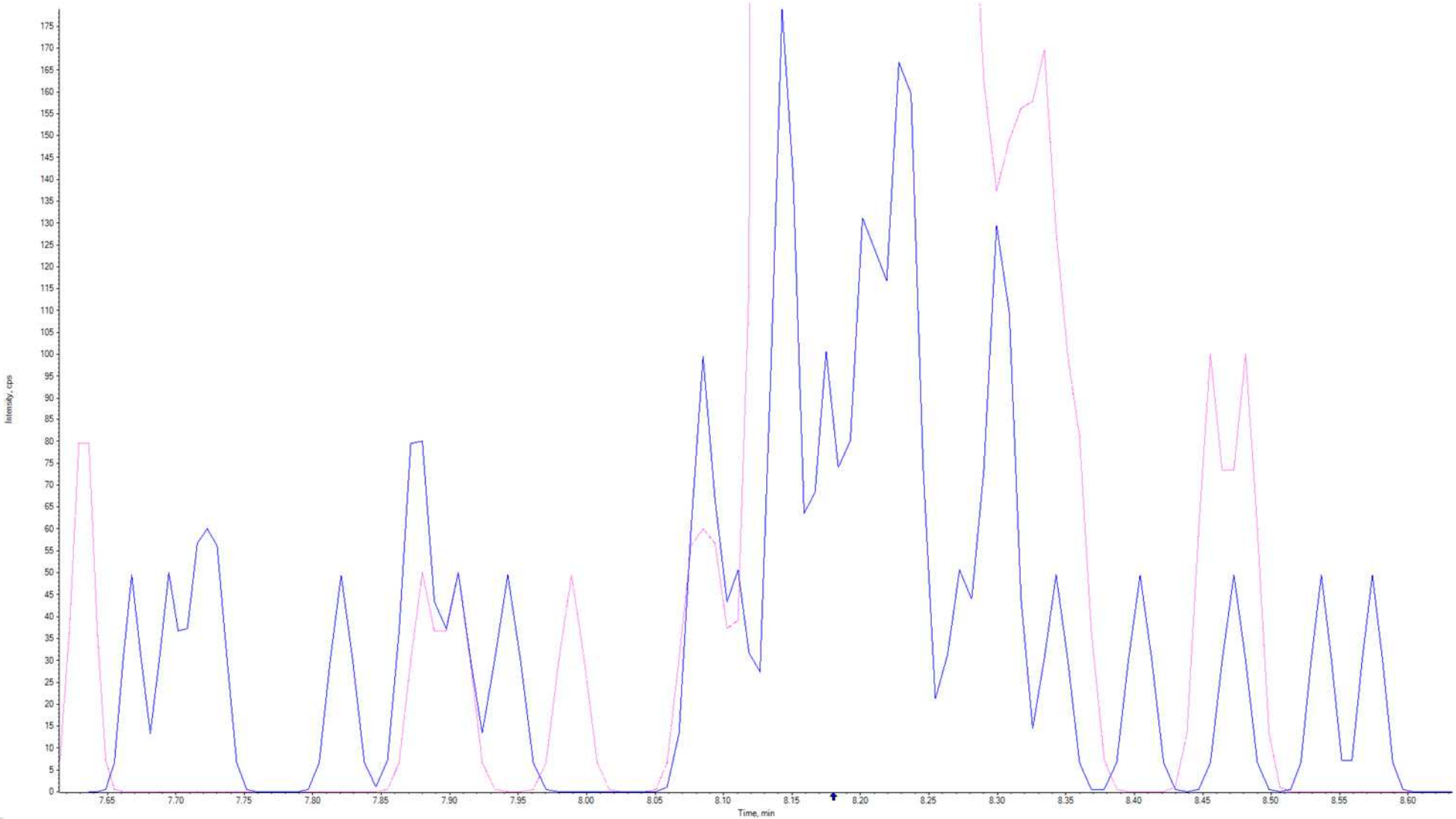

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PFUnA
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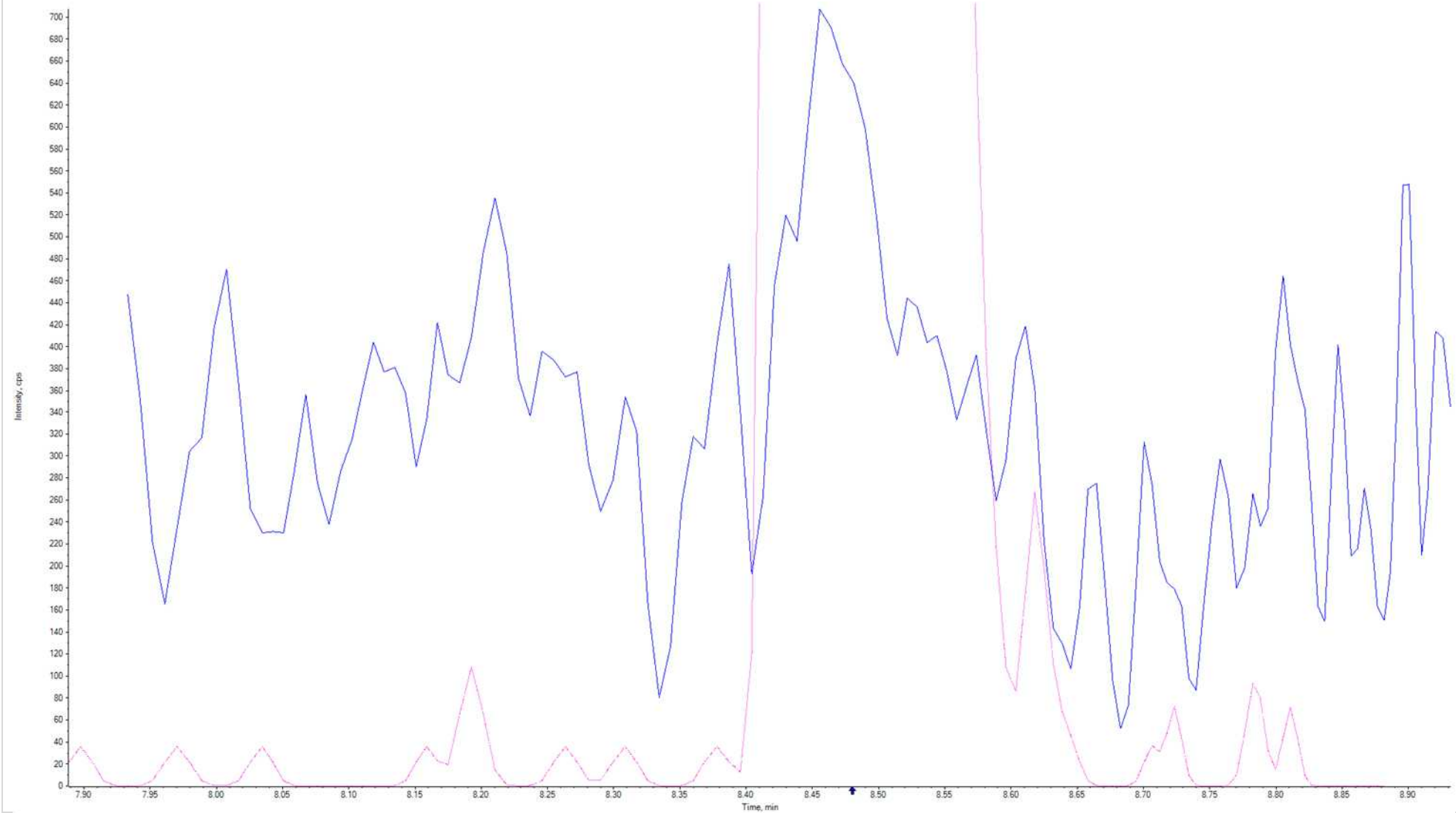

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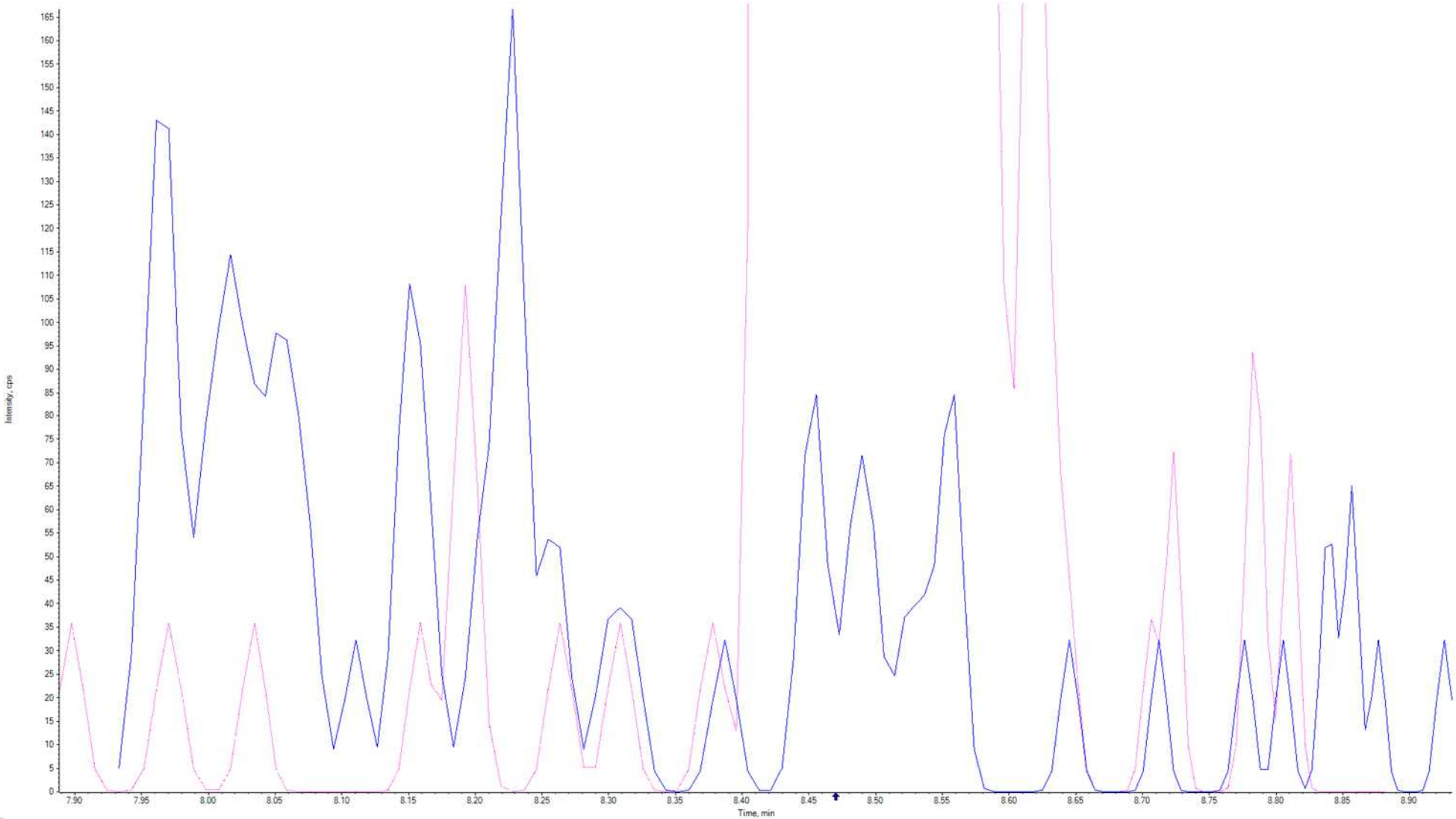

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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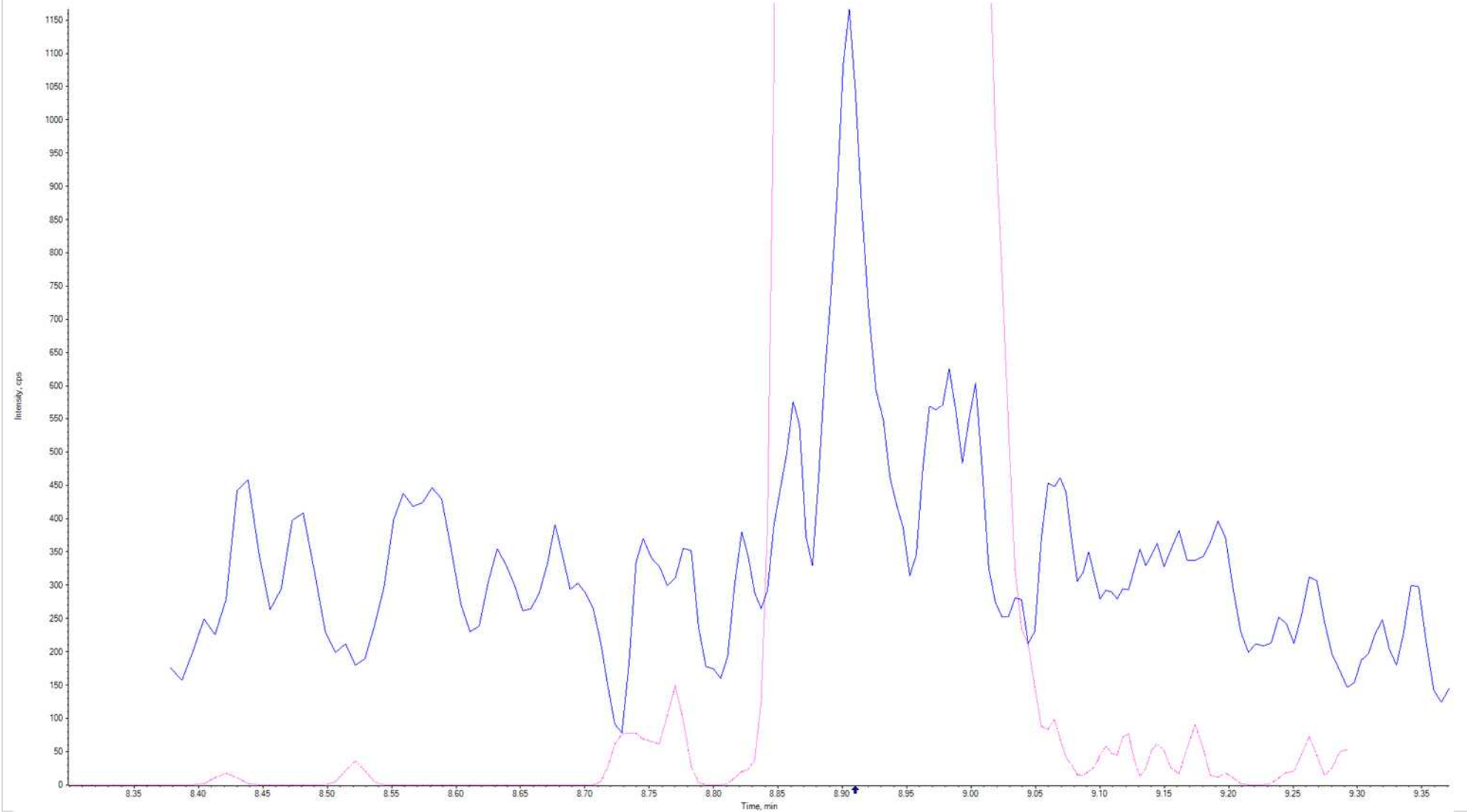
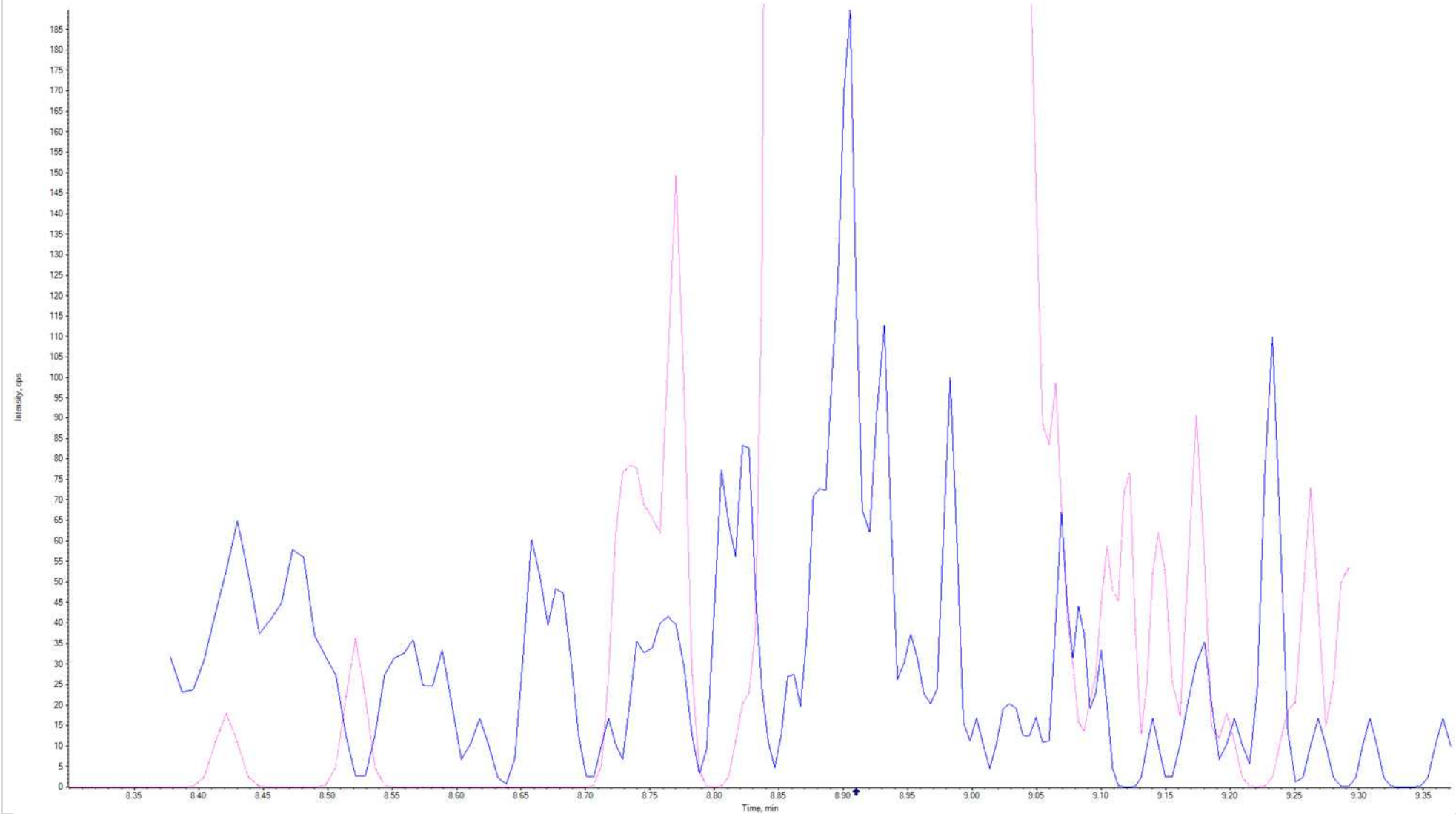
PFDoA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA
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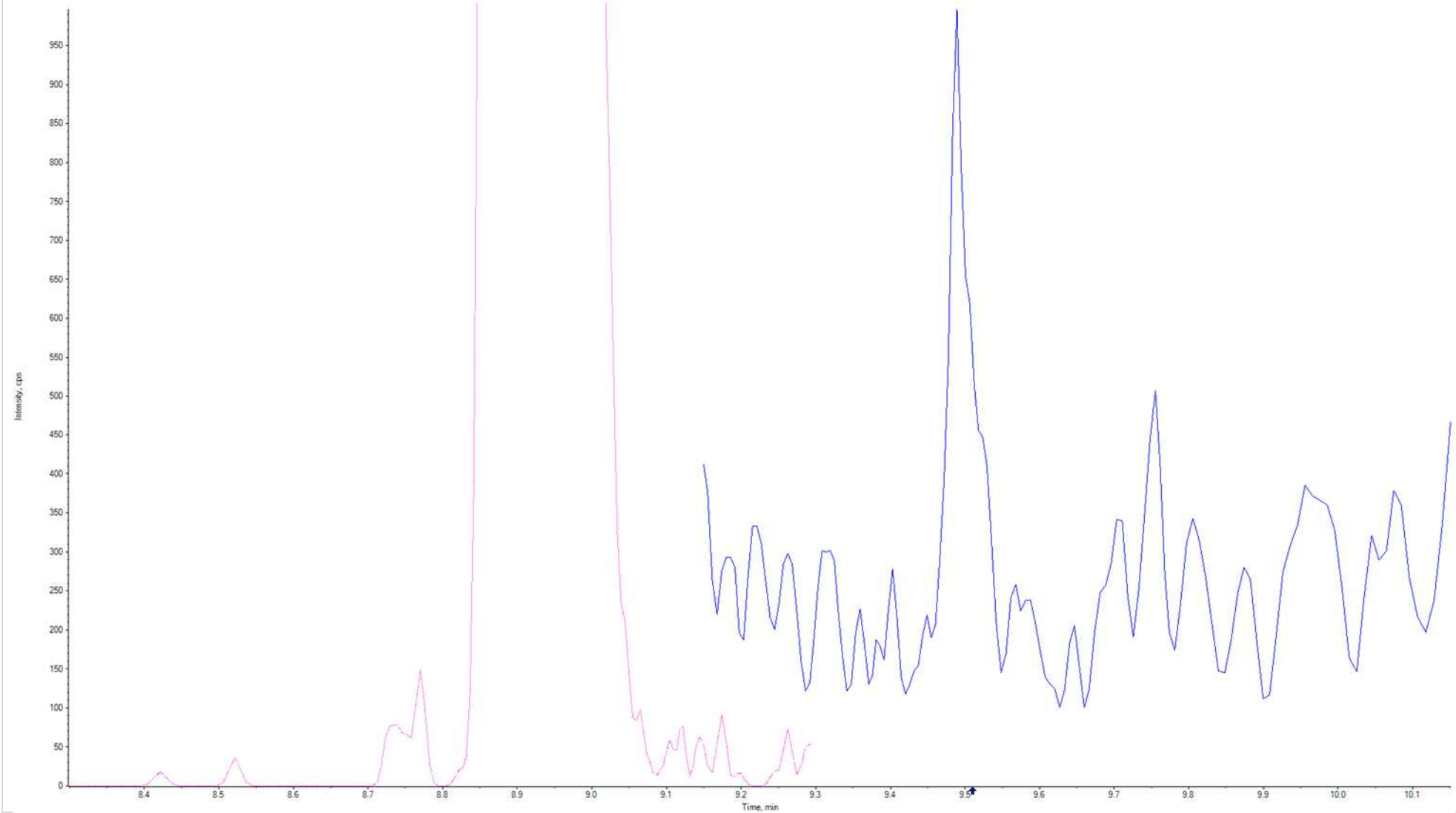

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA_2
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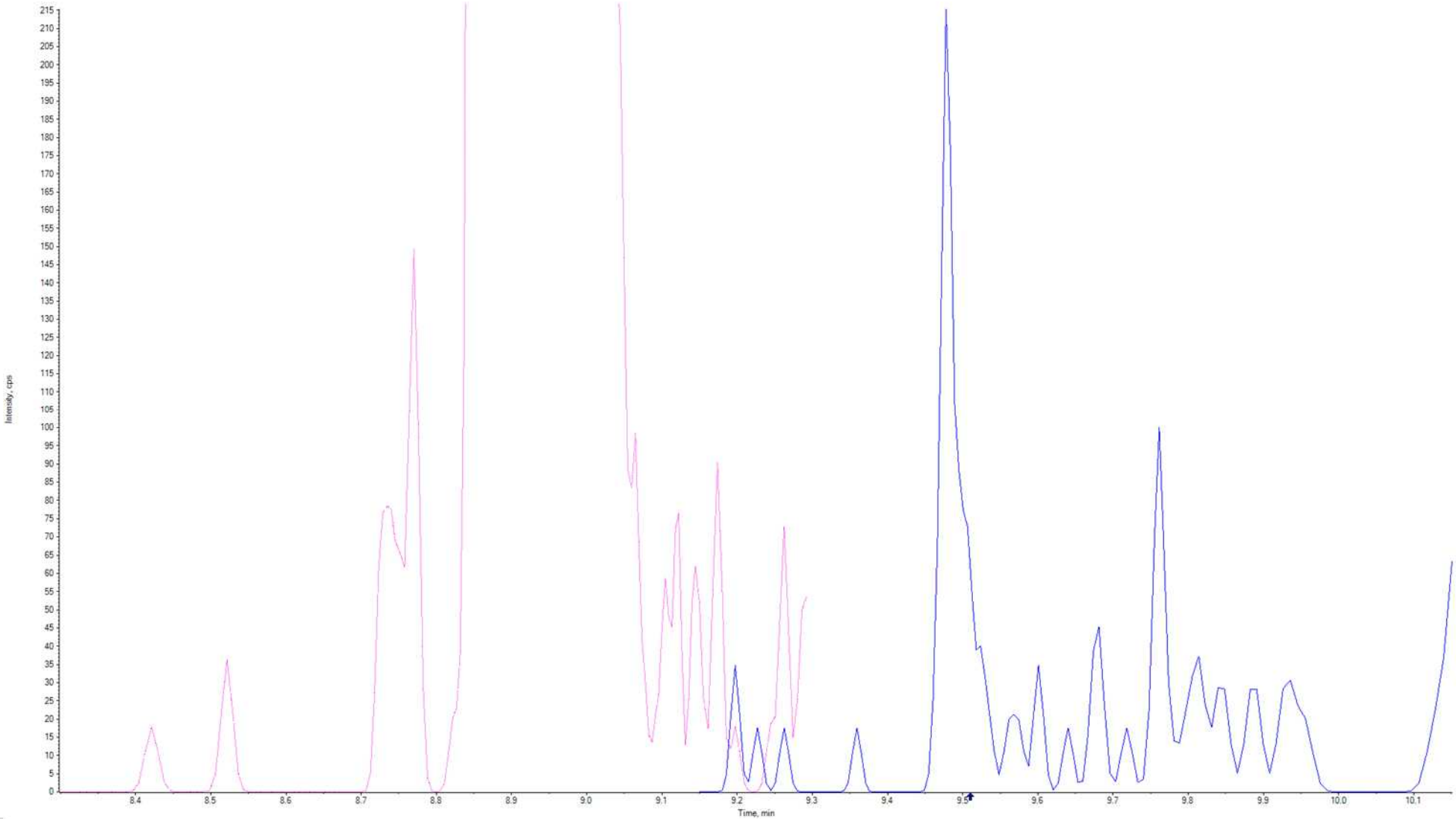

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA
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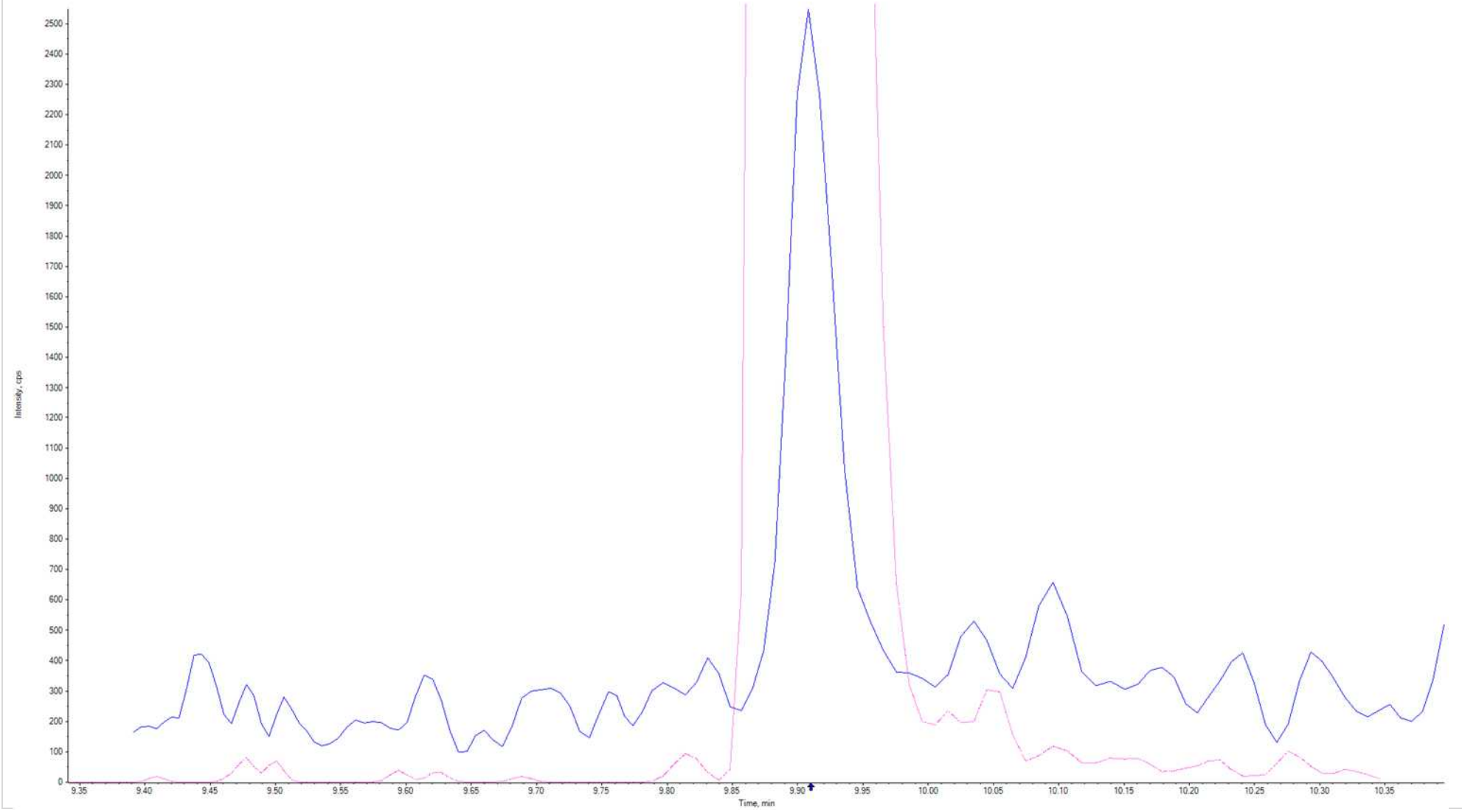

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA_2
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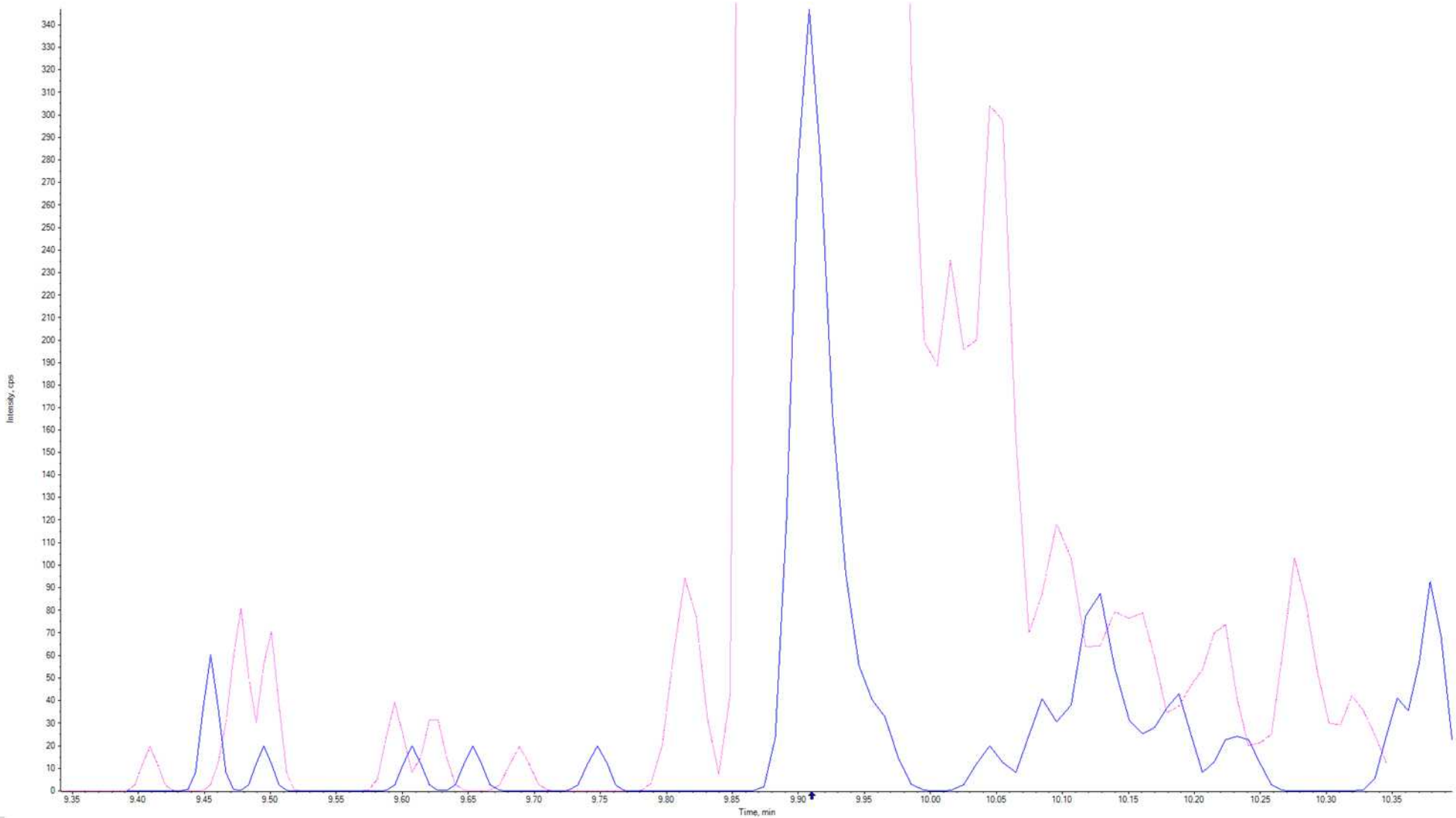

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS
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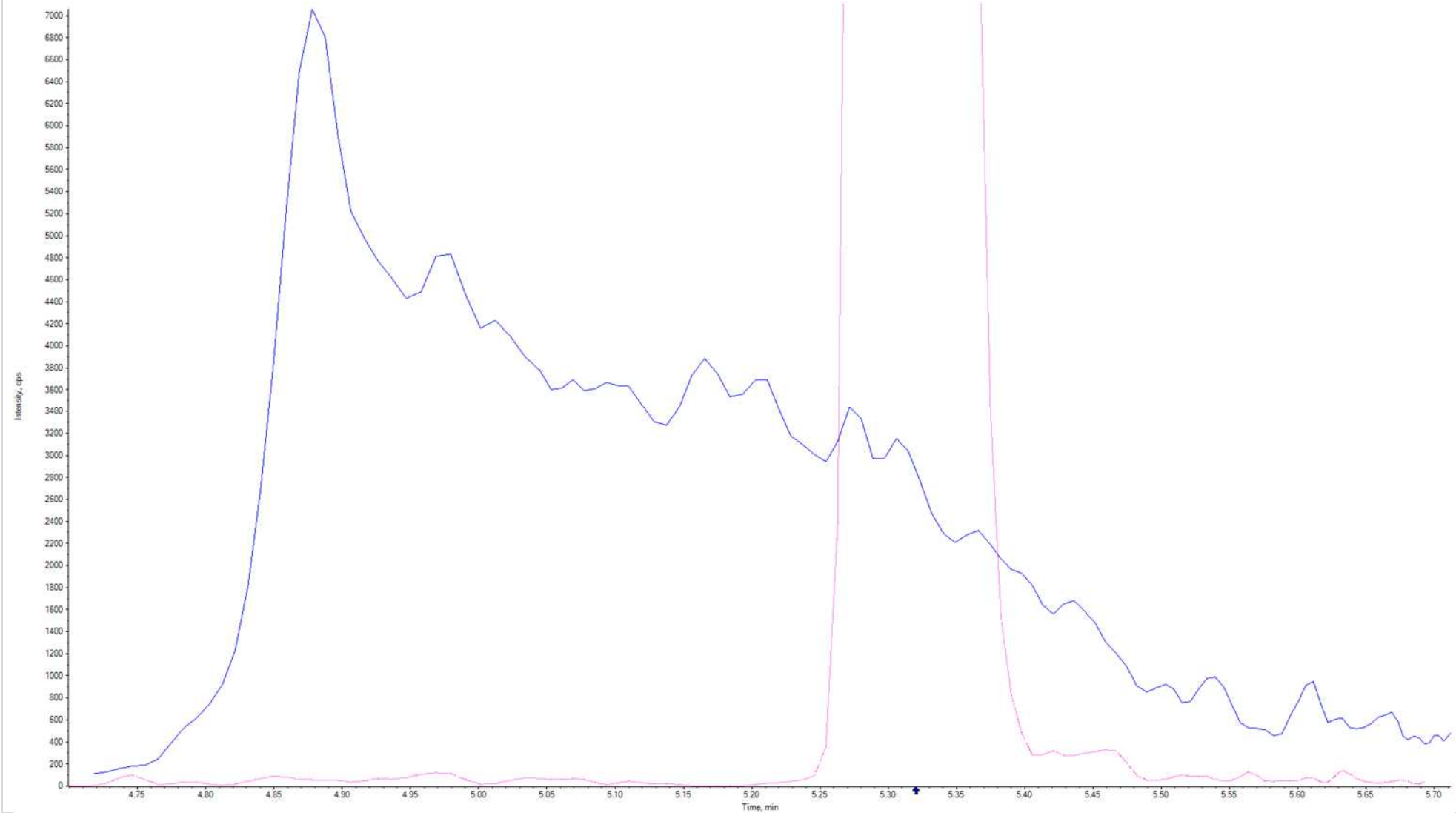

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFBS_2
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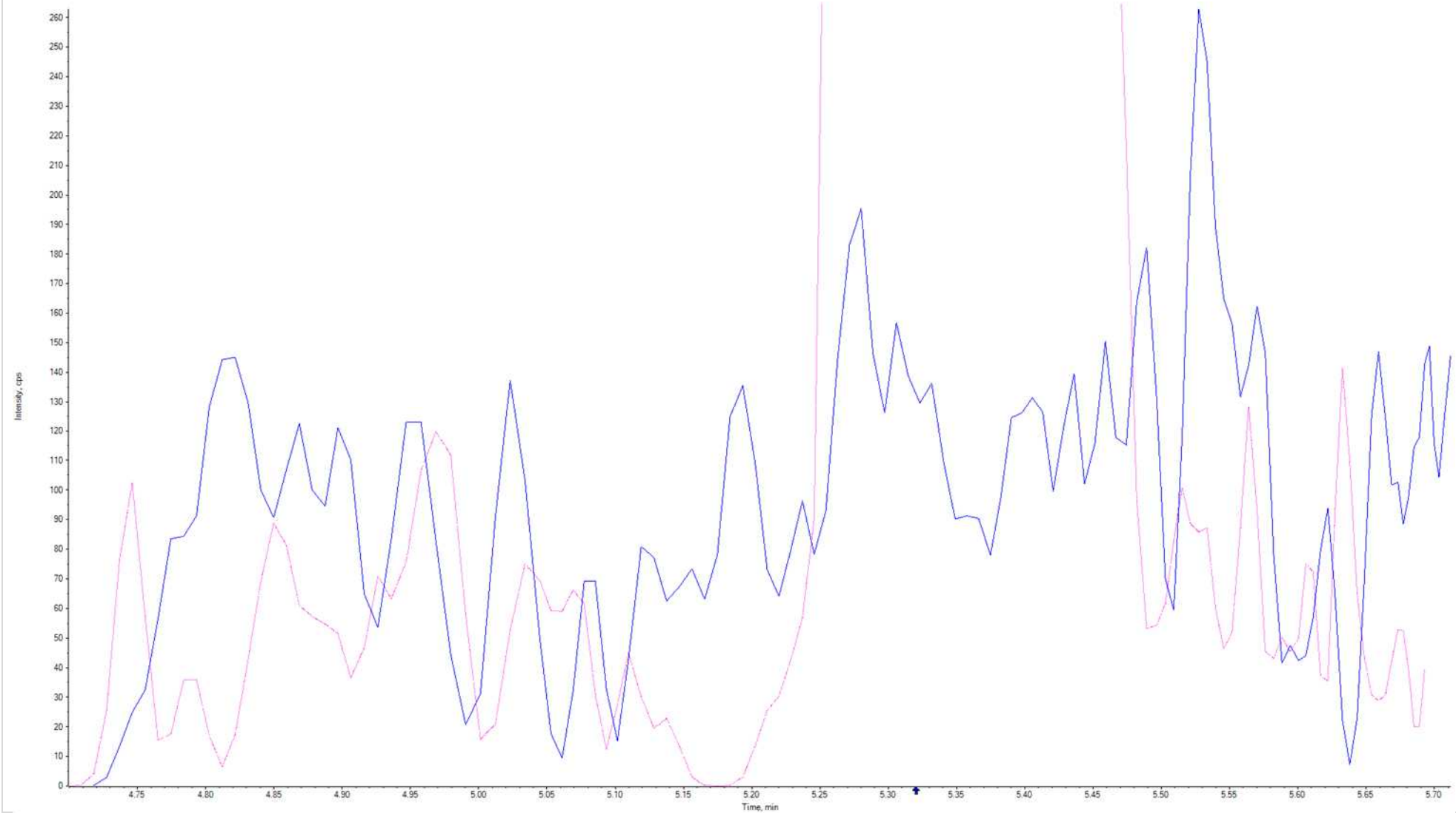
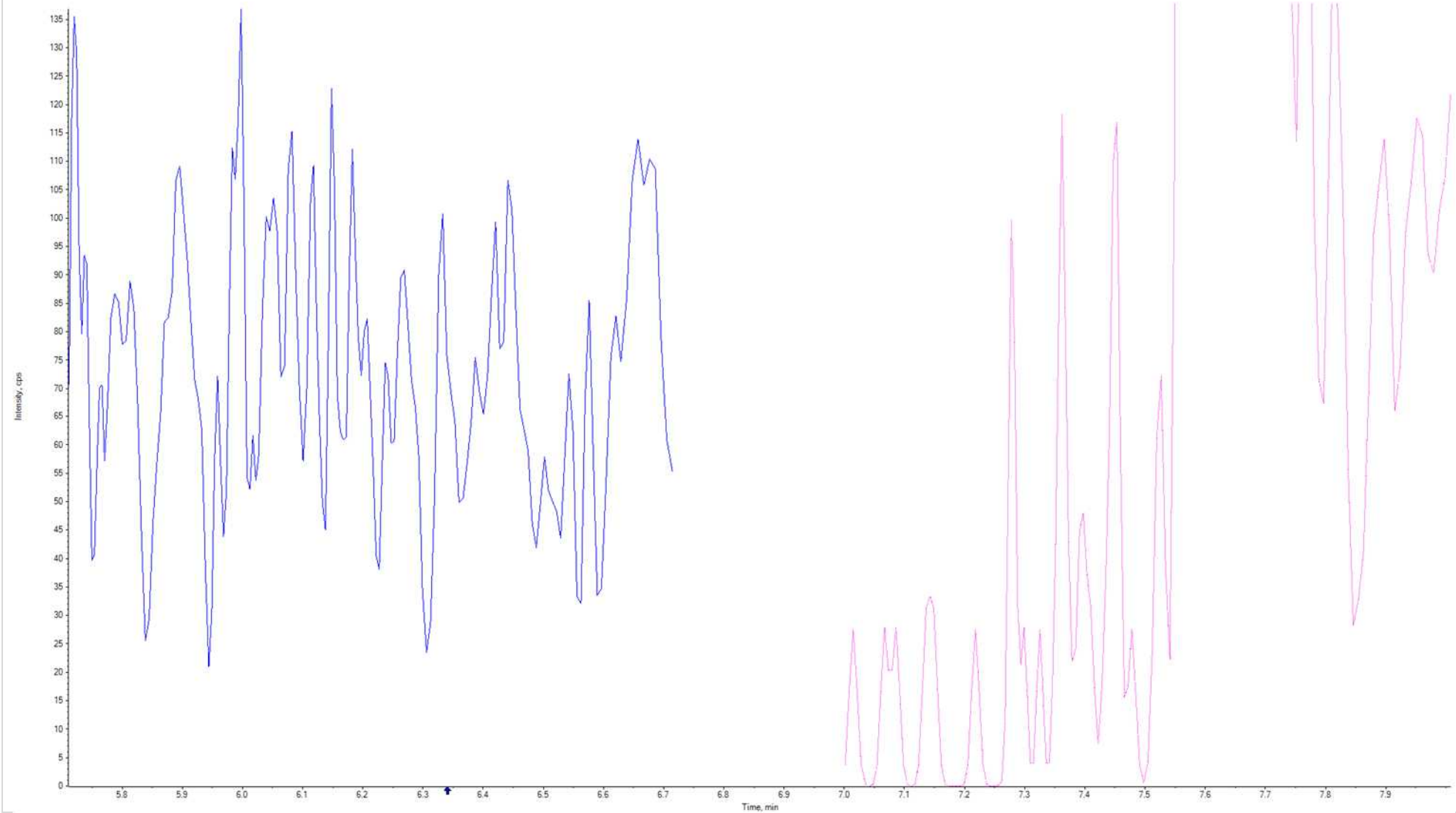


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS_2
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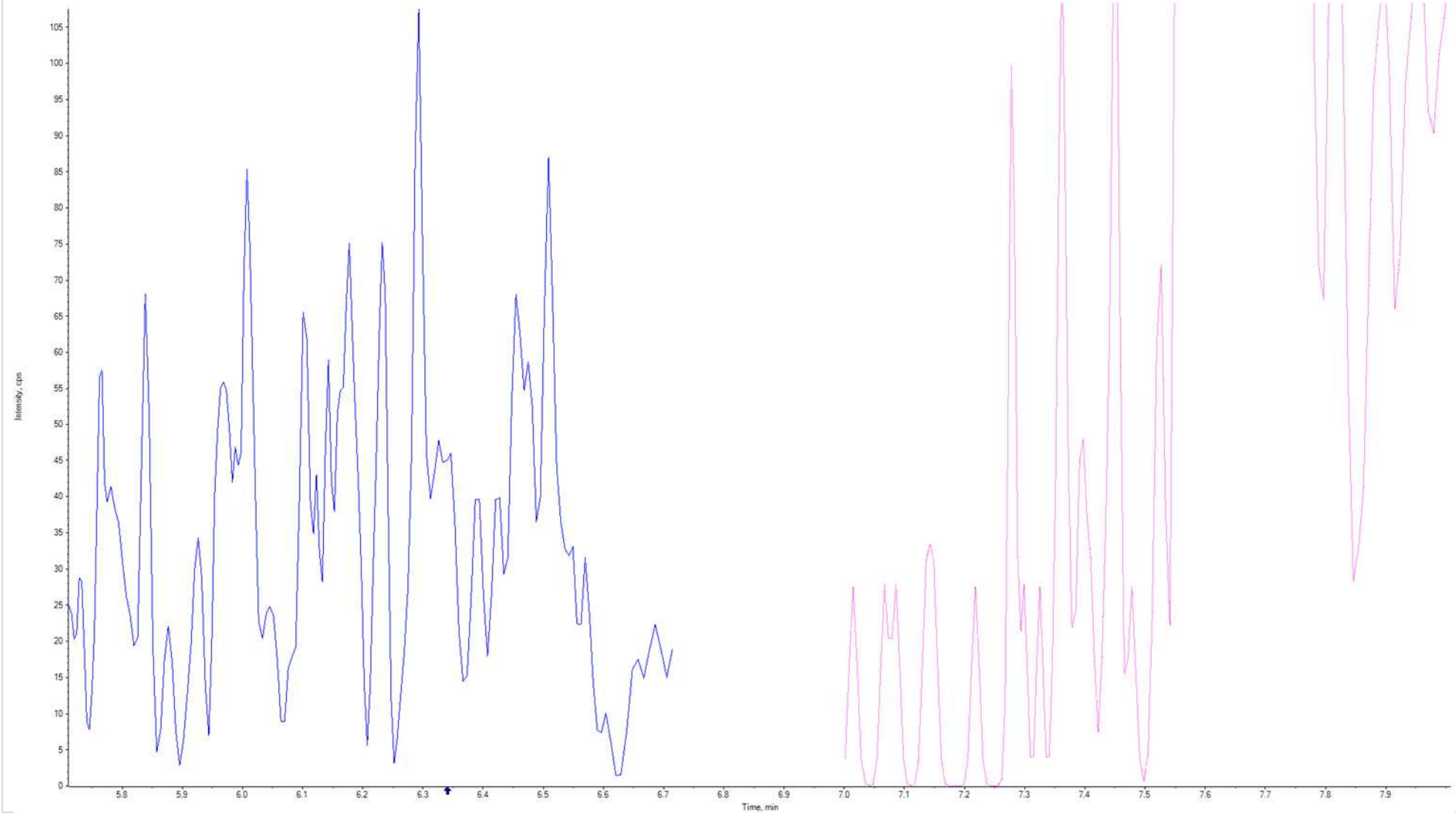
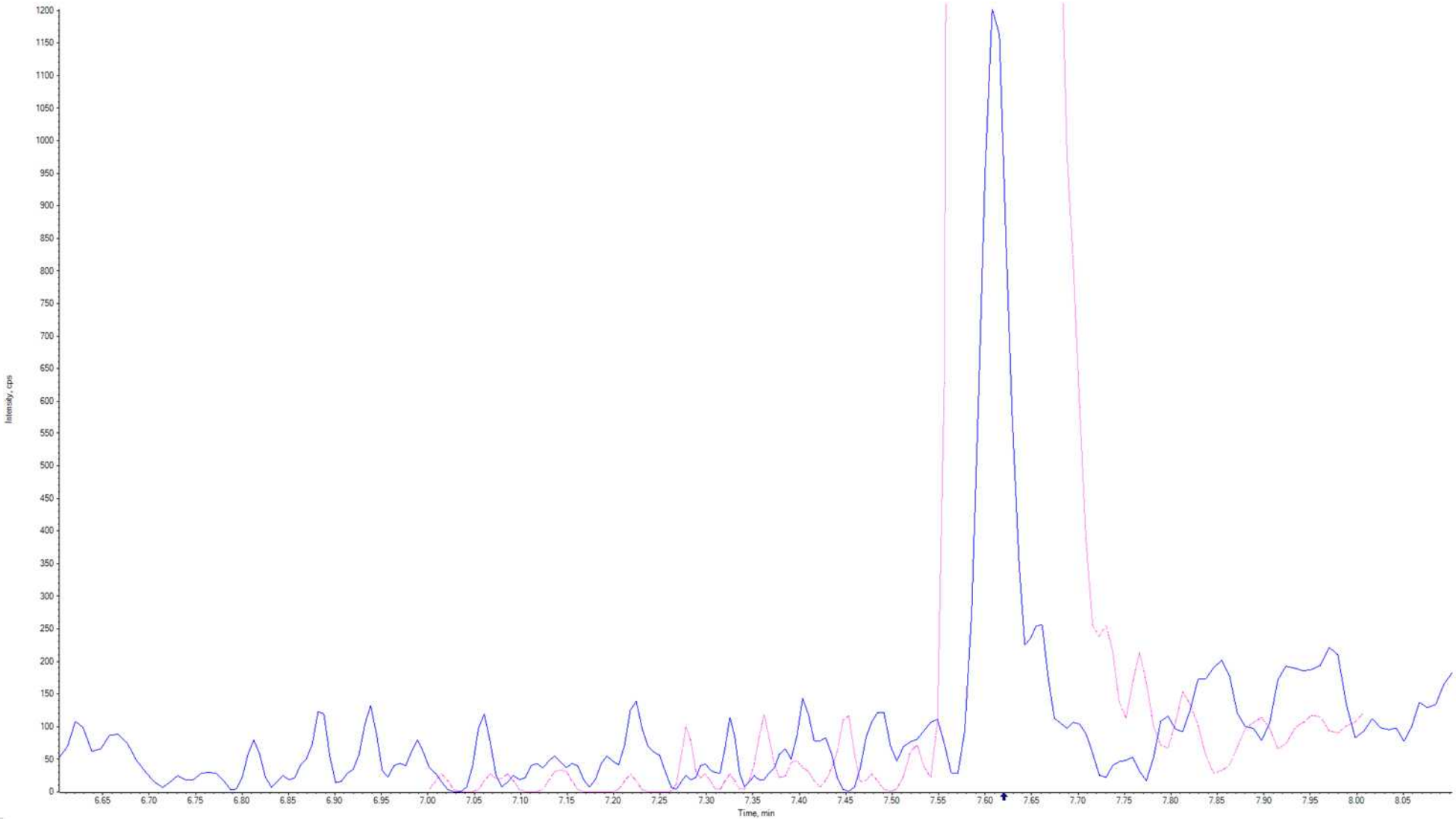


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS_2
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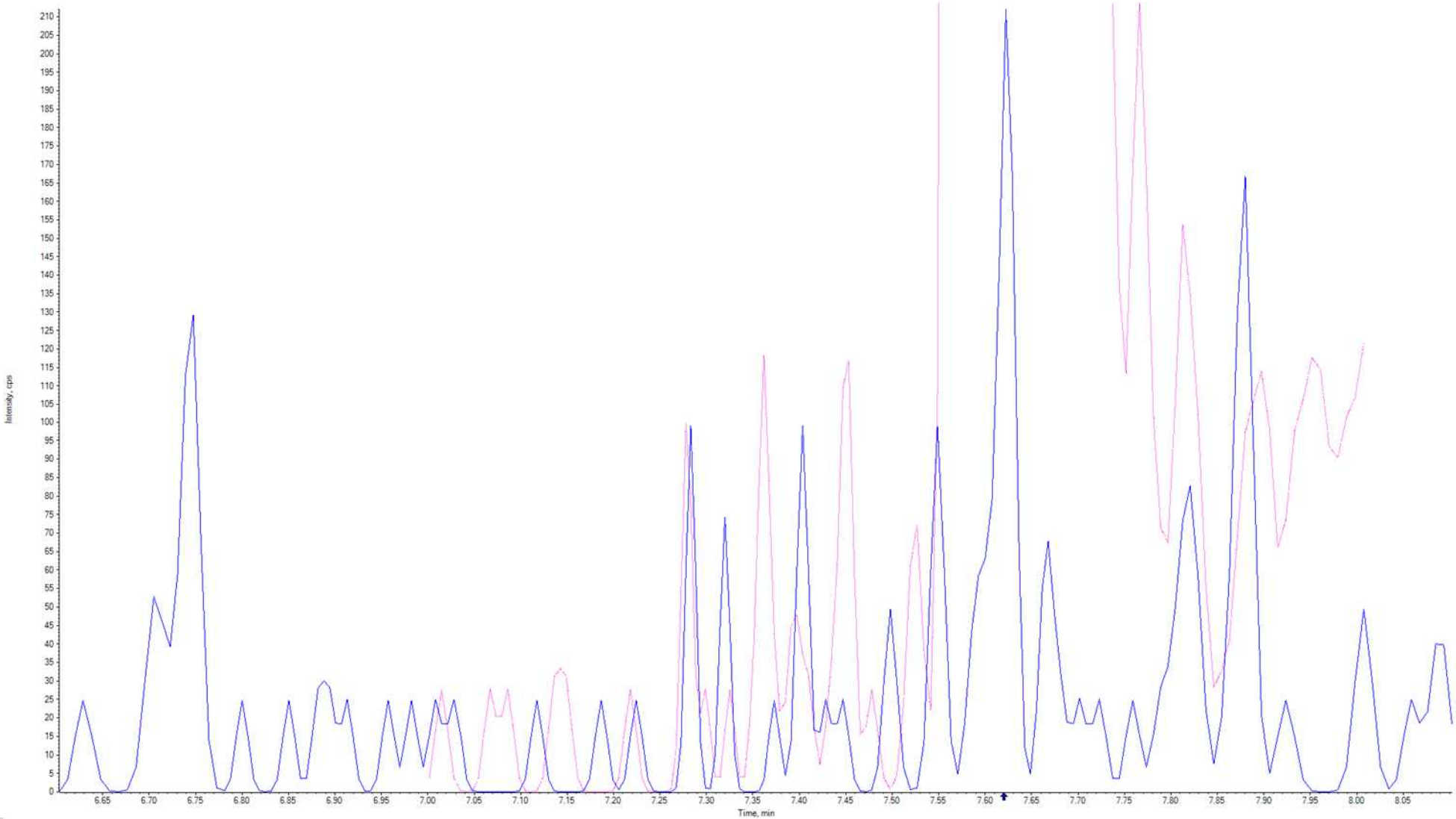

PFHpS
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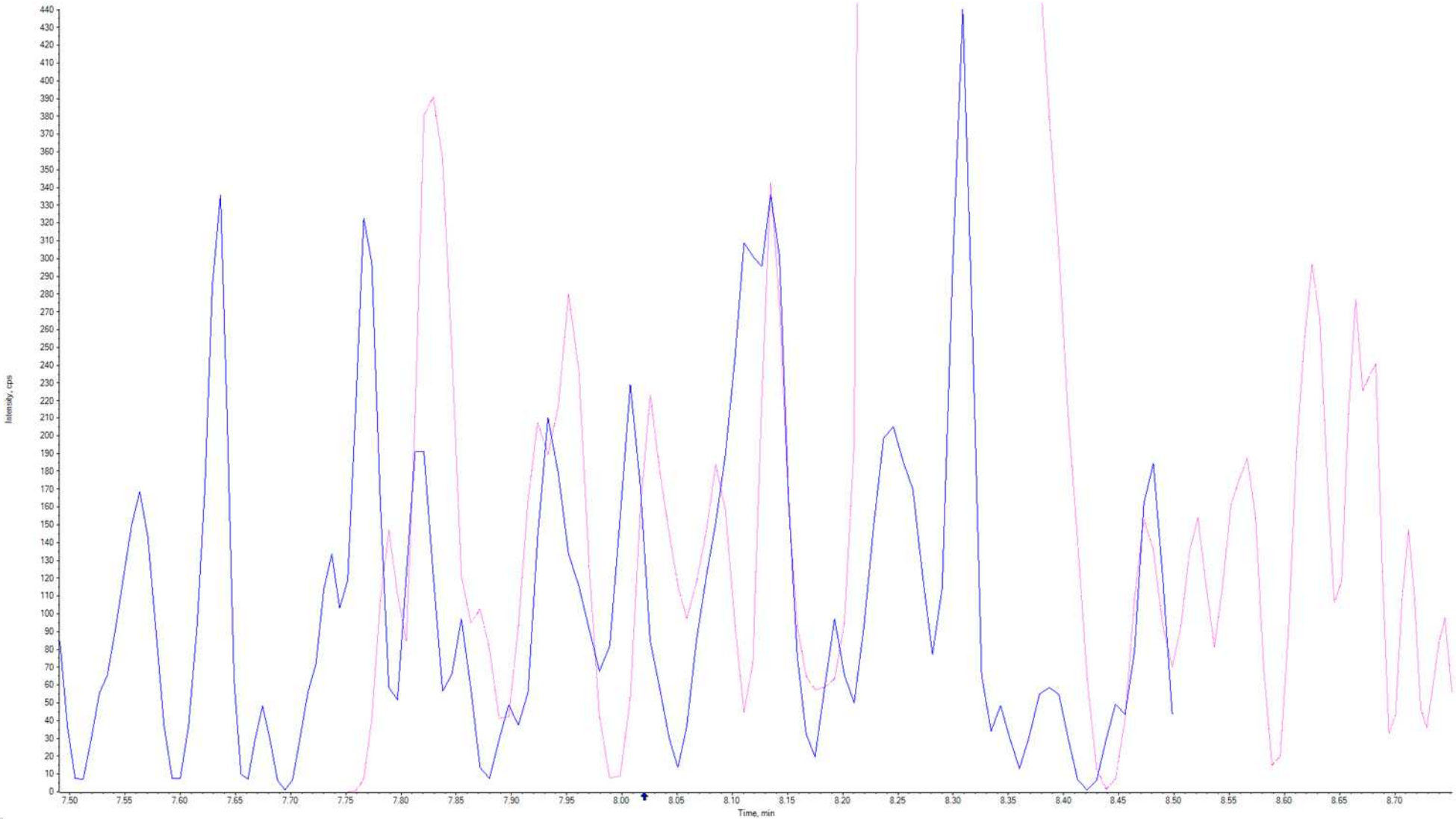

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS_2
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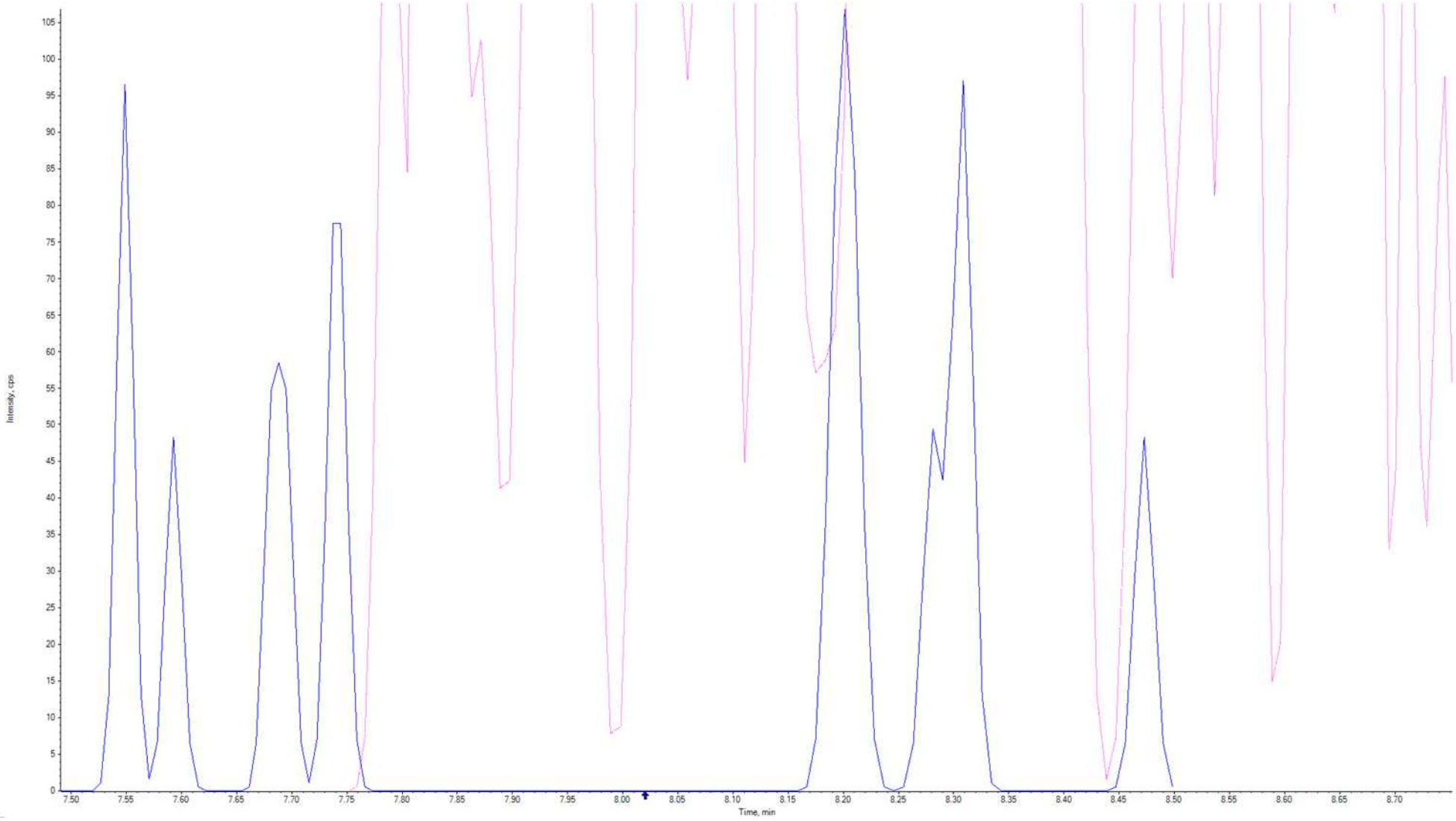
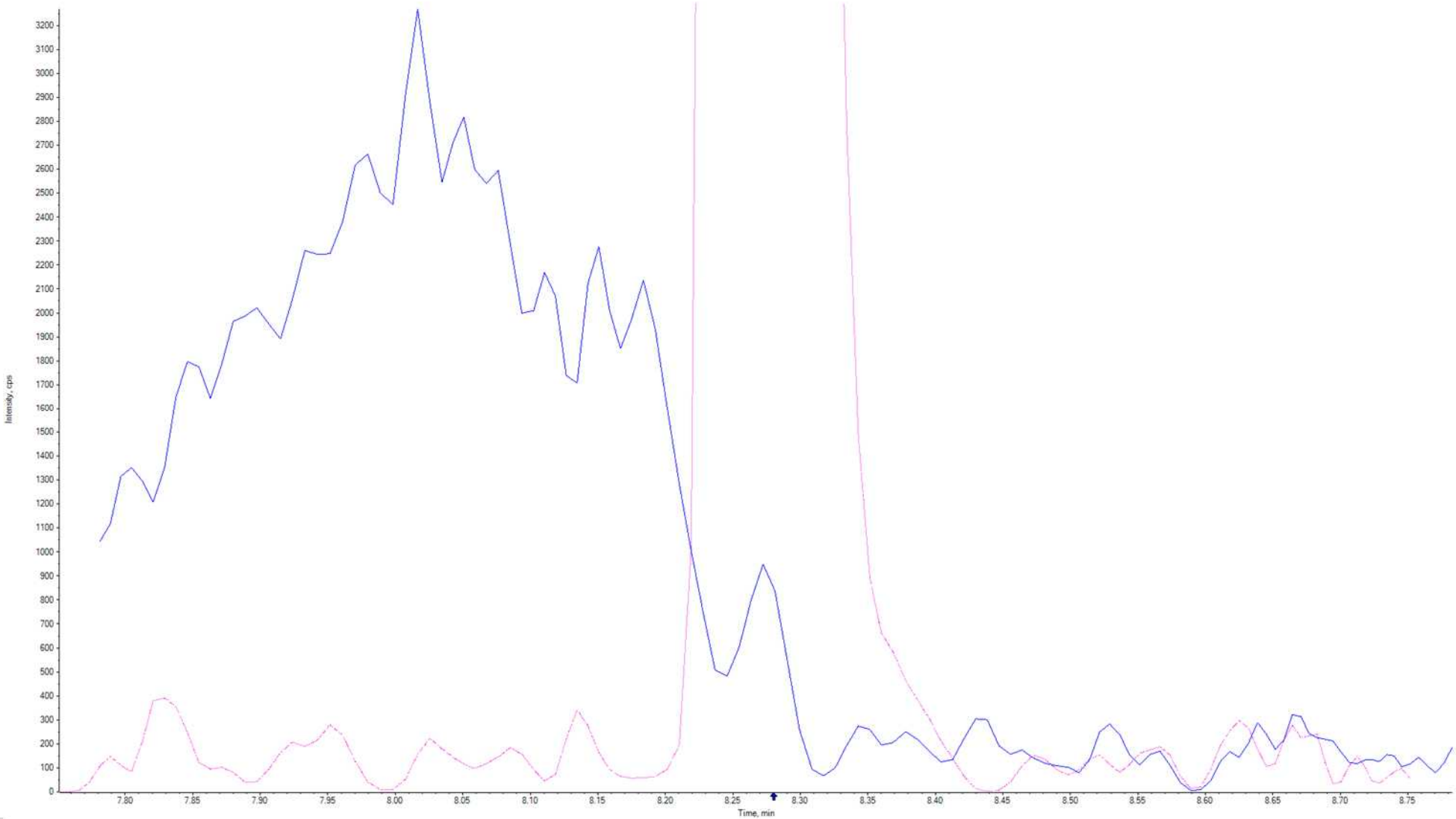


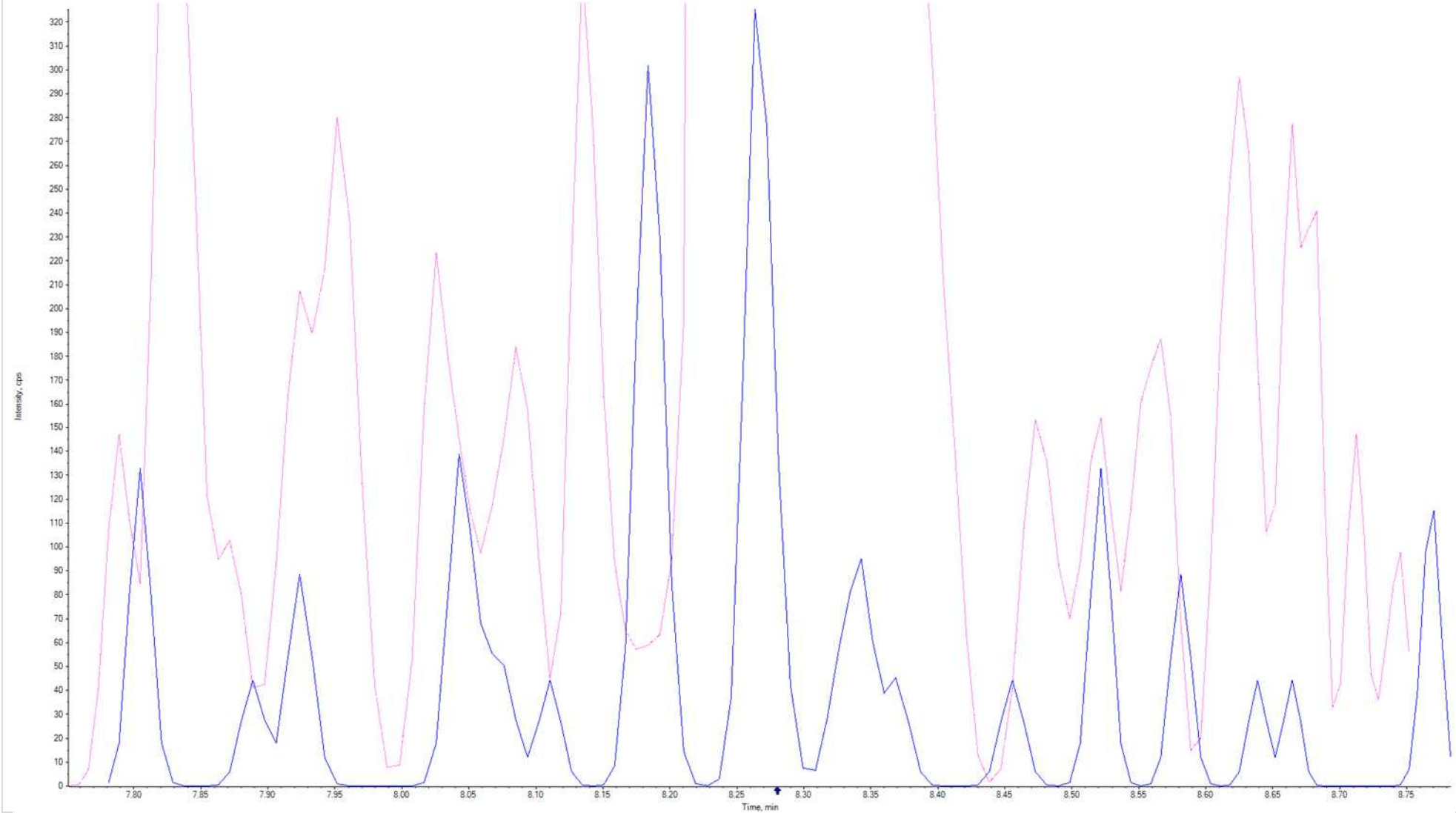
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS
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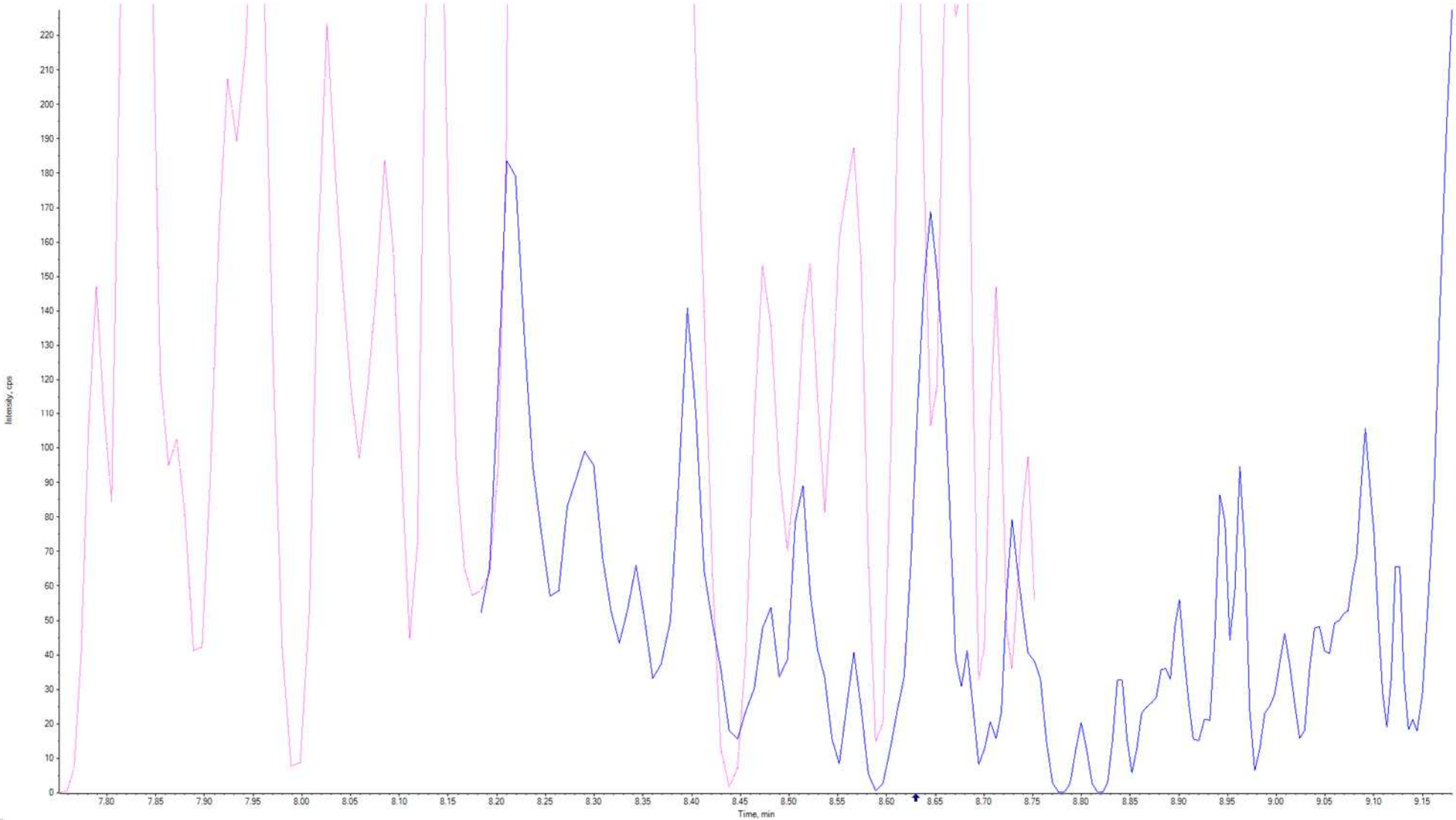
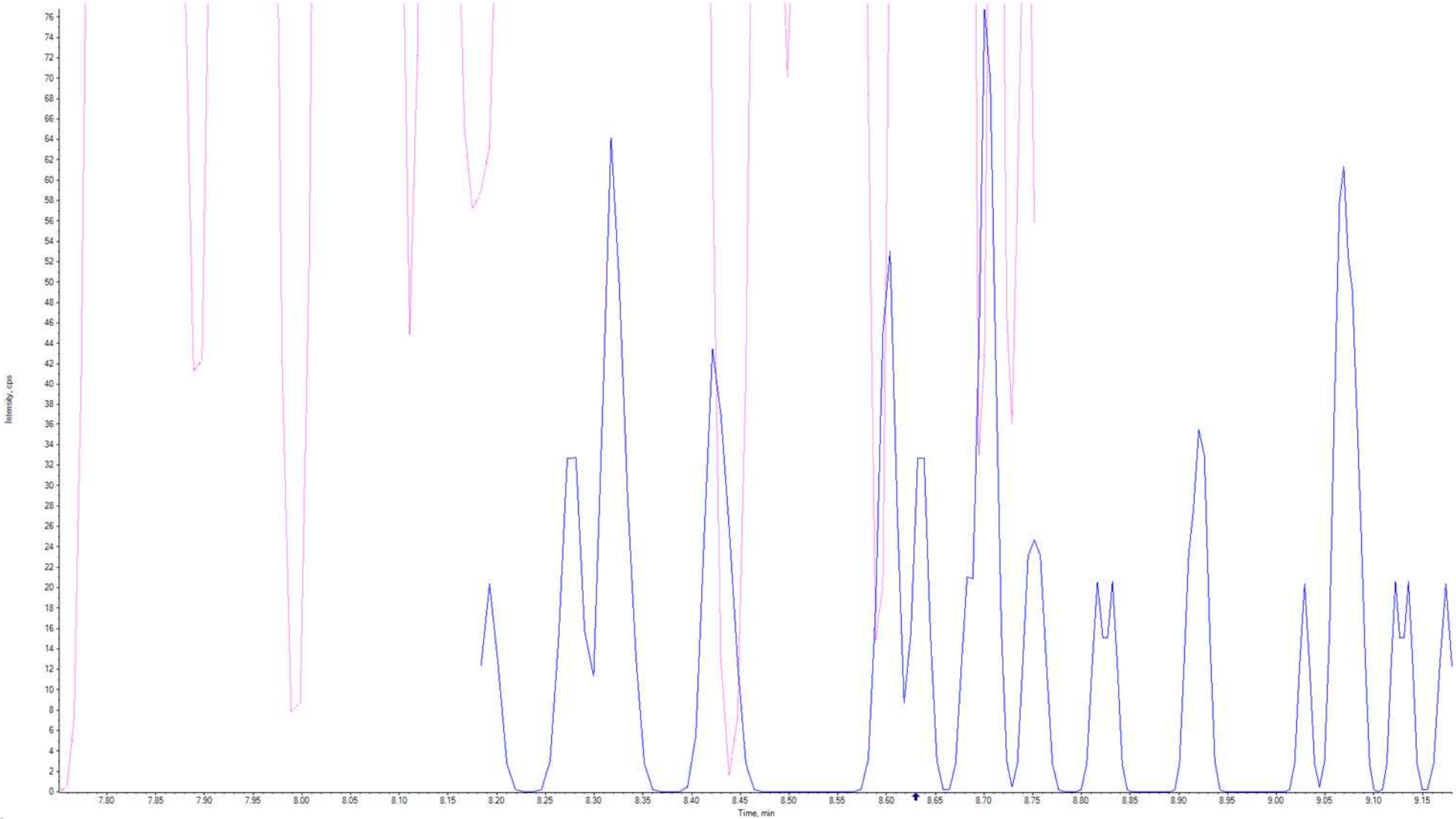


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS
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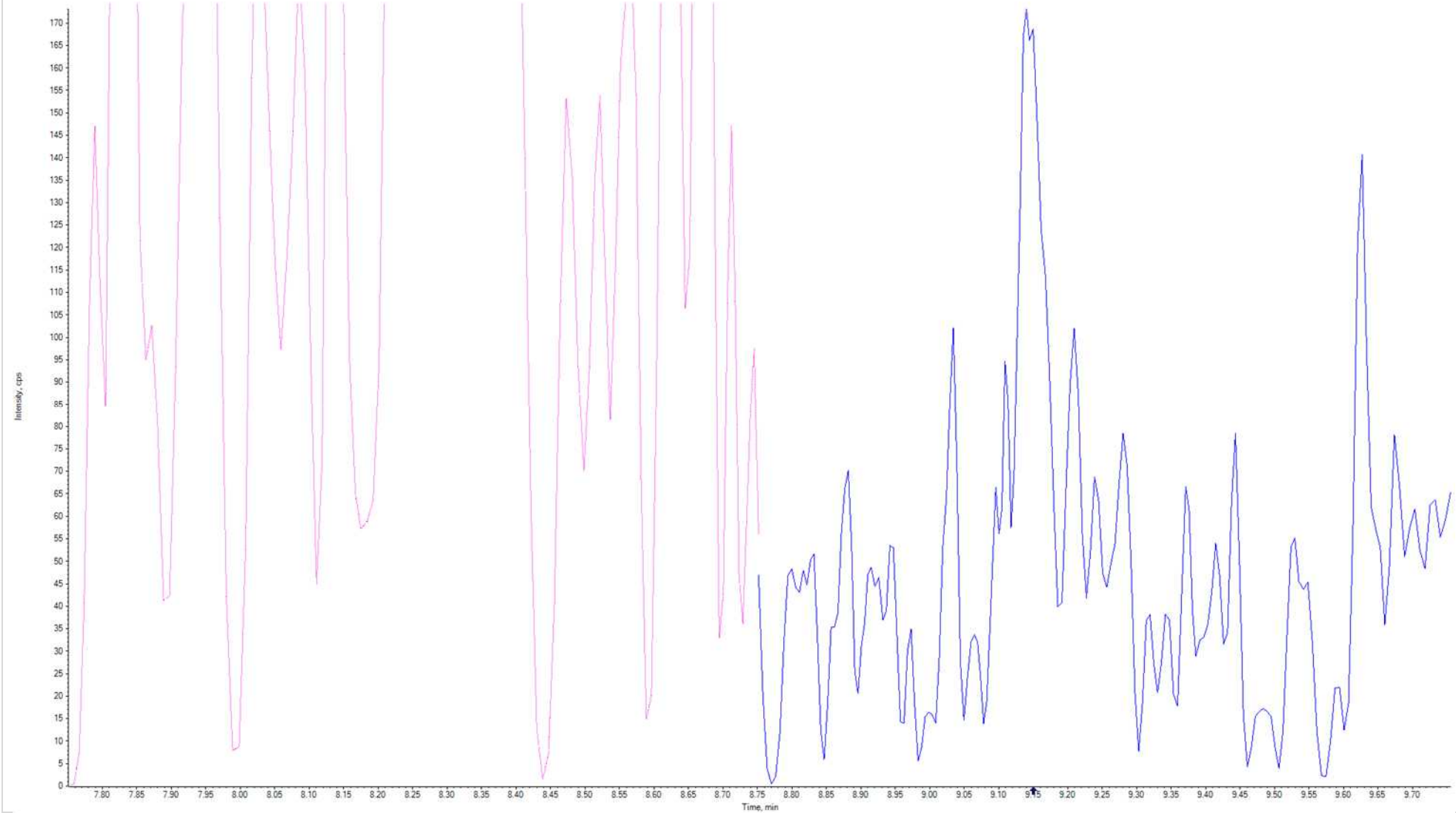

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS_2
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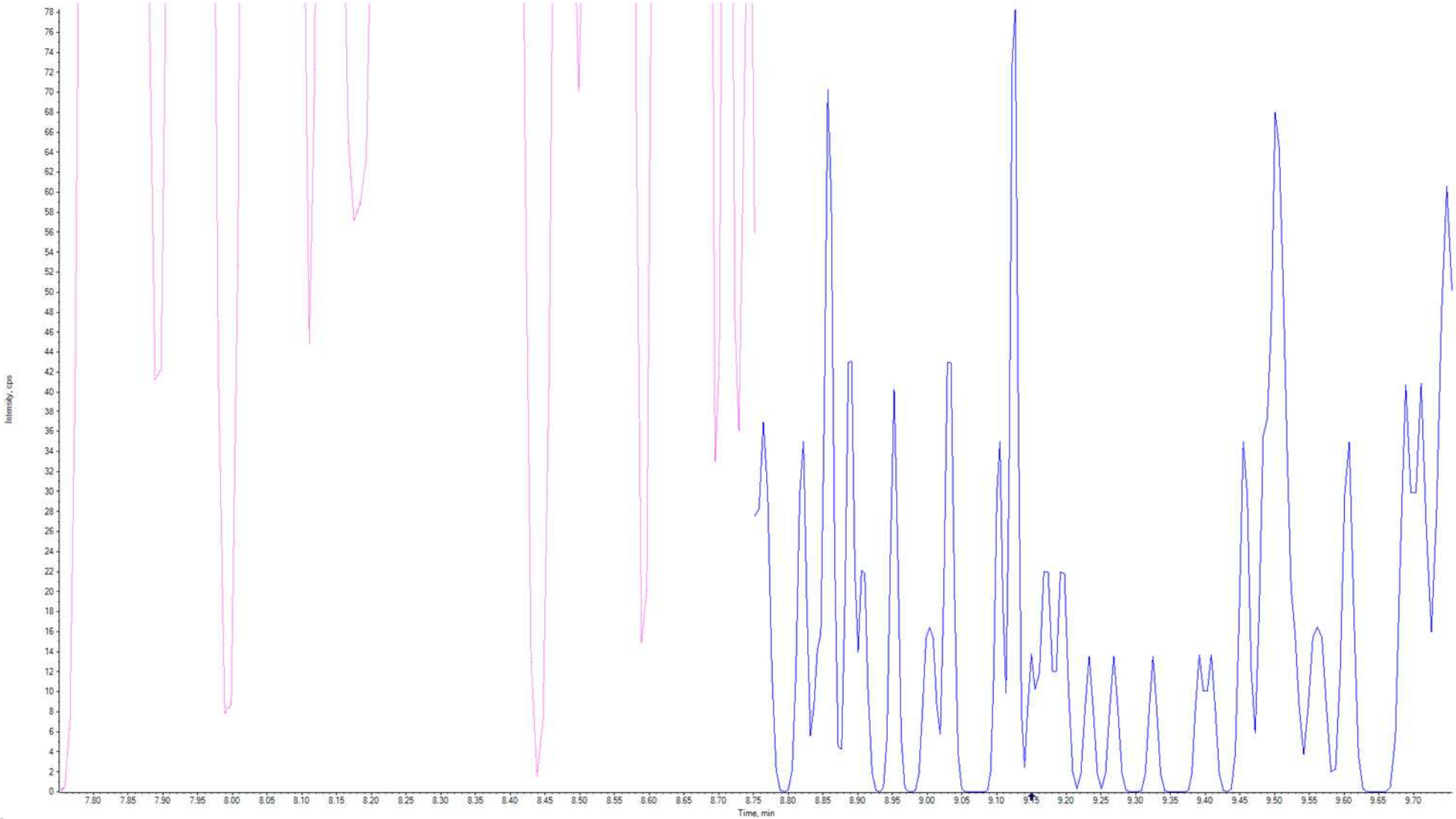

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS
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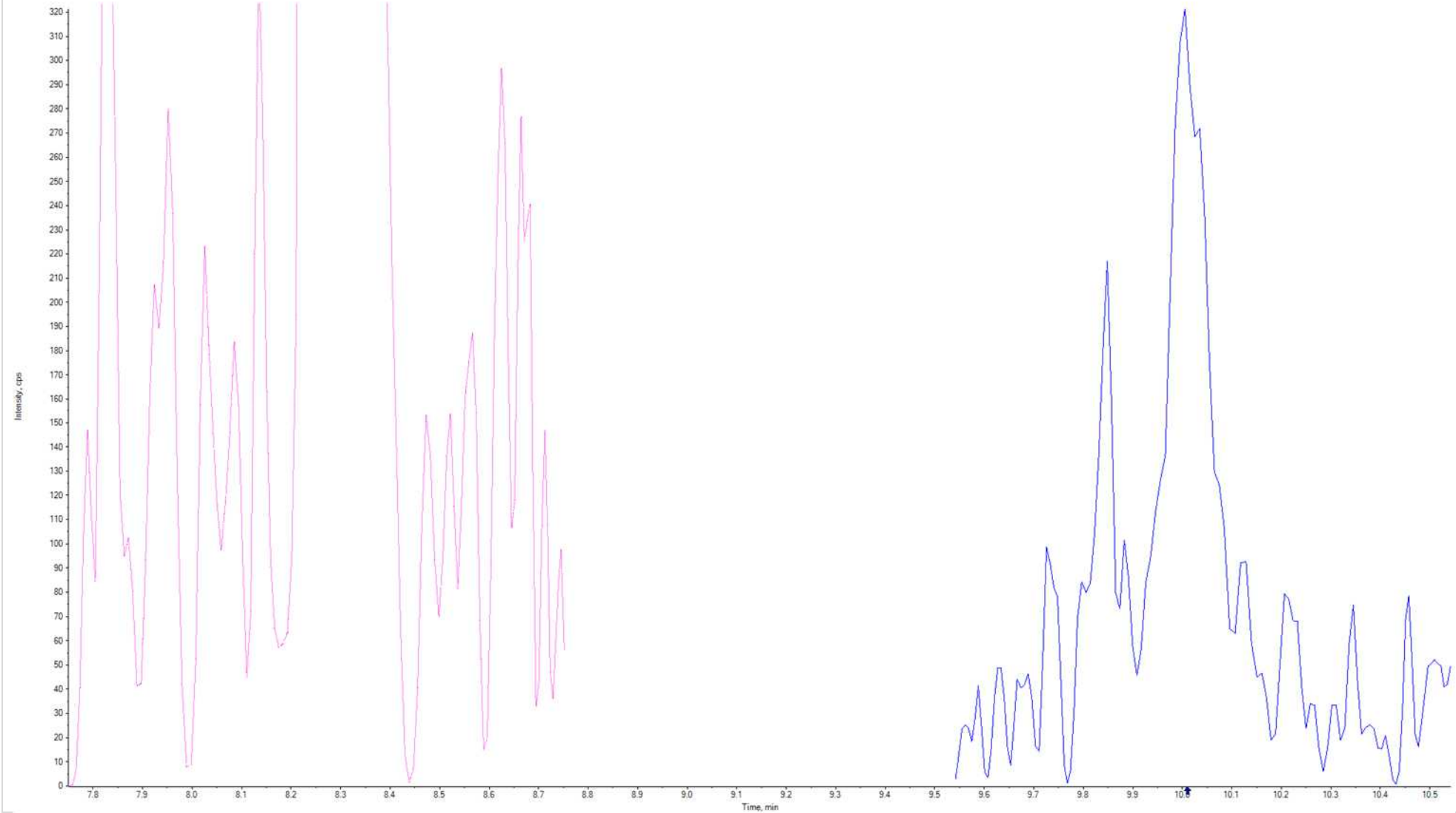

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS_2
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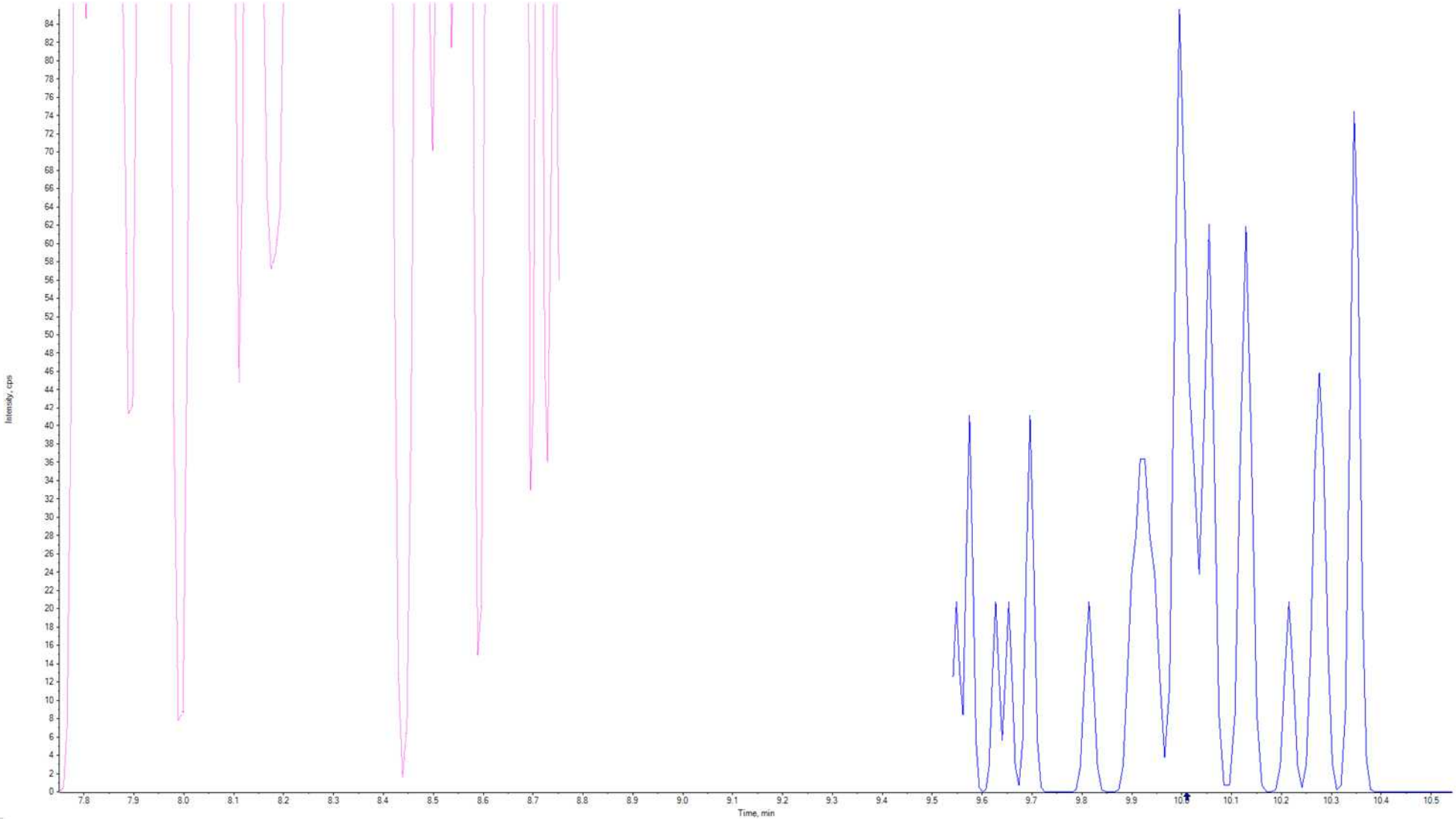
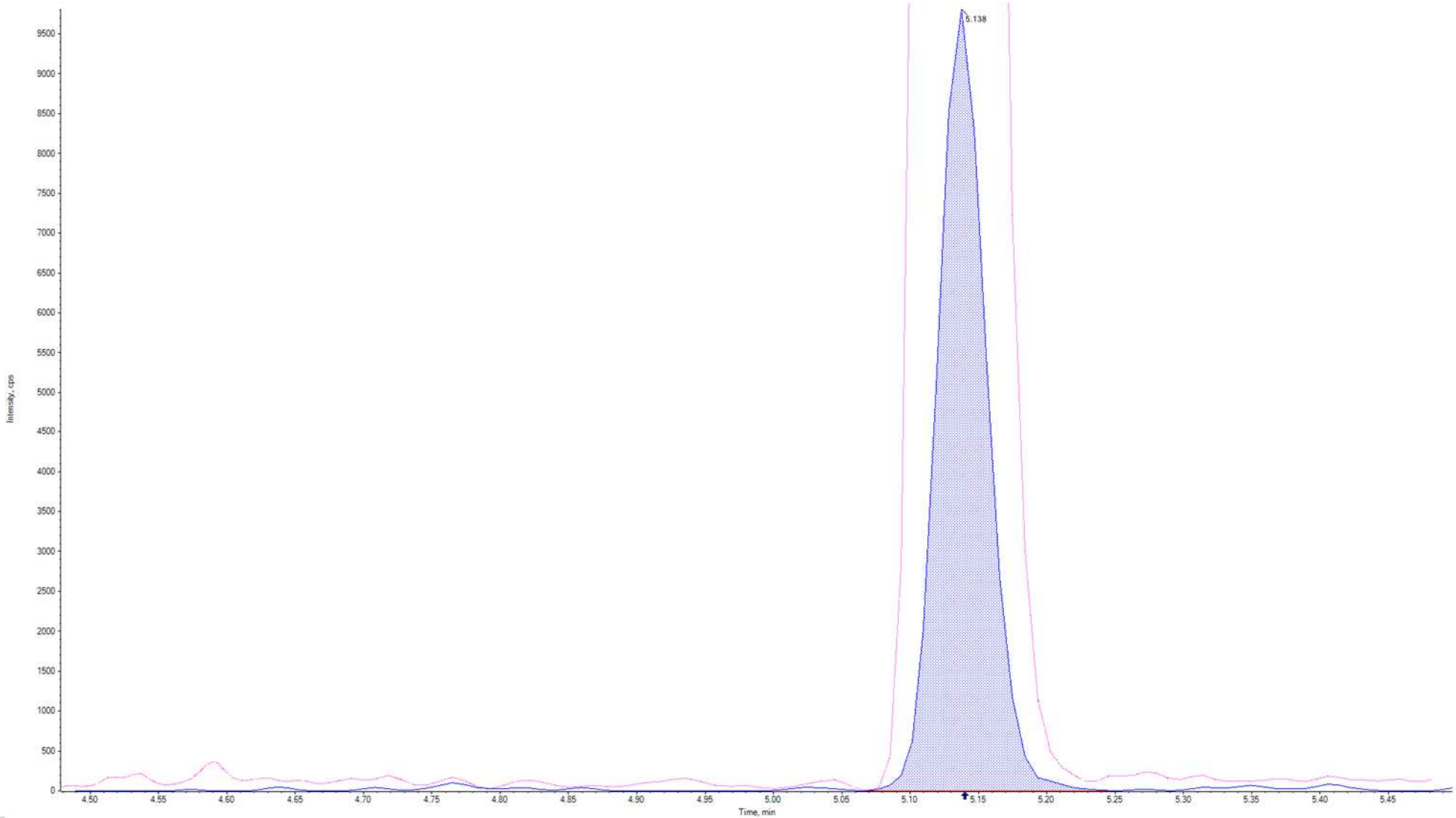


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS
Sample: WG1958909-3,INSTBLANK S/N:756.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS_2
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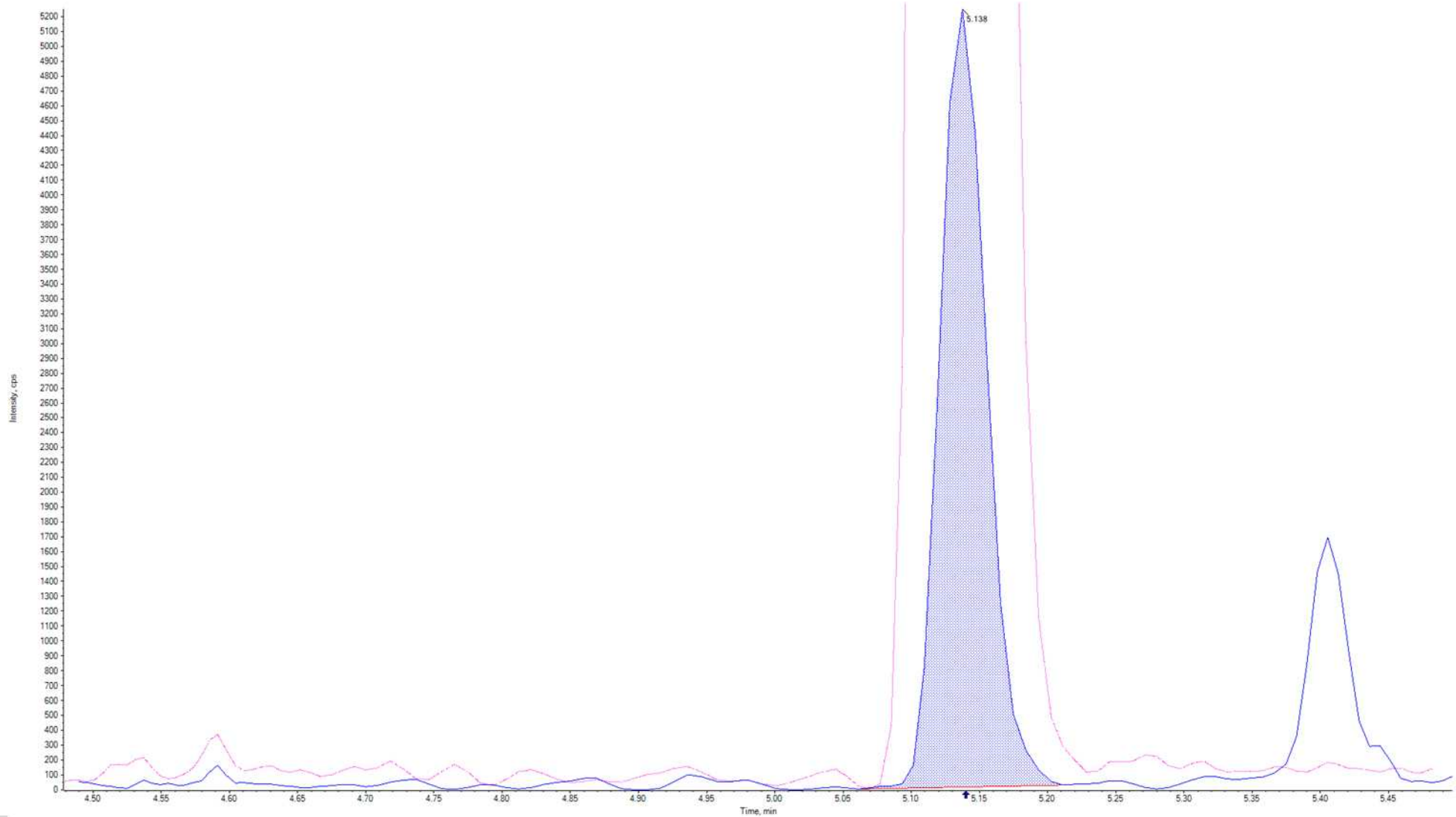

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS
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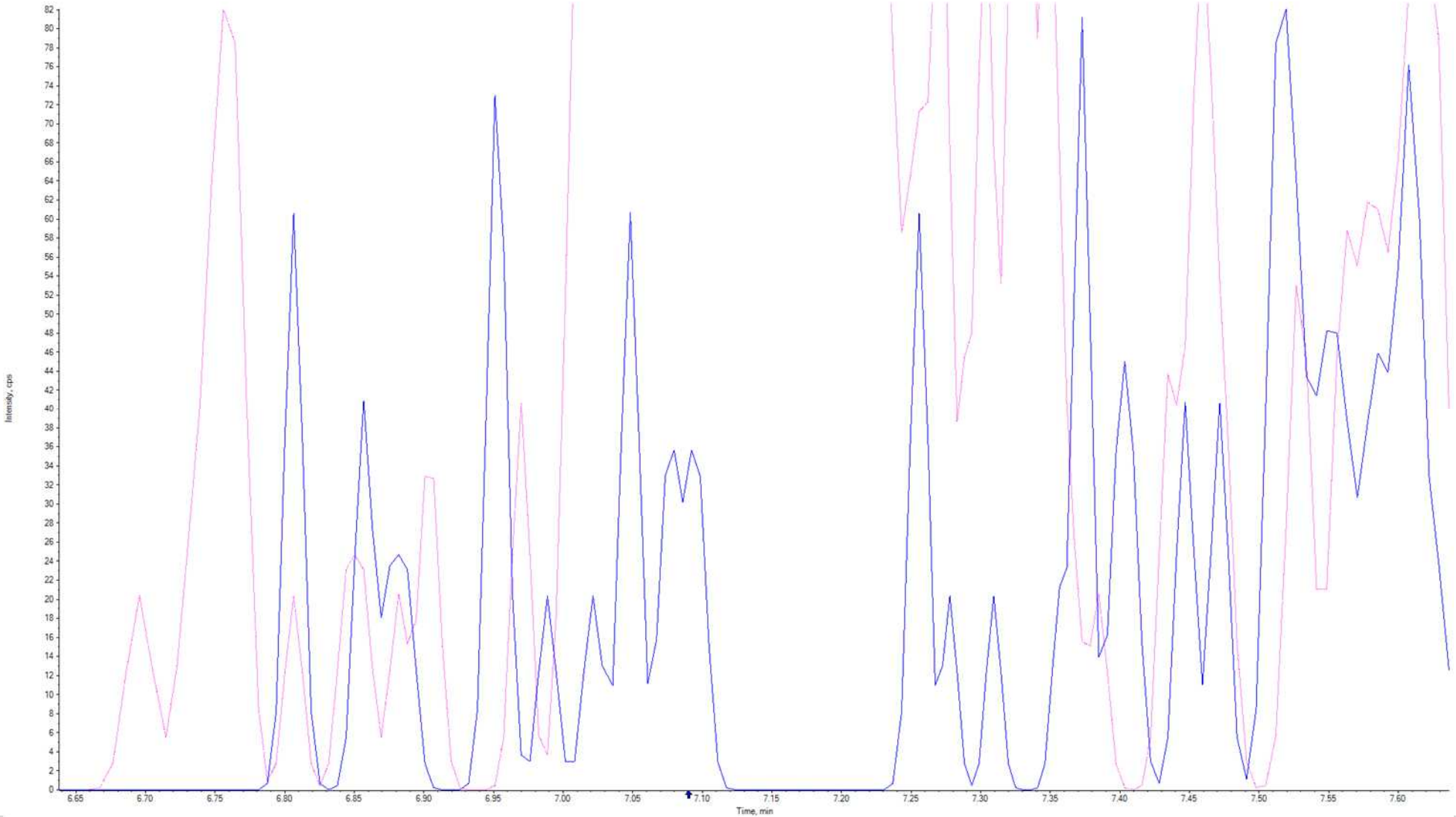

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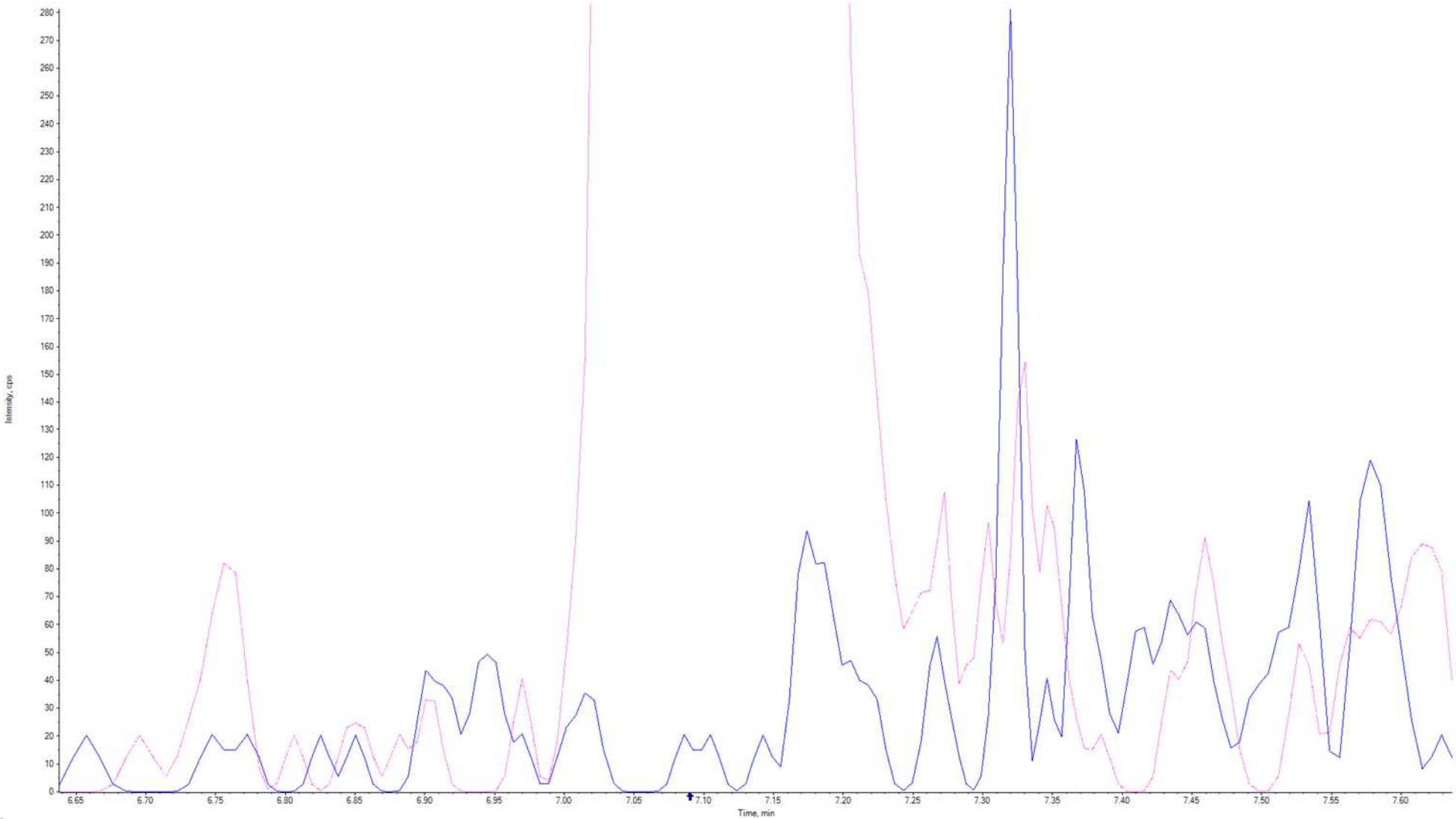

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS
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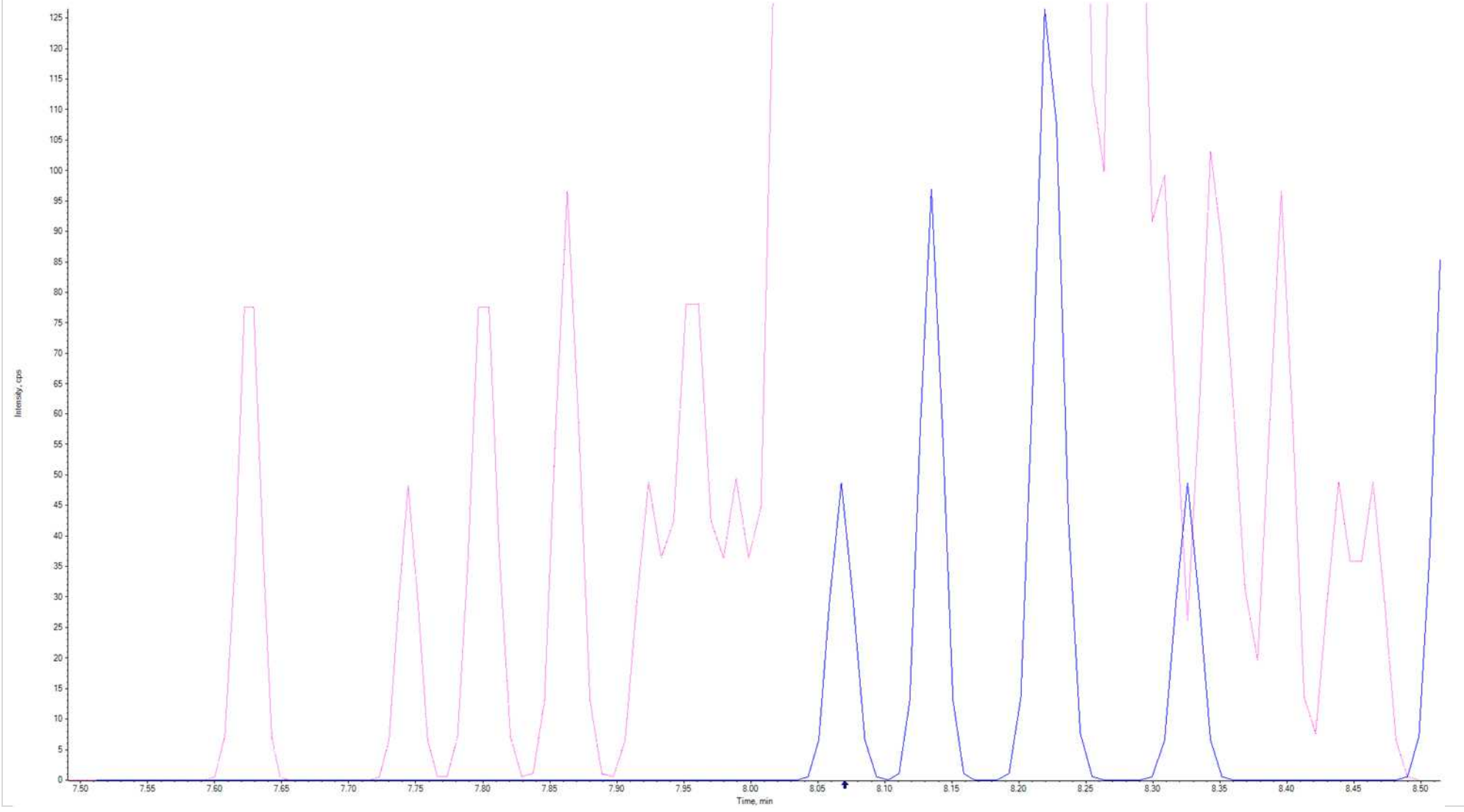

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS_2
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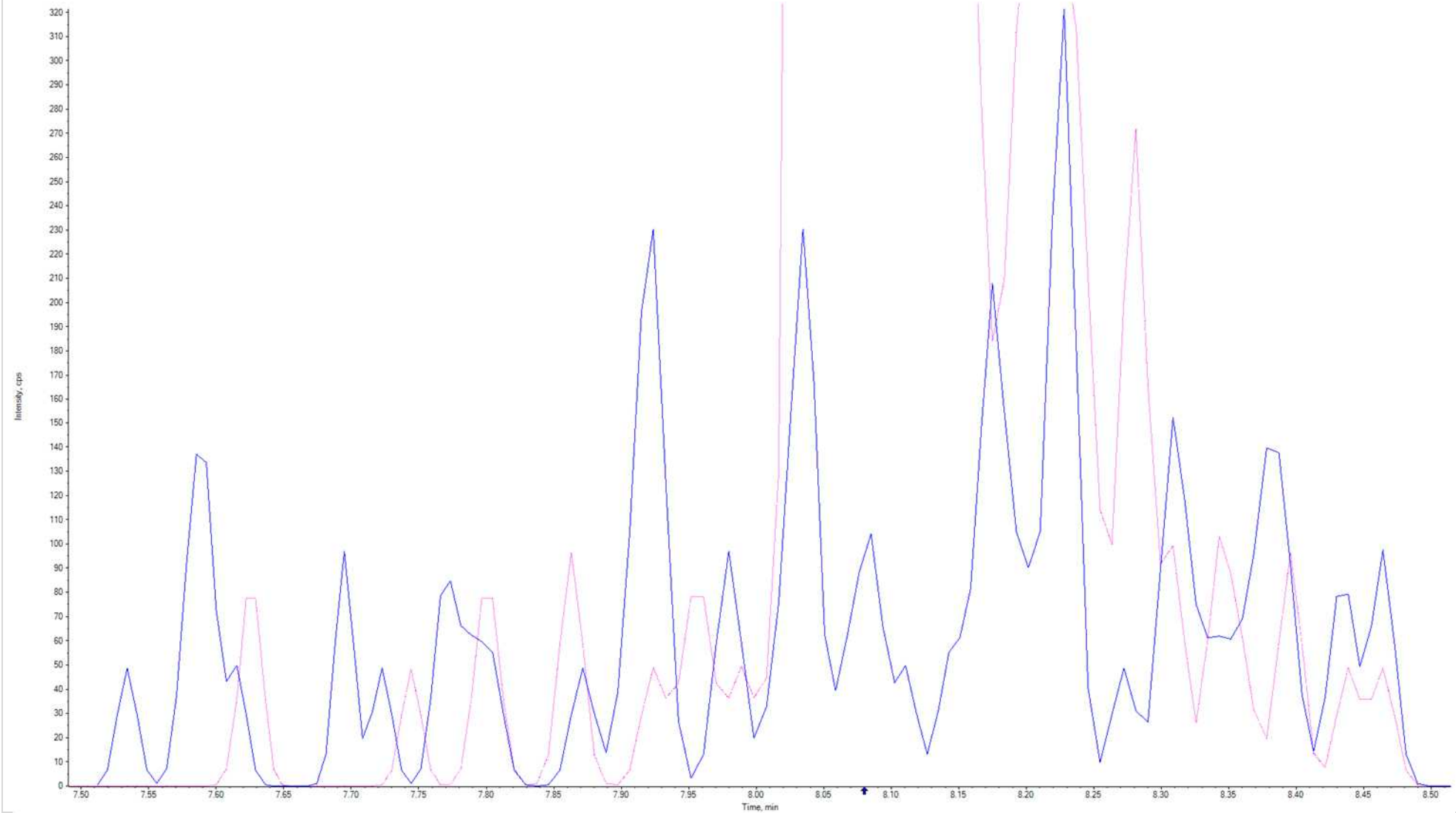
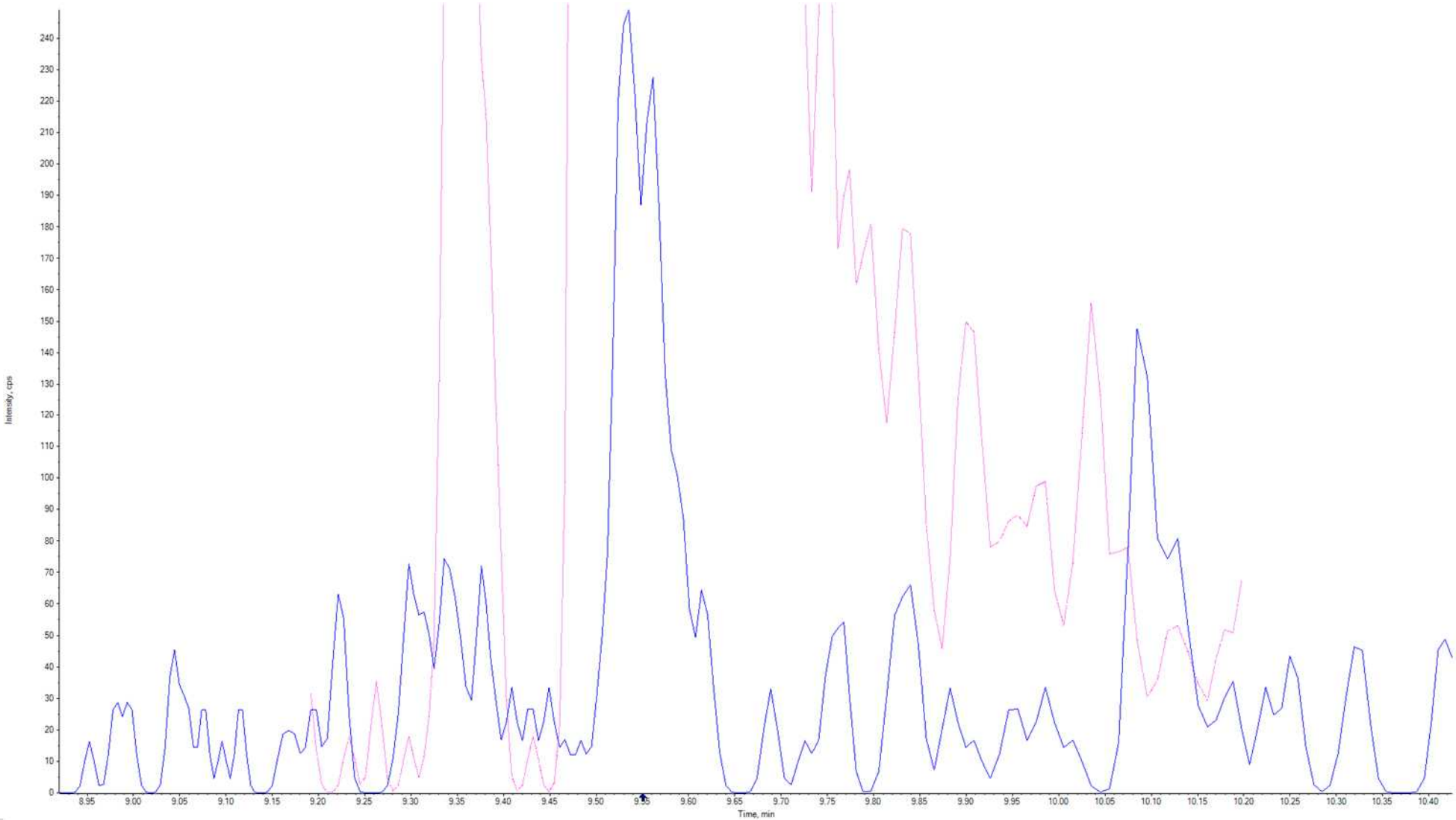


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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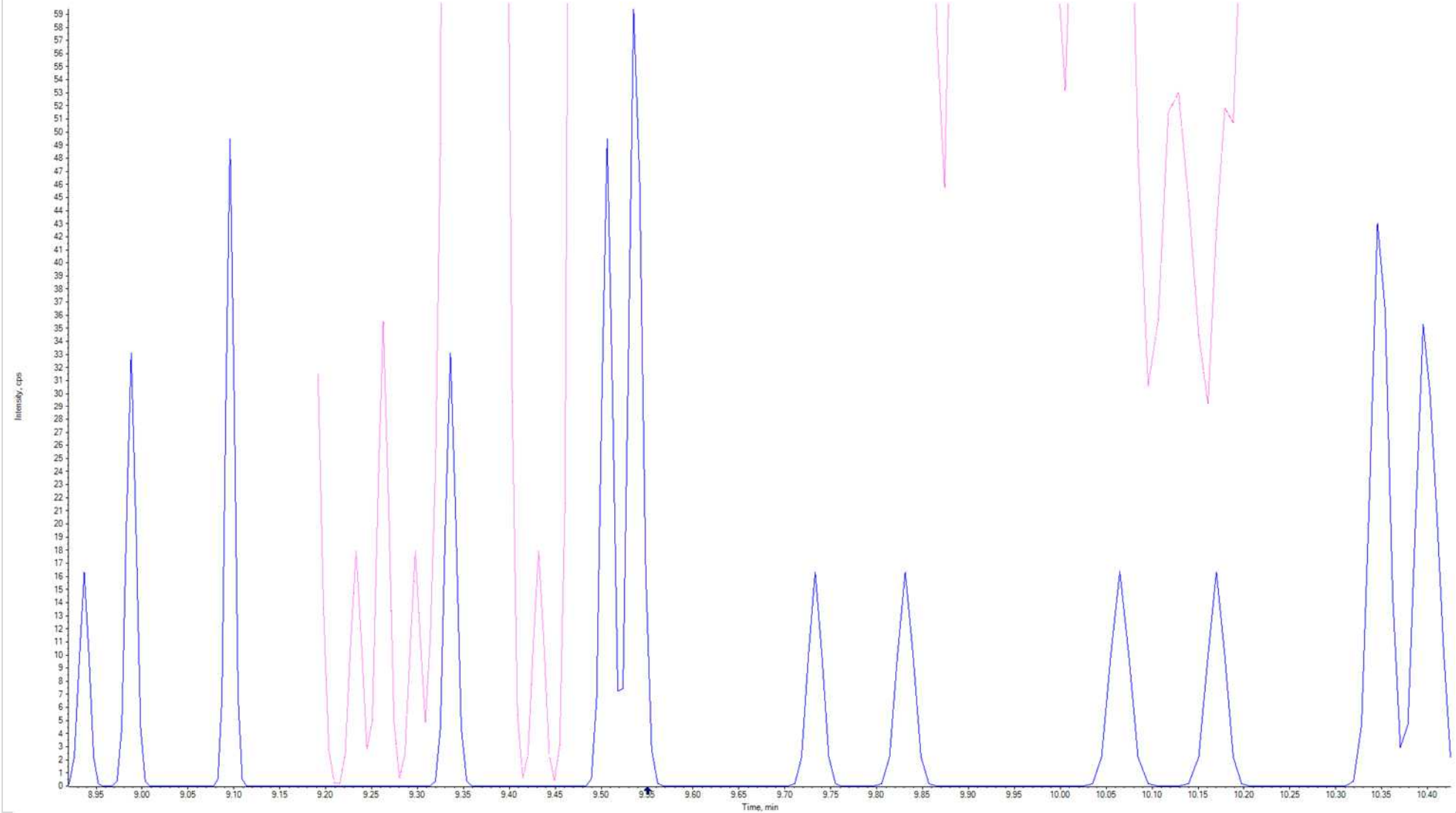
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA
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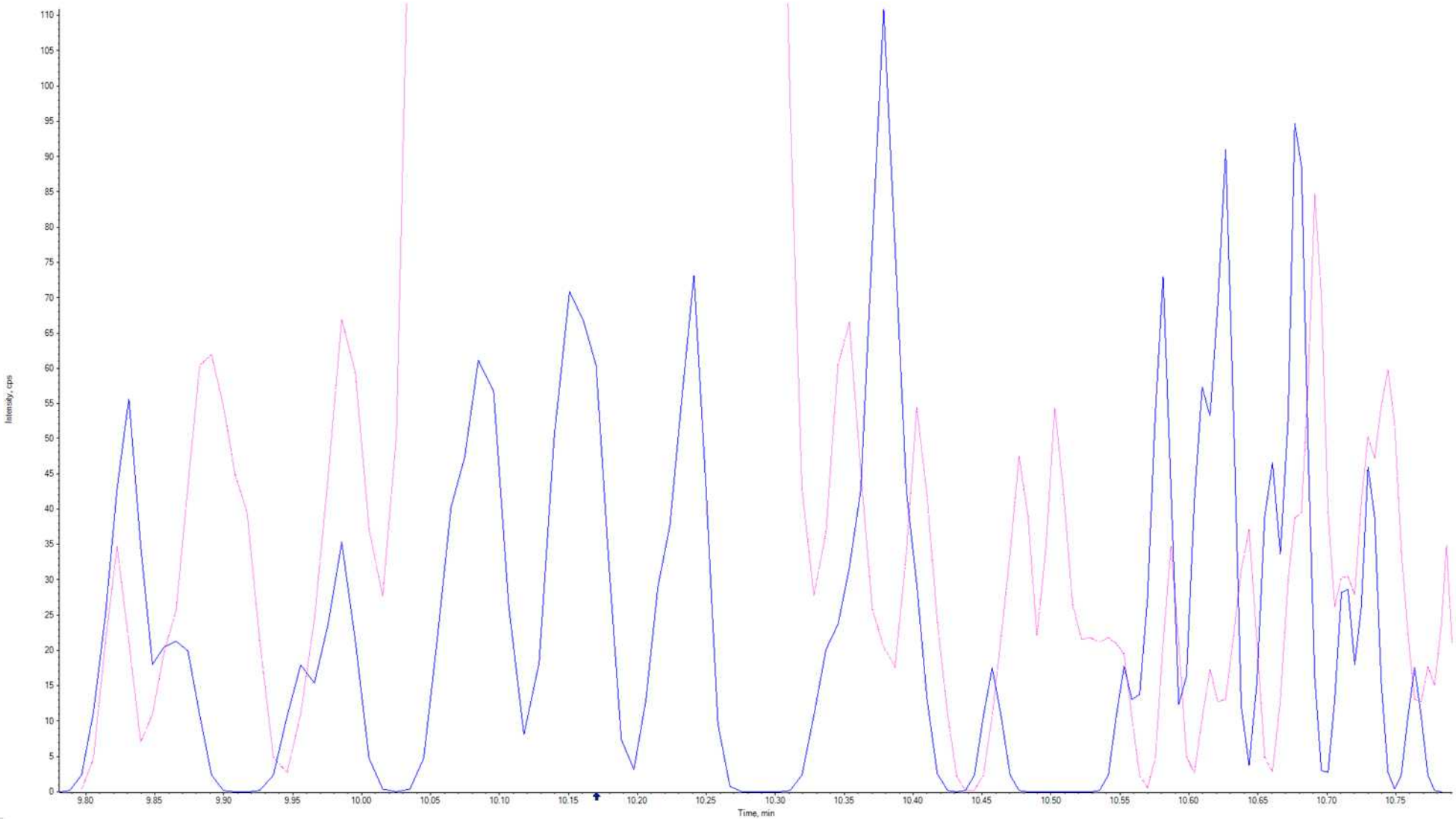
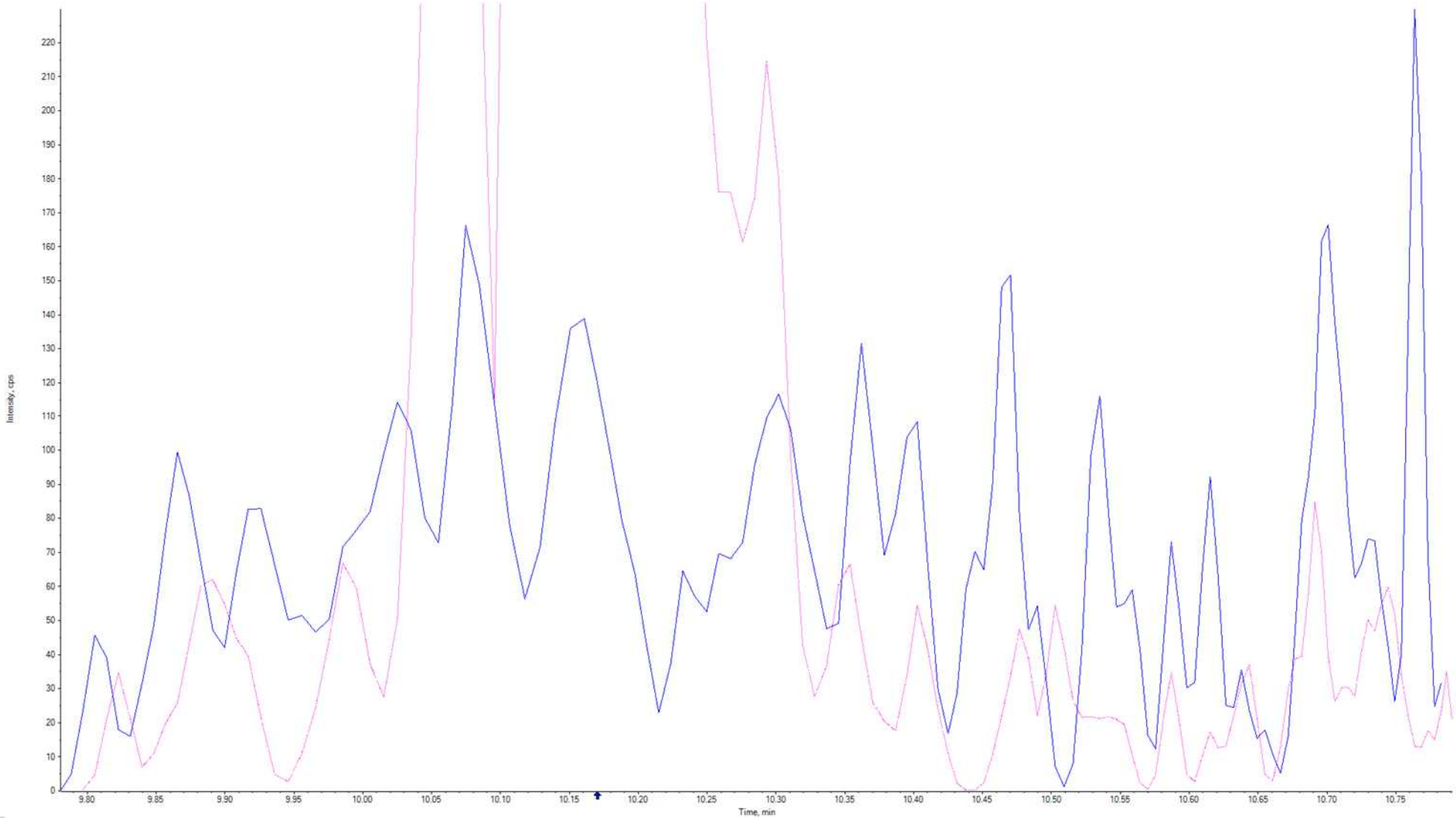


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA
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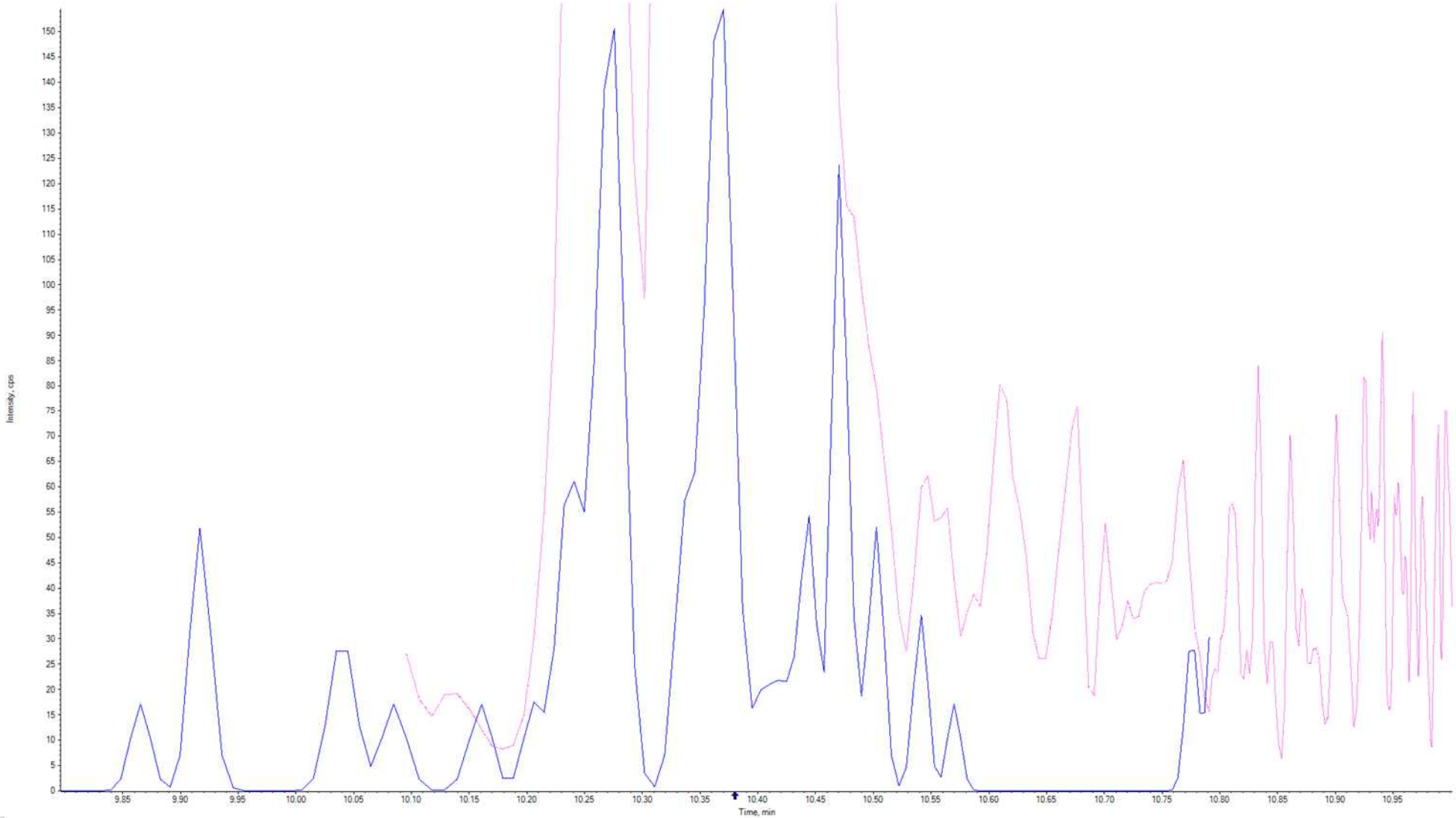

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA_2
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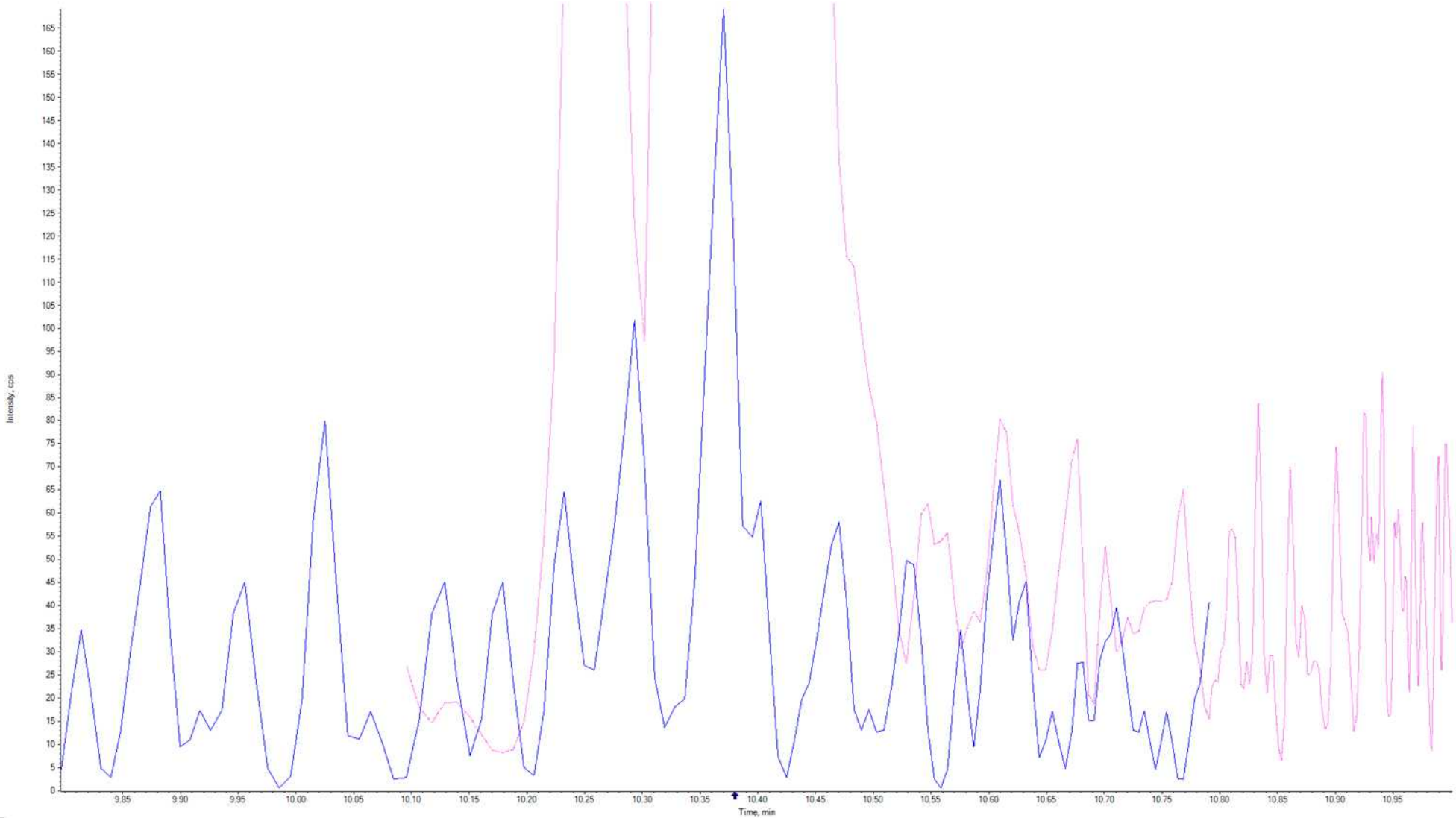

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA
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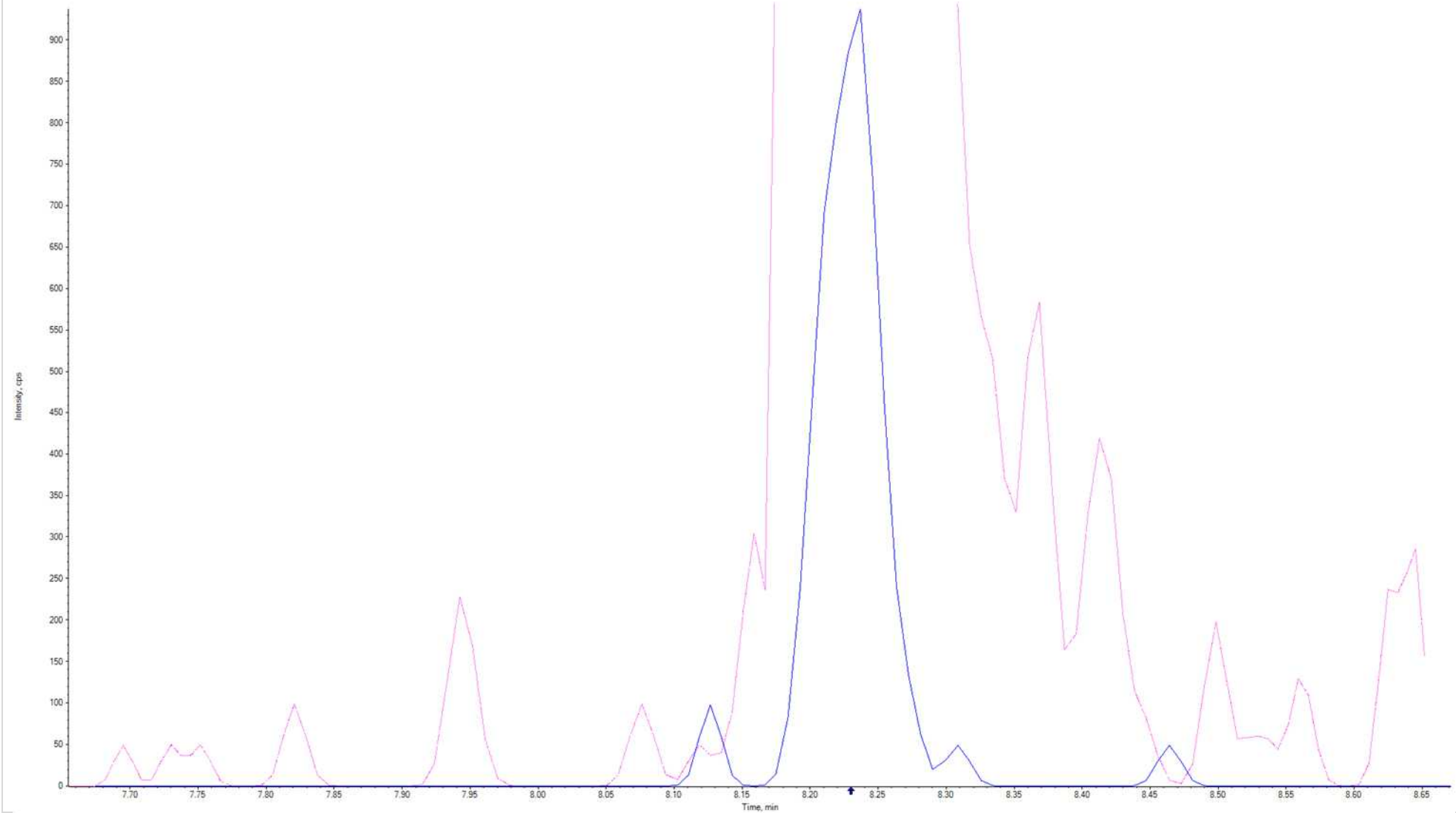
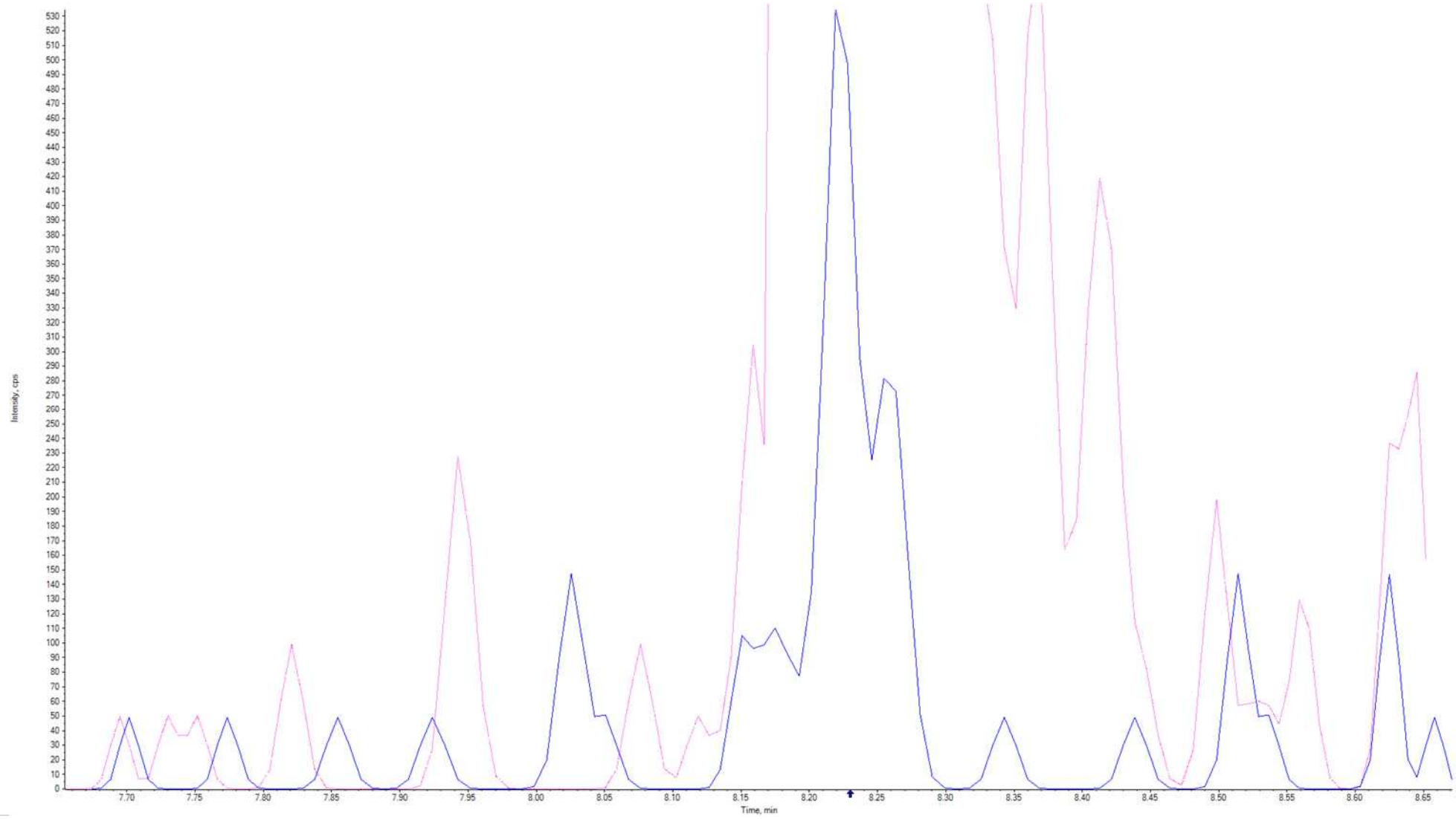


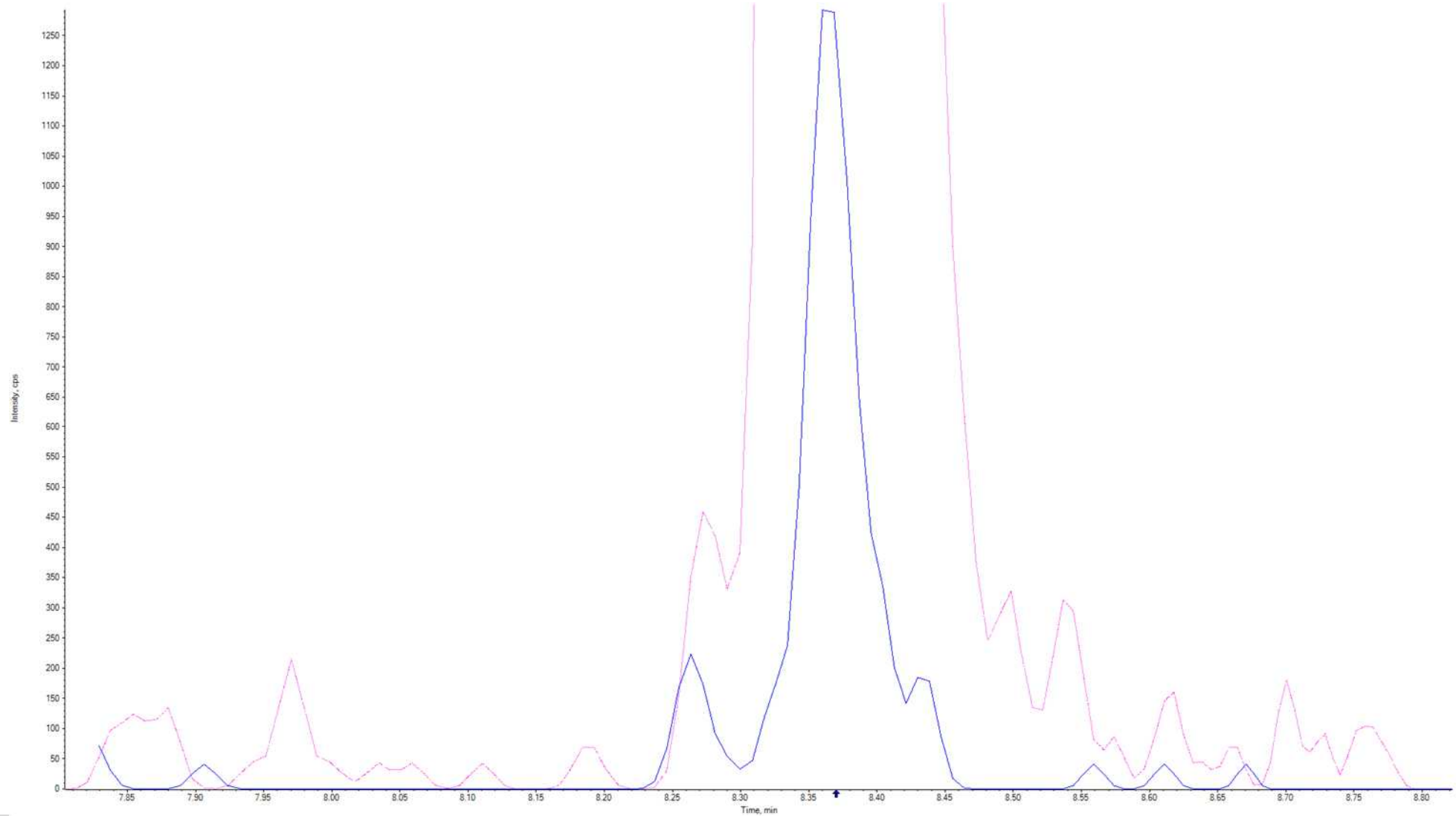
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



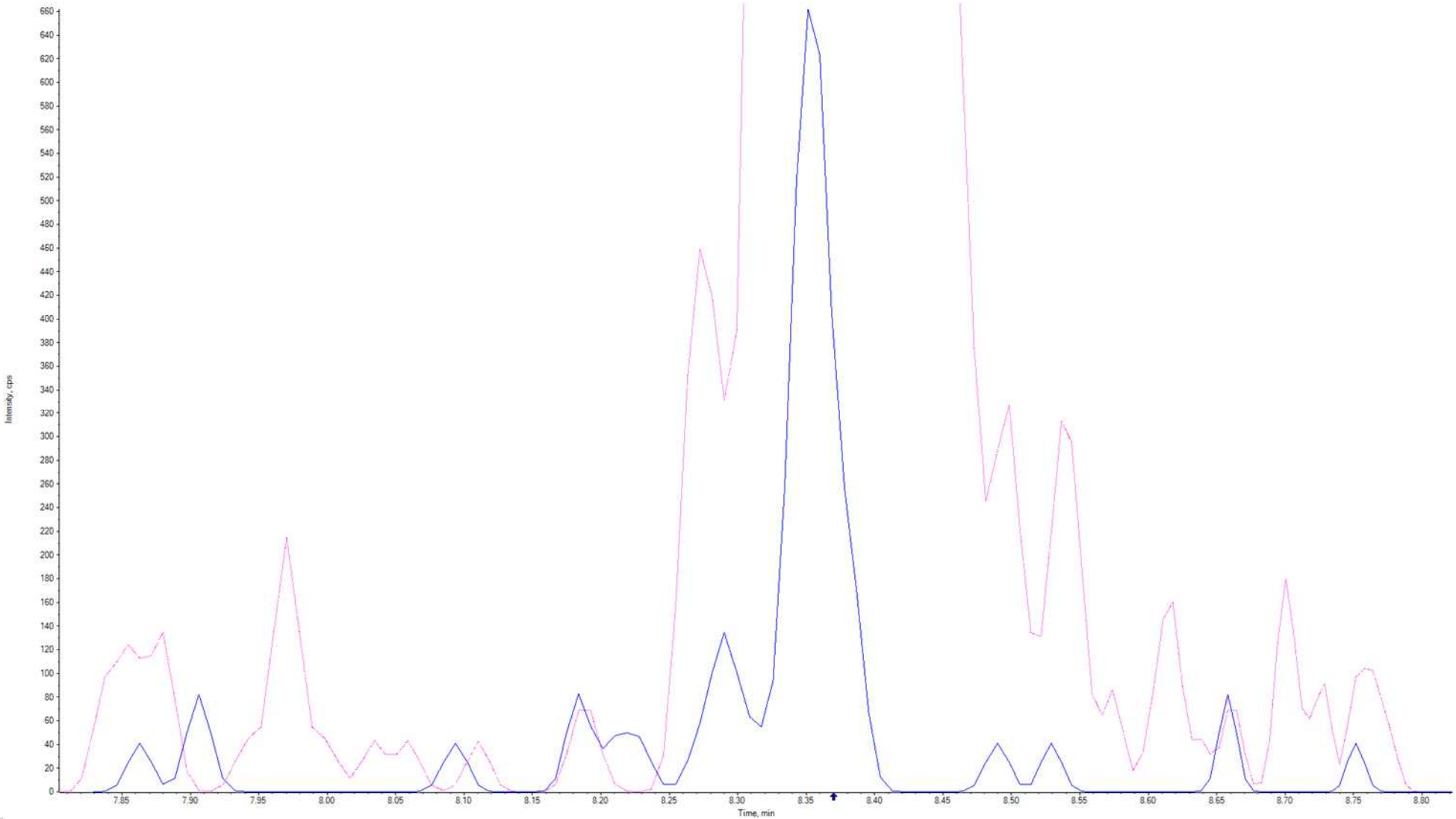
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



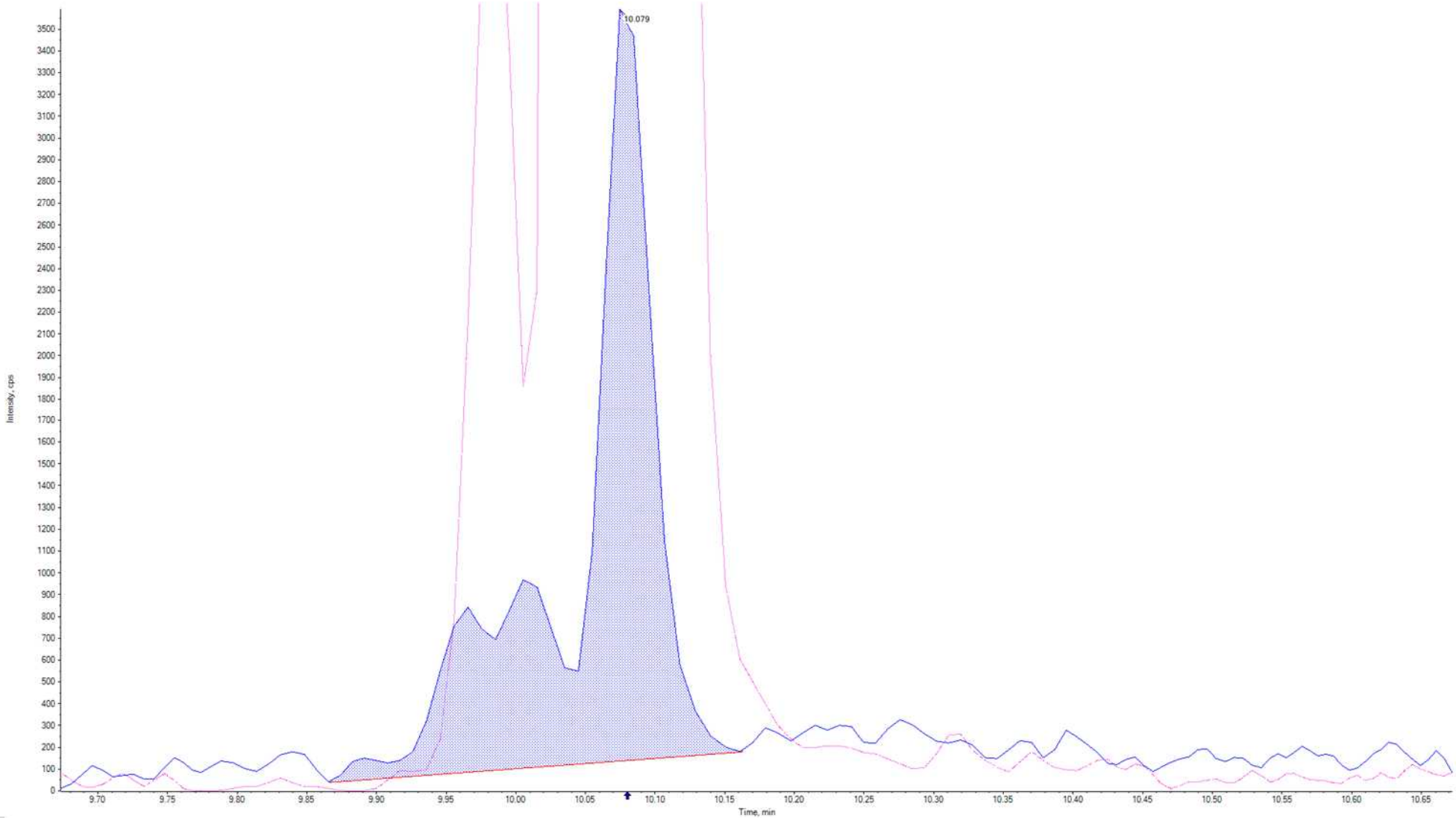
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



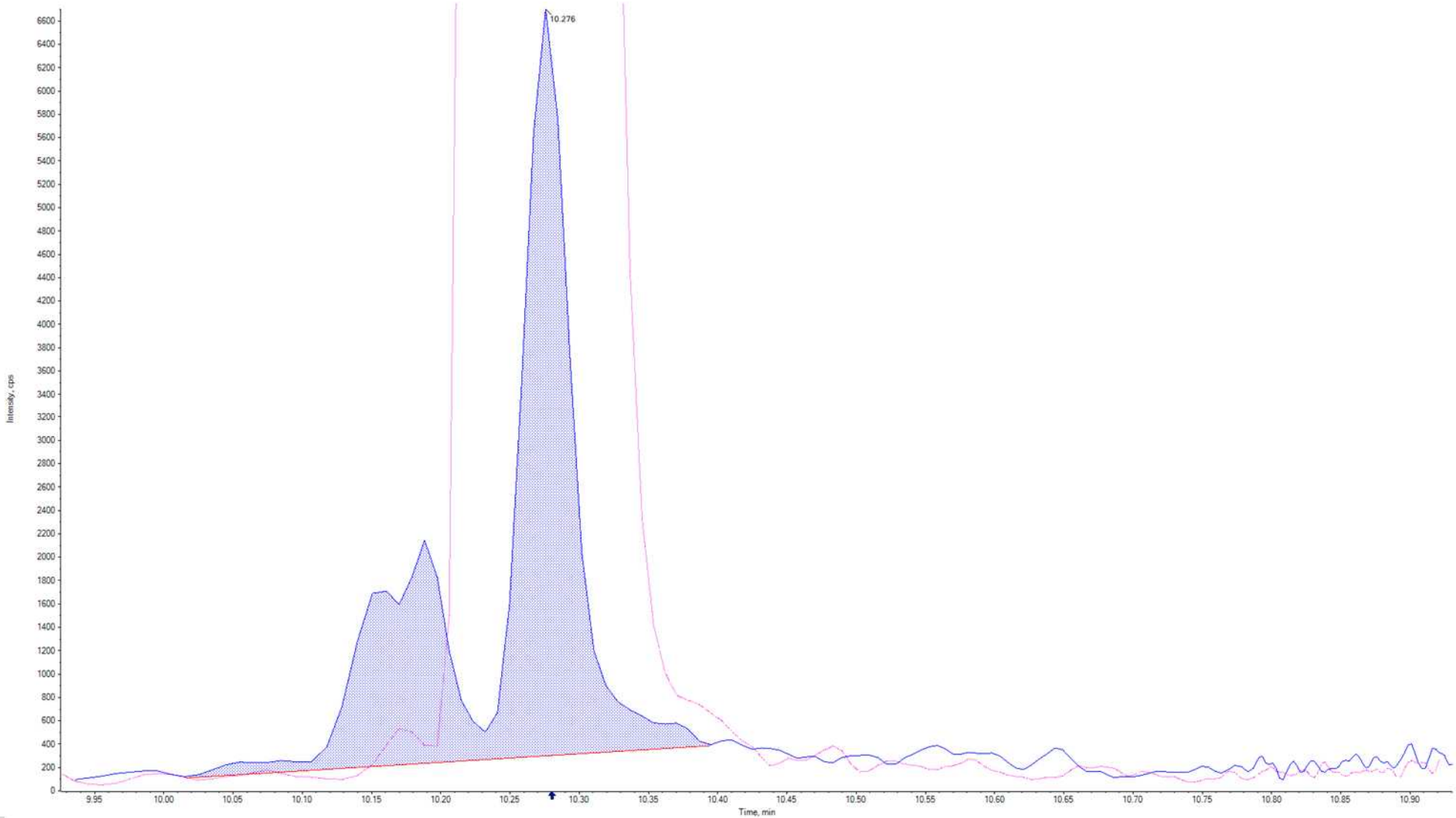
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSE
Sample: WG1958909-3,INSTBLANK S/N:204.8 Points Across peak:32



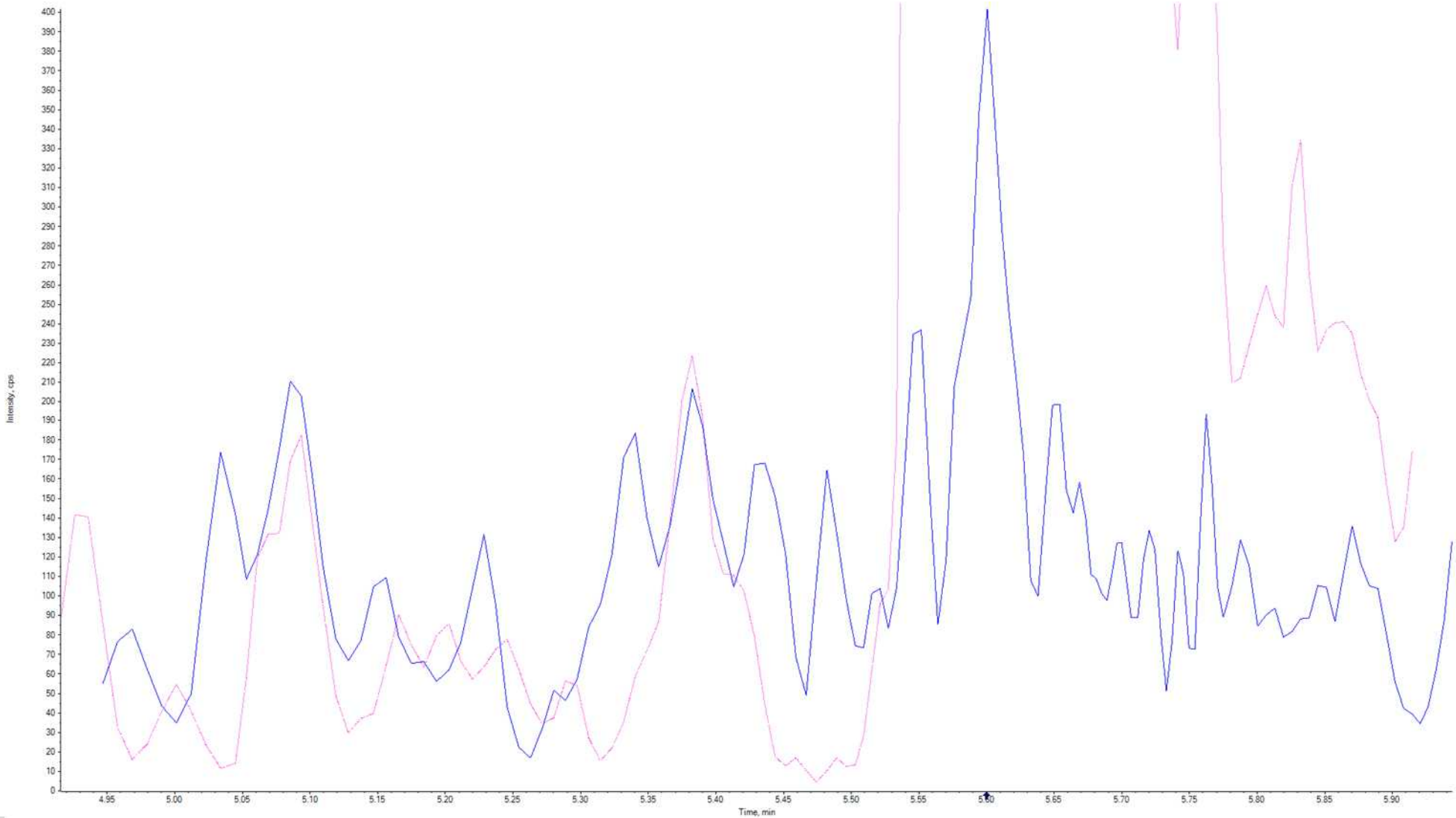
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSE
Sample: WG1958909-3,INSTBLANK S/N:249.5 Points Across peak:42



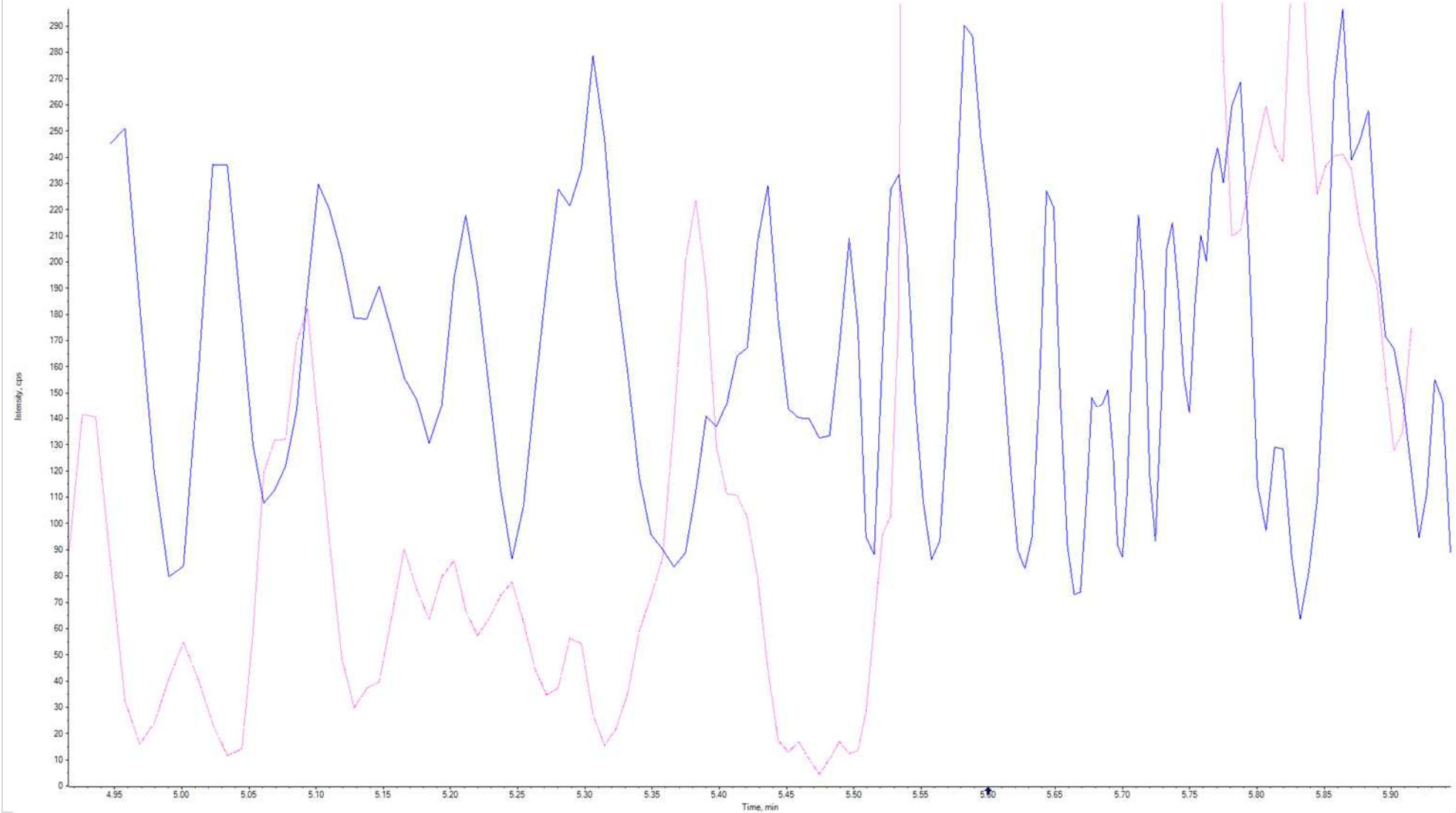
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

HFPO-DA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



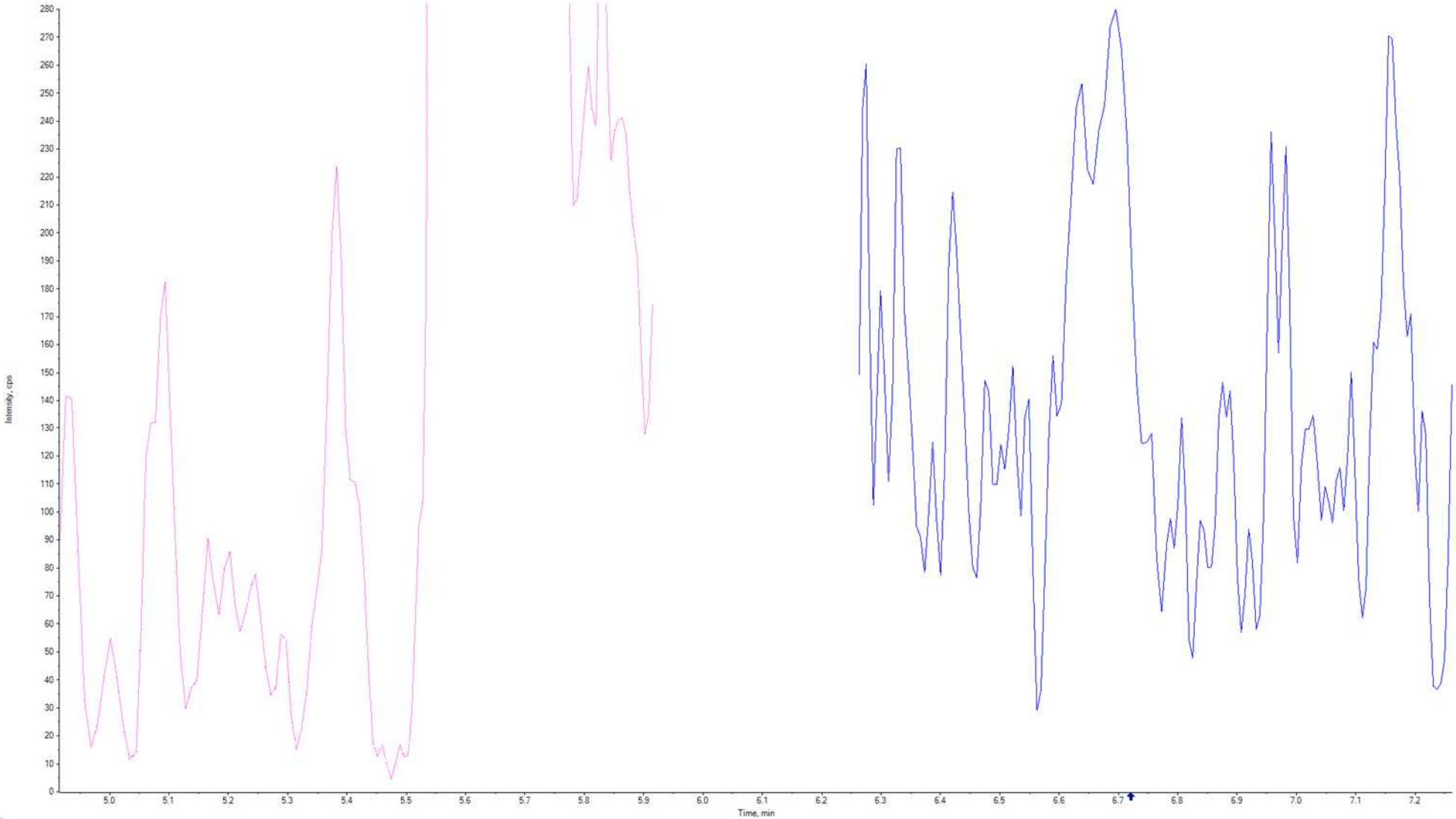
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

HFPO-DA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



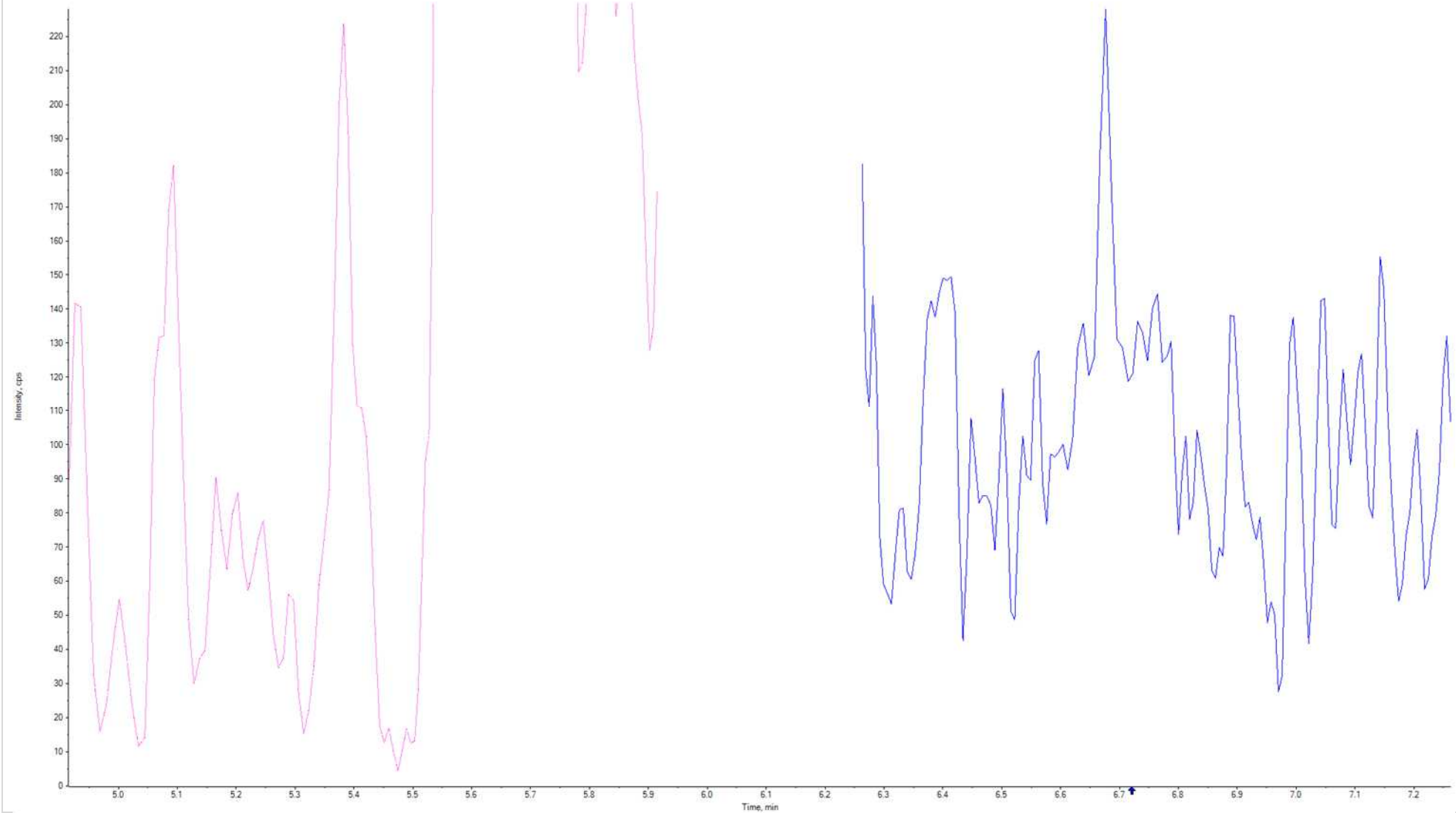
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



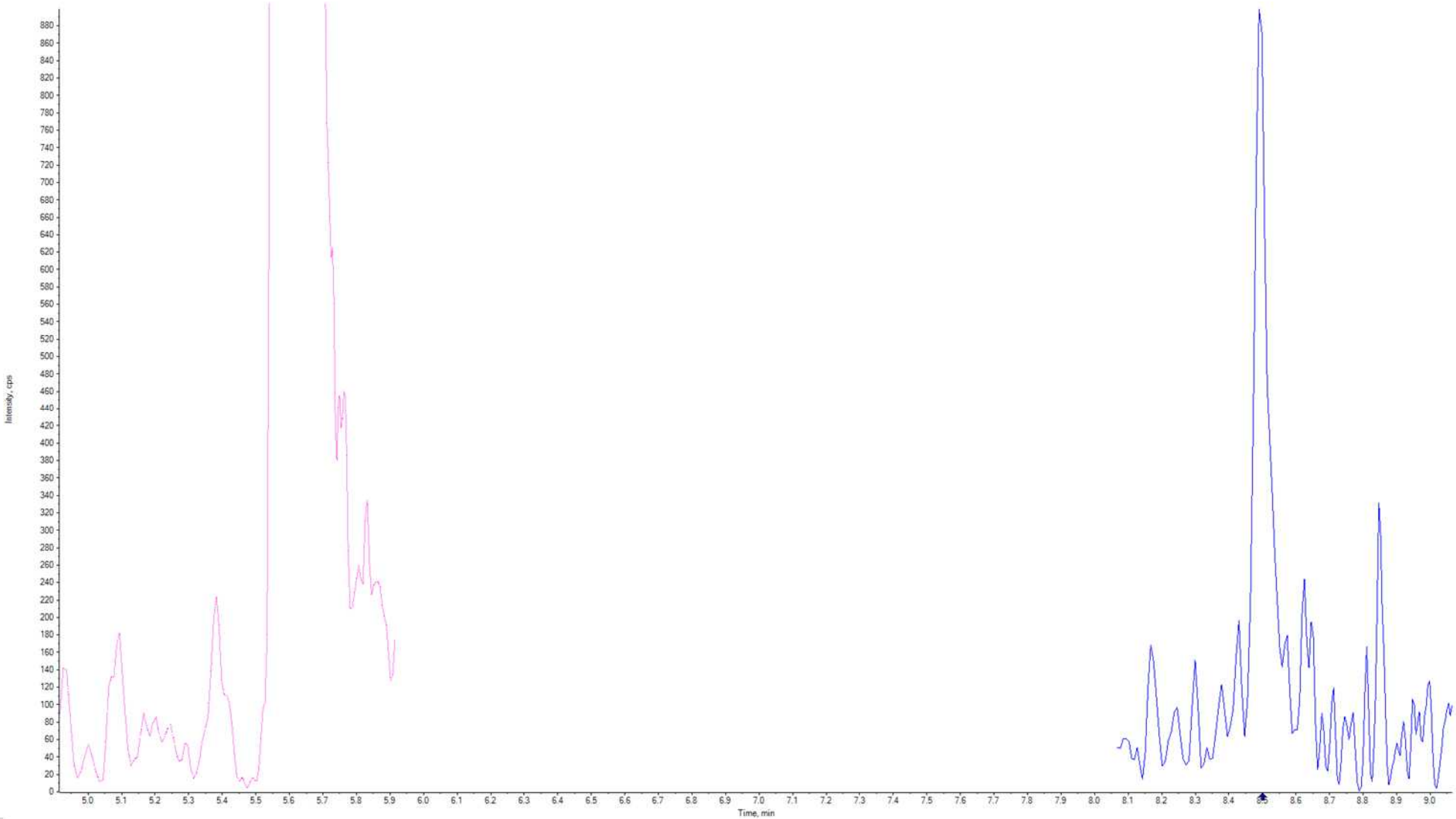
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



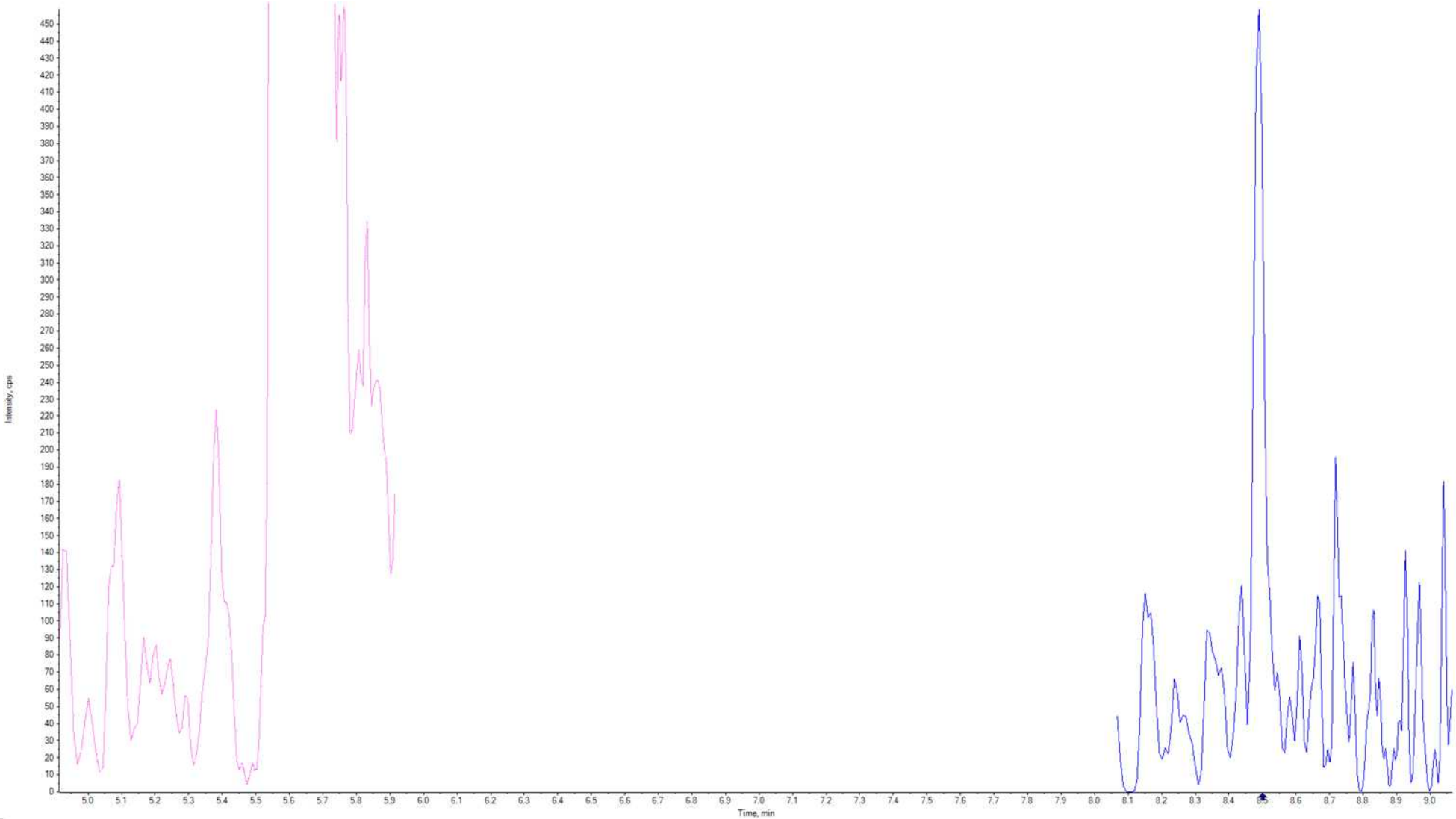
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

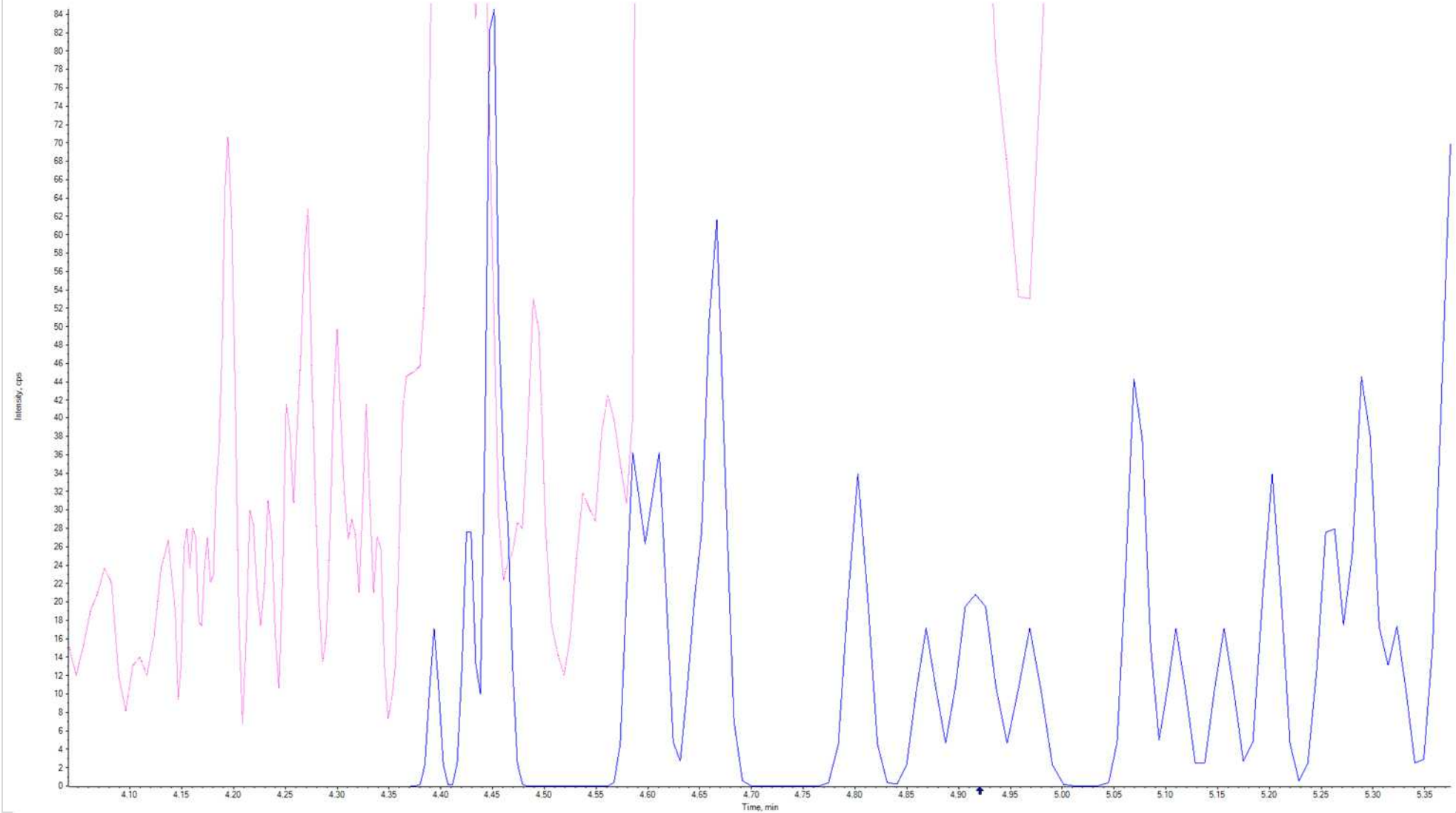
11Cl-PF3OUdS
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

11Cl-PF3OUdS_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA_2
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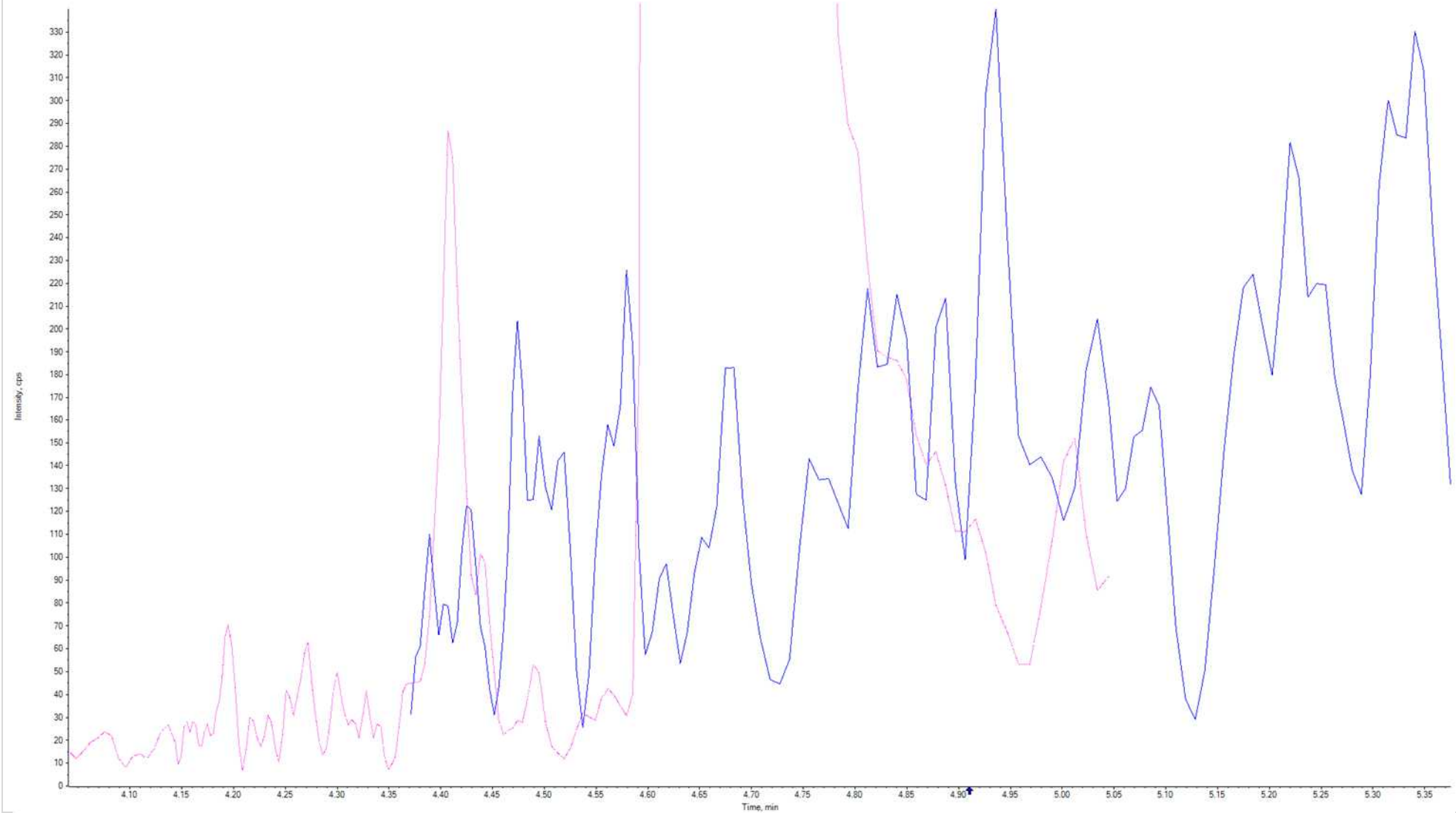
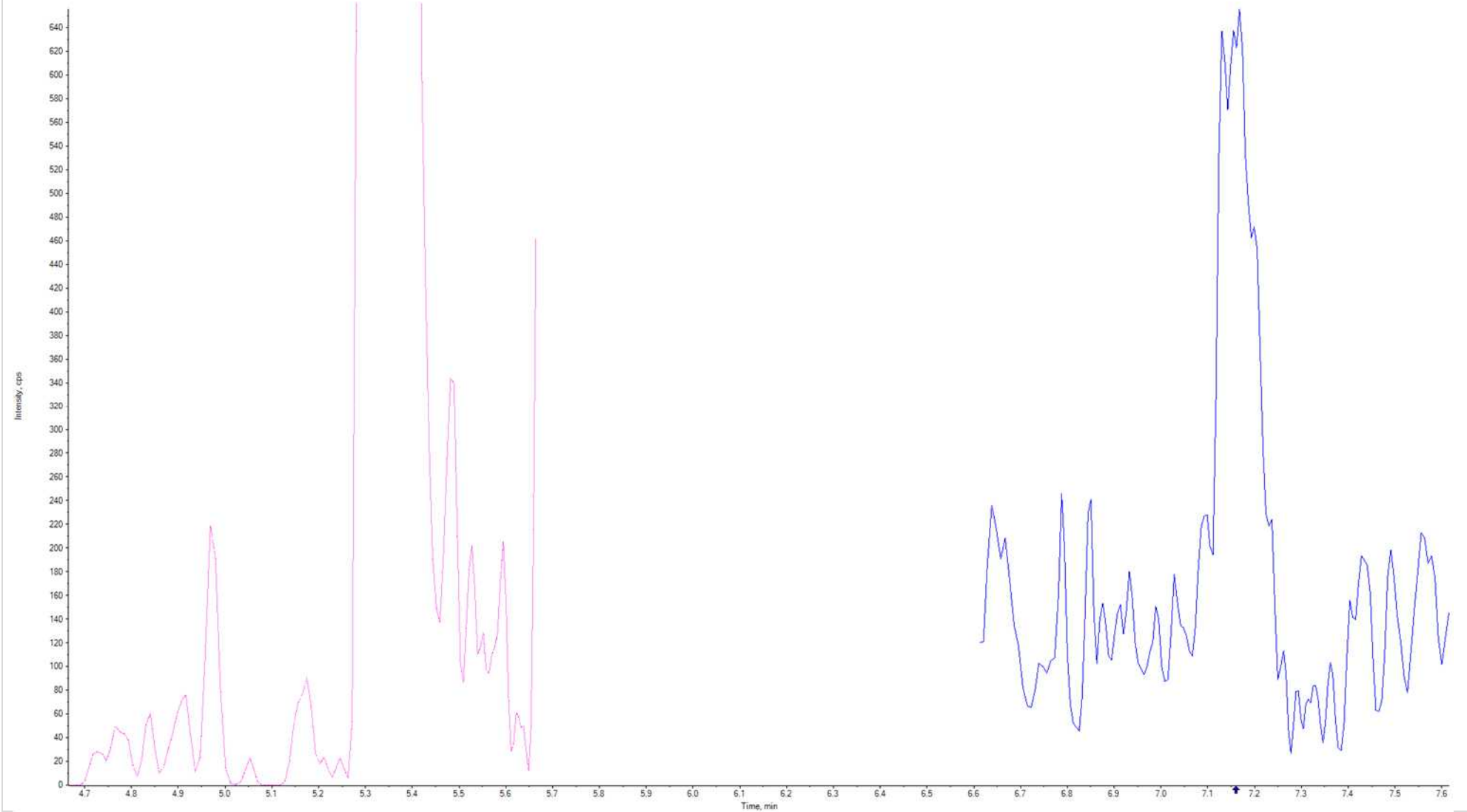


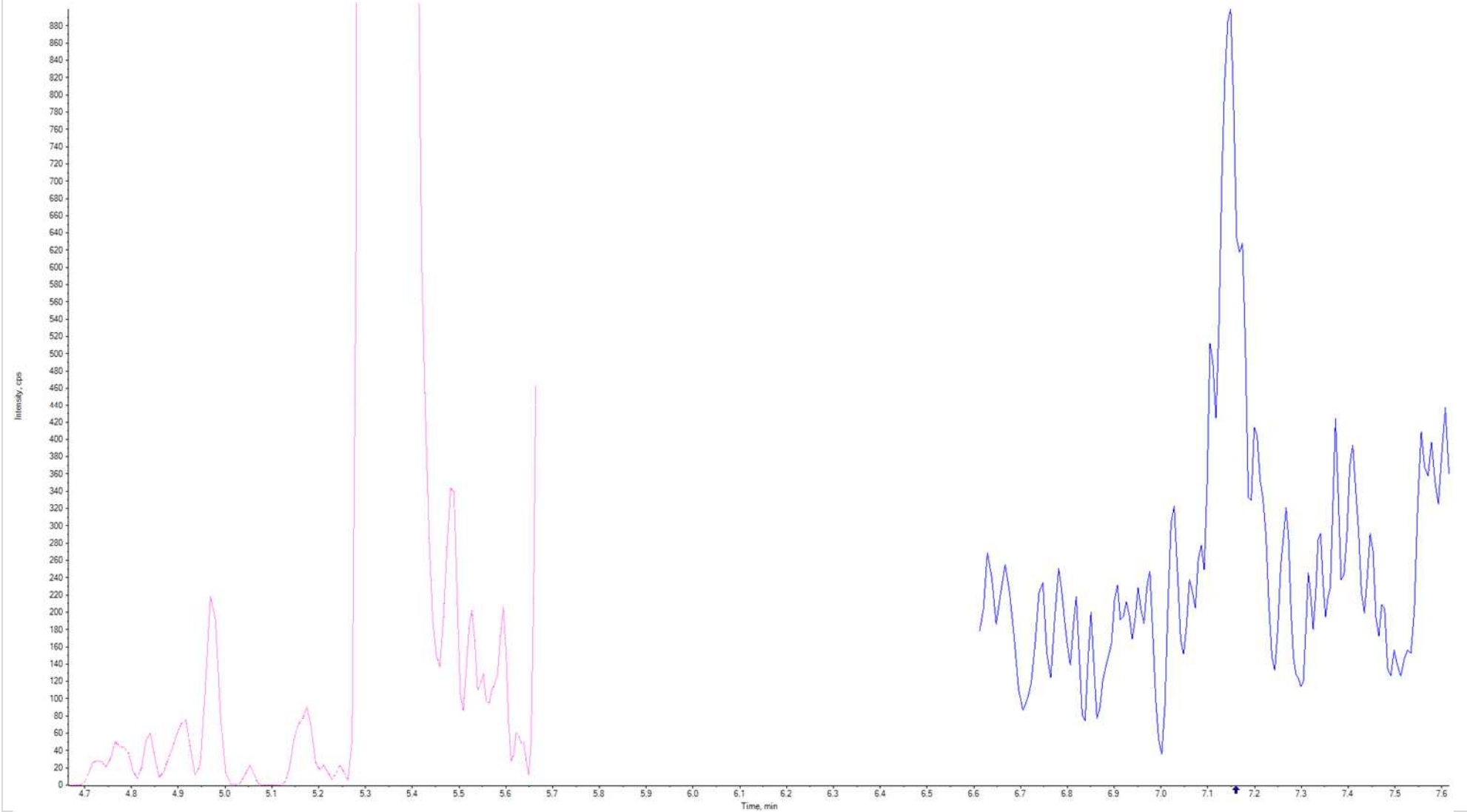
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



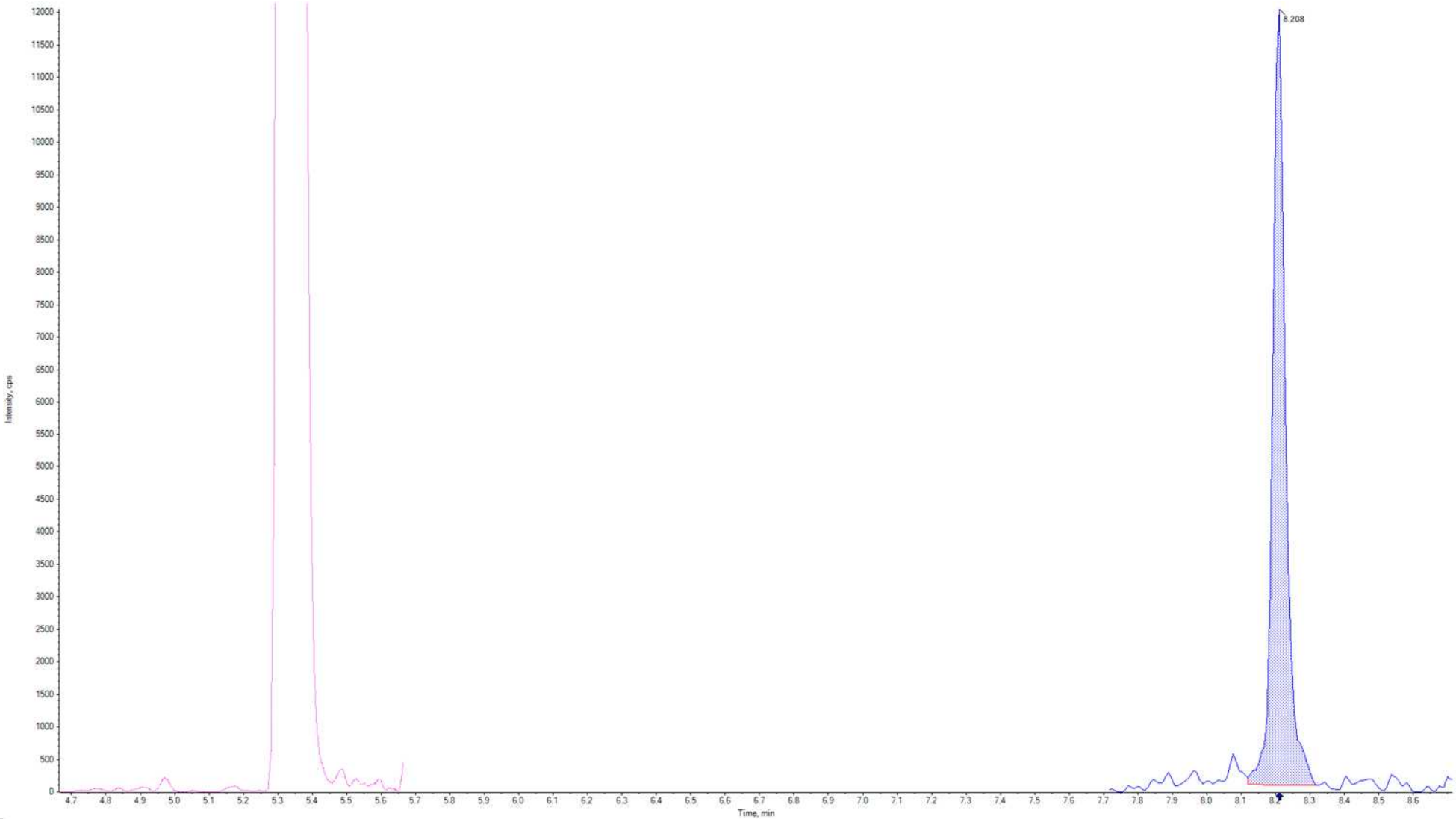
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA
Sample: WG1958909-3,INSTBLANK S/N:3626.9 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA_2
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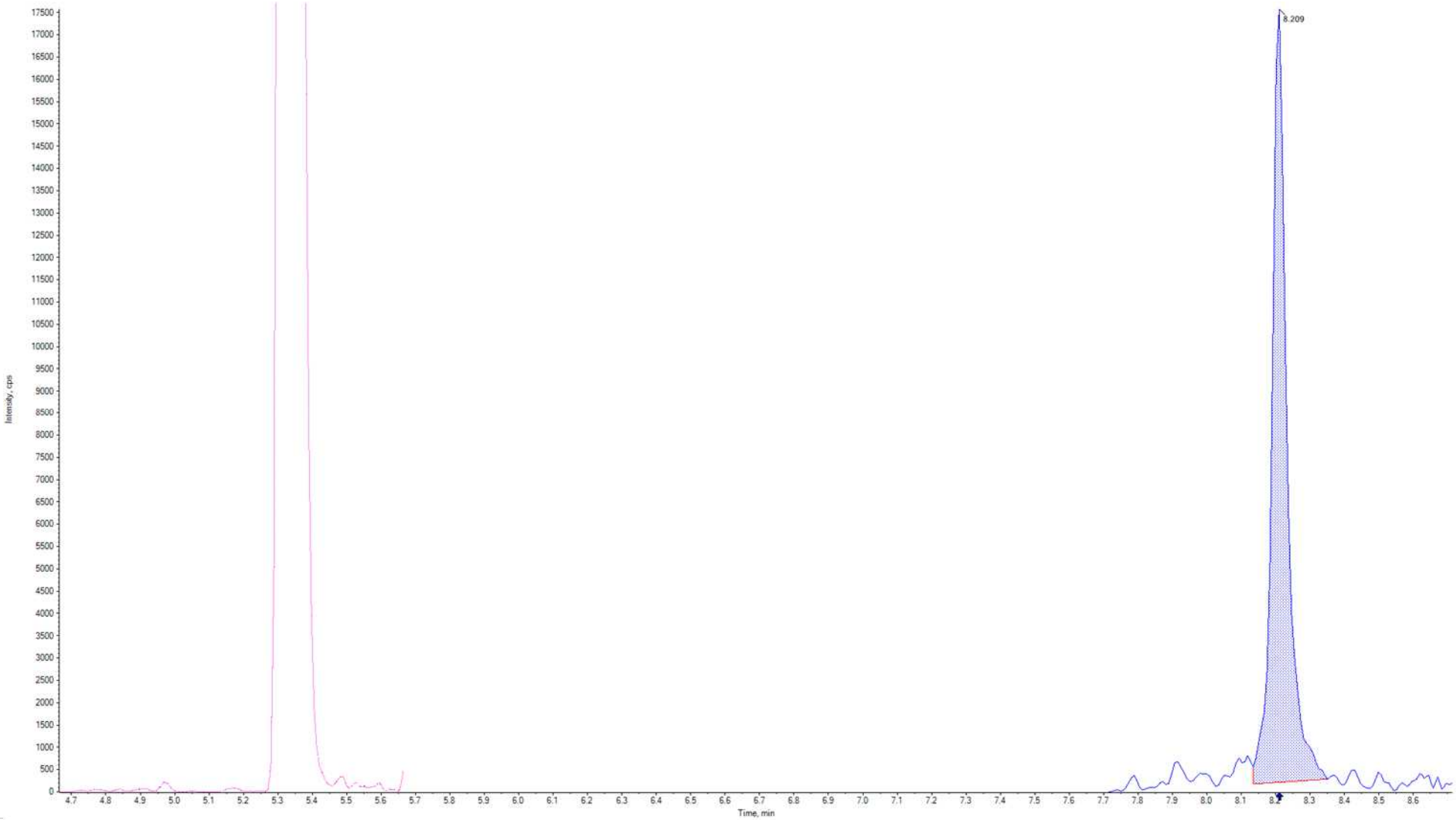

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA
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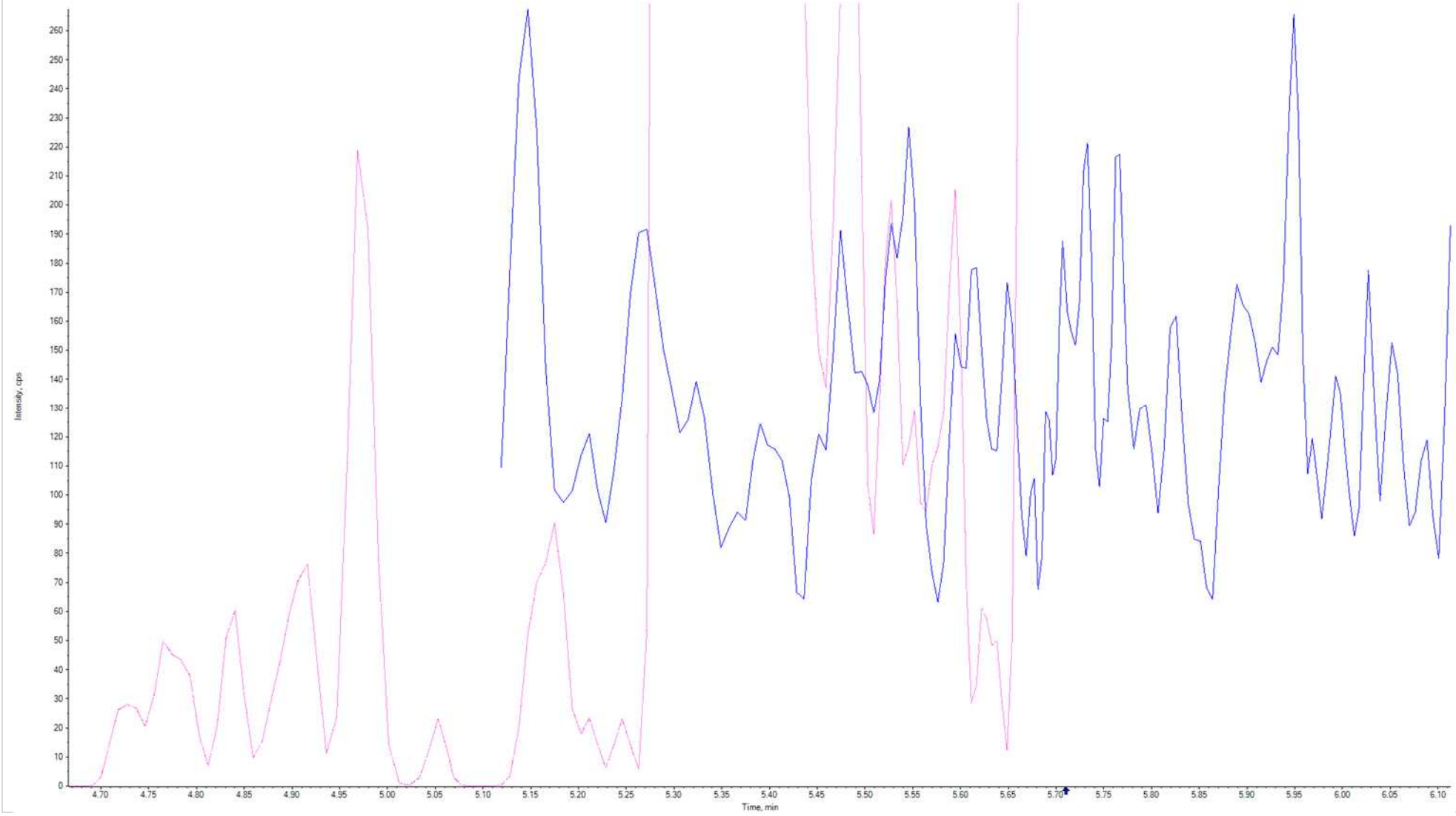
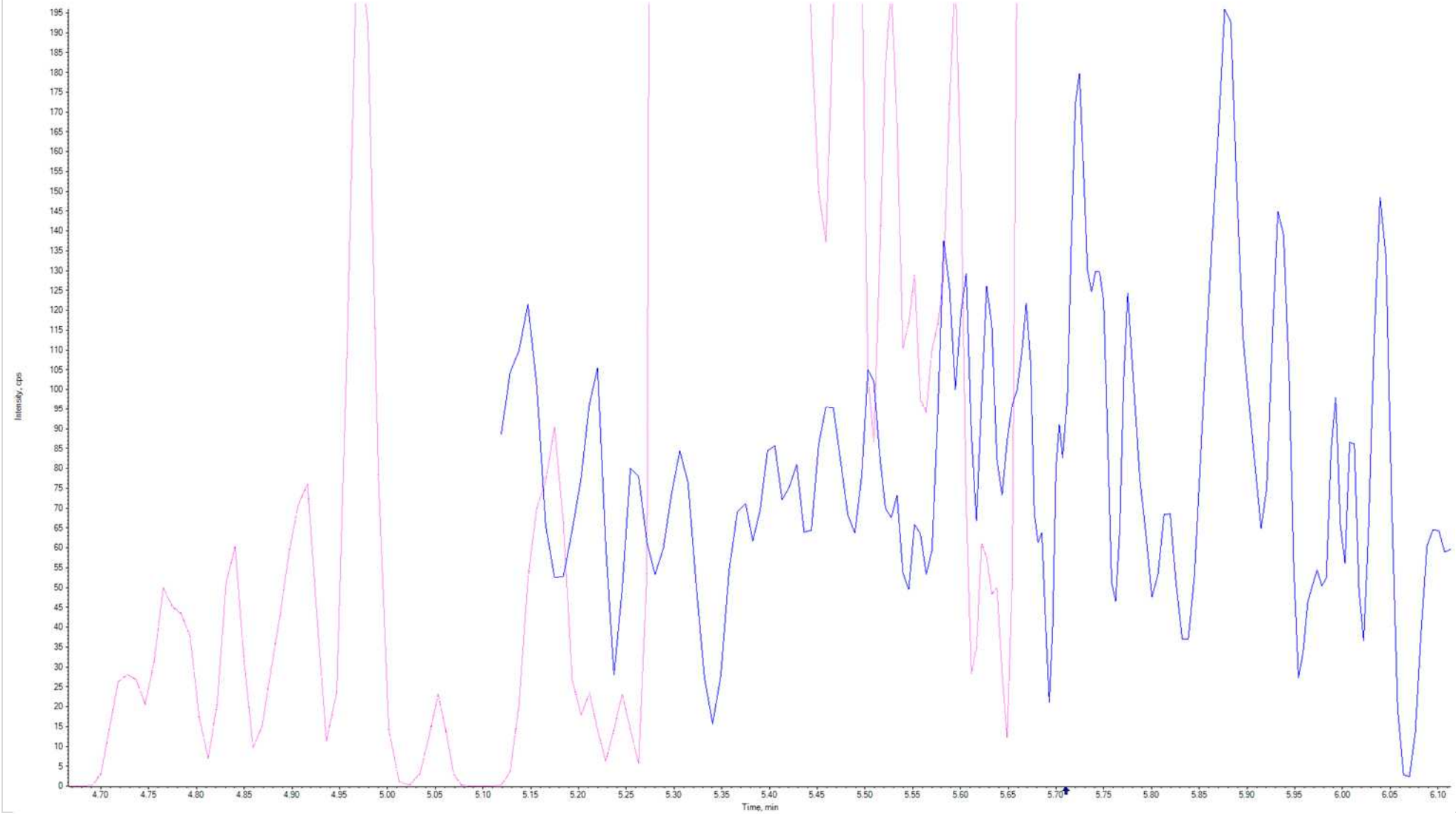


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMPA
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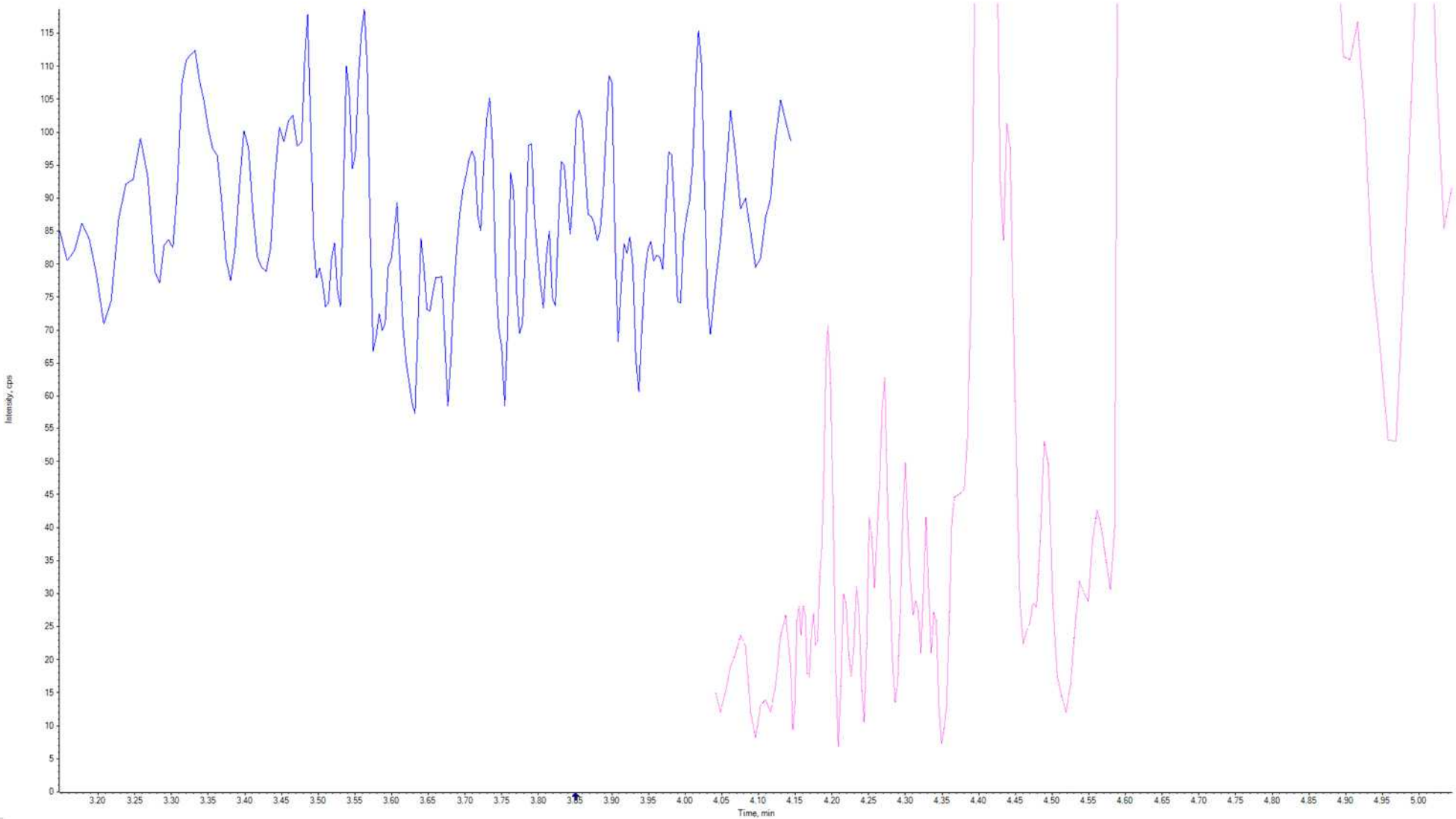

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMBA
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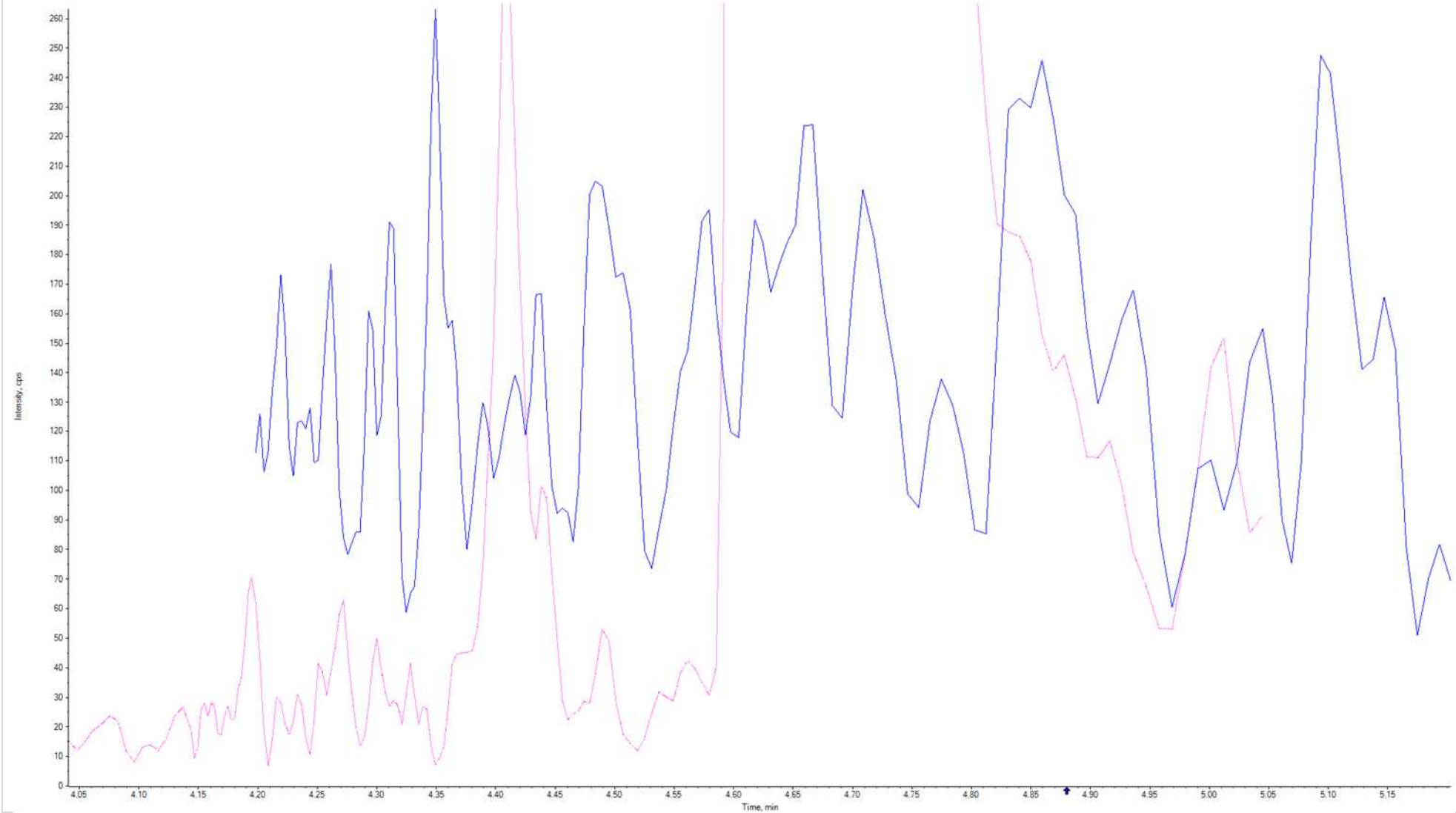
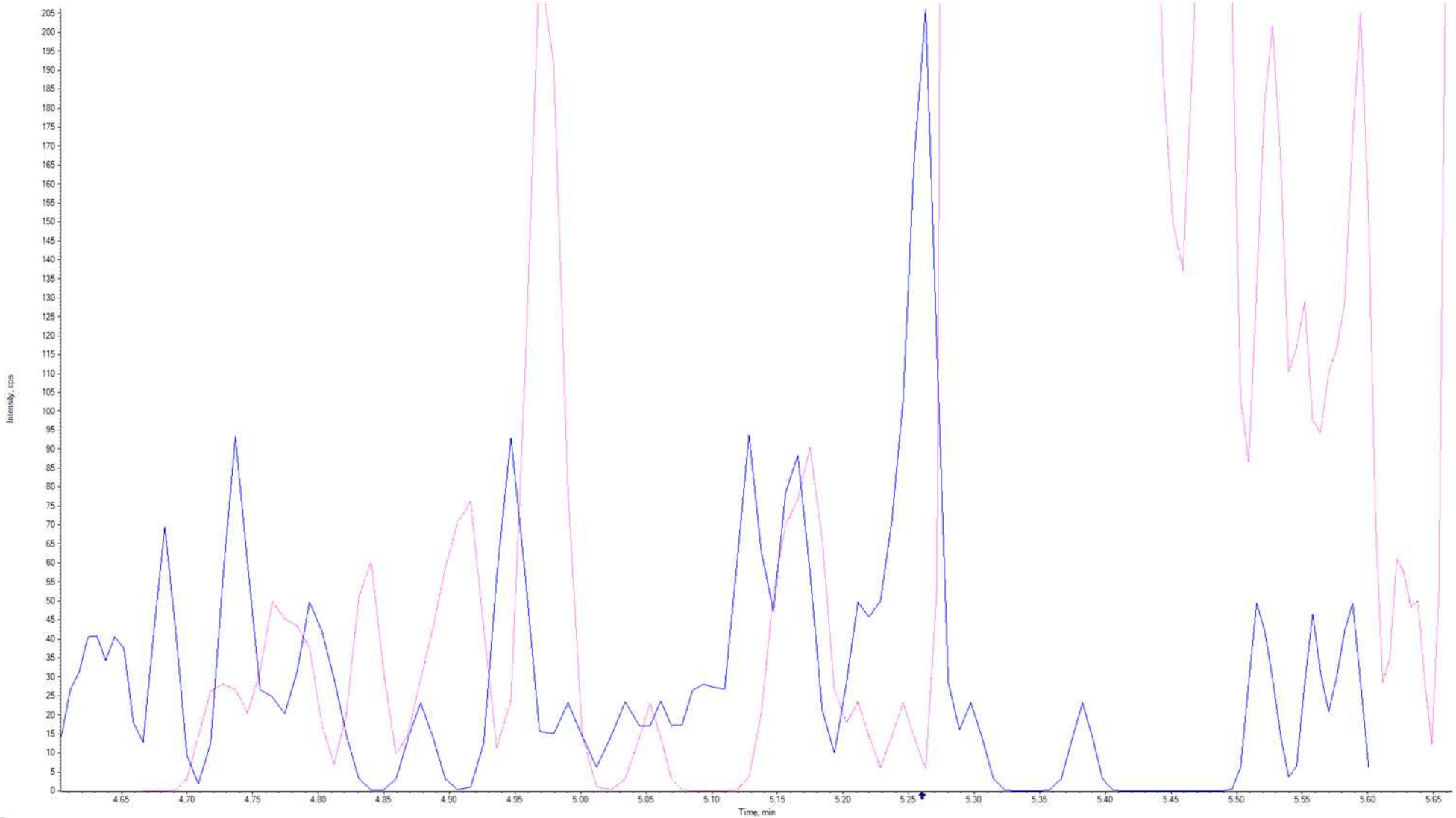


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA_2
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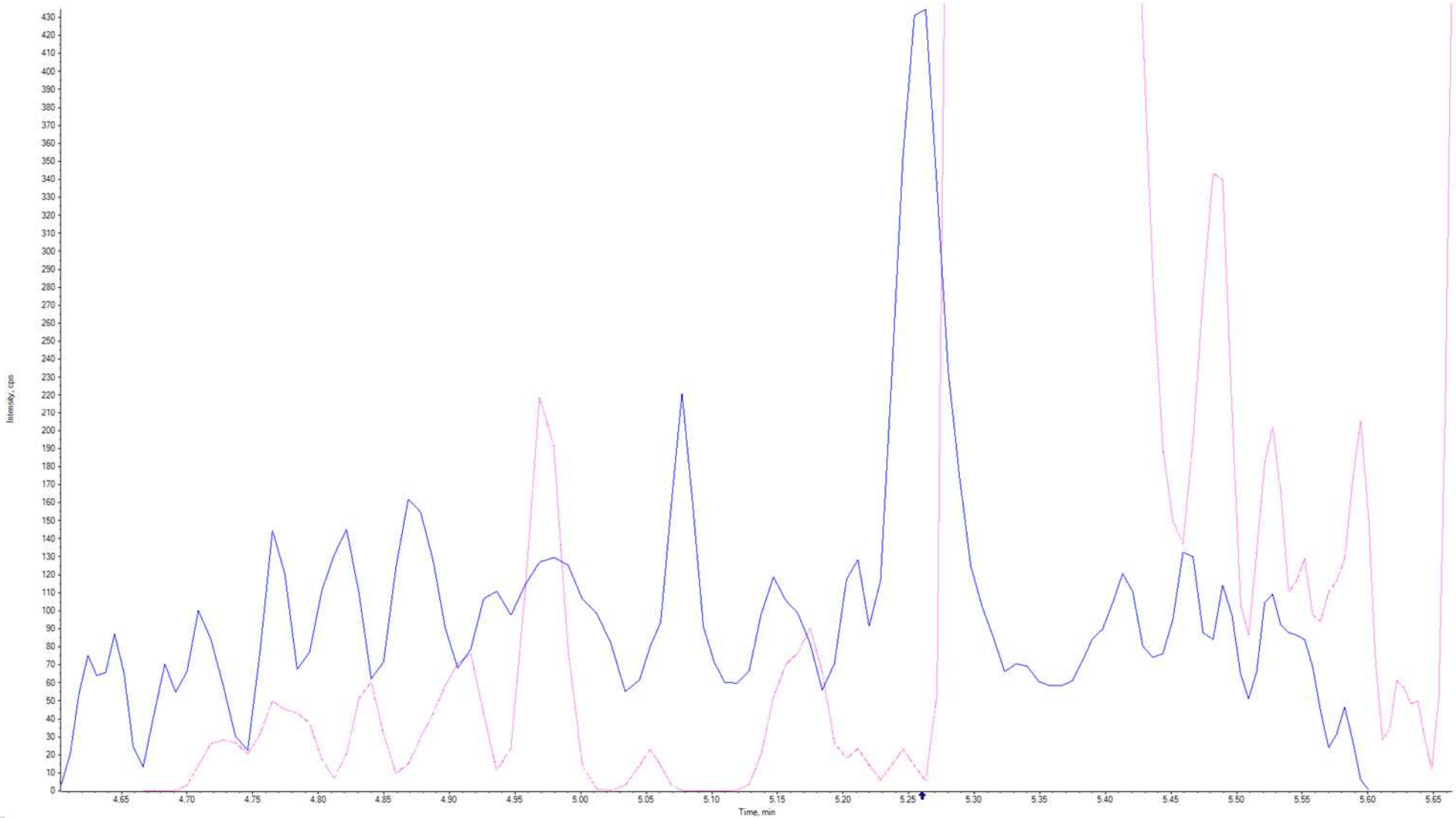

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA
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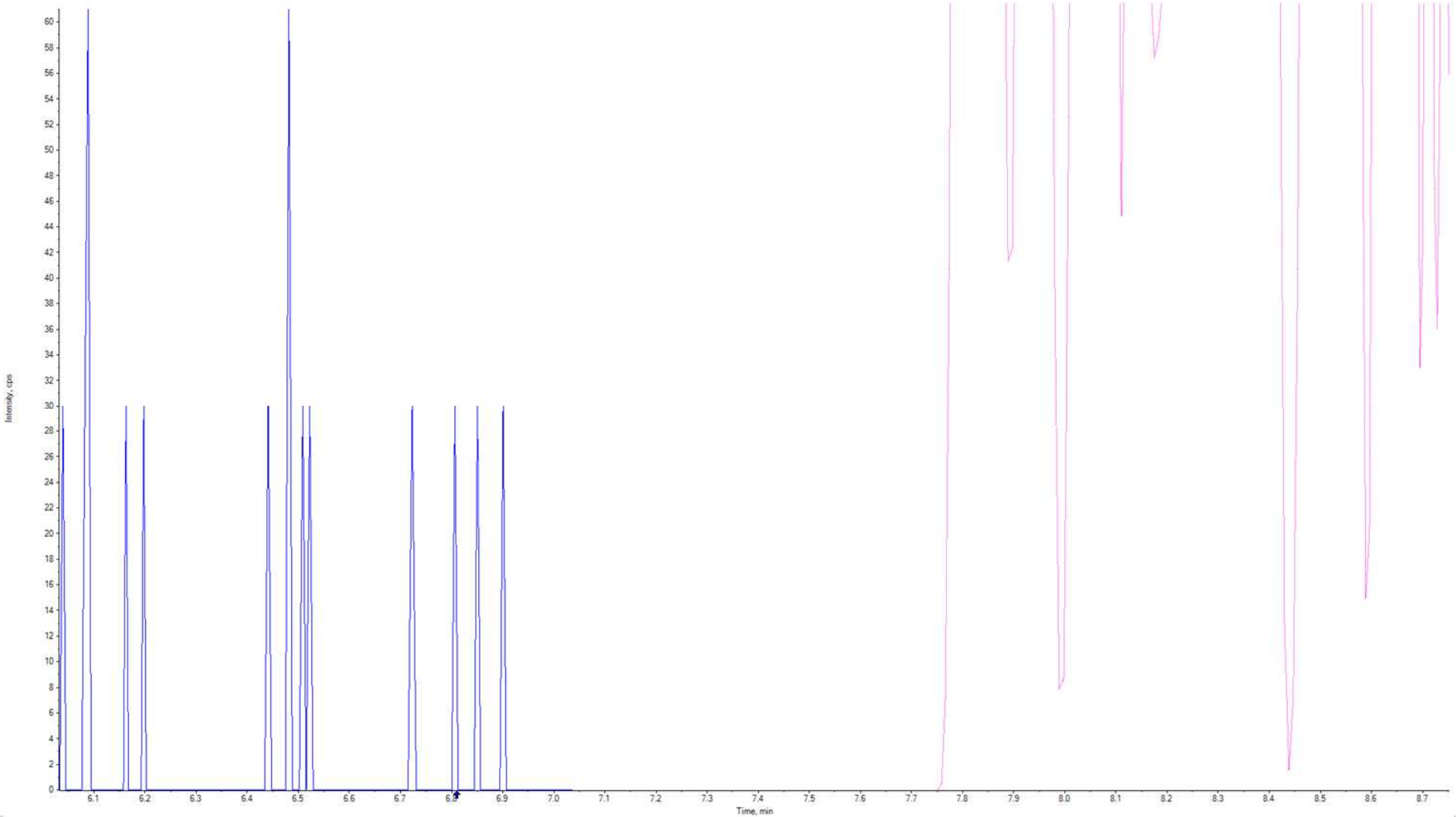
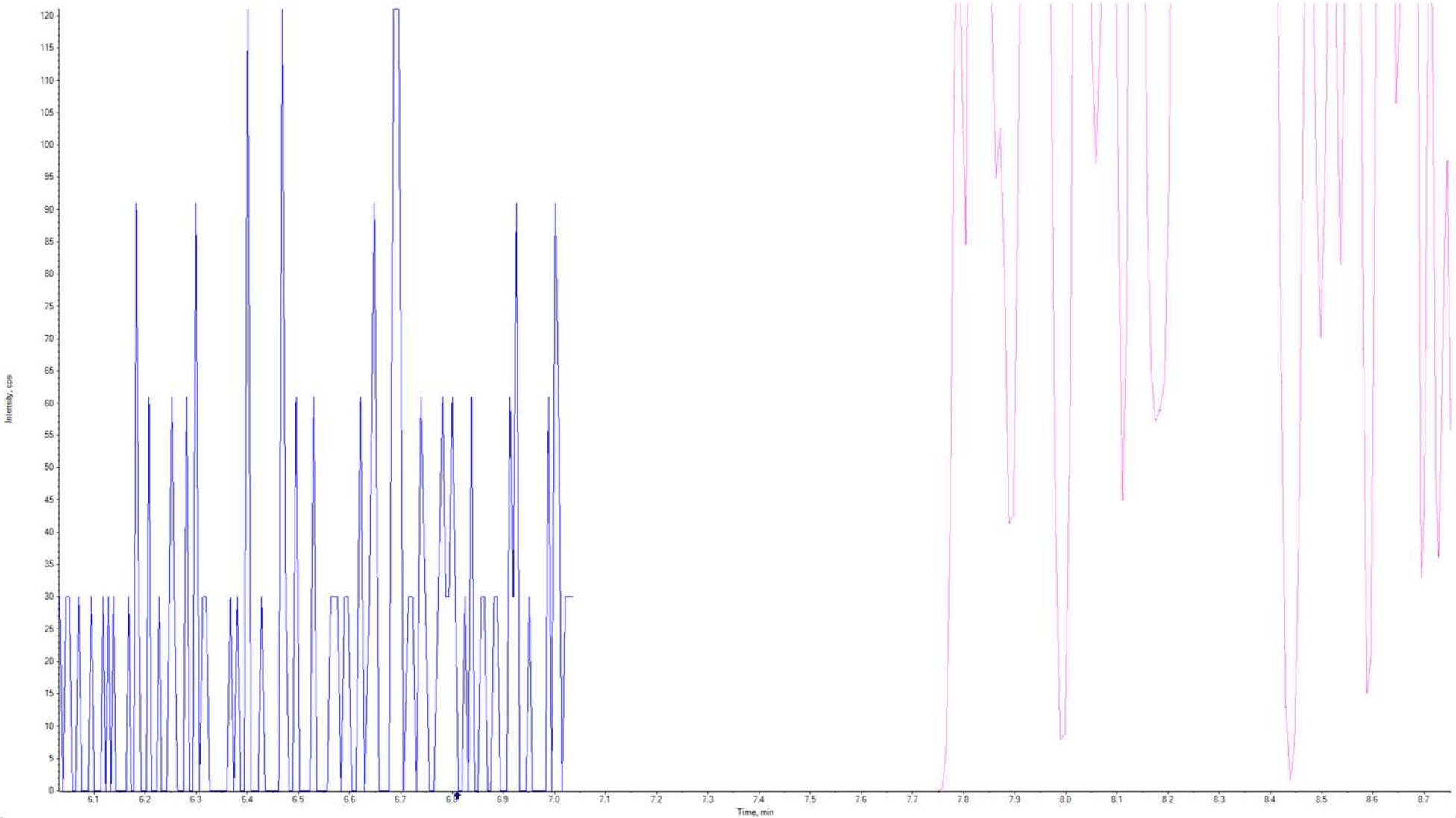


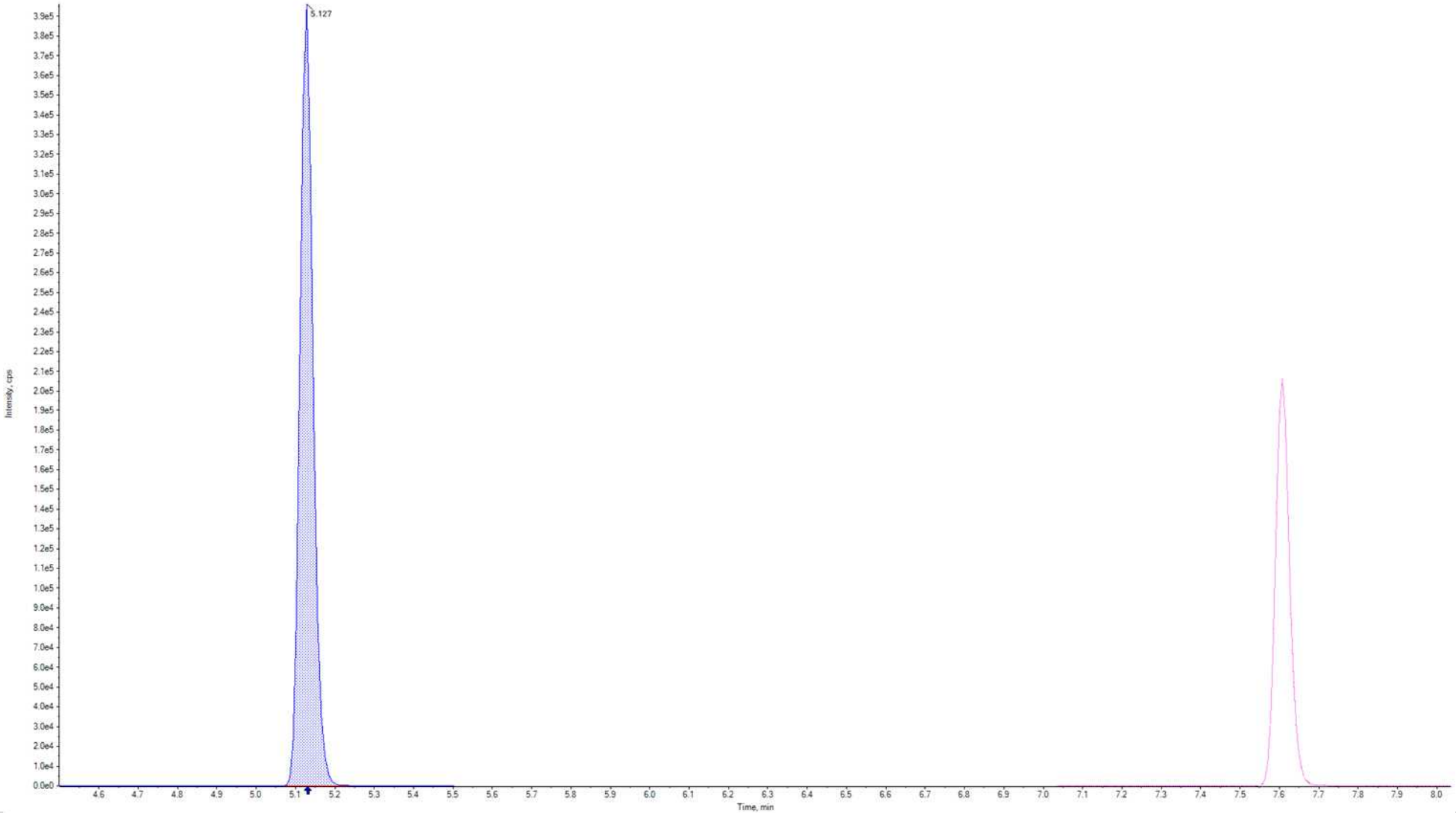
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA_2
Sample: WG1958909-3,INSTBLANK S/N:N/A Points Across peak:N/A



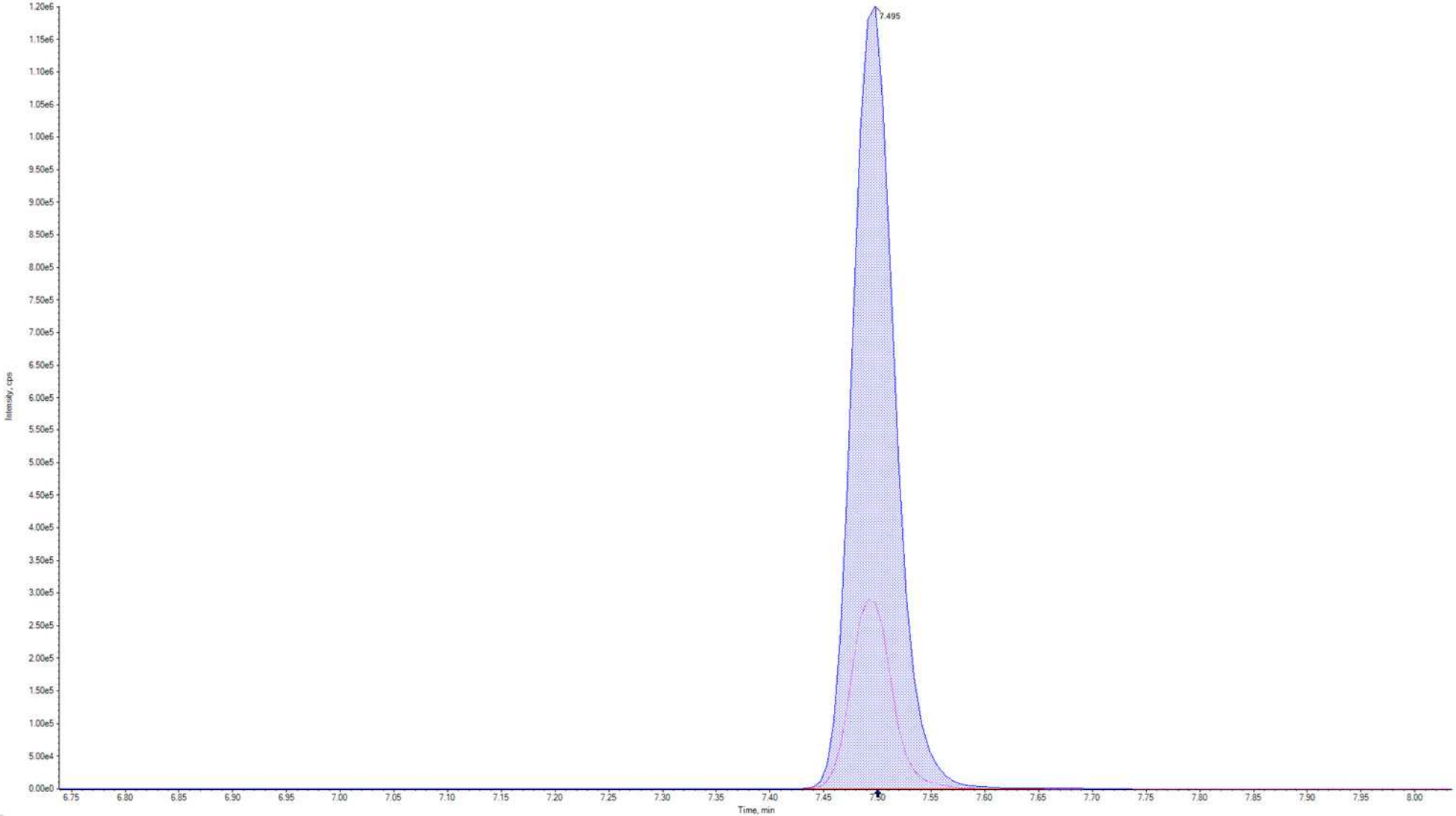
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2D4-4:2FTS
Sample: WG1958909-3,INSTBLANK S/N:1371.1 Points Across peak:23



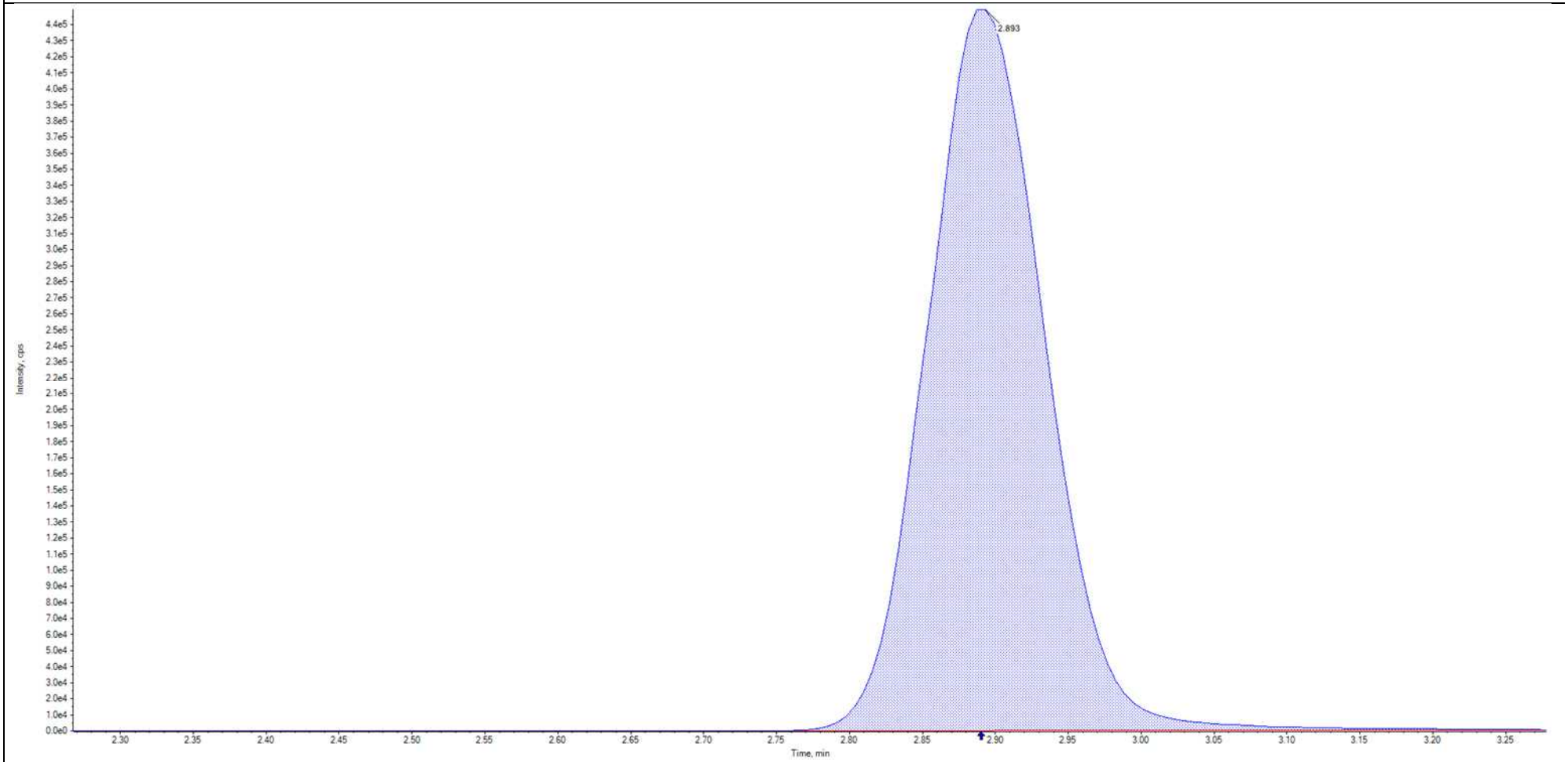
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFOA
Sample: WG1958909-3,INSTBLANK S/N:11189.5 Points Across peak:37



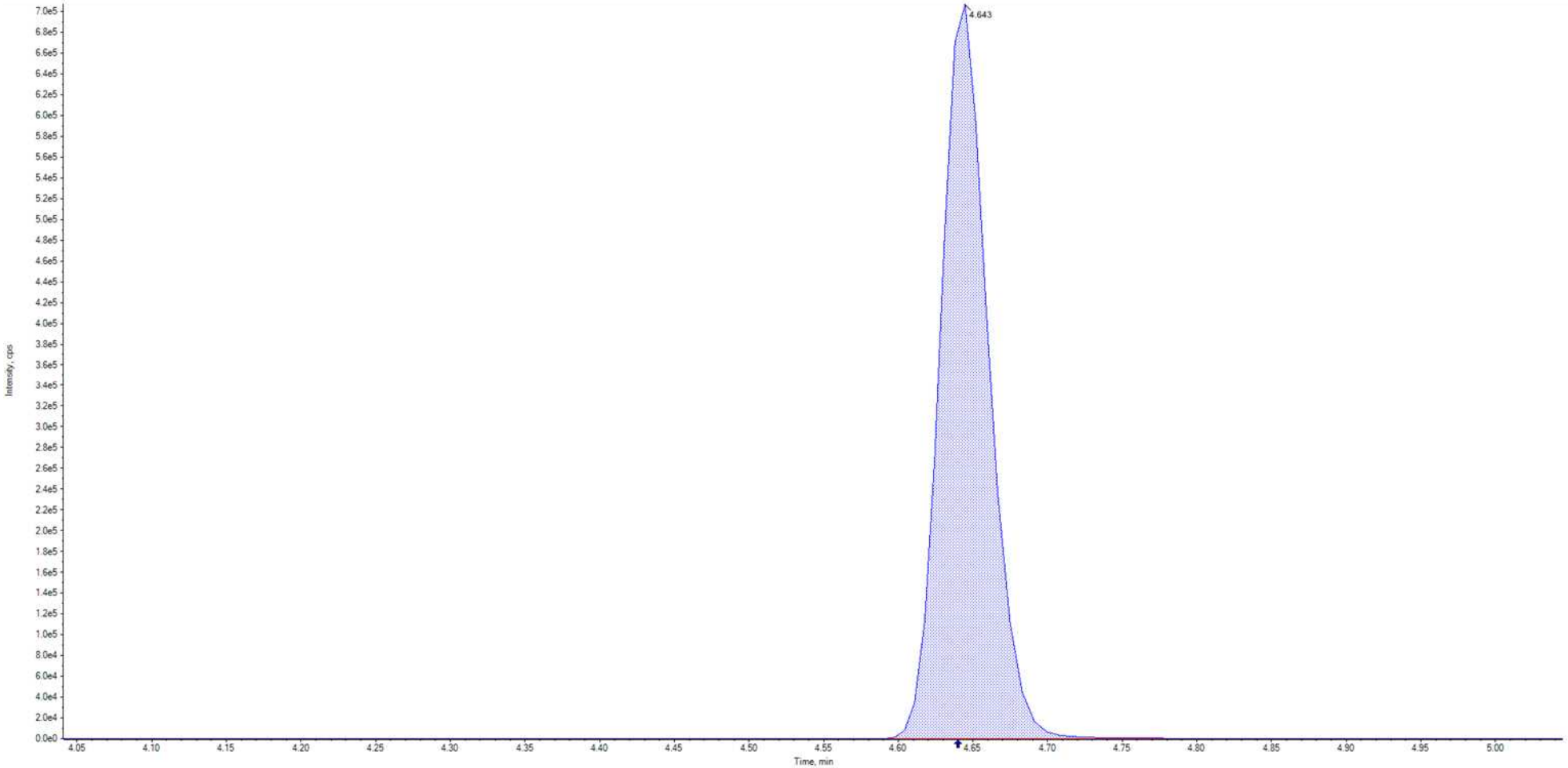
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFBA
Sample: WG1958909-3,INSTBLANK



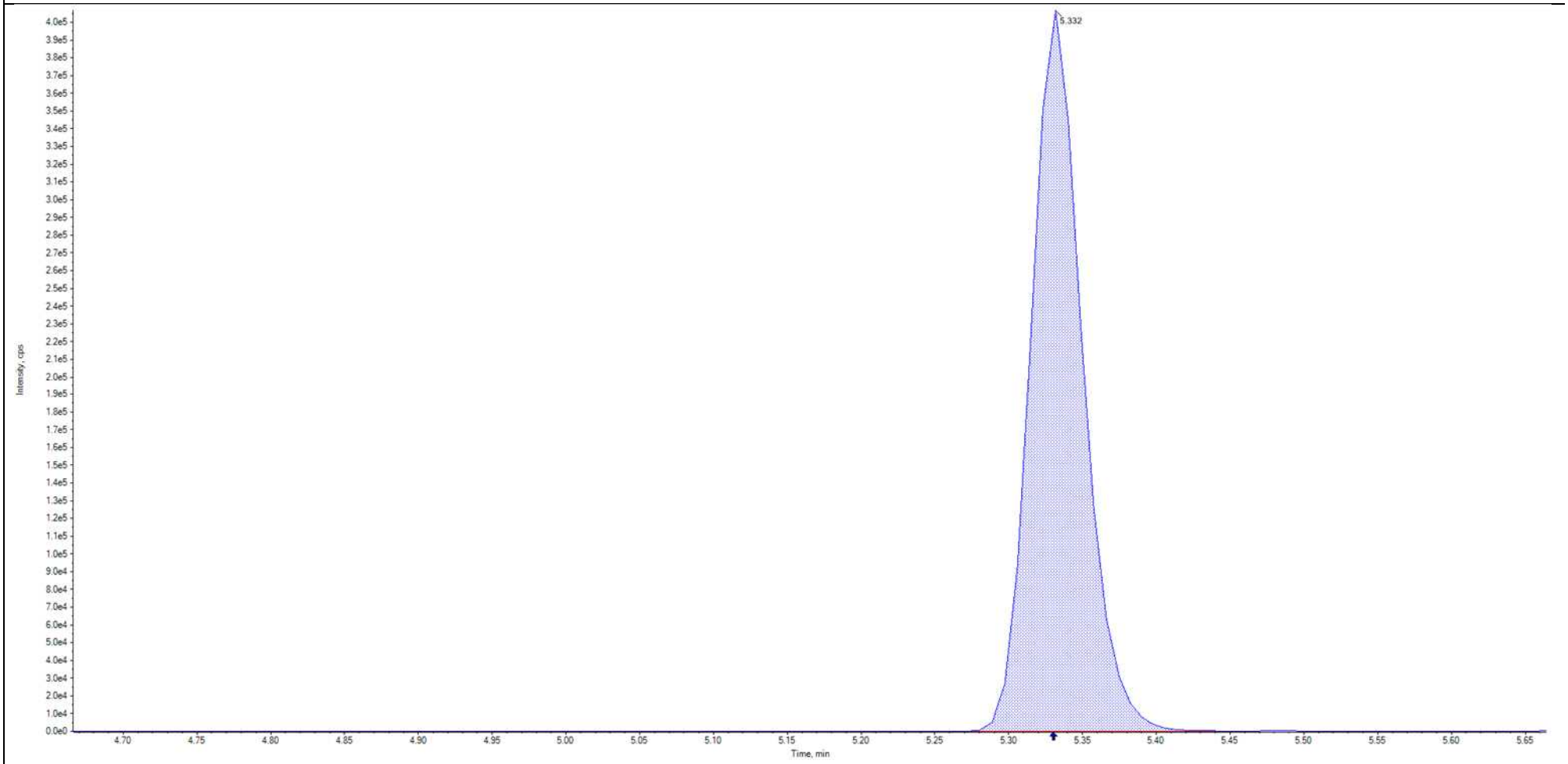
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C5-PFPeA
Sample: WG1958909-3,INSTBLANK

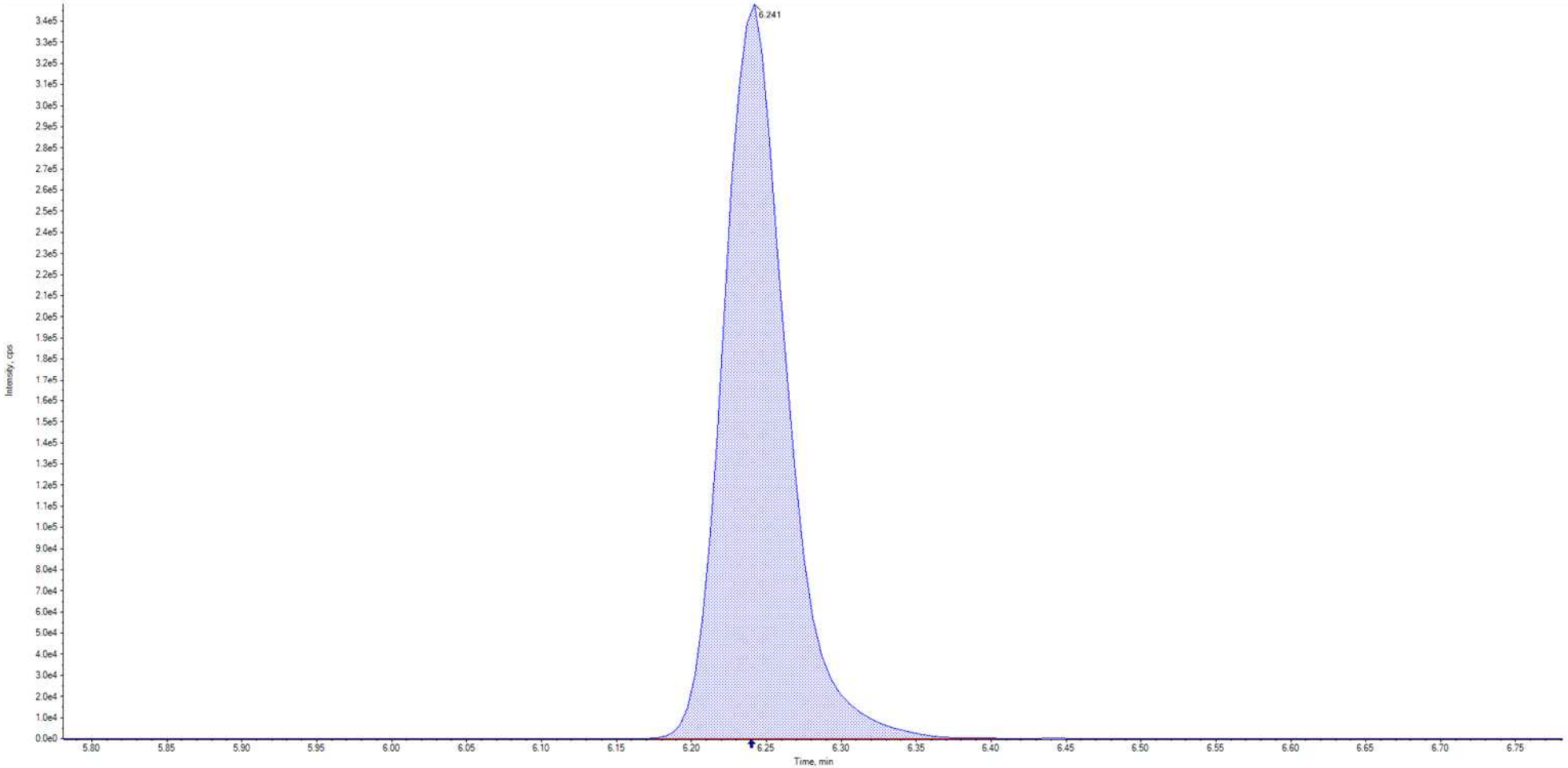


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

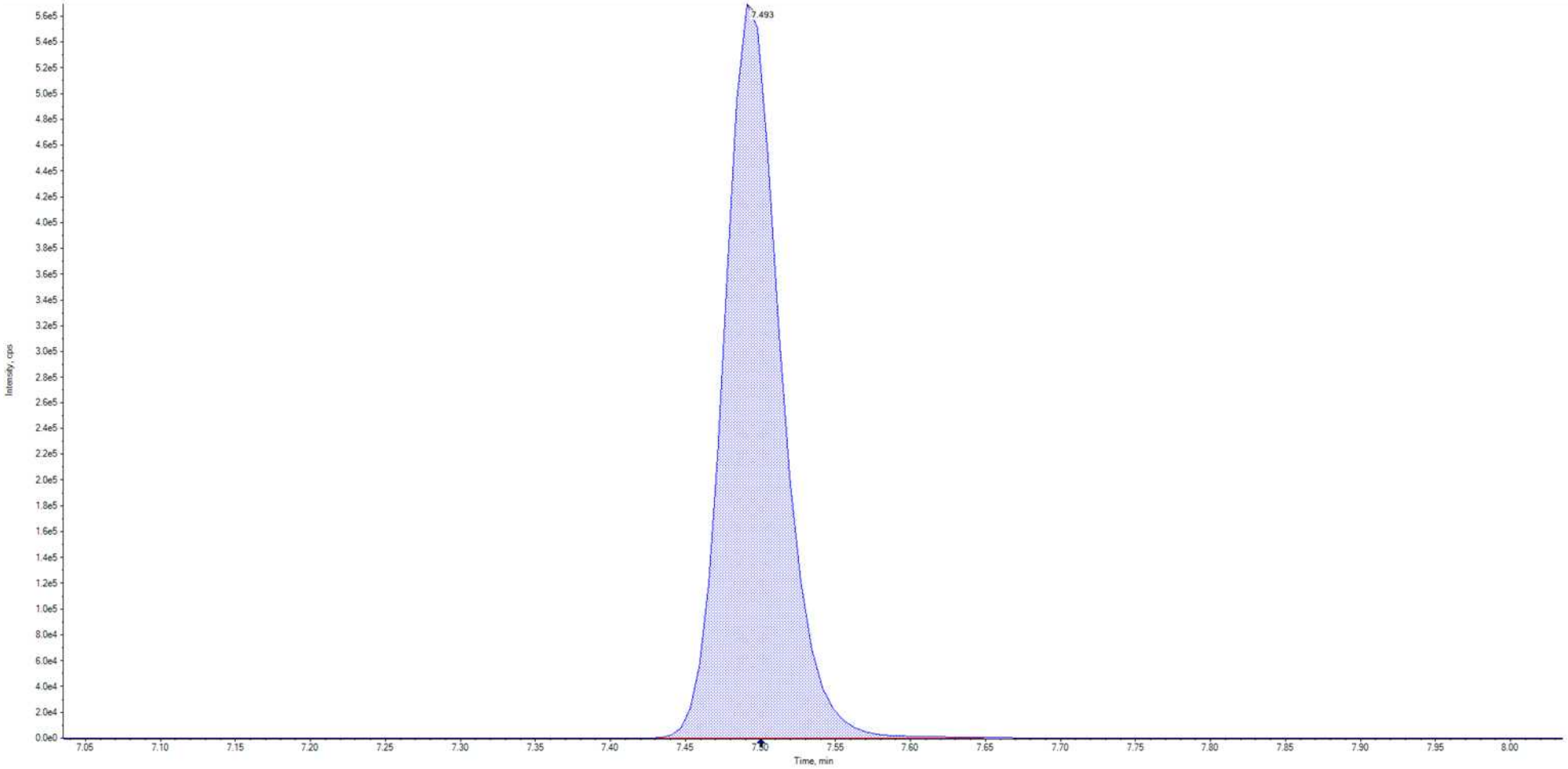
13C5-PFHxA
Sample: WG1958909-3,INSTBLANK



13C4-PFHpA
Sample: WG1958909-3,INSTBLANK

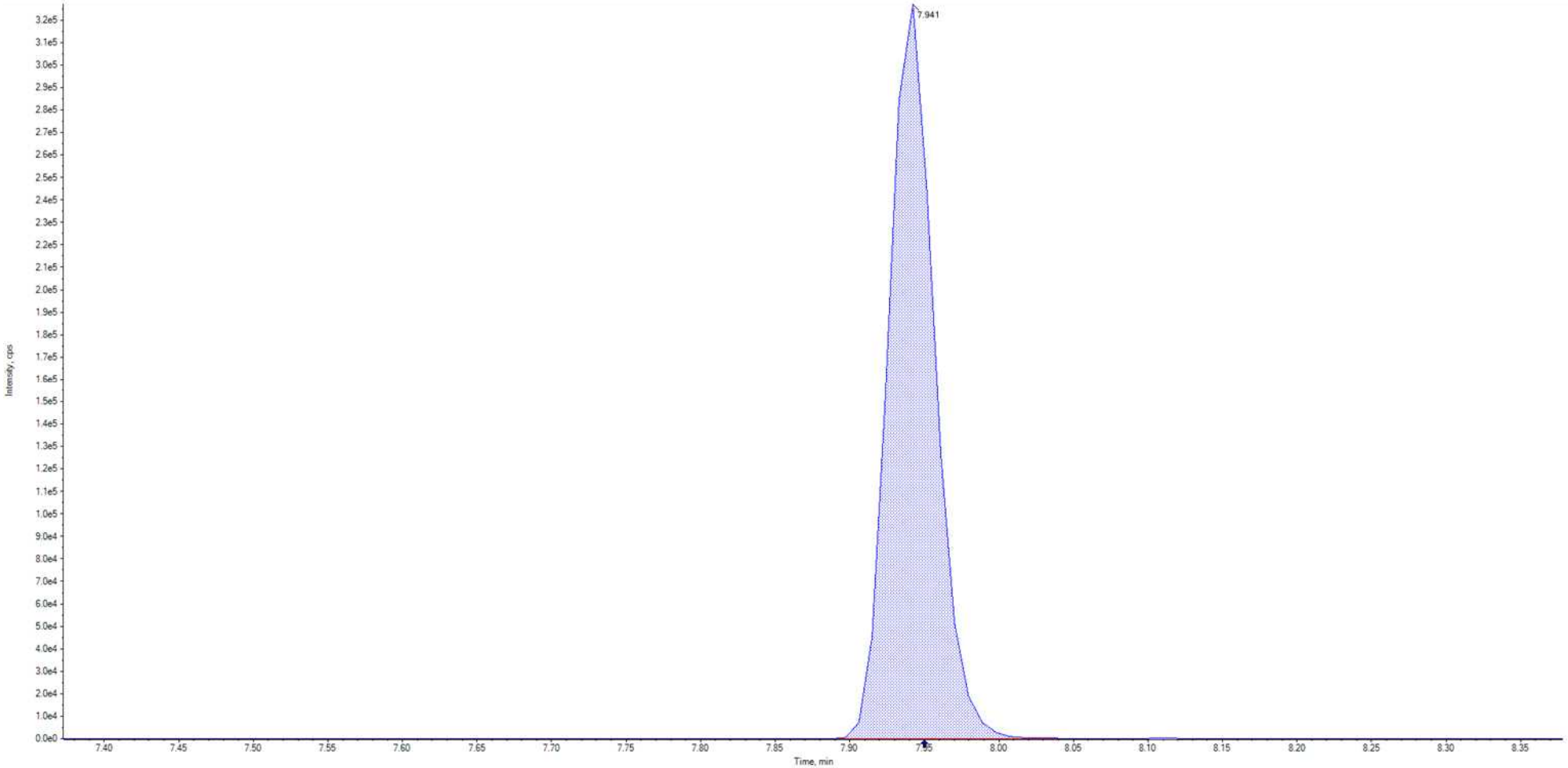


13C8-PFOA
Sample: WG1958909-3,INSTBLANK

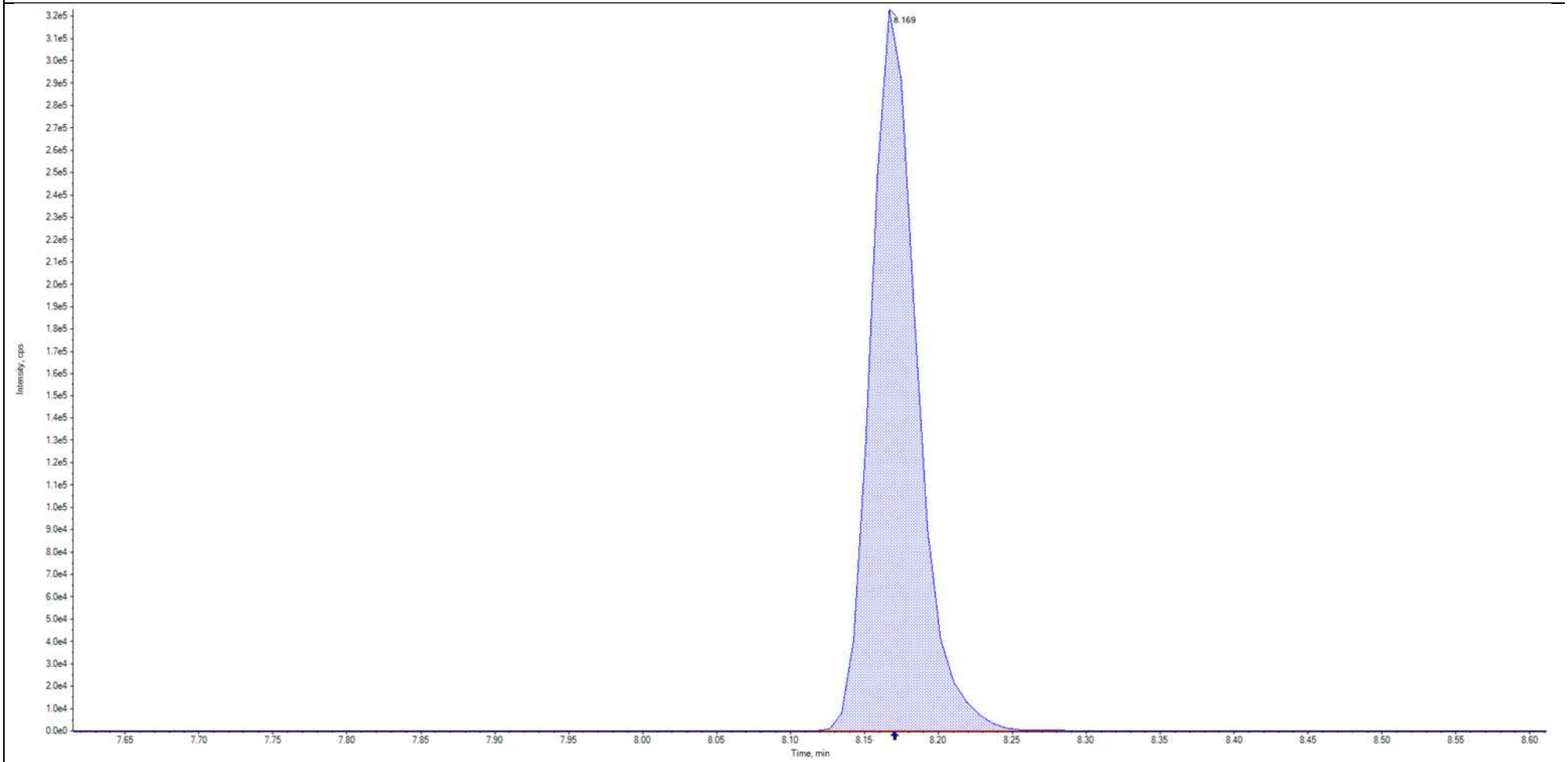


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C9-PFNA
Sample: WG1958909-3,INSTBLANK

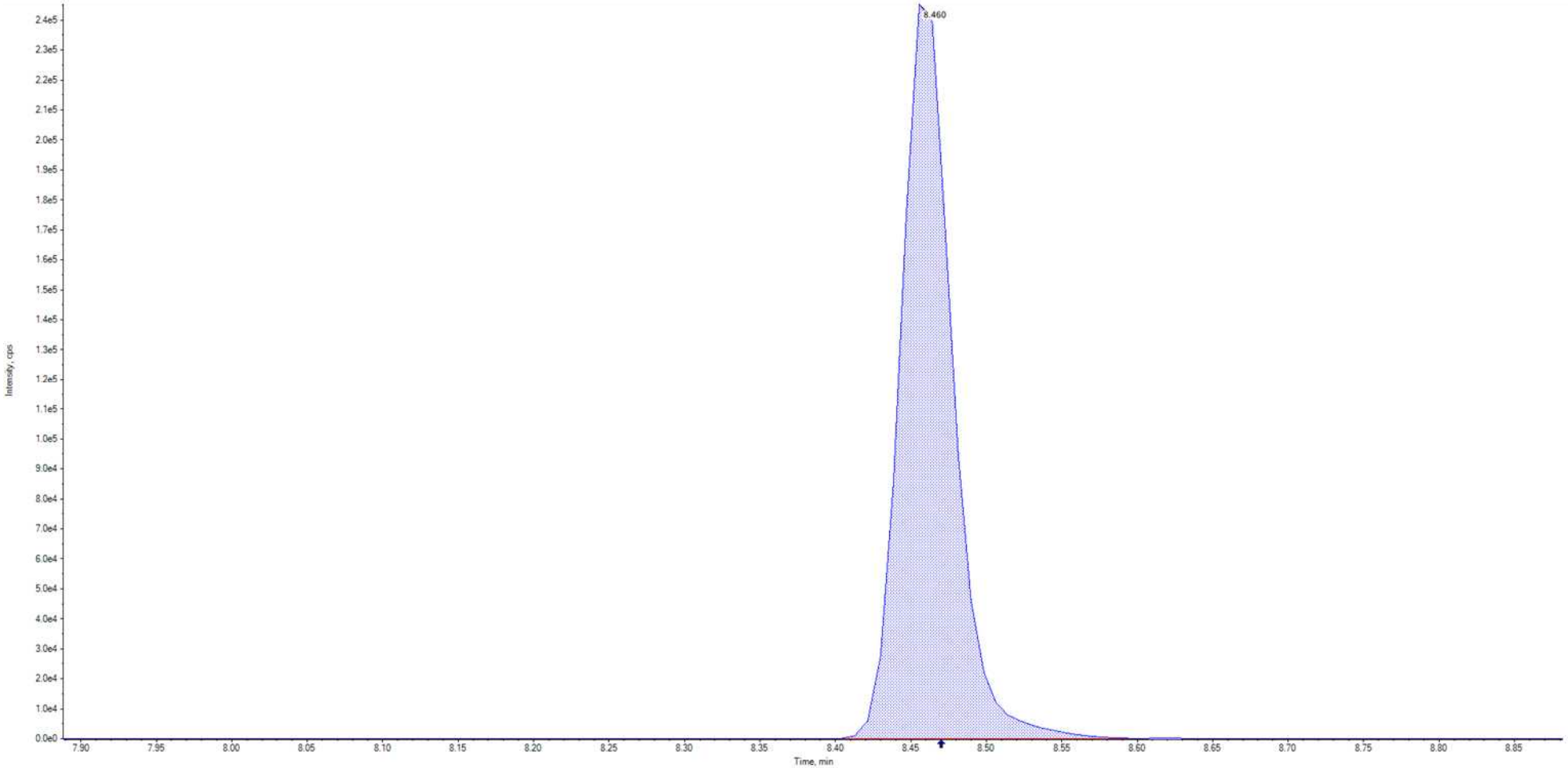


13C6-PFDA
Sample: WG1958909-3,INSTBLANK



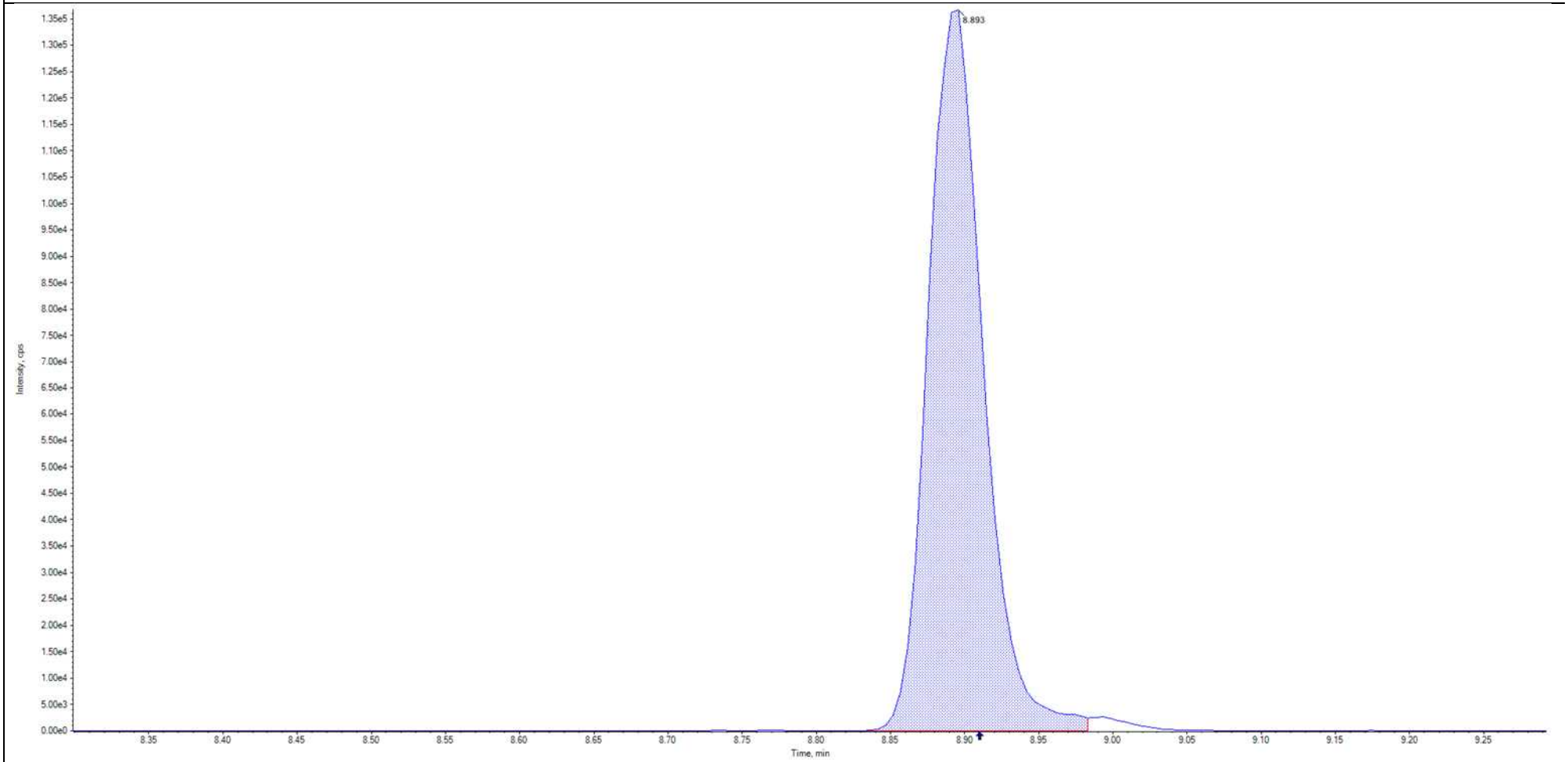
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C7-PFUnA
Sample: WG1958909-3,INSTBLANK

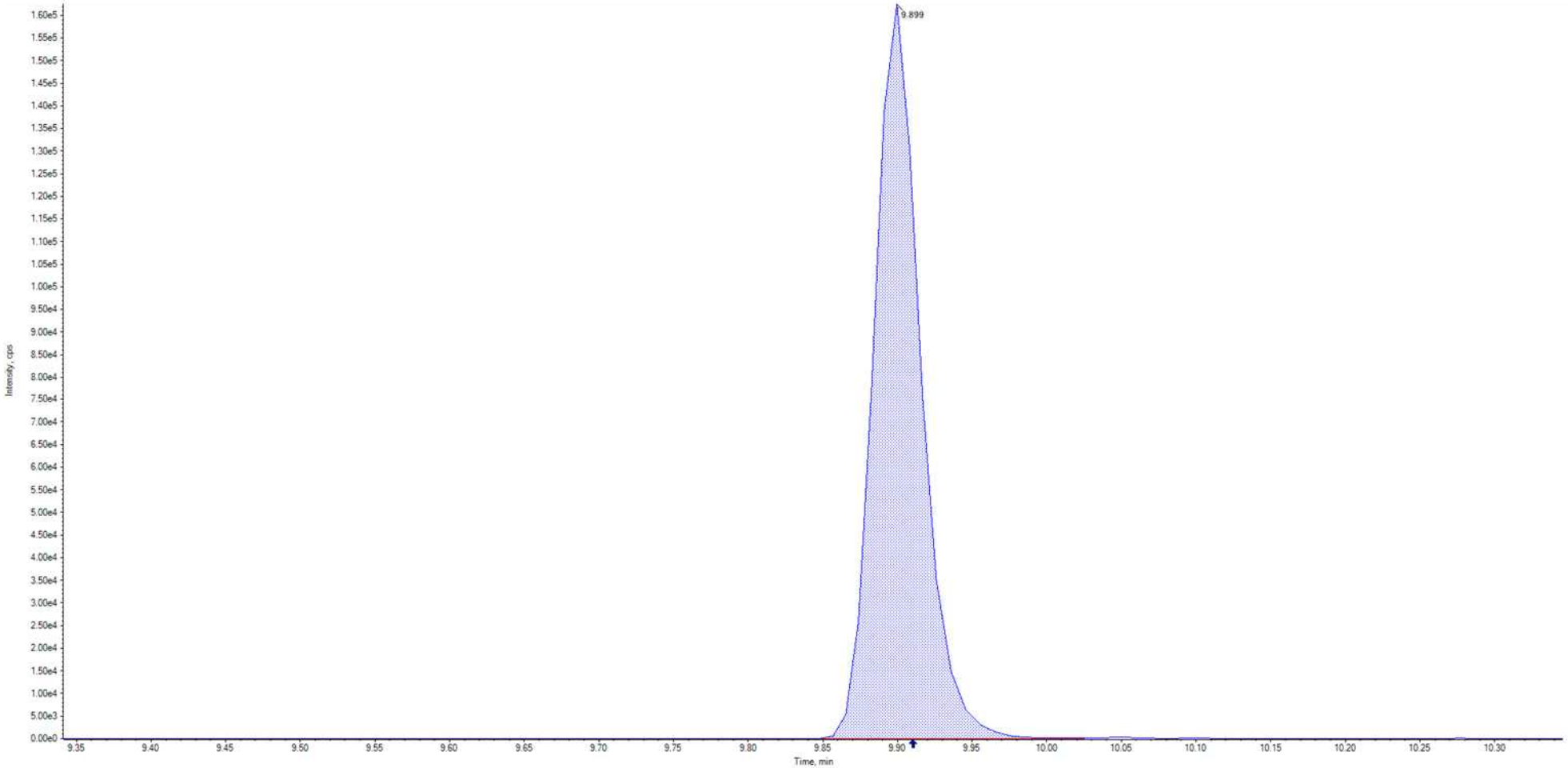


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFDoA
Sample: WG1958909-3,INSTBLANK

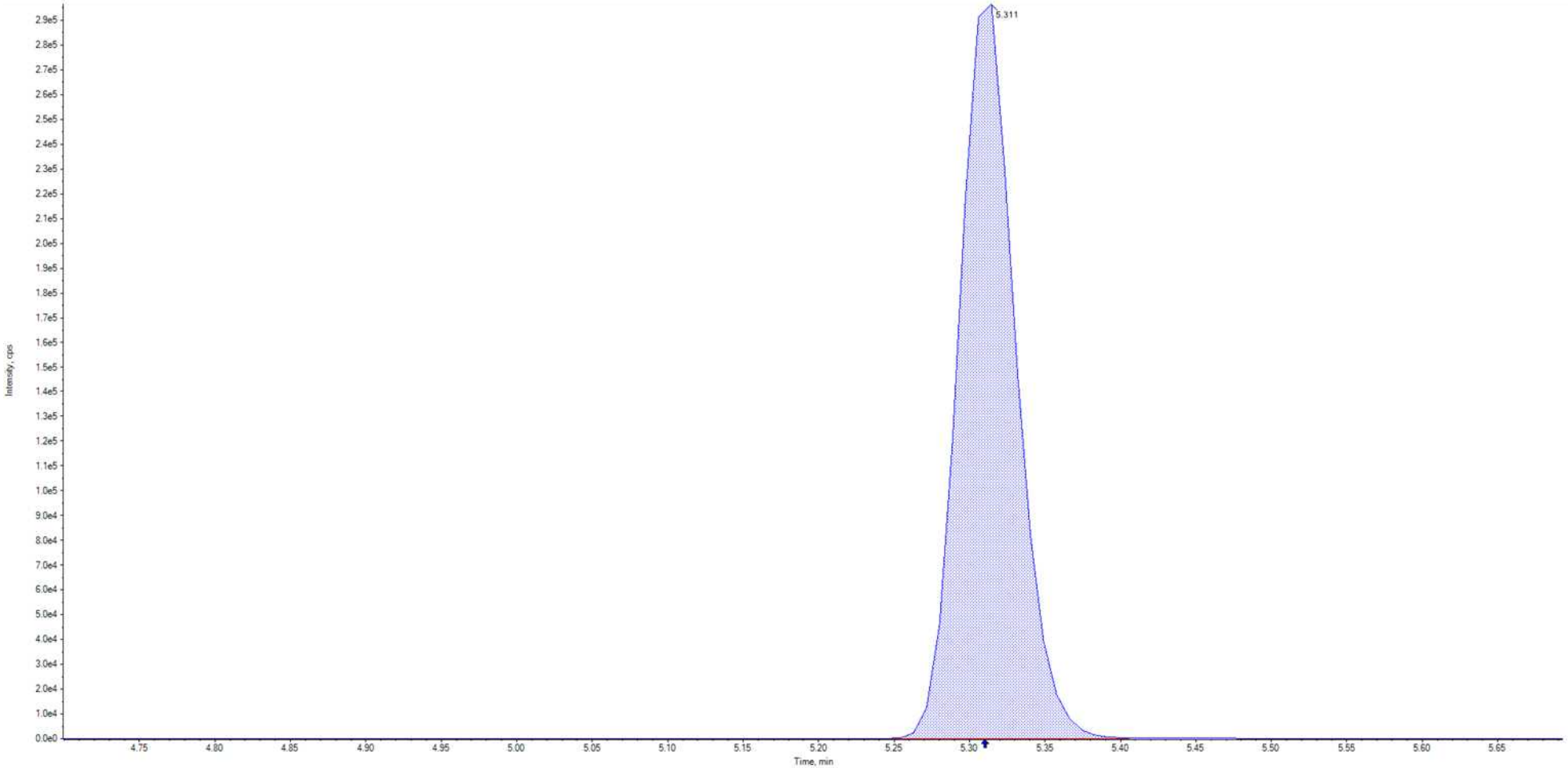


13C2-PFTeDA
Sample: WG1958909-3,INSTBLANK



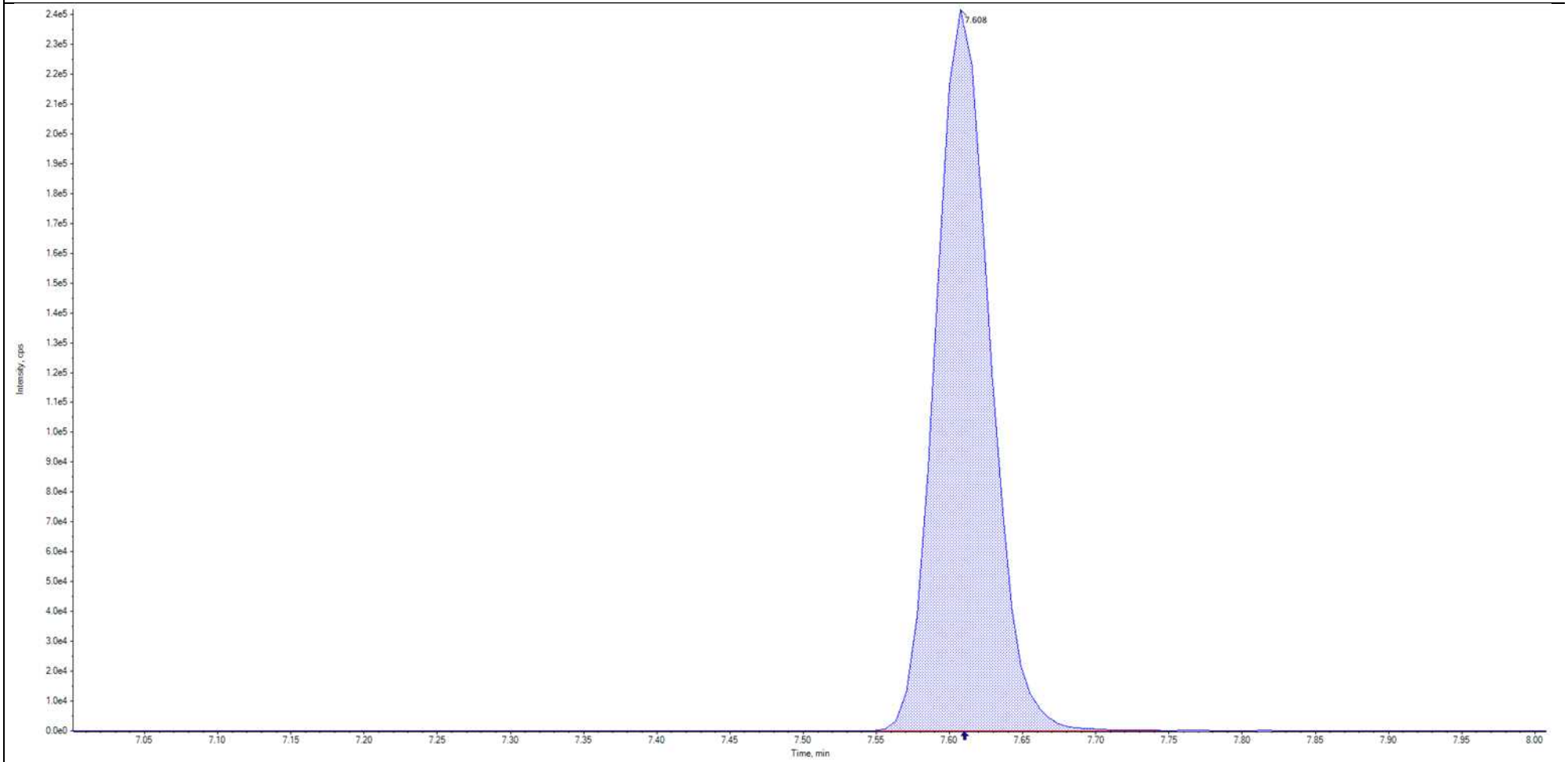
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFBS
Sample: WG1958909-3,INSTBLANK



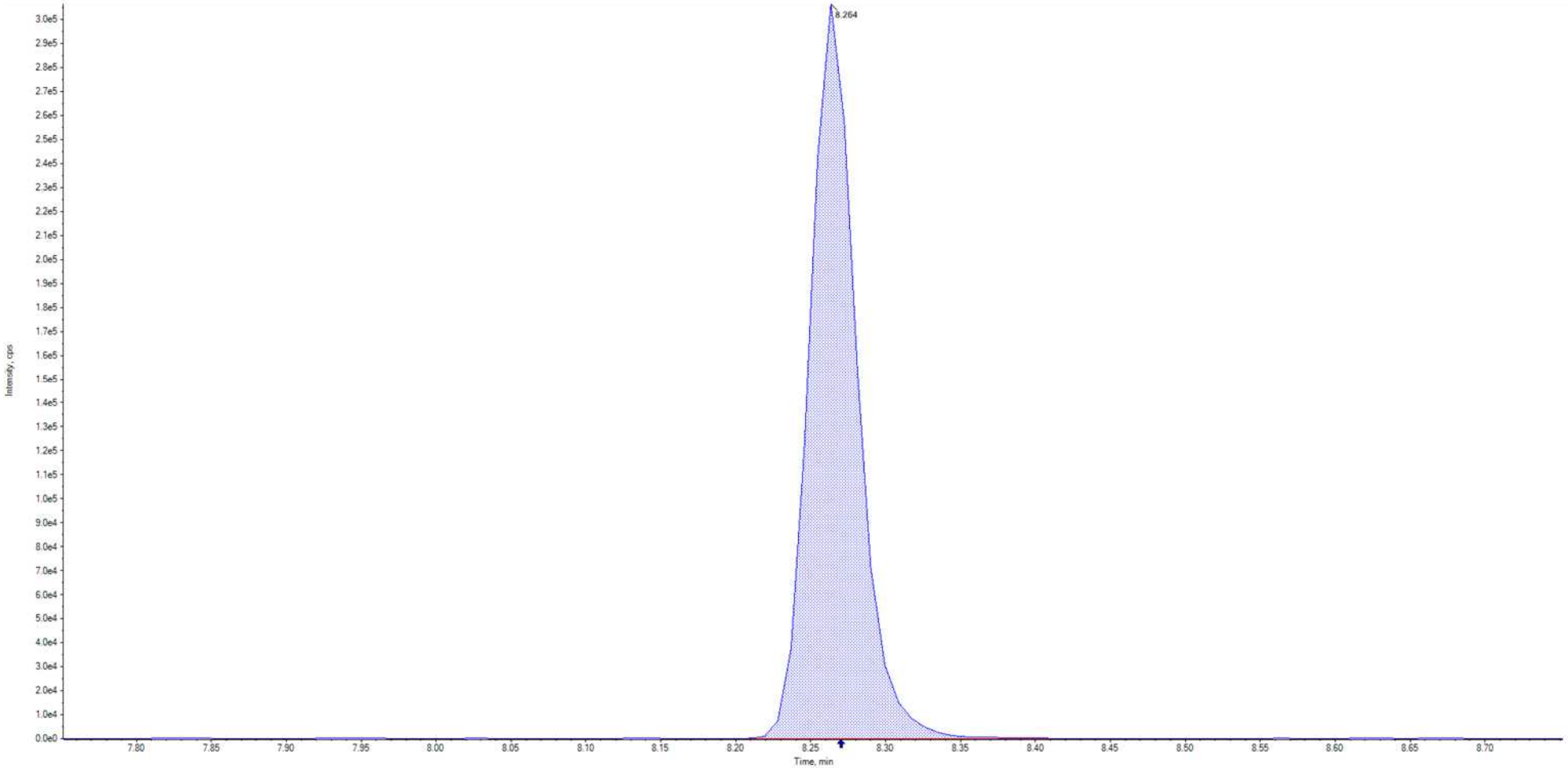
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFHxS
Sample: WG1958909-3,INSTBLANK

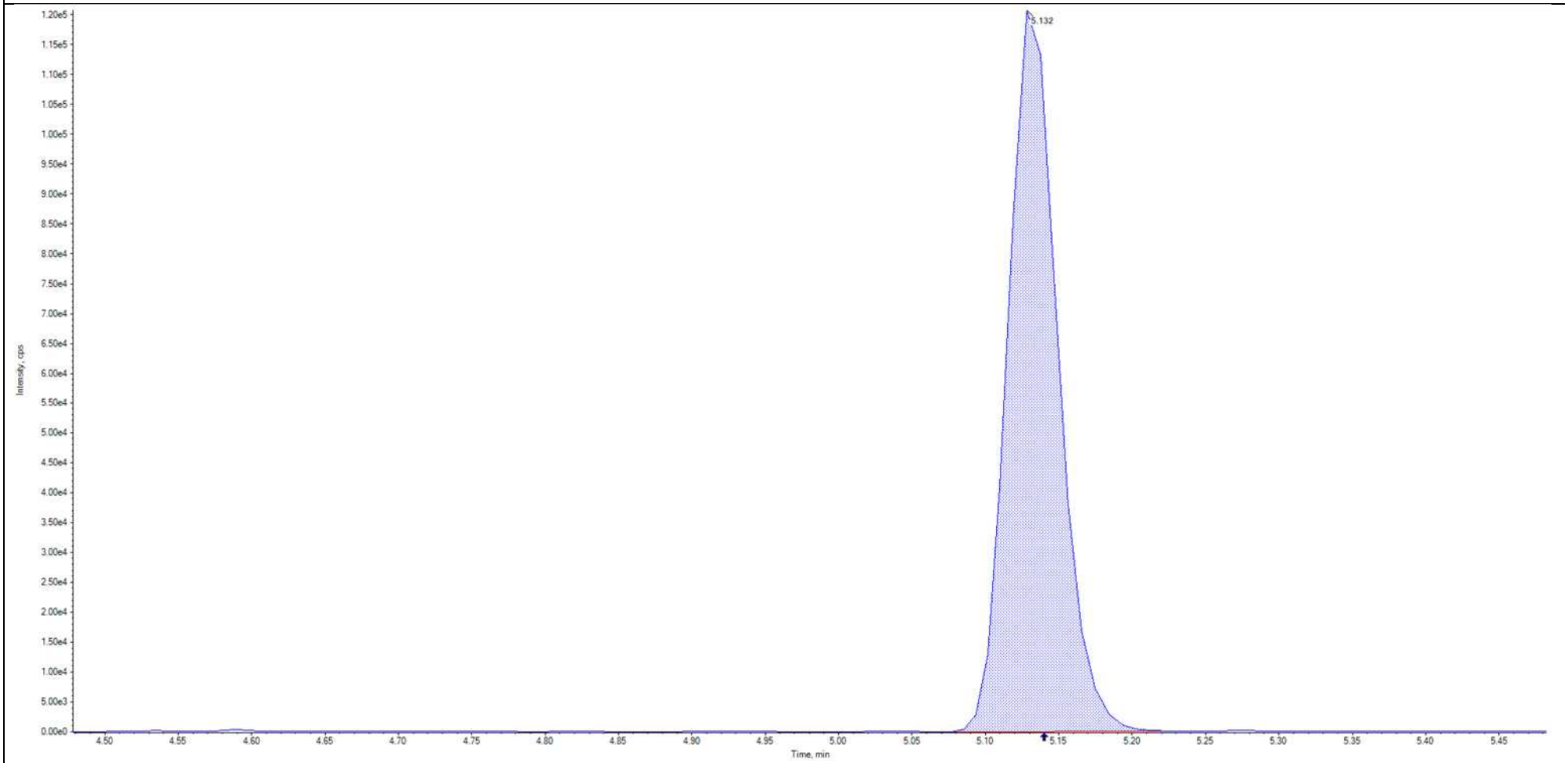


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

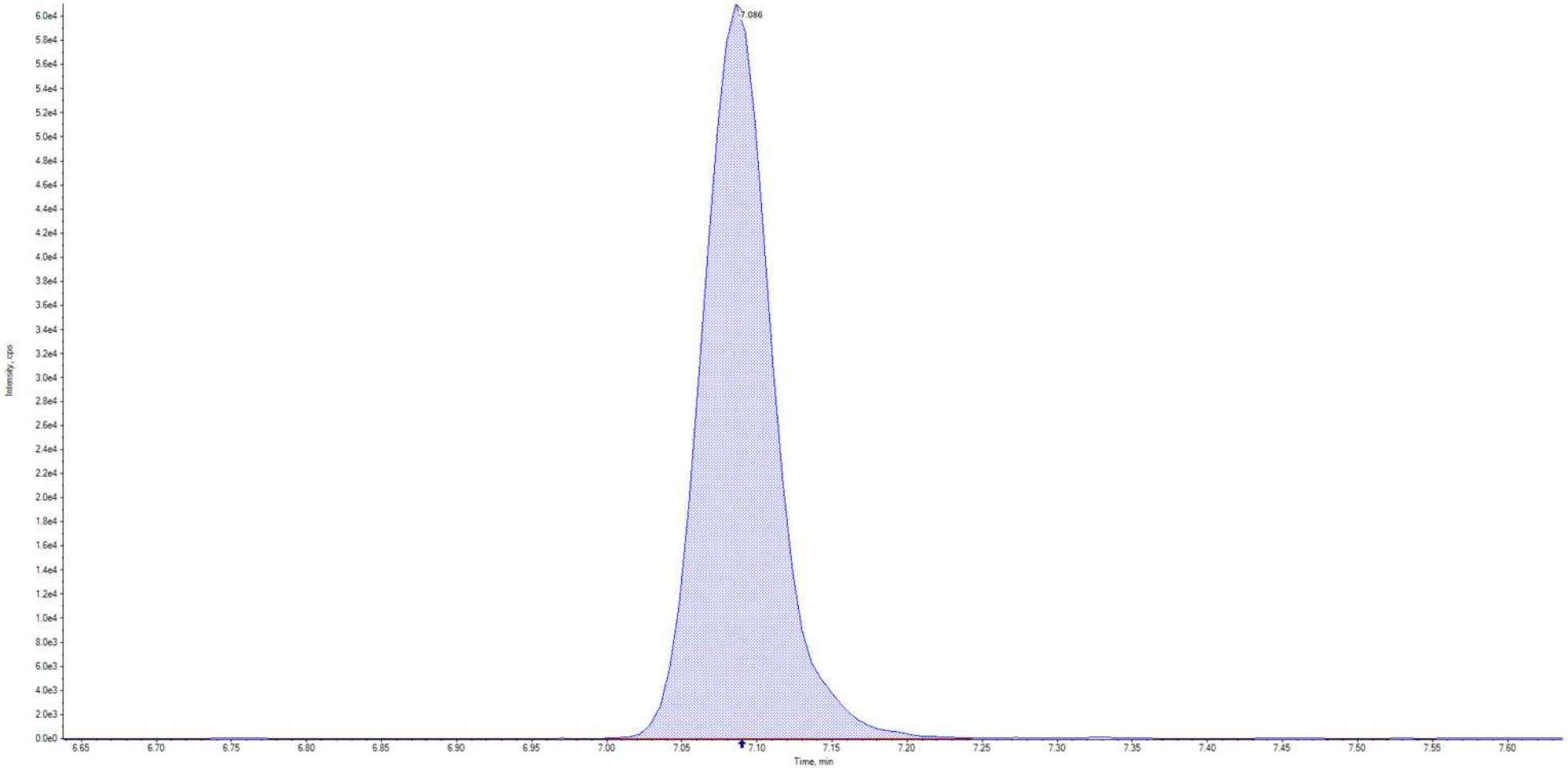
13C8-PFOS
Sample: WG1958909-3,INSTBLANK



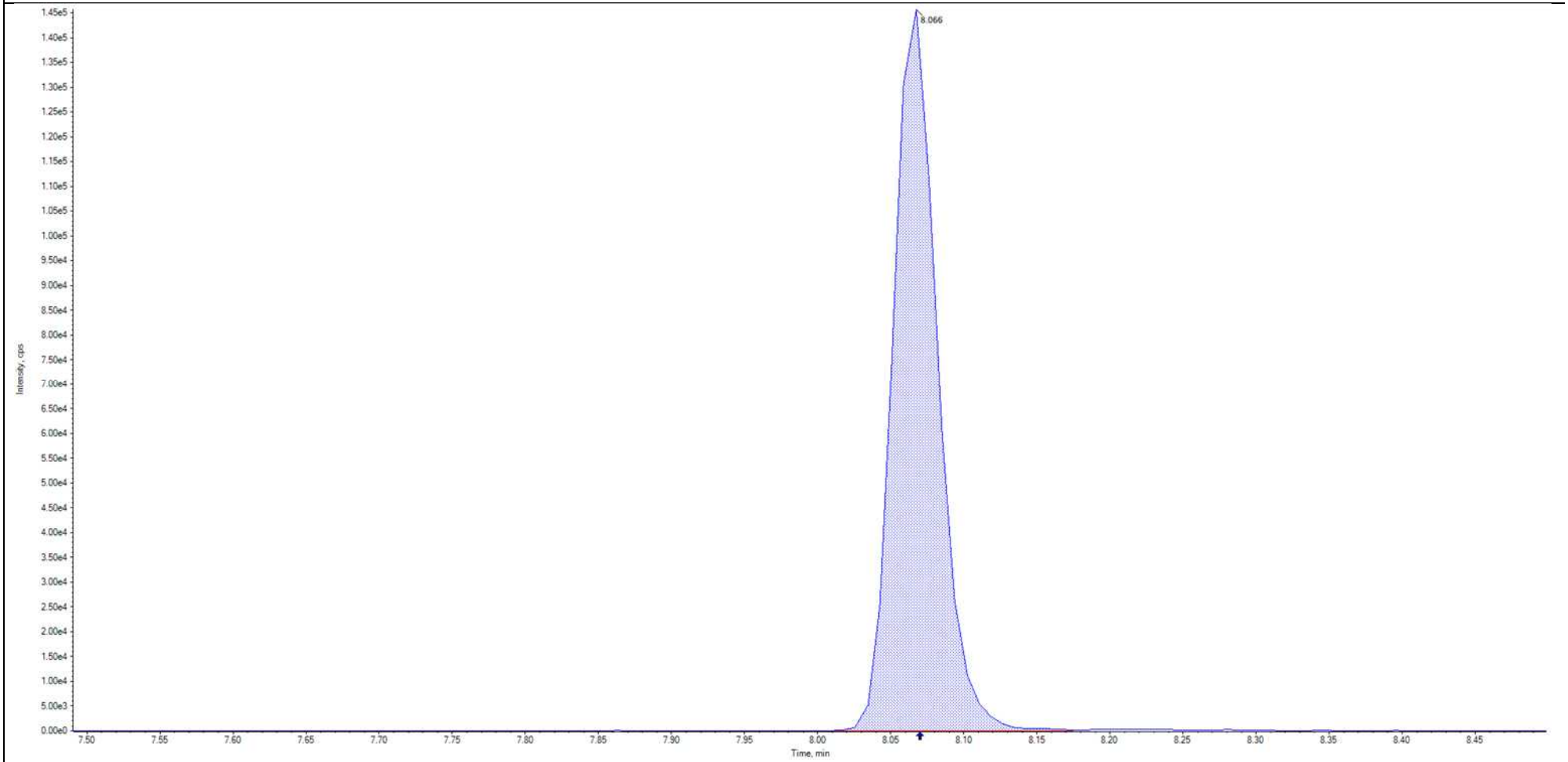
13C2-4:2FTS
Sample: WG1958909-3,INSTBLANK



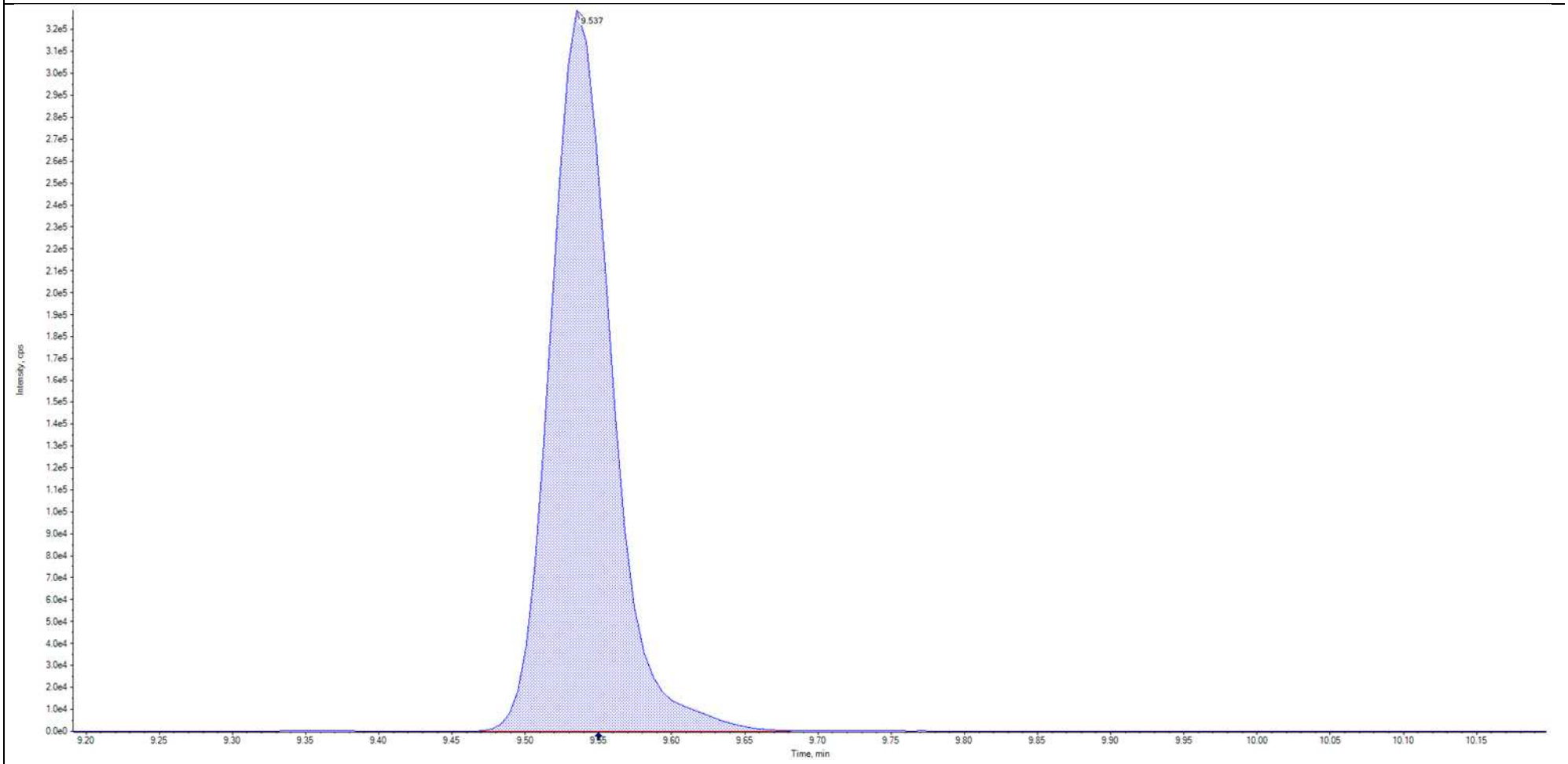
13C2-6:2FTS
Sample: WG1958909-3,INSTBLANK



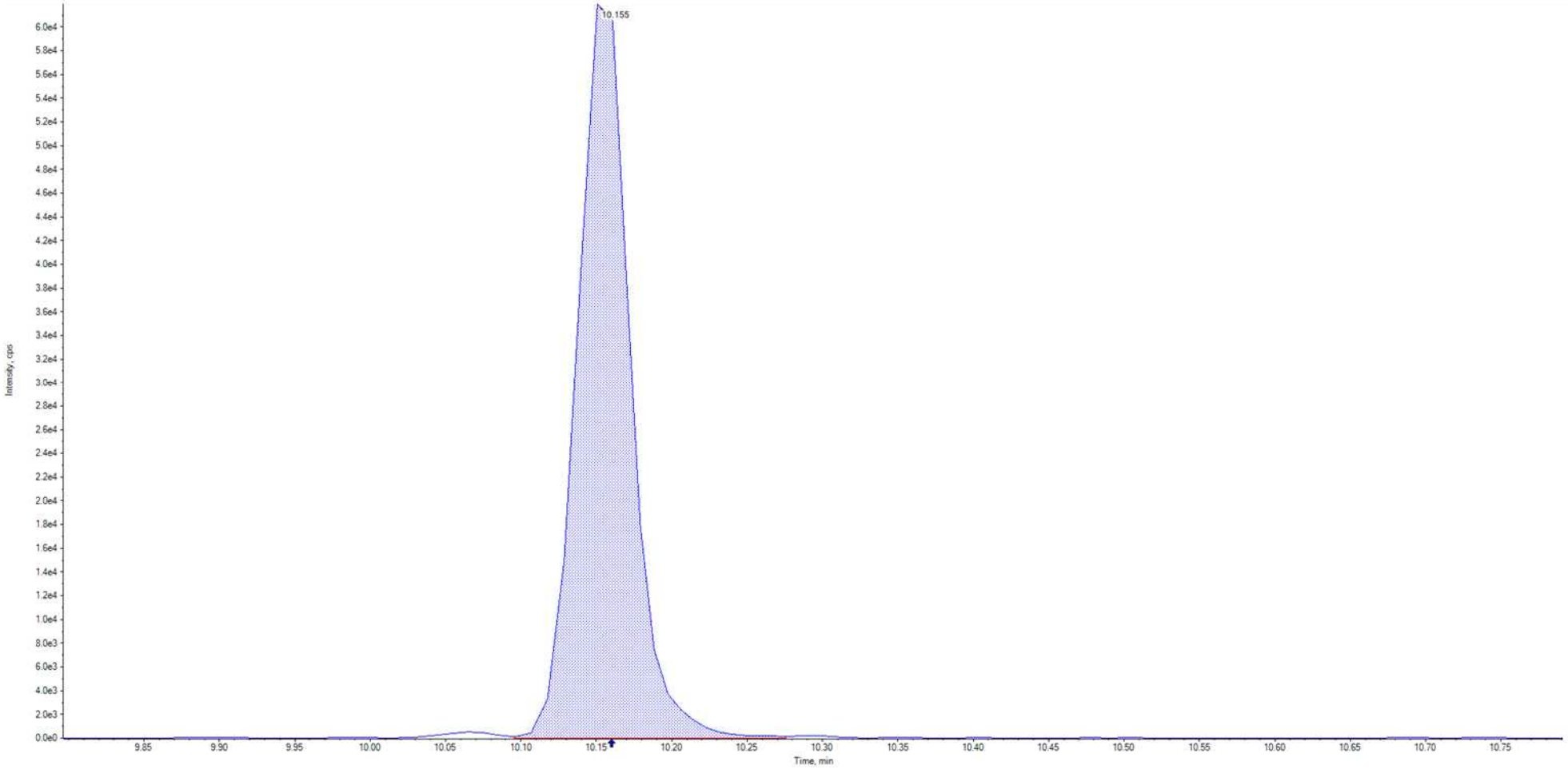
13C2-8:2FTS
Sample: WG1958909-3,INSTBLANK



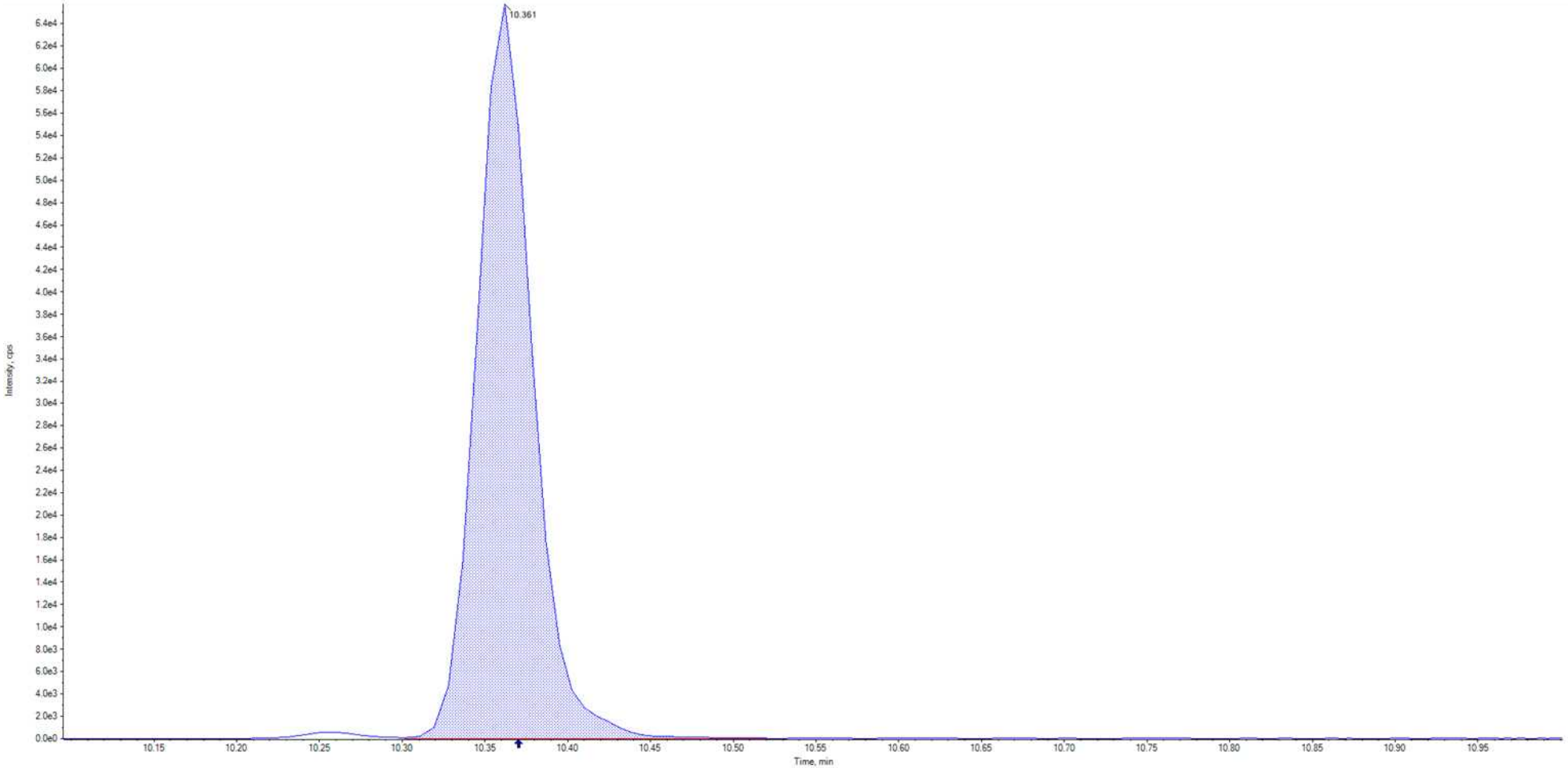
13C8-PFOSA
Sample: WG1958909-3,INSTBLANK



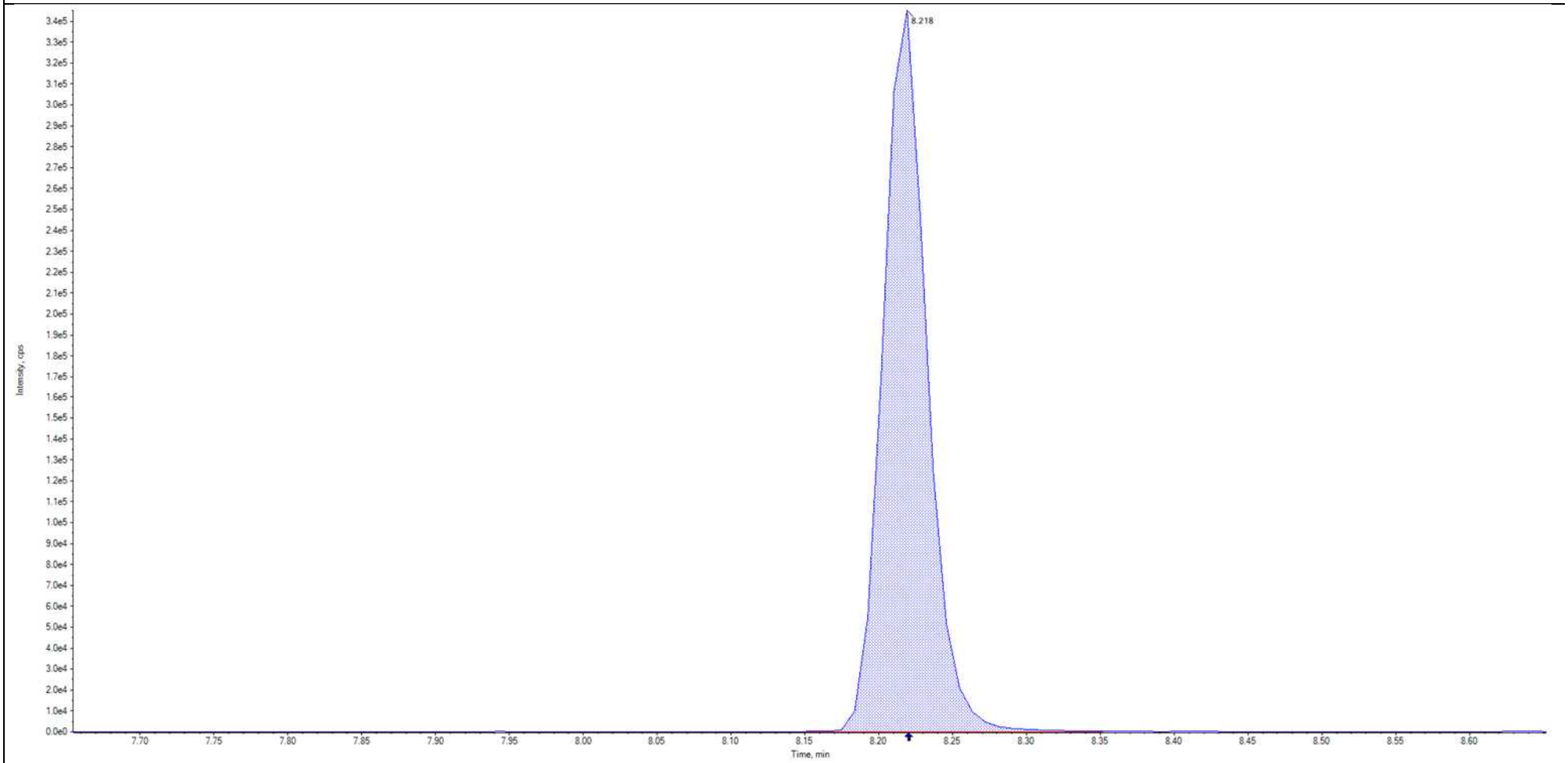
d3-NMeFOSA
Sample: WG1958909-3,INSTBLANK



d5-NEtFOSA
Sample: WG1958909-3,INSTBLANK

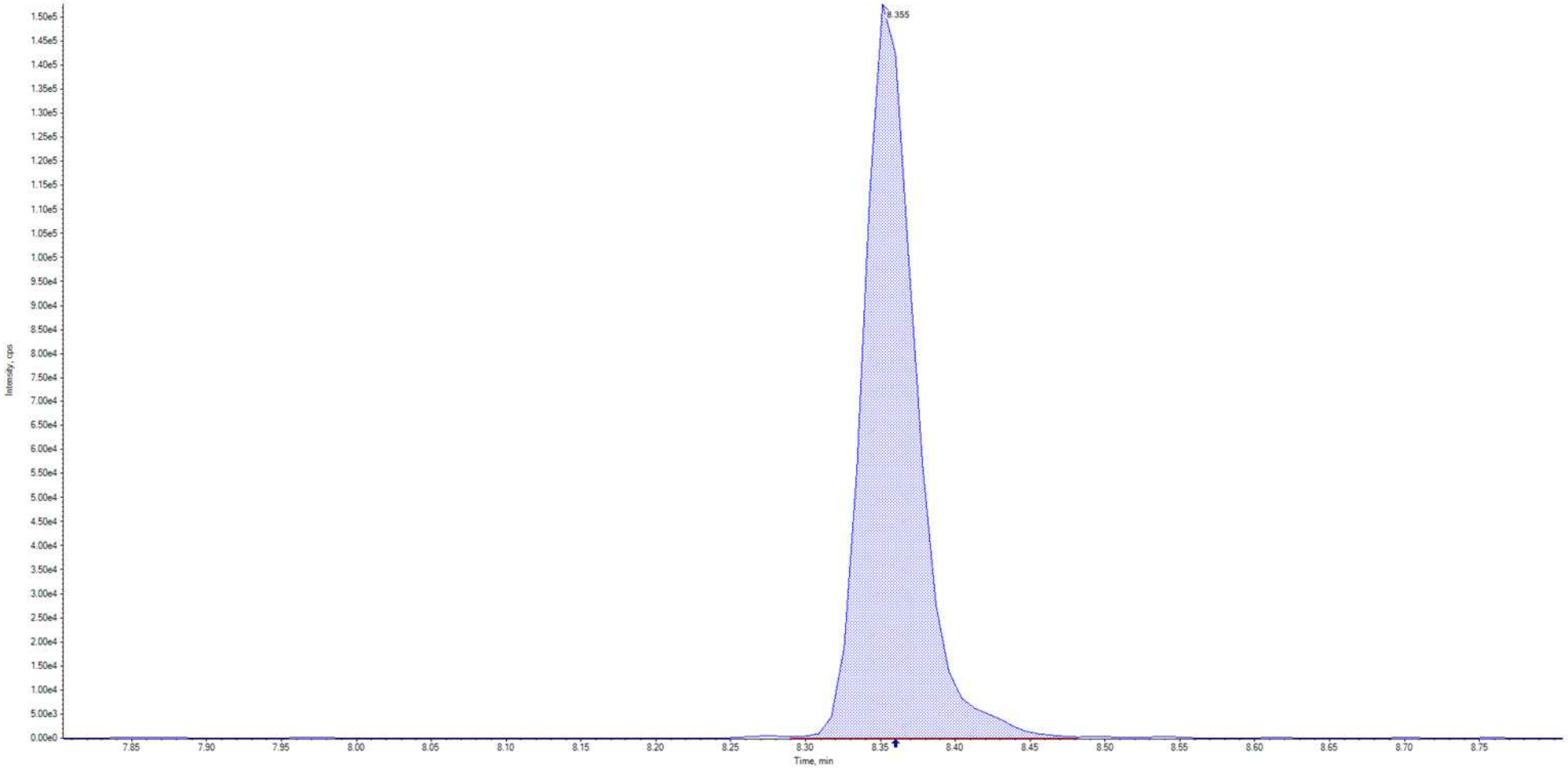


d3-NMeFOSAA
Sample: WG1958909-3,INSTBLANK

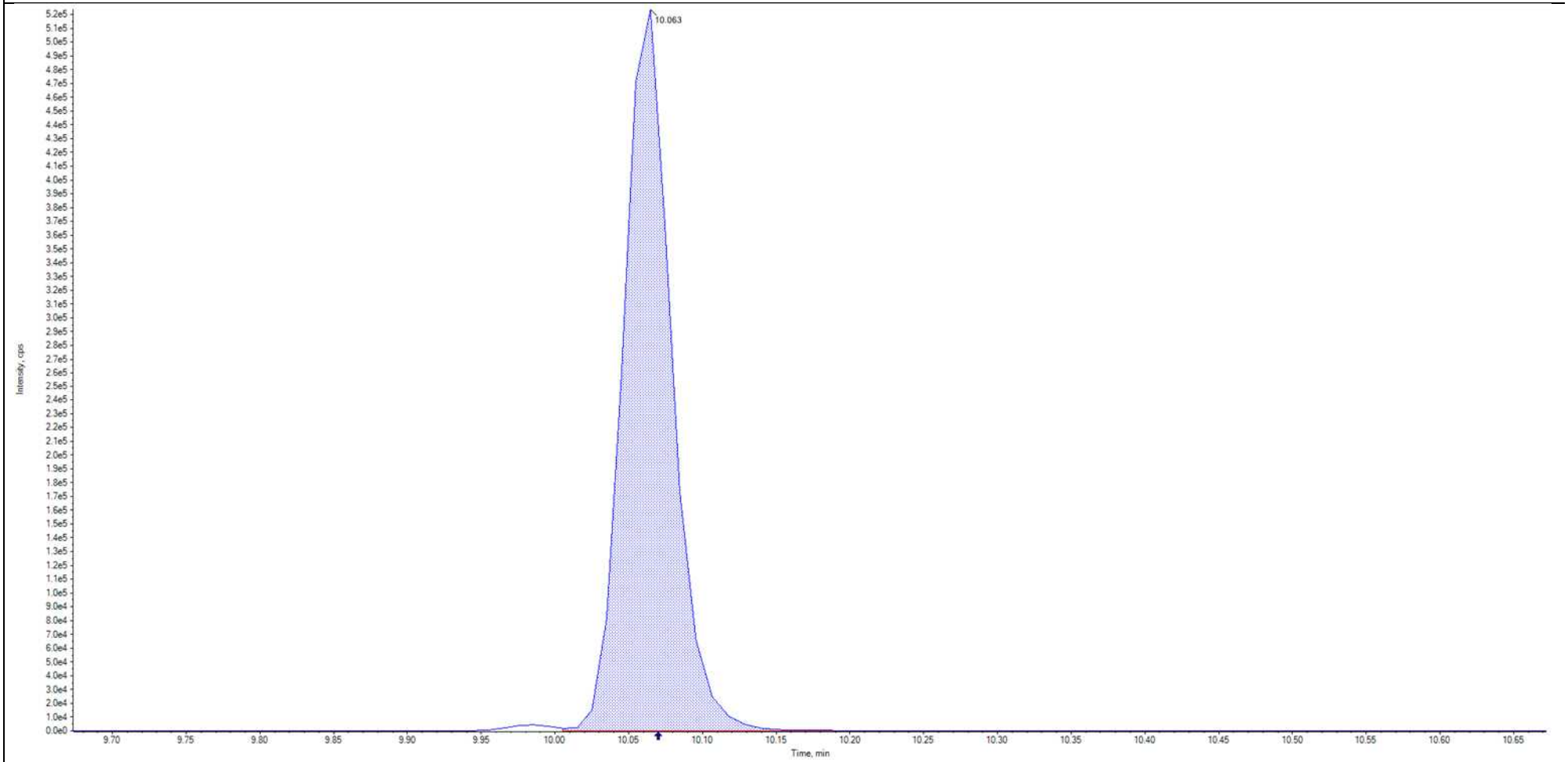


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

d5-NEtFOSAA
Sample: WG1958909-3,INSTBLANK

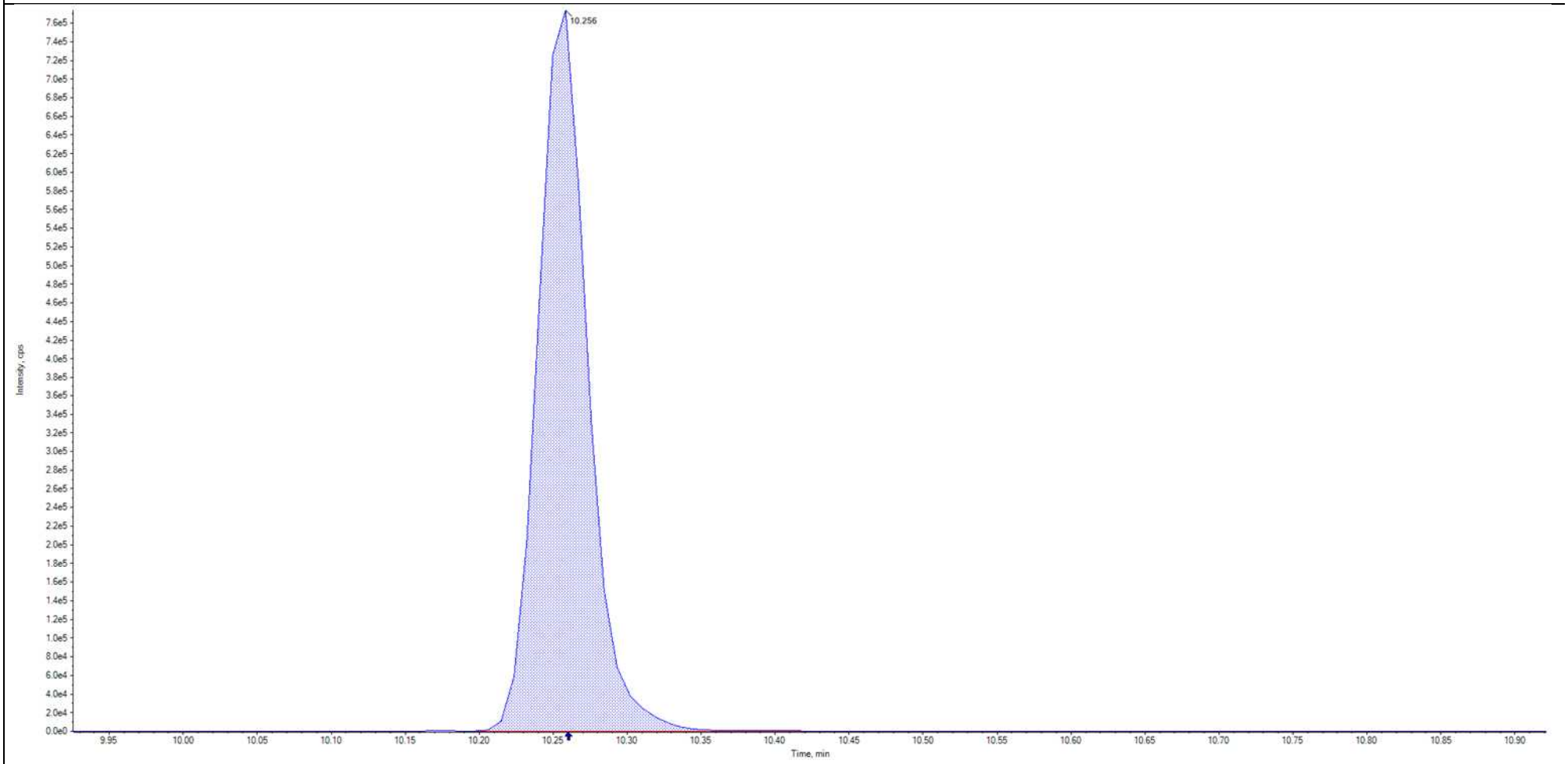


d7-NMeFOSE
Sample: WG1958909-3,INSTBLANK

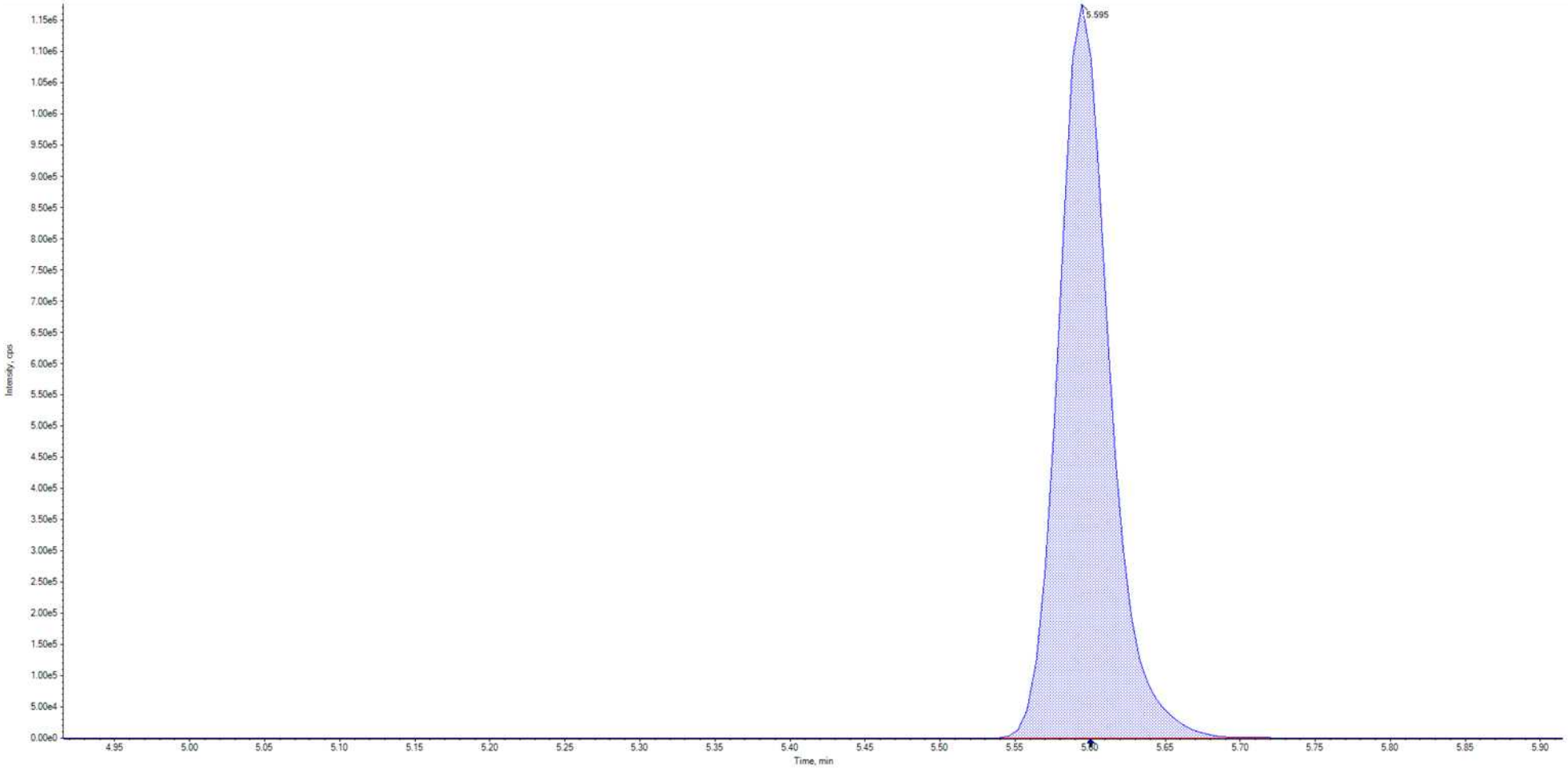


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

d9-NEtFOSE
Sample: WG1958909-3,INSTBLANK

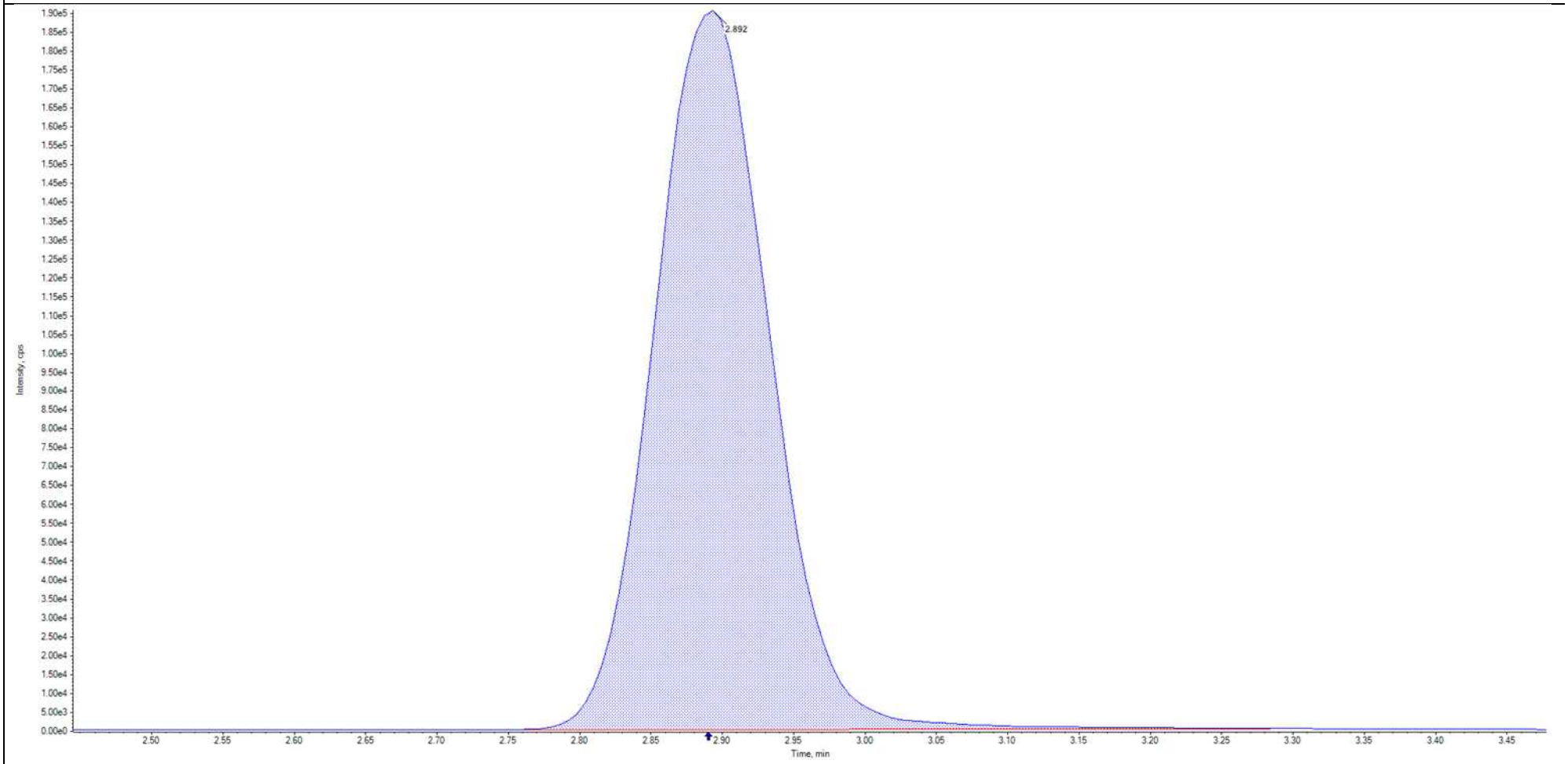


13C3-HFPO-DA
Sample: WG1958909-3,INSTBLANK

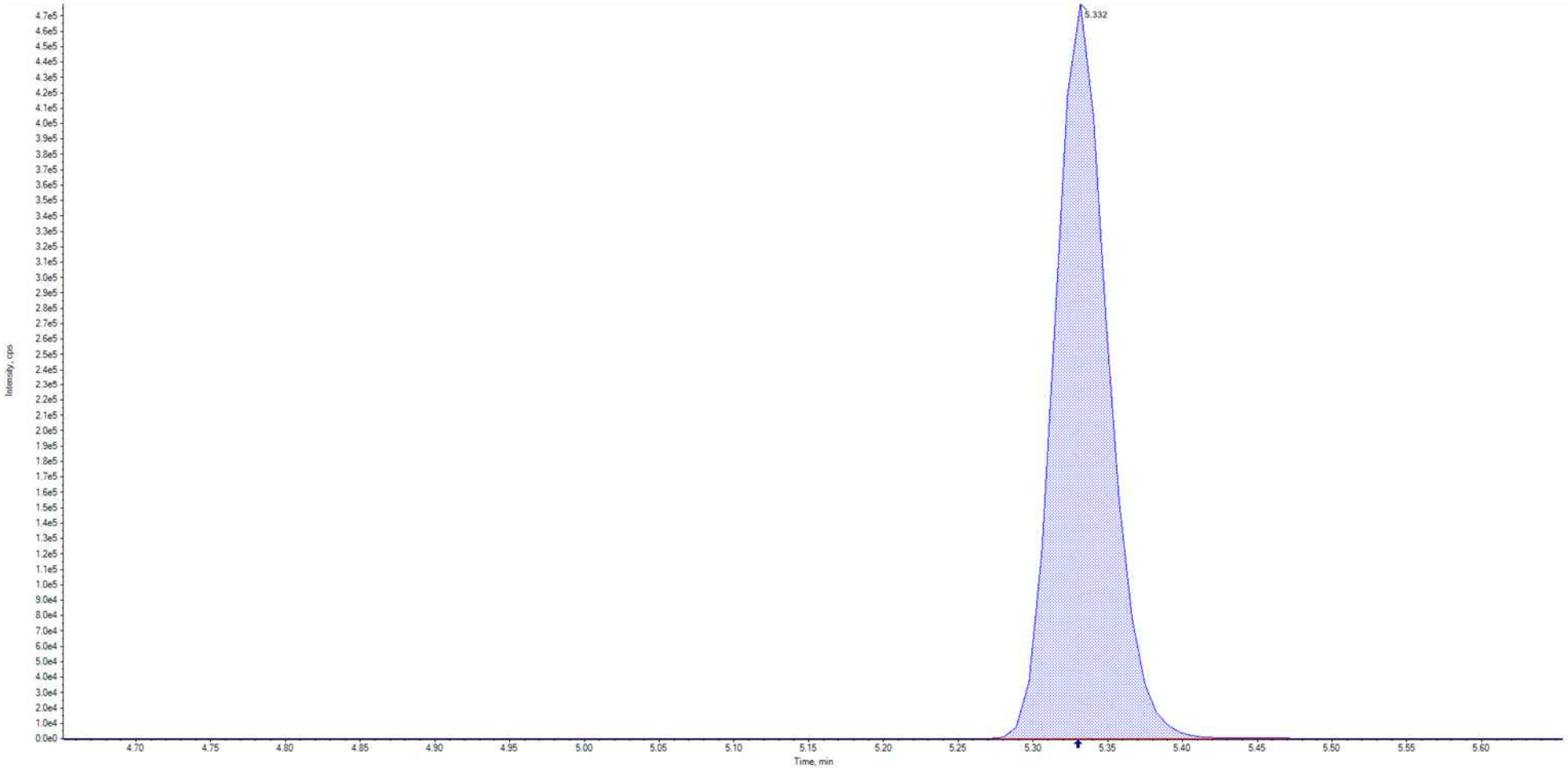


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFBA
Sample: WG1958909-3,INSTBLANK

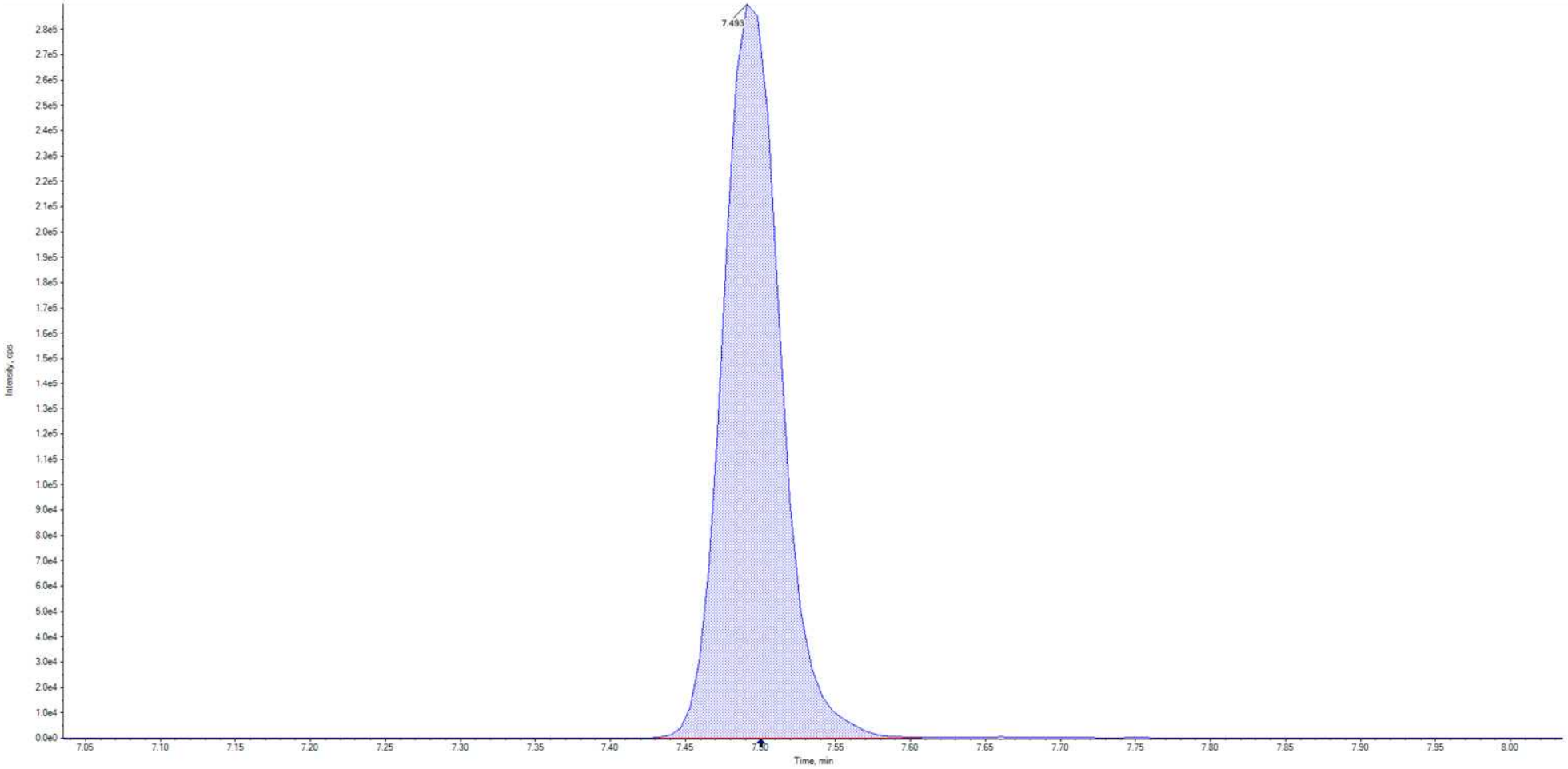


13C2-PFHxA
Sample: WG1958909-3,INSTBLANK

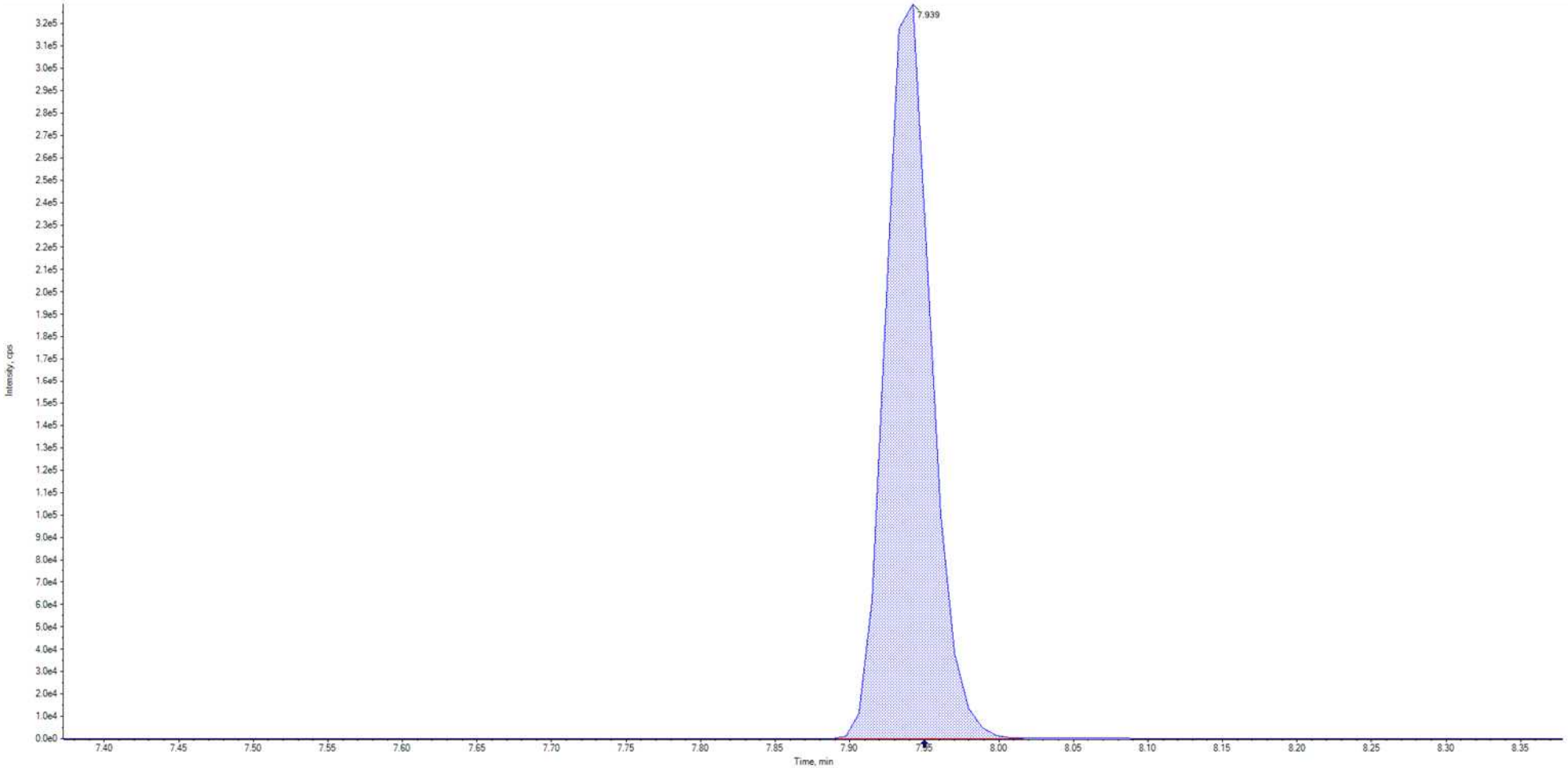


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

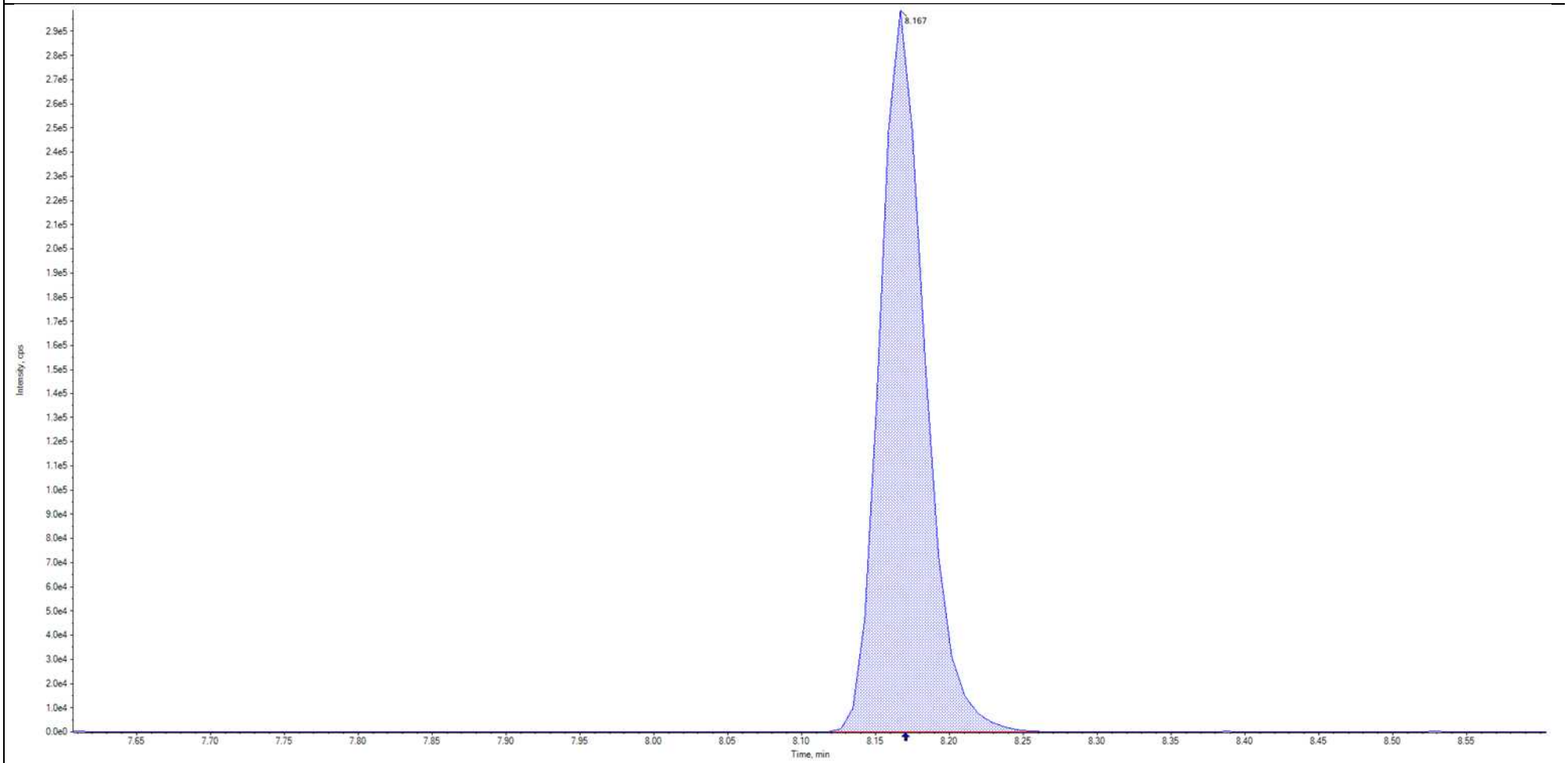
13C4-PFOA
Sample: WG1958909-3,INSTBLANK



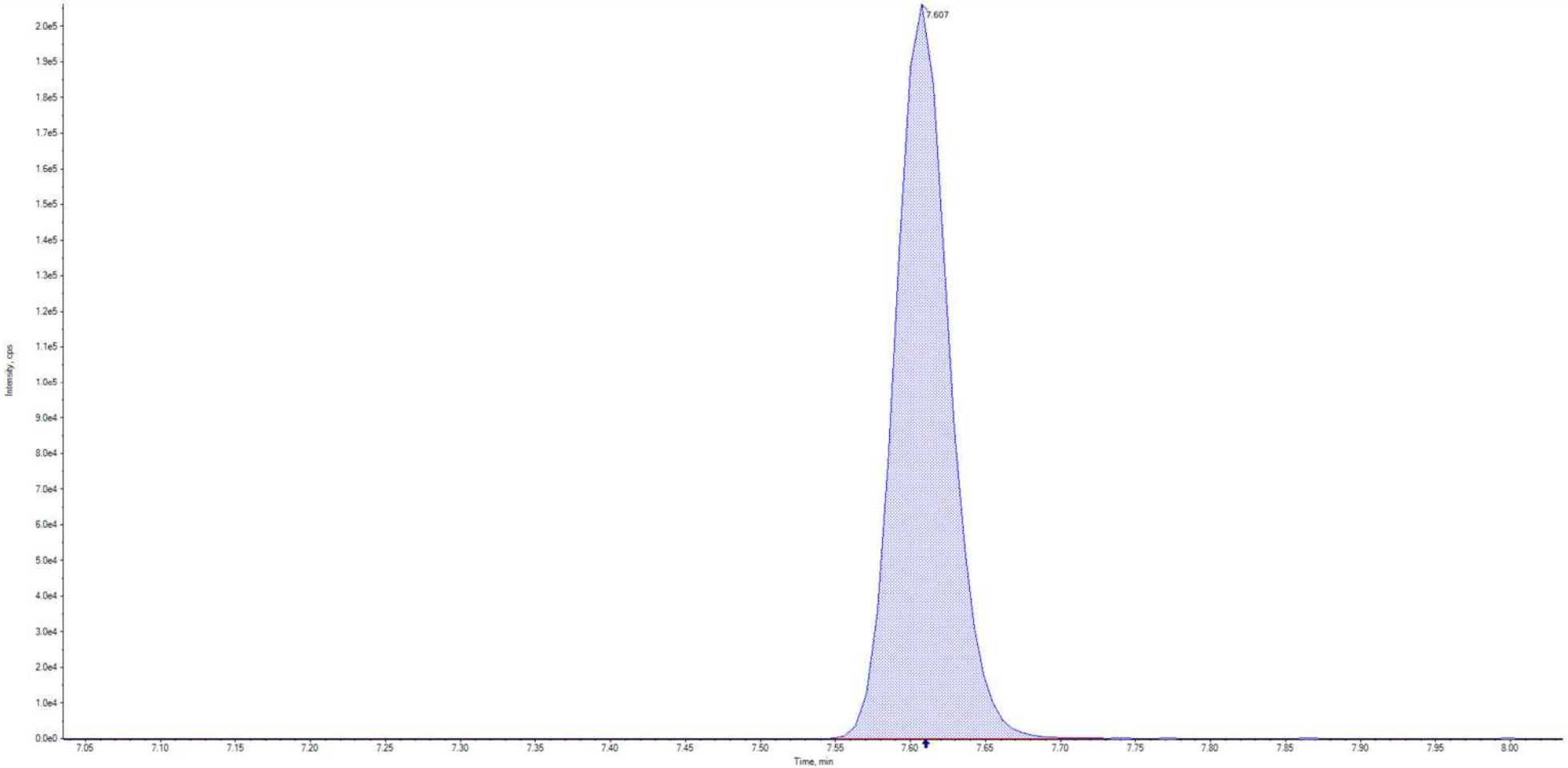
13C5-PFNA
Sample: WG1958909-3,INSTBLANK



13C2-PFDA
Sample: WG1958909-3,INSTBLANK

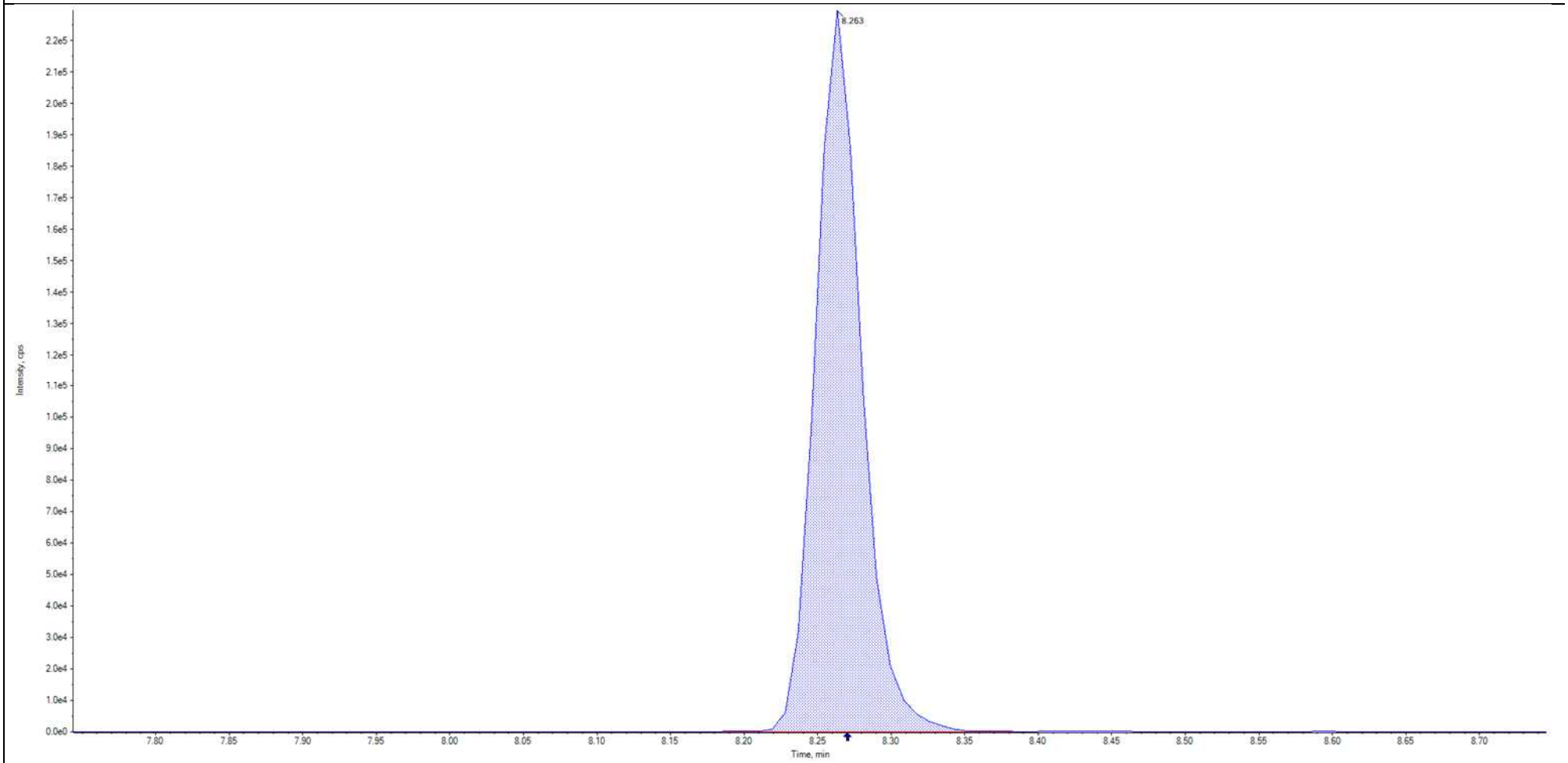


18O2-PFHxS
Sample: WG1958909-3,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: WG1958909-3,INSTBLANK



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_81.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: CA1633STD-10
Name: SCI05_240813_82.wiff
Date & Time: 2024-08-14T00:10:32
Description: WG1958909,,,5 µl LCMS231120C
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.89	213.0 / 169.0	2141398		10.591	N/A	N/A	N/A	105.9
2	PFPeA	2706-90-3	4.64	263.0 / 219.0	3020740		10.377	0.007	0.007	N/A	103.8
3	PFPeA_2	2706-90-3	4.64	263.0 / 68.9	21055		10.244	0.007	0.007	N/A	102.4
4	PFHxA	307-24-4	5.34	313.0 / 269.0	4919878		9.774	0.075	0.072	Pass	97.7
5	PFHxA_2	307-24-4	5.34	313.0 / 119.0	367737		9.888	0.075	0.072	Pass	98.9
6	PFHpA	375-85-9	6.25	363.1 / 319.0	4540092		9.470	0.303	0.297	Pass	94.7
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	1375613		9.377	0.303	0.297	Pass	93.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.49	413.1 / 369.1	3327816	M5	10.706	0.501	0.586	Pass	107.1
9	PFOA_2	335-67-1	7.49	413.1 / 169.0	1667071	M7	9.788	0.501	0.586	Pass	97.9
10	PFNA	375-95-1	7.94	462.8 / 418.9	5019221		12.184	0.245	0.313	Pass	121.8
11	PFNA_2	375-95-1	7.94	462.8 / 218.9	1230141		9.772	0.245	0.313	Pass	97.7
12	PFDA	335-76-2	8.17	513.1 / 469.1	4771597		10.429	0.143	0.142	Pass	104.3
13	PFDA_2	335-76-2	8.17	513.1 / 219.0	683931		9.974	0.143	0.142	Pass	99.7
14	PFUnA	2058-94-8	8.46	563.1 / 519.1	3418593		9.907	0.189	0.194	Pass	99.1
15	PFUnA_2	2058-94-8	8.46	563.1 / 269.0	647262		9.684	0.189	0.194	Pass	96.8
16	PFDoA	307-55-1	8.90	613.1 / 569.1	3306536		8.752	0.172	0.167	Pass	87.5
17	PFDoA_2	307-55-1	8.90	613.1 / 319.0	568188		8.903	0.172	0.167	Pass	89.0
18	PFTrDA	72629-94-8	9.49	663.1 / 619.1	2072227		9.205	0.223	0.228	Pass	92.1
19	PFTrDA_2	72629-94-8	9.49	663.1 / 169.0	462202		9.219	0.223	0.228	Pass	92.2
20	PFTeDA	376-06-7	9.90	713.1 / 669.1	4000682		10.311	0.139	0.137	Pass	103.1
21	PFTeDA_2	376-06-7	9.90	713.1 / 169.0	556492		10.486	0.139	0.137	Pass	104.9
22	PFBS	375-73-5	5.31	299.1 / 80.1	3478595		10.677	0.406	0.396	Pass	106.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.31	299.1 / 99.1	1411395		10.866	0.406	0.396	Pass	108.7
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	2944351		10.672	0.301	0.299	Pass	106.7
25	PFPeS_2	2706-91-4	6.34	349.1 / 99.1	884989		10.635	0.301	0.299	Pass	106.4
26	PFHxS	355-46-4	7.61	399.1 / 80.1	2717542	M5	10.525	0.304	0.315	Pass	105.3
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	826780	M7	10.311	0.304	0.315	Pass	103.1
28	PFHpS	375-92-8	8.01	449.1 / 80.1	2628602		10.475	0.298	0.287	Pass	104.8
29	PFHpS_2	375-92-8	8.01	449.1 / 99.1	783541		10.653	0.298	0.287	Pass	106.5
30	PFOS	1763-23-1	8.27	499.1 / 80.1	2661502	M5	9.961	0.225	0.238	Pass	99.6
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	598859		9.148	0.225	0.238	Pass	91.5
32	PFNS	68259-12-1	8.62	549.1 / 80.1	1869857		10.900	0.301	0.301	Pass	109.0
33	PFNS_2	68259-12-1	8.62	549.1 / 99.1	562916		10.835	0.301	0.301	Pass	108.4
34	PFDS	335-77-3	9.14	599.1 / 80.1	1750884		10.362	0.278	0.275	Pass	103.6
35	PFDS_2	335-77-3	9.14	599.1 / 99.1	486862		10.452	0.278	0.275	Pass	104.5
36	PFDoS	79780-39-5	10.00	699.2 / 80.1	1643234		10.617	0.273	0.274	Pass	106.2
37	PFDoS_2	79780-39-5	10.00	699.2 / 99.1	448555		10.548	0.273	0.274	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	5.13	327.1 / 307.1	1188112		10.742	0.516	0.516	Pass	107.4
39	4:2FTS_2	757124-72-4	5.13	327.1 / 81.1	613309		10.365	0.516	0.516	Pass	103.7
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	749524		10.450	0.568	0.565	Pass	104.5
41	6:2FTS_2	27619-97-2	7.08	427.2 / 81.1	425704		10.973	0.568	0.565	Pass	109.7
42	8:2FTS	39108-34-4	8.07	527.2 / 507.2	862361		11.180	0.708	0.662	Pass	111.8
43	8:2FTS_2	39108-34-4	8.07	527.2 / 81.1	610405		11.667	0.708	0.662	Pass	116.7
44	PFOSA	754-91-6	9.54	498.1 / 78.1	2485355	M5	9.934	0.023	0.025	Pass	99.3
45	PFOSA_2	754-91-6	9.54	498.1 / 478.0	58399	M7	8.896	0.023	0.025	Pass	89.0
46	NMeFOSA	31506-32-8	10.16	512.2 / 219.0	602931	M4	8.720	1.109	1.551	Pass	87.2
47	NMeFOSA_2	31506-32-8	10.16	512.2 / 169.0	668394		6.238	1.109	1.551	Pass	62.4
48	NEtFOSA	4151-50-2	10.37	526.2 / 219.0	619581		9.226	1.058	1.285	Pass	92.3
49	NEtFOSA_2	4151-50-2	10.37	526.2 / 169.0	655449		7.291	1.058	1.285	Pass	72.9
50	NMeFOSAA	2355-31-9	8.22	570.2 / 419.1	1125555		9.268	0.611	0.700	Pass	92.7
51	NMeFOSAA_2	2355-31-9	8.22	570.2 / 483.0	687407		8.901	0.611	0.700	Pass	89.0
52	NEtFOSAA	2991-50-6	8.36	584.2 / 419.1	682270		9.641	0.494	0.487	Pass	96.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.36	584.2 / 526.2	337280	M7	10.357	0.494	0.487	Pass	103.6
54	NMeFOSE	24448-09-7	10.07	616.1 / 58.9	1193158		9.990	N/A	N/A	N/A	99.9
55	NEtFOSE	1691-99-2	10.27	630.0 / 58.9	2261051		10.666	N/A	N/A	N/A	106.7
56	HFPO-DA	13252-13-6	5.60	285.0 / 169.0	2708510		10.702	0.468	0.464	Pass	107.0
57	HFPO-DA_2	13252-13-6	5.60	285.0 / 184.9	1268011		10.774	0.468	0.464	Pass	107.7
58	ADONA	919005-14-4	6.72	377.1 / 251.0	5709762		9.920	0.664	0.634	Pass	99.2
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	3791420		10.180	0.664	0.634	Pass	101.8
60	9Cl-PF3ONS	756426-58-1	8.49	530.8 / 351.1	6161445		10.856	0.309	0.322	Pass	108.6
61	9Cl-PF3ONS_2	756426-58-1	8.49	532.8 / 353.0	1905585		10.311	0.309	0.322	Pass	103.1
62	11Cl-PF3OUdS	763051-92-9	9.56	630.9 / 451.0	3646247		10.171	0.330	0.331	Pass	101.7
63	11Cl-PF3OUdS_2	763051-92-9	9.56	632.9 / 452.9	1204287		9.982	0.330	0.331	Pass	99.8
64	3:3FTCA	356-02-5	4.91	241.1 / 177.1	243107		9.628	1.086	1.074	Pass	96.3
65	3:3FTCA_2	356-02-5	4.91	241.1 / 117.0	263901		10.436	1.086	1.074	Pass	104.4
66	5:3FTCA	914637-49-3	7.16	341.1 / 237.1	985608		10.794	0.942	0.953	Pass	107.9
67	5:3FTCA_2	914637-49-3	7.15	341.1 / 217.0	928171		10.742	0.942	0.953	Pass	107.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.20	441.1 / 316.9	1301430		12.803	1.388	1.558	Pass	128.0
69	7:3FTCA_2	812-70-4	8.20	441.1 / 337.1	1806684		12.248	1.388	1.558	Pass	122.5
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	7907250		9.055	0.086	0.087	Pass	90.6
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	680359		9.018	0.086	0.087	Pass	90.2
72	PFMPA	377-73-1	3.85	229.0 / 85.0	359459		10.202	N/A	N/A	N/A	102.0
73	PFMBA	863090-89-5	4.87	279.0 / 85.0	4607412		9.698	N/A	N/A	N/A	97.0
74	NFDHA	151772-58-6	5.25	295.0 / 201.0	894680		9.732	1.003	0.910	Pass	97.3
75	NFDHA_2	151772-58-6	5.25	295.0 / 84.9	897470		10.649	1.003	0.910	Pass	106.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	903529		5.141	N/A	N/A	N/A	102.8
79	13C2-PFOA	Surr	7.49	415.0 / 370.0	3256013		2.506	N/A	N/A	N/A	100.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2493179		10.016	NA	NA	NA	100.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1578635		5.147	NA	NA	NA	102.9
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1032774		2.564	NA	NA	NA	102.5
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	1023436		2.537	NA	NA	NA	101.5
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1493646		2.546	NA	NA	NA	101.8
	13C9-PFNA	EIS	7.94	472.0 / 427.0	703450		1.312	NA	NA	NA	105.0
	13C6-PFDA	EIS	8.17	519.0 / 474.0	663654		1.240	NA	NA	NA	99.2
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	545839		1.260	NA	NA	NA	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.89	615.1 / 570.0	363150		1.289	NA	NA	NA	103.1
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	387076		1.266	NA	NA	NA	101.3
	13C3-PFBS	EIS	5.30	302.1 / 80.1	776535		2.371	NA	NA	NA	101.8
	13C3-PFHxS	EIS	7.60	402.1 / 80.1	646849		2.487	NA	NA	NA	104.9
	13C8-PFOS	EIS	8.26	507.1 / 80.1	650472		2.387	NA	NA	NA	99.7
	13C2-4:2FTS	EIS	5.12	329.1 / 81.1	264698		4.529	NA	NA	NA	96.6
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	207907		4.855	NA	NA	NA	102.1
	13C2-8:2FTS	EIS	8.06	529.2 / 81.1	292118		4.661	NA	NA	NA	97.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	935828		2.583	NA	NA	NA	103.3
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	161439		2.647	NA	NA	NA	105.9
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	152879		2.566	NA	NA	NA	102.6
	d3-NMeFOSAA	EIS	8.21	573.2 / 419.1	922810		6.693	NA	NA	NA	133.9
	d5-NEtFOSAA	EIS	8.35	589.3 / 419.1	379523		5.238	NA	NA	NA	104.8
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1210370		25.700	NA	NA	NA	102.8
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1805761		26.006	NA	NA	NA	104.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.59	287.0 / 169.0	2760880		10.341	NA	NA	NA	103.4
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1088885		5.092	NA	NA	NA	101.9
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1196116		2.443	NA	NA	NA	97.7
	13C4-PFOA	NIS	7.49	417.0 / 372.0	767568		2.452	NA	NA	NA	98.1
	13C5-PFNA	NIS	7.94	468.0 / 423.0	653059		1.192	NA	NA	NA	95.4
	13C2-PFDA	NIS	8.16	515.1 / 470.1	628726		1.227	NA	NA	NA	98.2
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	528641		2.256	NA	NA	NA	95.2
	13C4-PFOS	NIS	8.26	503.1 / 80.1	482037		2.289	NA	NA	NA	95.6

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 9:40:32 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
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Generated: 8/14/2024 9:40:32 AM

PFBA
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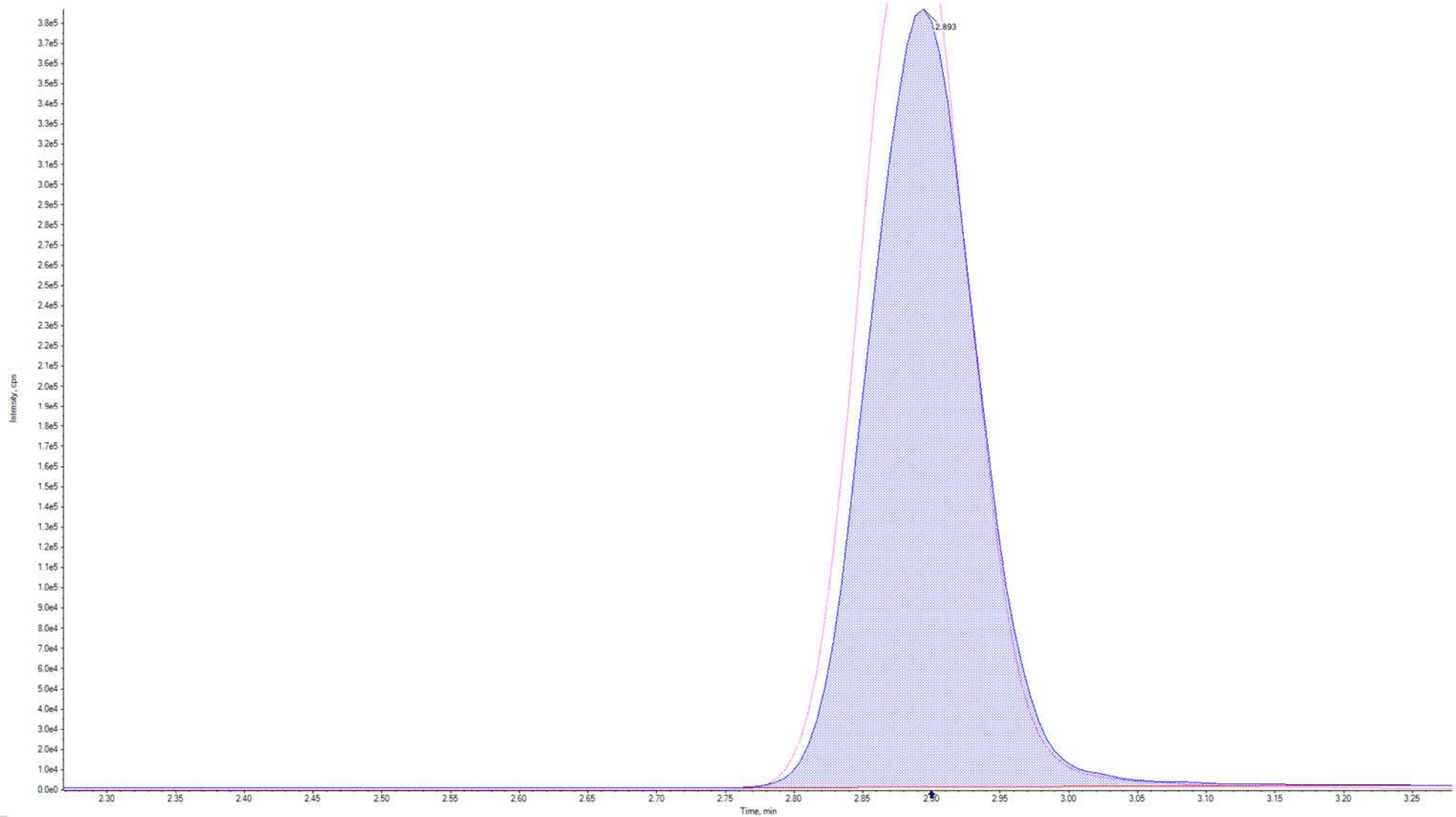

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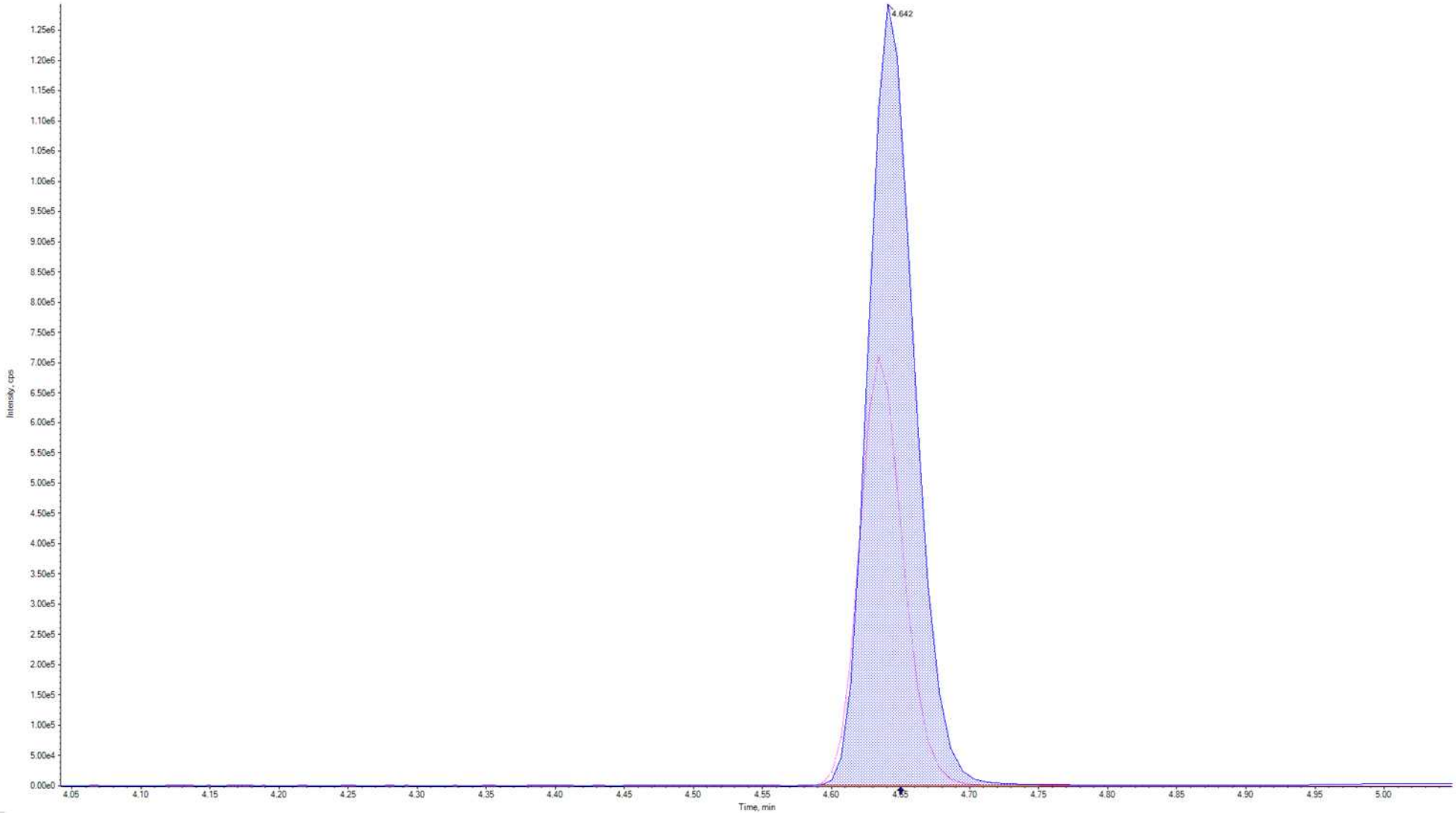
Generated: 8/14/2024 9:40:32 AM

PFPeA
Sample: CA1633STD-10 S/N:3213.7 Points Across peak:39



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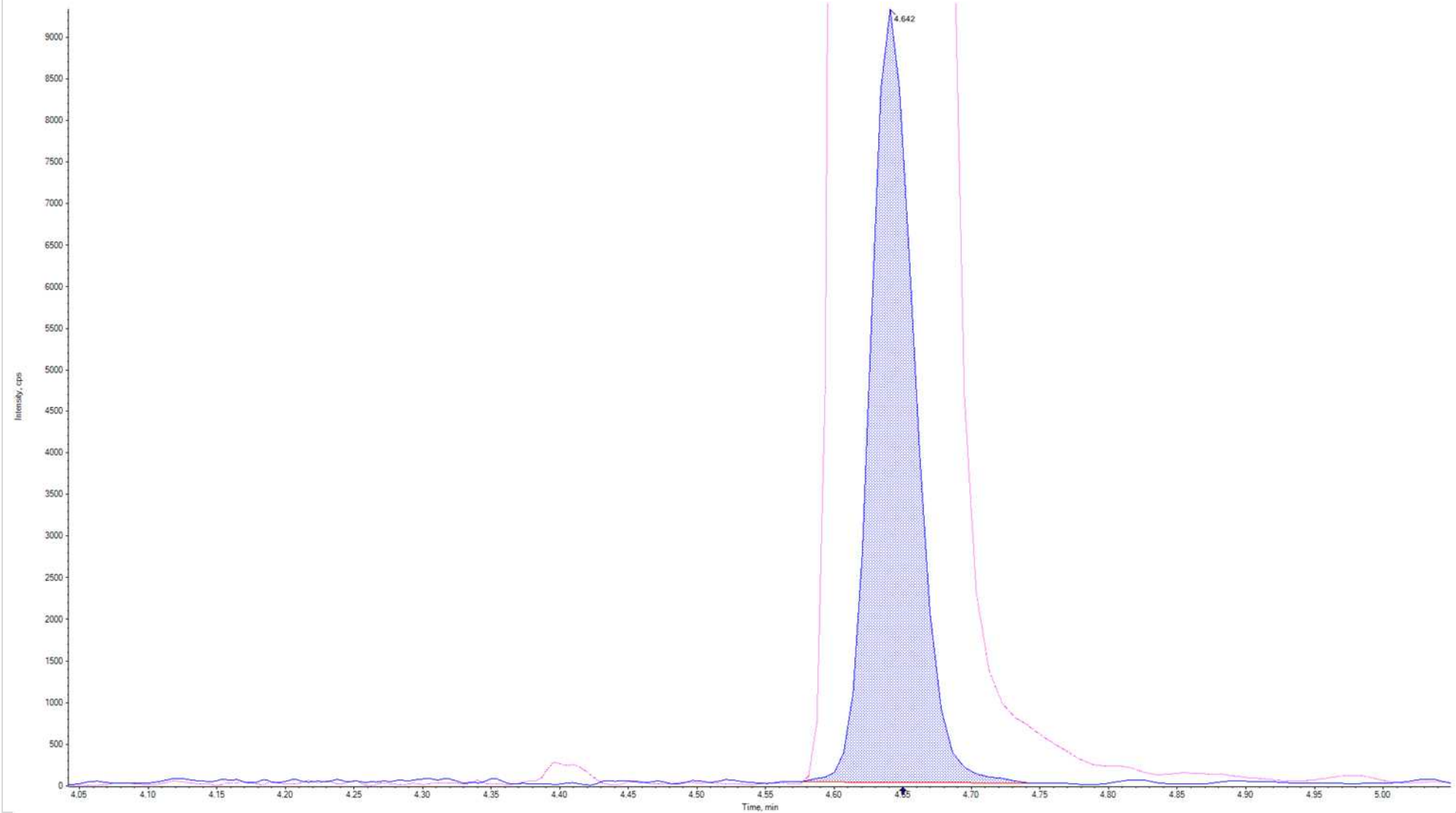
Generated: 8/14/2024 9:40:32 AM

PFPeA_2
Sample: CA1633STD-10 S/N:1017.4 Points Across peak:24



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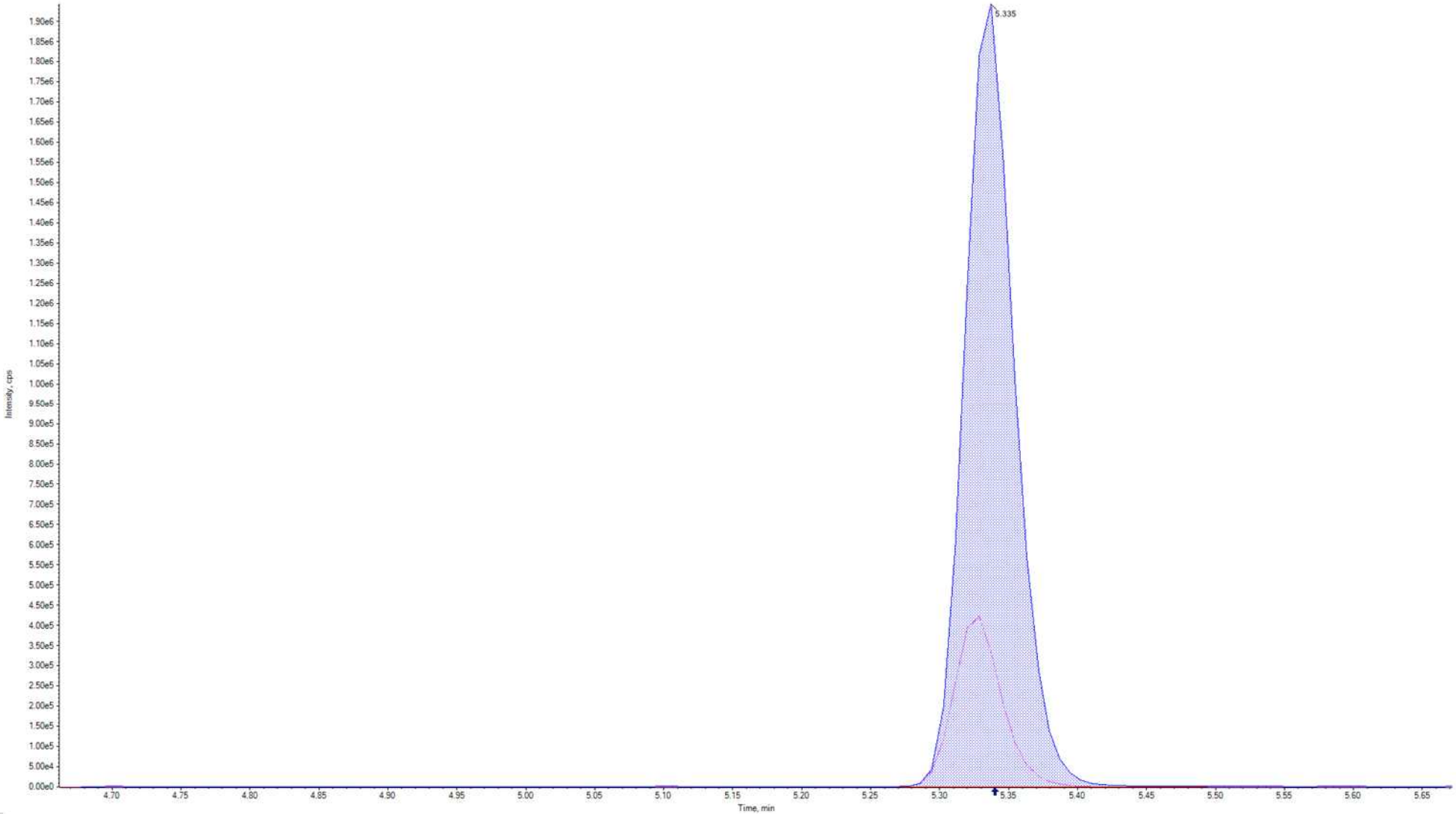
PFHxA
Sample: CA1633STD-10 S/N:1979.7 Points Across peak:30



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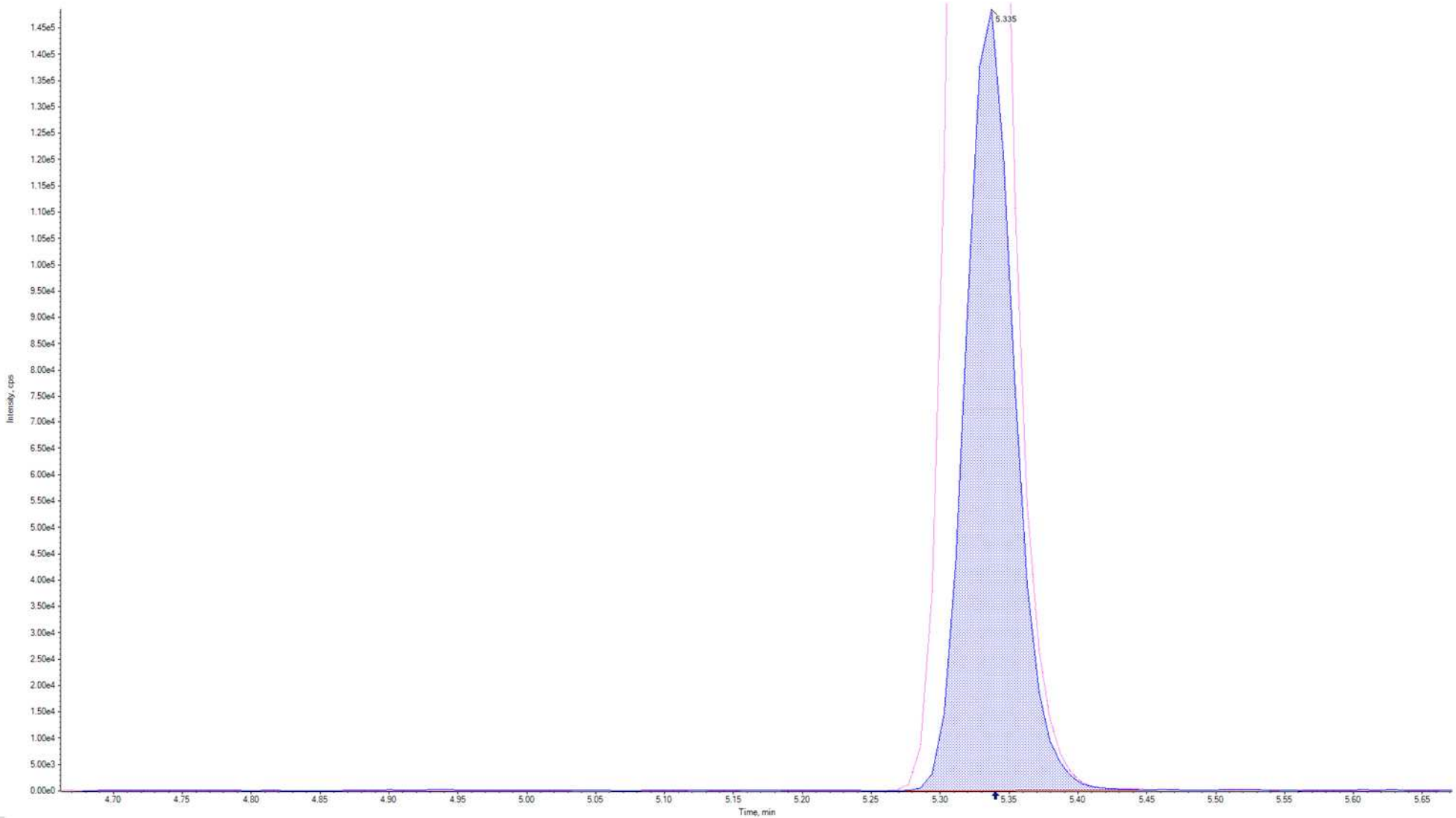
PFHxA_2
Sample: CA1633STD-10 S/N:2434.5 Points Across peak:24



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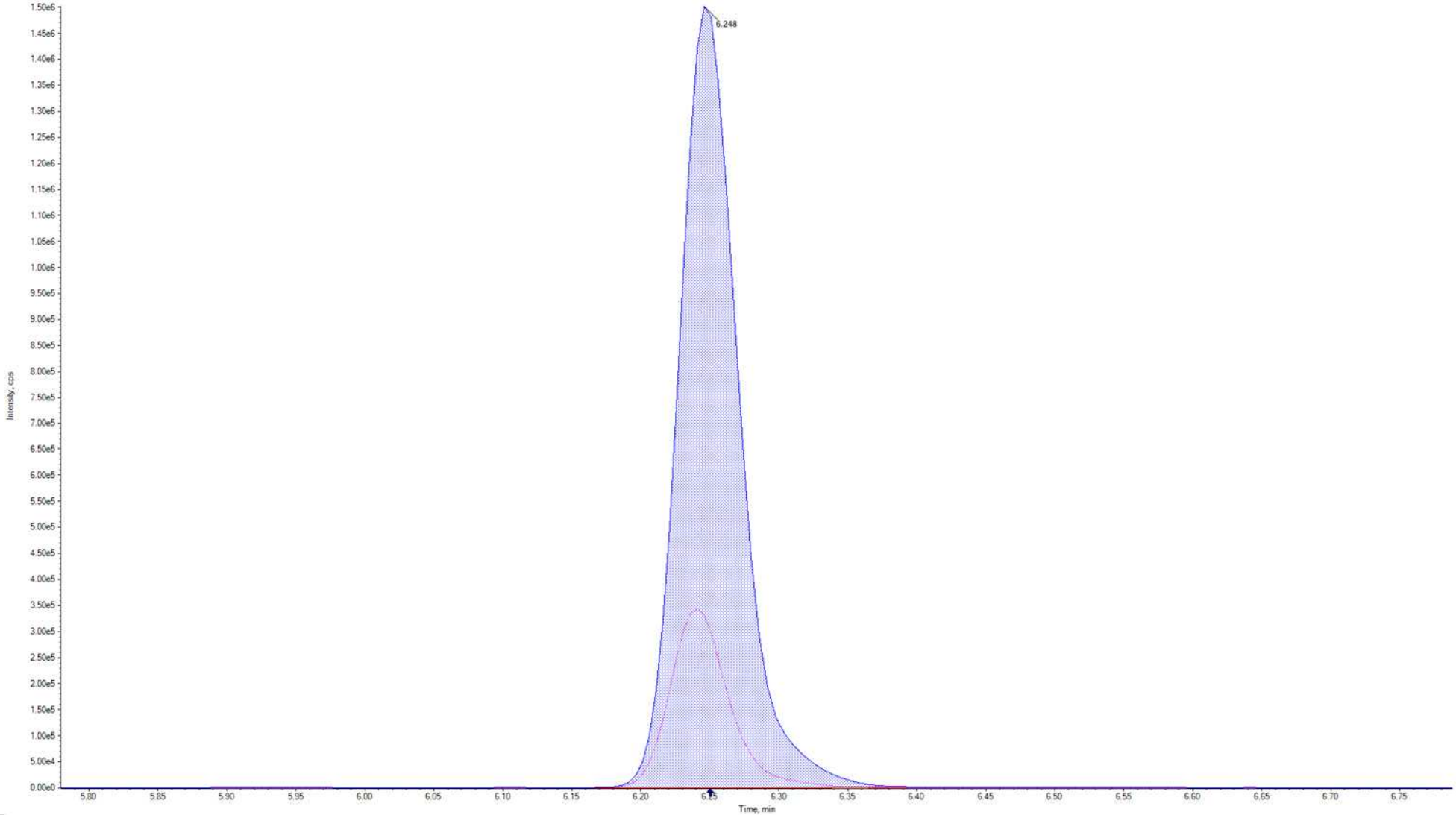
PFHpA
Sample: CA1633STD-10 S/N:4194.0 Points Across peak:55



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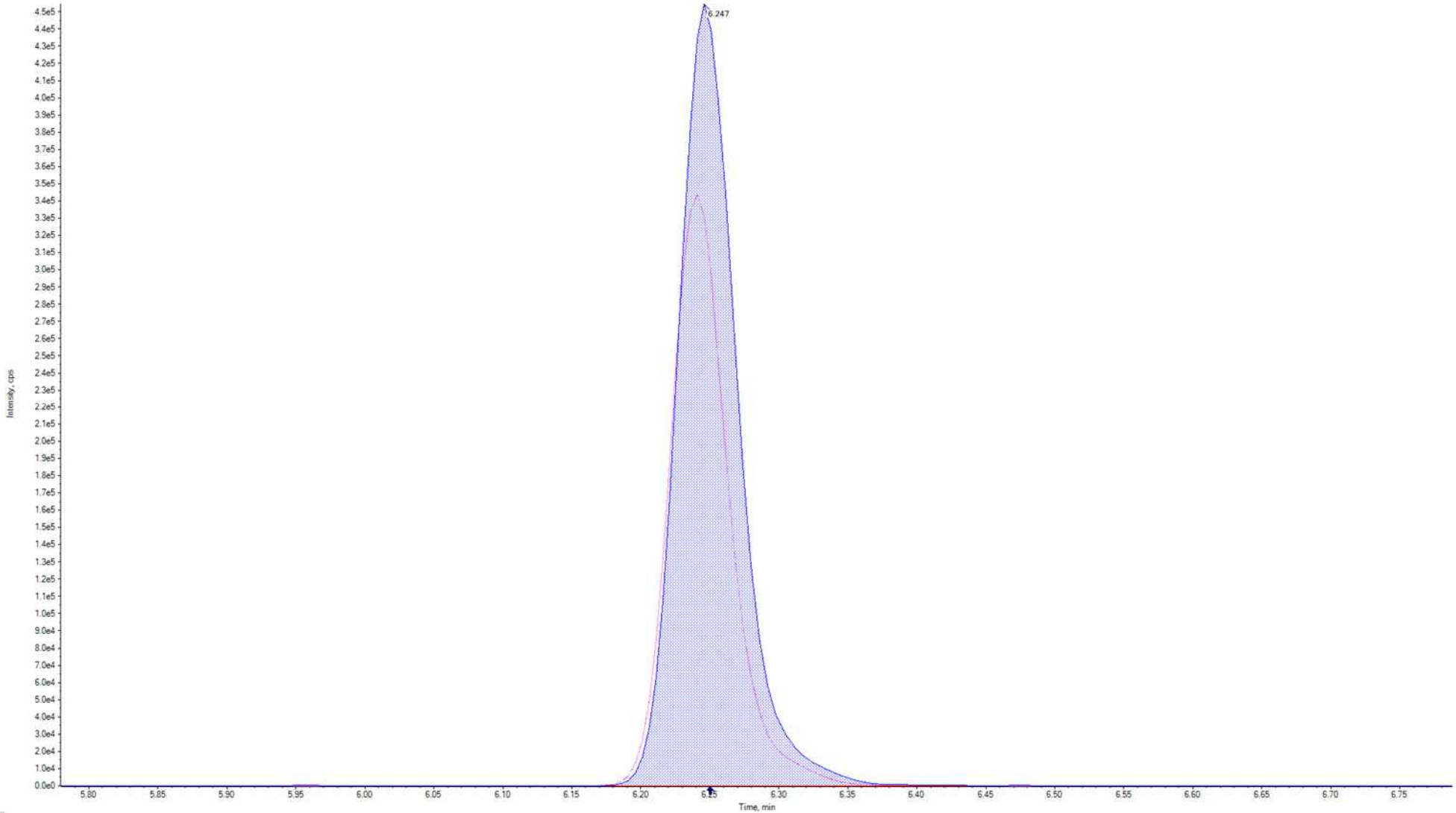
PFHpA_2
Sample: CA1633STD-10 S/N:20339.3 Points Across peak:52



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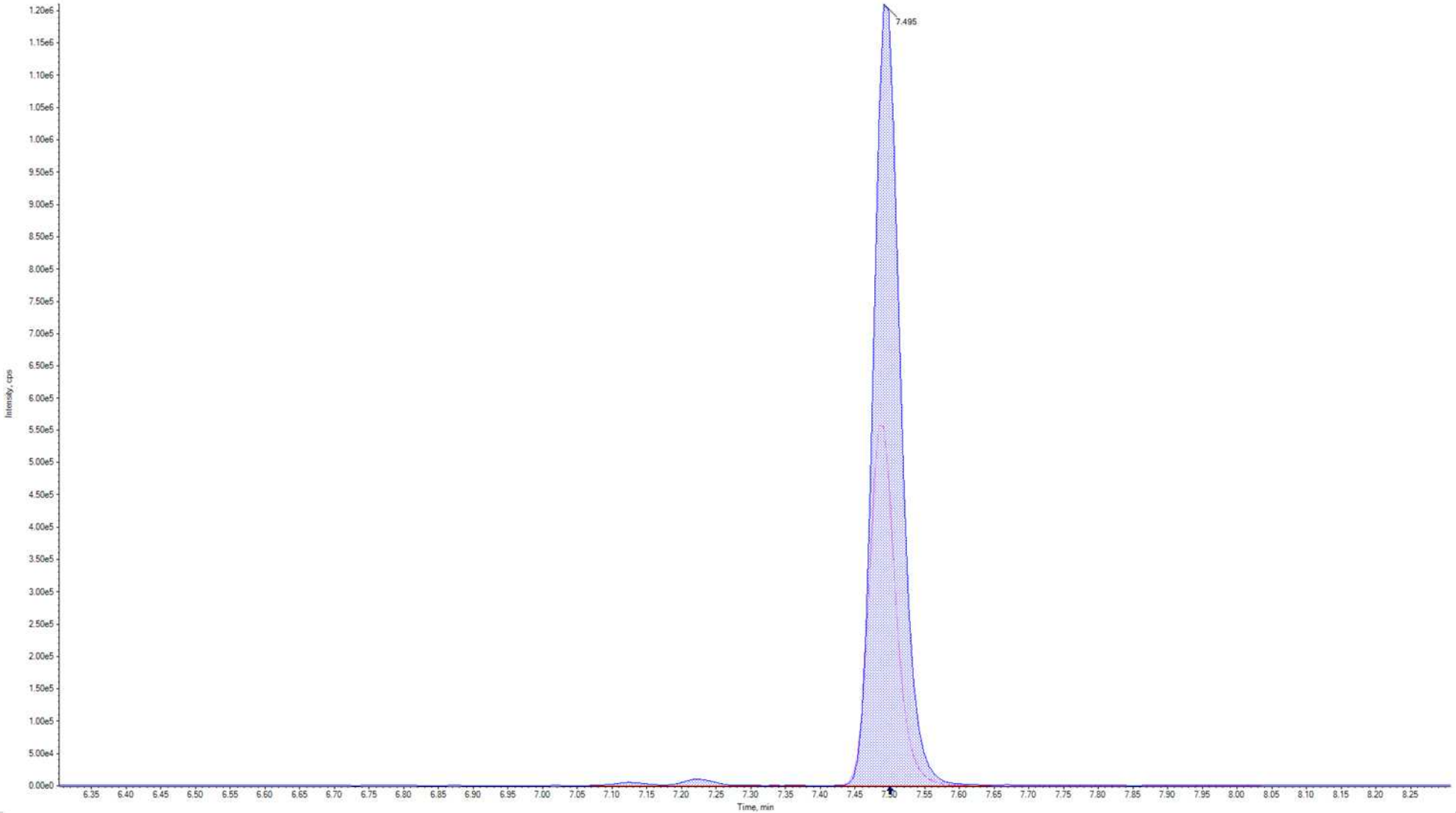
PFOA
Sample: CA1633STD-10 S/N:5303.8 Points Across peak:98



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
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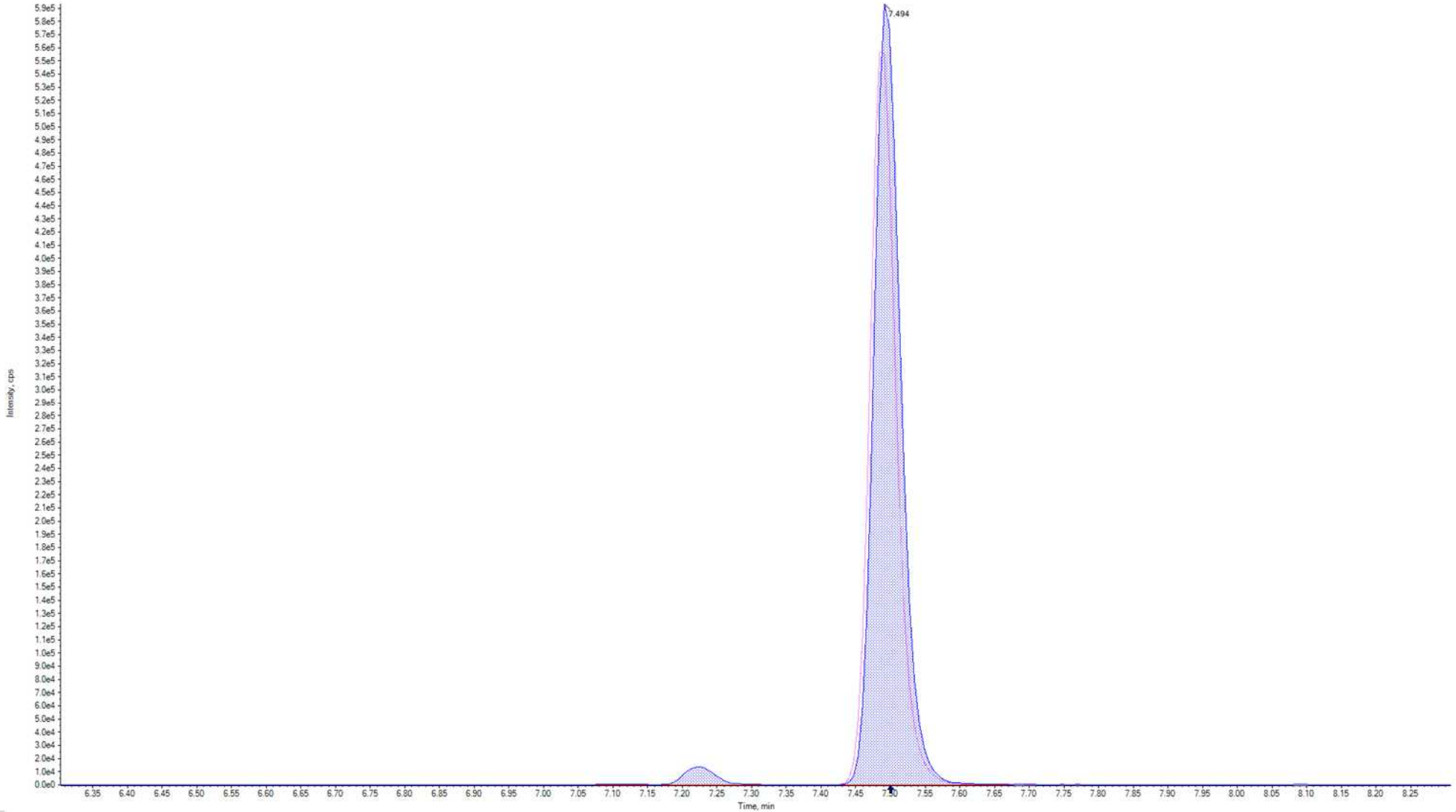
PFOA_2
Sample: CA1633STD-10 S/N:109559.1 Points Across peak:106



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Alpha Analytical Inc.
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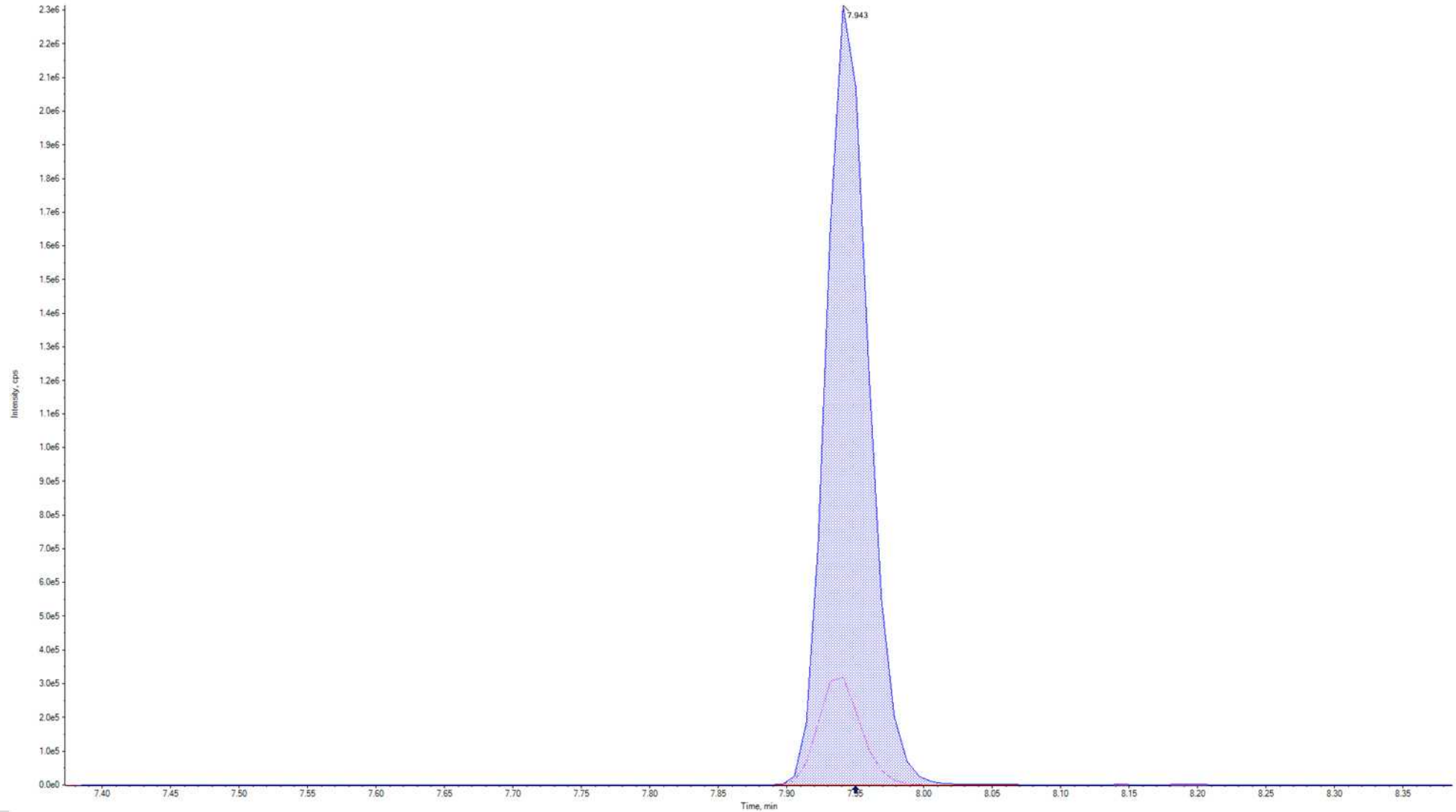
PFNA
Sample: CA1633STD-10 S/N:5100.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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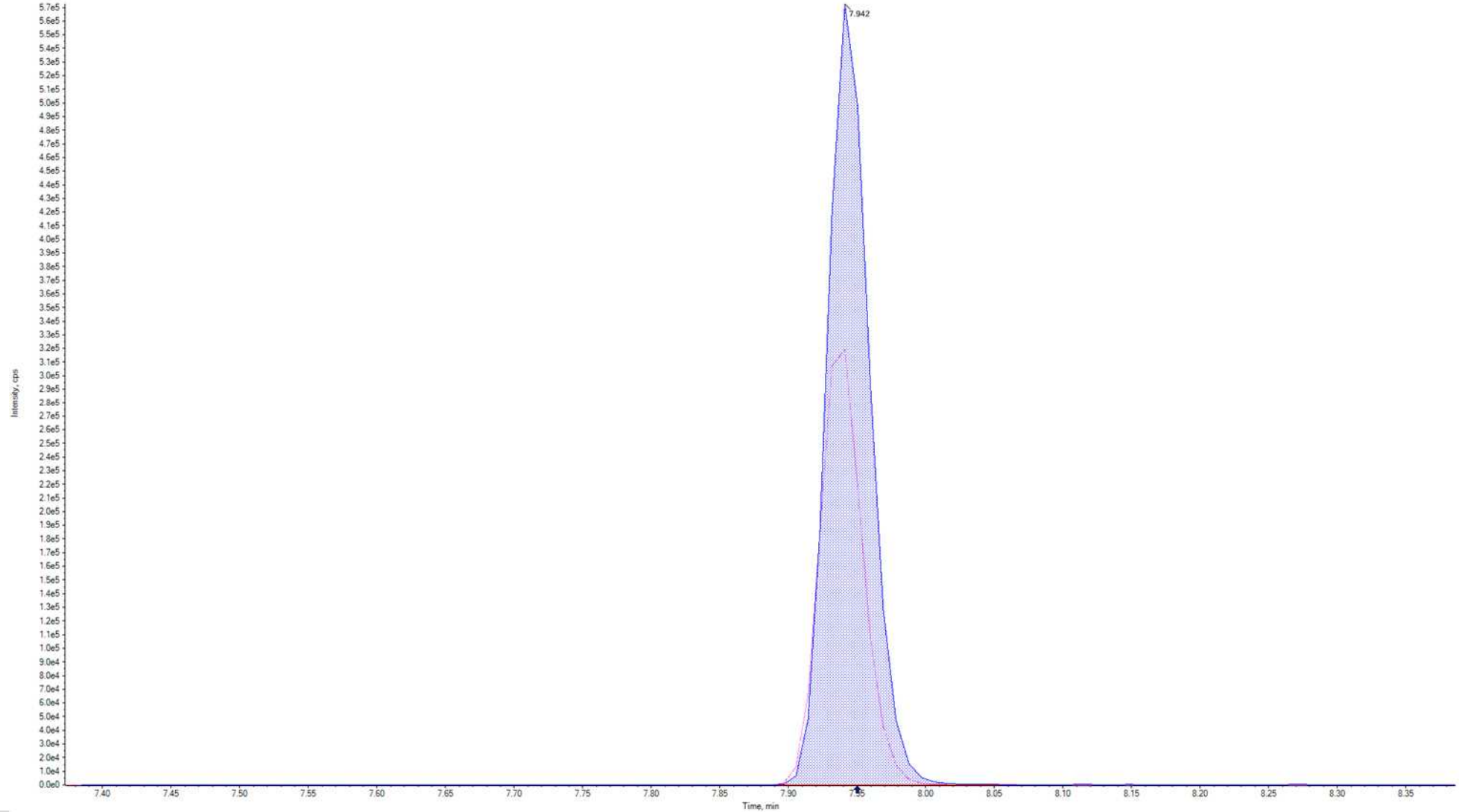
PFNA_2
Sample: CA1633STD-10 S/N:4803.0 Points Across peak:24



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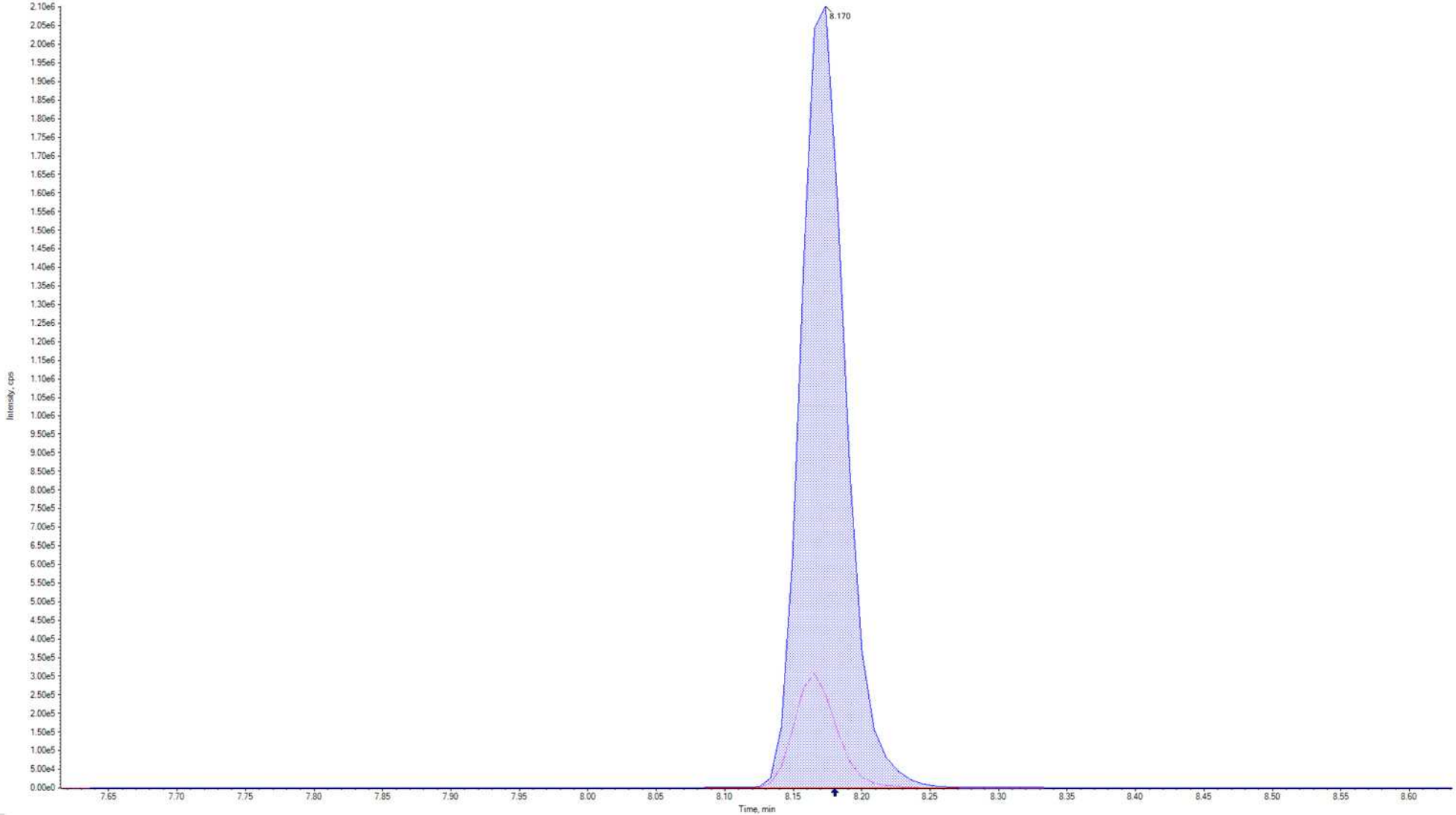
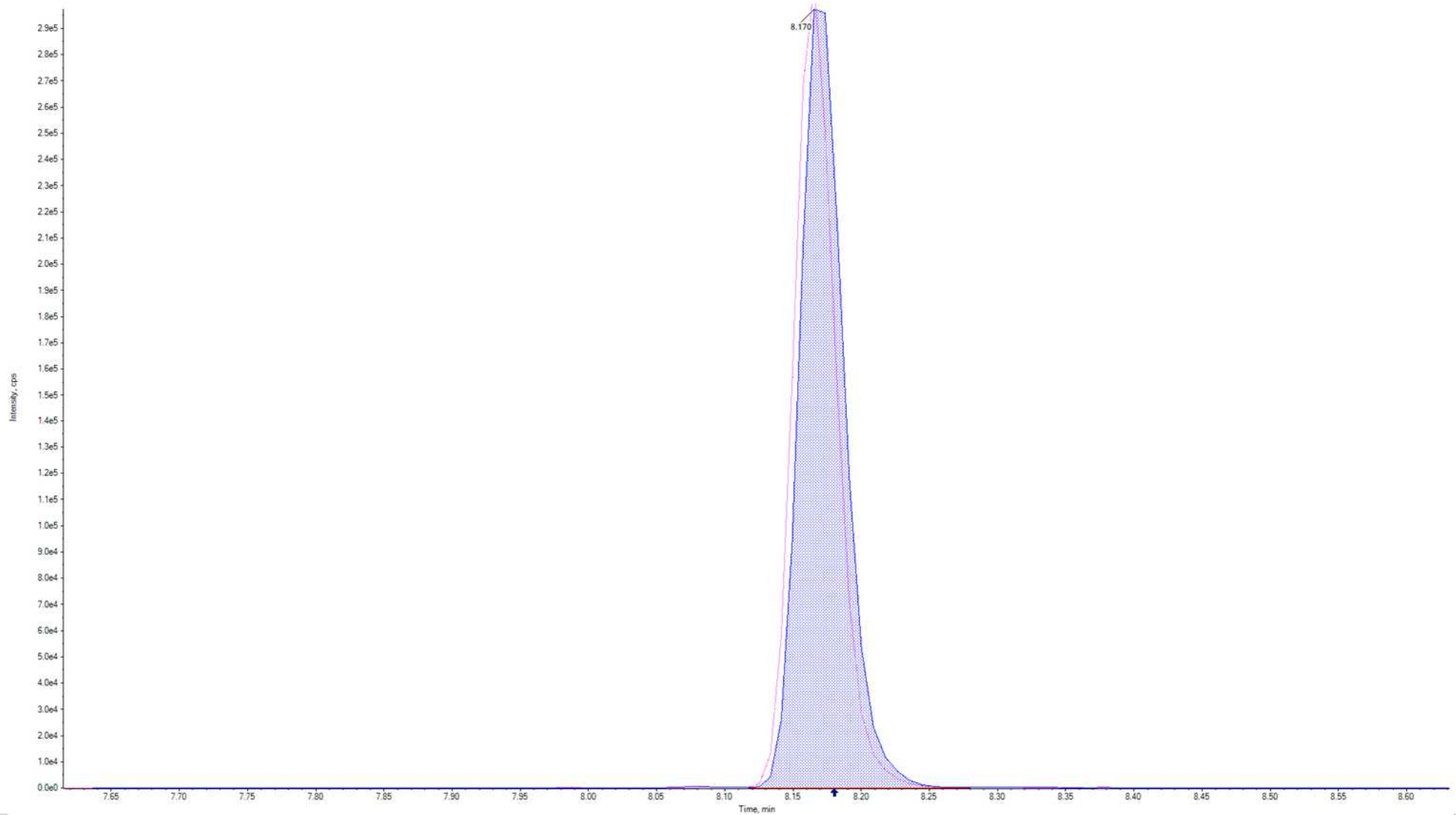
Generated: 8/14/2024 9:40:32 AM

PFDA
Sample: CA1633STD-10 S/N:4327.3 Points Across peak:26



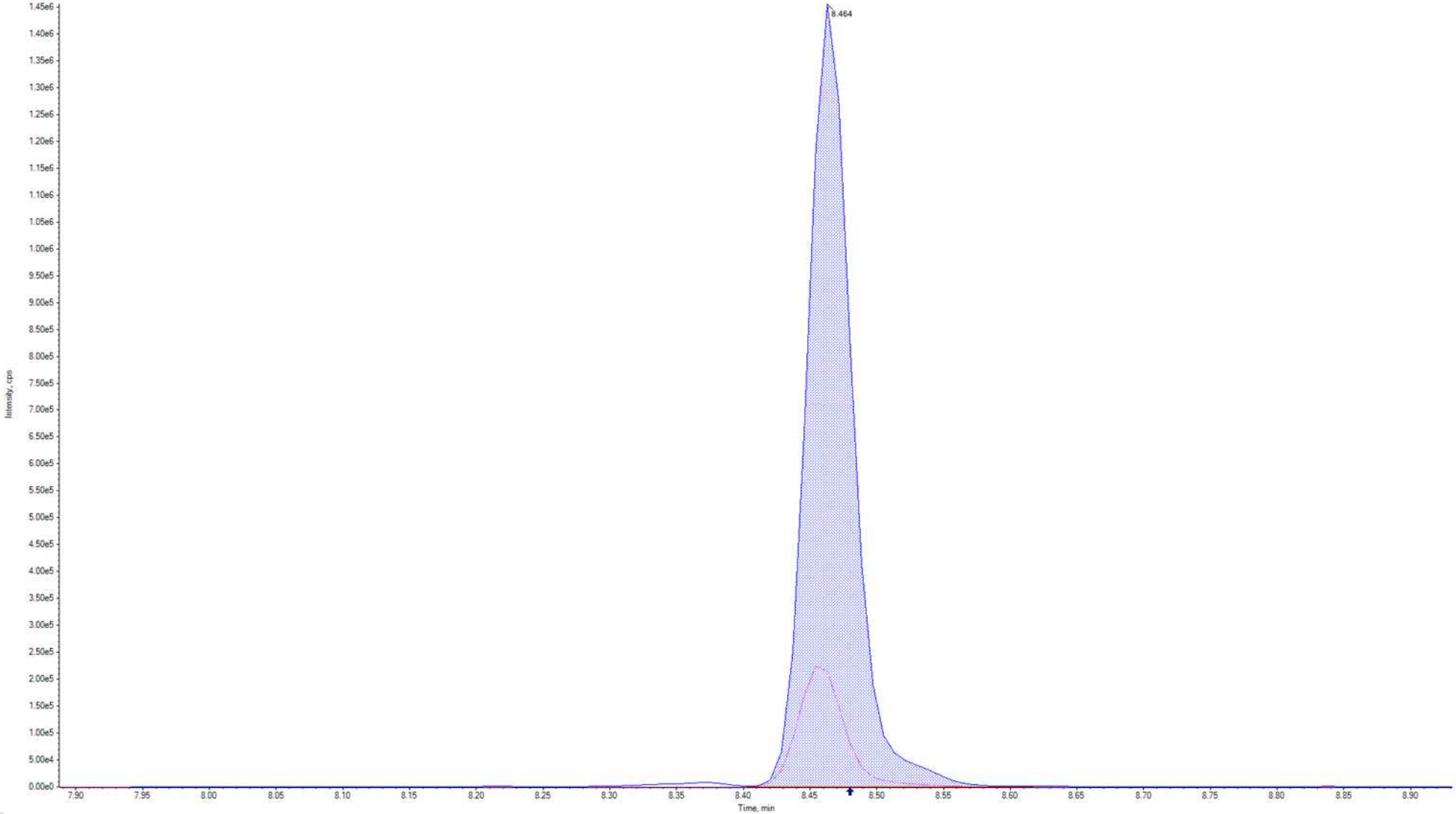
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDA_2
Sample: CA1633STD-10 S/N:20974326.7 Points Across peak:20



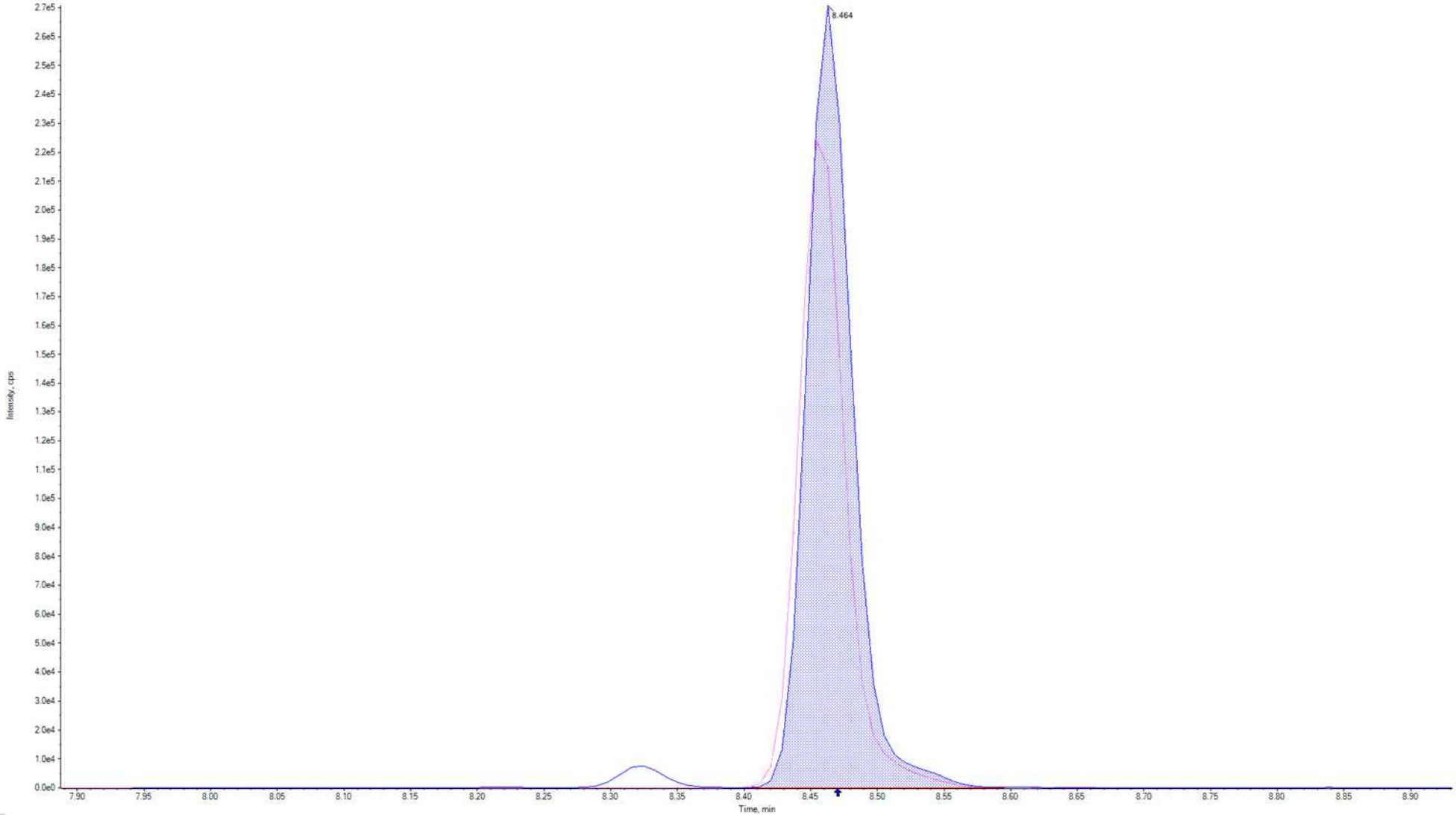
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFUnA
Sample: CA1633STD-10 S/N:4789.0 Points Across peak:28



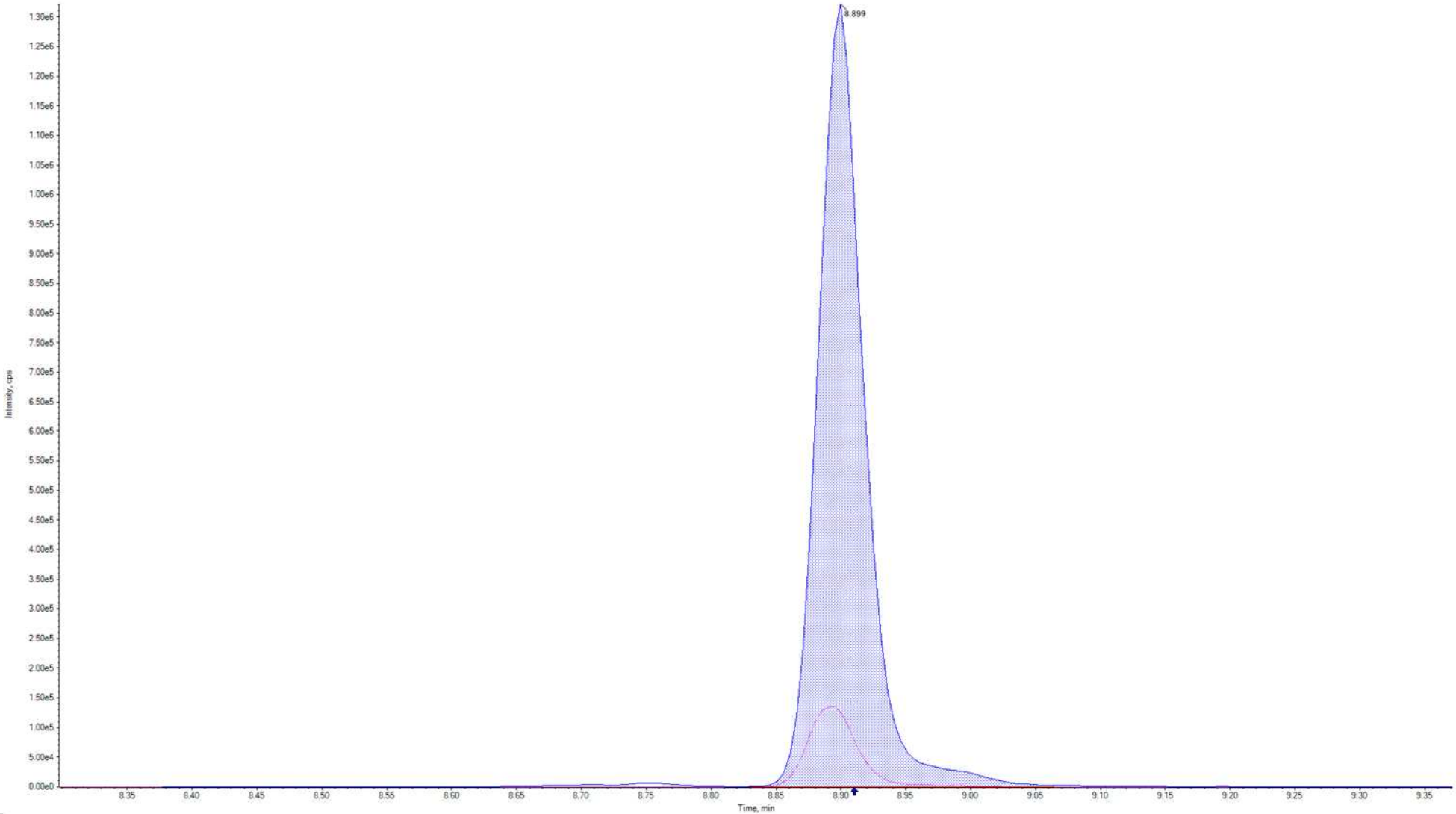
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFUnA_2
Sample: CA1633STD-10 S/N:2054.6 Points Across peak:26



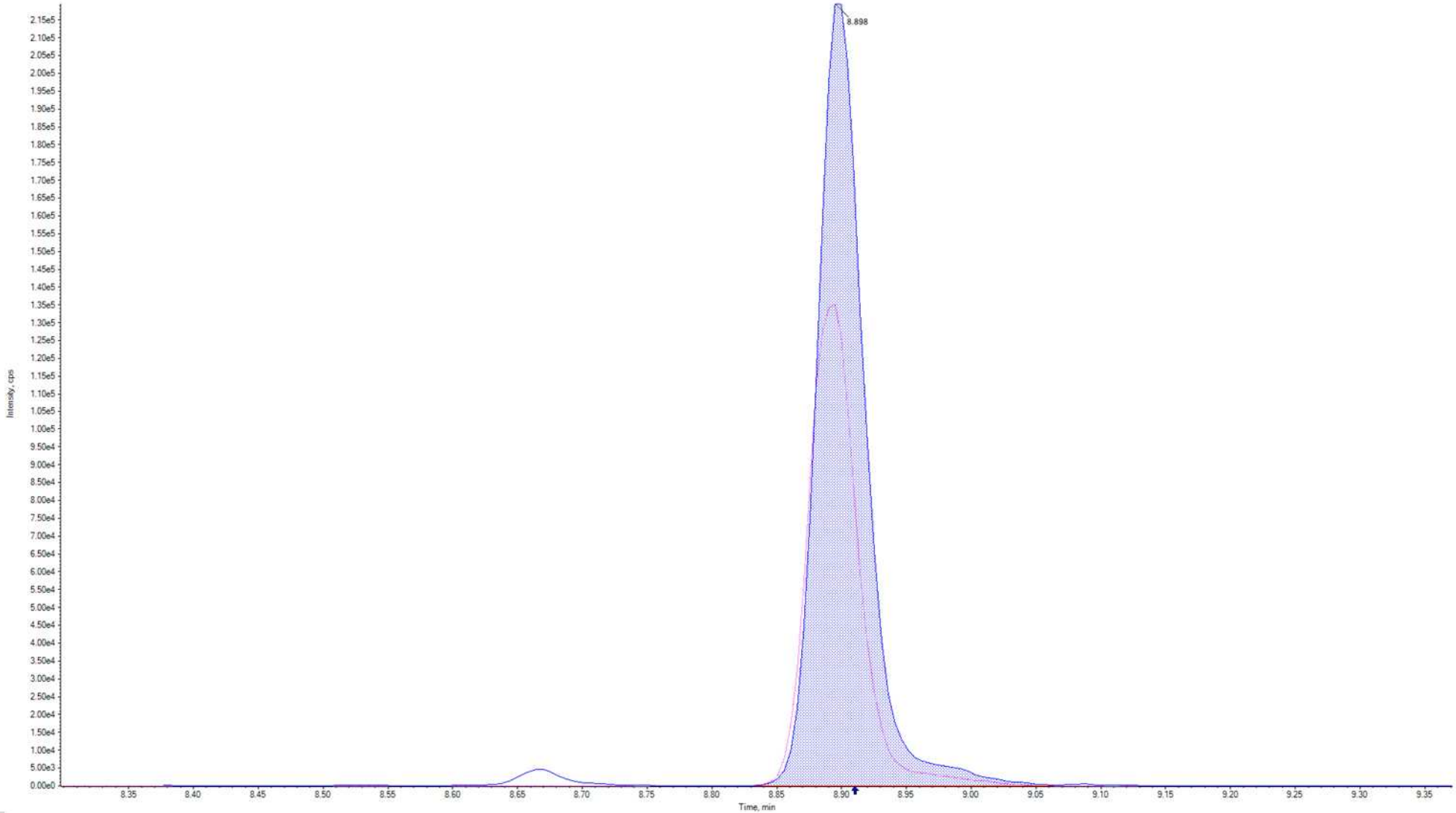
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoA
Sample: CA1633STD-10 S/N:5516.4 Points Across peak:49



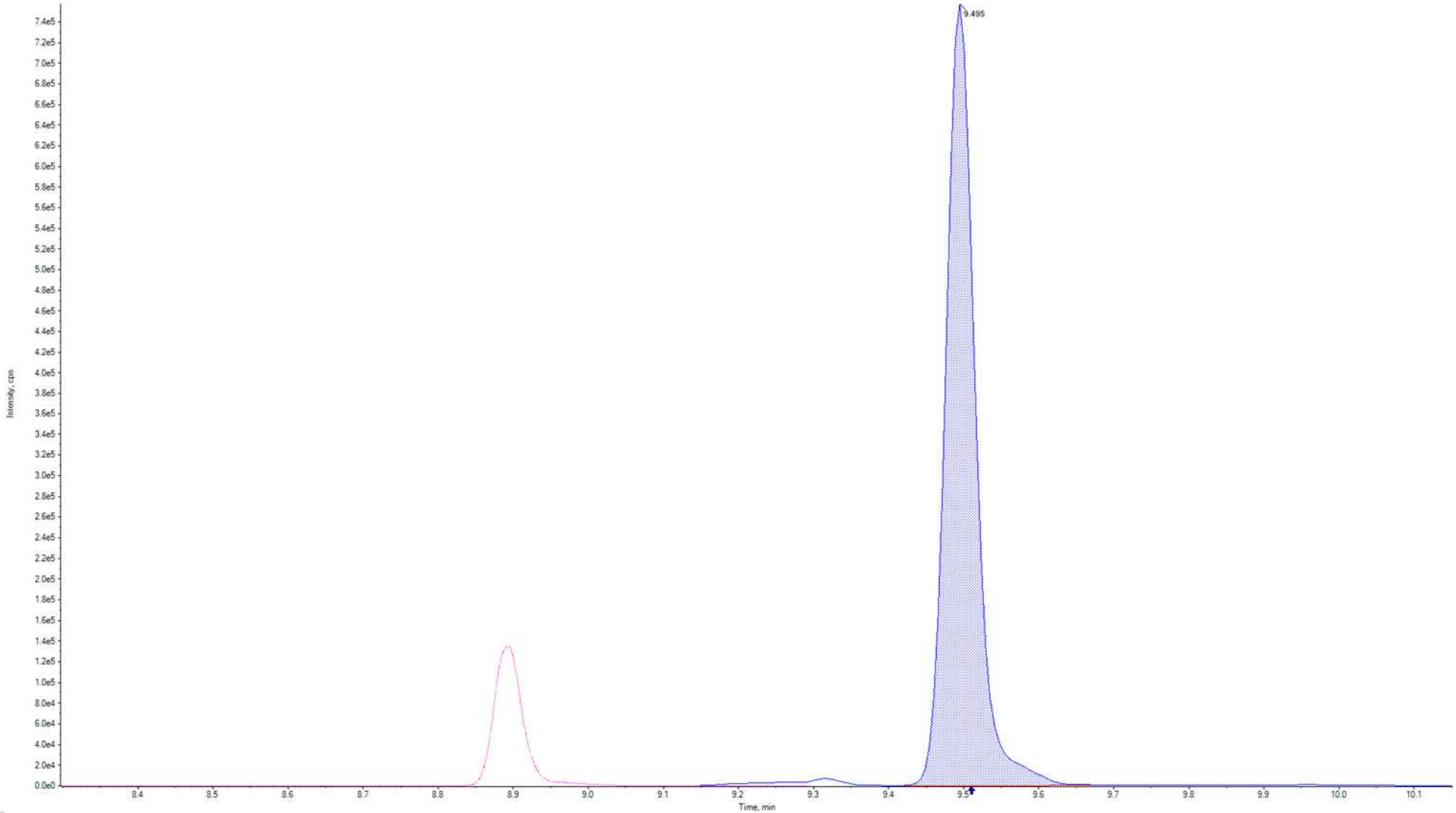
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoA_2
Sample: CA1633STD-10 S/N:27837.4 Points Across peak:48



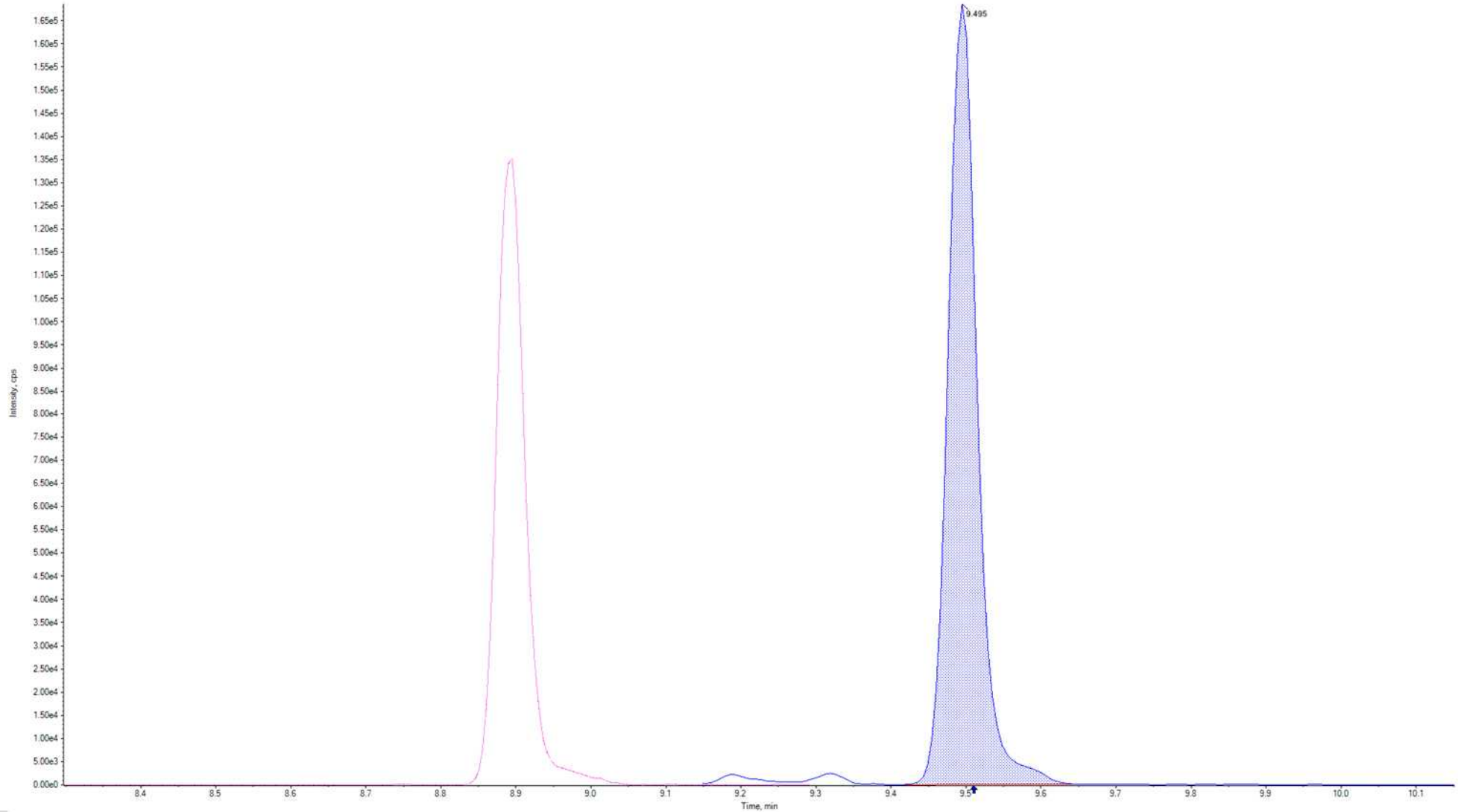
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA
Sample: CA1633STD-10 S/N:2826.9 Points Across peak:52



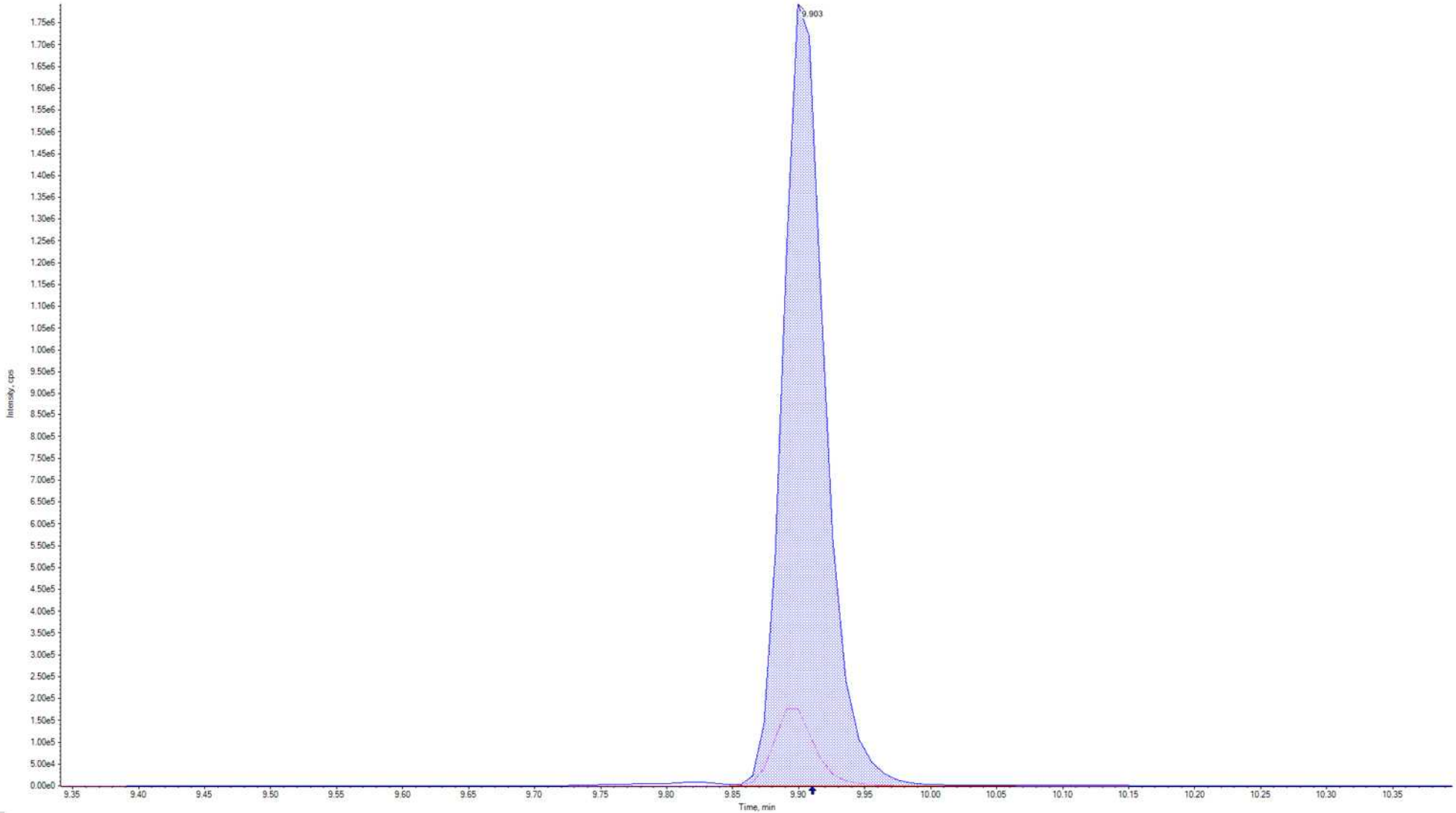
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA_2
Sample: CA1633STD-10 S/N:11826.6 Points Across peak:39



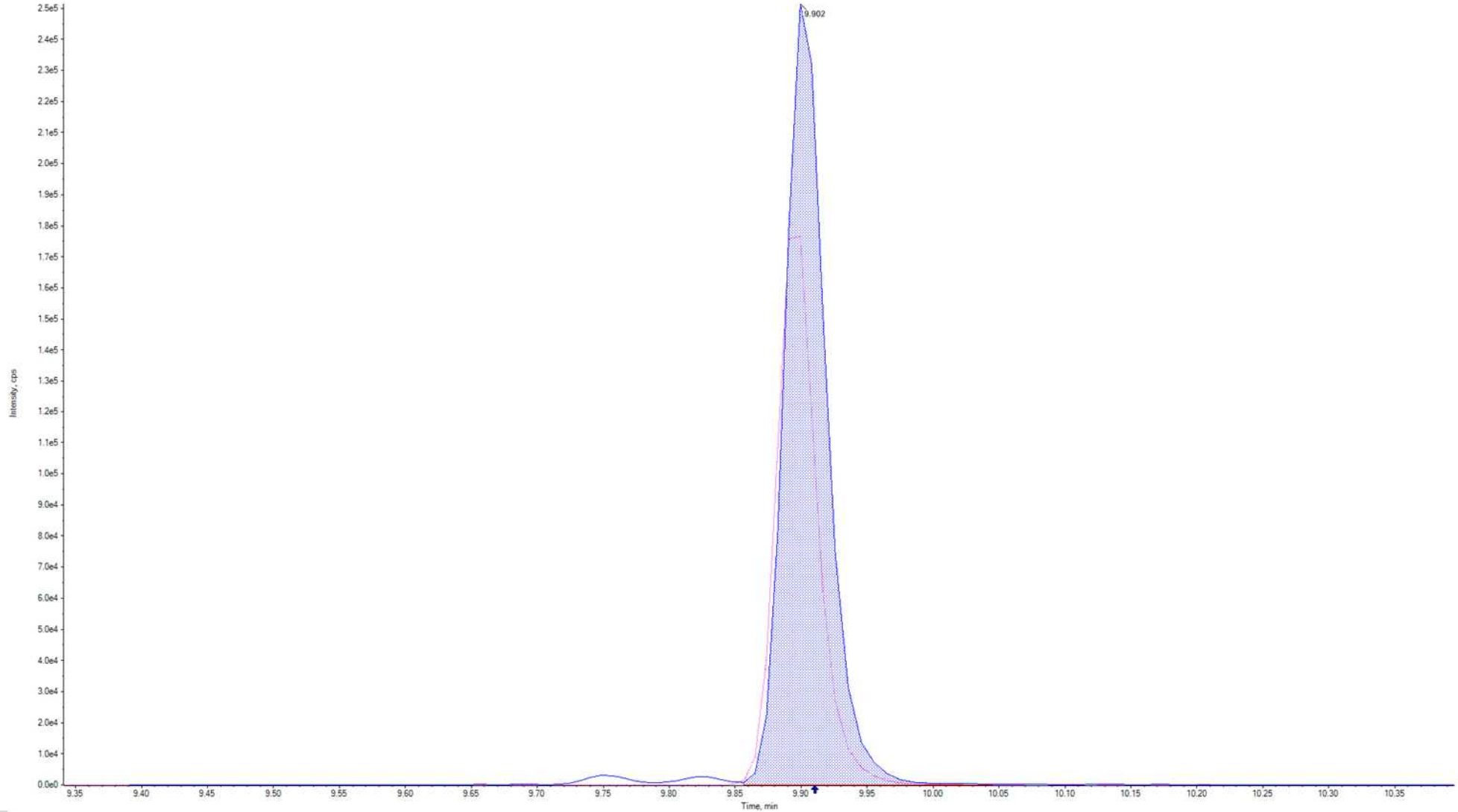
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA
Sample: CA1633STD-10 S/N:4428.5 Points Across peak:24



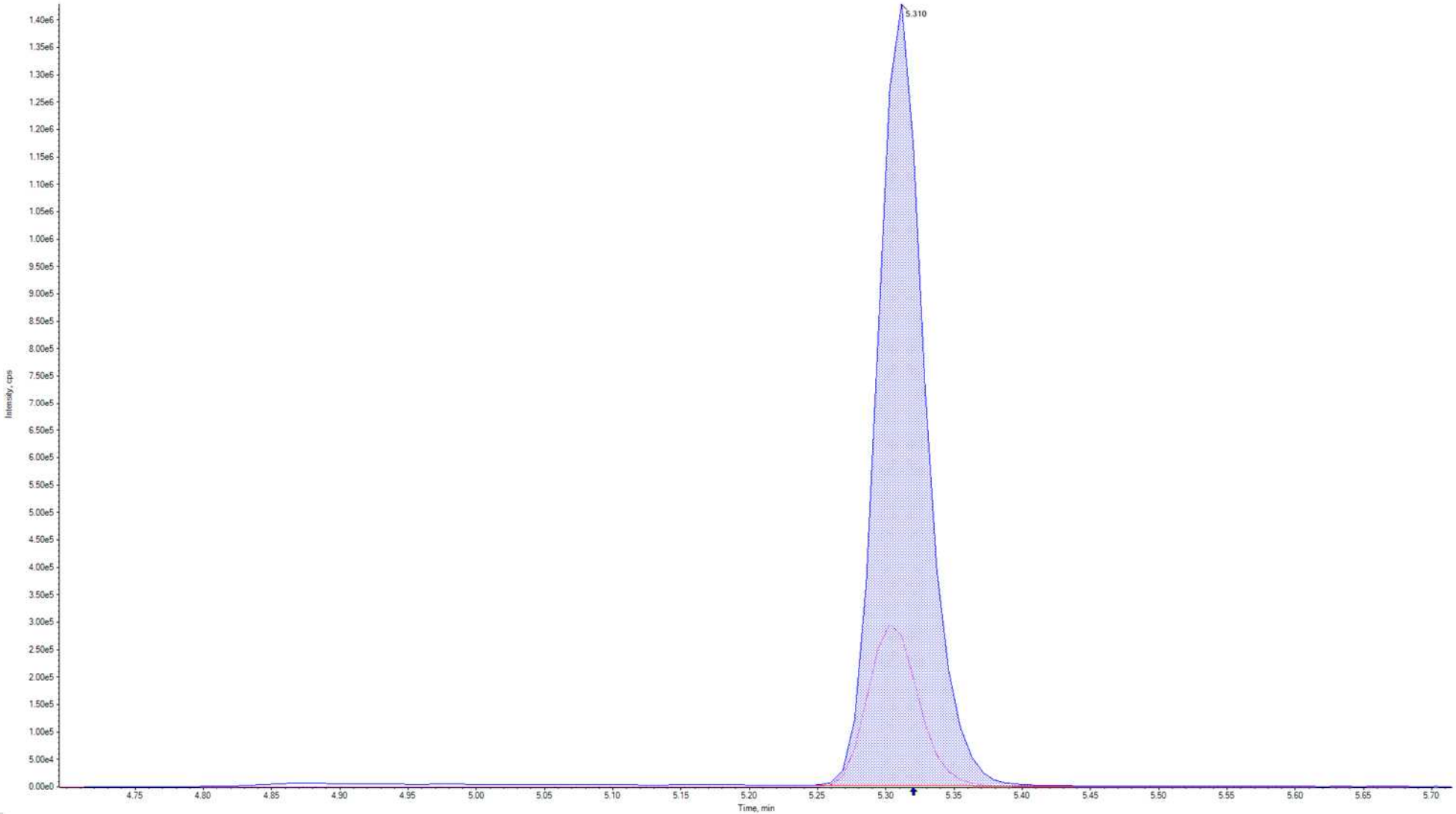
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA_2
Sample: CA1633STD-10 S/N:1673093.3 Points Across peak:21



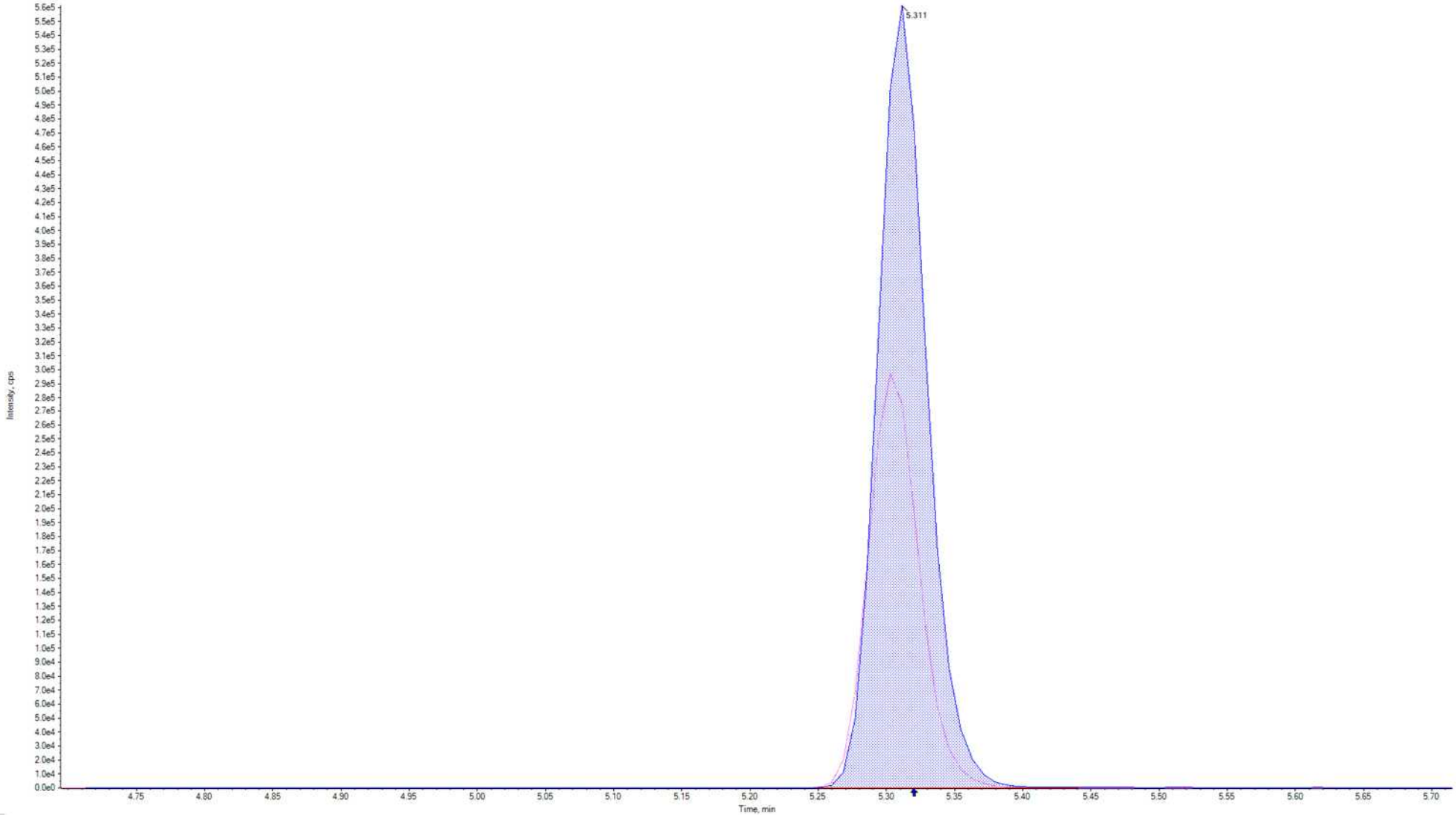
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS
Sample: CA1633STD-10 S/N:63.8 Points Across peak:31



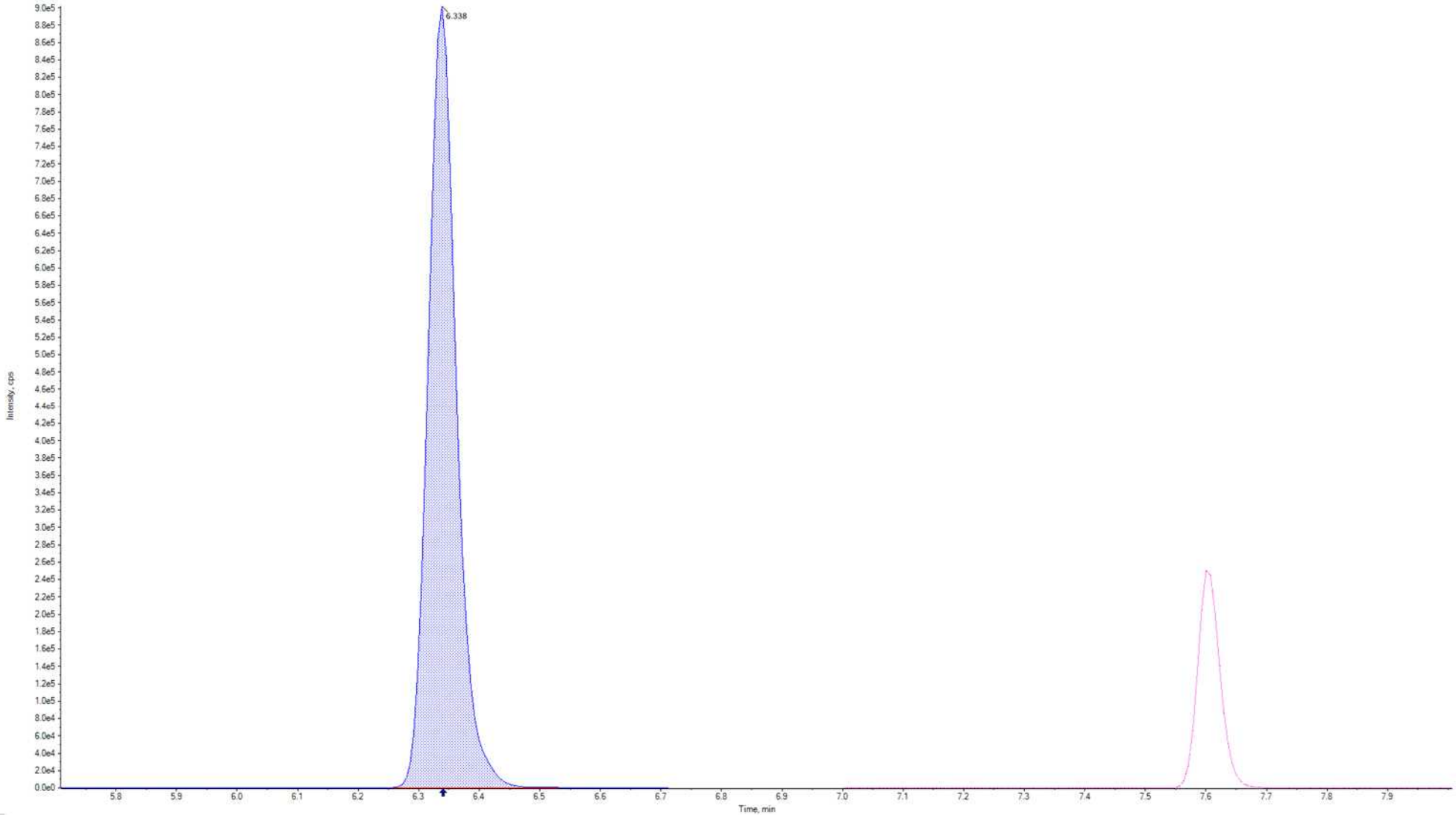
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS_2
Sample: CA1633STD-10 S/N:5797.7 Points Across peak:29



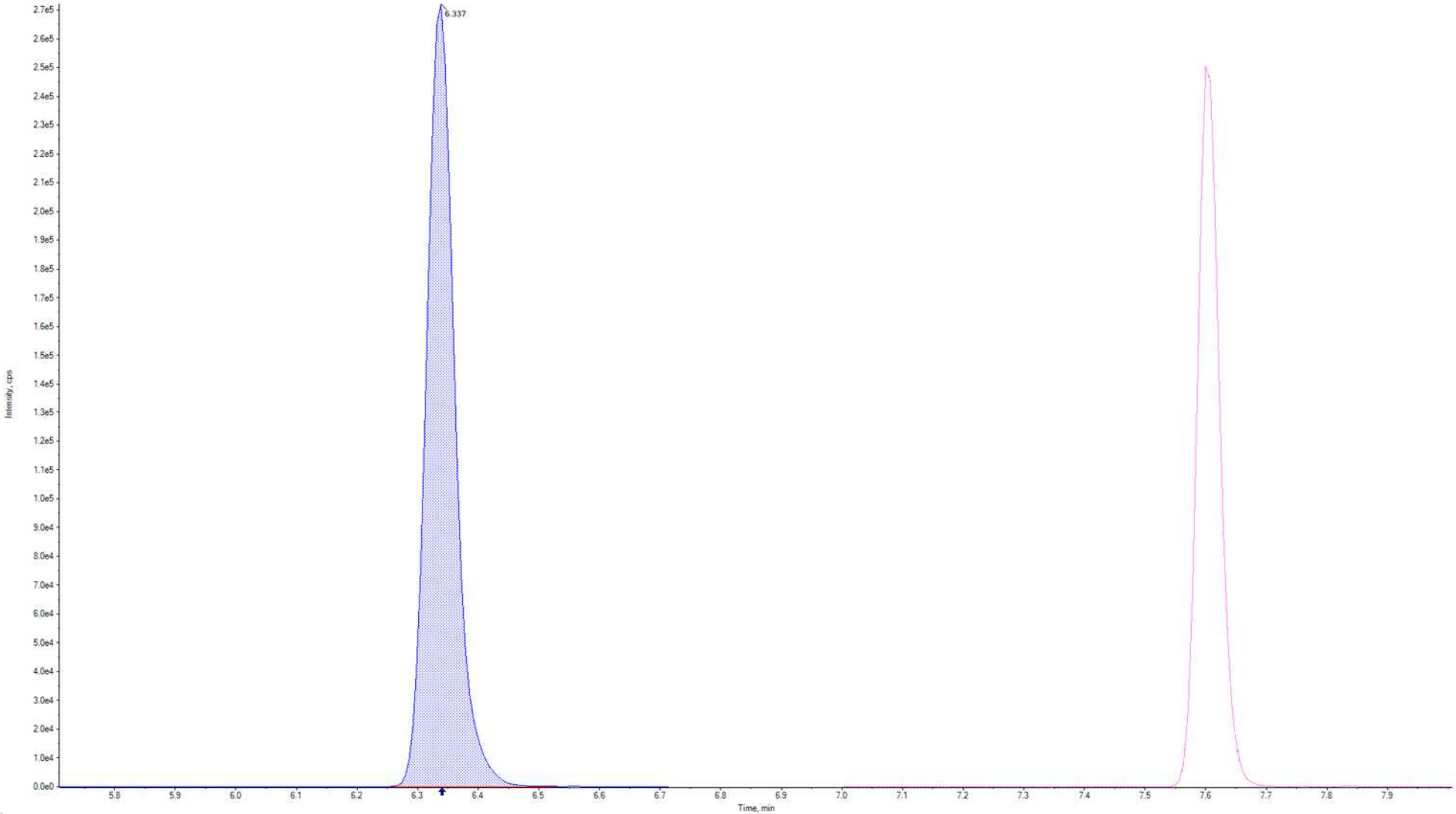
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS
Sample: CA1633STD-10 S/N:14664.2 Points Across peak:53



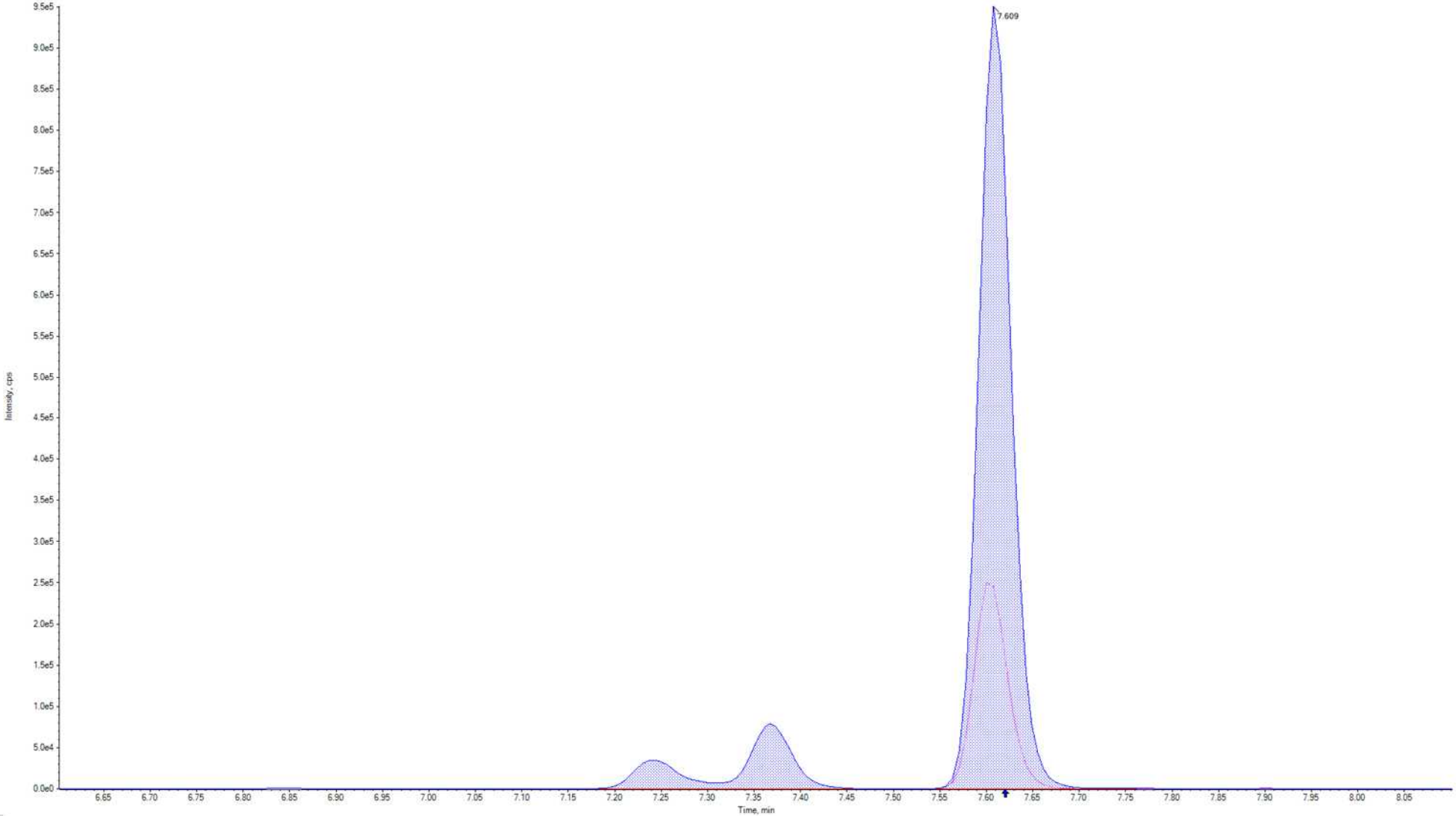
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS_2
Sample: CA1633STD-10 S/N:20084.9 Points Across peak:45



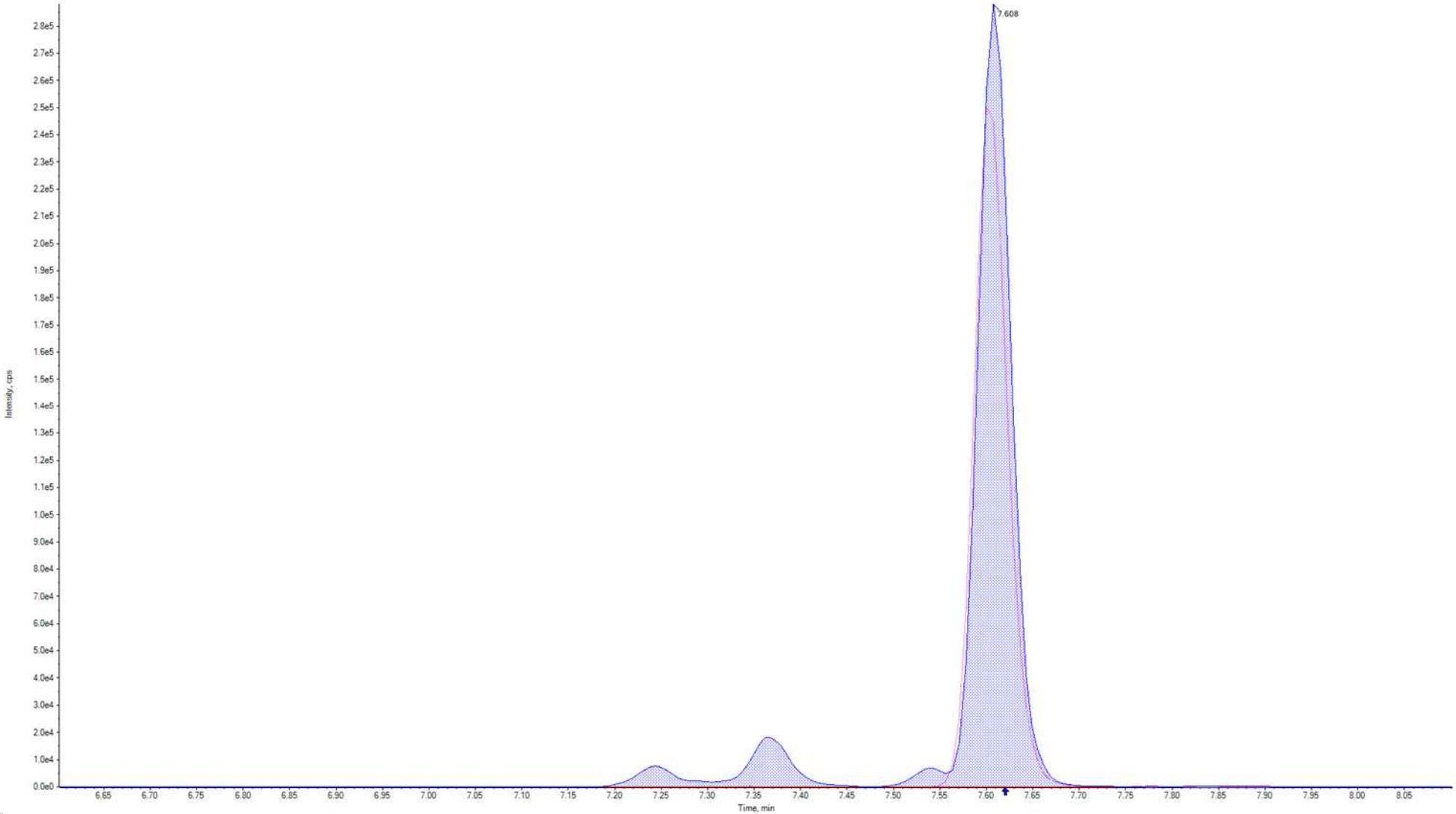
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS
Sample: CA1633STD-10 S/N:18283.3 Points Across peak:96



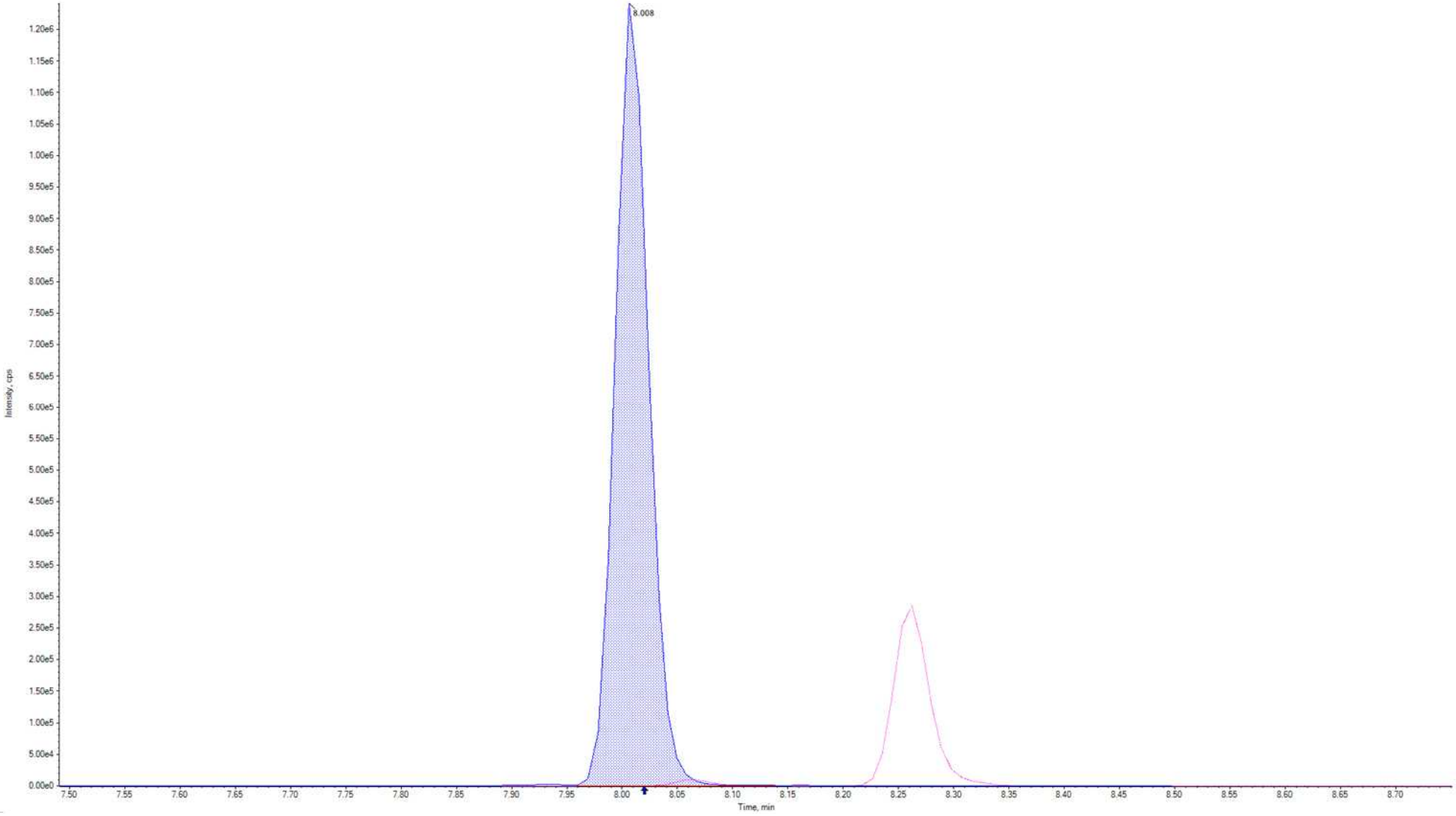
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS_2
Sample: CA1633STD-10 S/N:2847794.3 Points Across peak:95



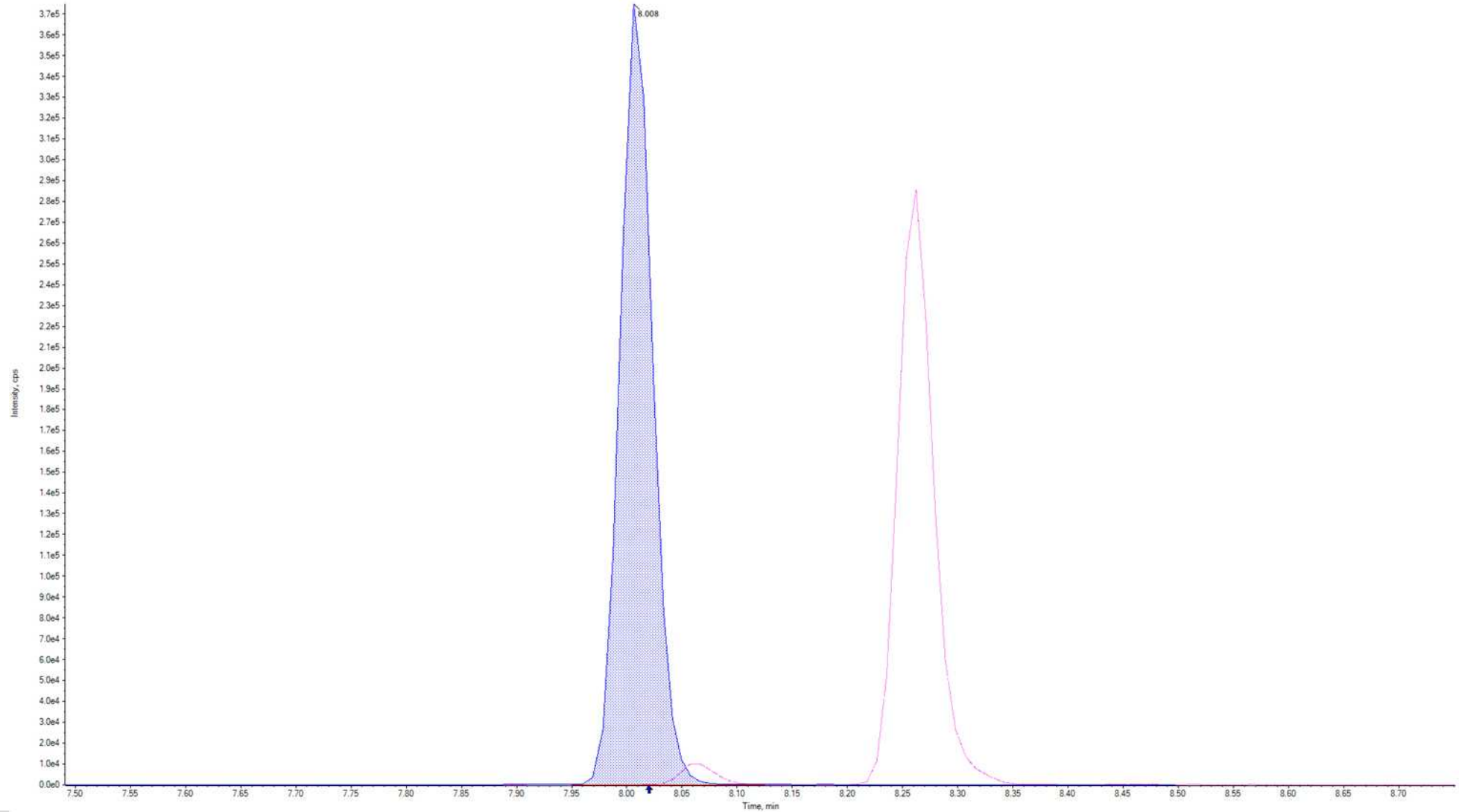
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS
Sample: CA1633STD-10 S/N:30011.9 Points Across peak:23



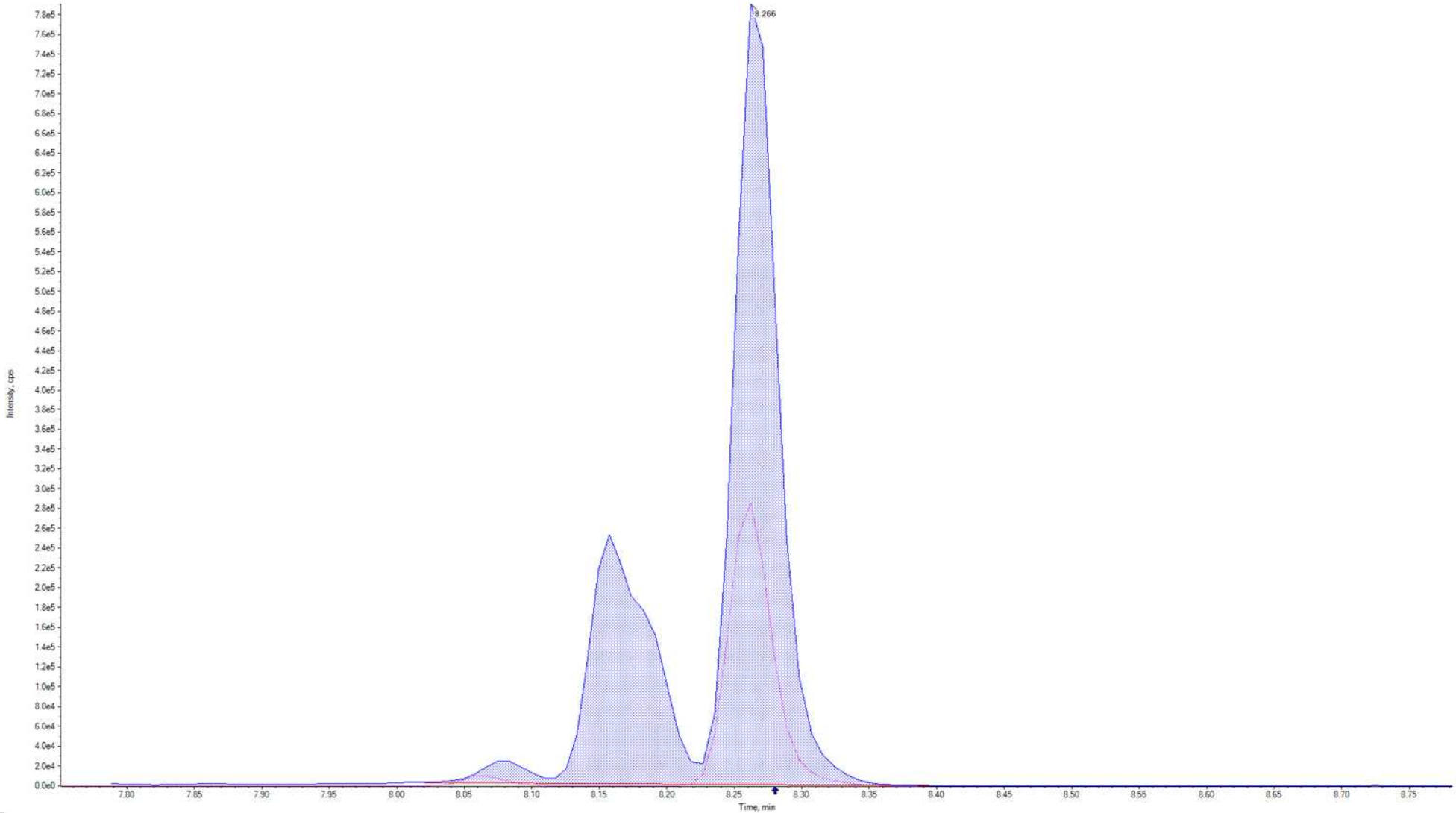
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS_2
Sample: CA1633STD-10 S/N:2290.8 Points Across peak:21



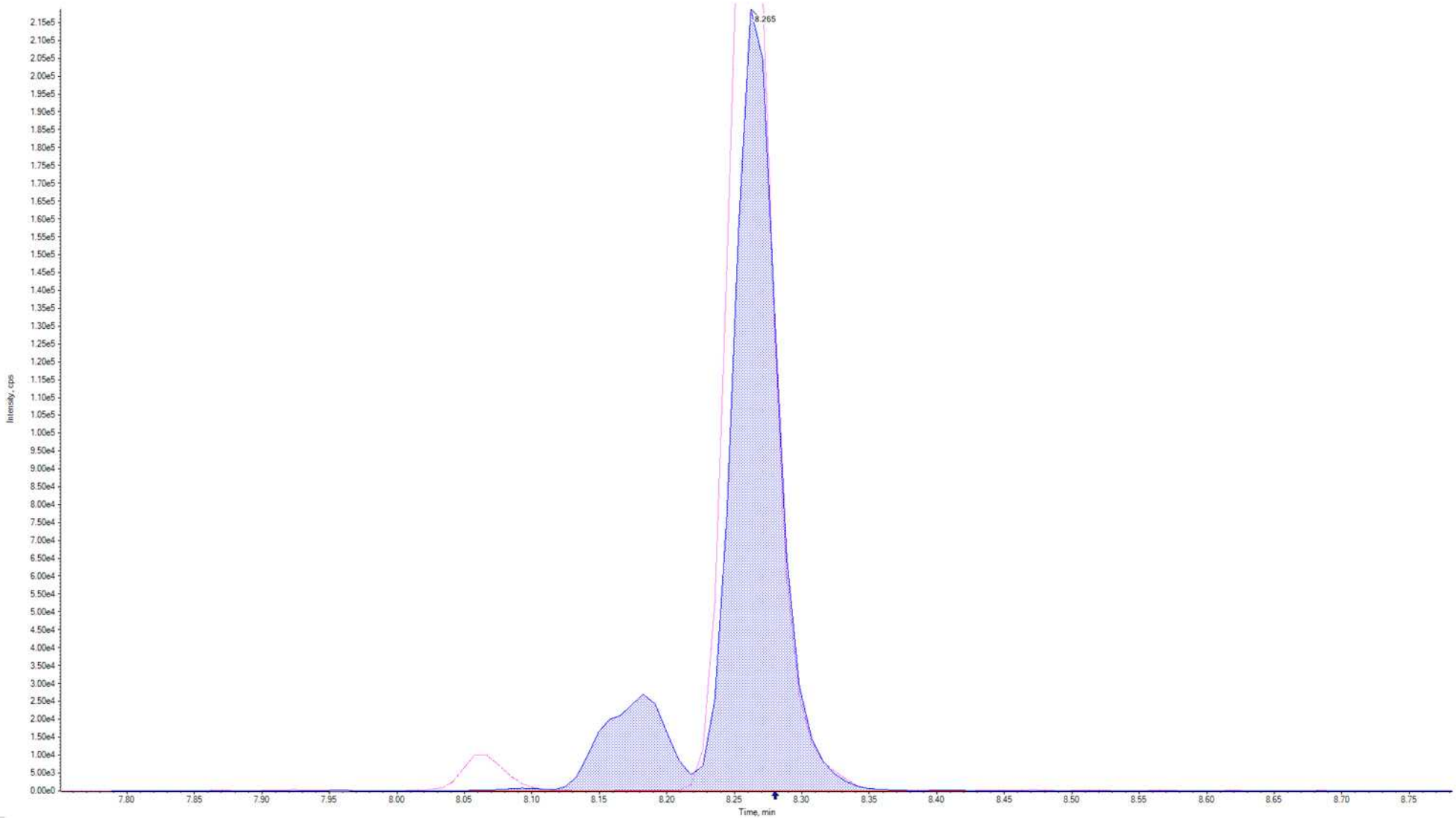
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS
Sample: CA1633STD-10 S/N:2268.9 Points Across peak:45



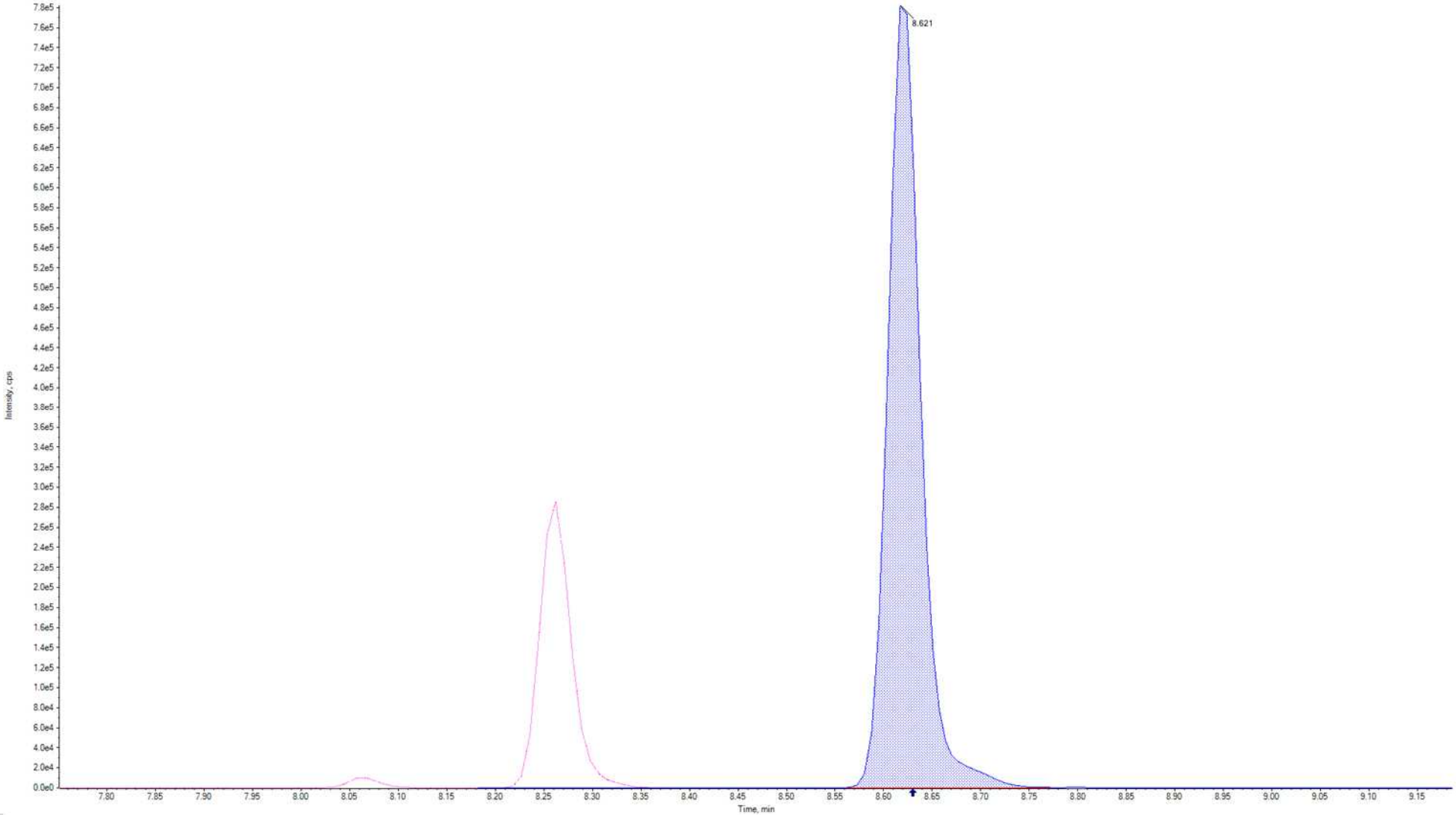
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS_2
Sample: CA1633STD-10 S/N:1865.7 Points Across peak:49



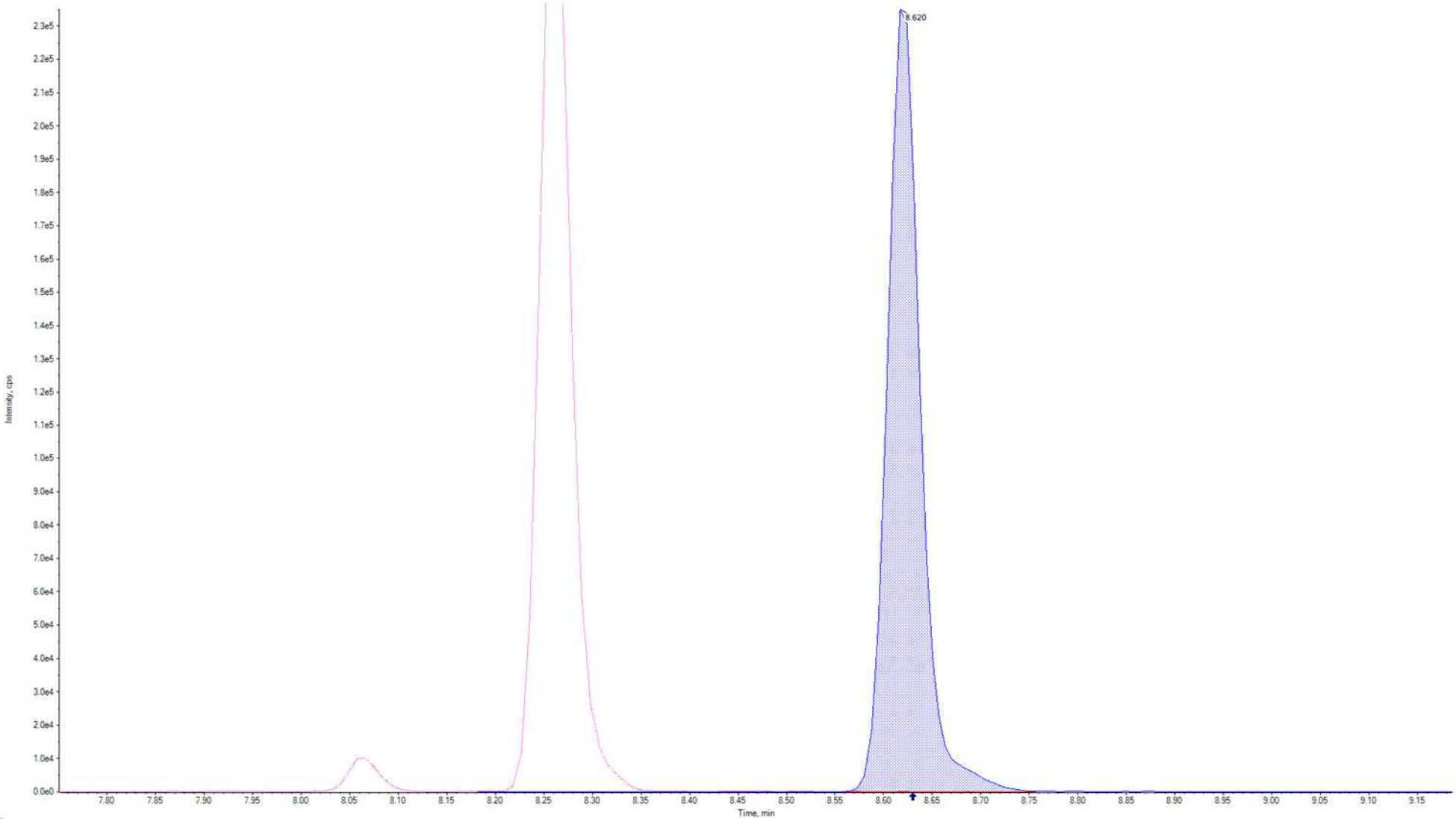
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS
Sample: CA1633STD-10 S/N:11818.0 Points Across peak:37



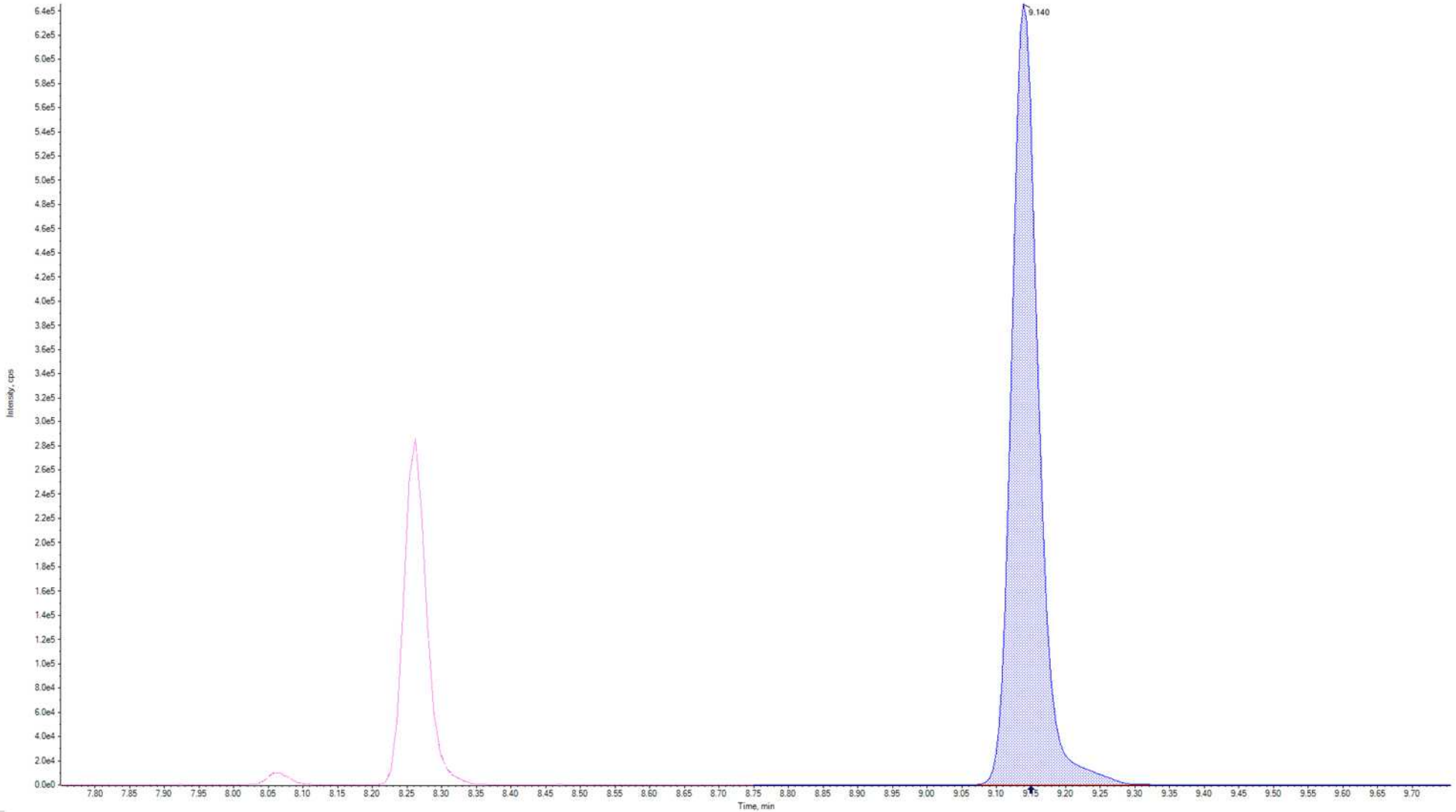
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS_2
Sample: CA1633STD-10 S/N:7253.3 Points Across peak:35



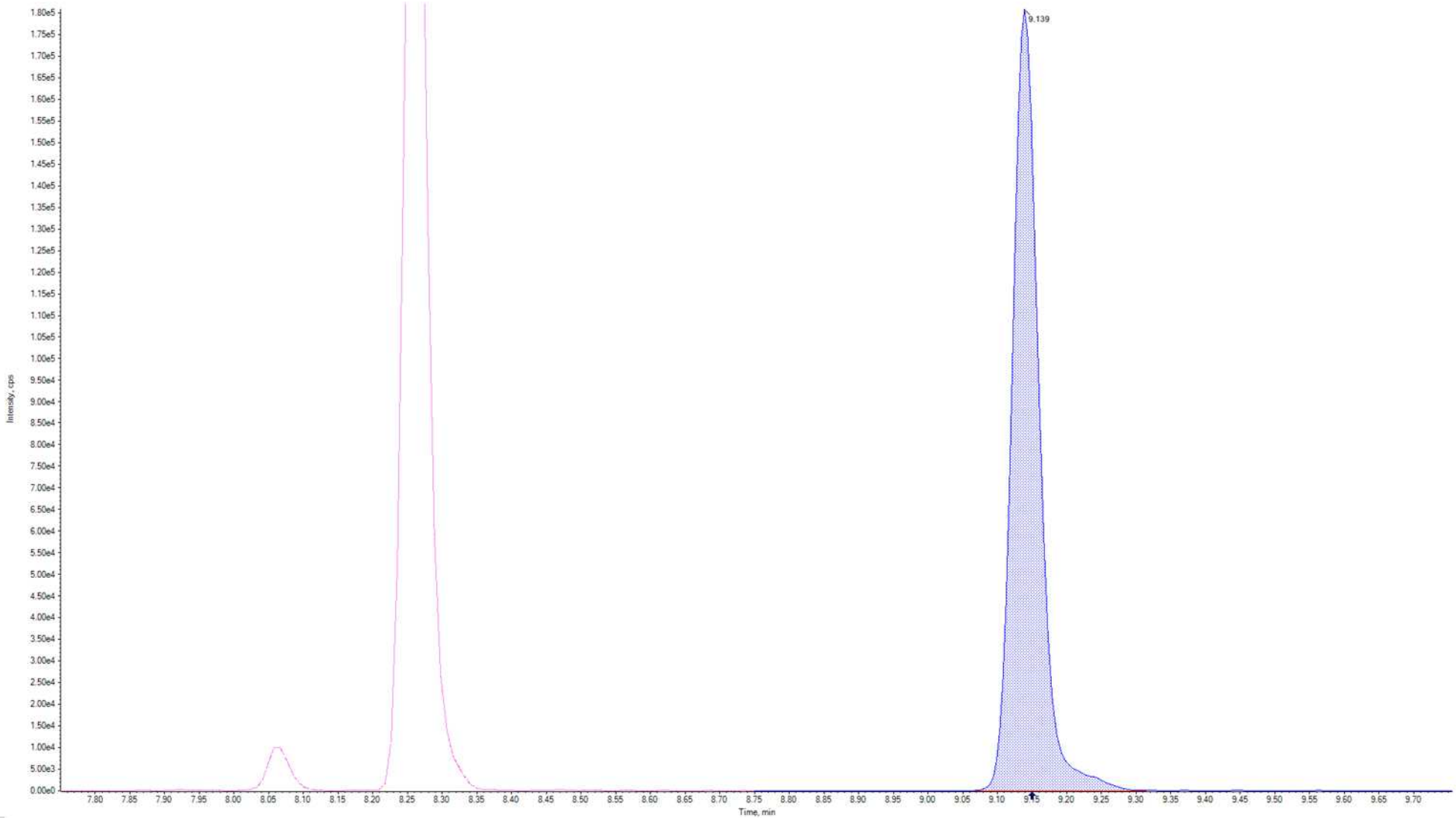
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS
Sample: CA1633STD-10 S/N:20044.8 Points Across peak:57



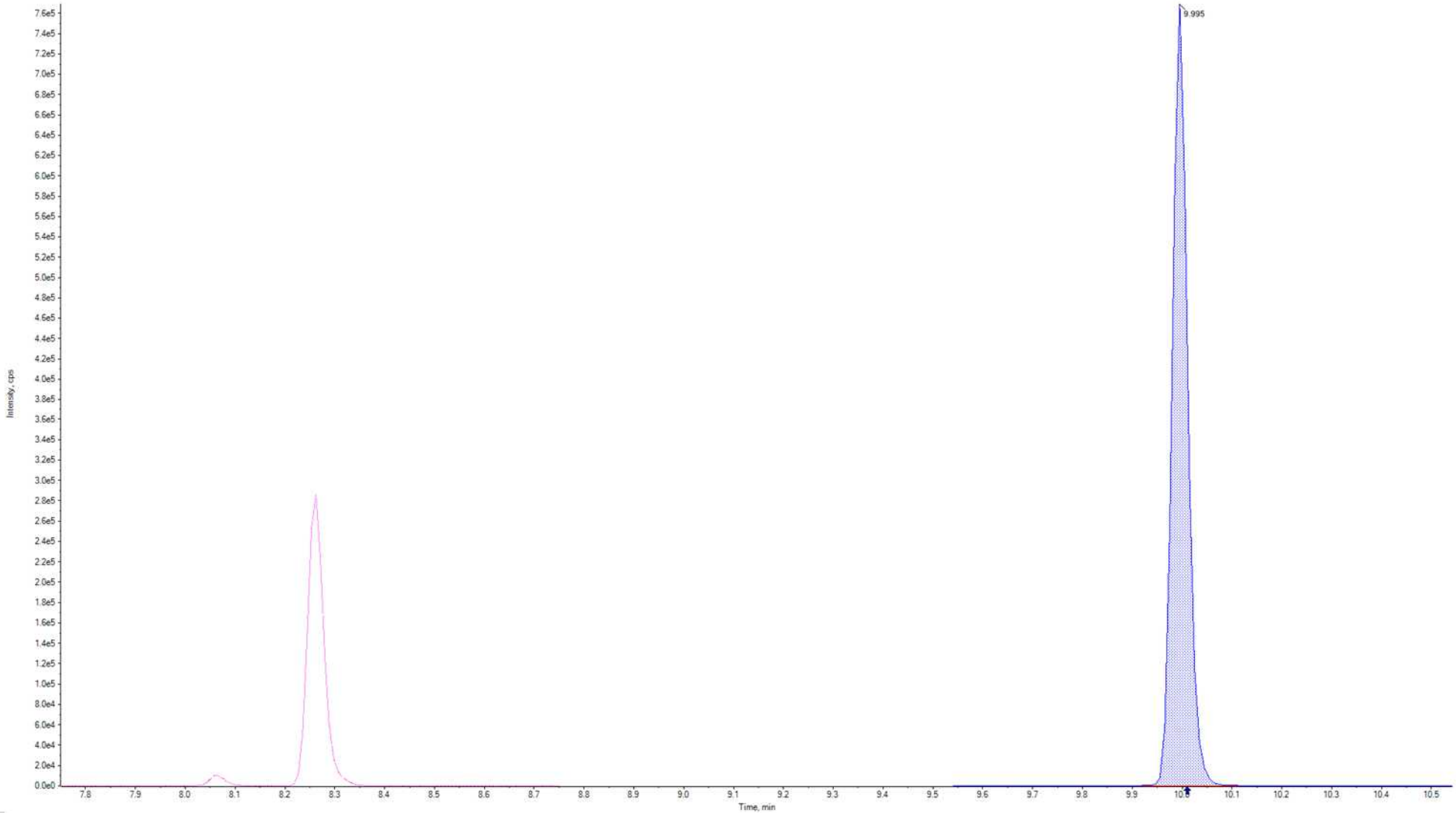
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS_2
Sample: CA1633STD-10 S/N:485473.6 Points Across peak:52



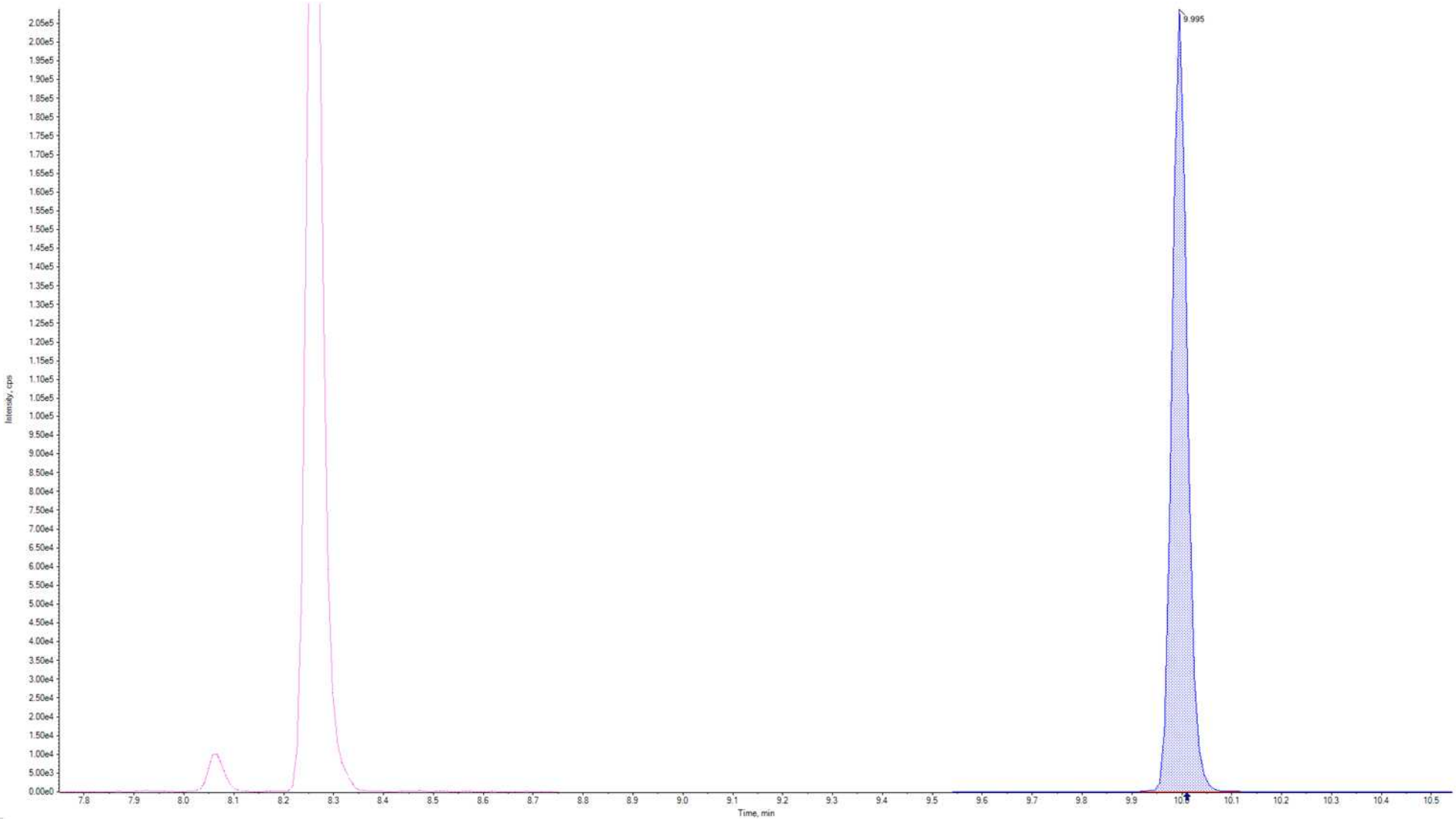
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS
Sample: CA1633STD-10 S/N:13001.9 Points Across peak:25



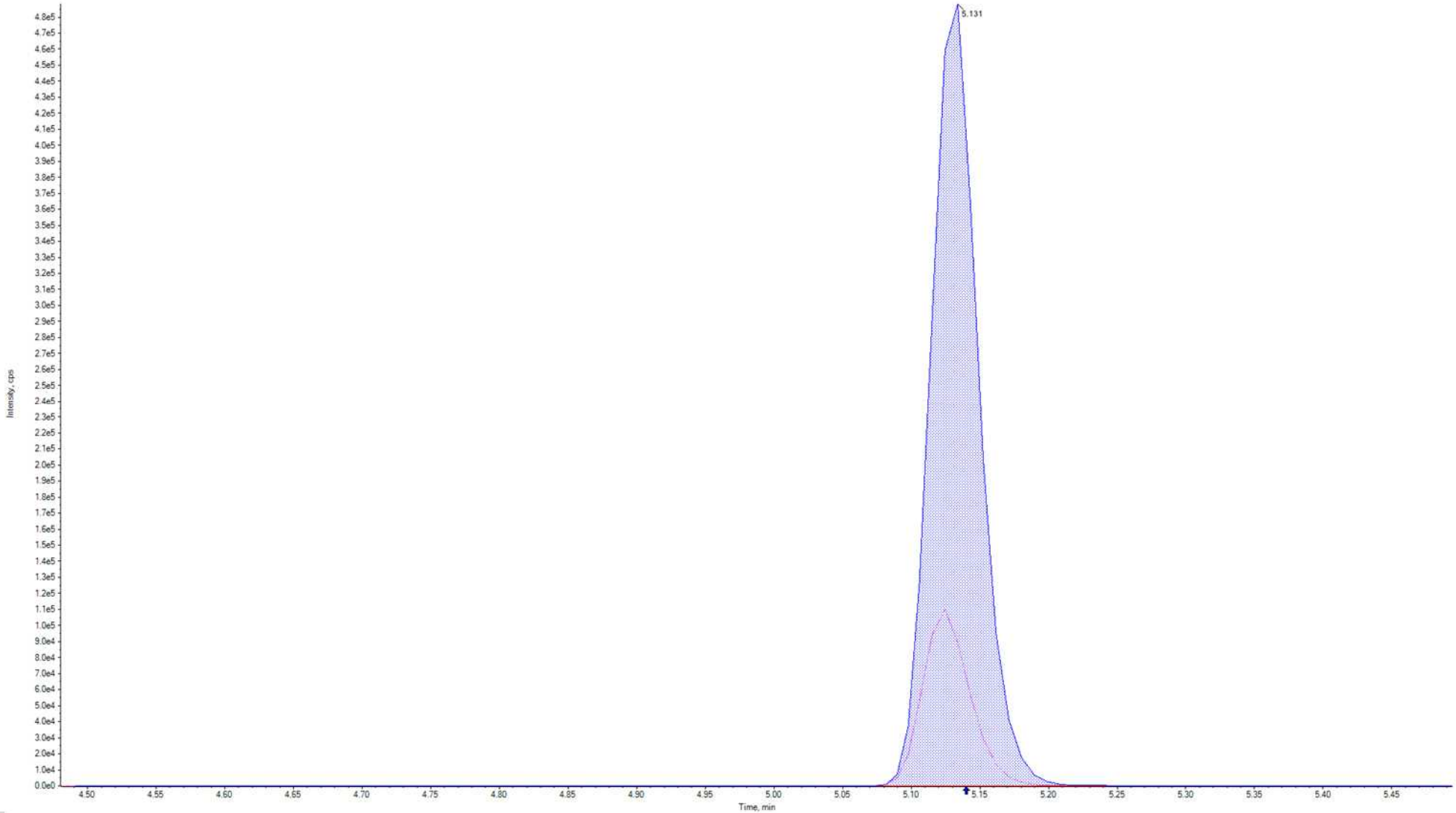
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS_2
Sample: CA1633STD-10 S/N:3690.6 Points Across peak:32



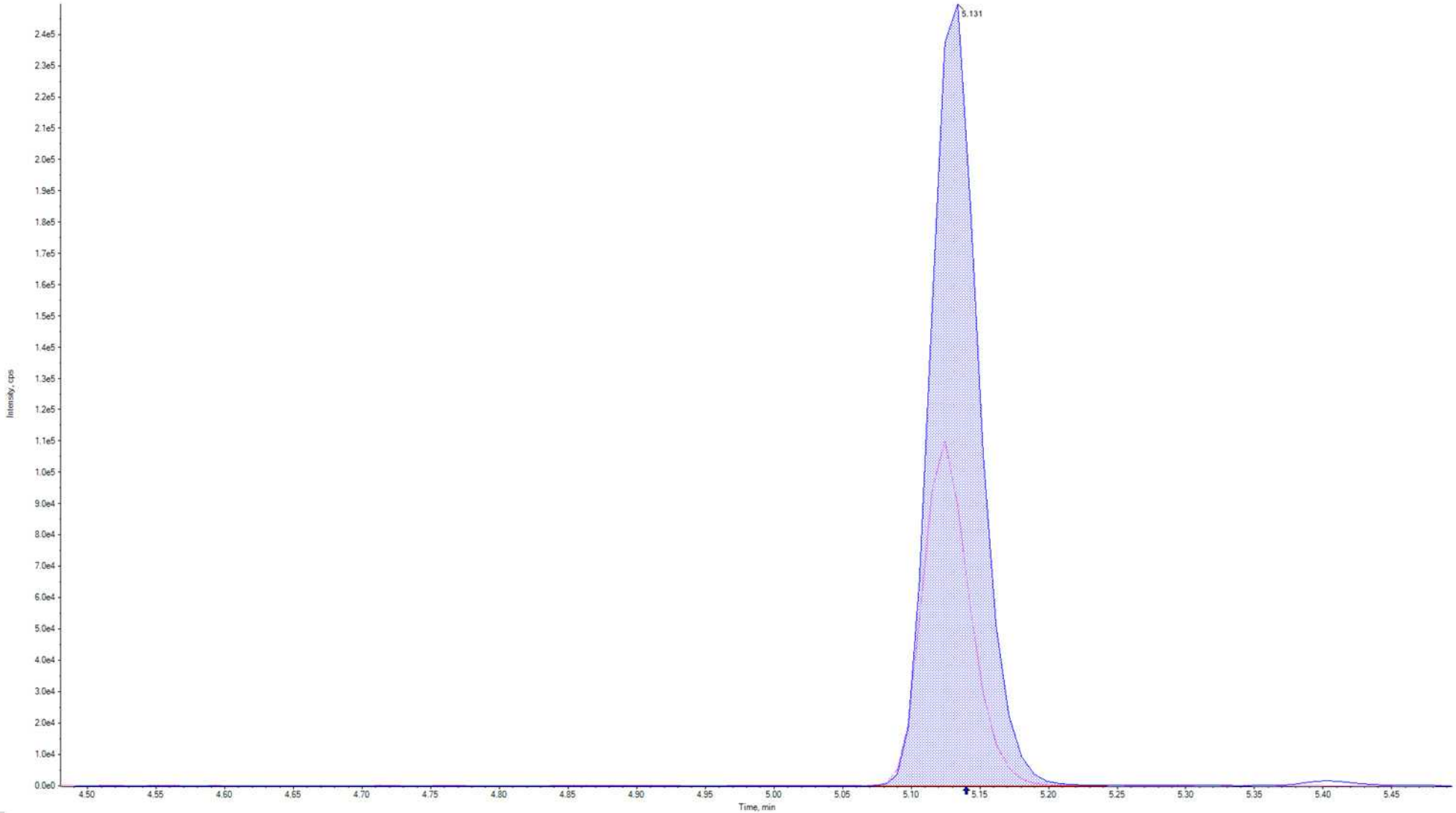
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS
Sample: CA1633STD-10 S/N:5001.8 Points Across peak:29



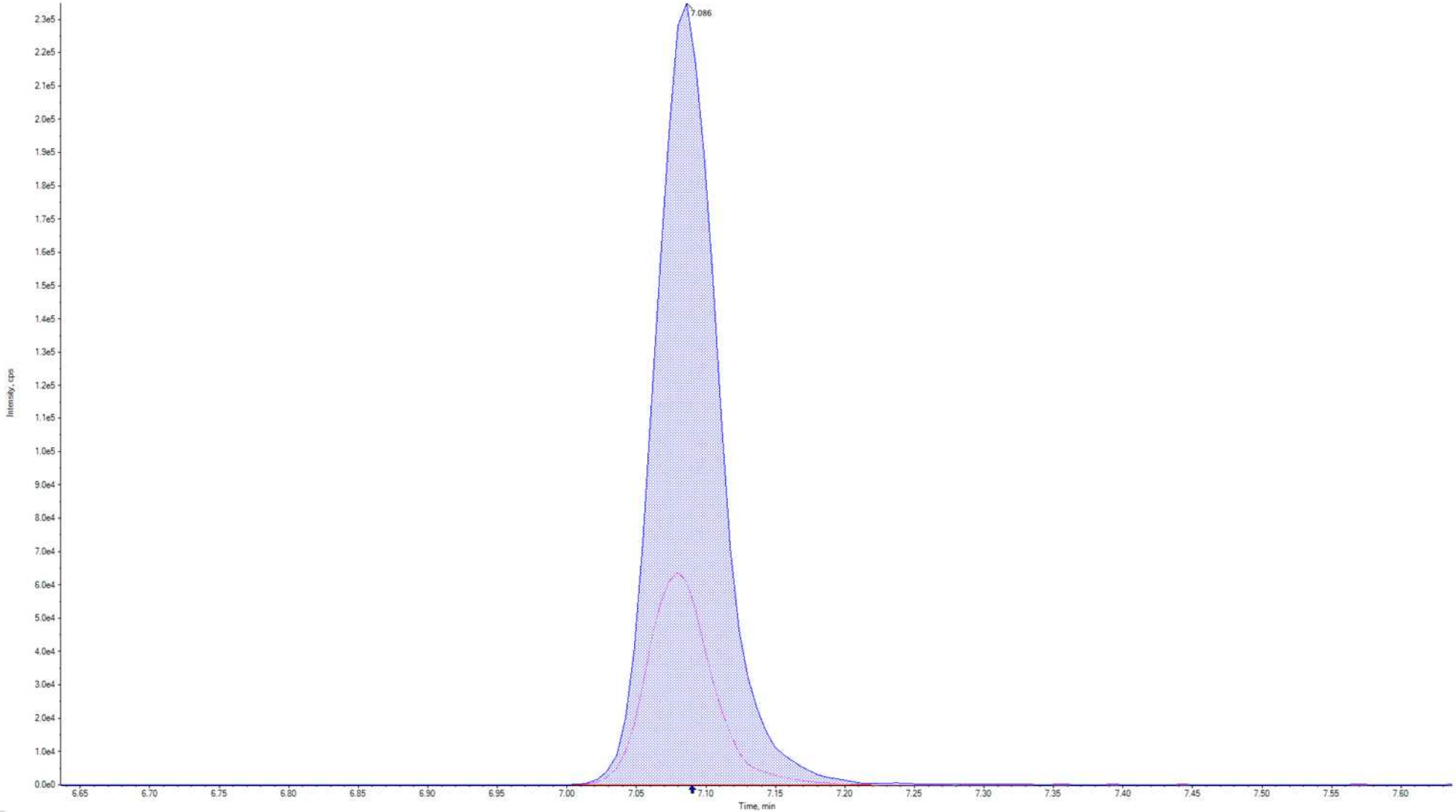
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS_2
Sample: CA1633STD-10 S/N:6484.9 Points Across peak:22



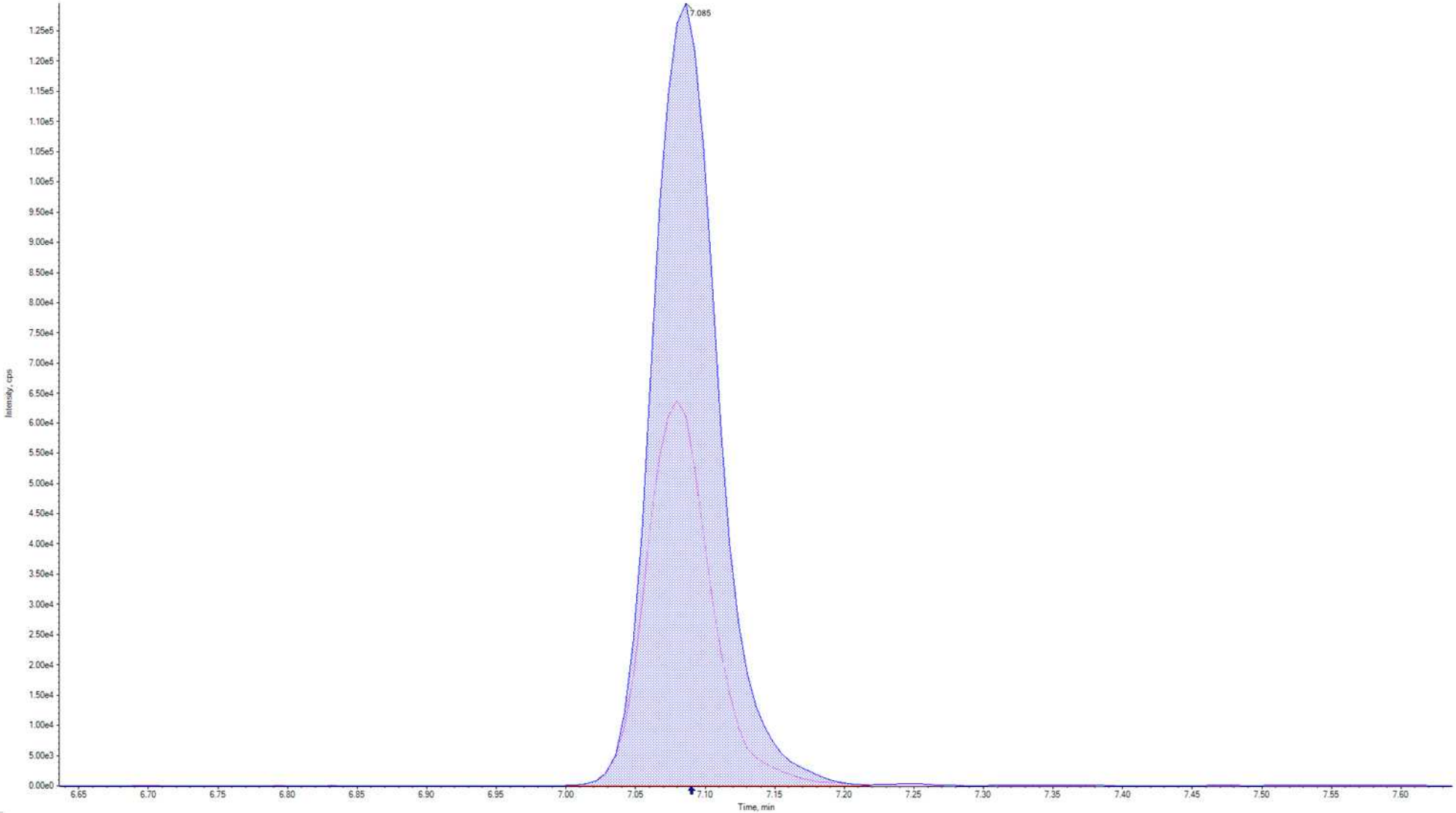
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS
Sample: CA1633STD-10 S/N:2793.4 Points Across peak:38



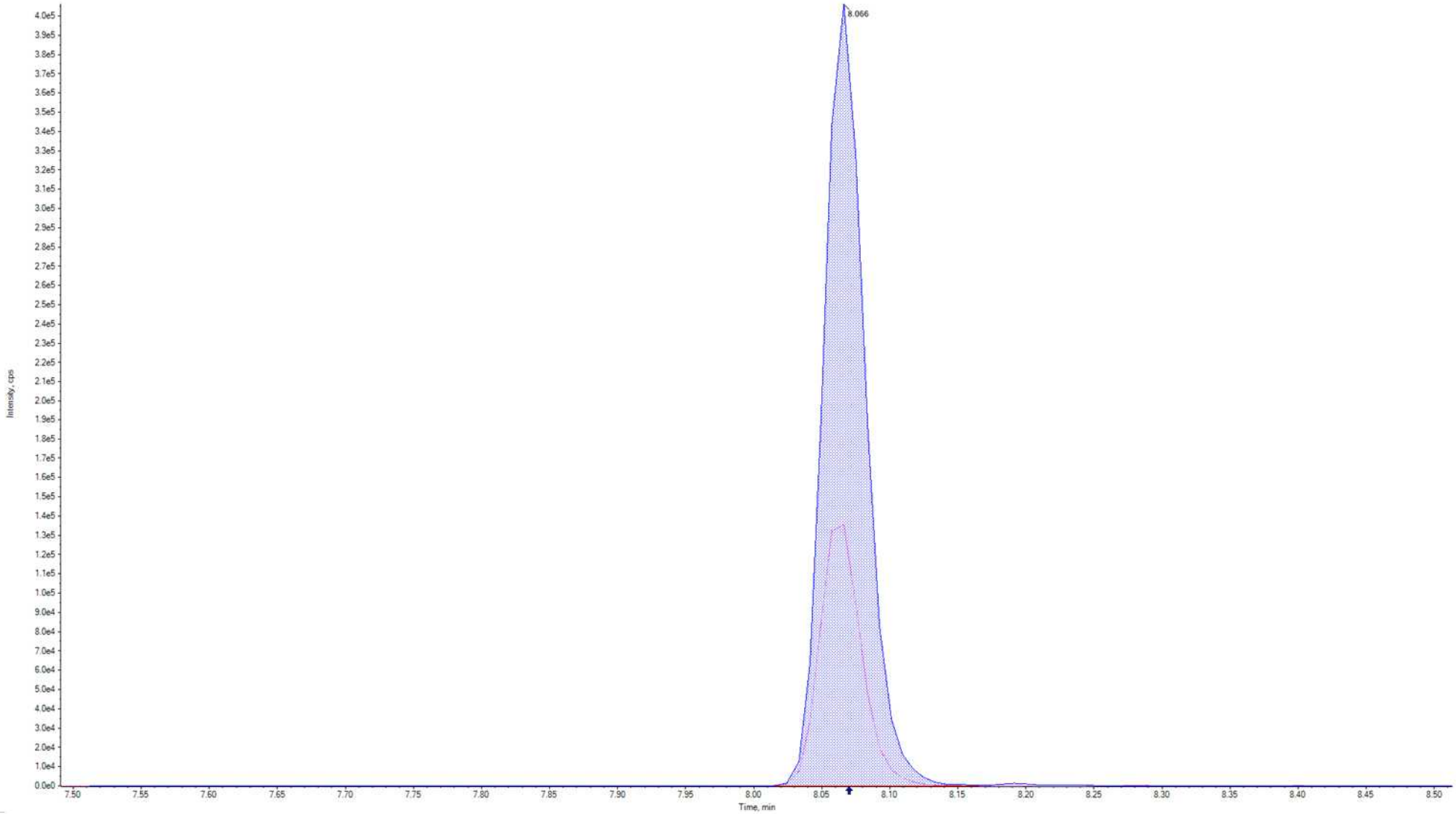
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS_2
Sample: CA1633STD-10 S/N:46504.9 Points Across peak:37



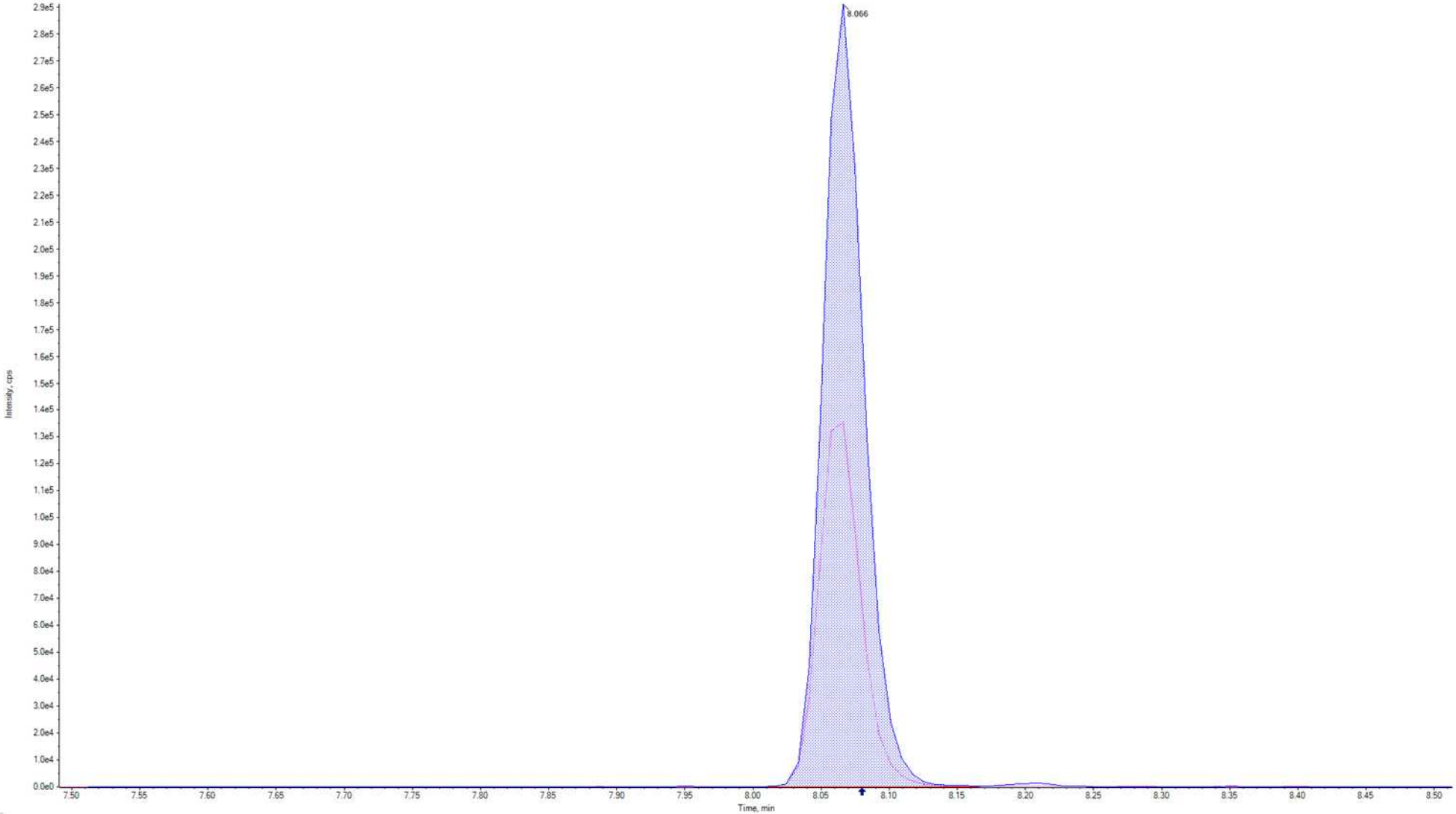
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS
Sample: CA1633STD-10 S/N:7262.8 Points Across peak:20



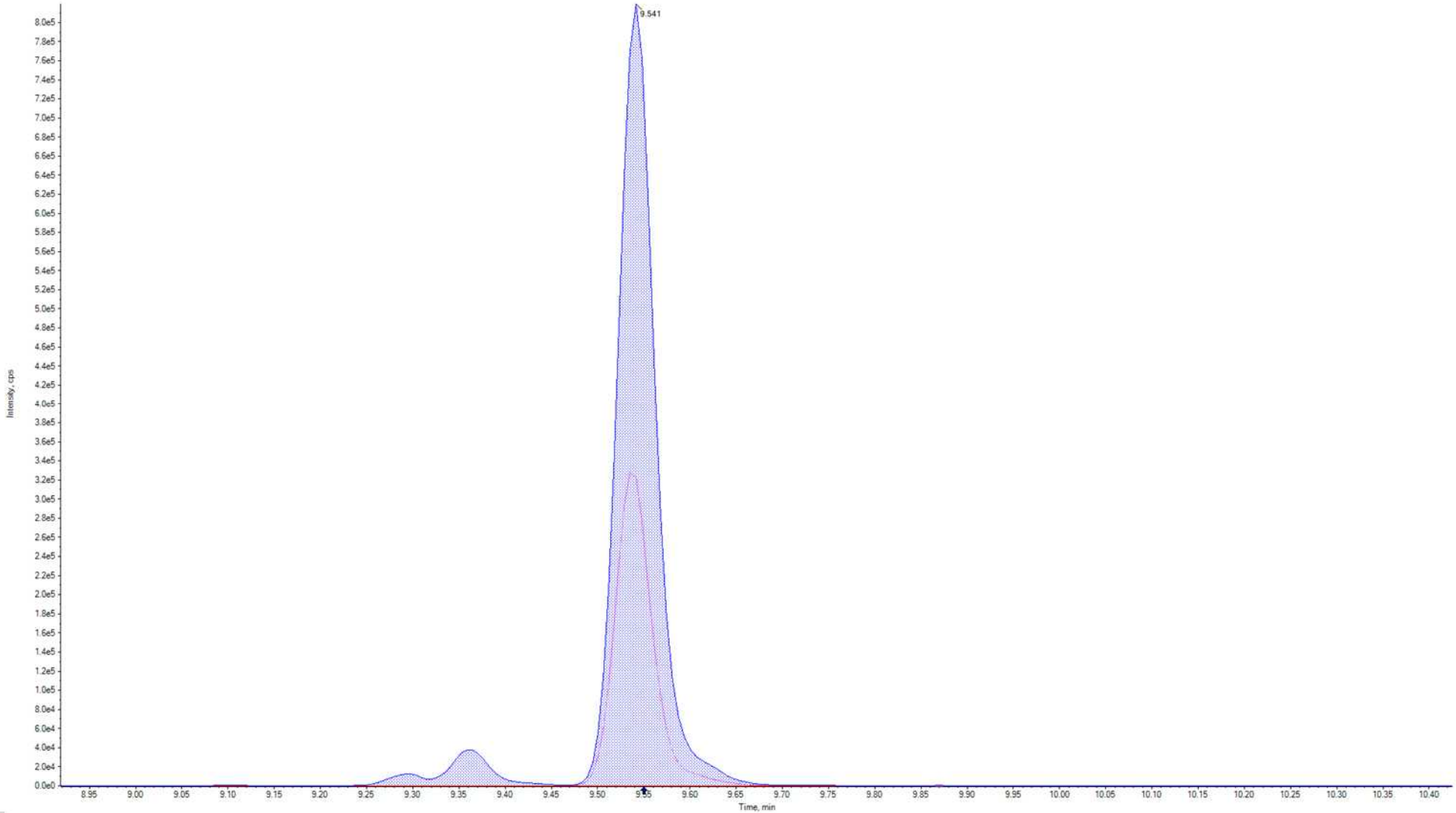
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS_2
Sample: CA1633STD-10 S/N:2928.3 Points Across peak:22



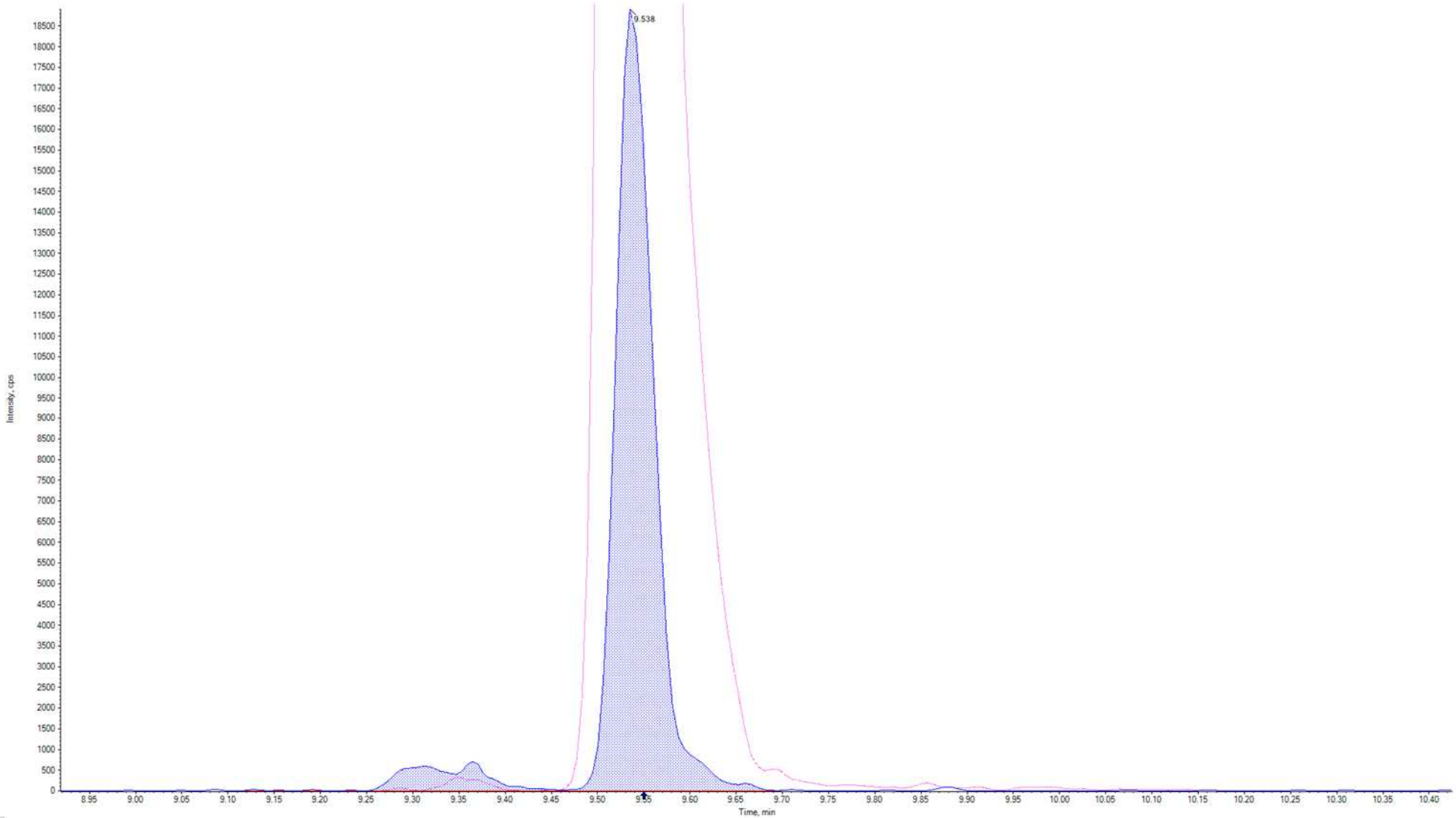
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA
Sample: CA1633STD-10 S/N:98094.6 Points Across peak:123



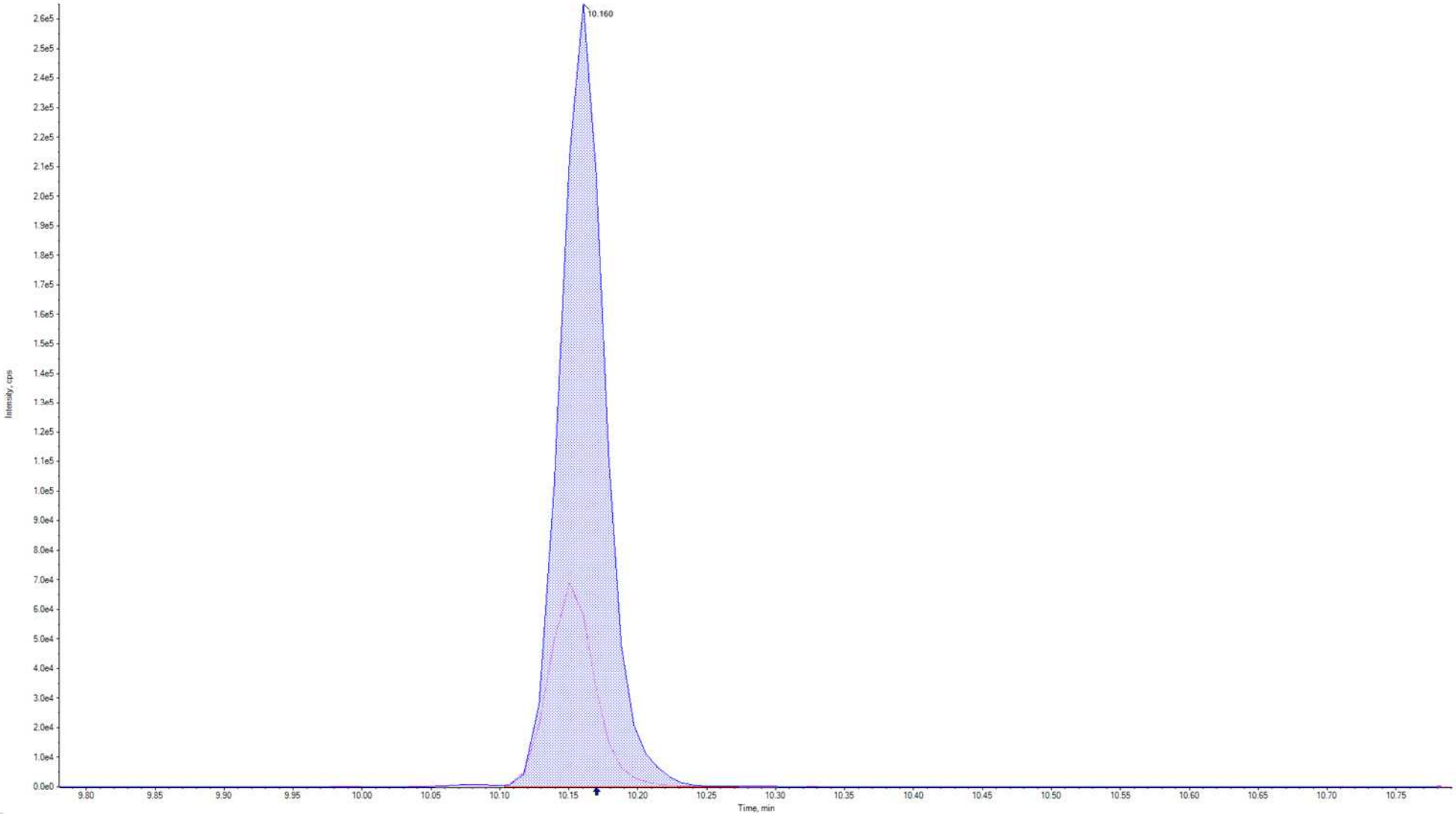
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA_2
Sample: CA1633STD-10 S/N:2467.8 Points Across peak:102



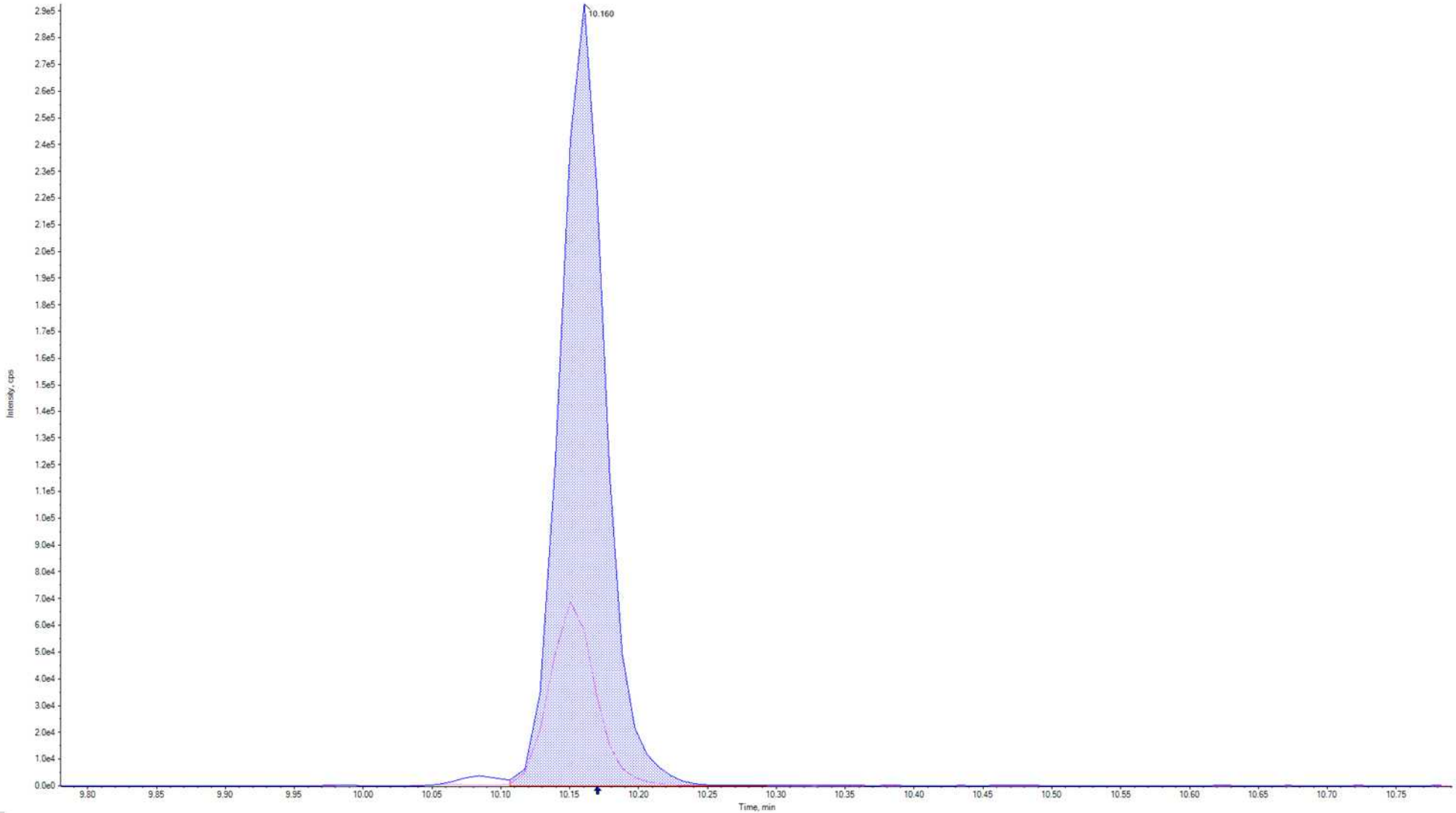
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA
Sample: CA1633STD-10 S/N:8935.6 Points Across peak:20



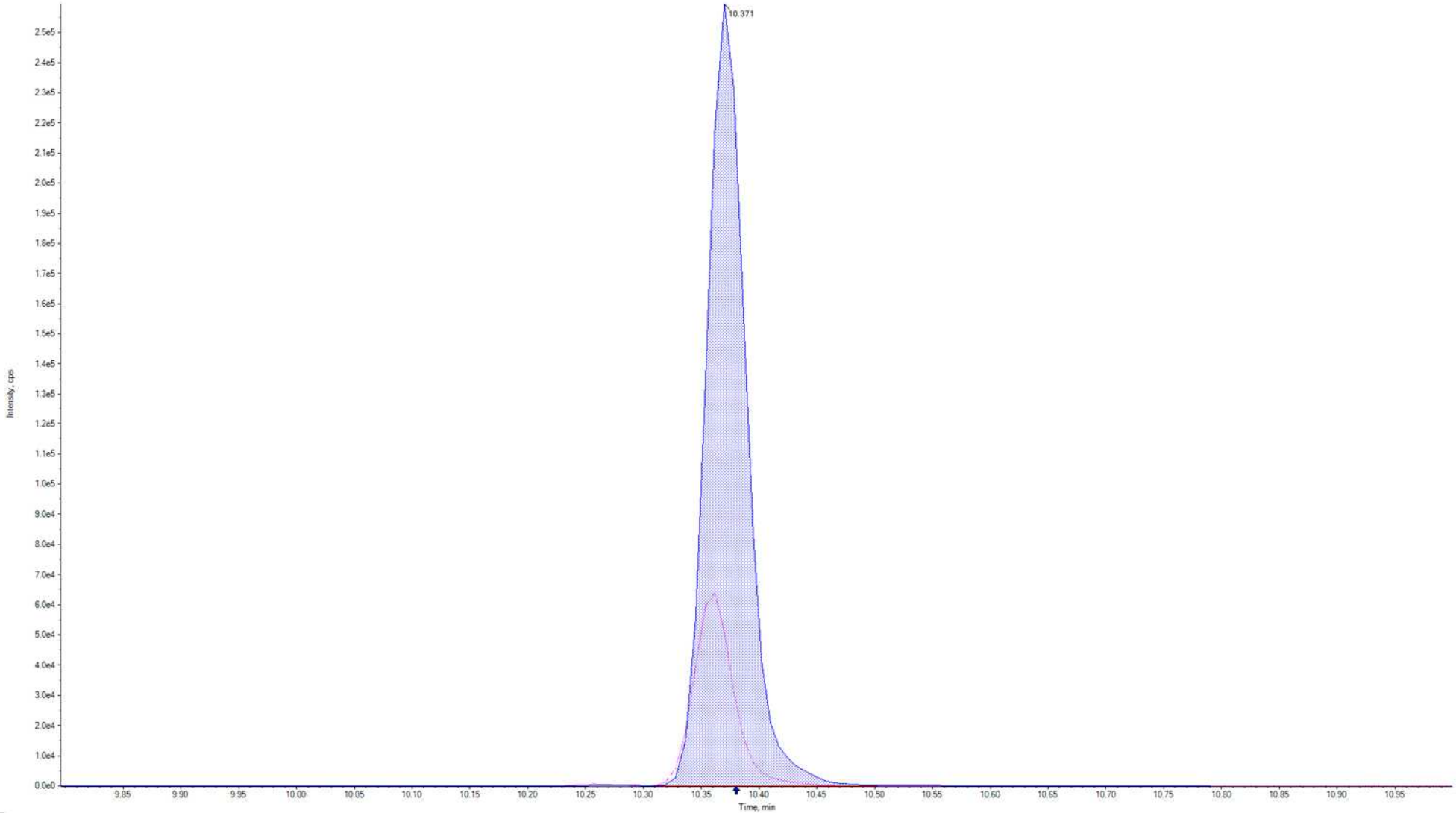
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA_2
Sample: CA1633STD-10 S/N:5500.0 Points Across peak:21



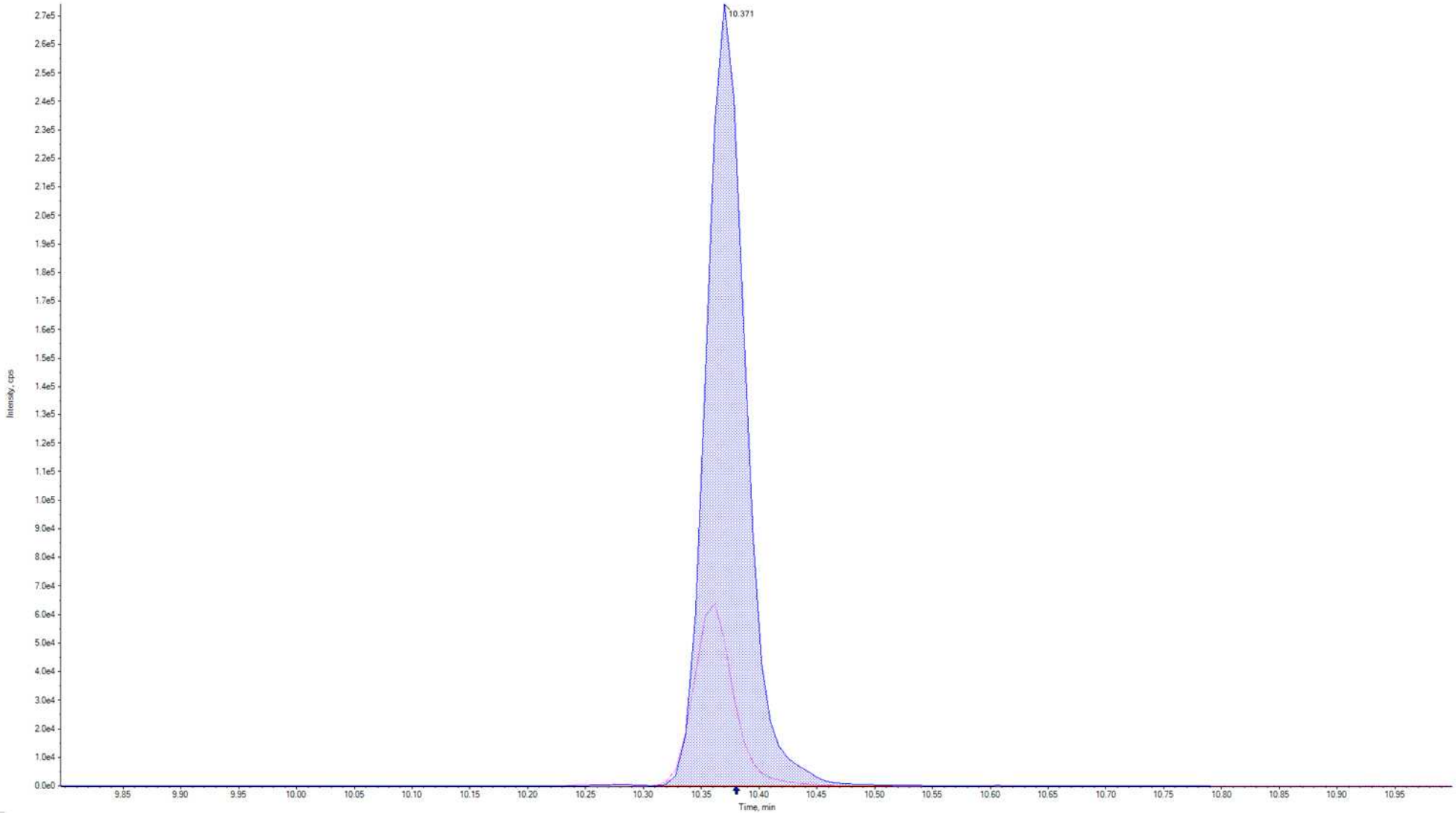
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA
Sample: CA1633STD-10 S/N:43645756.3 Points Across peak:27



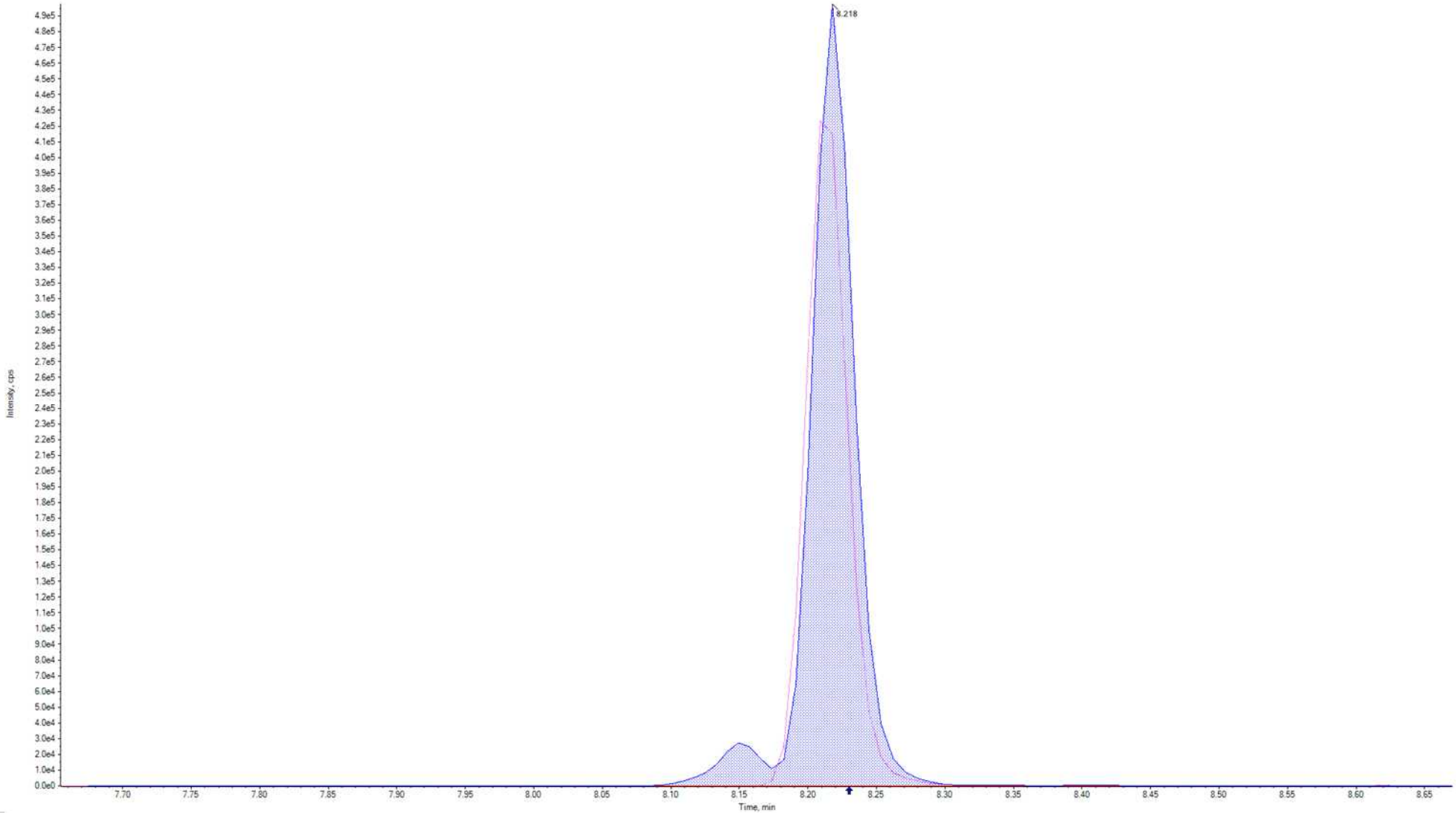
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSA_2
Sample: CA1633STD-10 S/N:52270.9 Points Across peak:29



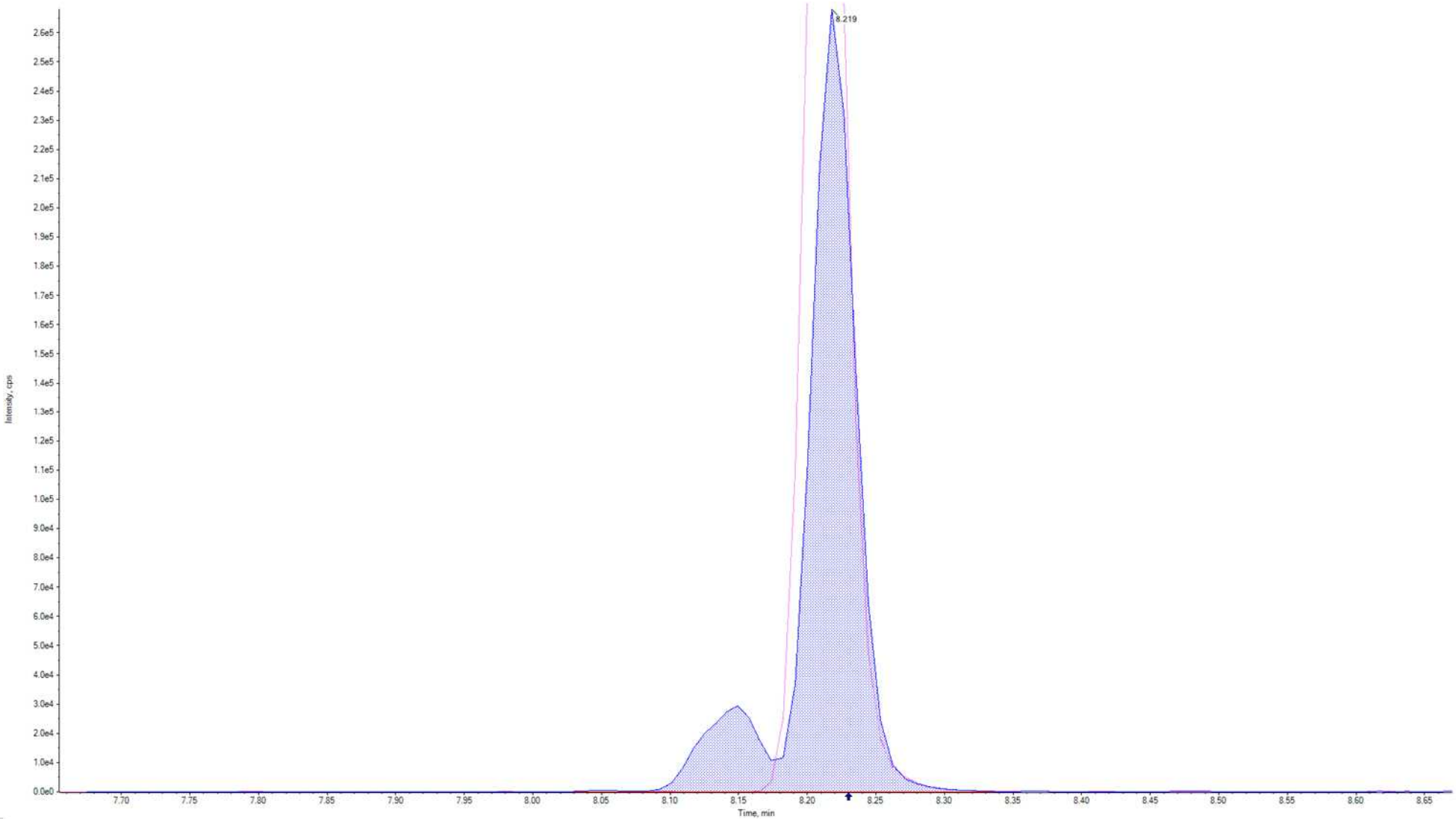
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA
Sample: CA1633STD-10 S/N:1593.2 Points Across peak:46



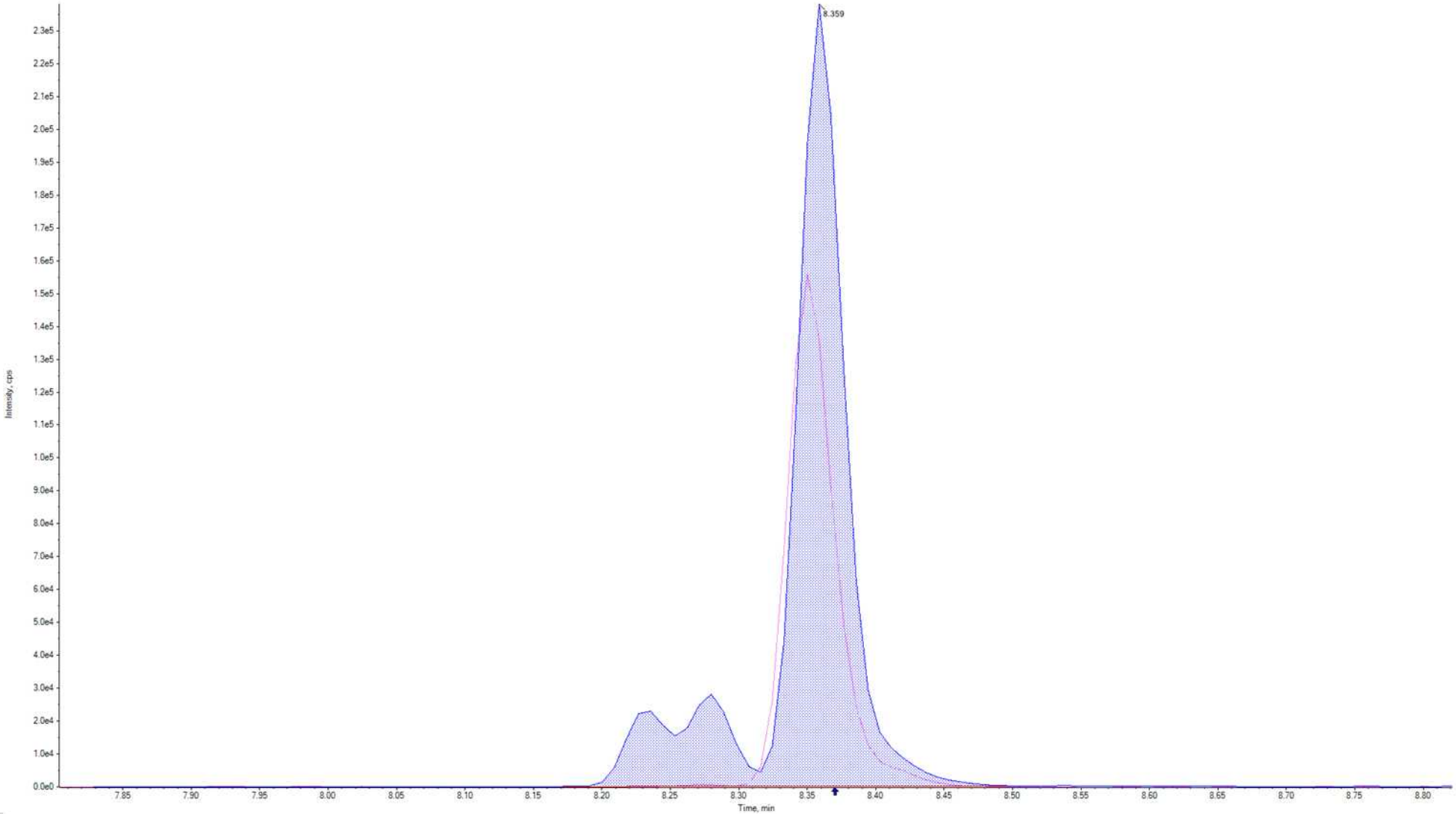
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:1208.6 Points Across peak:40



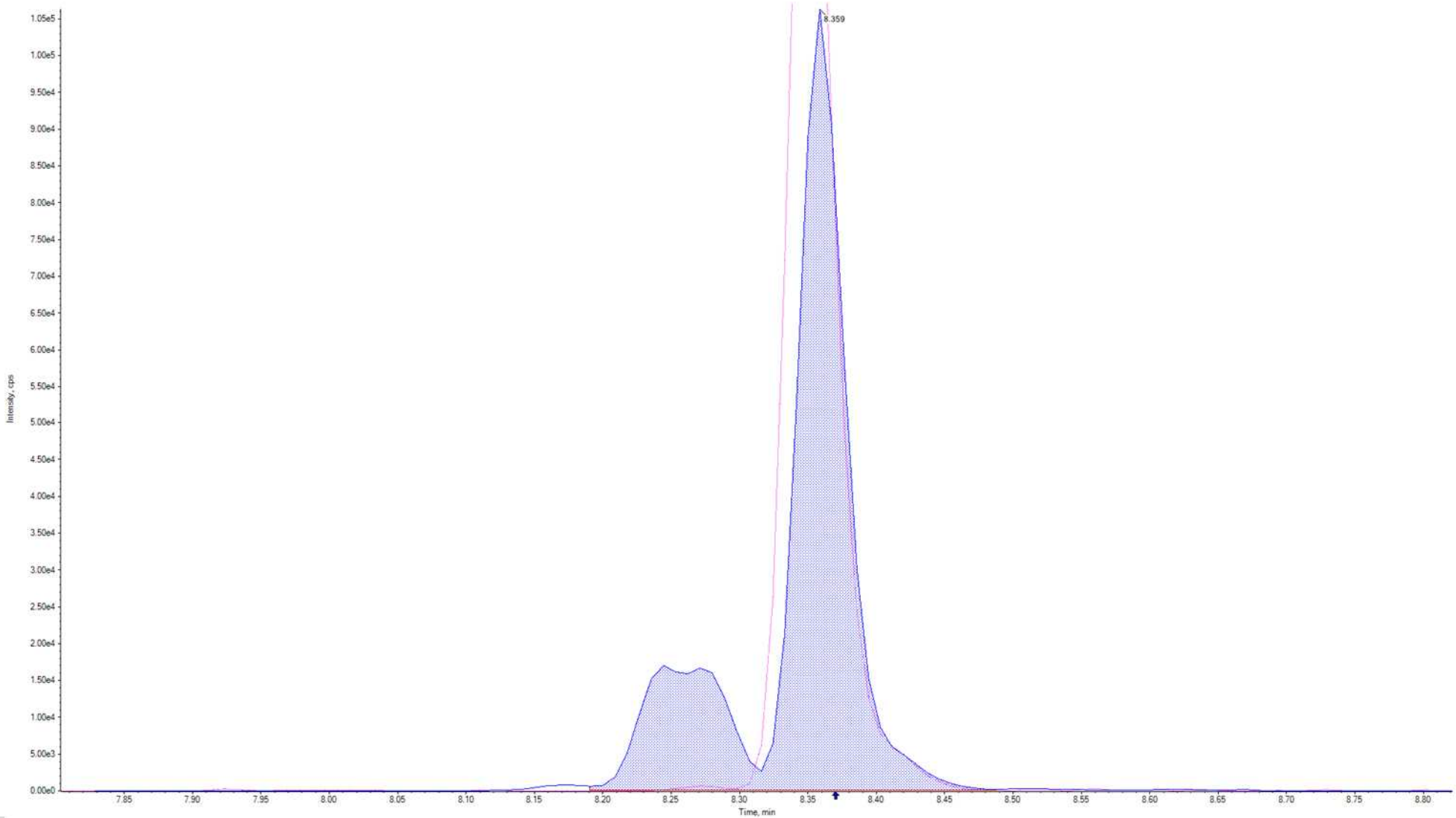
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA
Sample: CA1633STD-10 S/N:879.7 Points Across peak:42



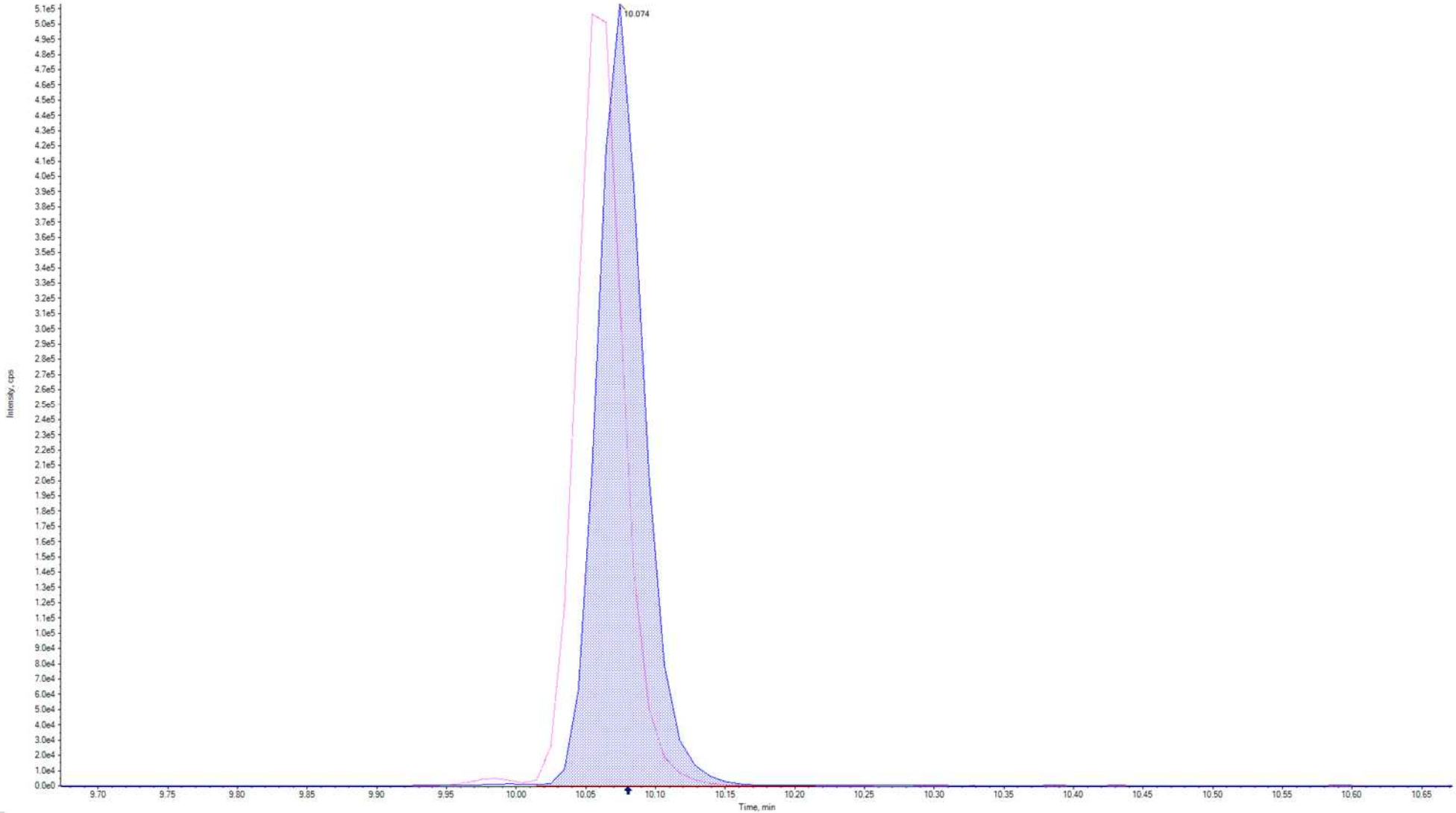
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA_2
Sample: CA1633STD-10 S/N:549.1 Points Across peak:36



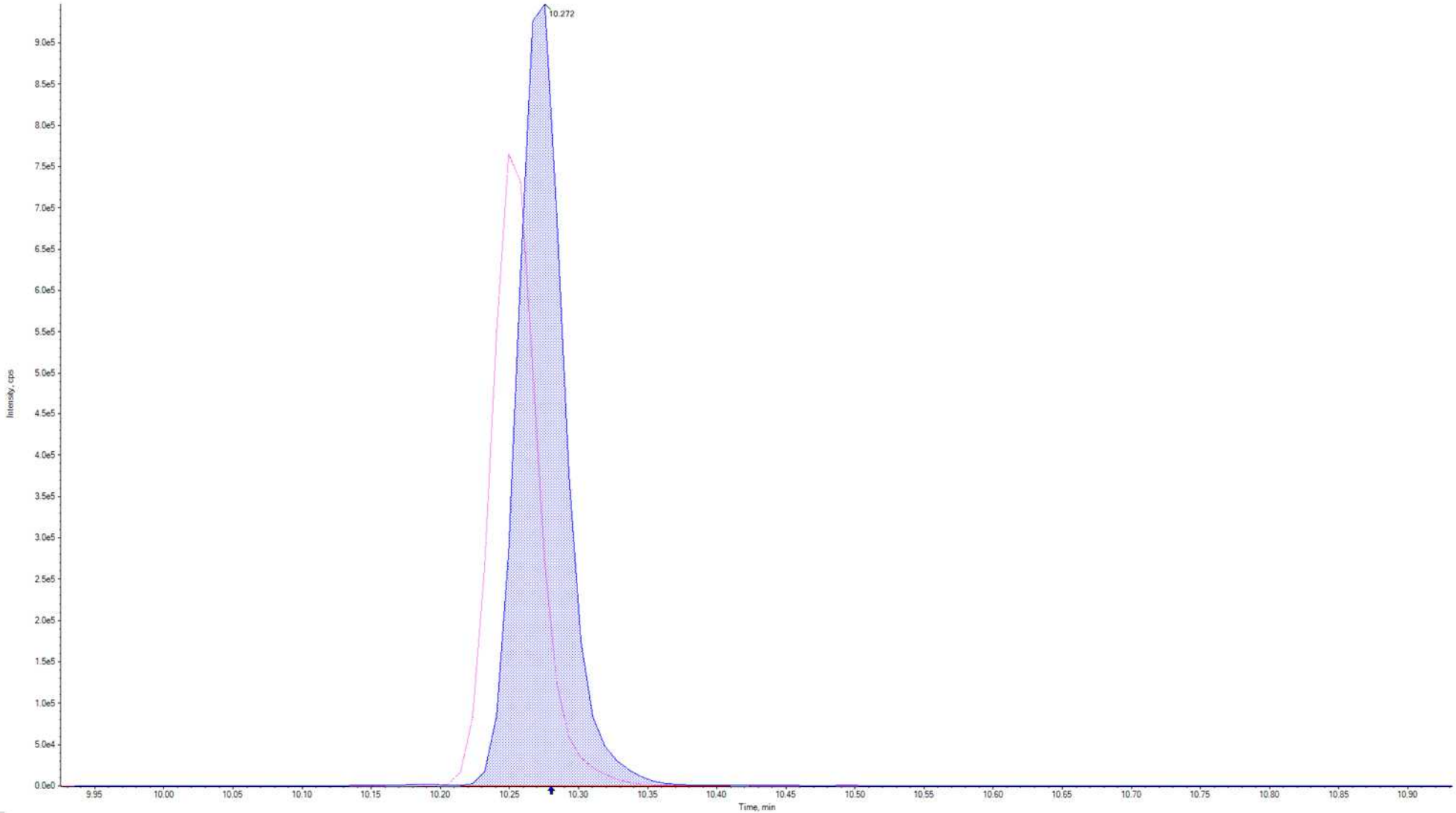
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSE
Sample: CA1633STD-10 S/N:3872.4 Points Across peak:21

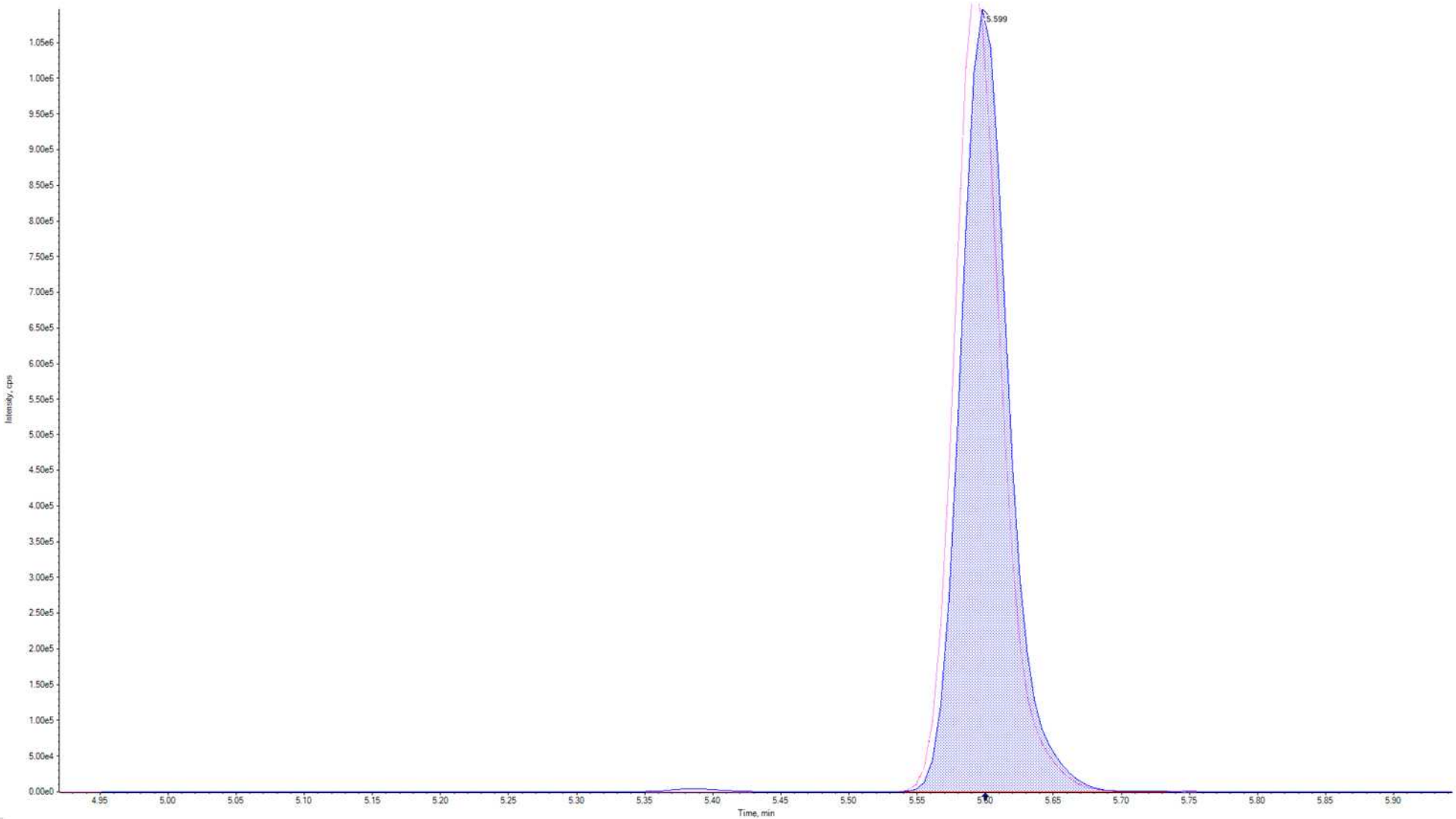


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSE
Sample: CA1633STD-10 S/N:4254.1 Points Across peak:24

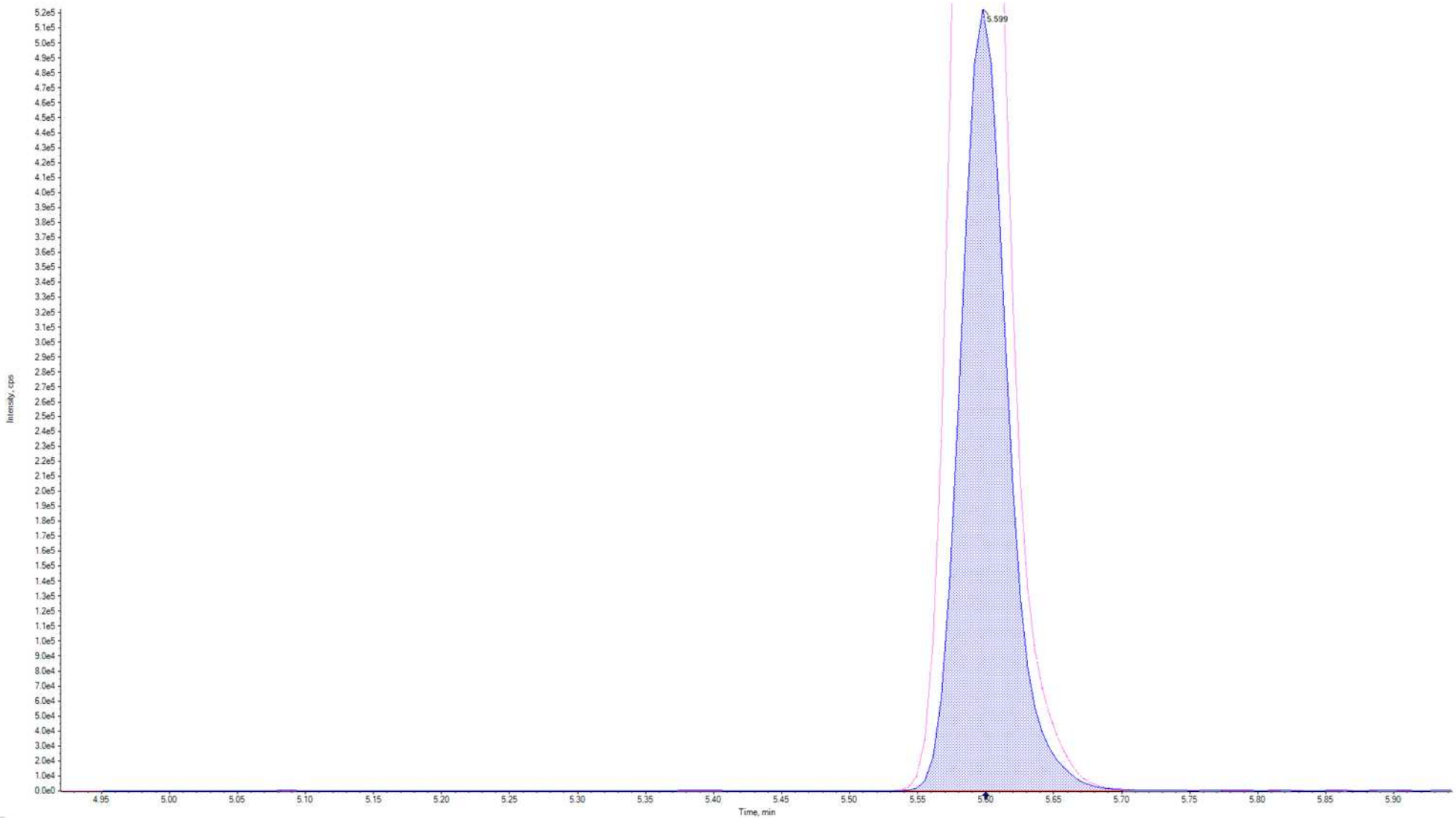


HFPO-DA
Sample: CA1633STD-10 S/N:12127.9 Points Across peak:44



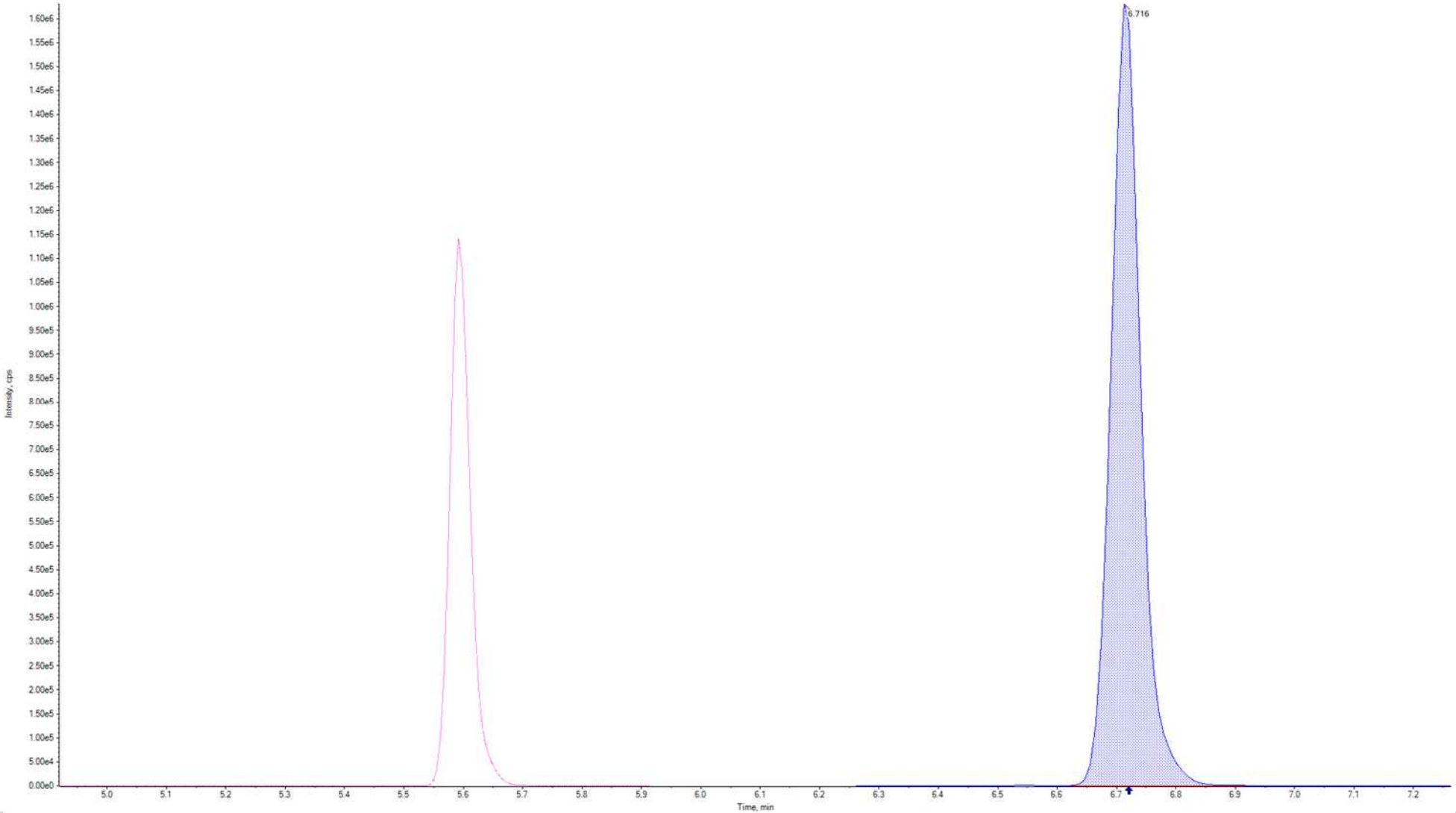
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

HFPO-DA_2
Sample: CA1633STD-10 S/N:3995.2 Points Across peak:34



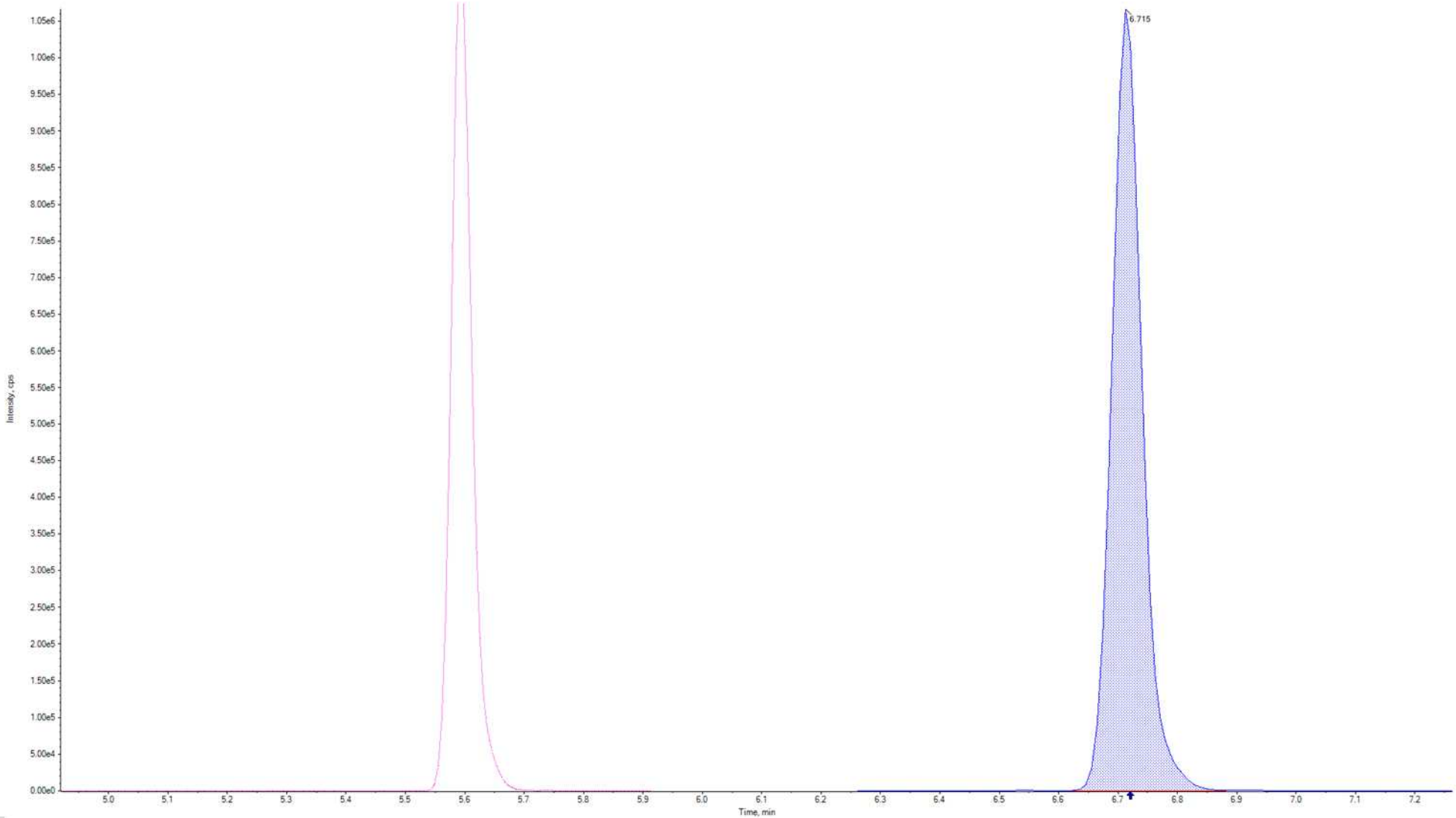
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA
Sample: CA1633STD-10 S/N:9355.5 Points Across peak:47



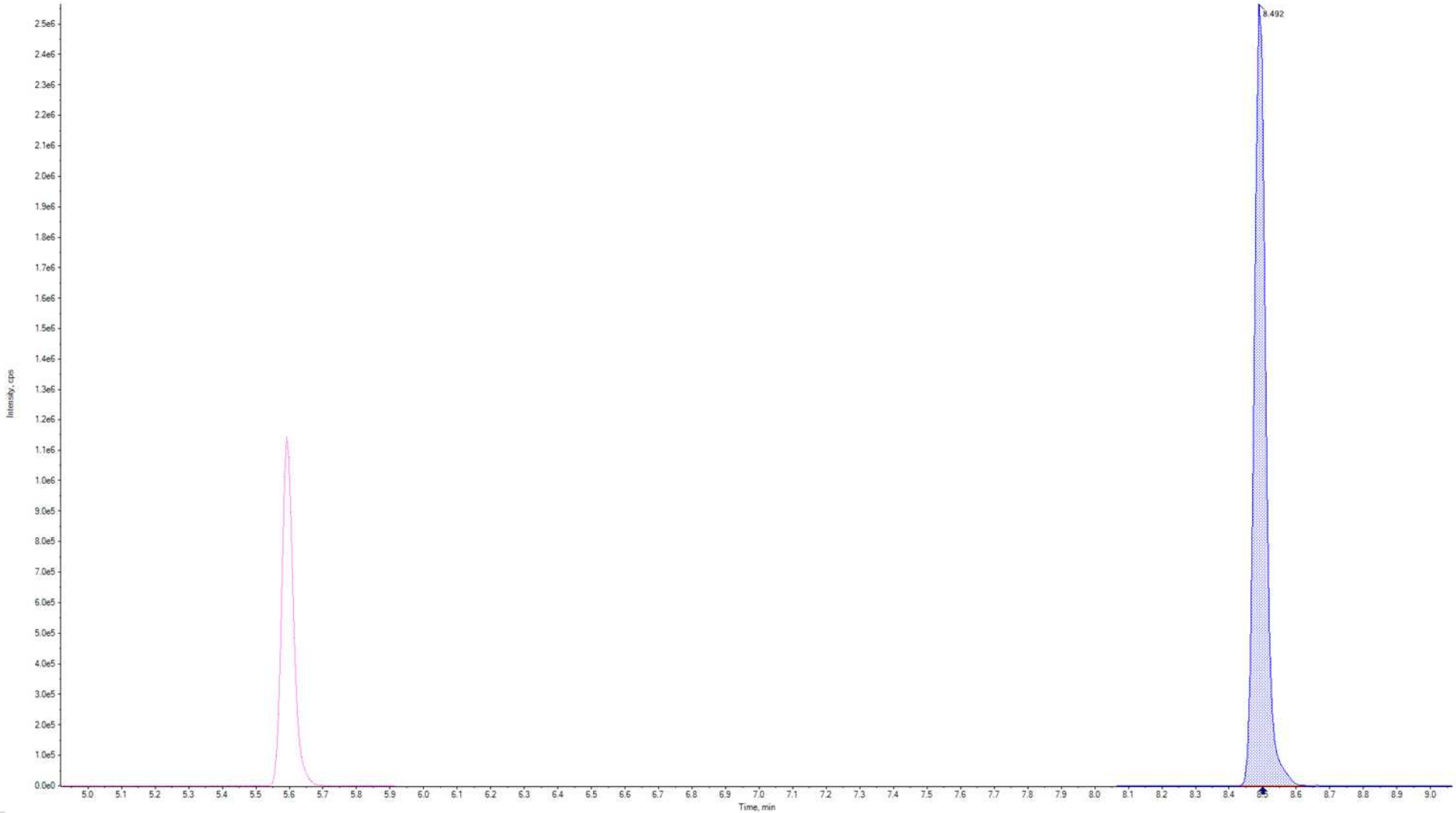
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA_2
Sample: CA1633STD-10 S/N:8341.5 Points Across peak:37



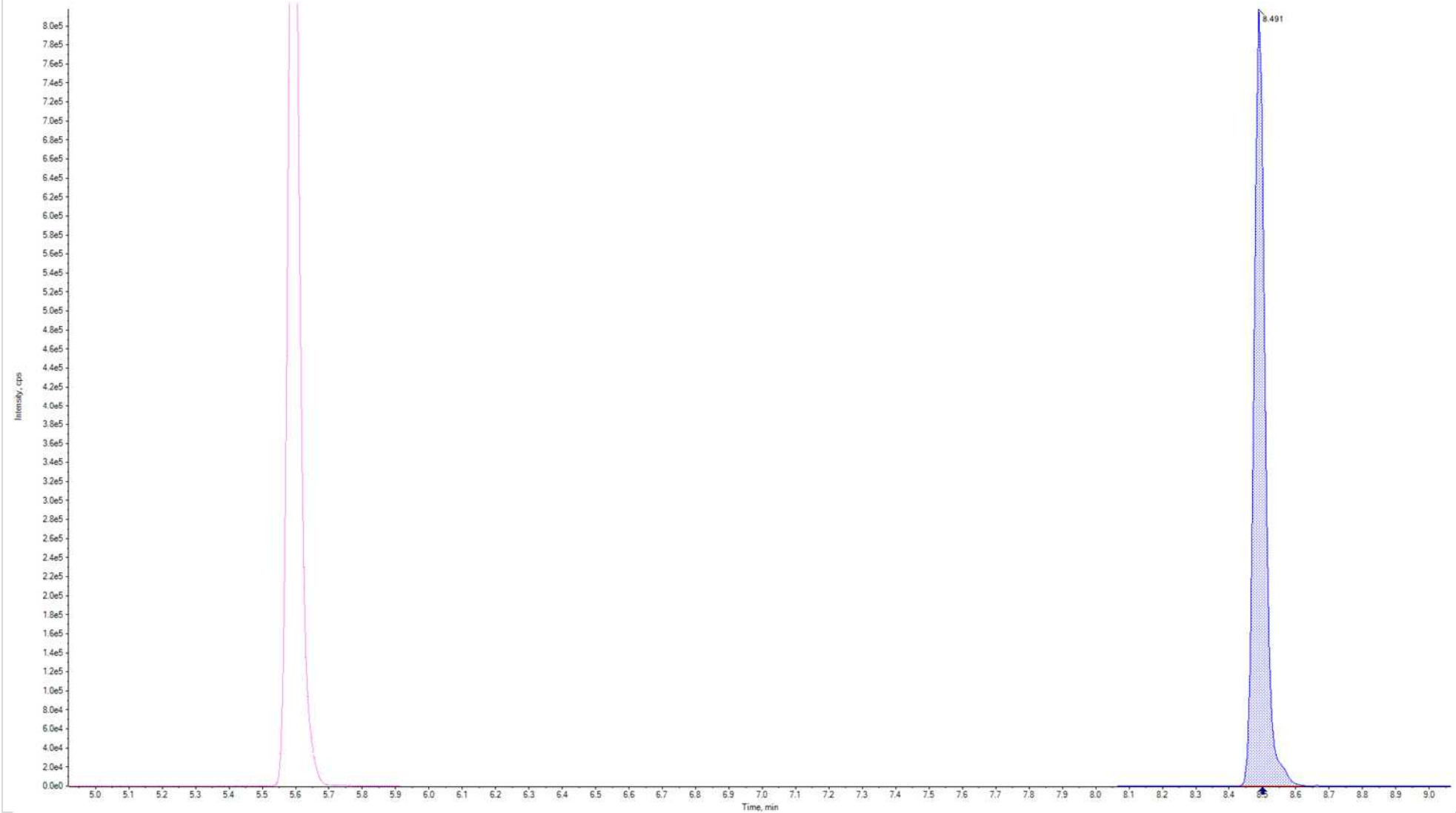
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS
Sample: CA1633STD-10 S/N:20448.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:56252.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

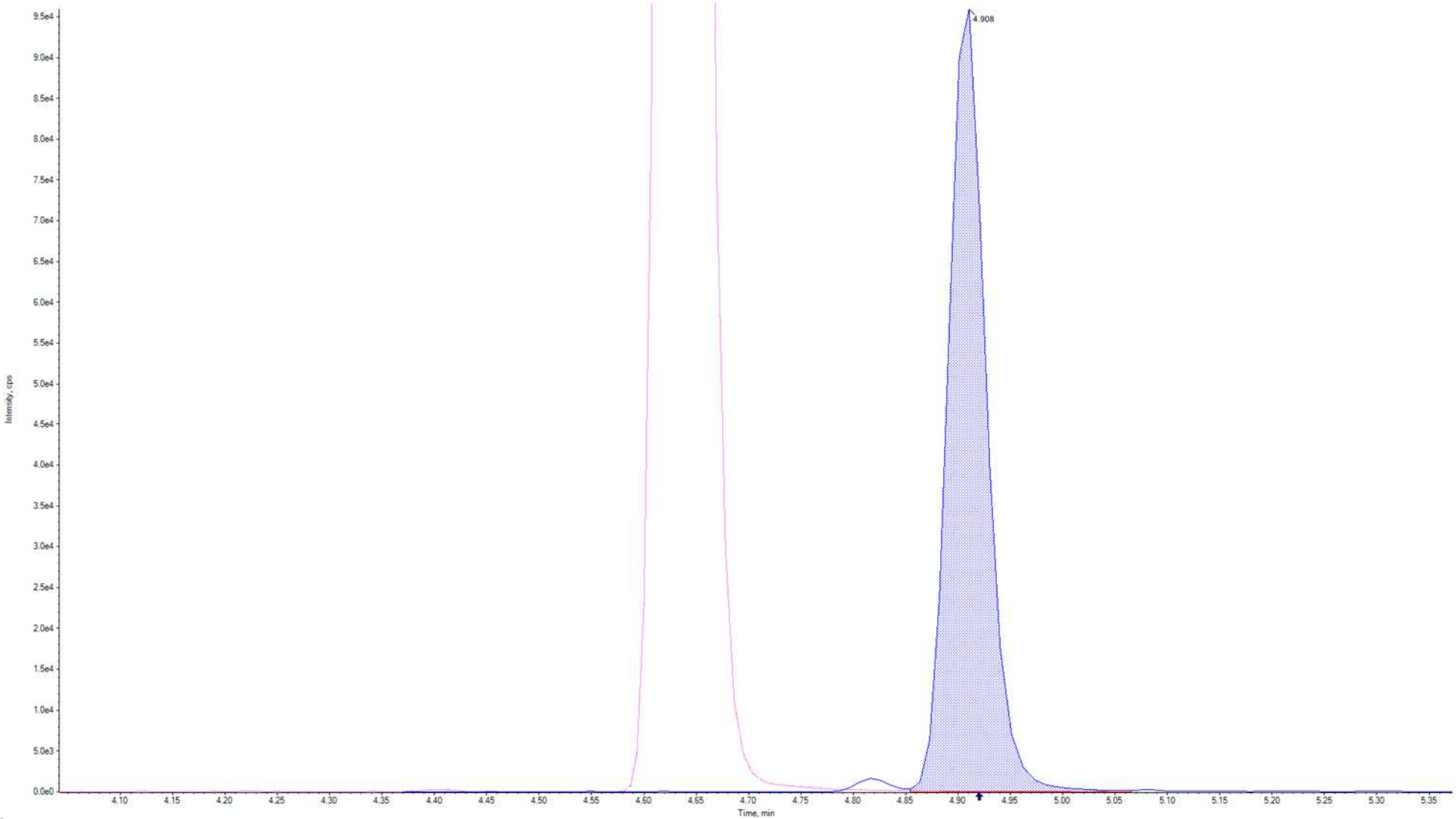
11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:848107.0 Points Across peak:42

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:76646.3 Points Across peak:43

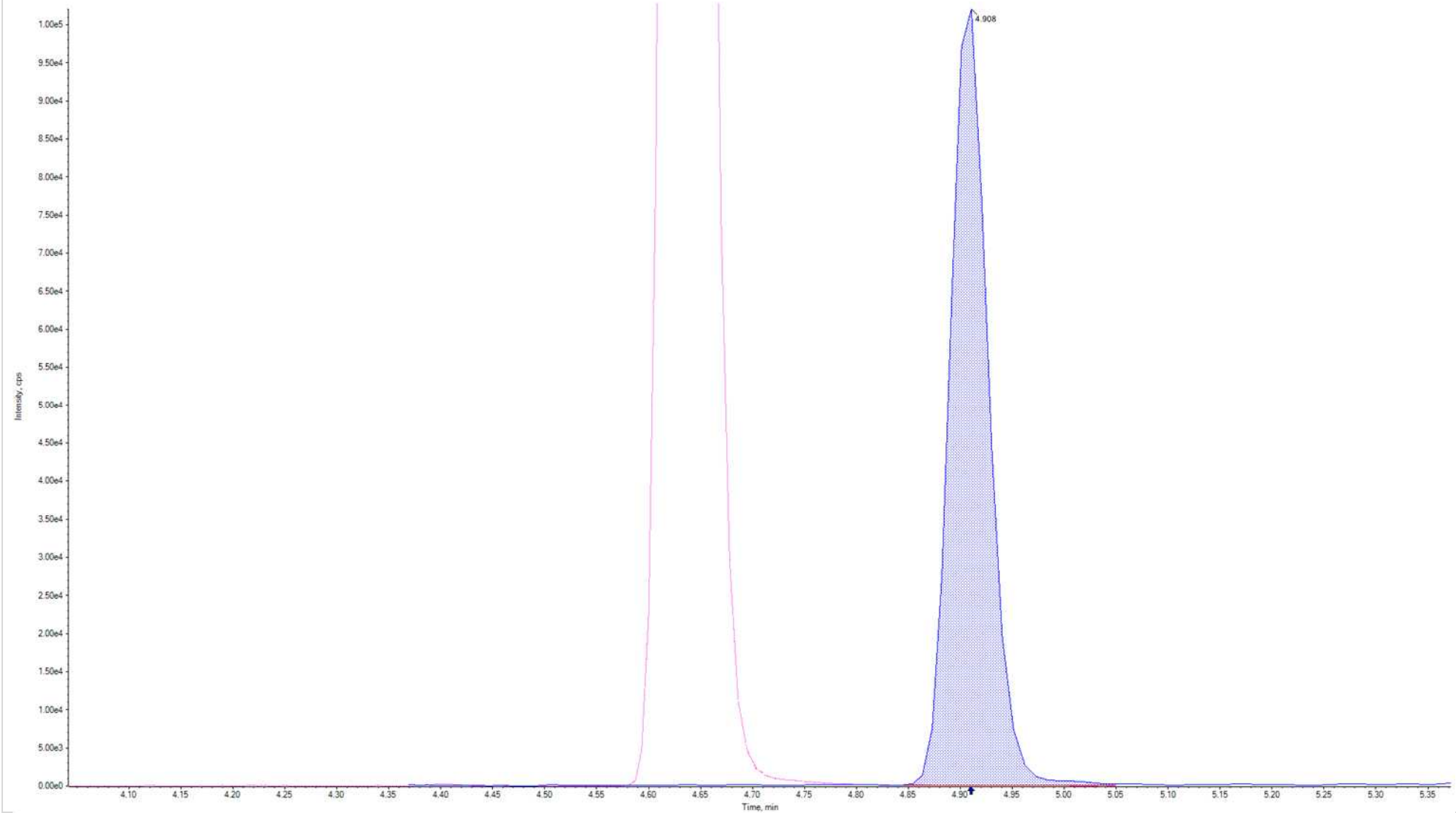
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA
Sample: CA1633STD-10 S/N:2300.8 Points Across peak:22



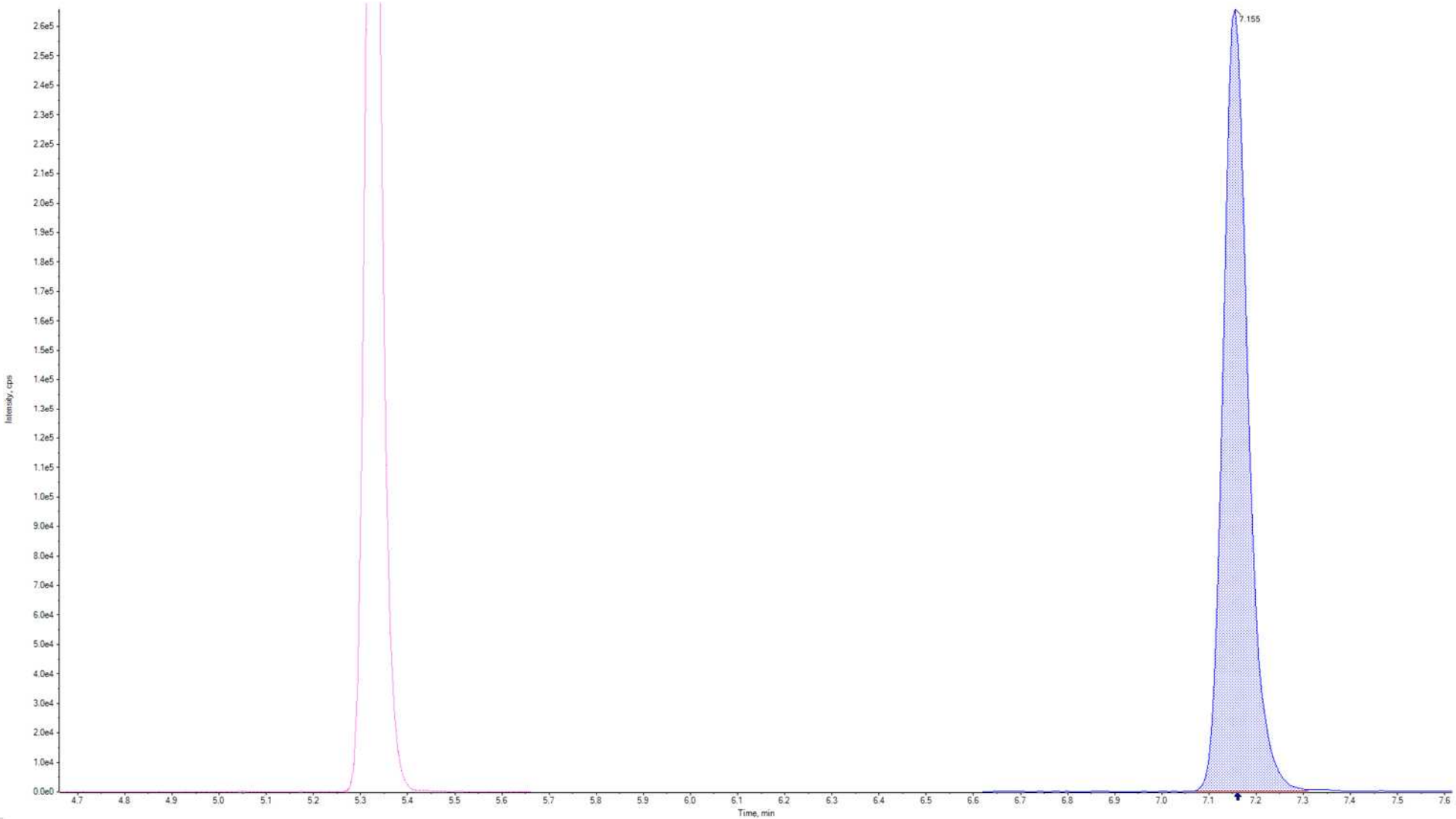
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA_2
Sample: CA1633STD-10 S/N:2447.3 Points Across peak:22



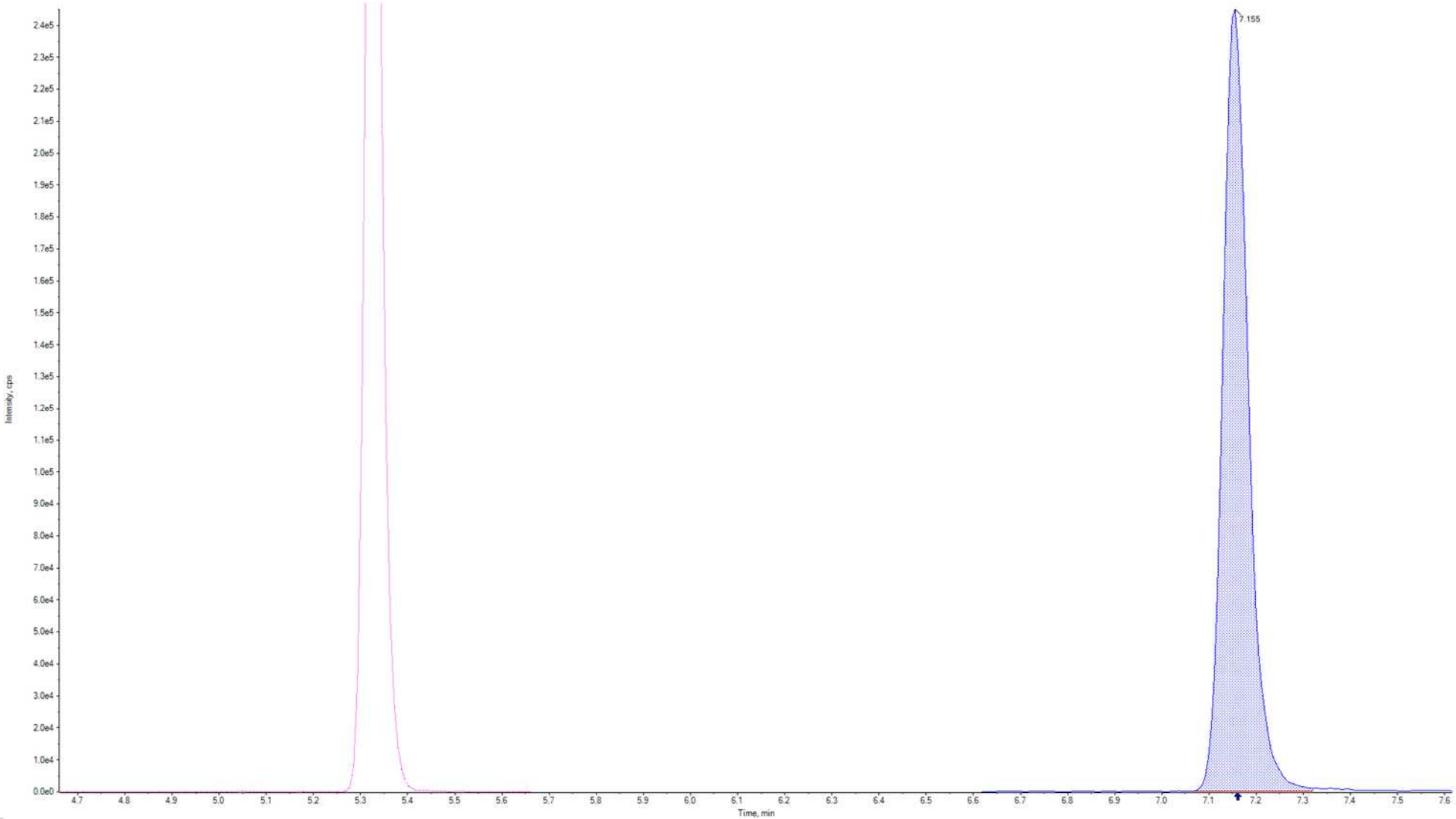
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA
Sample: CA1633STD-10 S/N:4990.5 Points Across peak:42



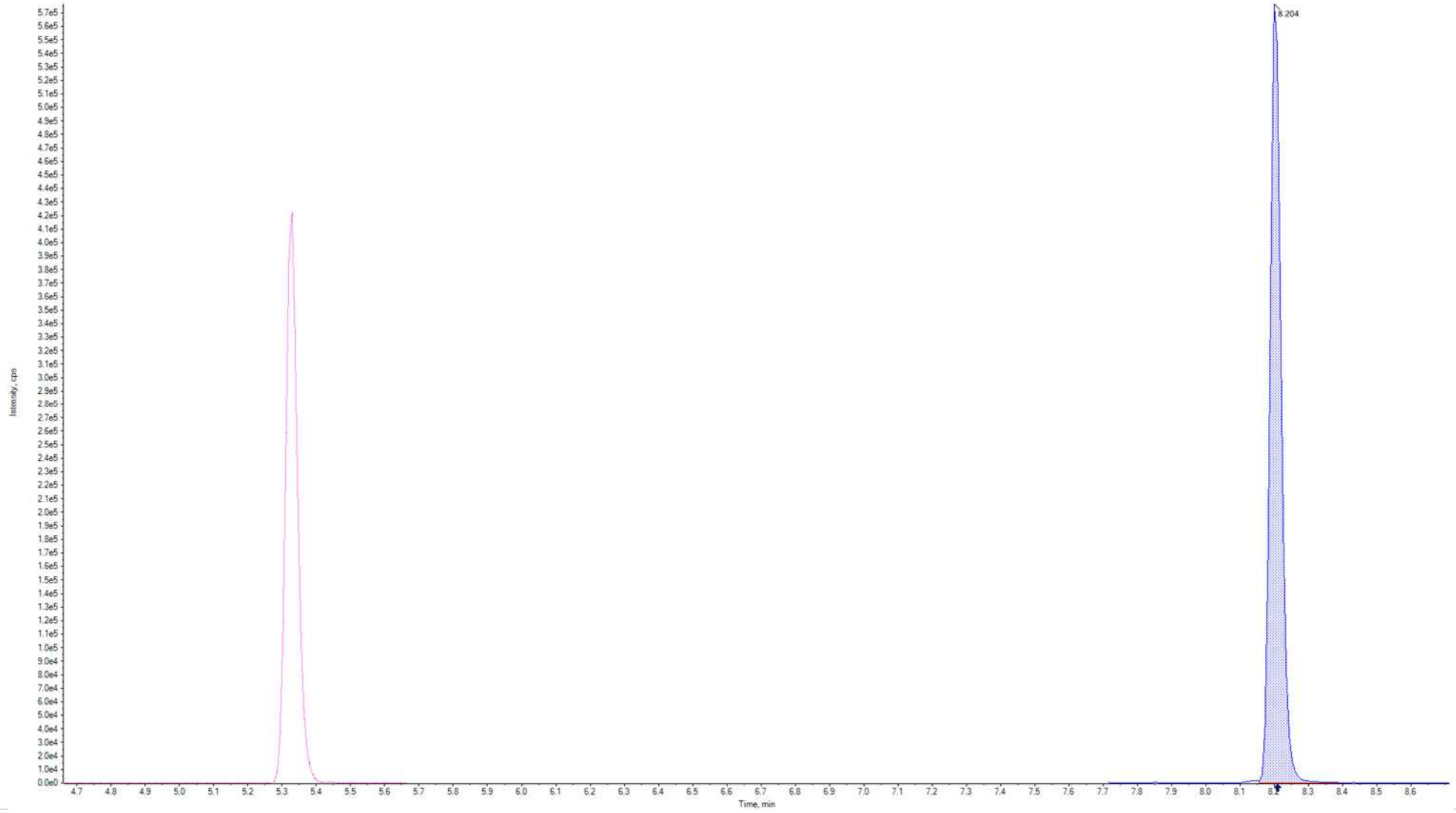
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA_2
Sample: CA1633STD-10 S/N:4206.9 Points Across peak:43



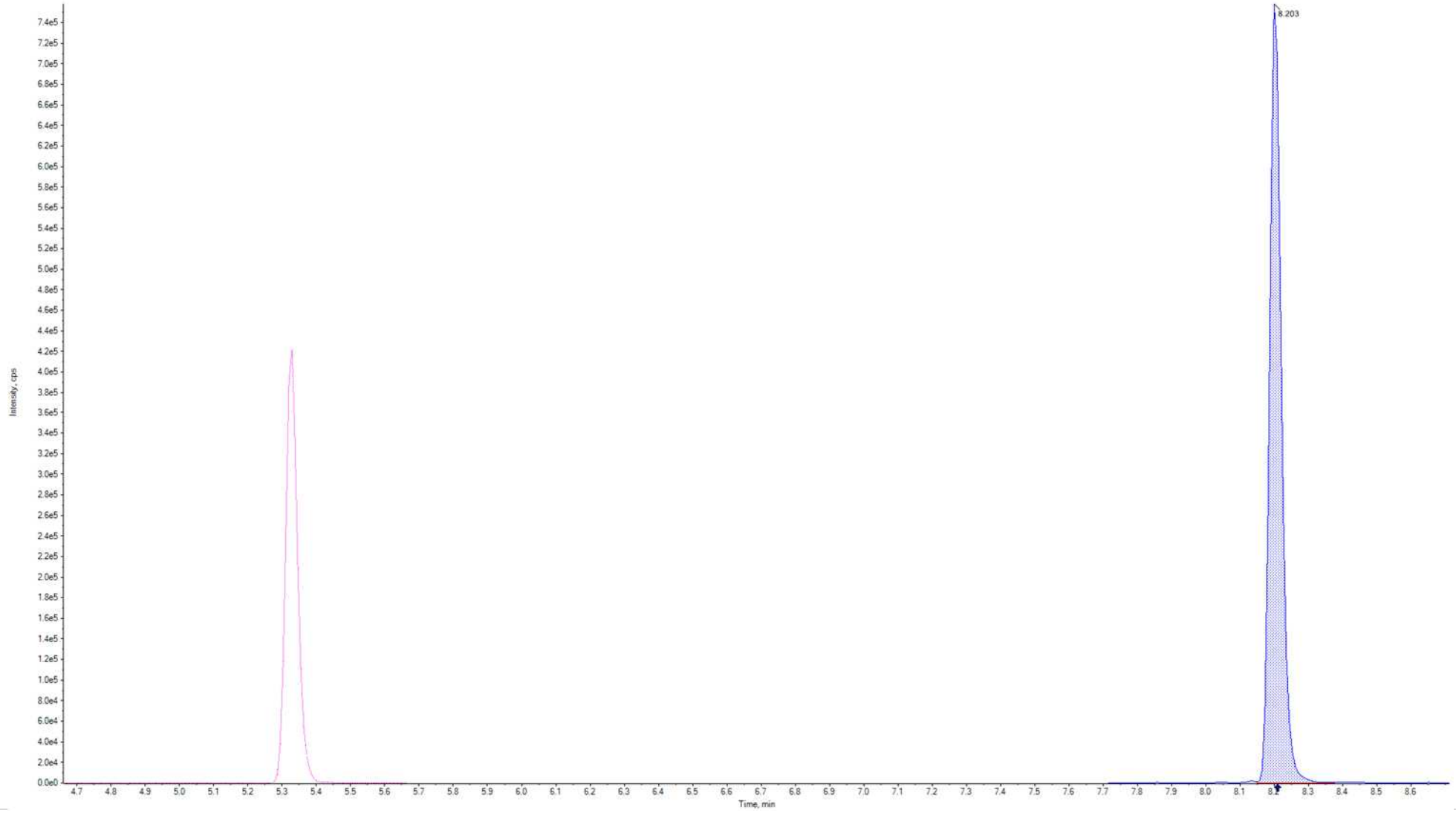
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA
Sample: CA1633STD-10 S/N:16604.3 Points Across peak:29



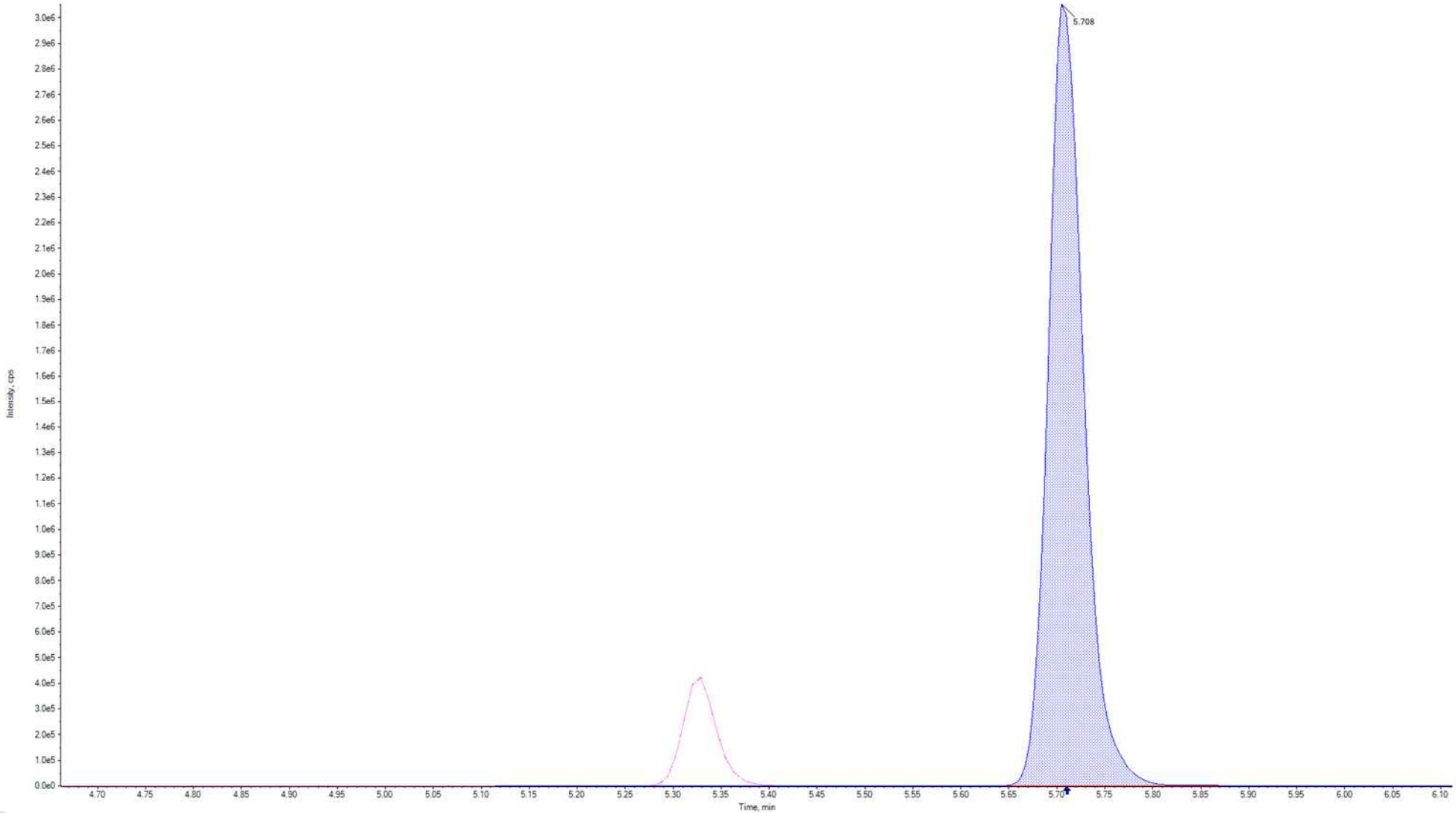
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA_2
Sample: CA1633STD-10 S/N:28046.4 Points Across peak:27



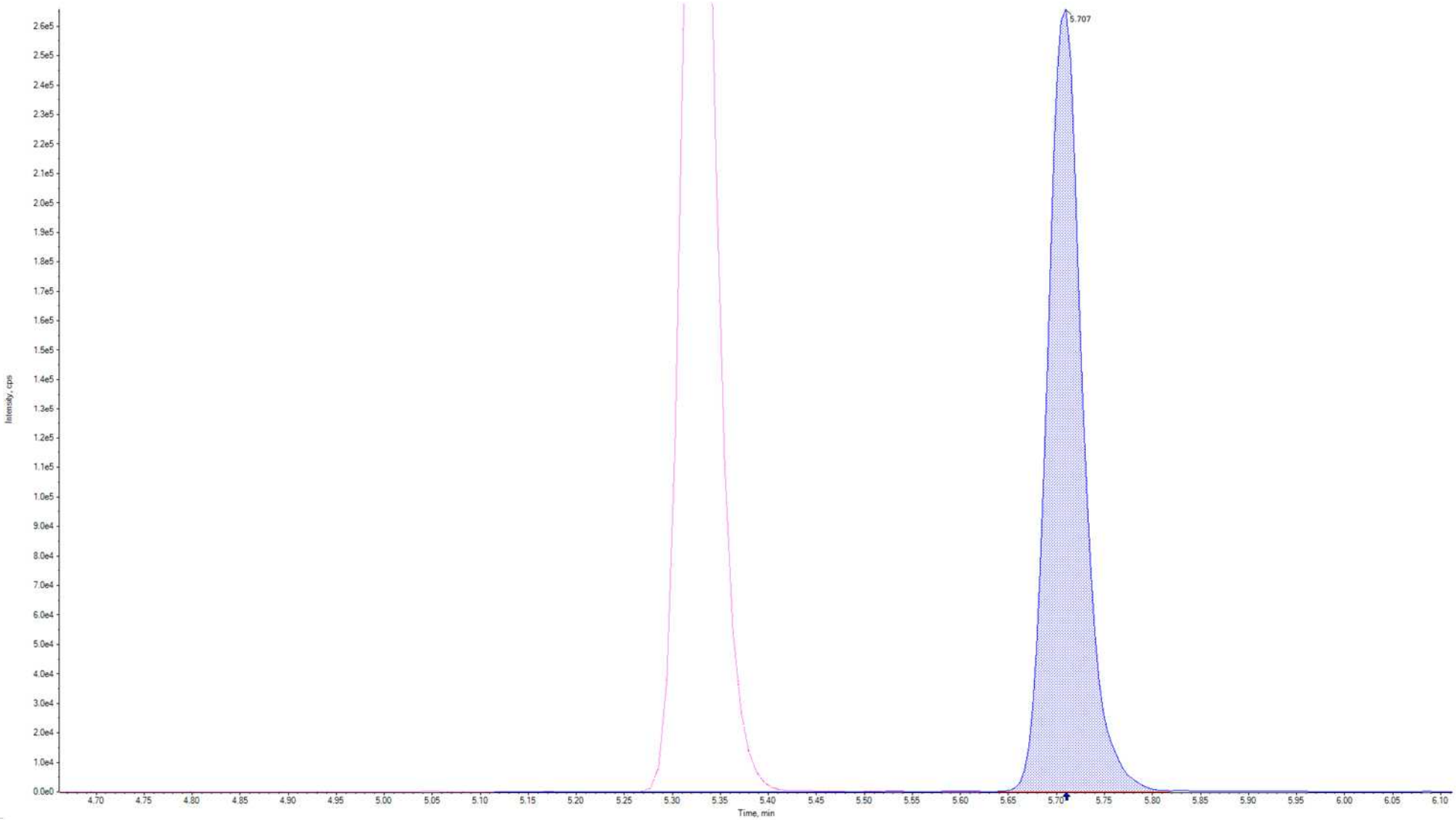
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA
Sample: CA1633STD-10 S/N:16542.2 Points Across peak:60



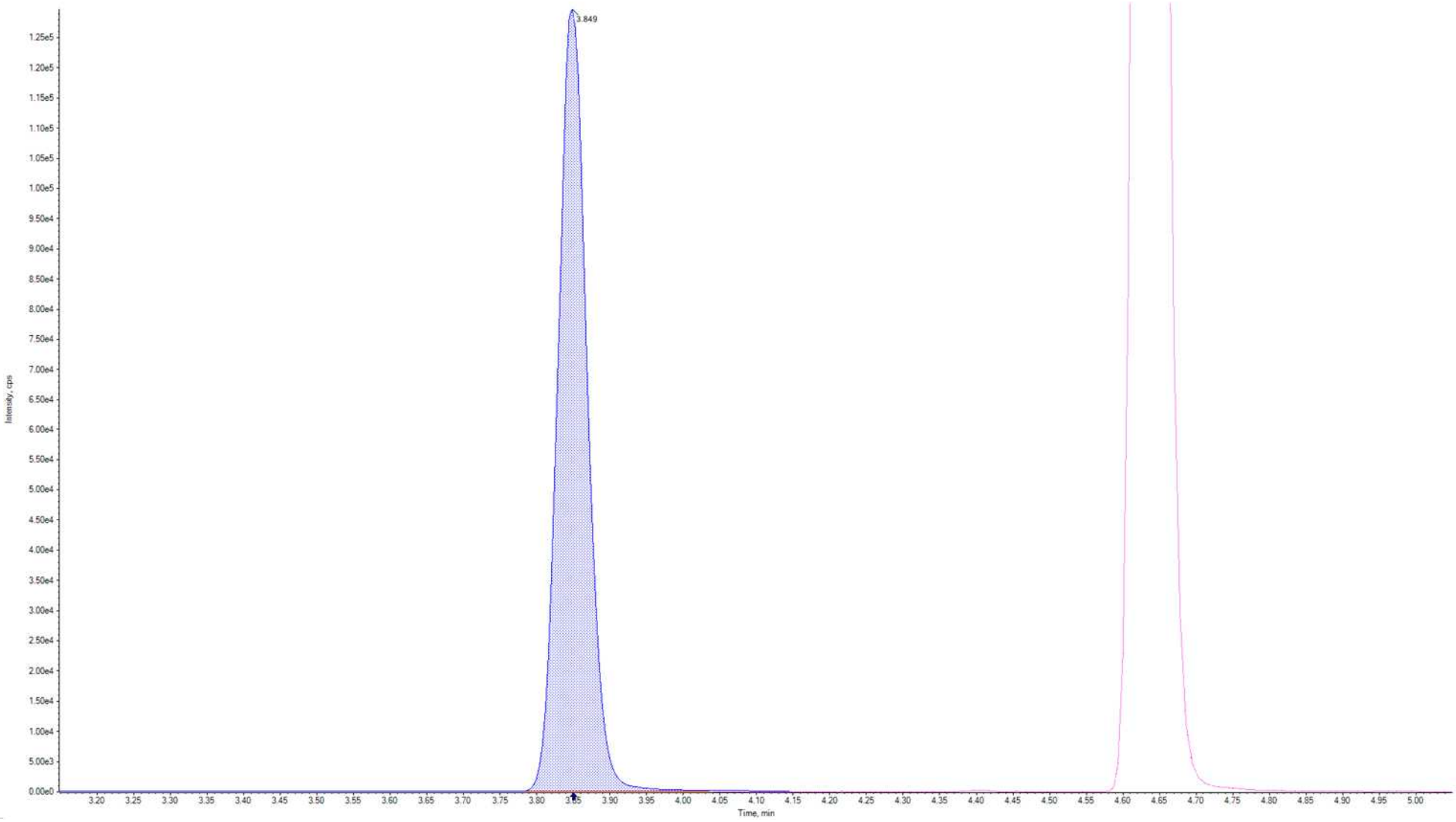
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA_2
Sample: CA1633STD-10 S/N:7952.6 Points Across peak:41



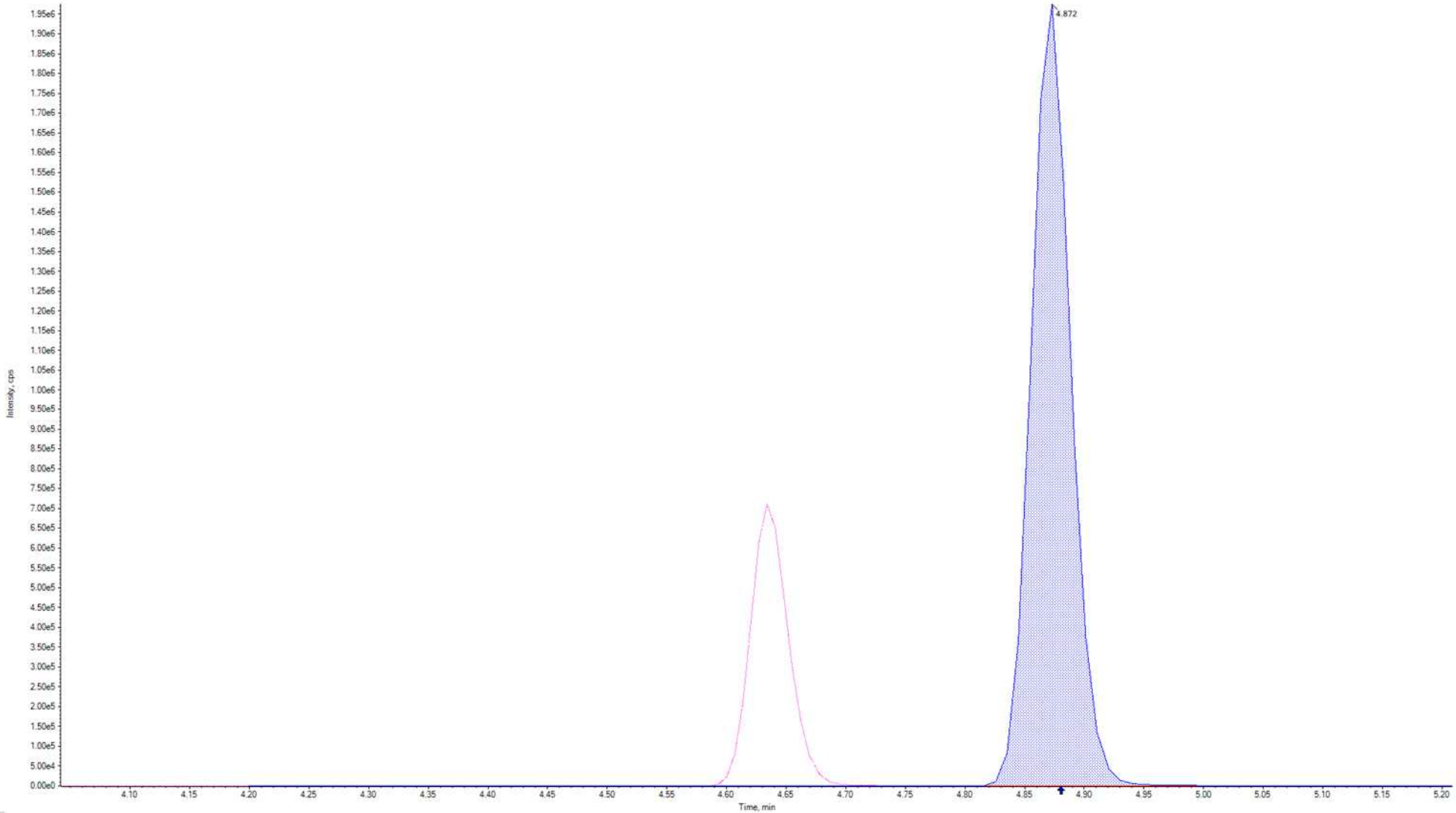
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMPA
Sample: CA1633STD-10 S/N:4072.8 Points Across peak:68



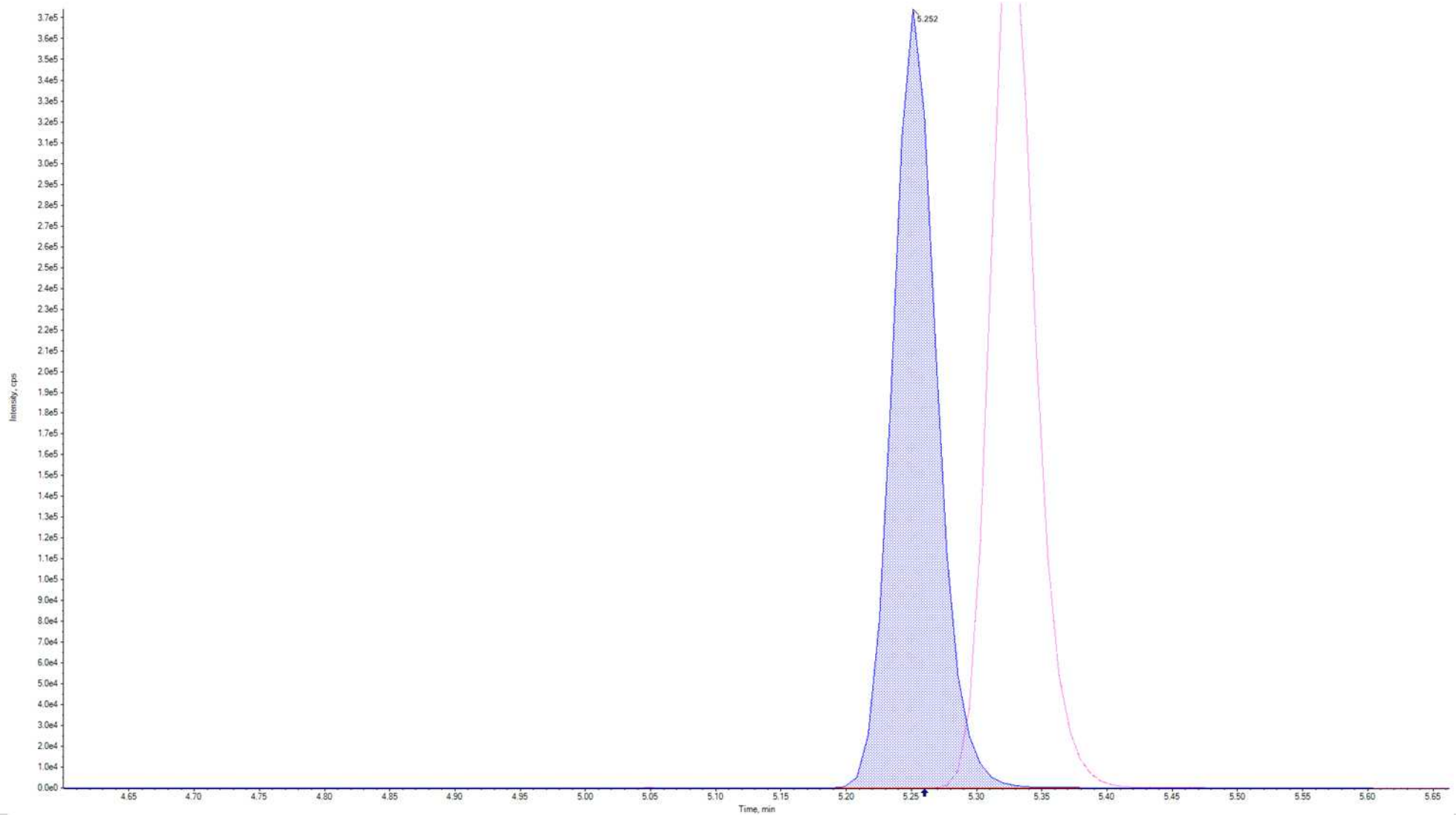
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMBA
Sample: CA1633STD-10 S/N:9696.0 Points Across peak:27



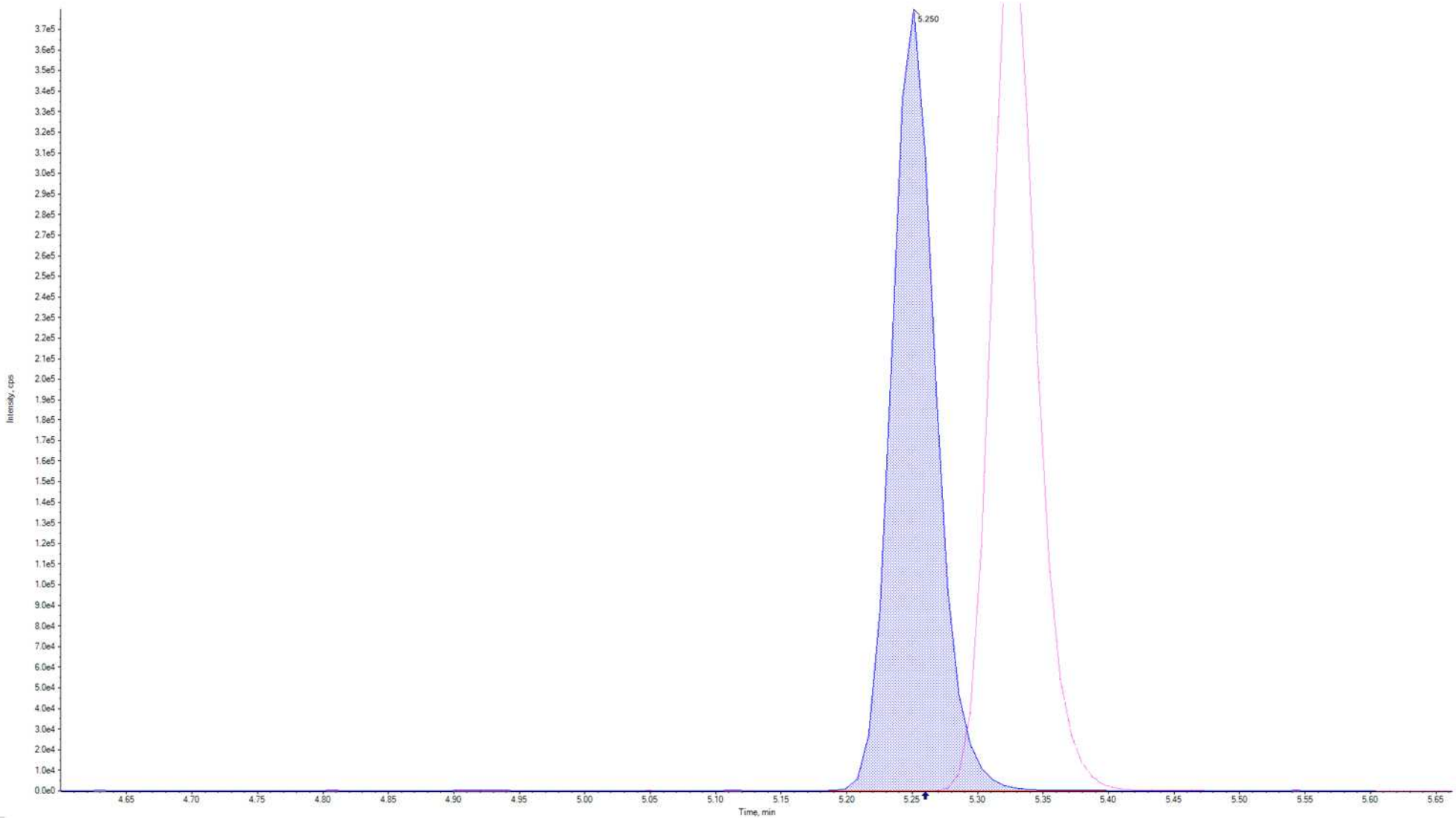
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA
Sample: CA1633STD-10 S/N:37574917.5 Points Across peak:29



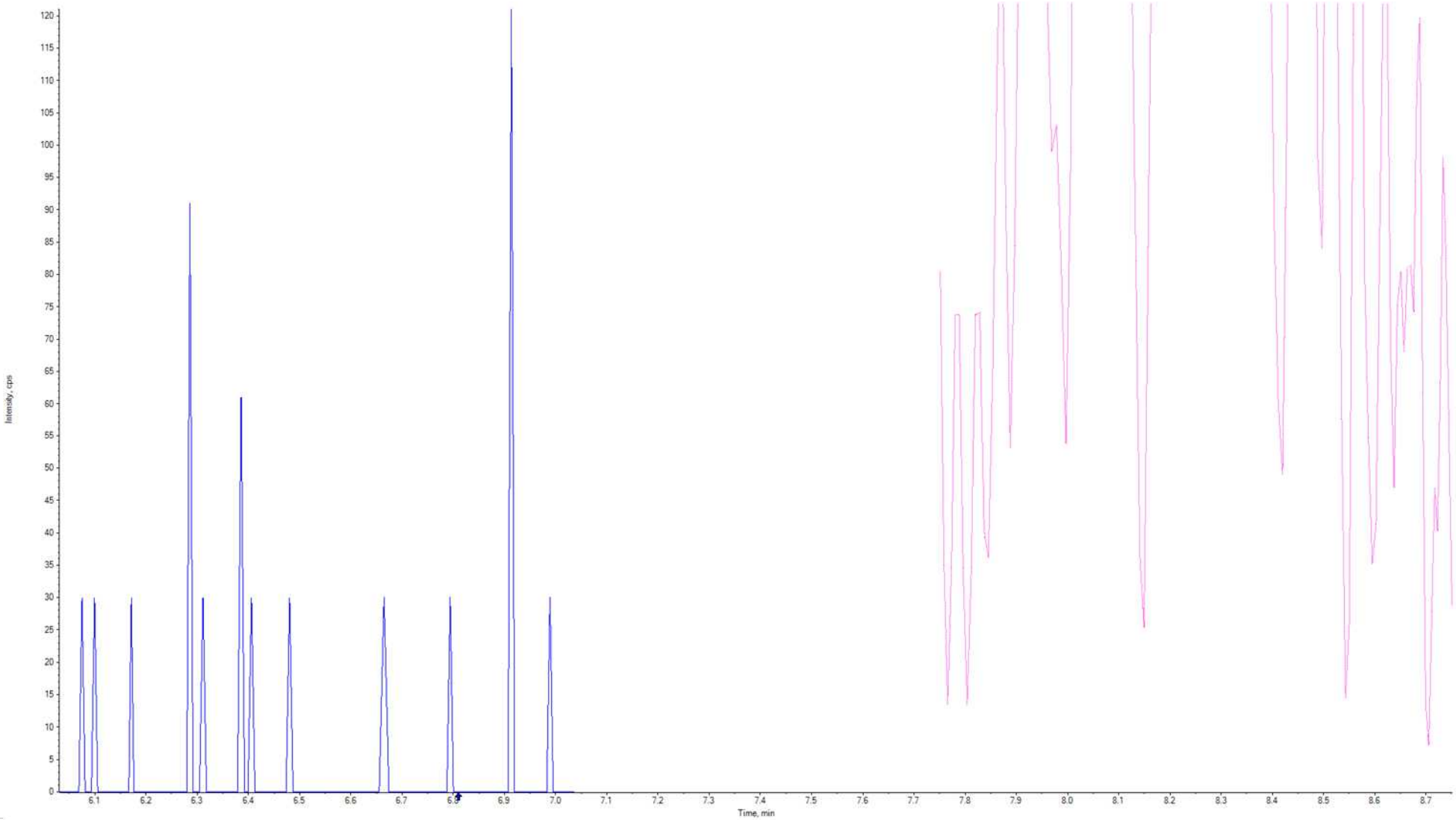
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA_2
Sample: CA1633STD-10 S/N:3976.4 Points Across peak:34



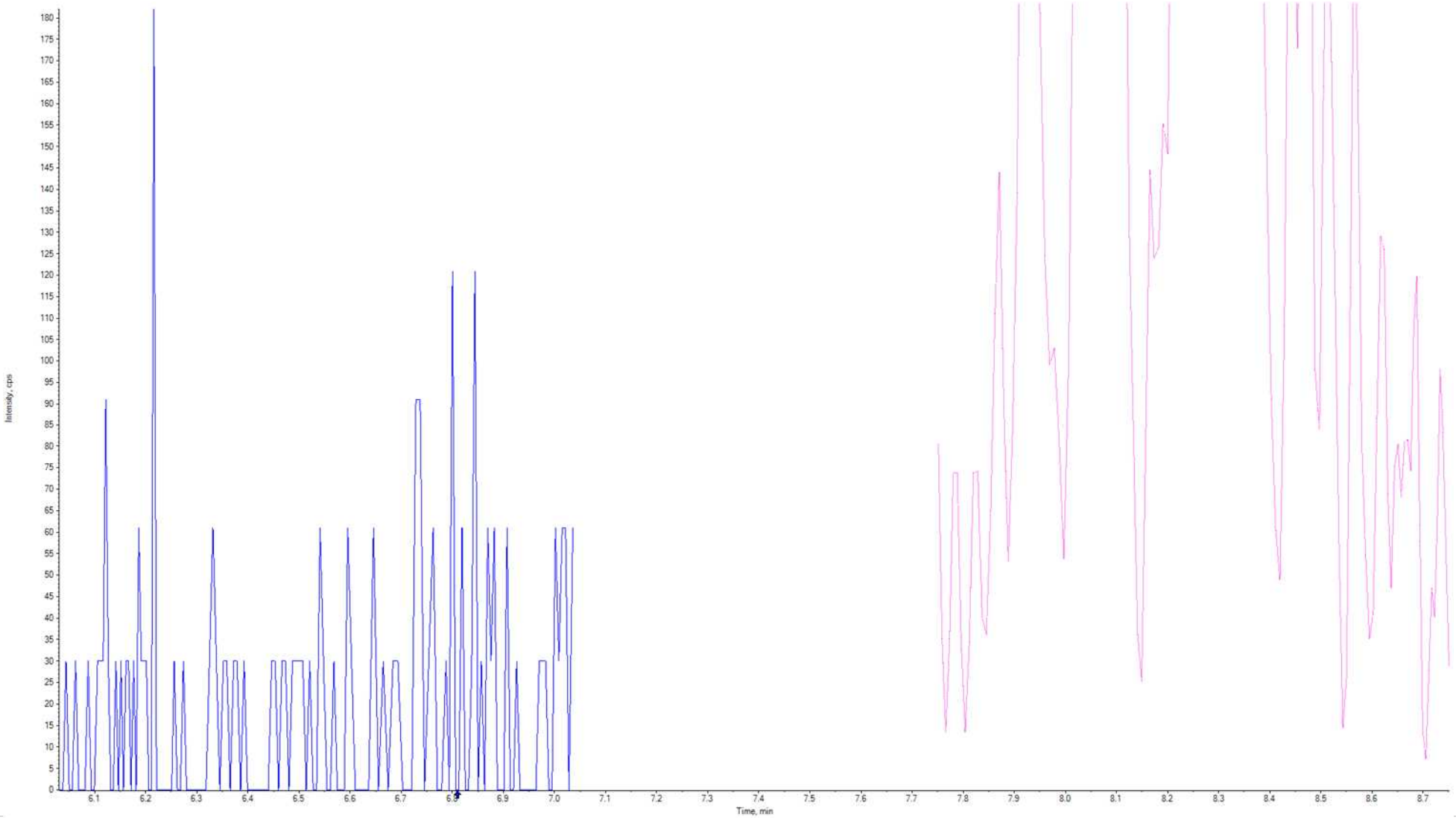
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



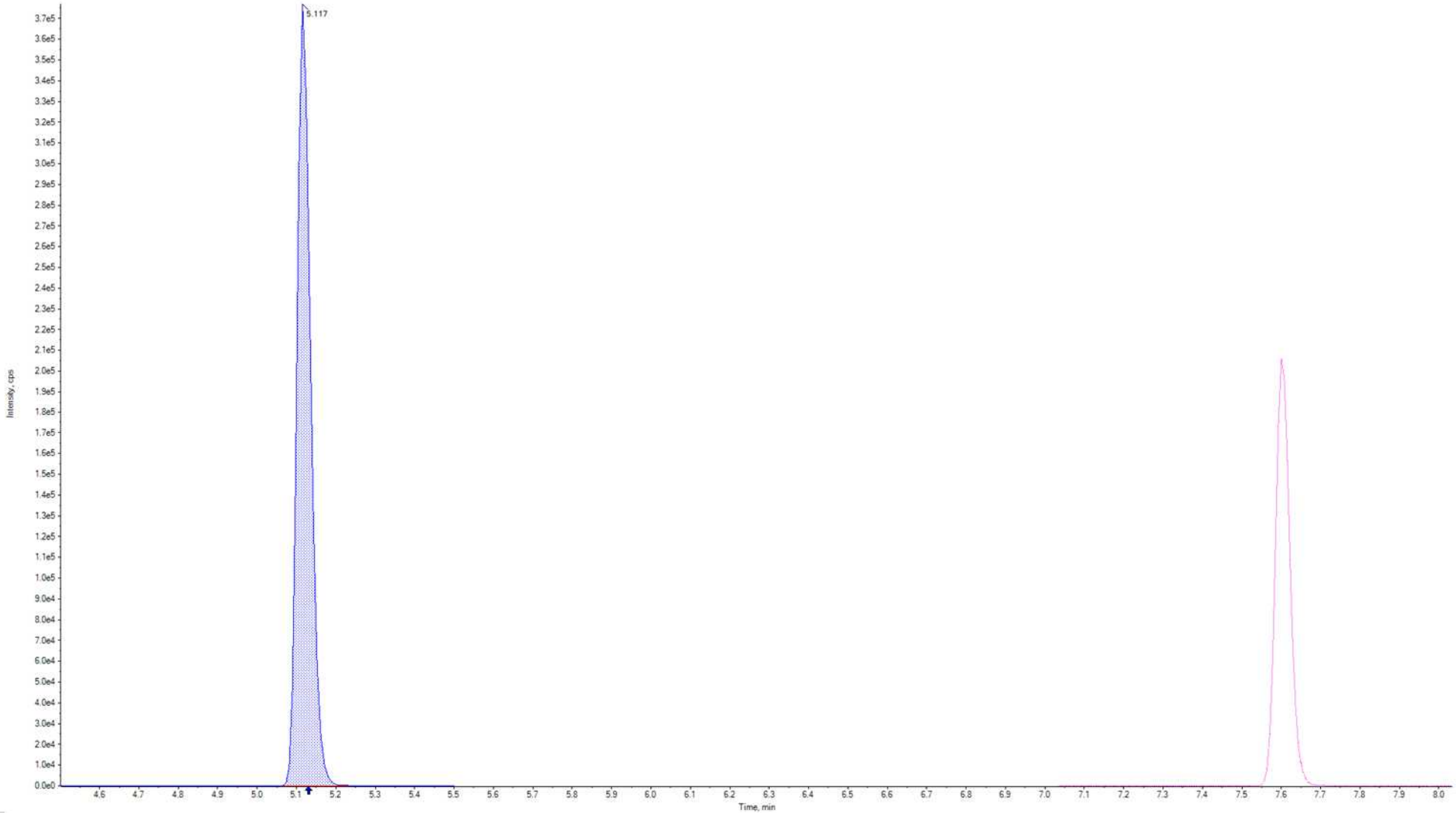
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA_2
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A



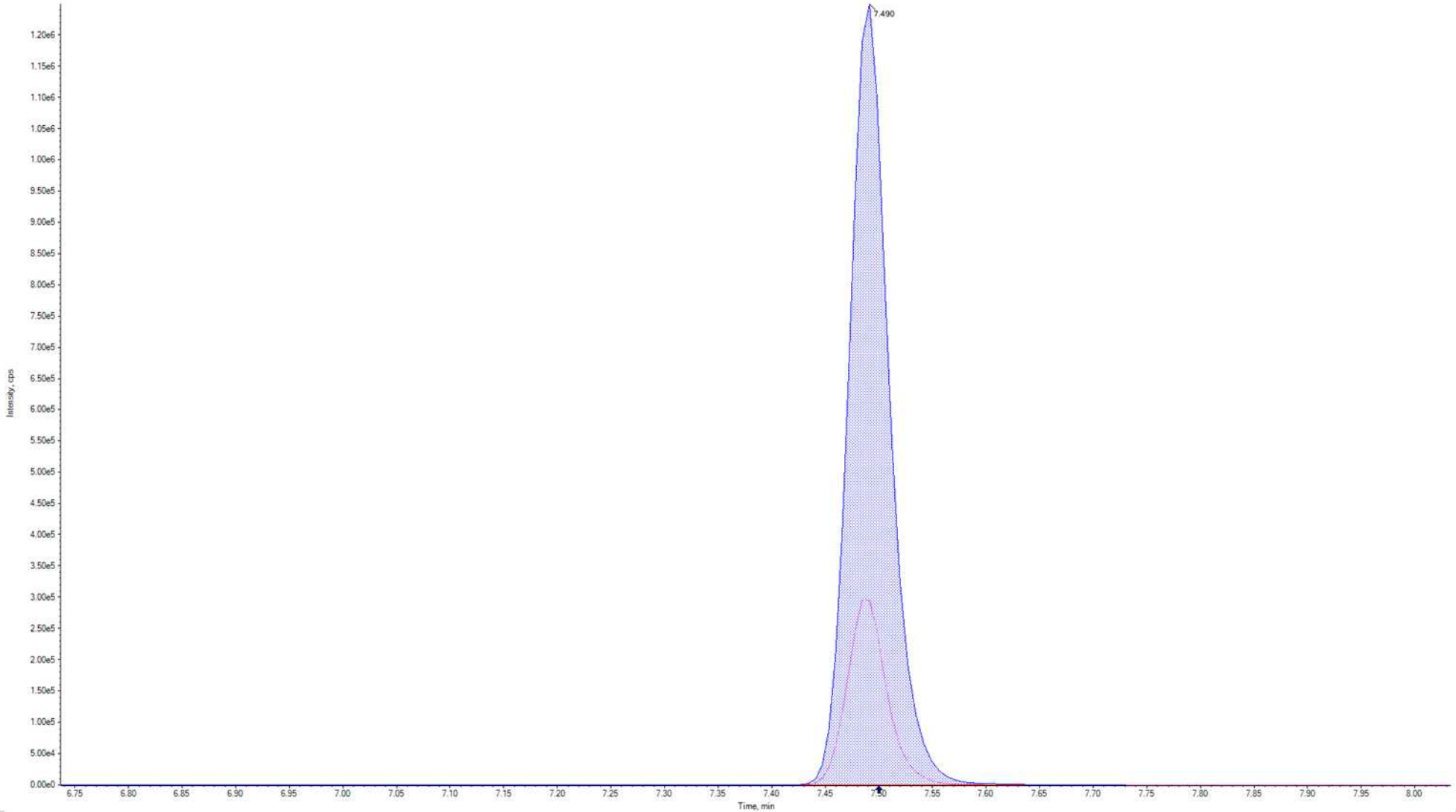
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2D4-4:2FTS
Sample: CA1633STD-10 S/N:8132.6 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFOA
Sample: CA1633STD-10 S/N:10276.5 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
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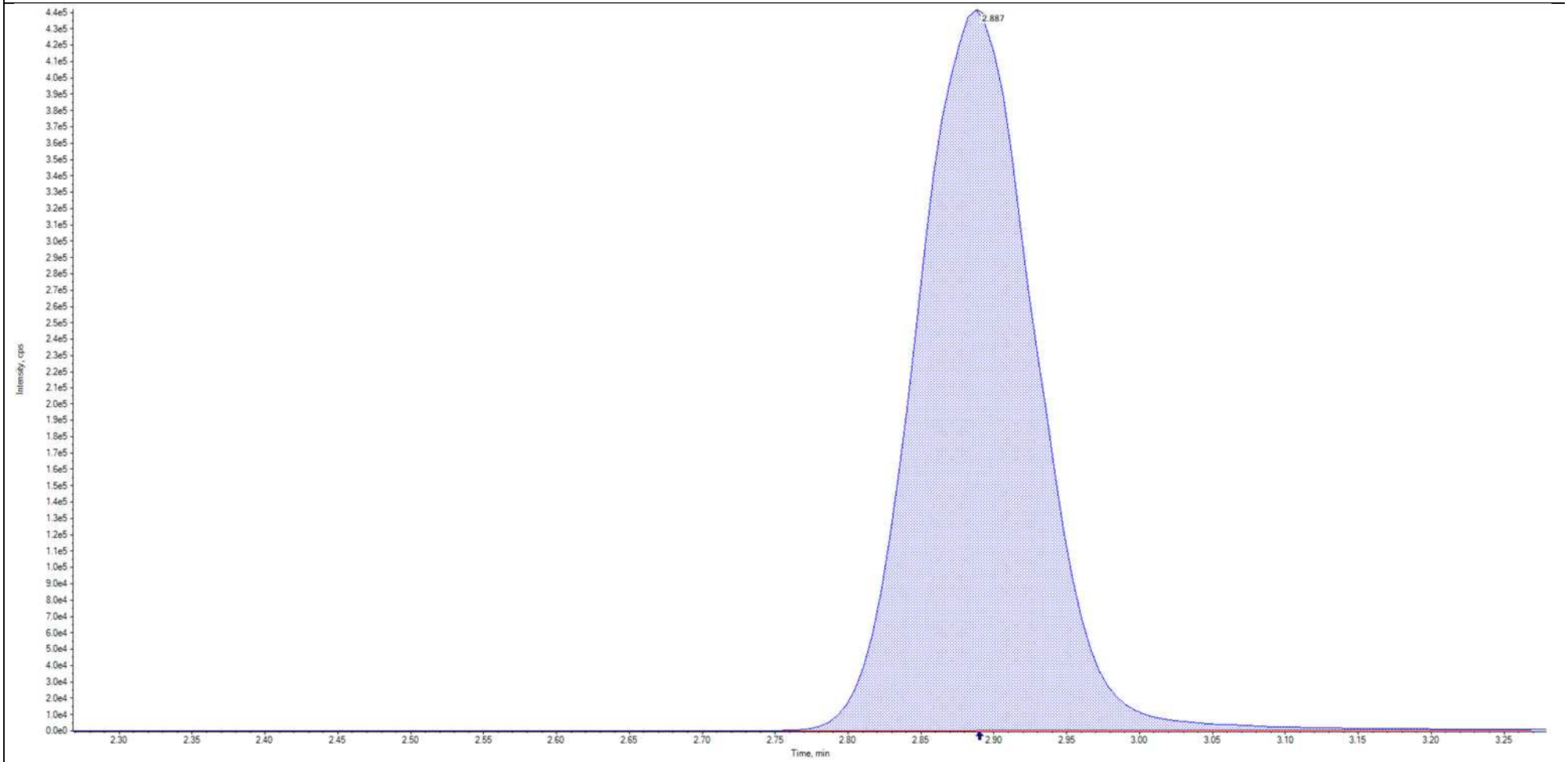
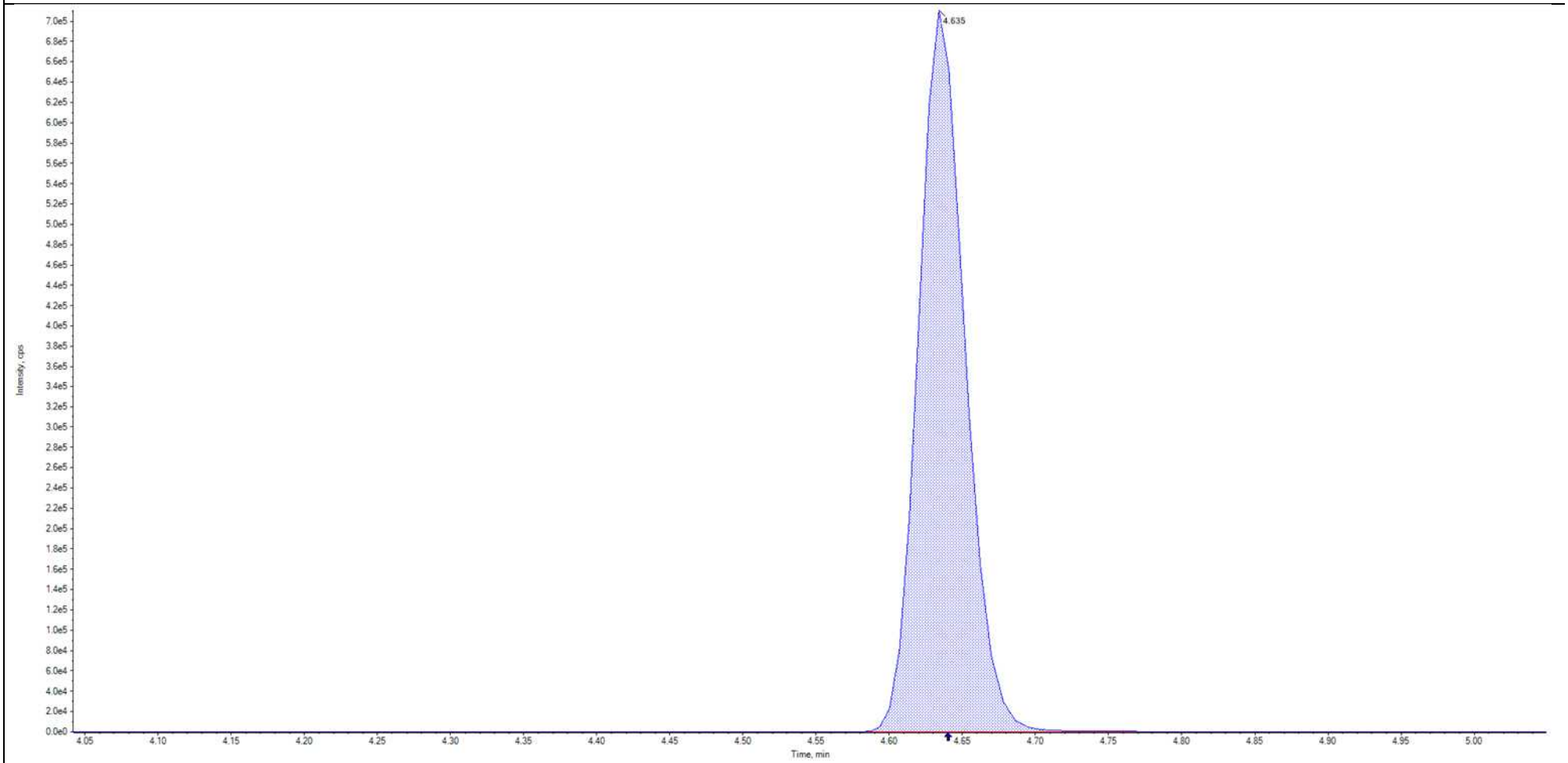
Generated: 8/14/2024 9:40:32 AM

13C4-PFBA
Sample: CA1633STD-10

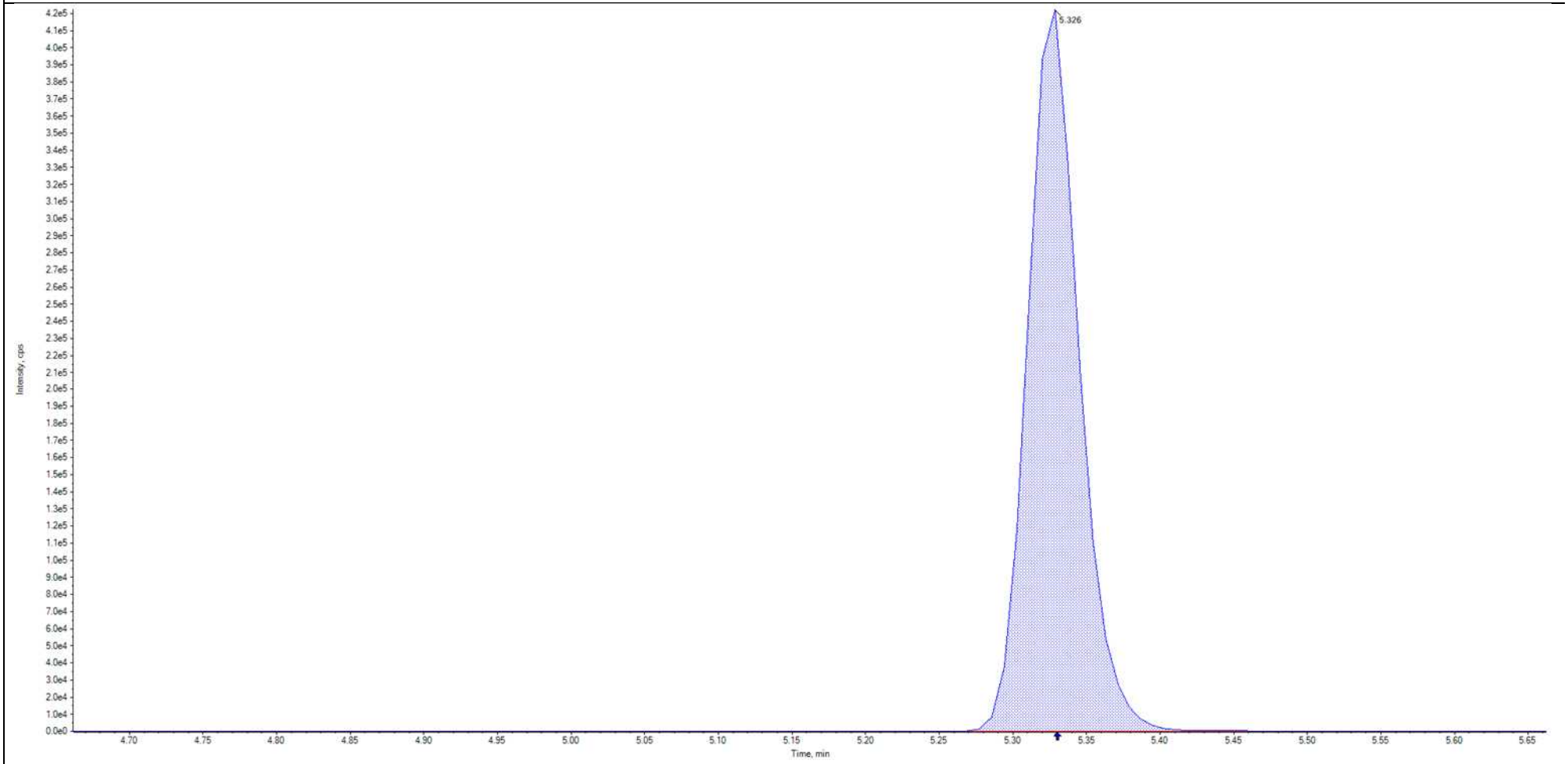


13C5-PFPeA
Sample: CA1633STD-10

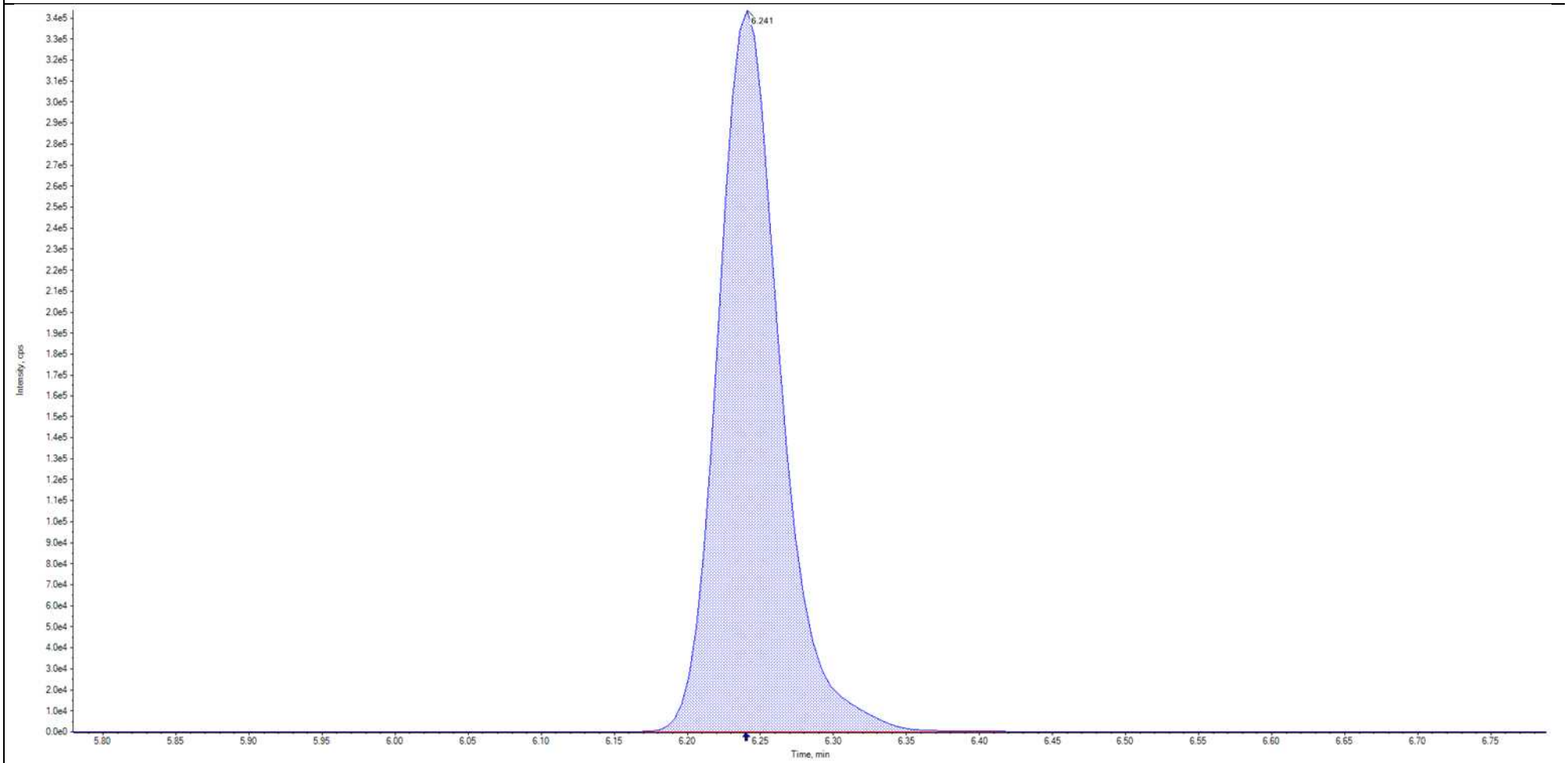


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

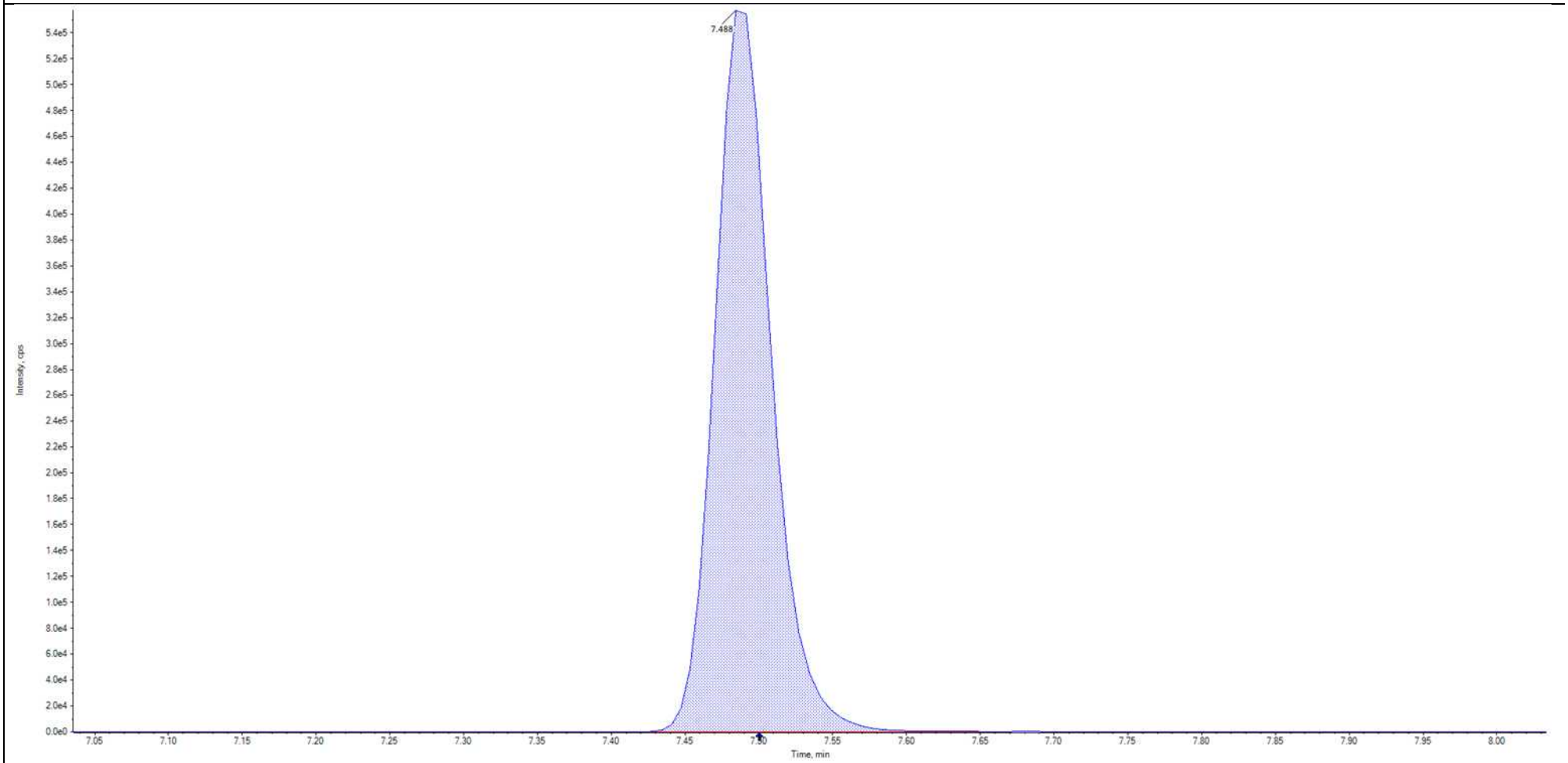
13C5-PFHxA
Sample: CA1633STD-10



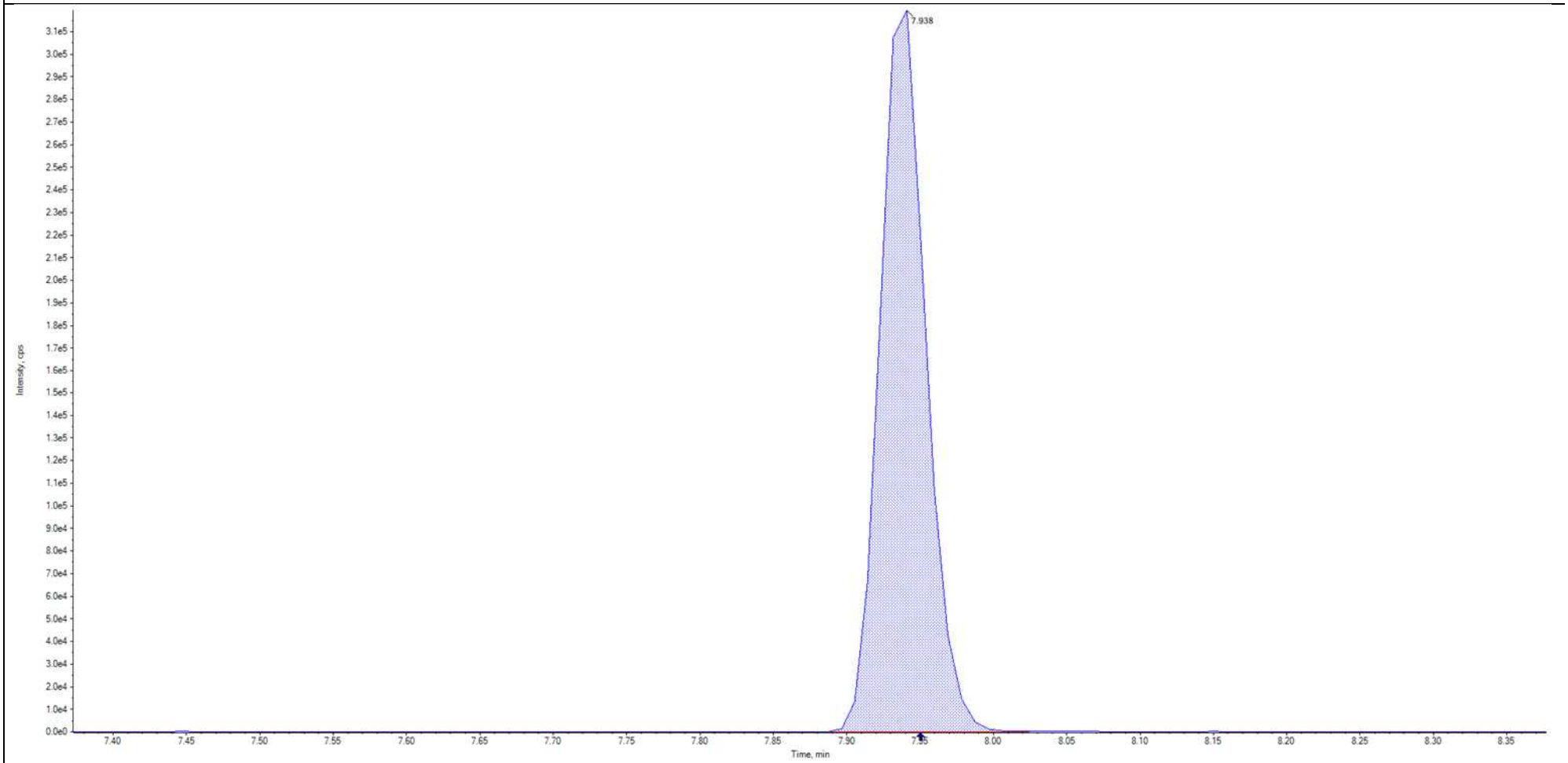
13C4-PFHpA
Sample: CA1633STD-10



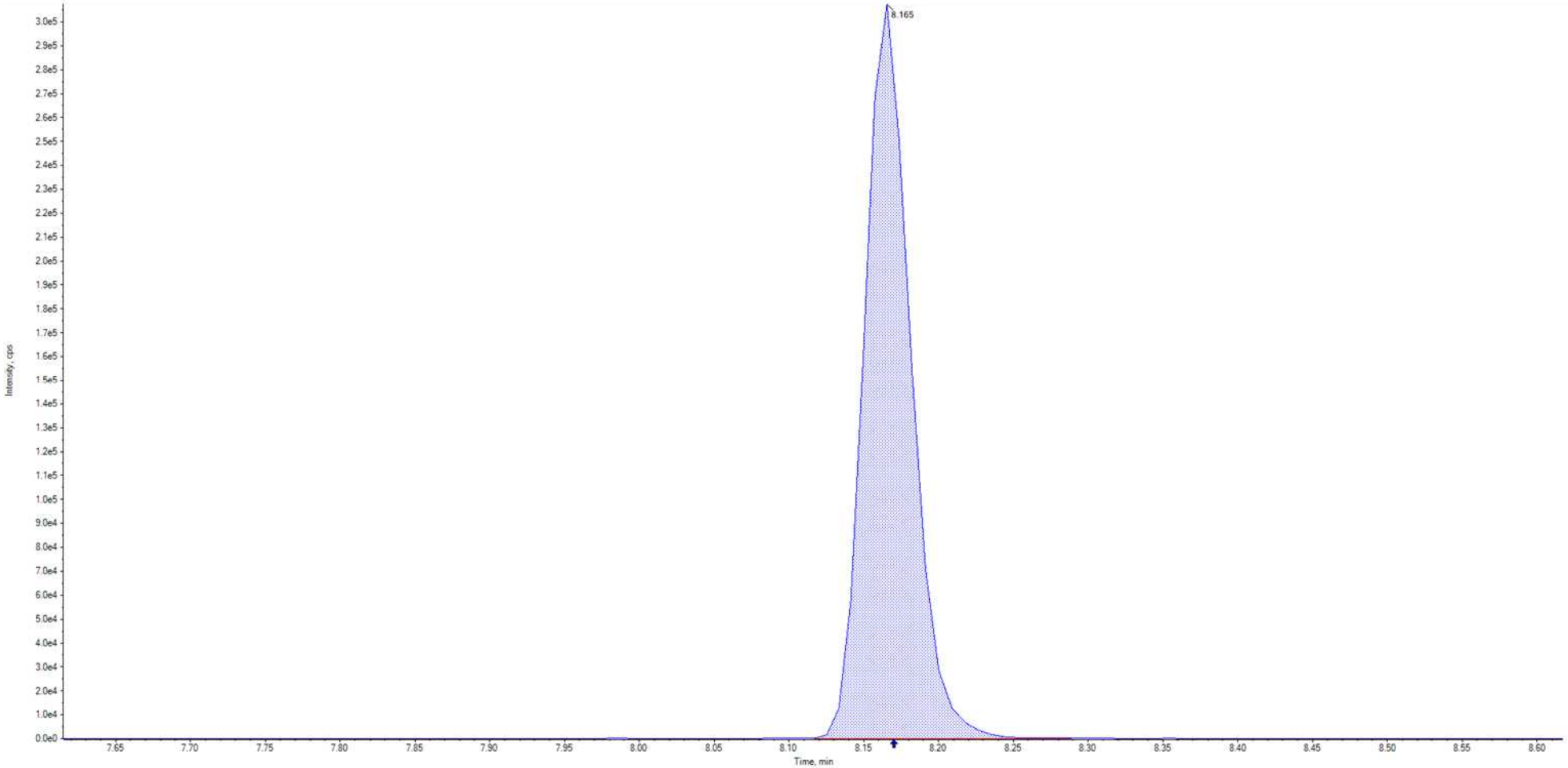
13C8-PFOA
Sample: CA1633STD-10



13C9-PFNA
Sample: CA1633STD-10

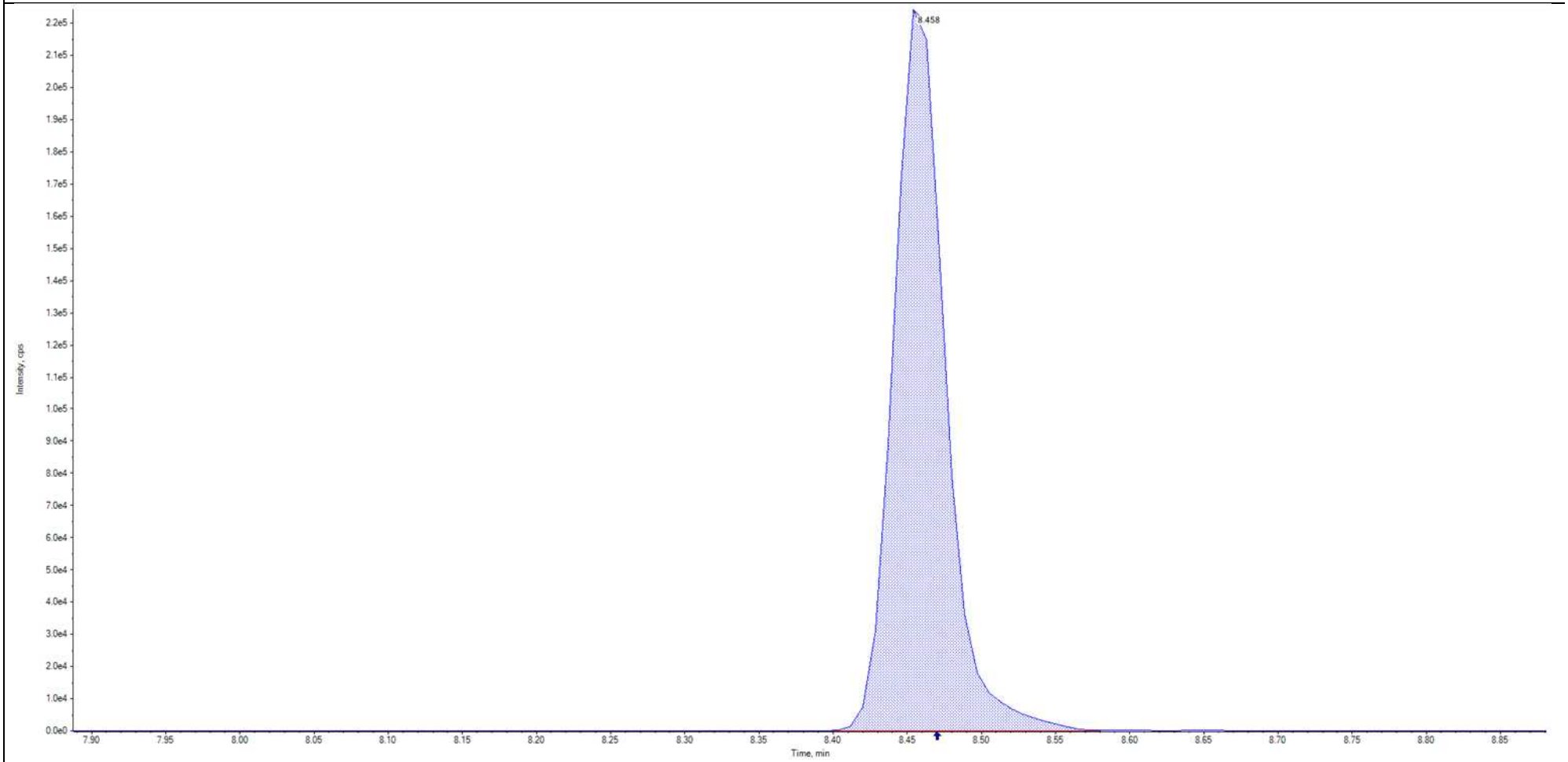


13C6-PFDA
Sample: CA1633STD-10

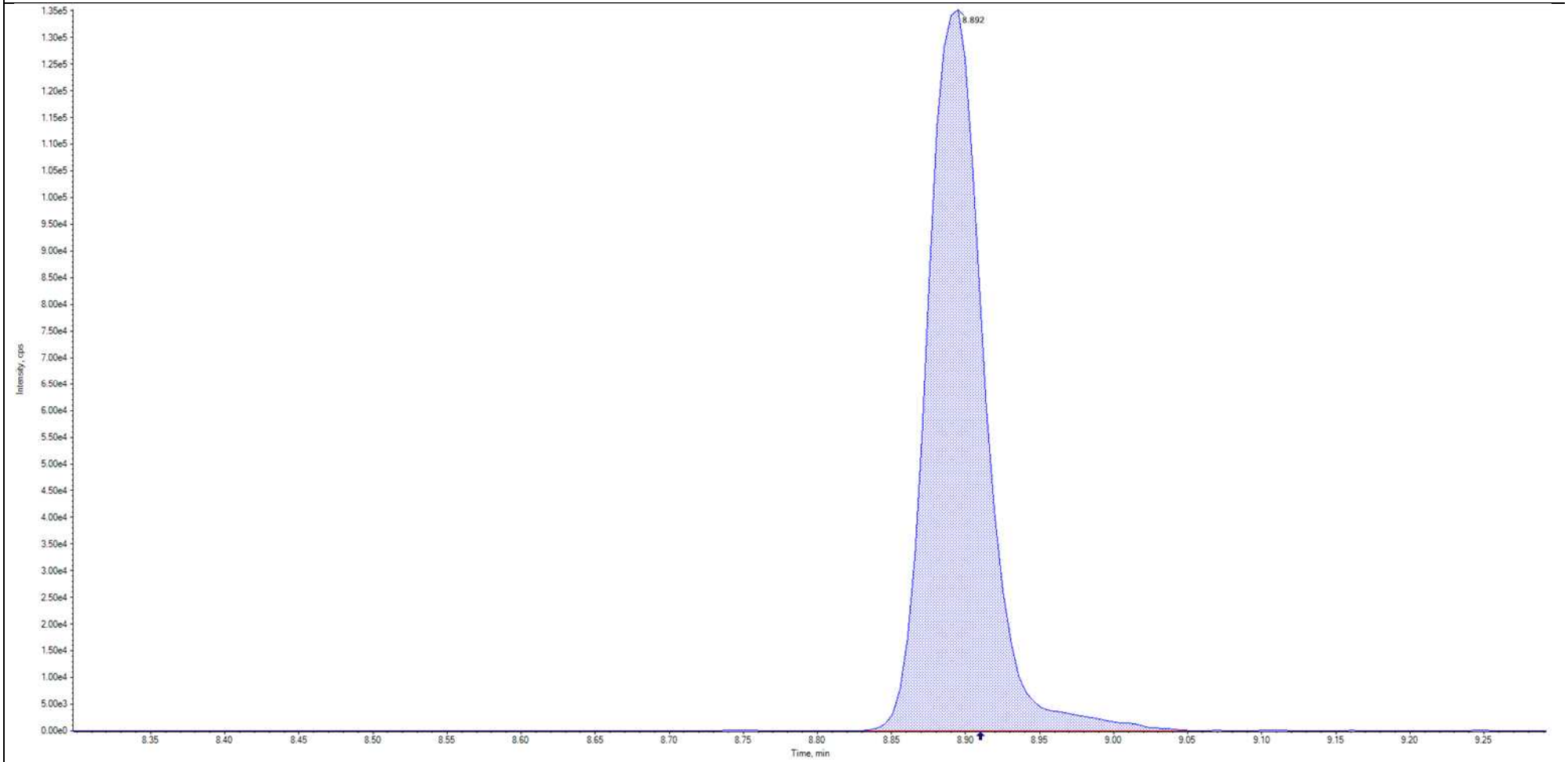


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C7-PFUnA
Sample: CA1633STD-10

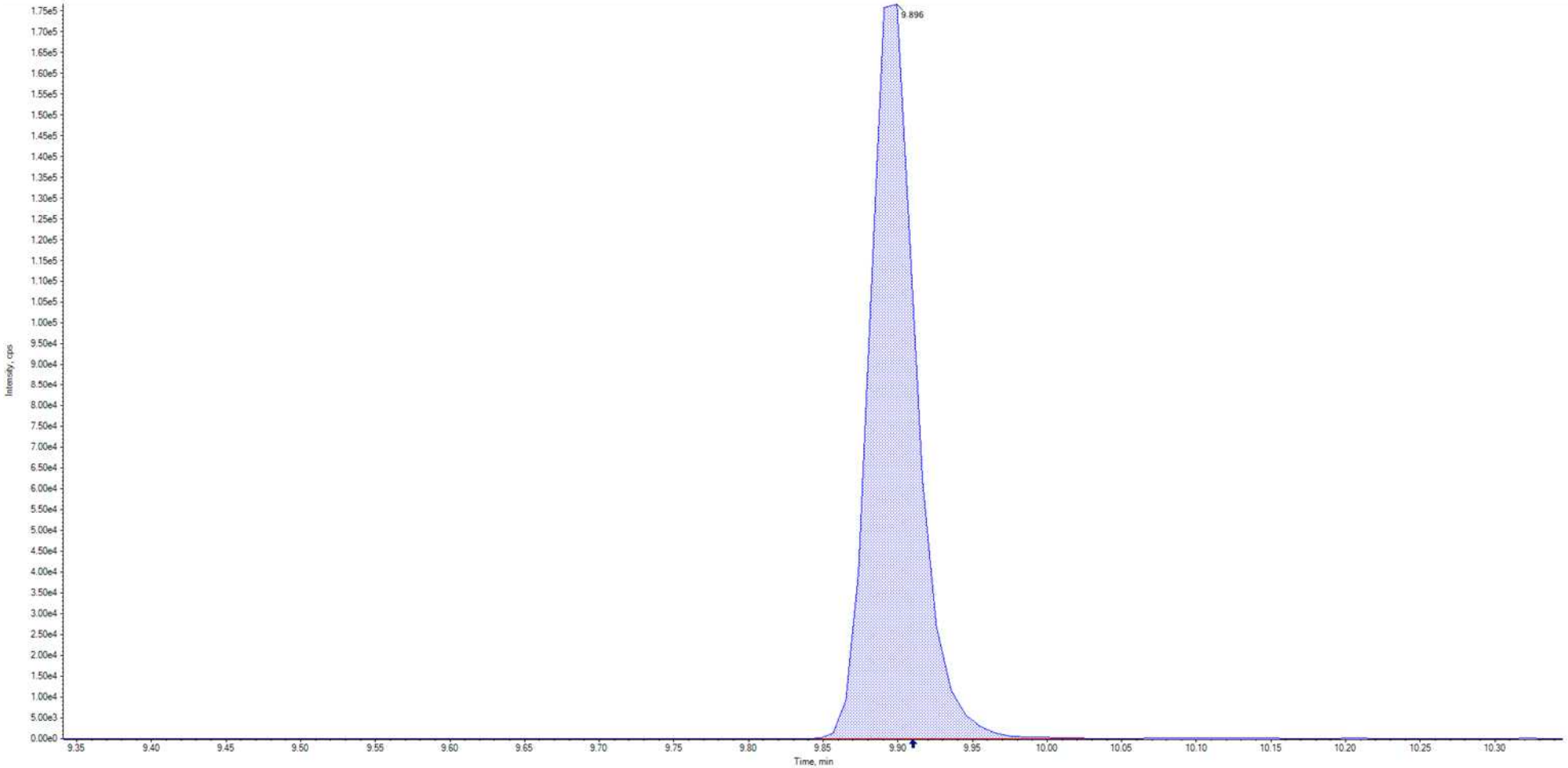


13C2-PFDoA
Sample: CA1633STD-10

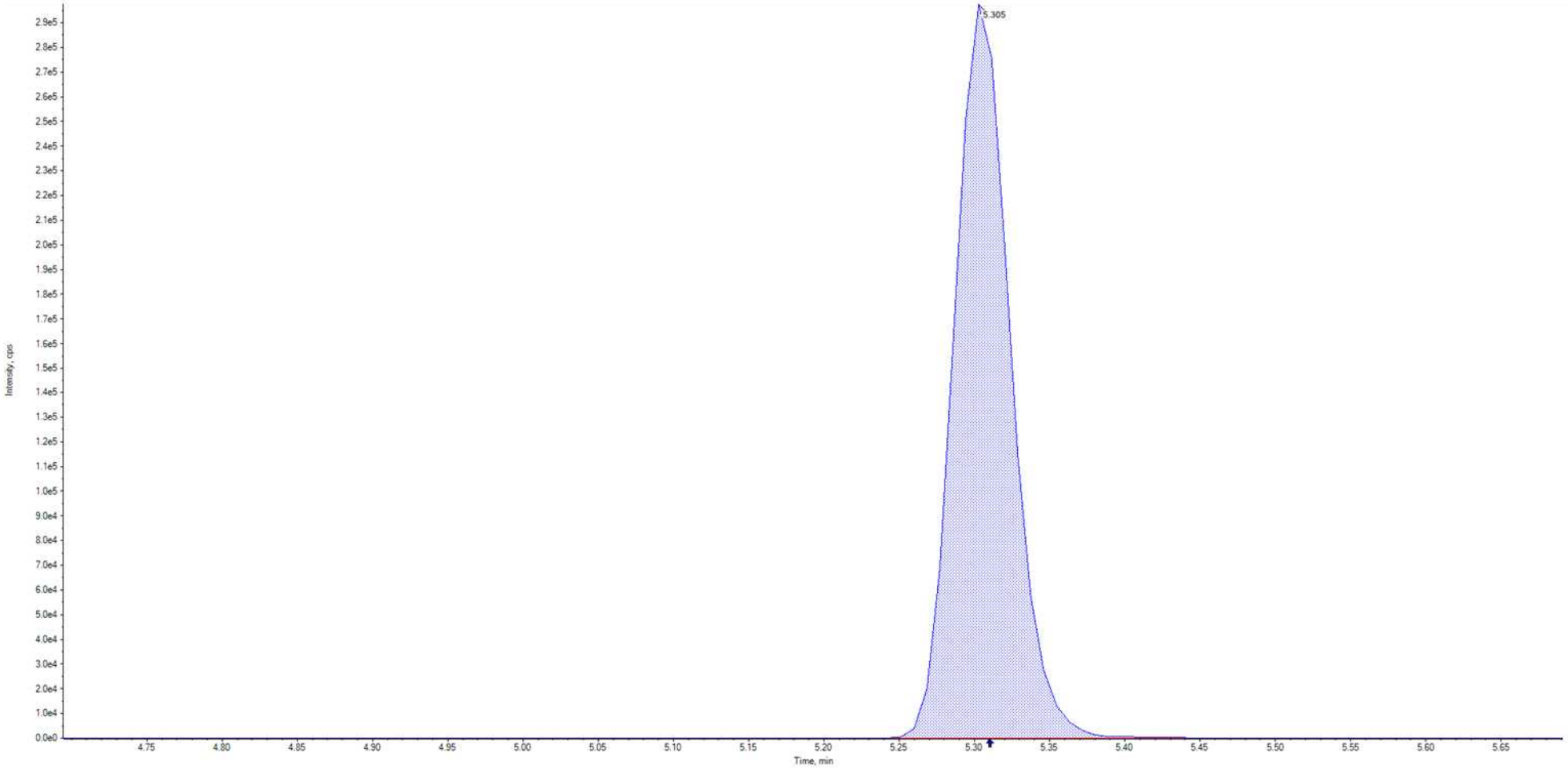


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

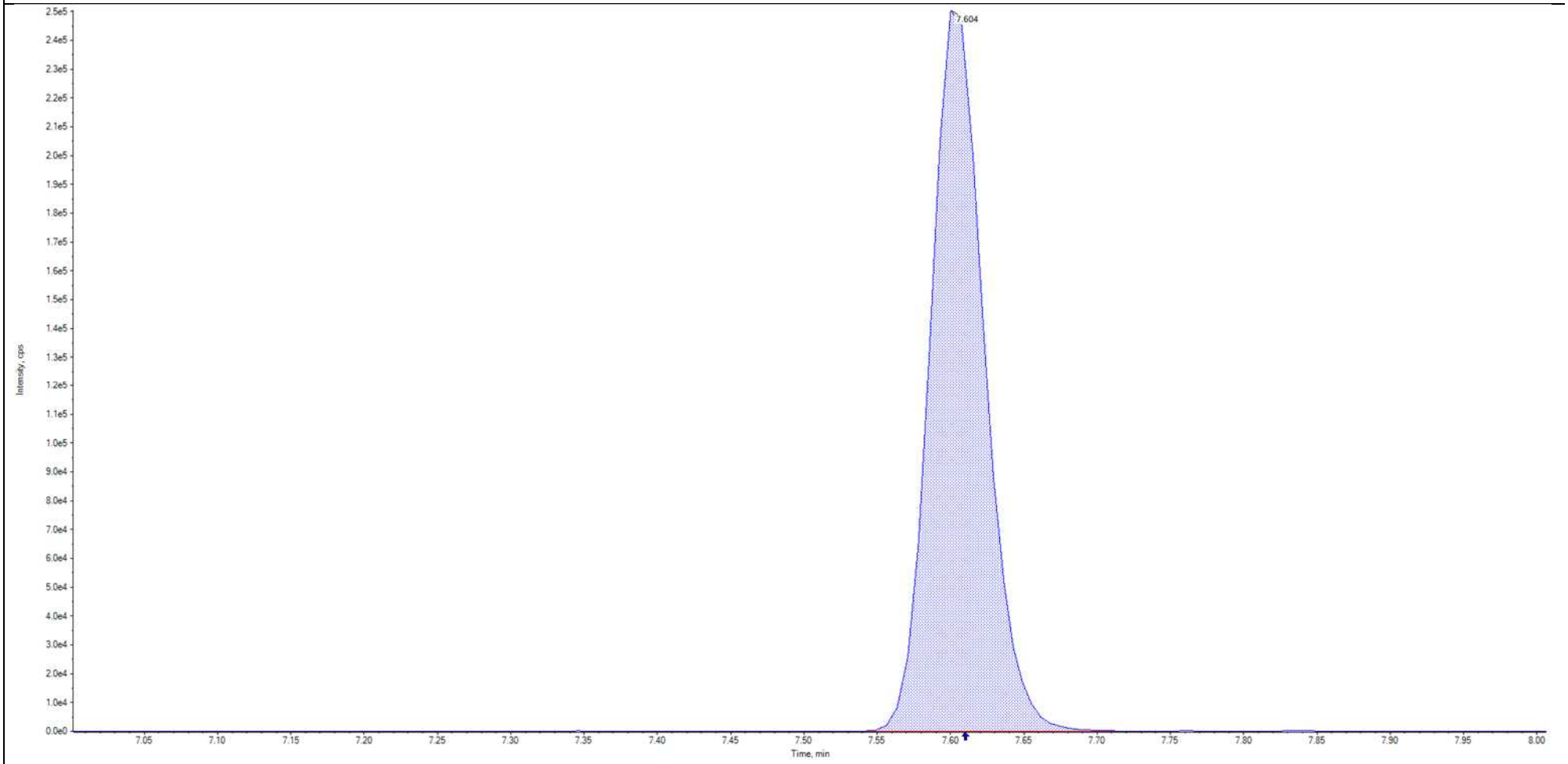
13C2-PFTeDA
Sample: CA1633STD-10



13C3-PFBS
Sample: CA1633STD-10

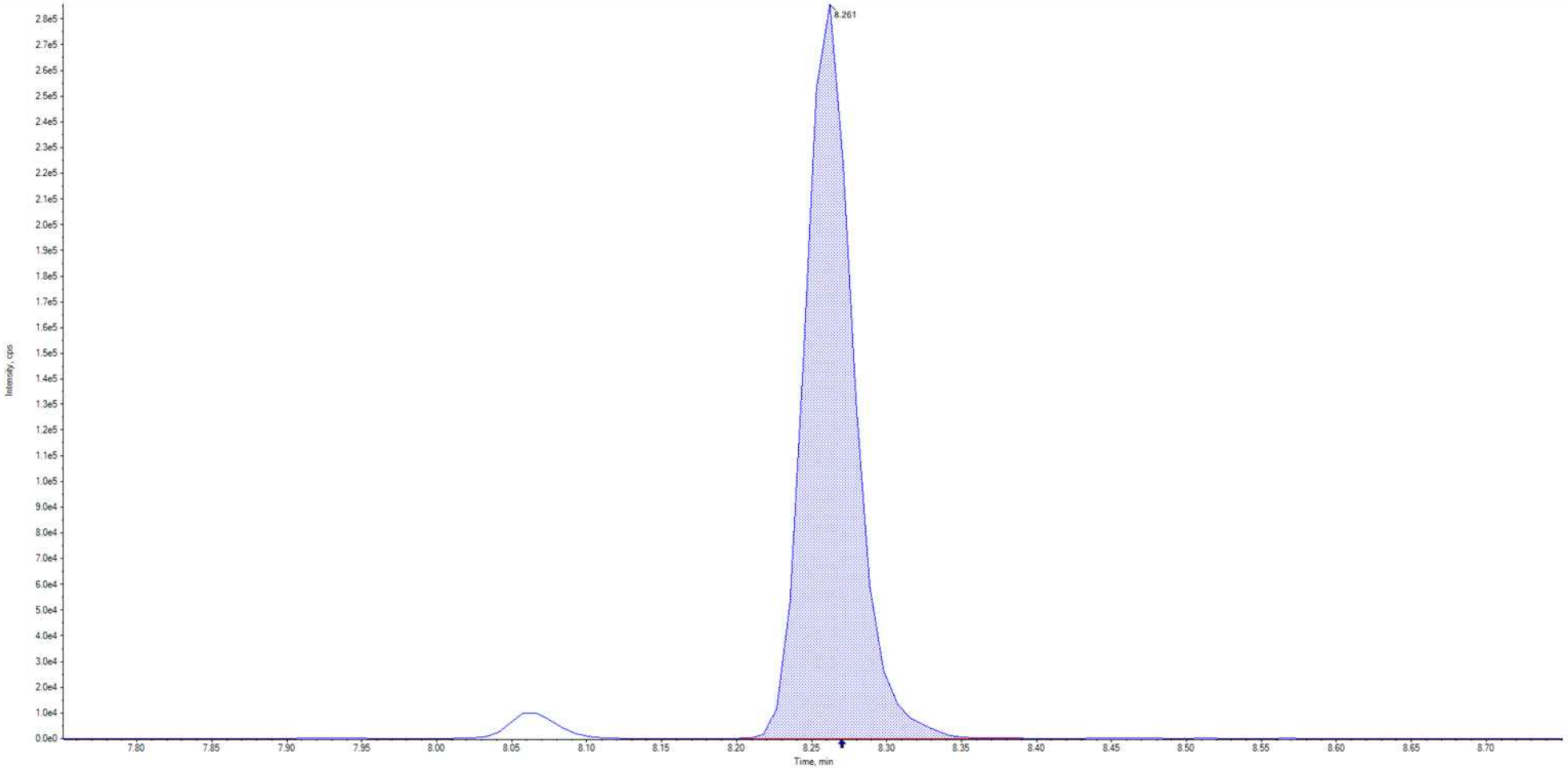


13C3-PFHxS
Sample: CA1633STD-10



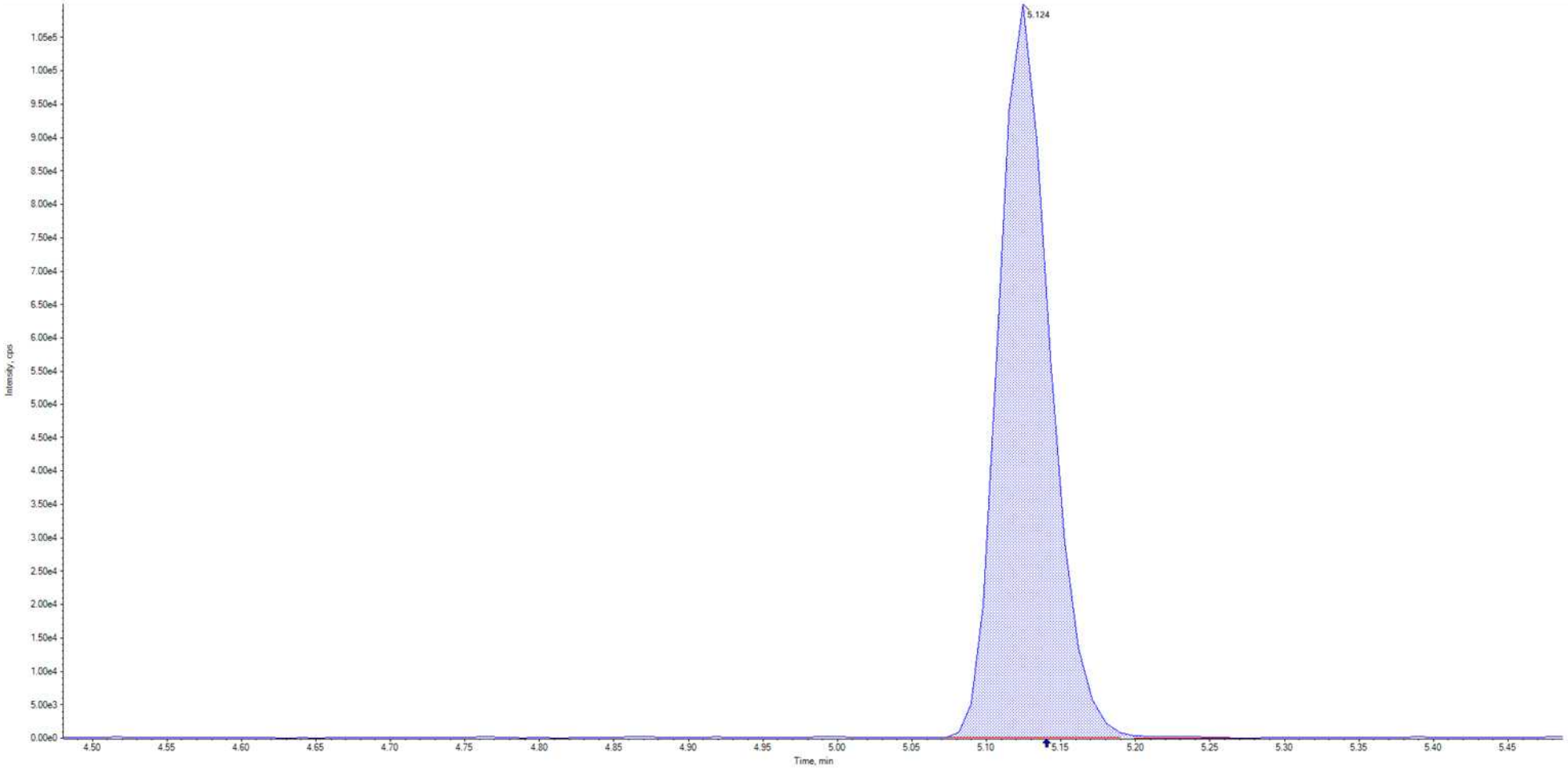
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C8-PFOS
Sample: CA1633STD-10

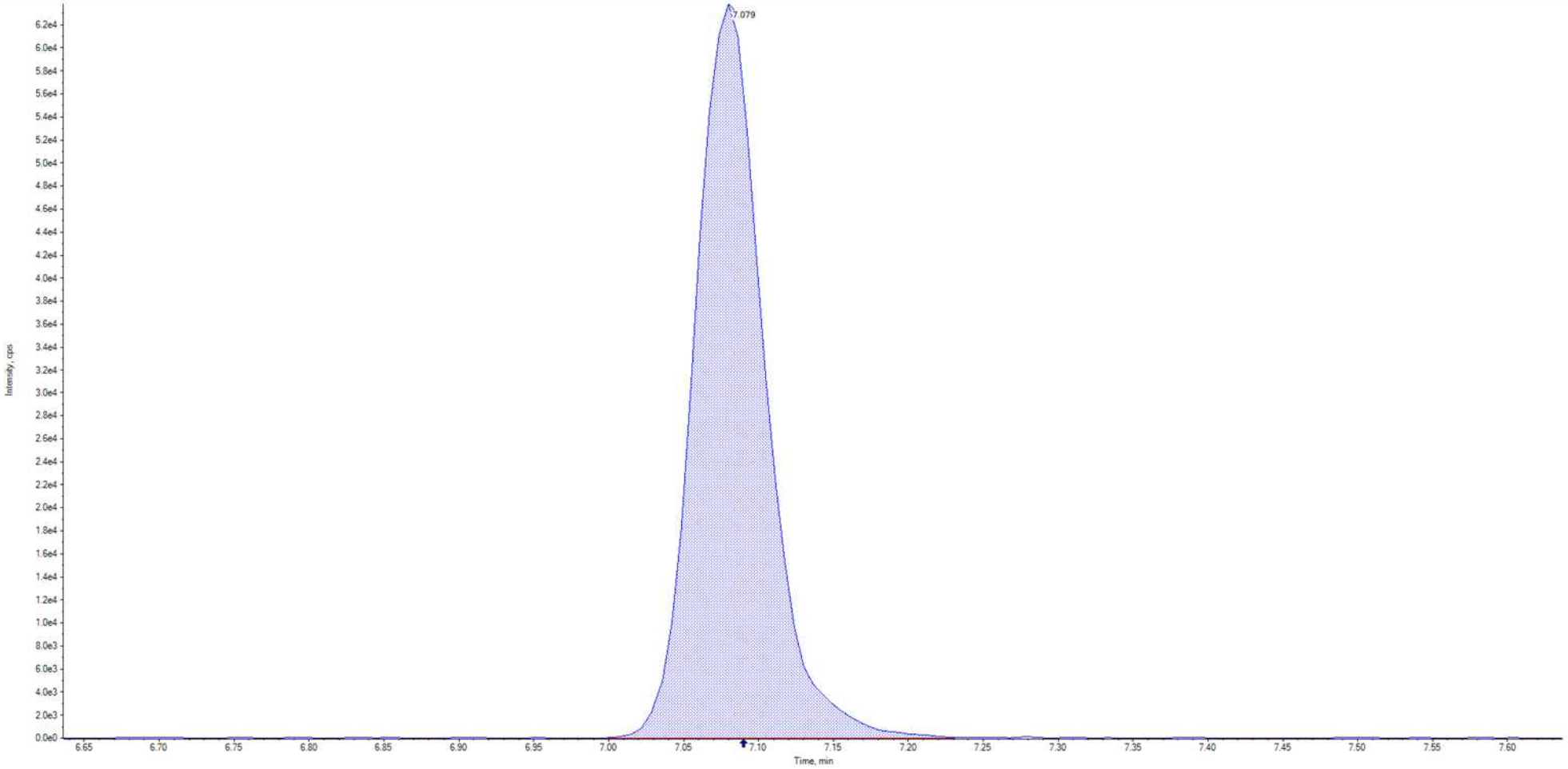


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

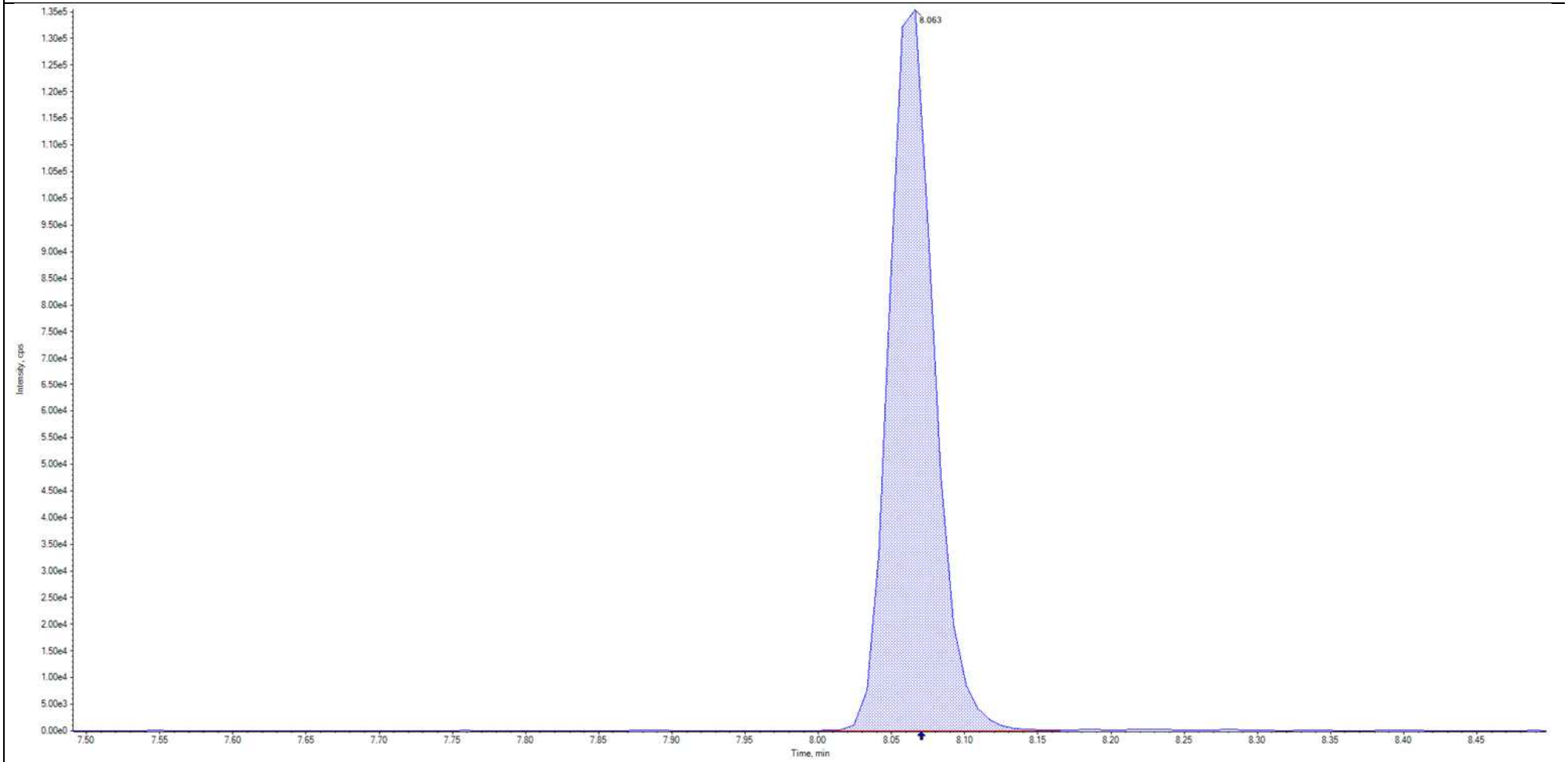
13C2-4:2FTS
Sample: CA1633STD-10



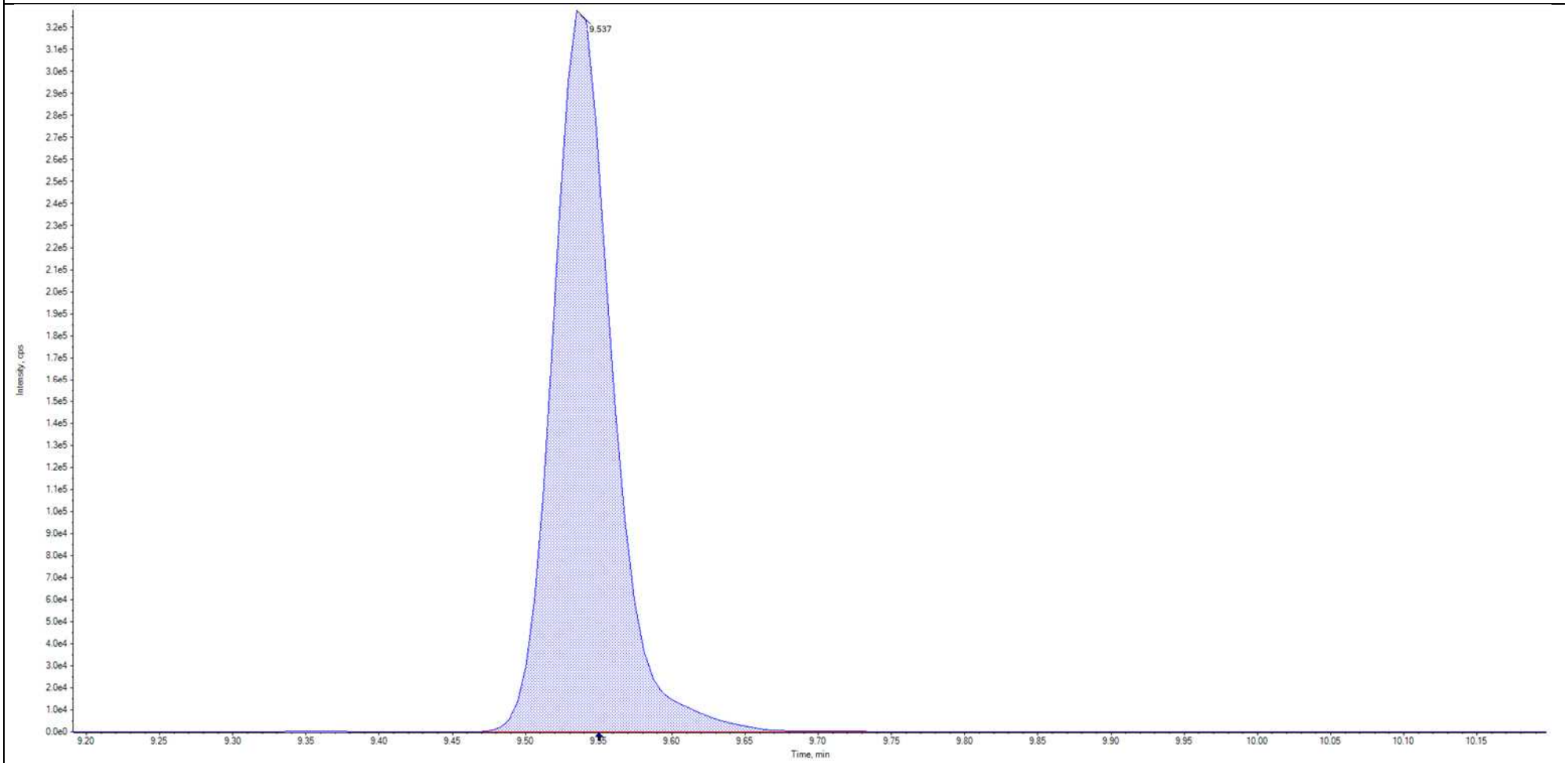
13C2-6:2FTS
Sample: CA1633STD-10



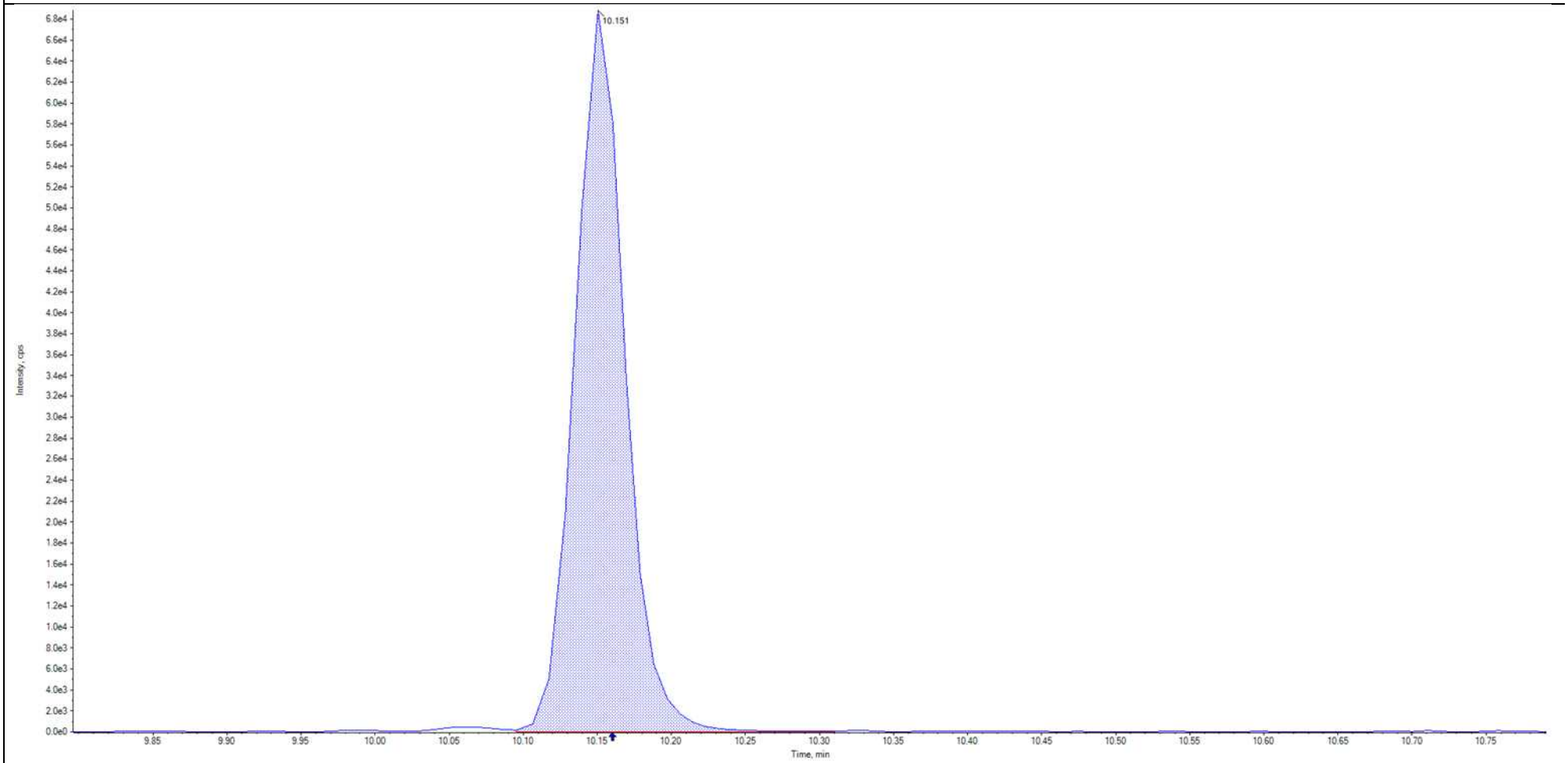
13C2-8:2FTS
Sample: CA1633STD-10



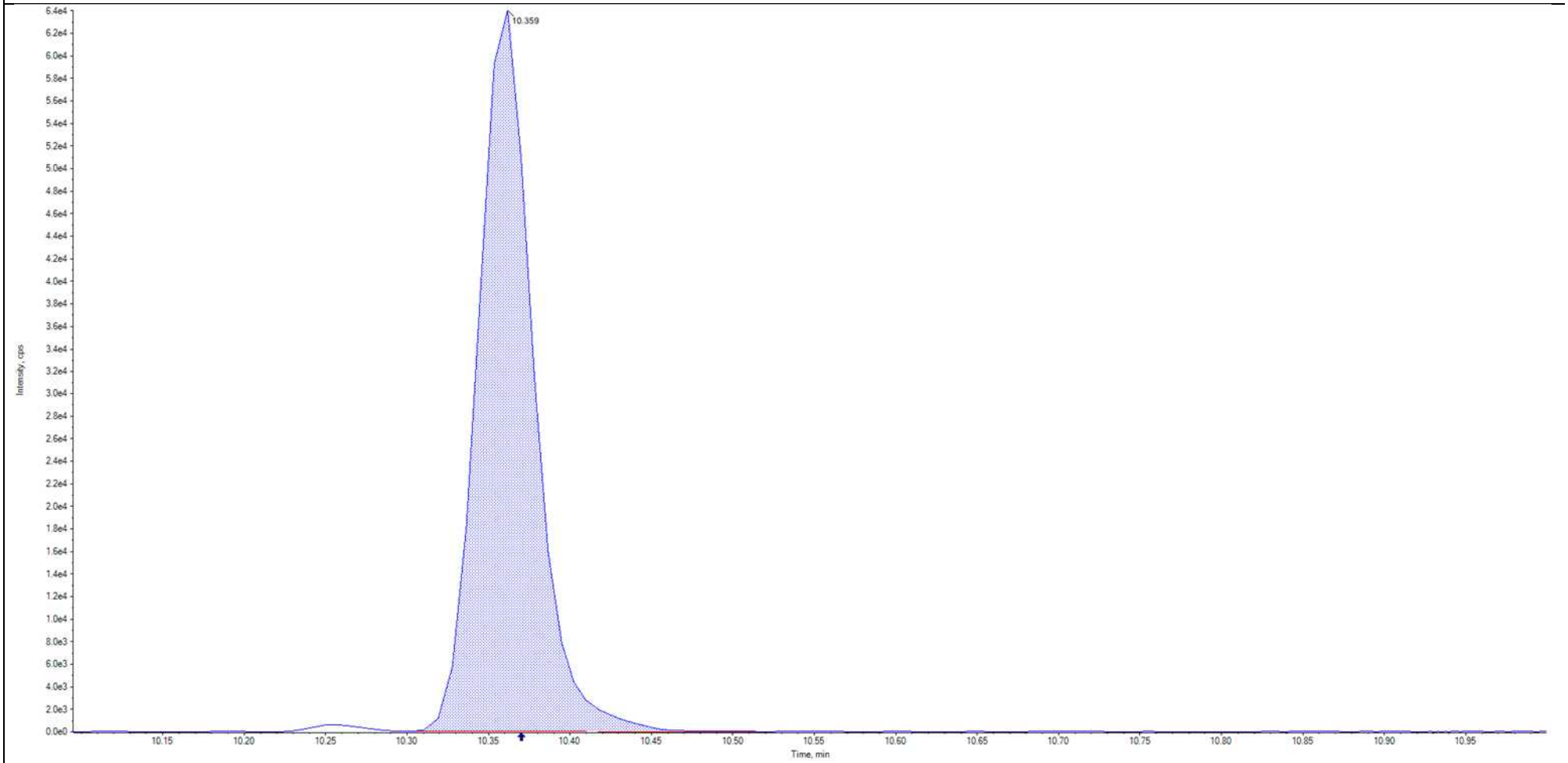
13C8-PFOSA
Sample: CA1633STD-10



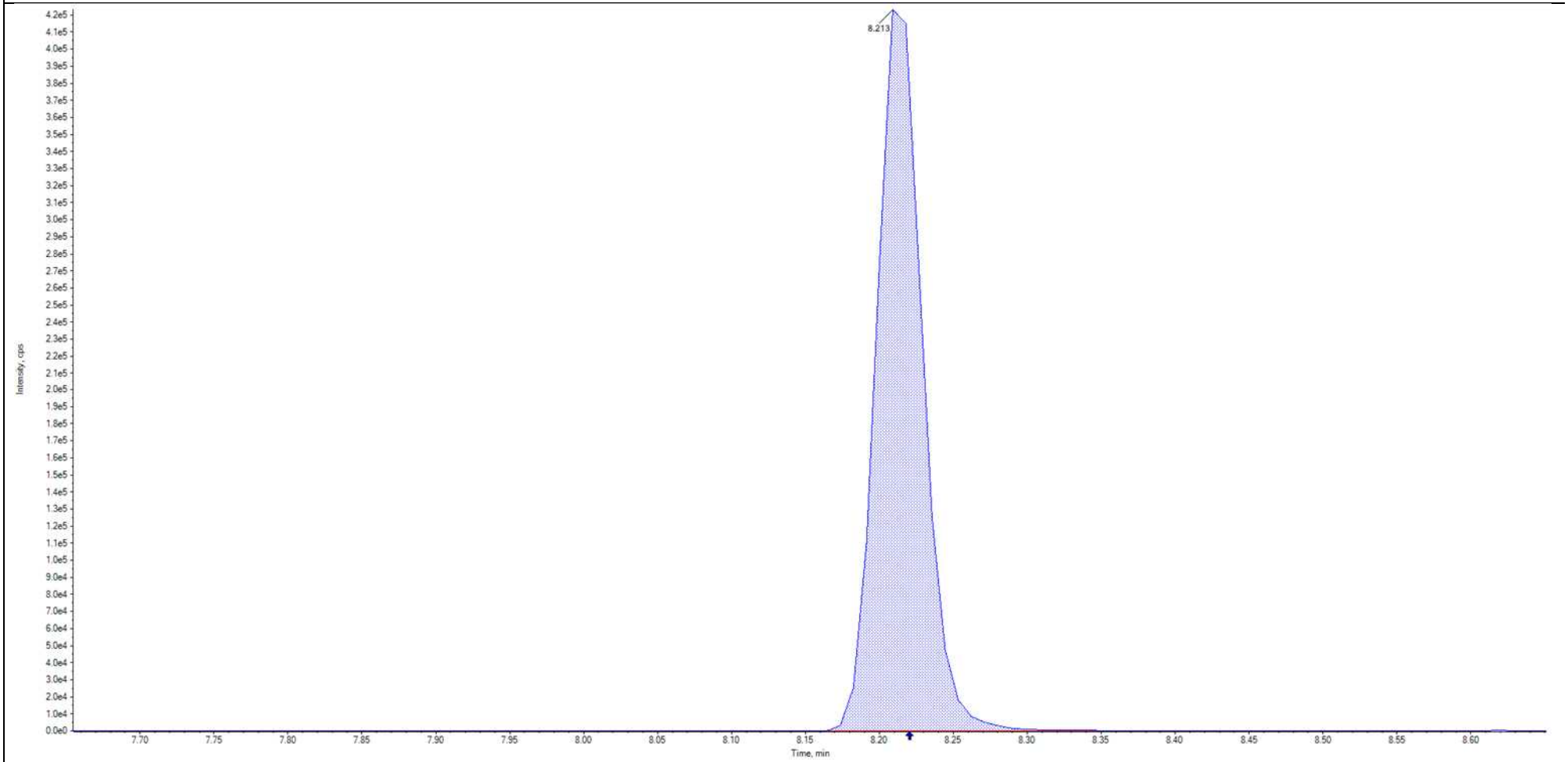
d3-NMeFOSA
Sample: CA1633STD-10



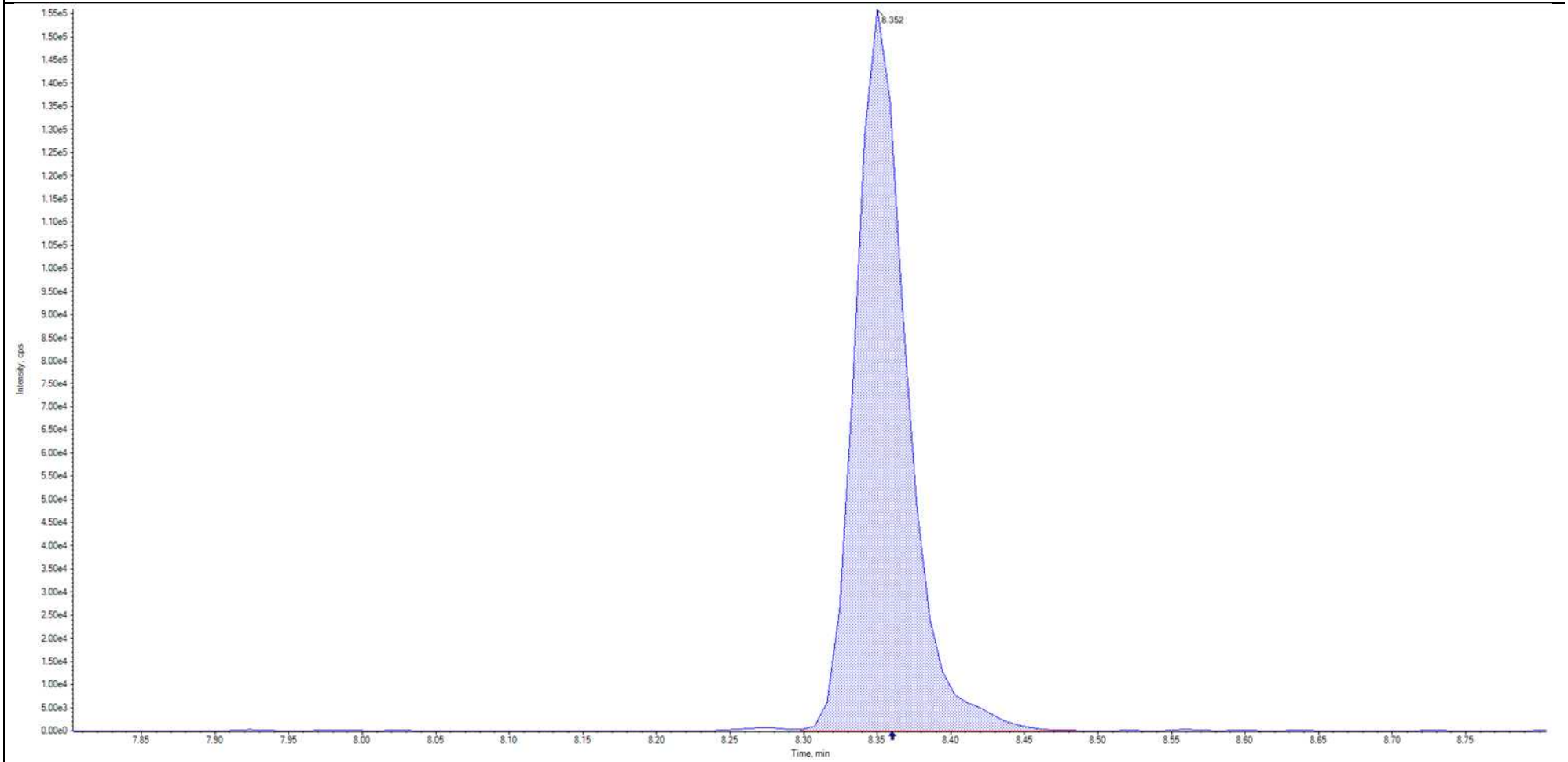
d5-NEtFOSA
Sample: CA1633STD-10



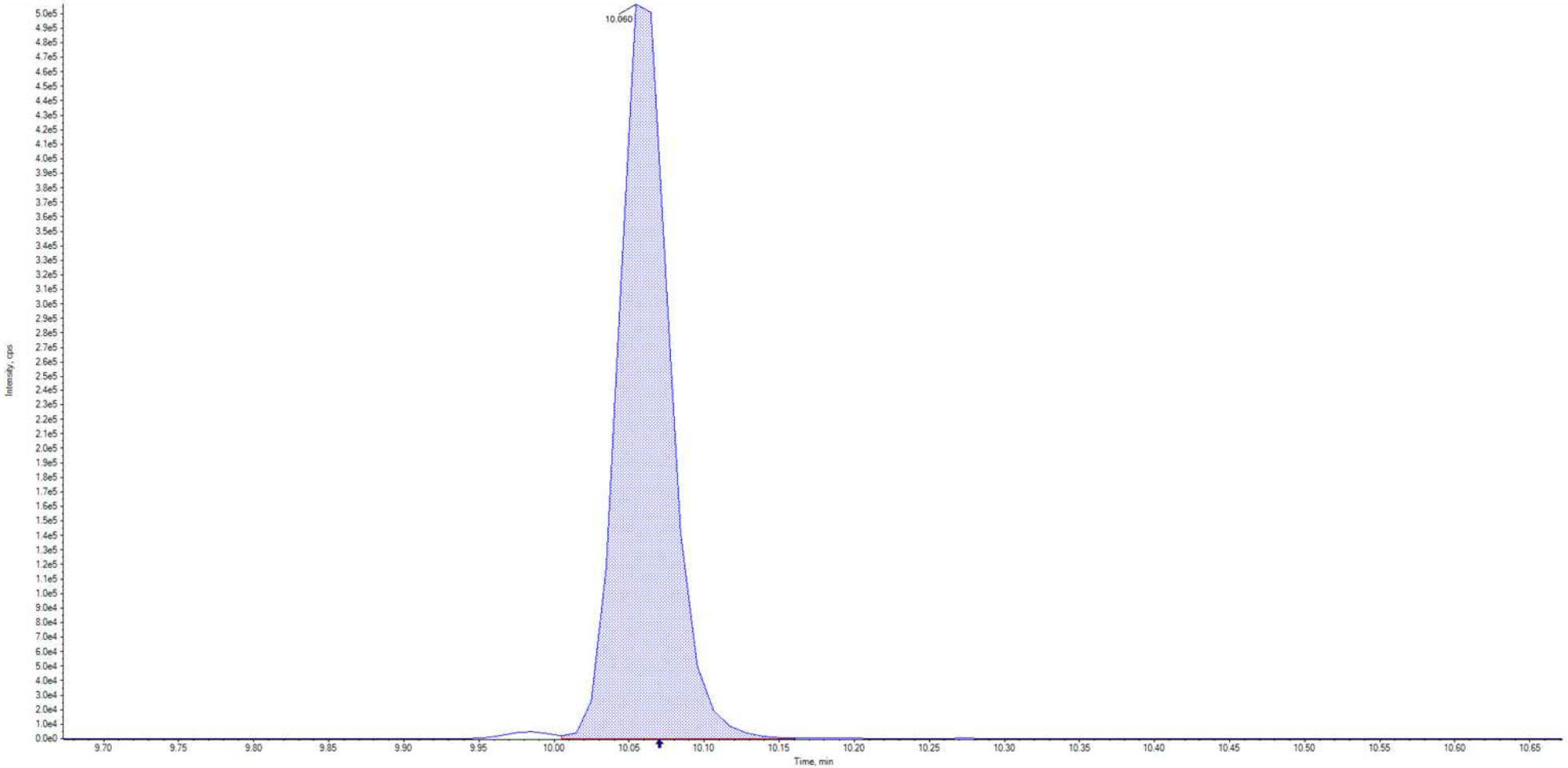
d3-NMeFOSAA
Sample: CA1633STD-10



d5-NEtFOSAA
Sample: CA1633STD-10

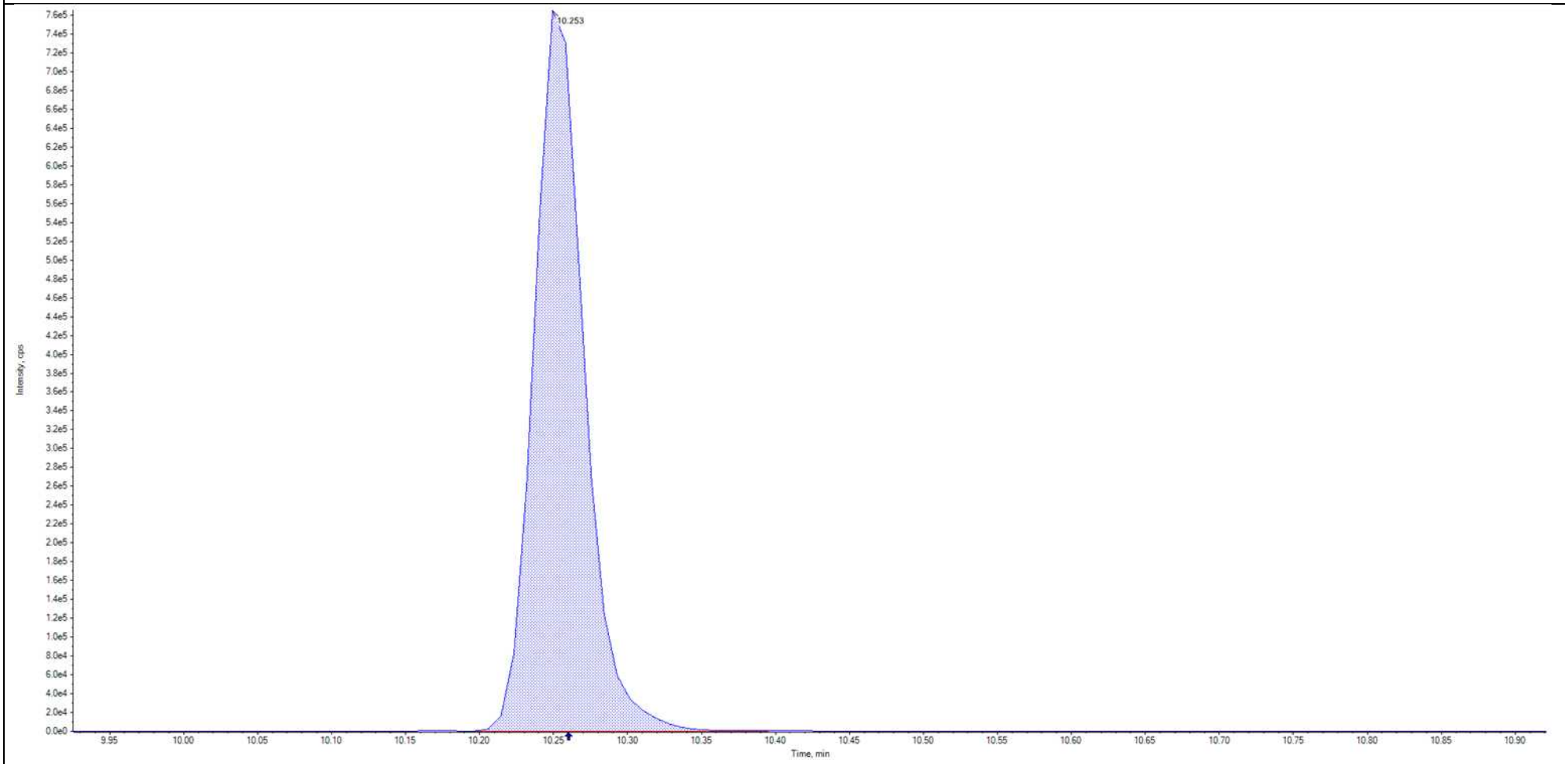


d7-NMeFOSE
Sample: CA1633STD-10

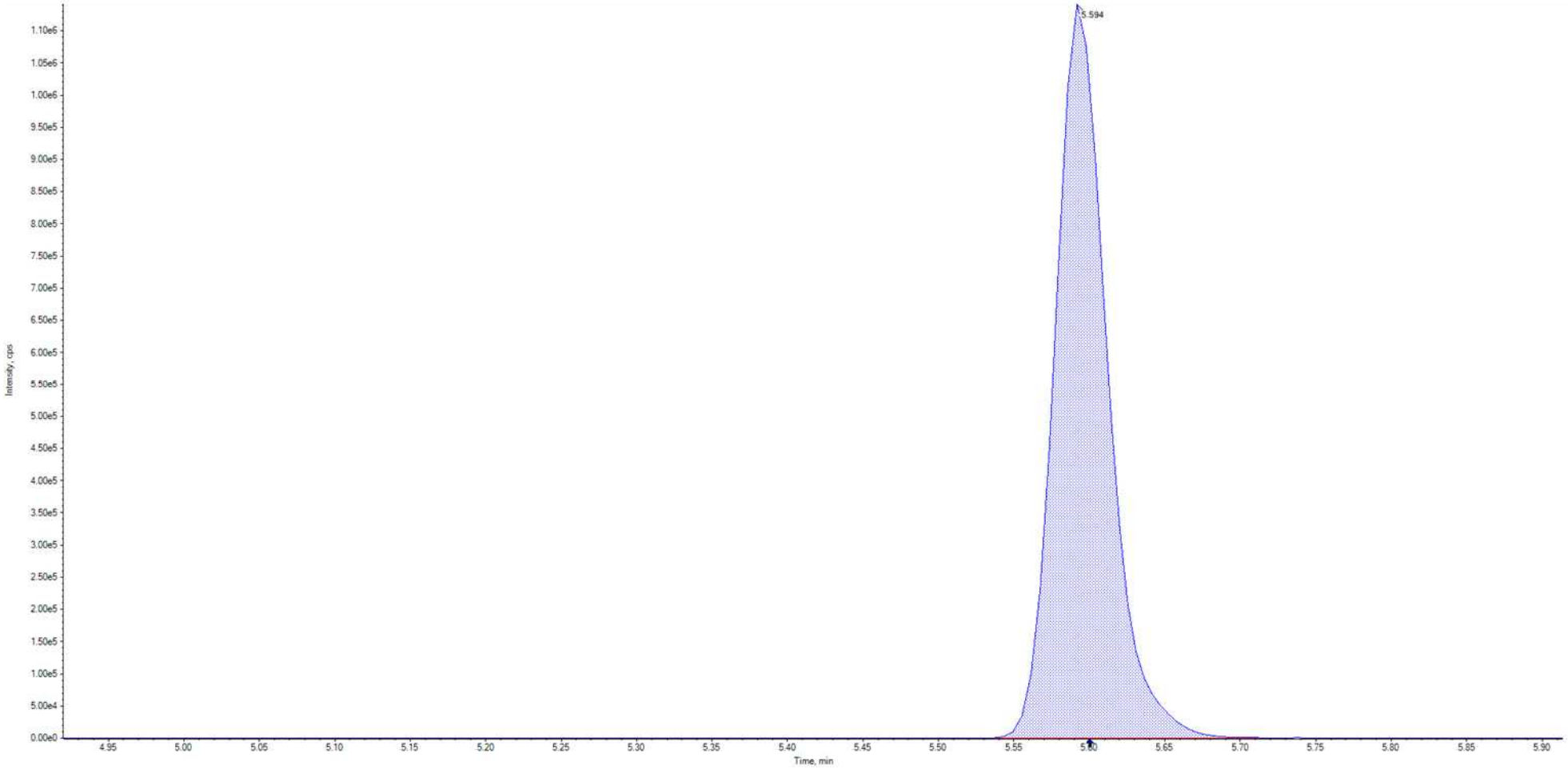


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

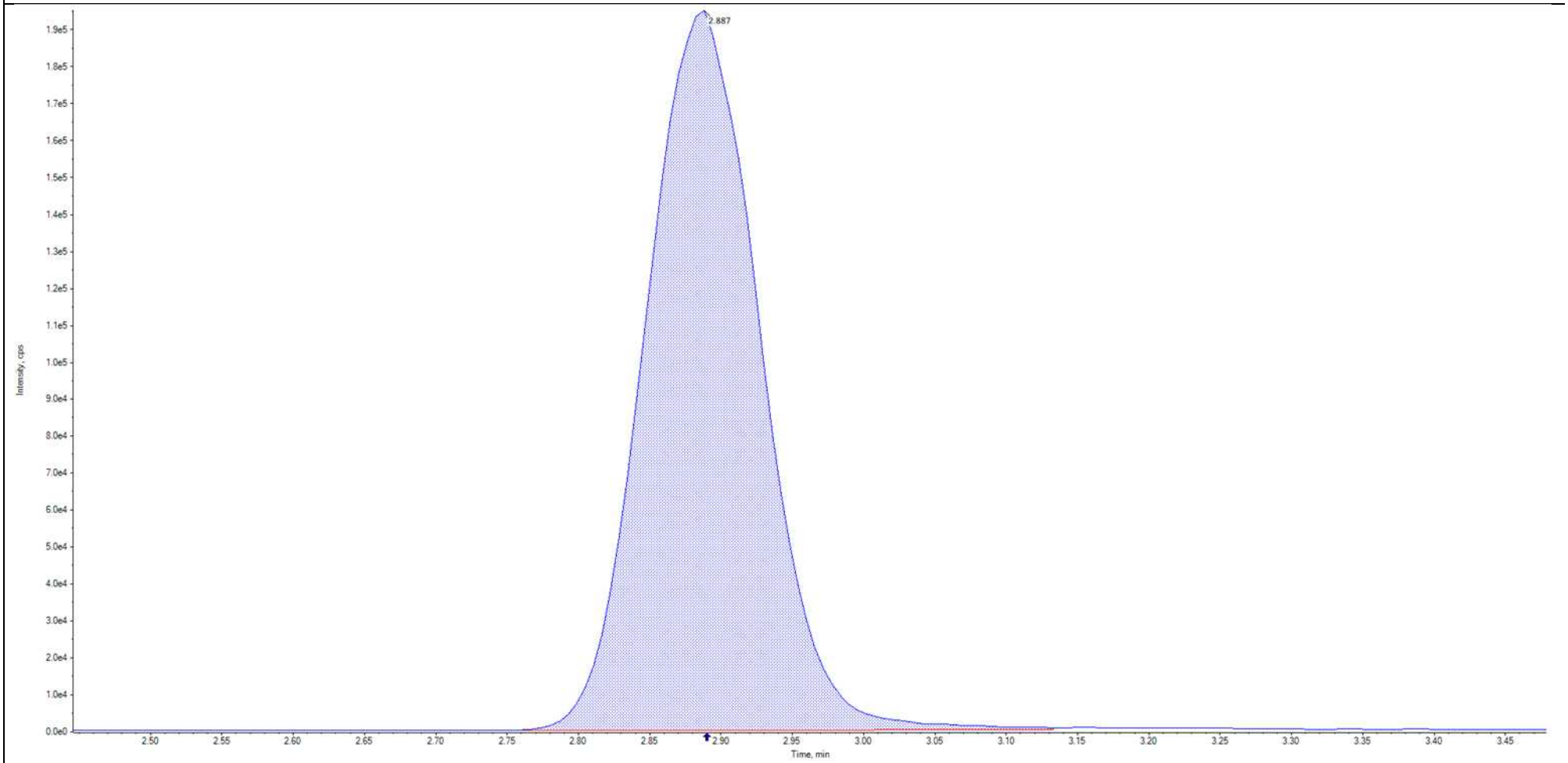
d9-NEtFOSE
Sample: CA1633STD-10



13C3-HFPO-DA
Sample: CA1633STD-10

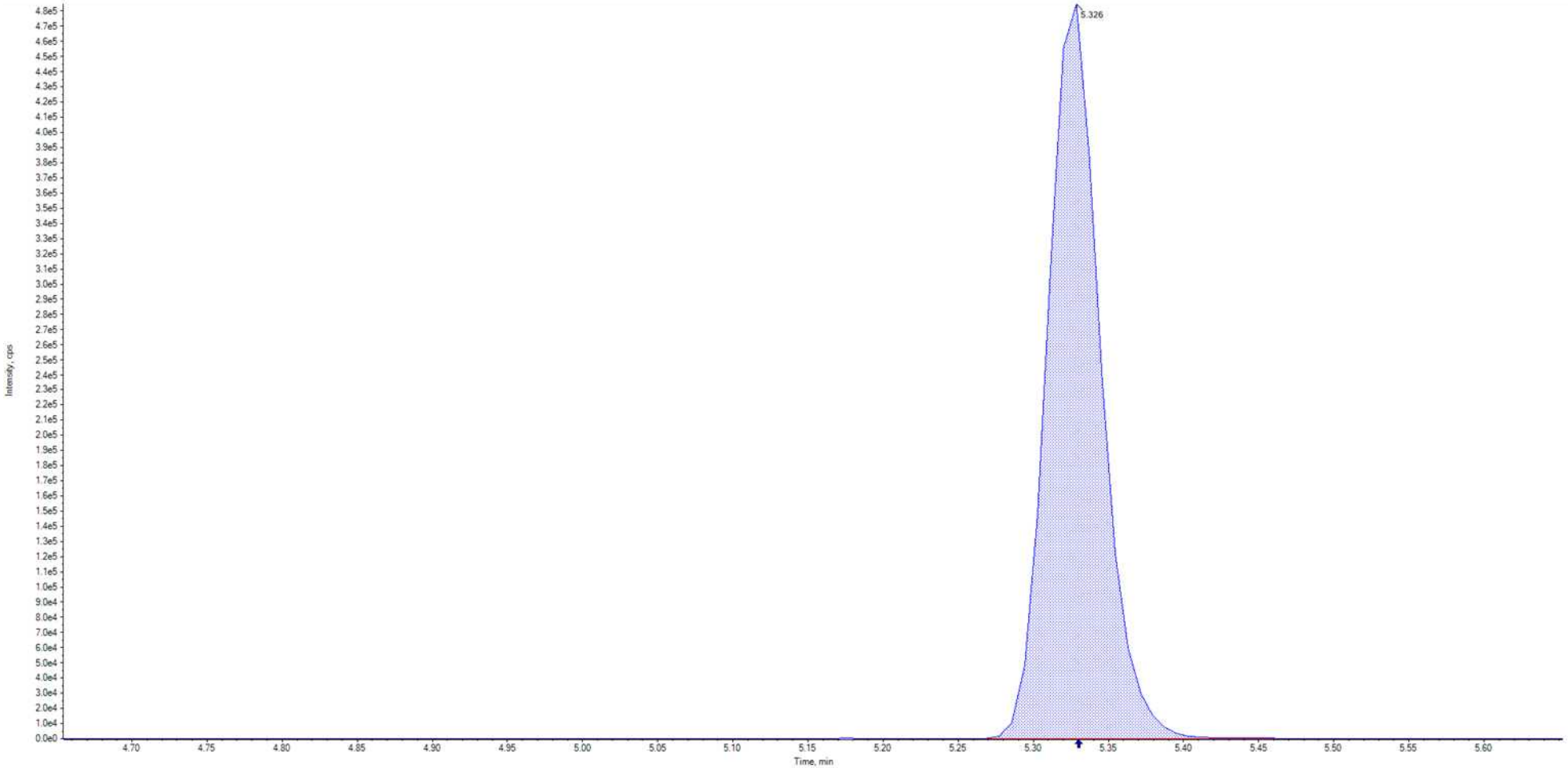


13C3-PFBA
Sample: CA1633STD-10

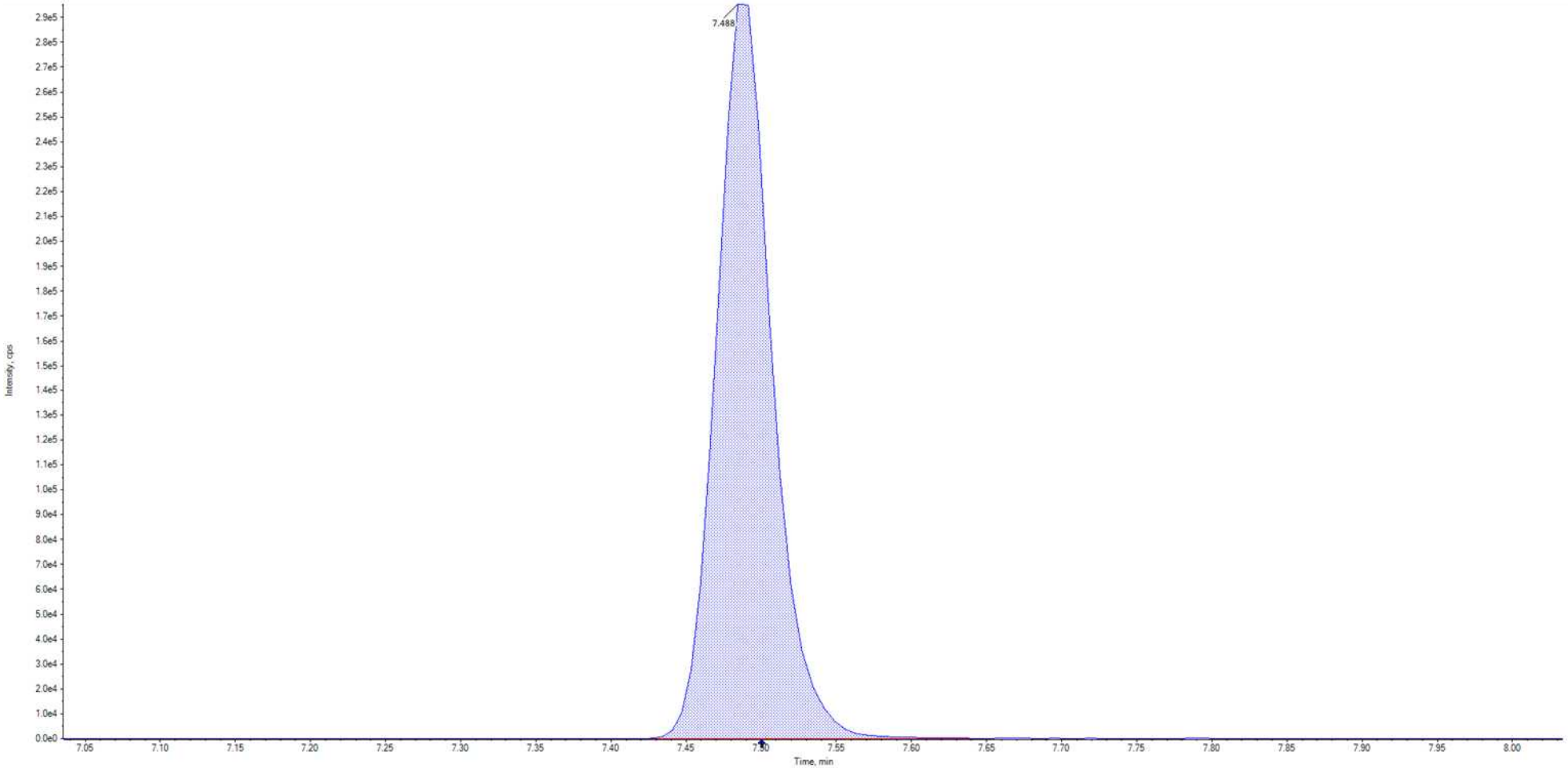


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

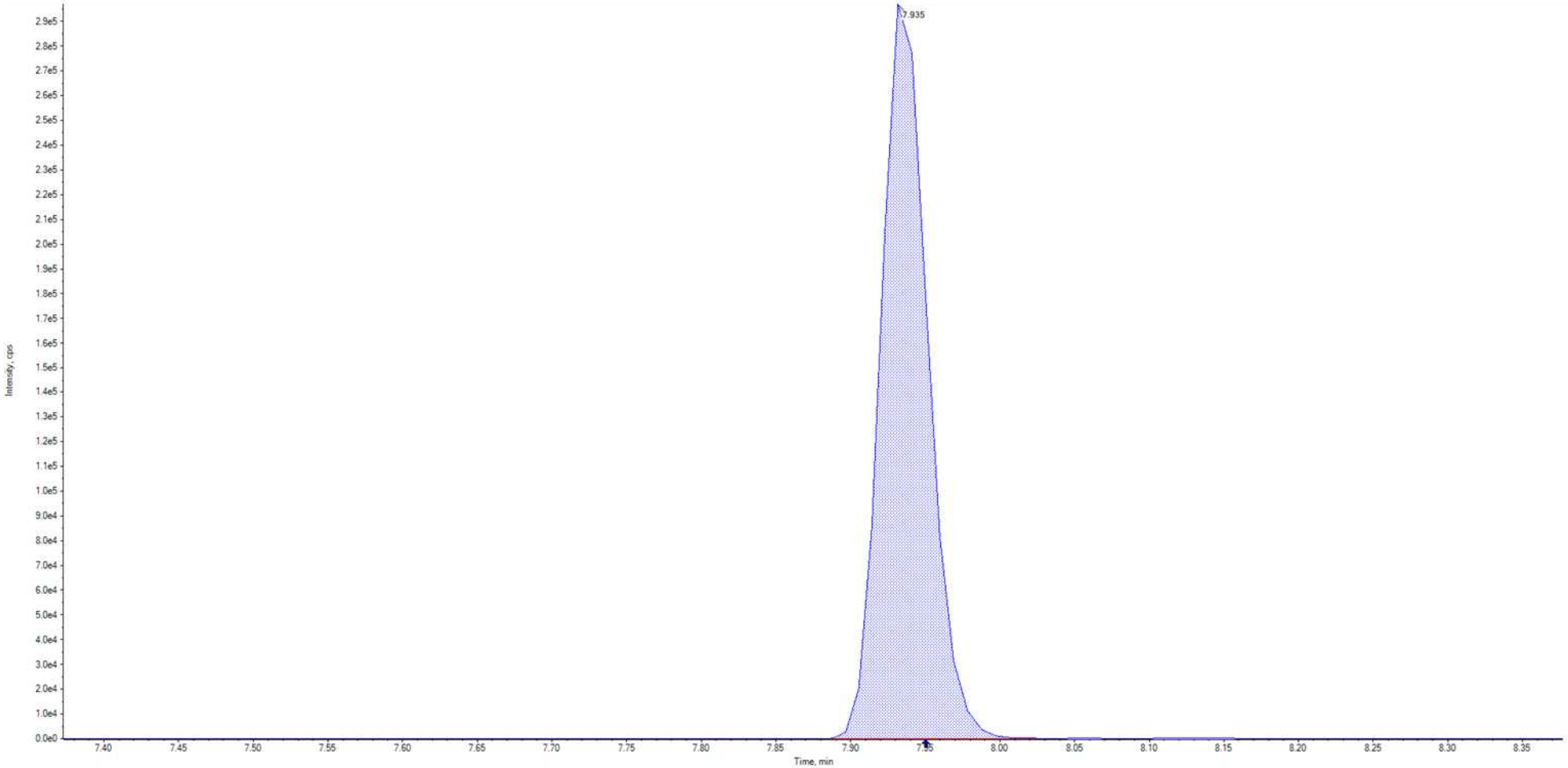
13C2-PFHxA
Sample: CA1633STD-10



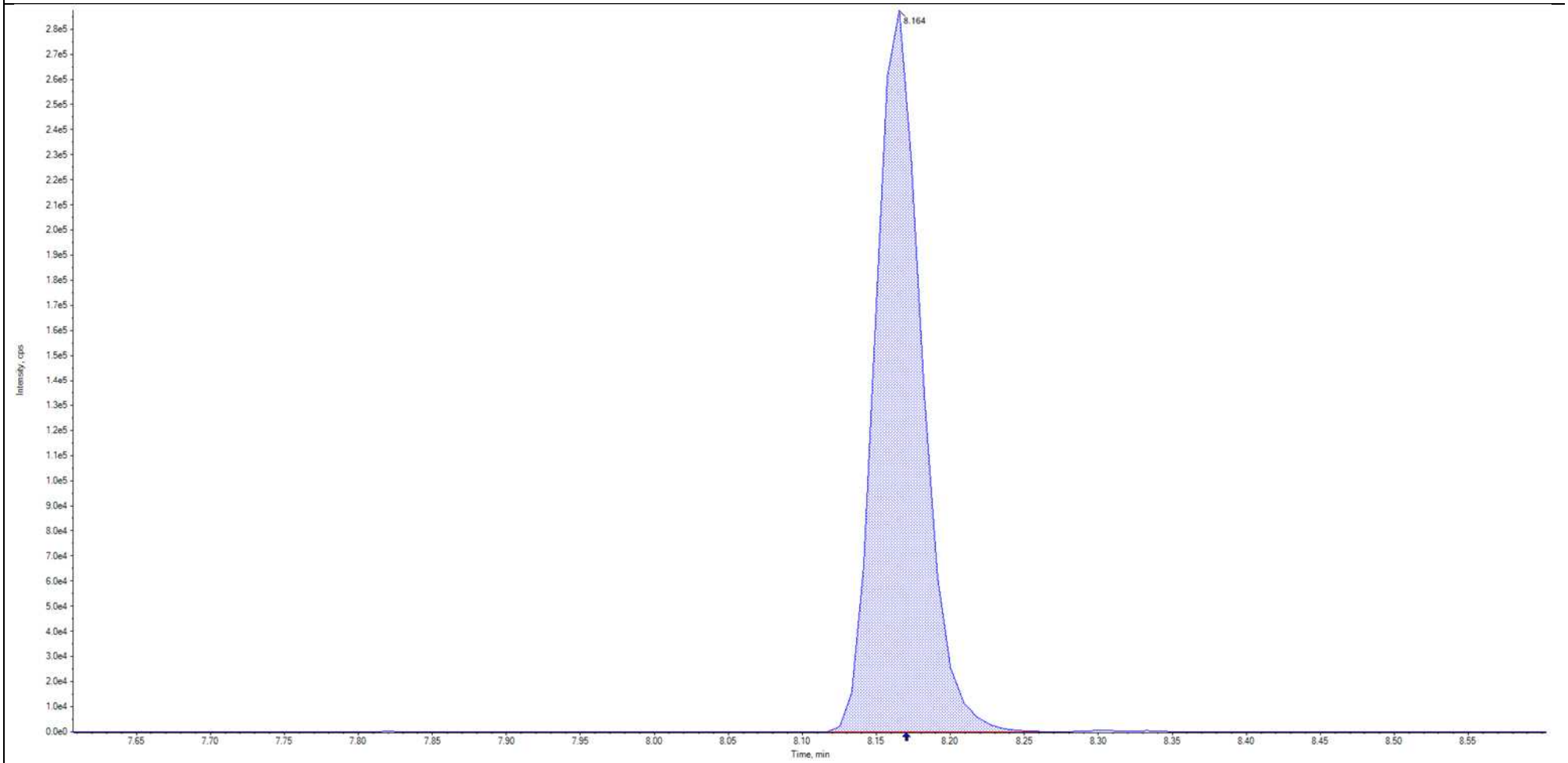
13C4-PFOA
Sample: CA1633STD-10



13C5-PFNA
Sample: CA1633STD-10

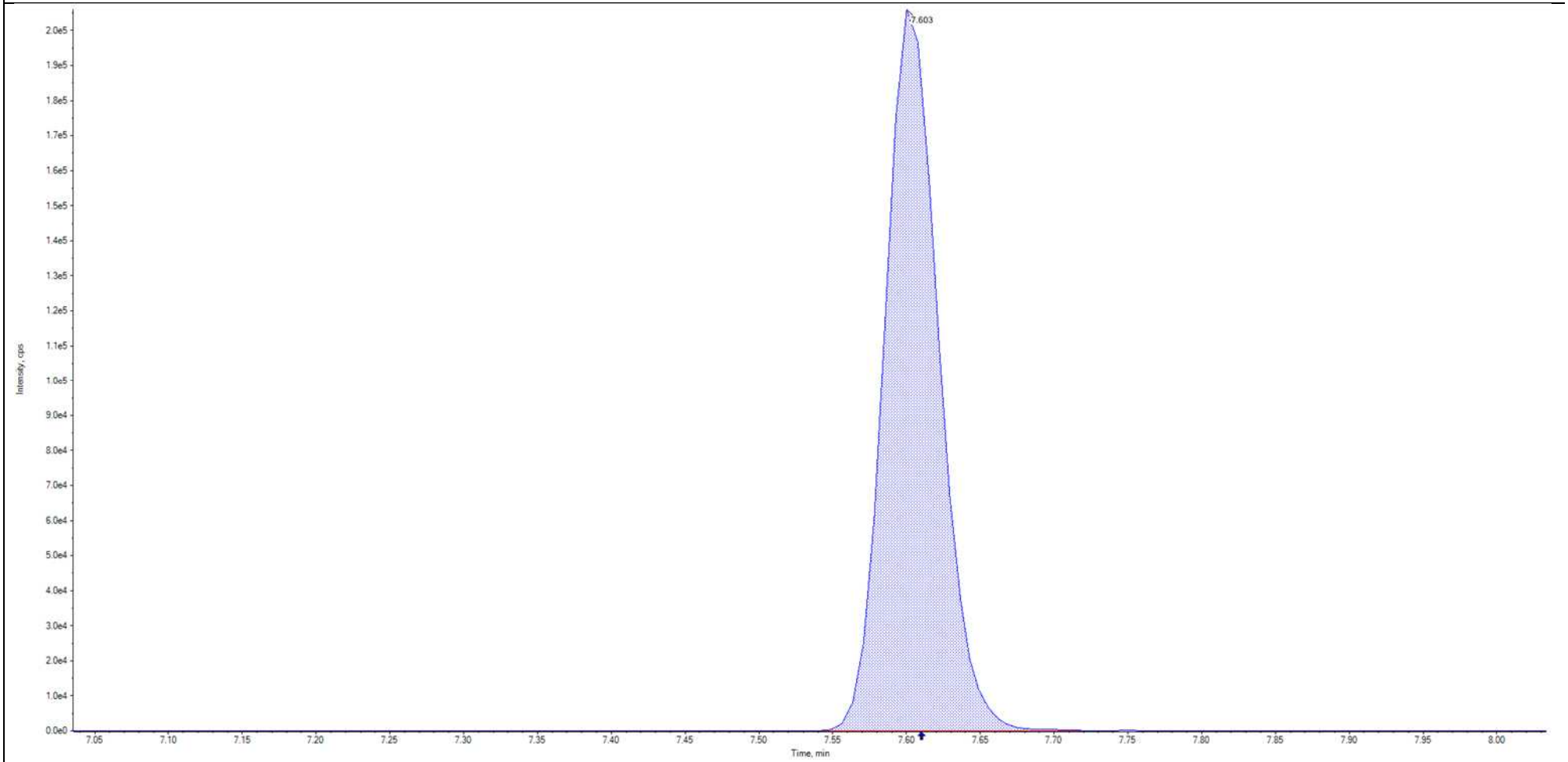


13C2-PFDA
Sample: CA1633STD-10



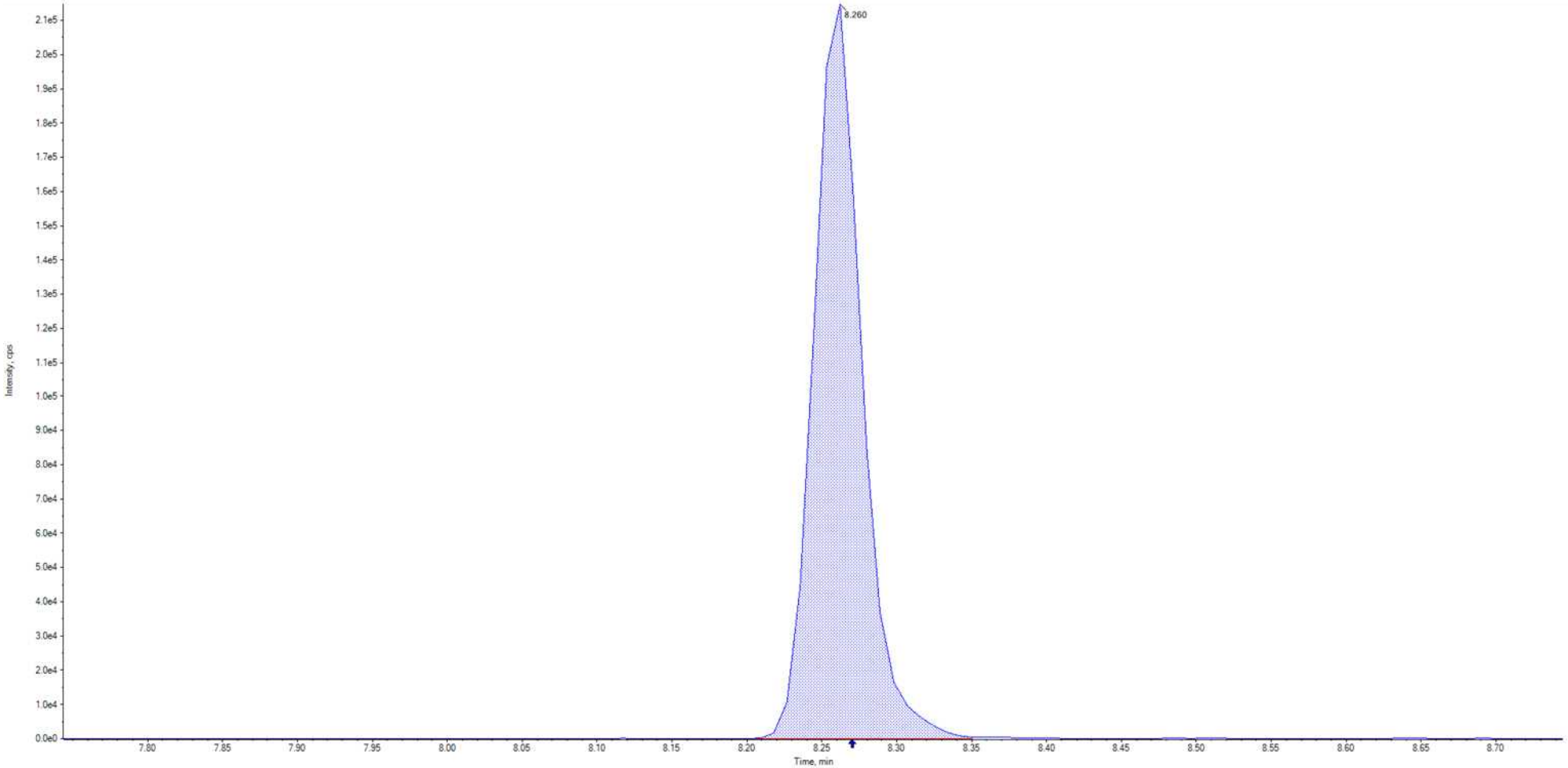
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

18O2-PFHxS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: CA1633STD-10



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_82.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1958909-5,BSICS
Name: SCI05_240813_83.wiff
Date & Time: 2024-08-14T00:23:18
Description: WG1958909
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
30	PFOS	1763-23-1	8.27	499.1 / 80.1	3701312	M5	13.614	0.207	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.27	499.1 / 99.1	766071	M7	11.501	0.207	0.238	Pass	N/A
76	TDCA	516-50-7	6.81	499.1 / 124.1	6428		100.000	40.716	40.716	Pass	N/A
77	TDCA_2	516-50-7	6.81	499.1 / 79.9	261739		100.000	40.716	40.716	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.89	217.0 / 172.0	2473265		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	4.64	268.0 / 223.0	1561160		5.006	NA	NA	NA	100.1
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	958278		2.340	NA	NA	NA	93.6
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	994170		2.424	NA	NA	NA	97.0
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1468648		2.632	NA	NA	NA	105.3
	13C9-PFNA	EIS	7.94	472.0 / 427.0	649183		1.205	NA	NA	NA	96.4
	13C6-PFDA	EIS	8.17	519.0 / 474.0	677177		1.288	NA	NA	NA	103.1
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	563590		1.325	NA	NA	NA	106.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	340864		1.232	NA	NA	NA	98.6
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	371241		1.236	NA	NA	NA	98.9
	13C3-PFBS	EIS	5.31	302.1 / 80.1	709845		2.139	NA	NA	NA	91.8
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	634410		2.407	NA	NA	NA	101.6
	13C8-PFOS	EIS	8.27	507.1 / 80.1	661873		2.353	NA	NA	NA	98.3
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	289614		4.890	NA	NA	NA	104.3
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	197203		4.543	NA	NA	NA	95.6
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	299092		4.708	NA	NA	NA	98.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	929502		2.486	NA	NA	NA	99.4
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	159881		2.540	NA	NA	NA	101.6
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	152252		2.476	NA	NA	NA	99.1
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	347283		2.441	NA	NA	NA	48.8
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	375431		5.021	NA	NA	NA	100.4
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1123032		23.105	NA	NA	NA	92.4
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1777891		24.809	NA	NA	NA	99.2

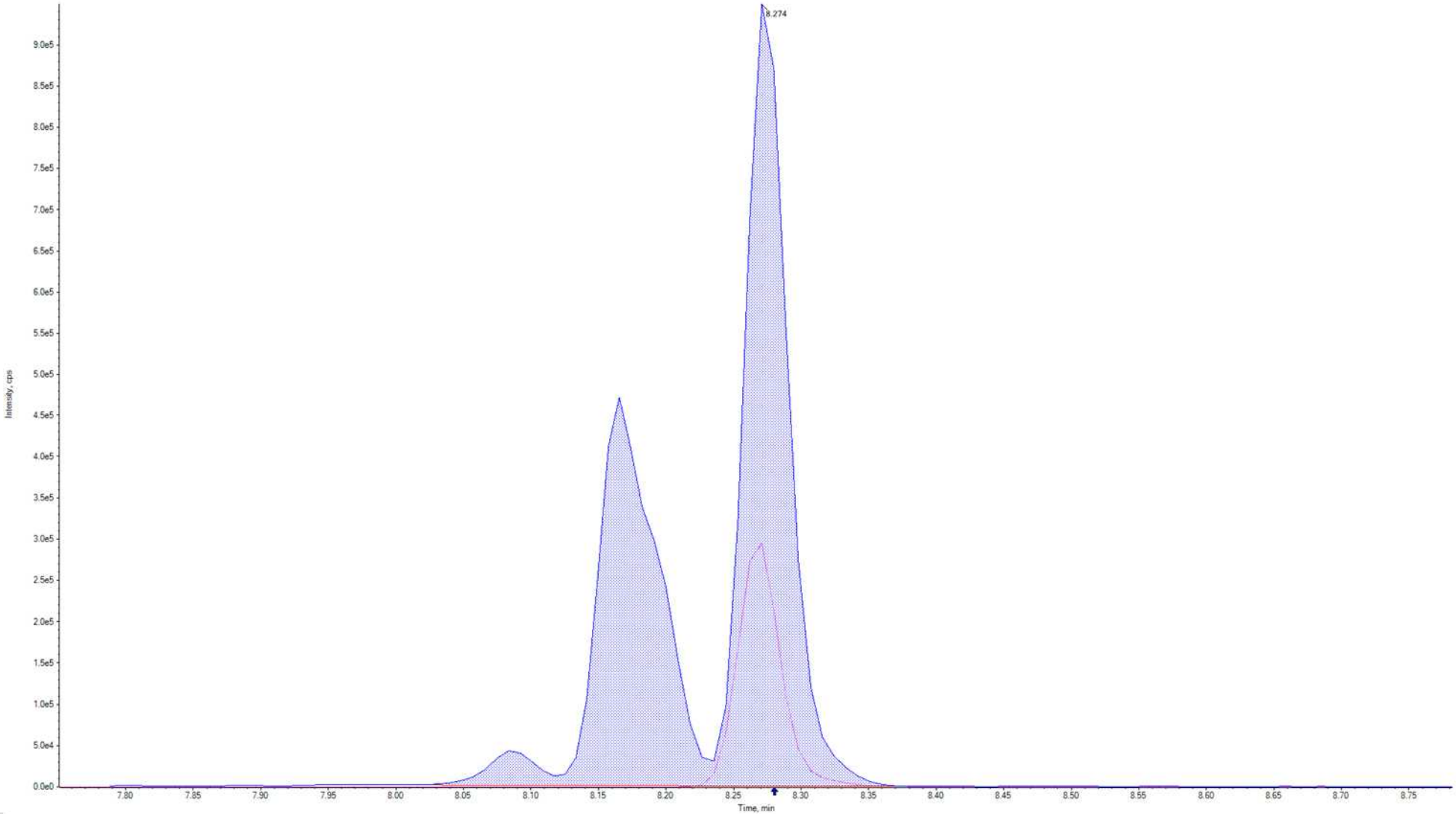
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2730343		10.058	NA	NA	NA	100.6
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1097957		5.135	NA	NA	NA	102.7
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1216174		2.484	NA	NA	NA	99.4
	13C4-PFOA	NIS	7.50	417.0 / 372.0	730115		2.332	NA	NA	NA	93.3
	13C5-PFNA	NIS	7.94	468.0 / 423.0	656416		1.198	NA	NA	NA	95.9
	13C2-PFDA	NIS	8.17	515.1 / 470.1	617433		1.205	NA	NA	NA	96.4
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	535768		2.287	NA	NA	NA	96.5
	13C4-PFOS	NIS	8.27	503.1 / 80.1	497485		2.363	NA	NA	NA	98.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

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

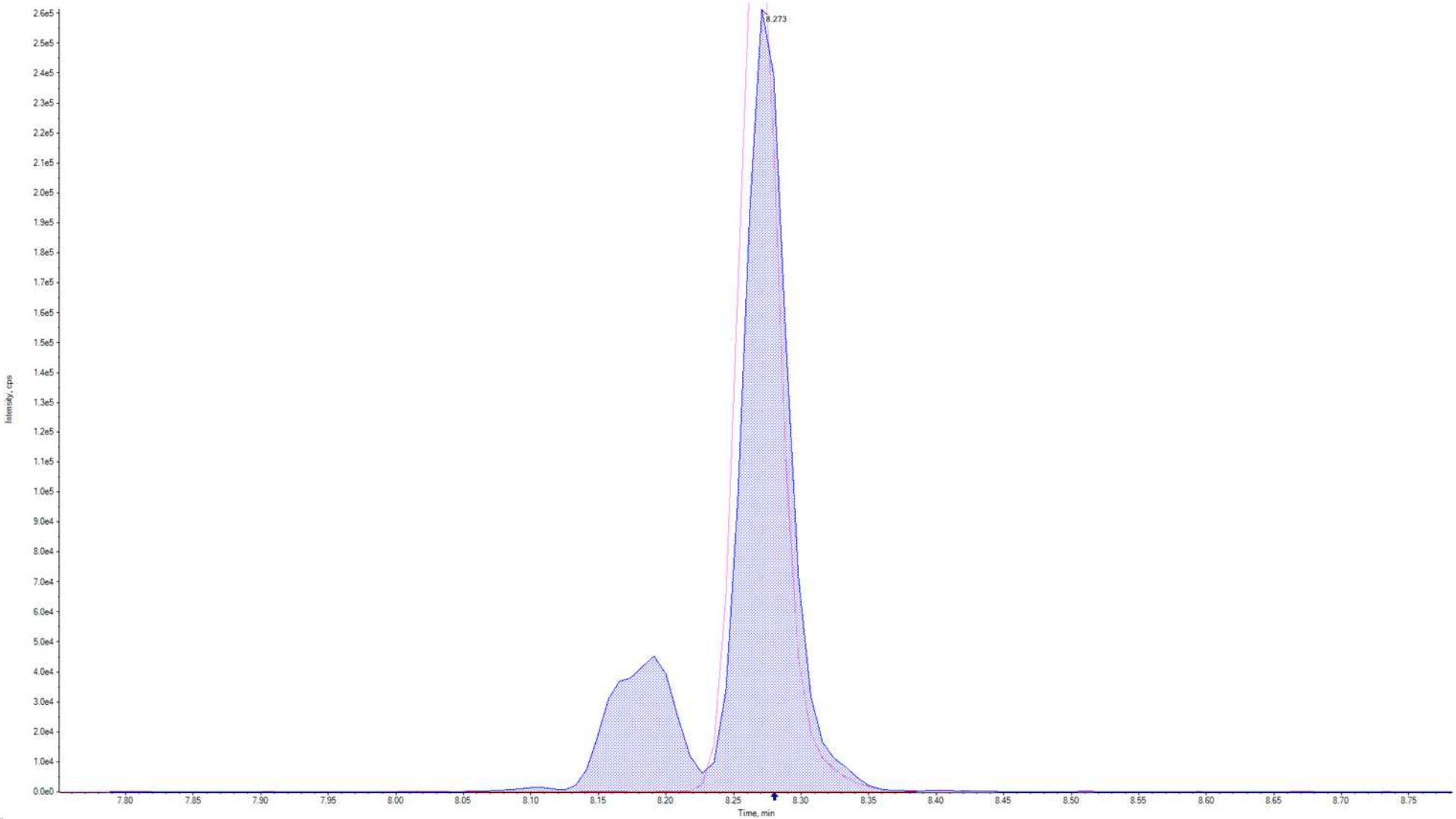
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

PFOS
Sample: WG1958909-5,BSICS S/N:2243.0 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

PFOS_2
Sample: WG1958909-5,BSICS S/N:1531.6 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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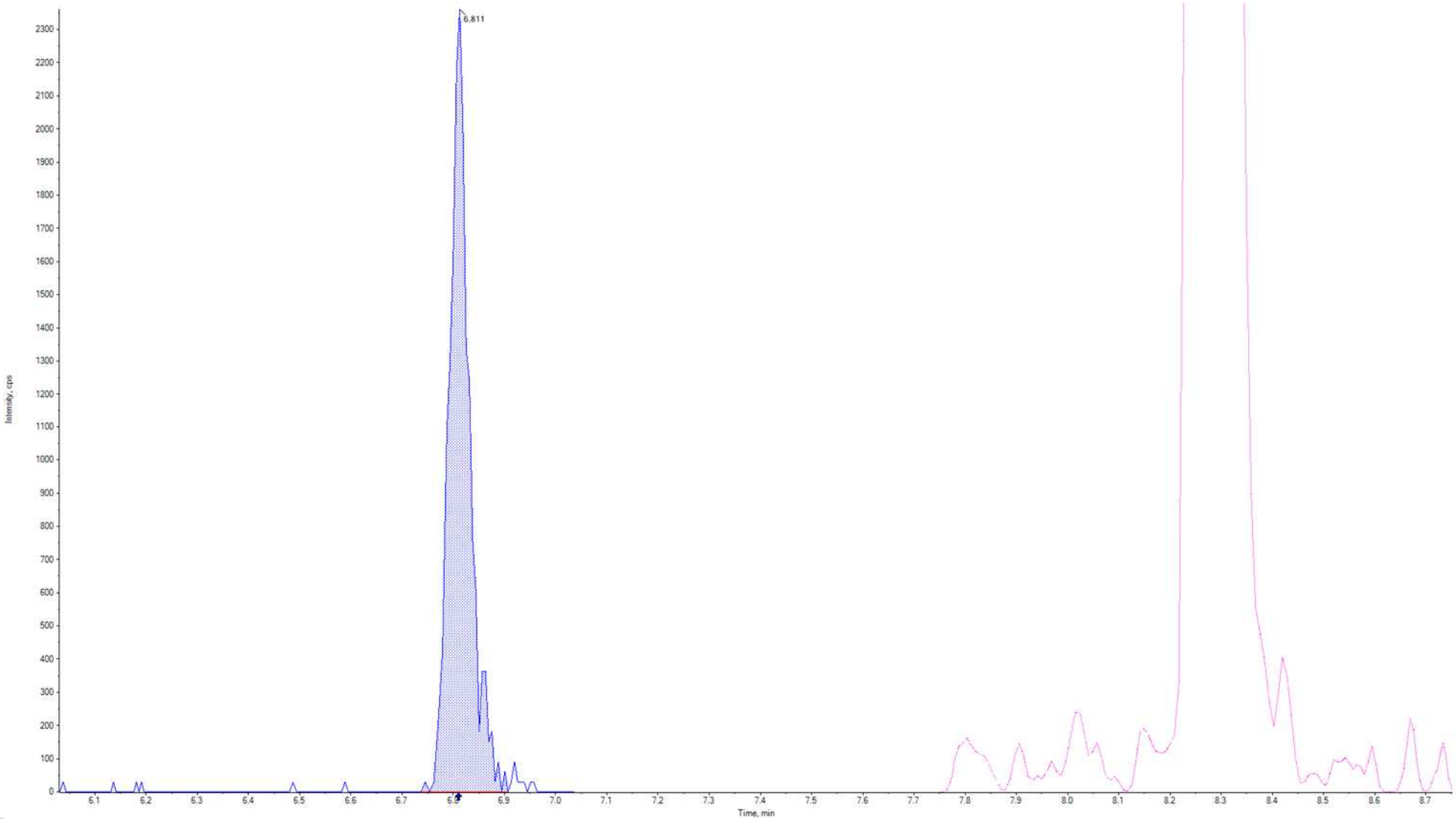
Generated: 8/14/2024 9:40:32 AM

TDCA
Sample: WG1958909-5,BSICS S/N:210.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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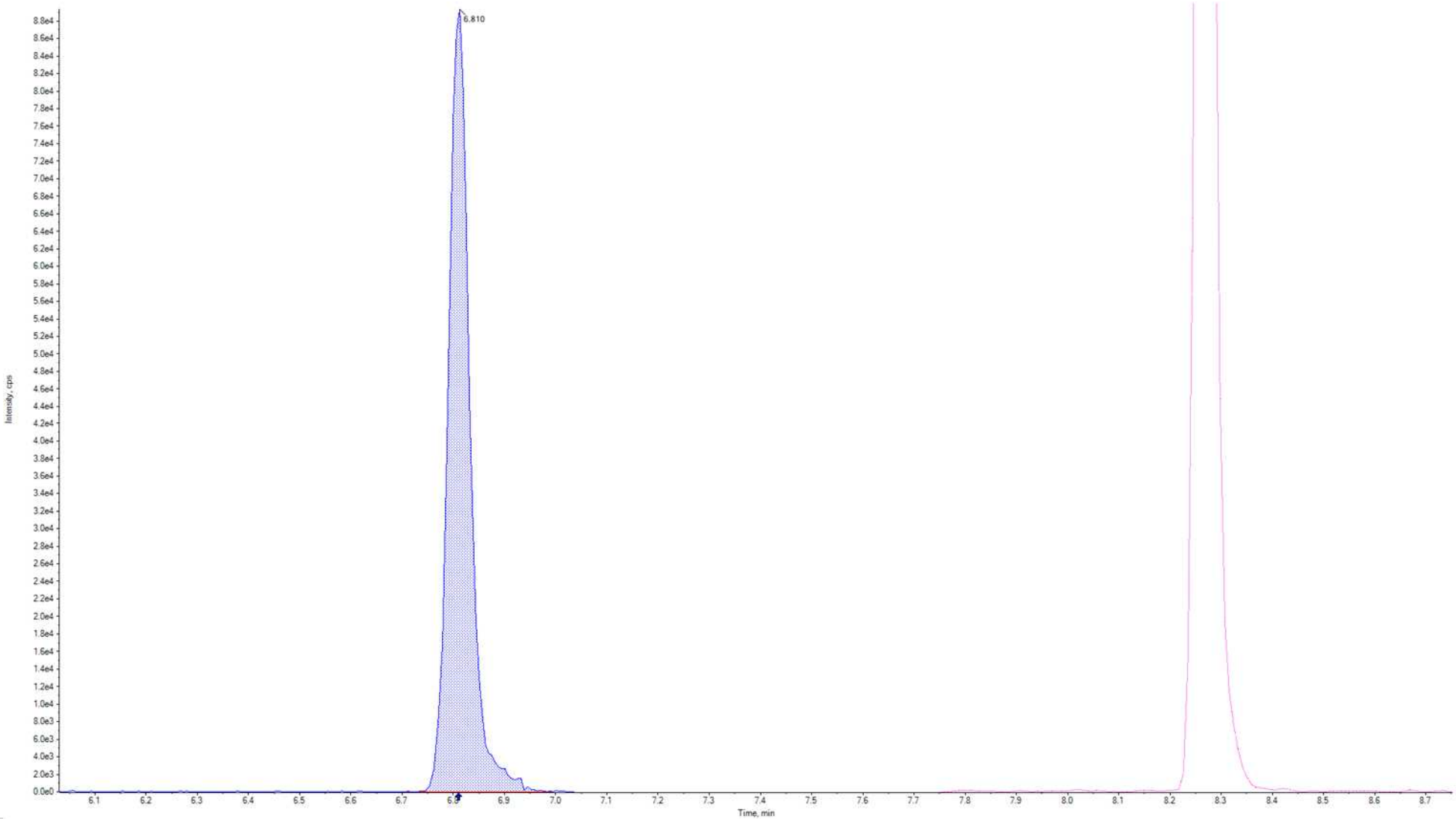
Generated: 8/14/2024 9:40:32 AM

TDCA_2
Sample: WG1958909-5,BSICS S/N:1411.8 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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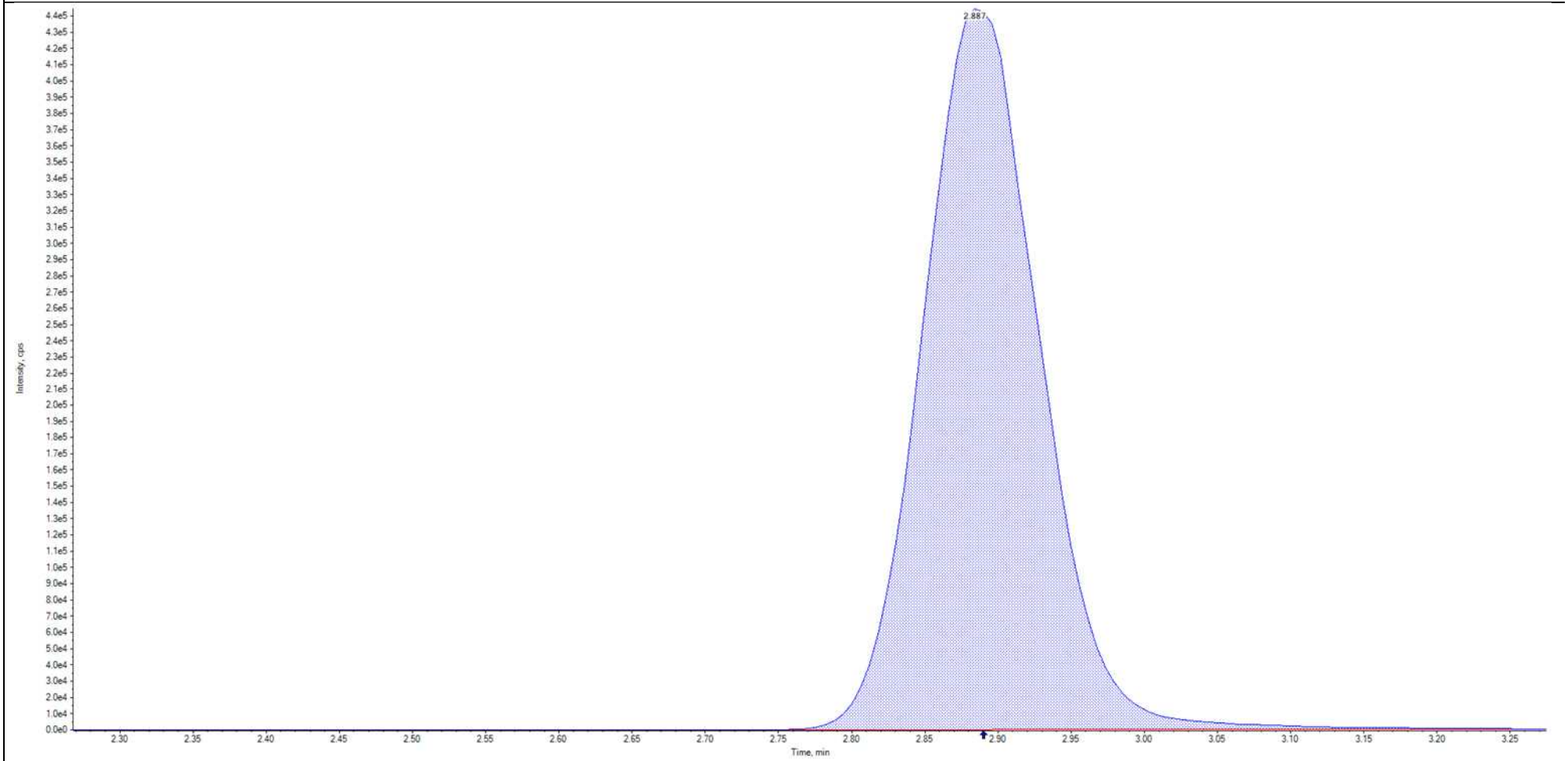
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFBA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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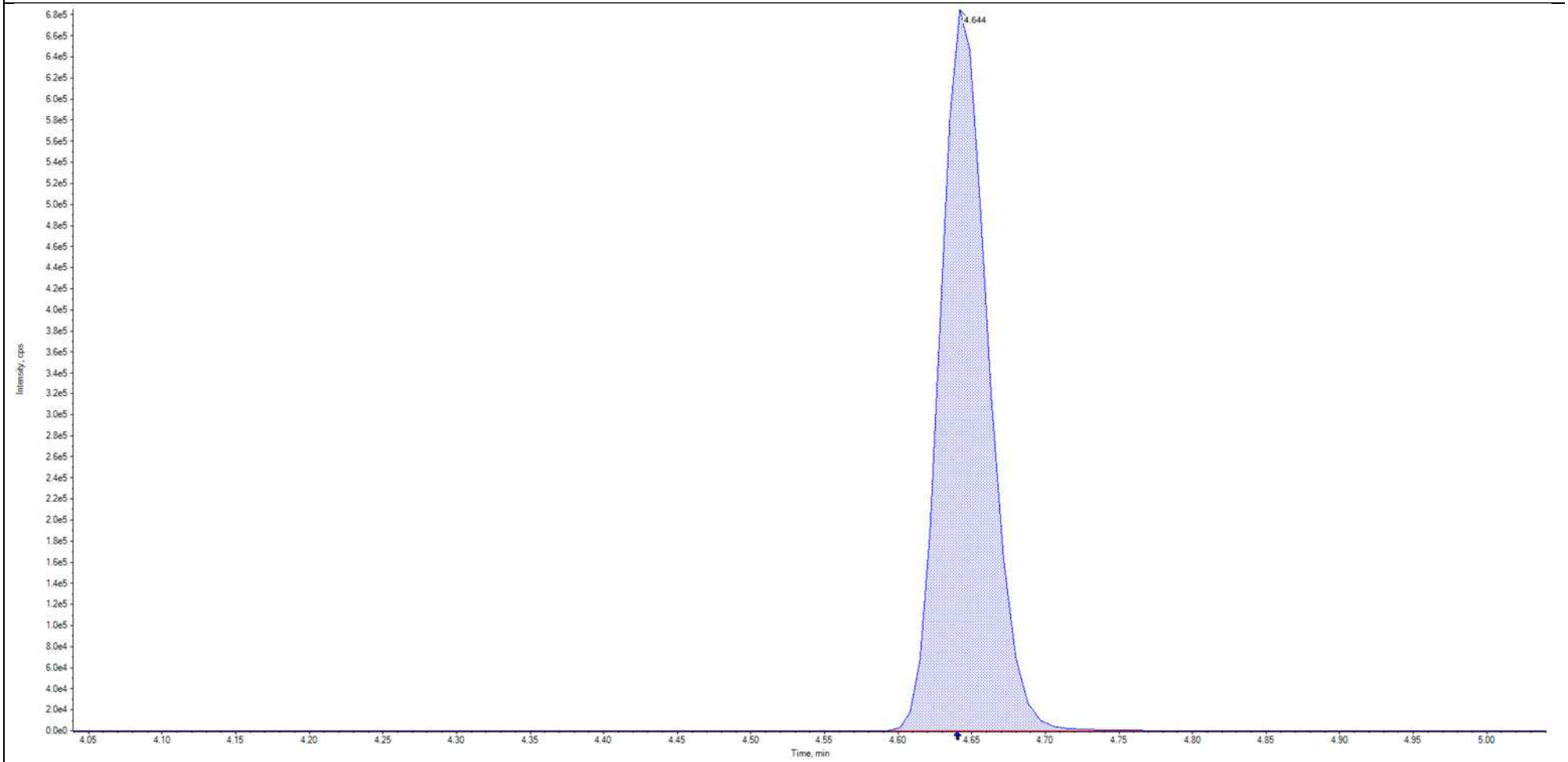
Generated: 8/14/2024 9:40:32 AM

13C5-PFPeA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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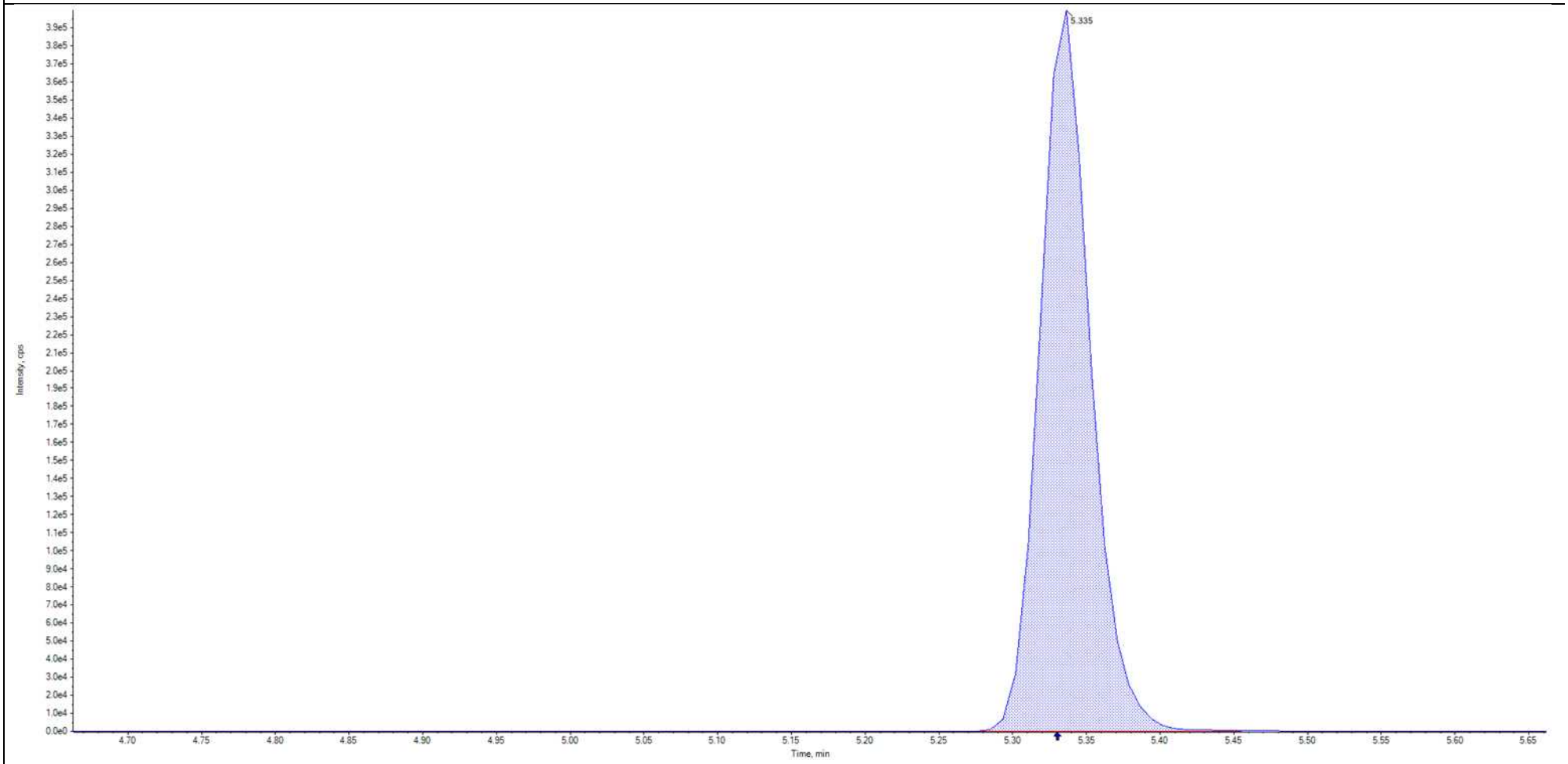
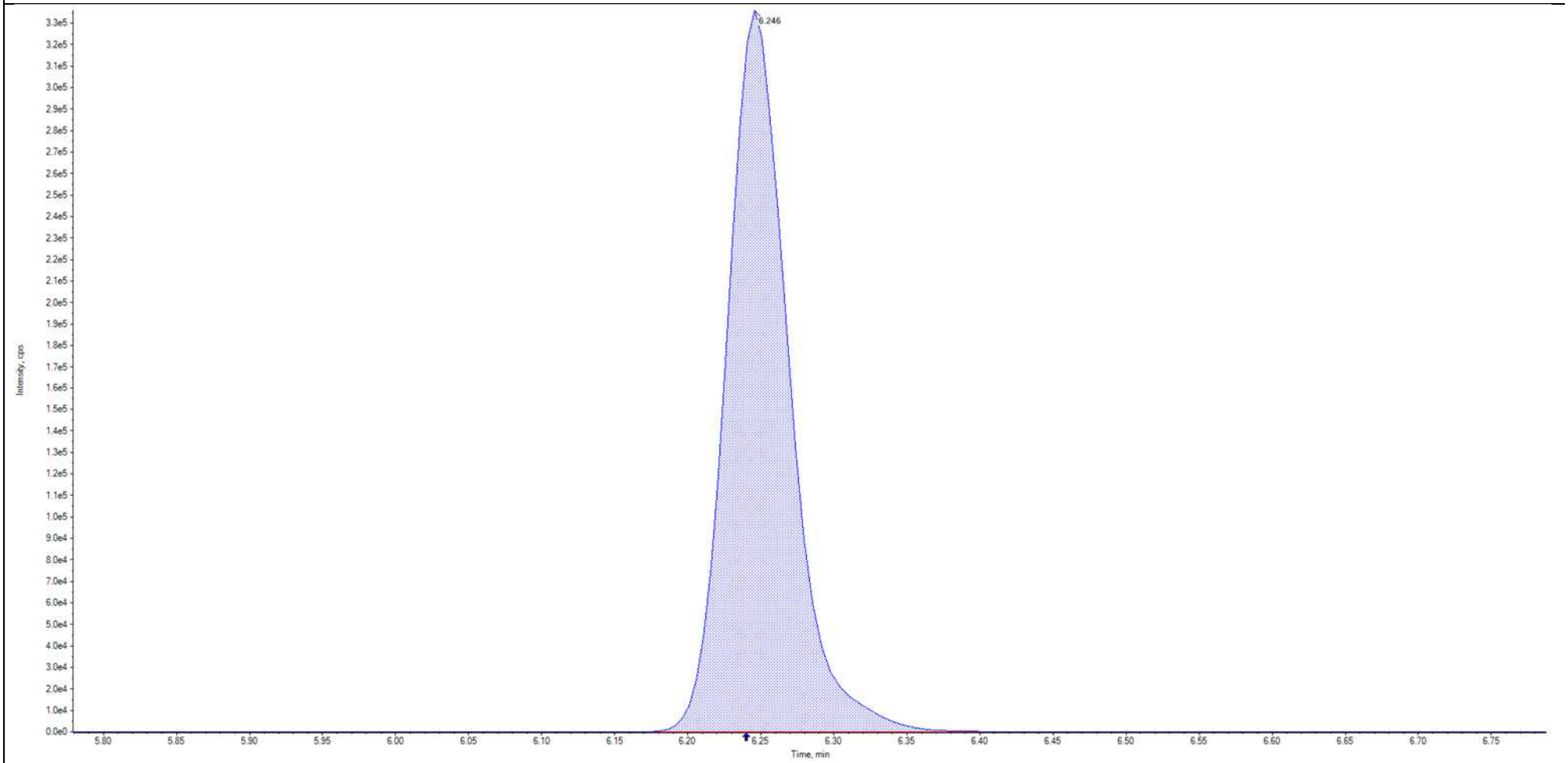
Generated: 8/14/2024 9:40:32 AM

13C5-PFHxA
Sample: WG1958909-5,BSICS



13C4-PFHpA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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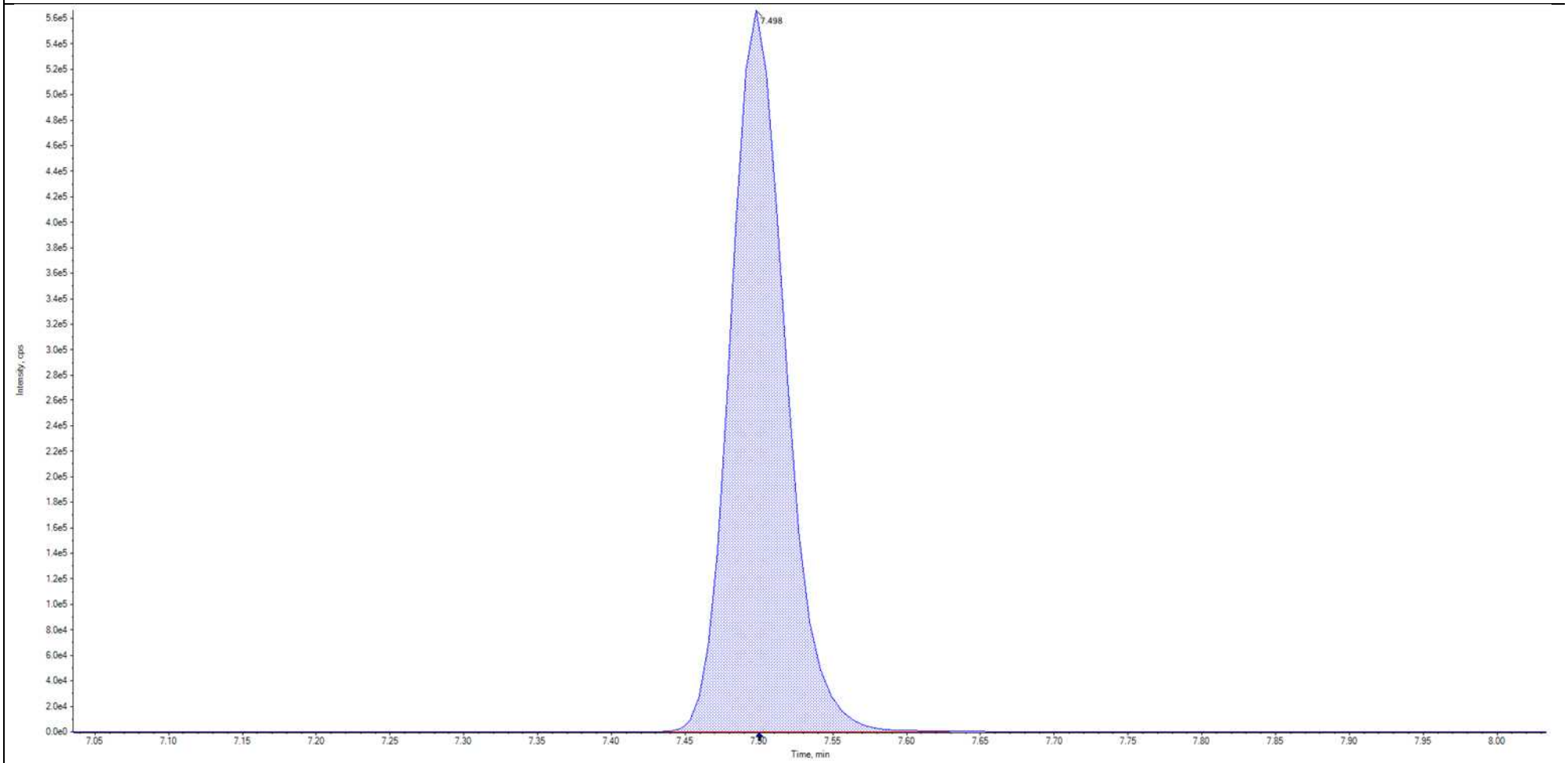
Generated: 8/14/2024 9:40:32 AM

13C8-PFOA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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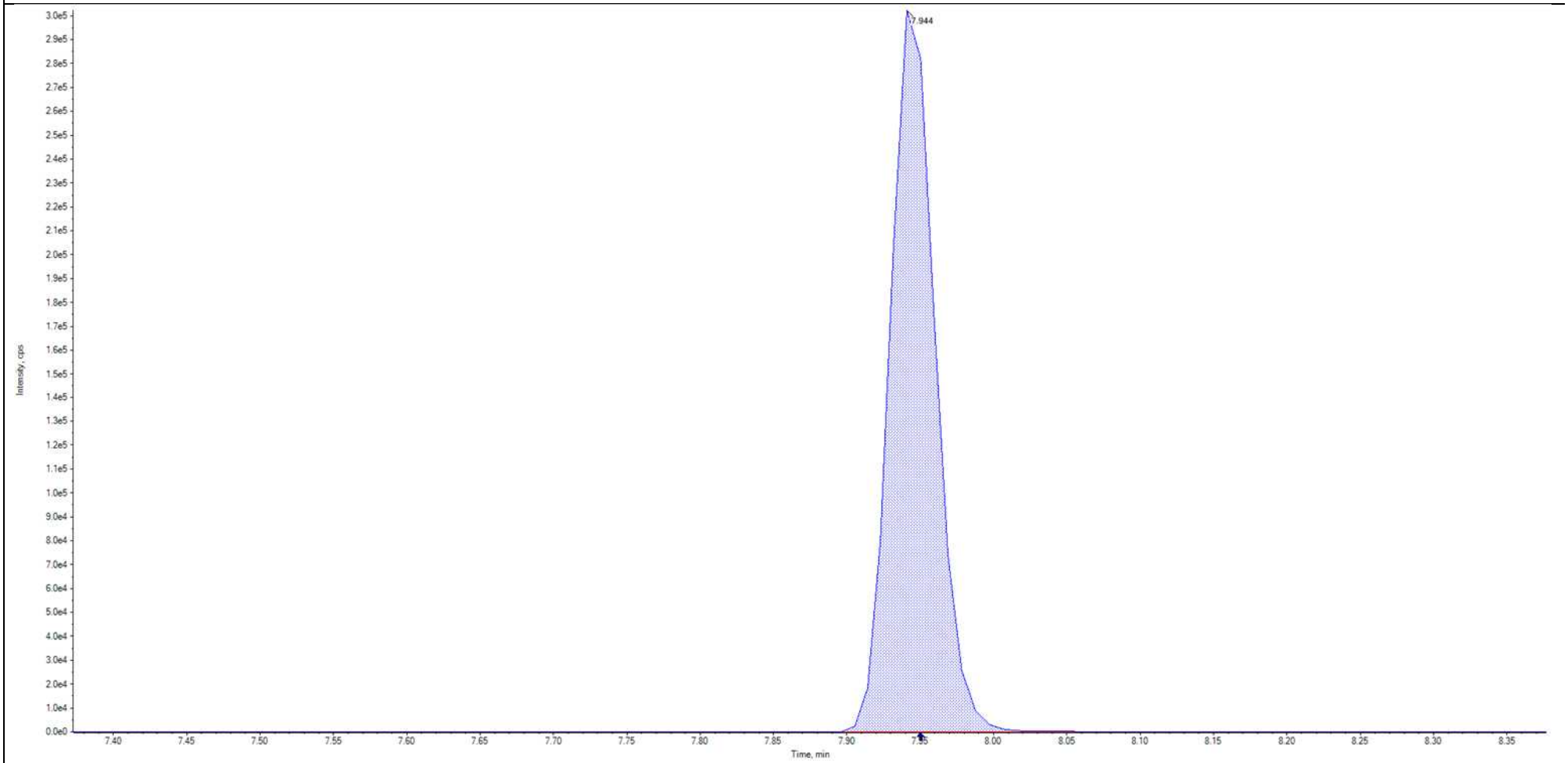
13C9-PFNA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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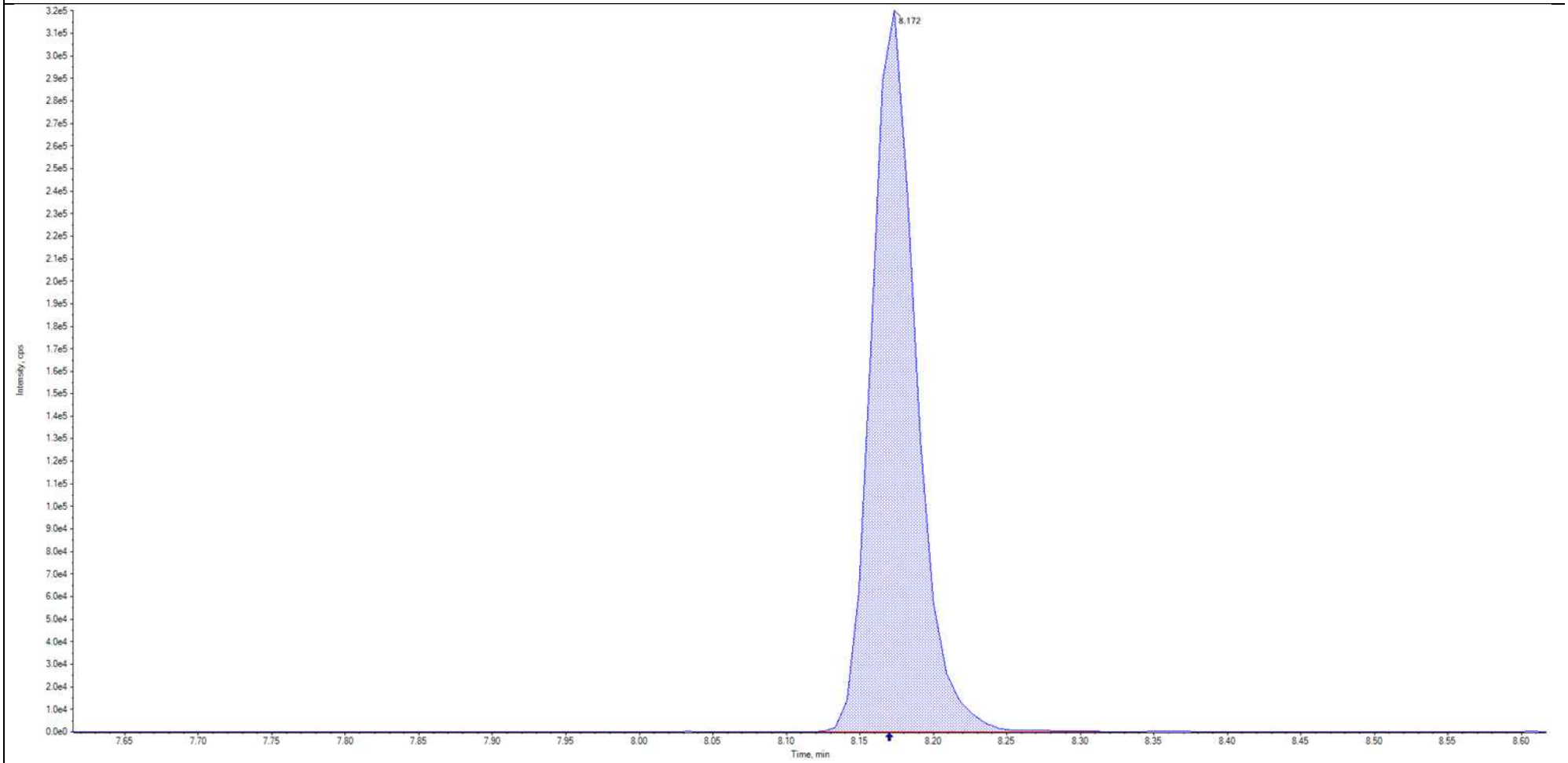
13C6-PFDA
Sample: WG1958909-5,BSICS



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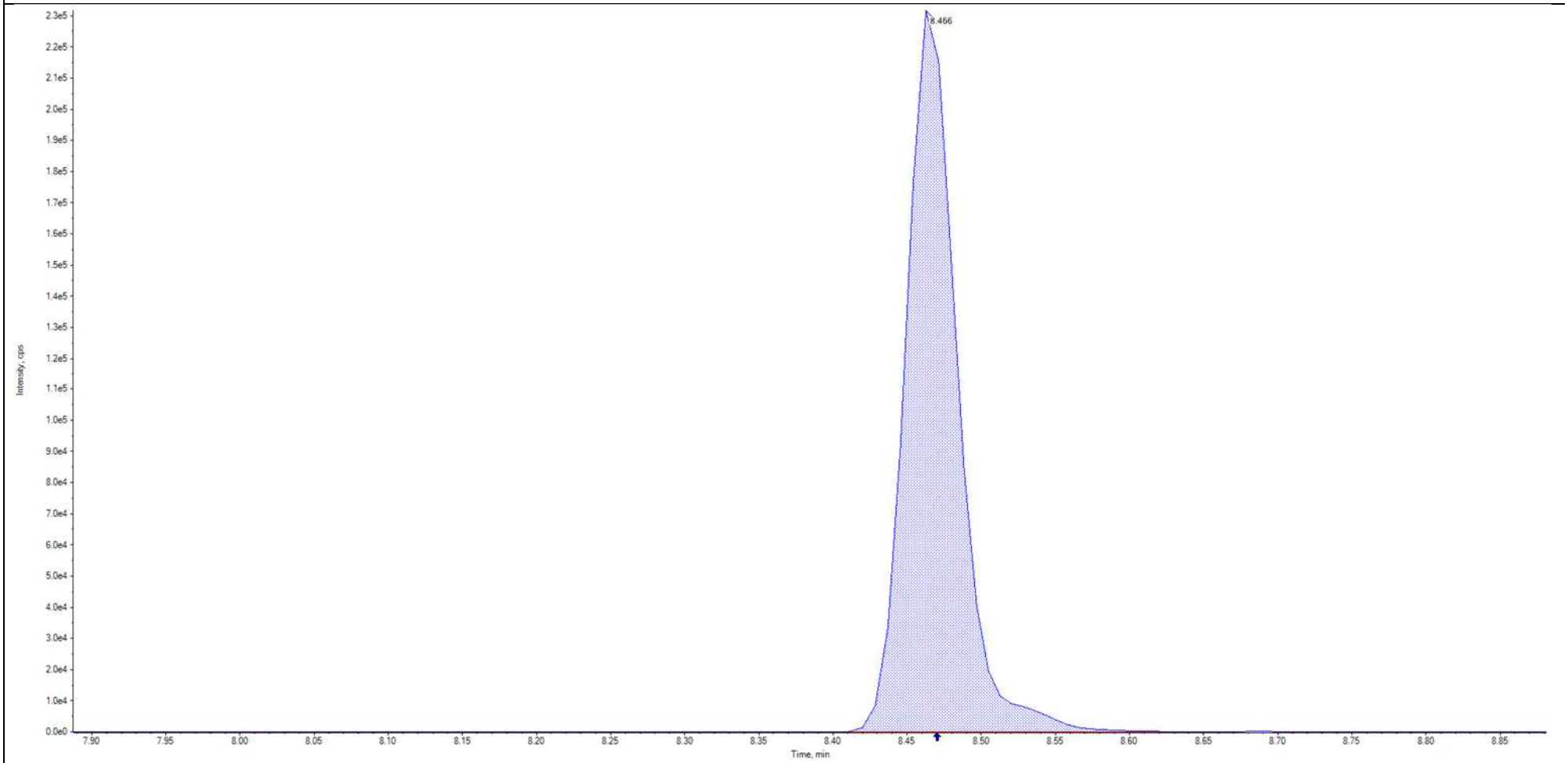
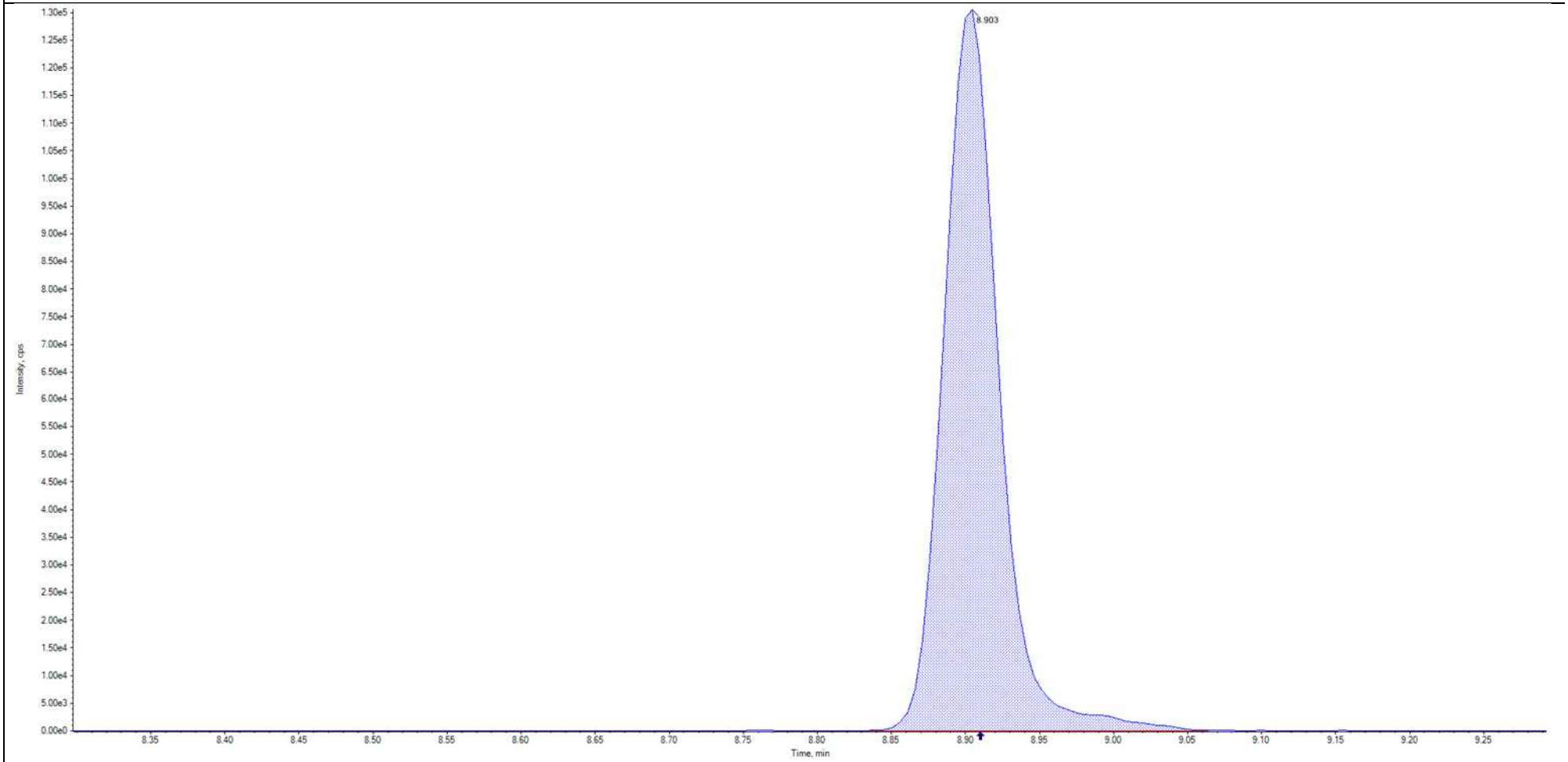
Generated: 8/14/2024 9:40:32 AM

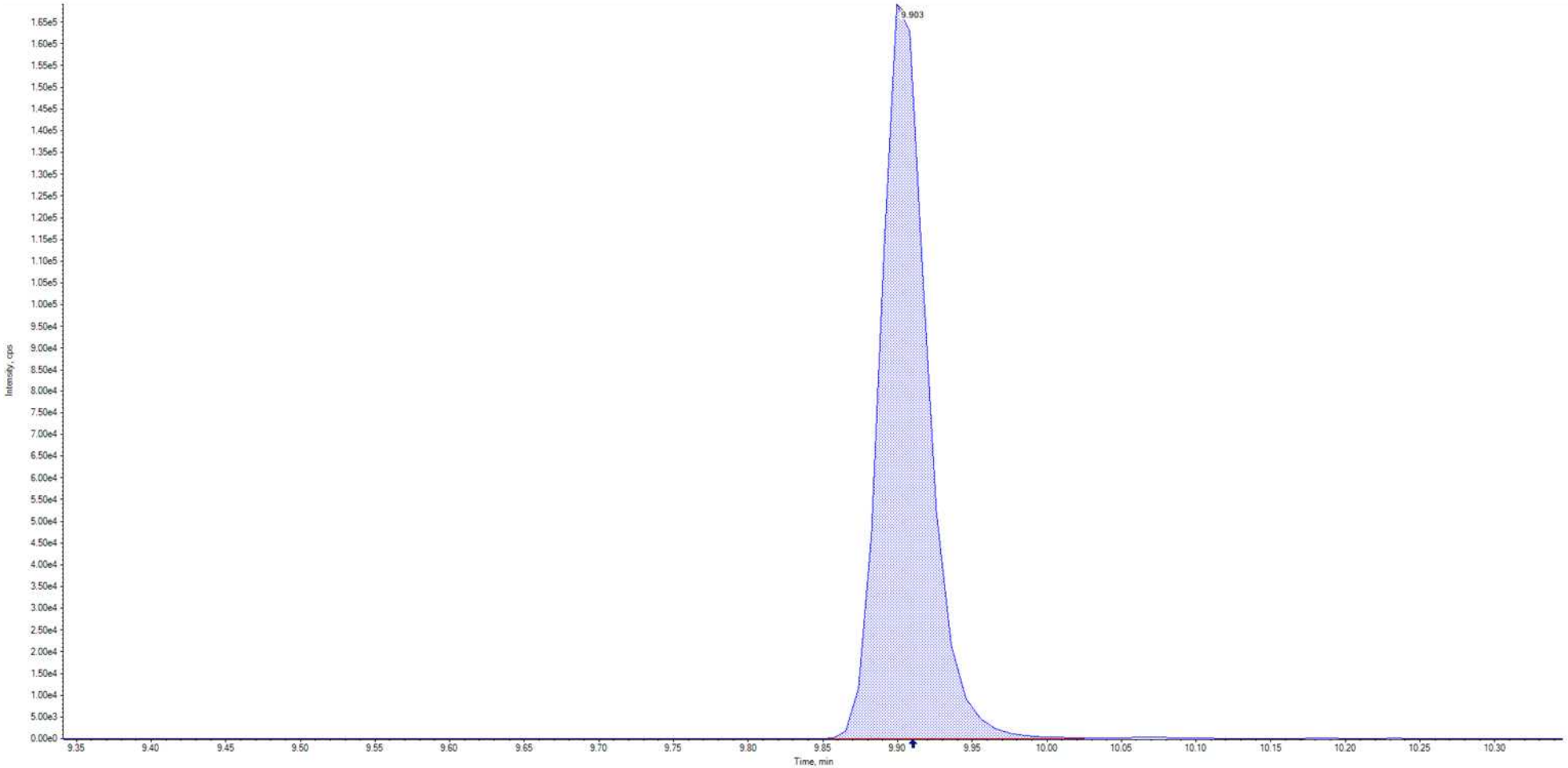
13C7-PFUnA
Sample: WG1958909-5,BSICS



13C2-PFDoA
Sample: WG1958909-5,BSICS



13C2-PFTeDA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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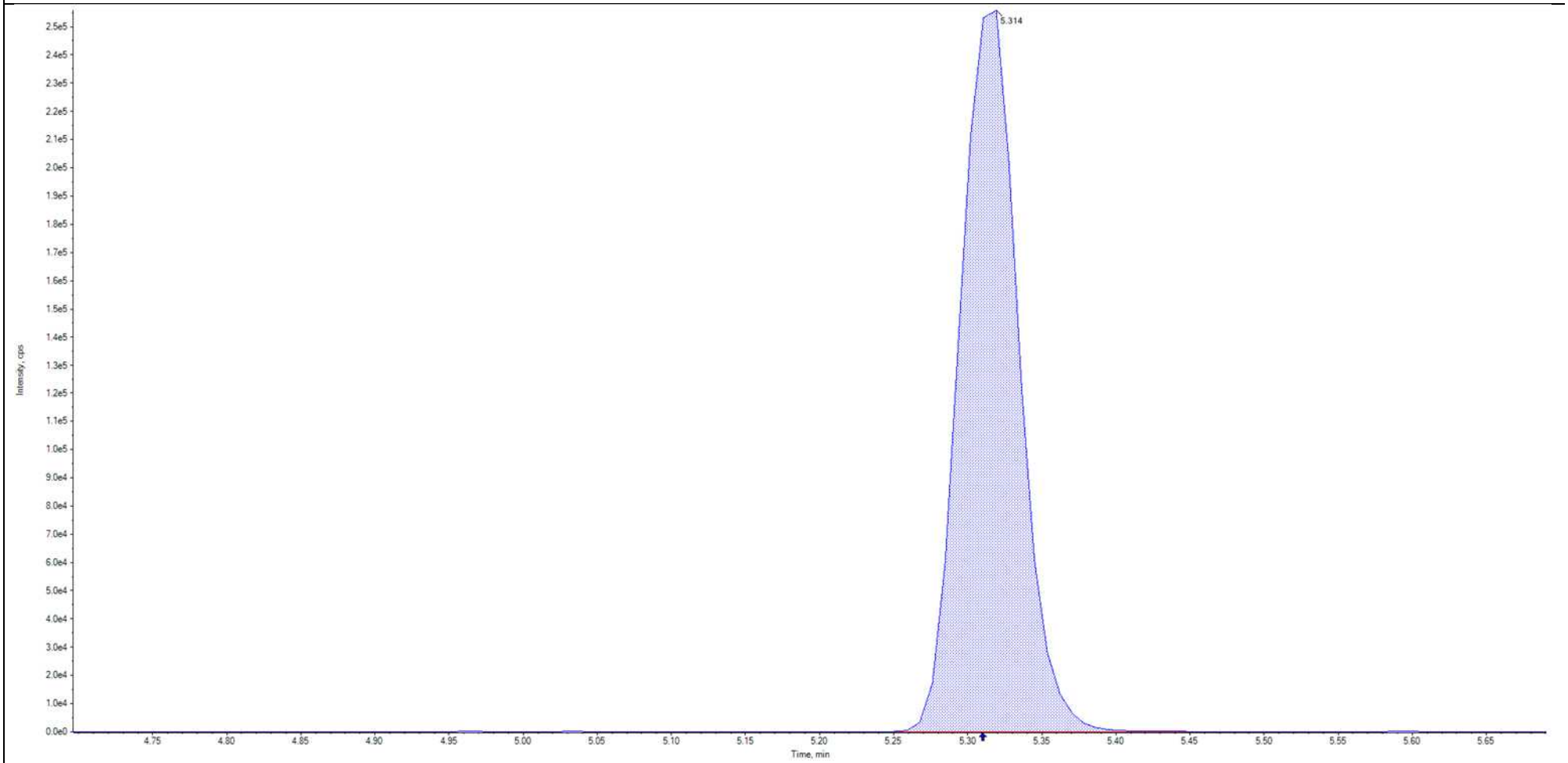
13C3-PFBS
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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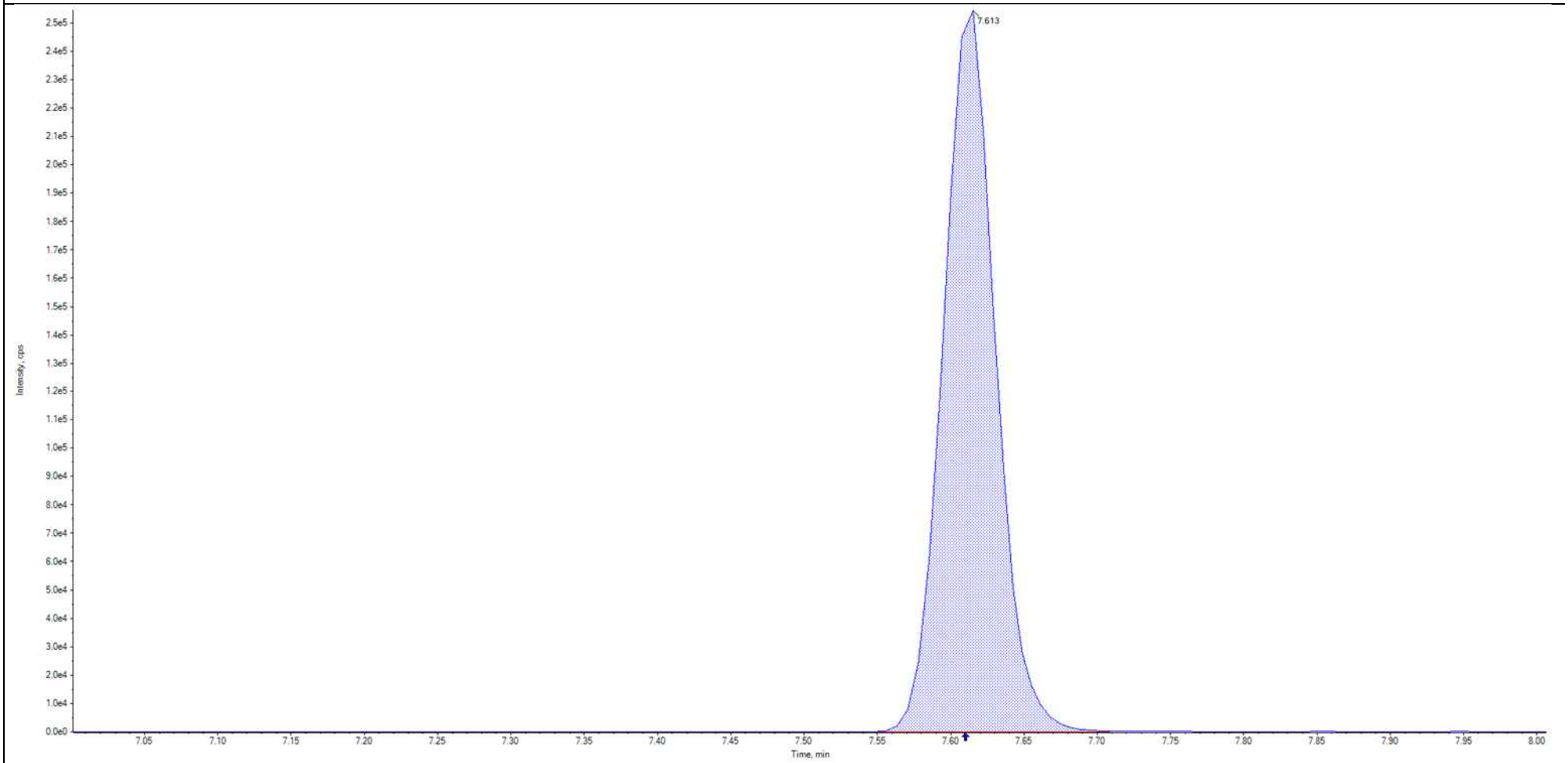
Generated: 8/14/2024 9:40:32 AM

13C3-PFHxS
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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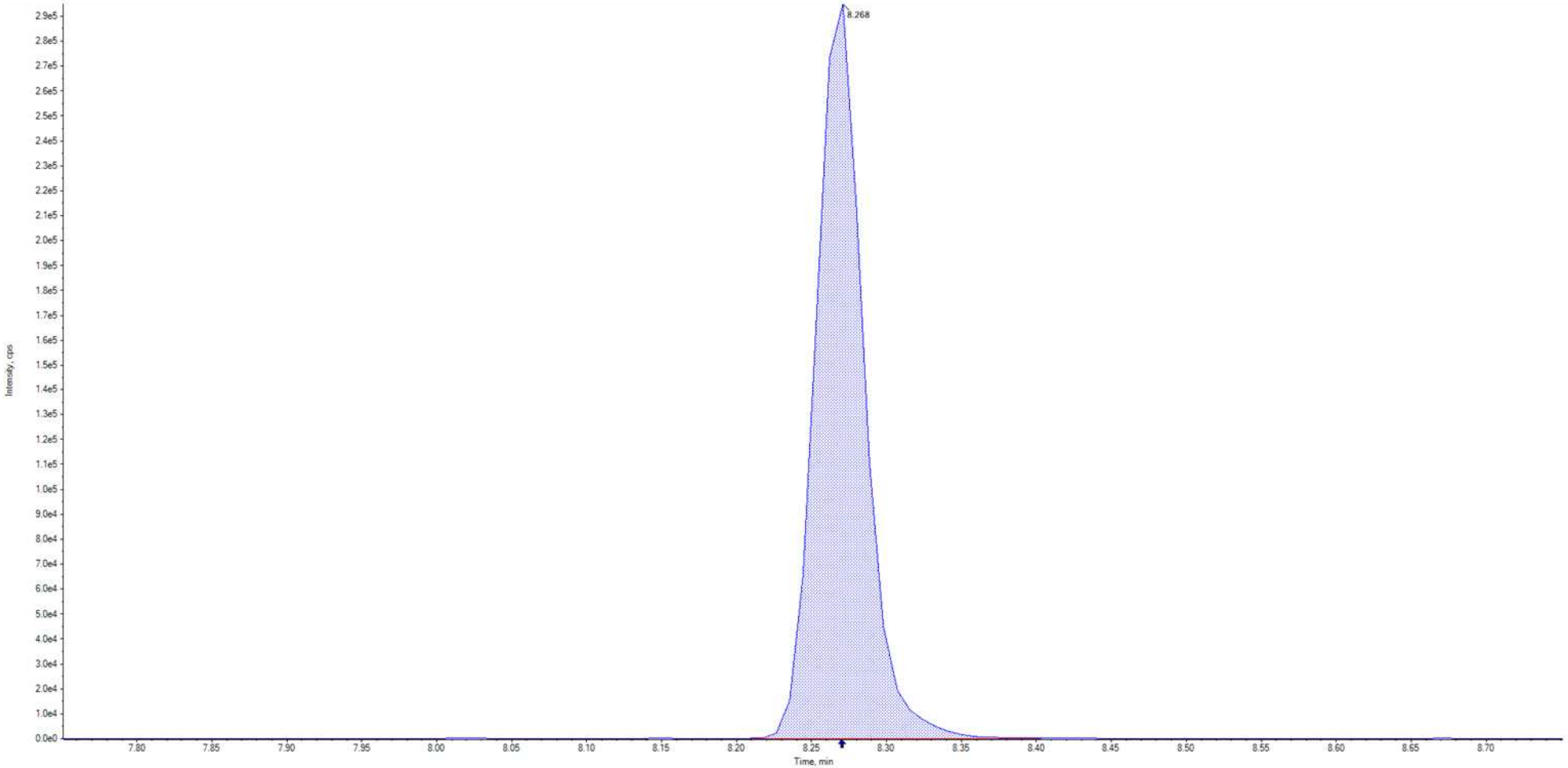
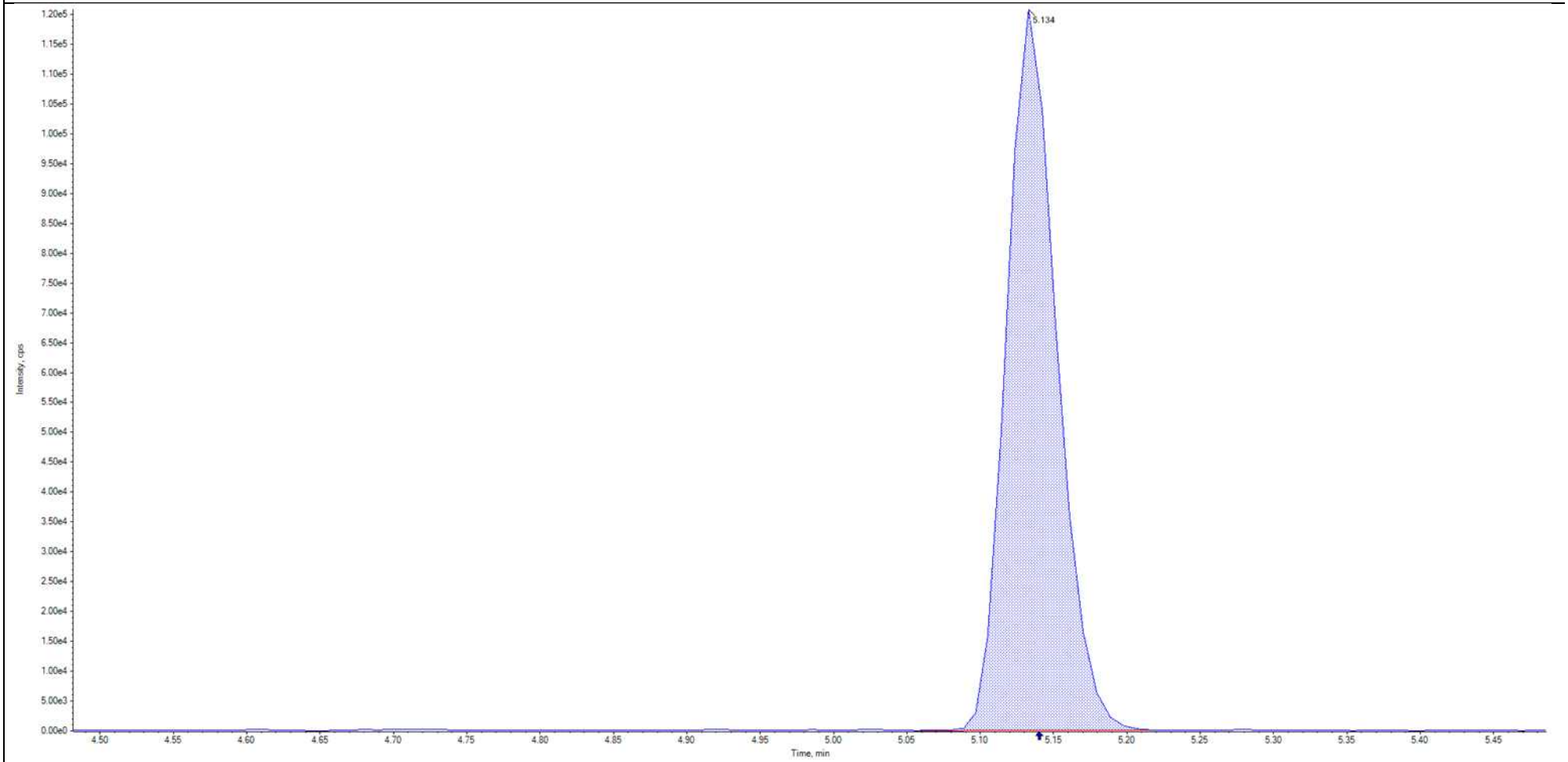
Generated: 8/14/2024 9:40:32 AM

13C8-PFOS
Sample: WG1958909-5,BSICS

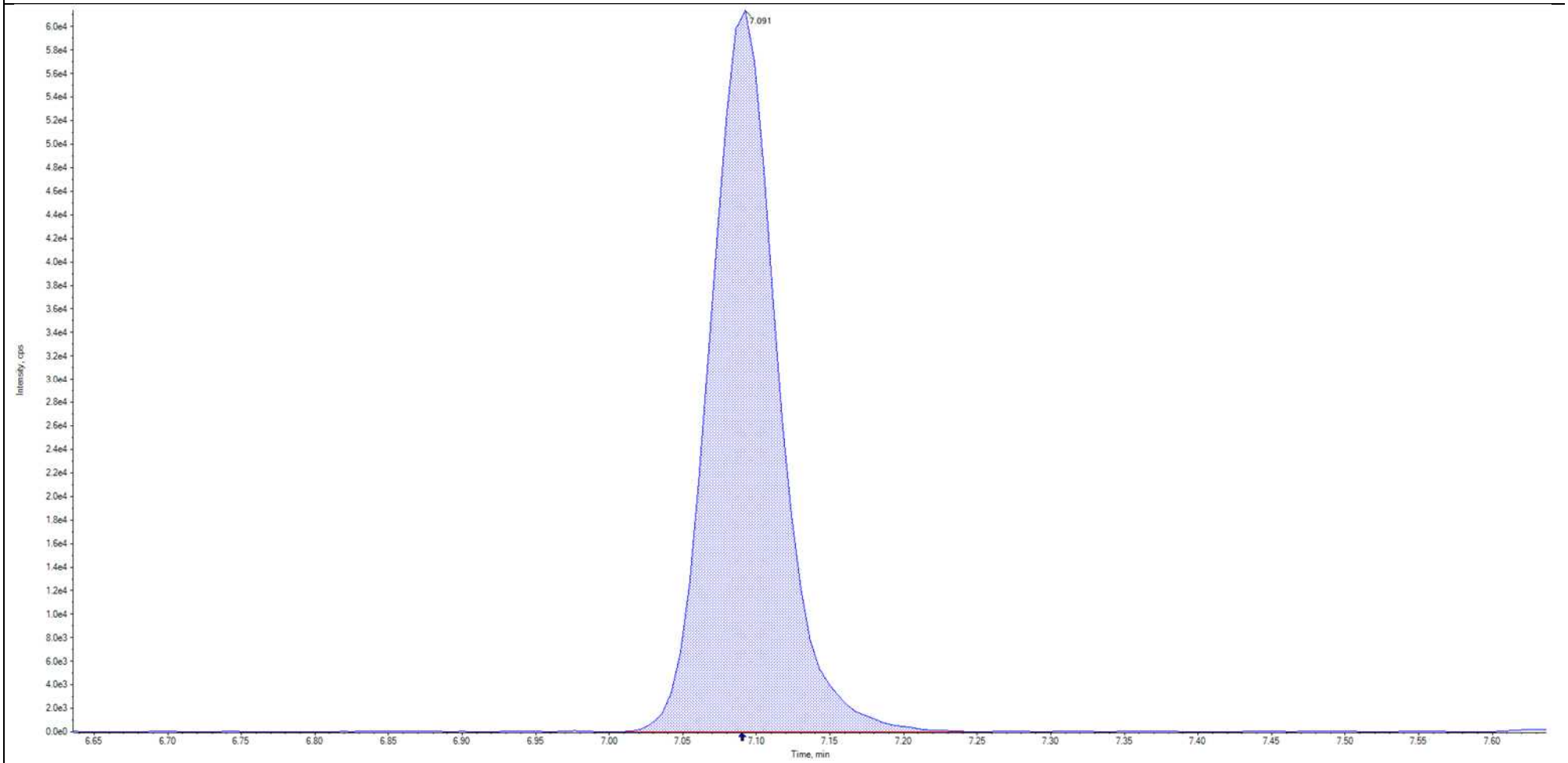


13C2-4:2FTS
Sample: WG1958909-5,BSICS

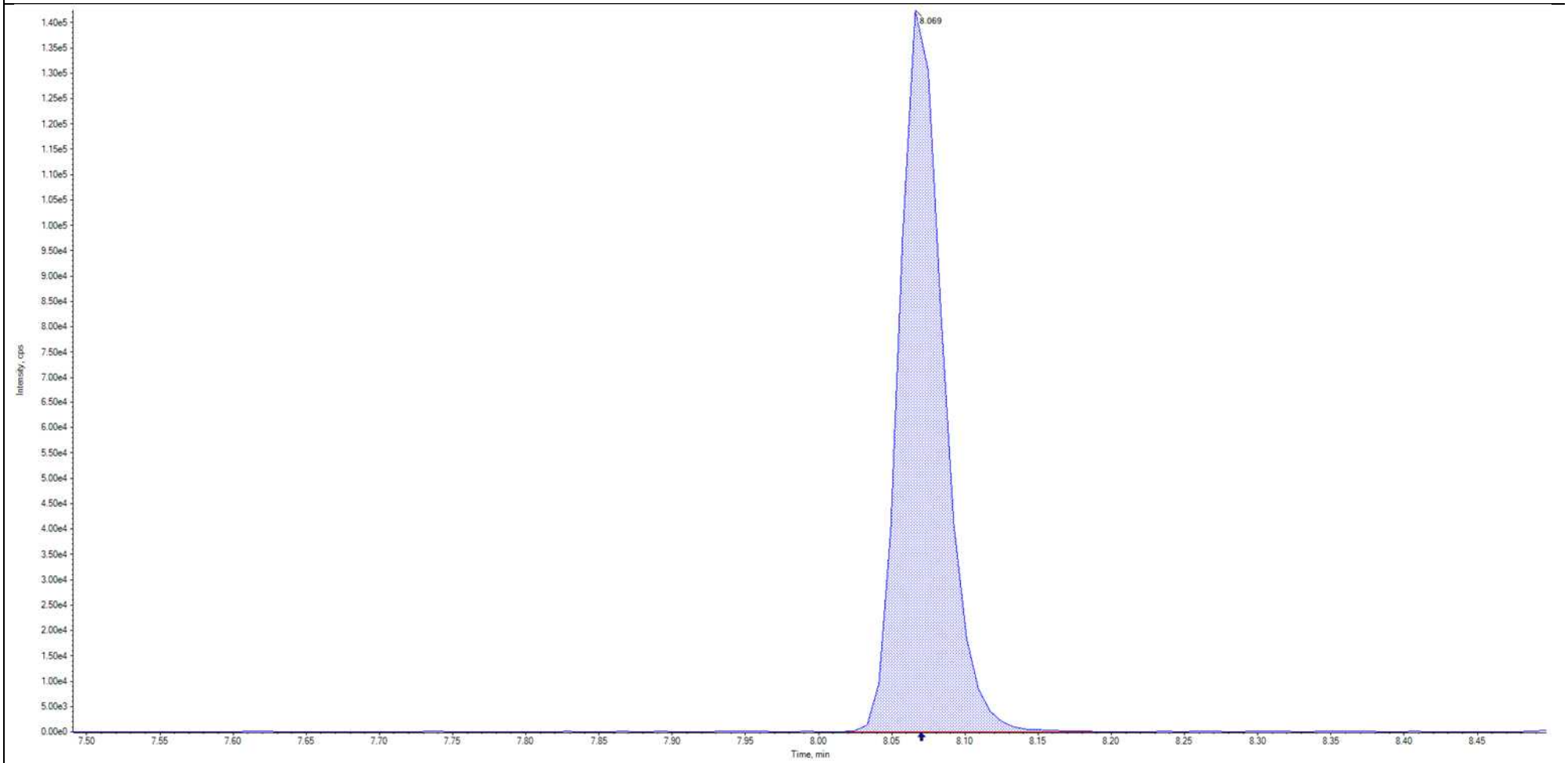


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

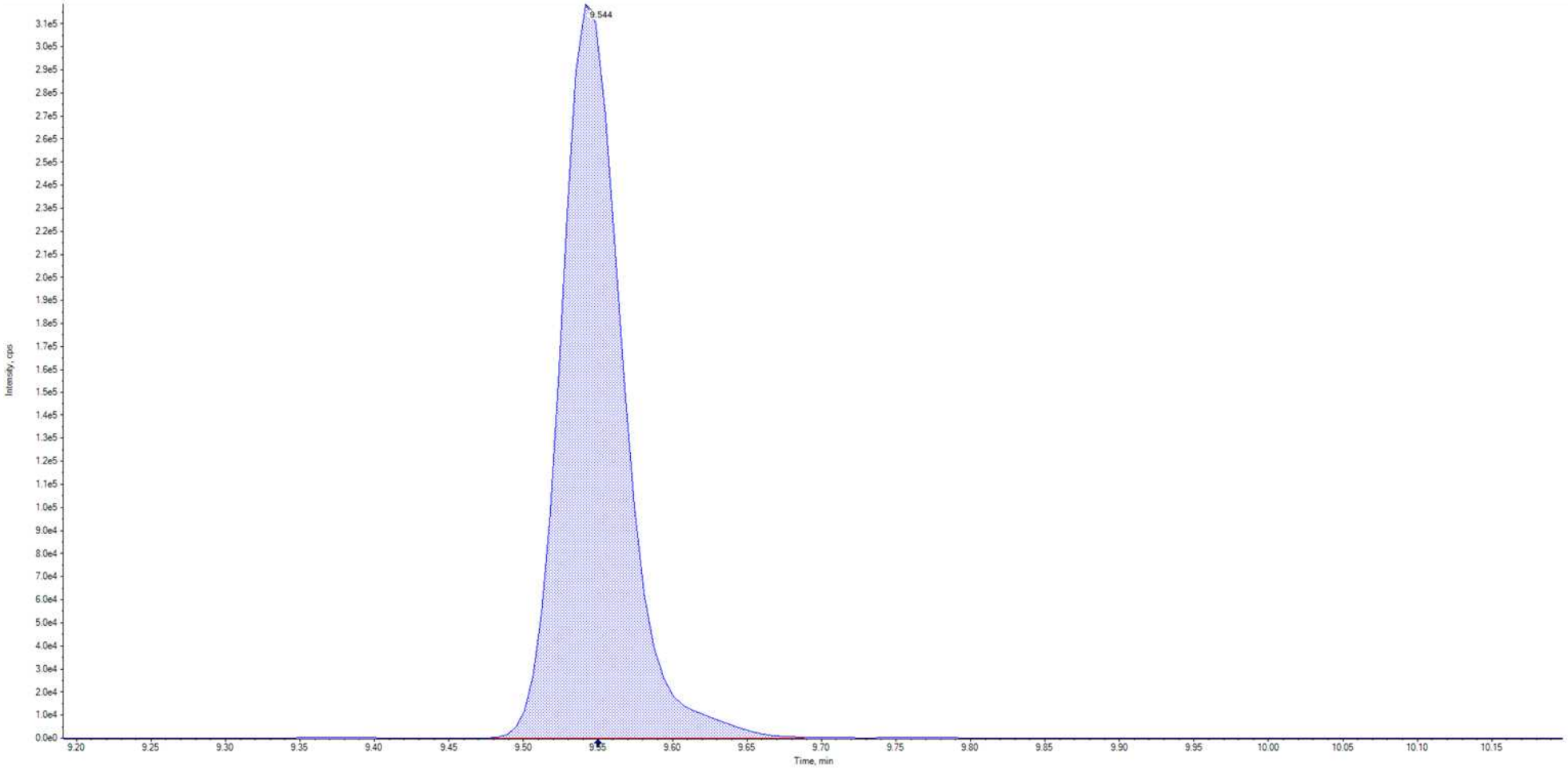
13C2-6:2FTS
Sample: WG1958909-5,BSICS



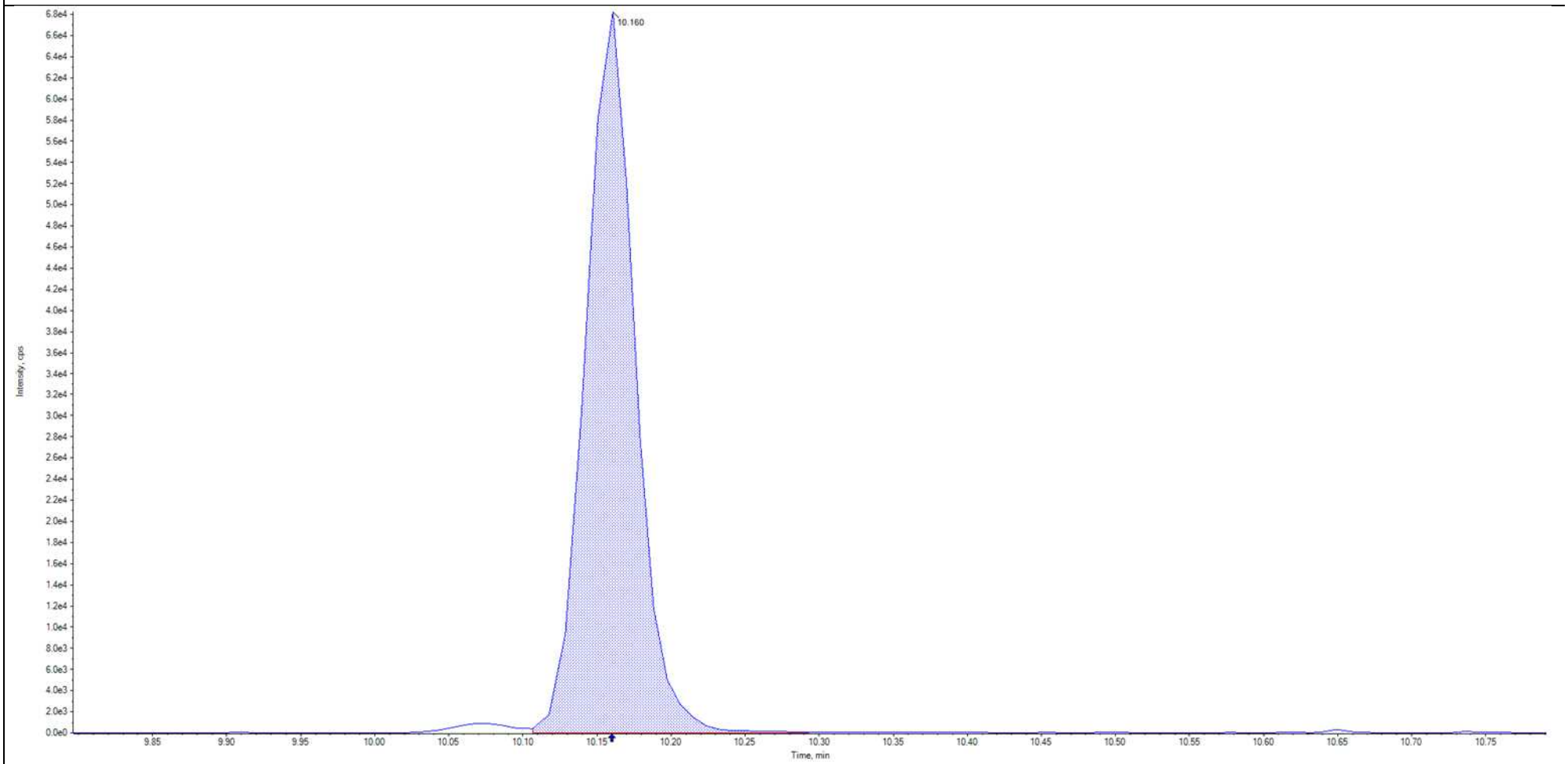
13C2-8:2FTS
Sample: WG1958909-5,BSICS



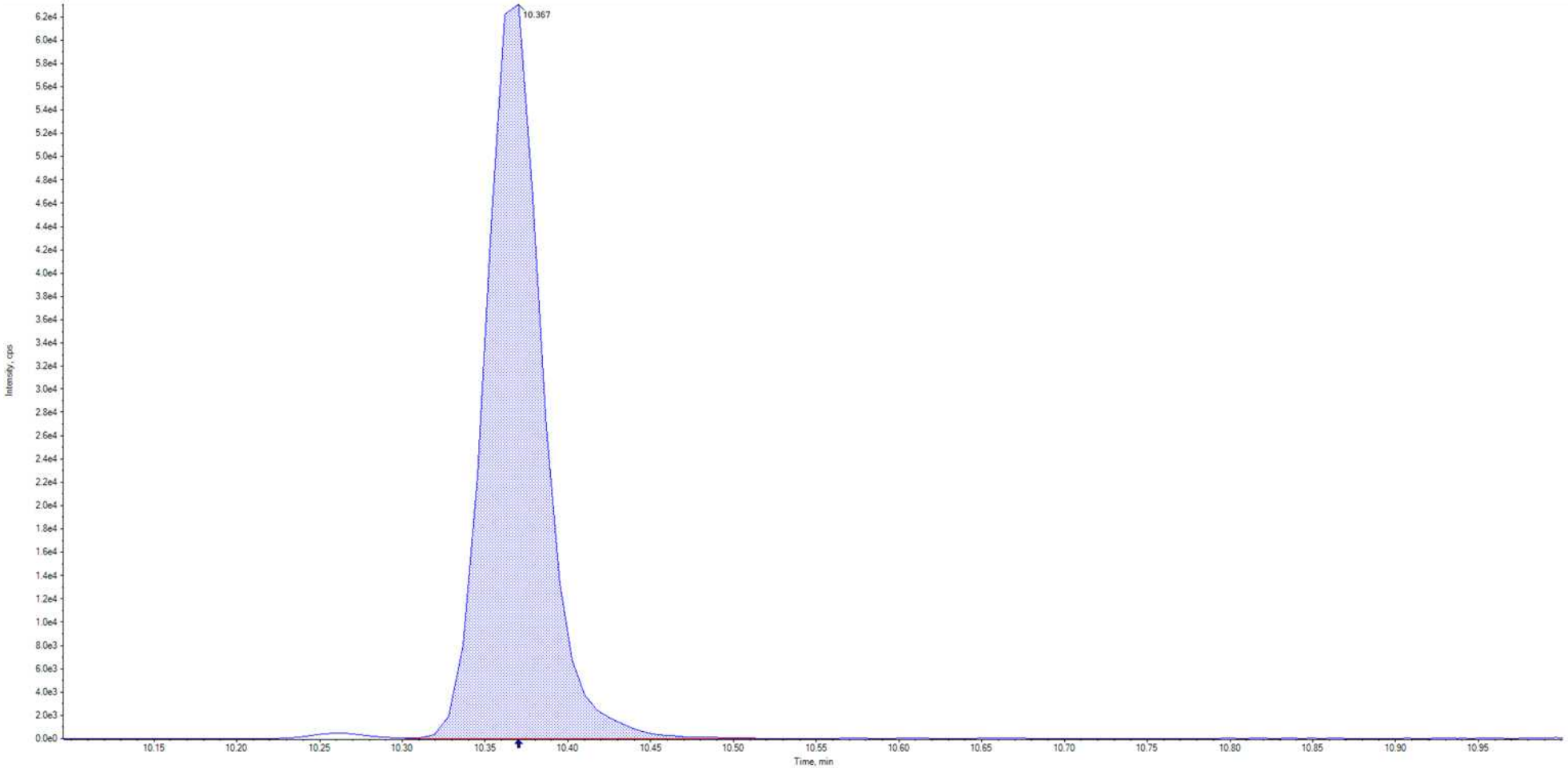
13C8-PFOSA
Sample: WG1958909-5,BSICS



d3-NMeFOSA
Sample: WG1958909-5,BSICS



d5-NEtFOSA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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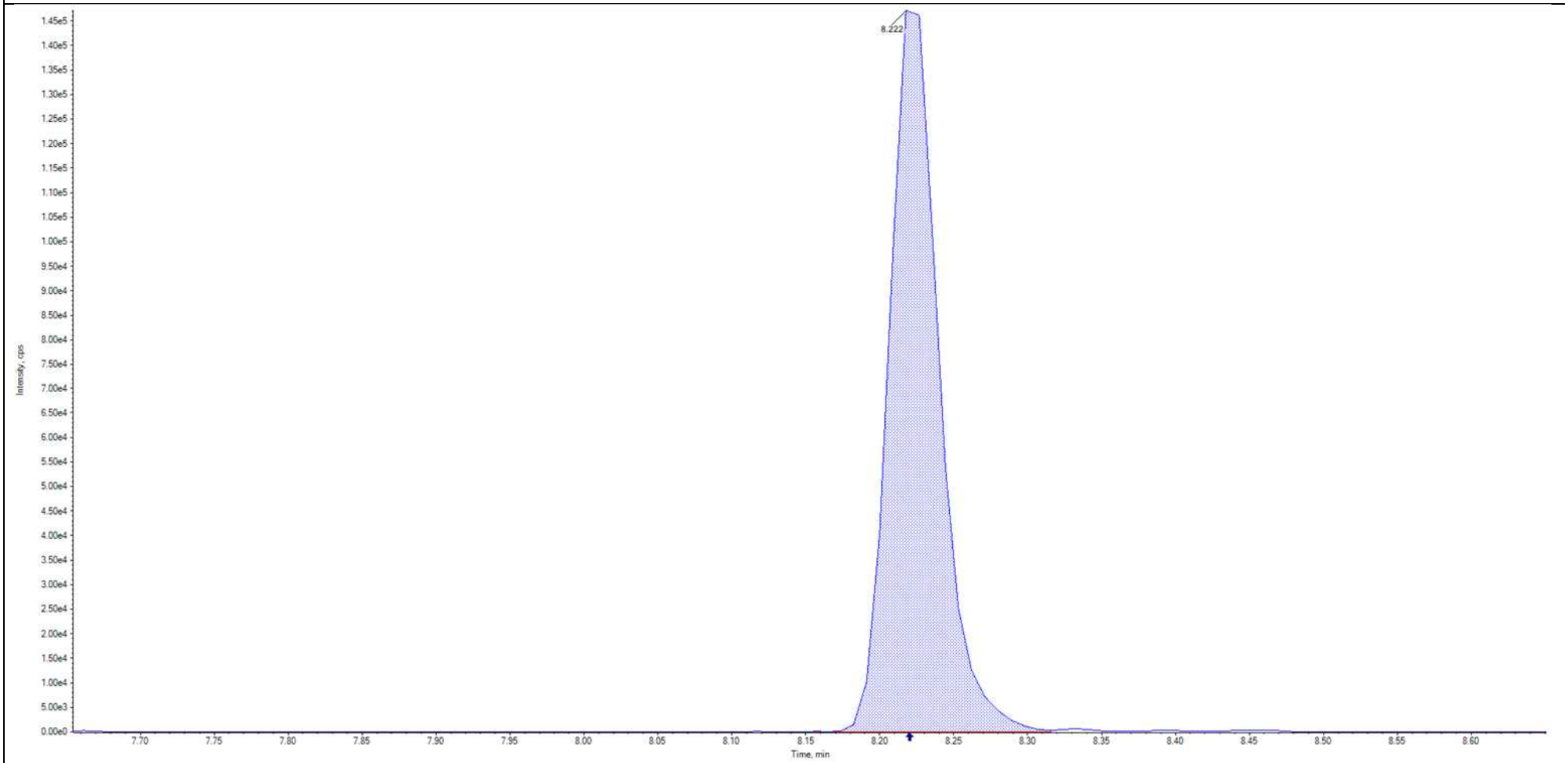
d3-NMeFOSAA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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d5-NEtFOSAA
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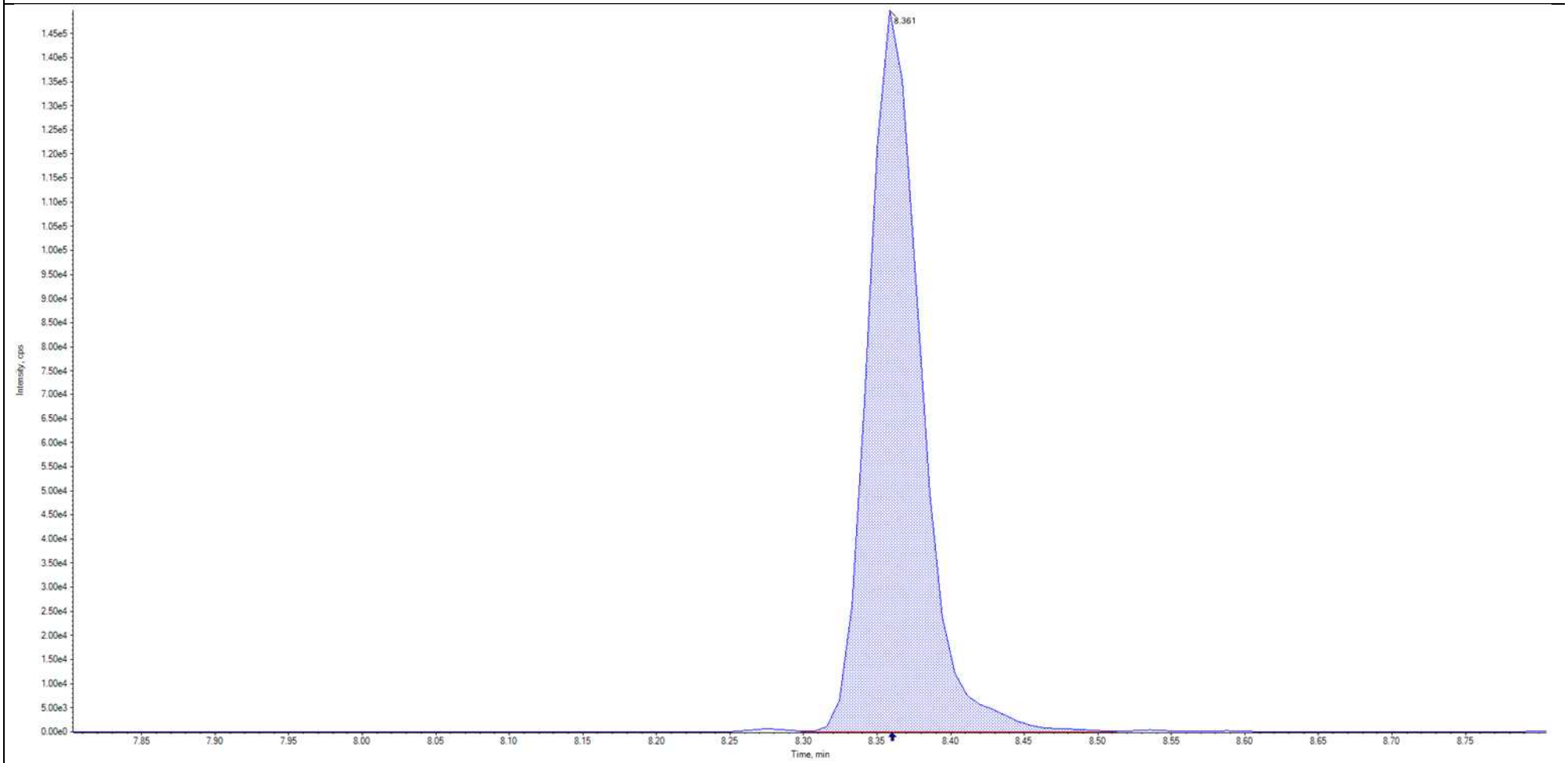
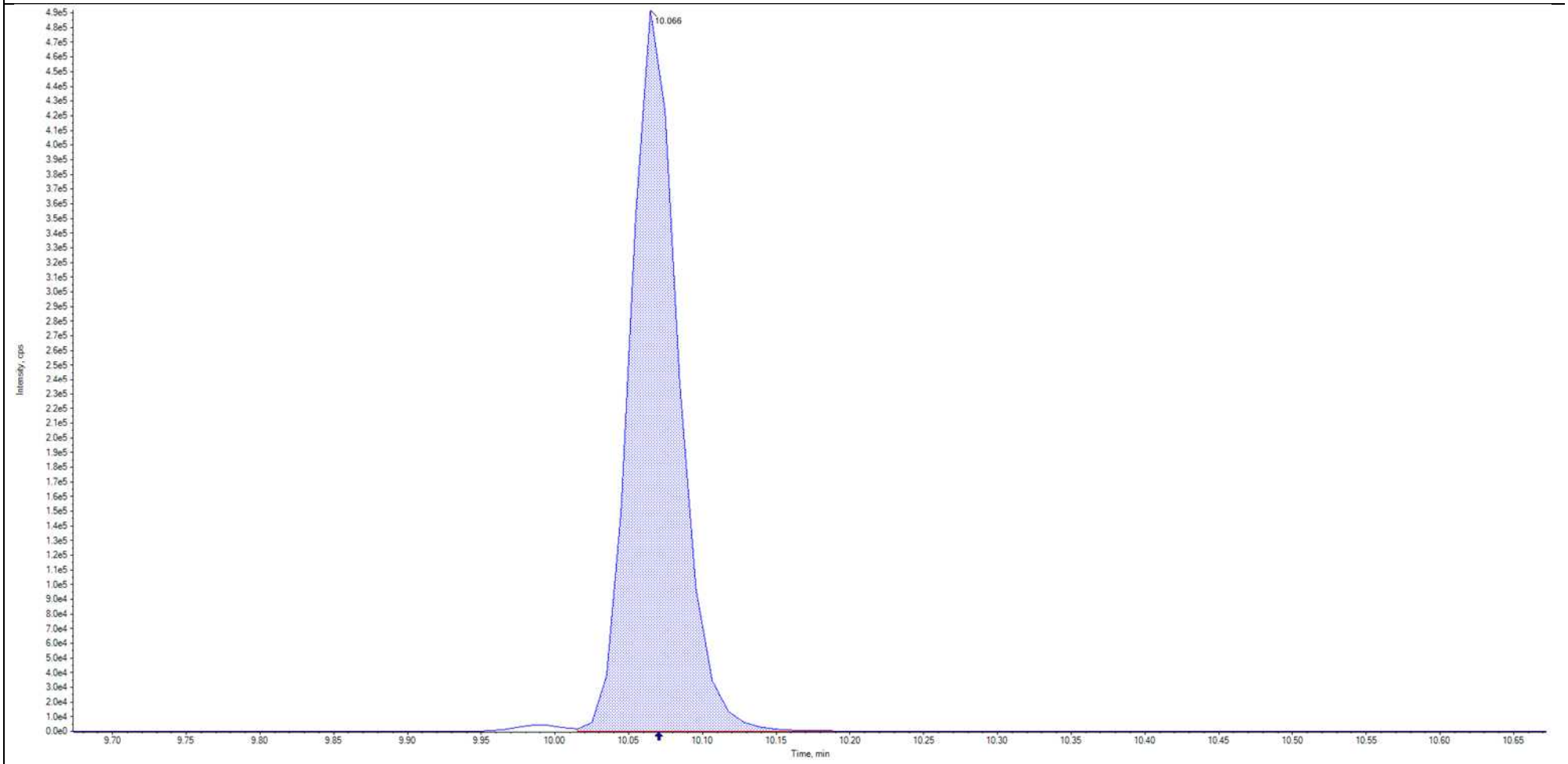
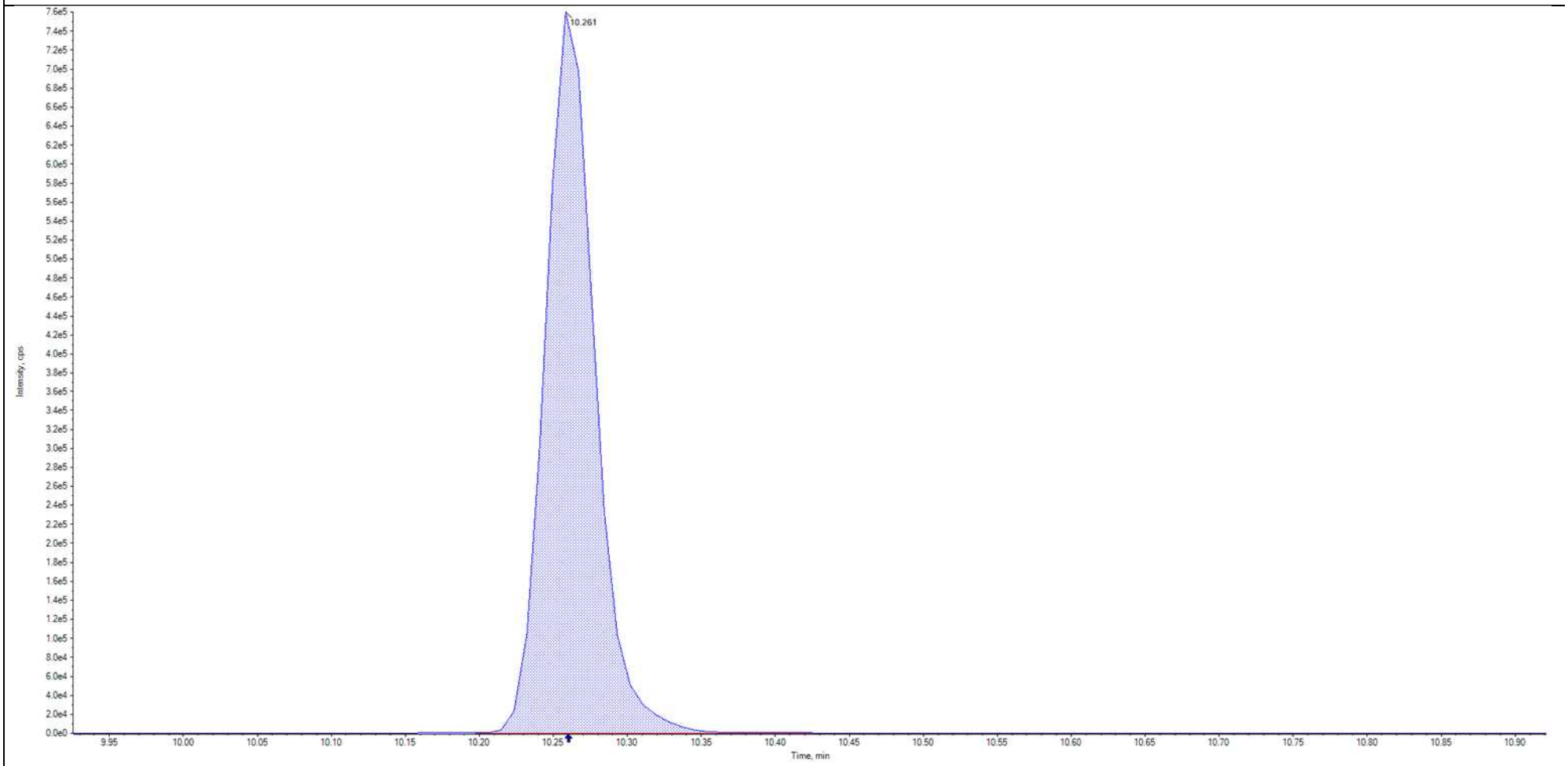


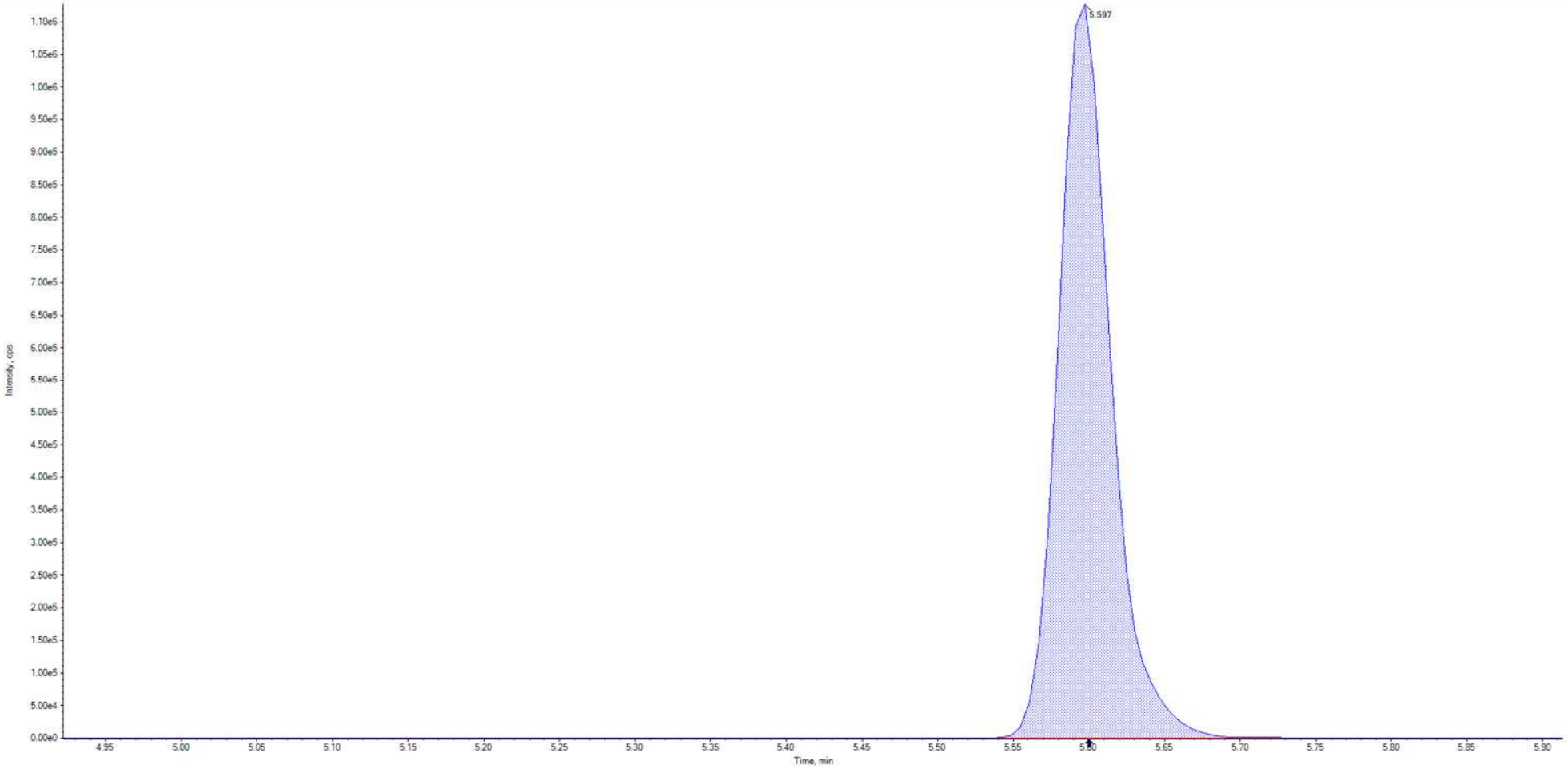
d7-NMeFOSE
Sample: WG1958909-5,BSICS



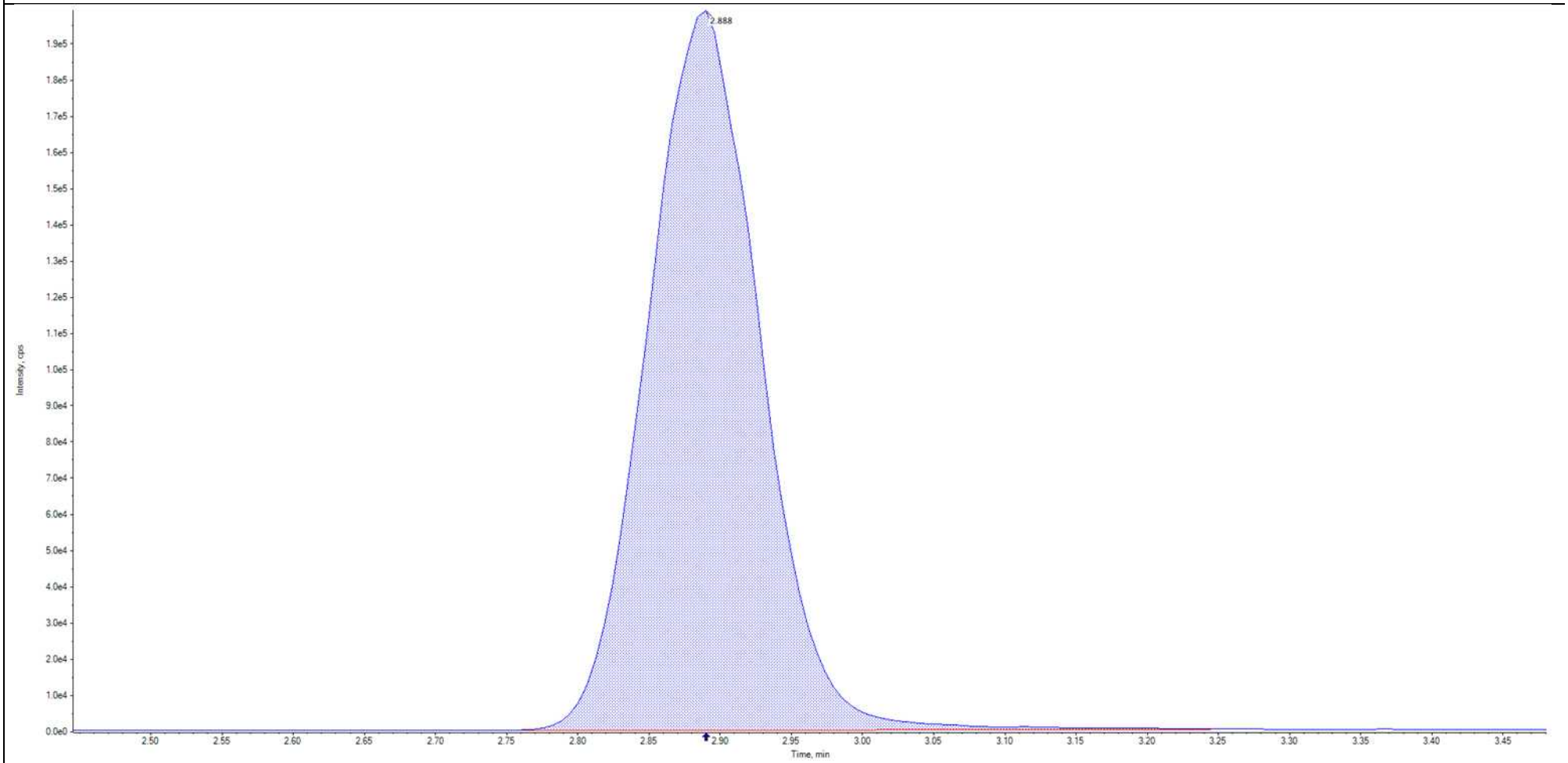
d9-NEtFOSE
Sample: WG1958909-5,BSICS



13C3-HFPO-DA
Sample: WG1958909-5,BSICS



13C3-PFBA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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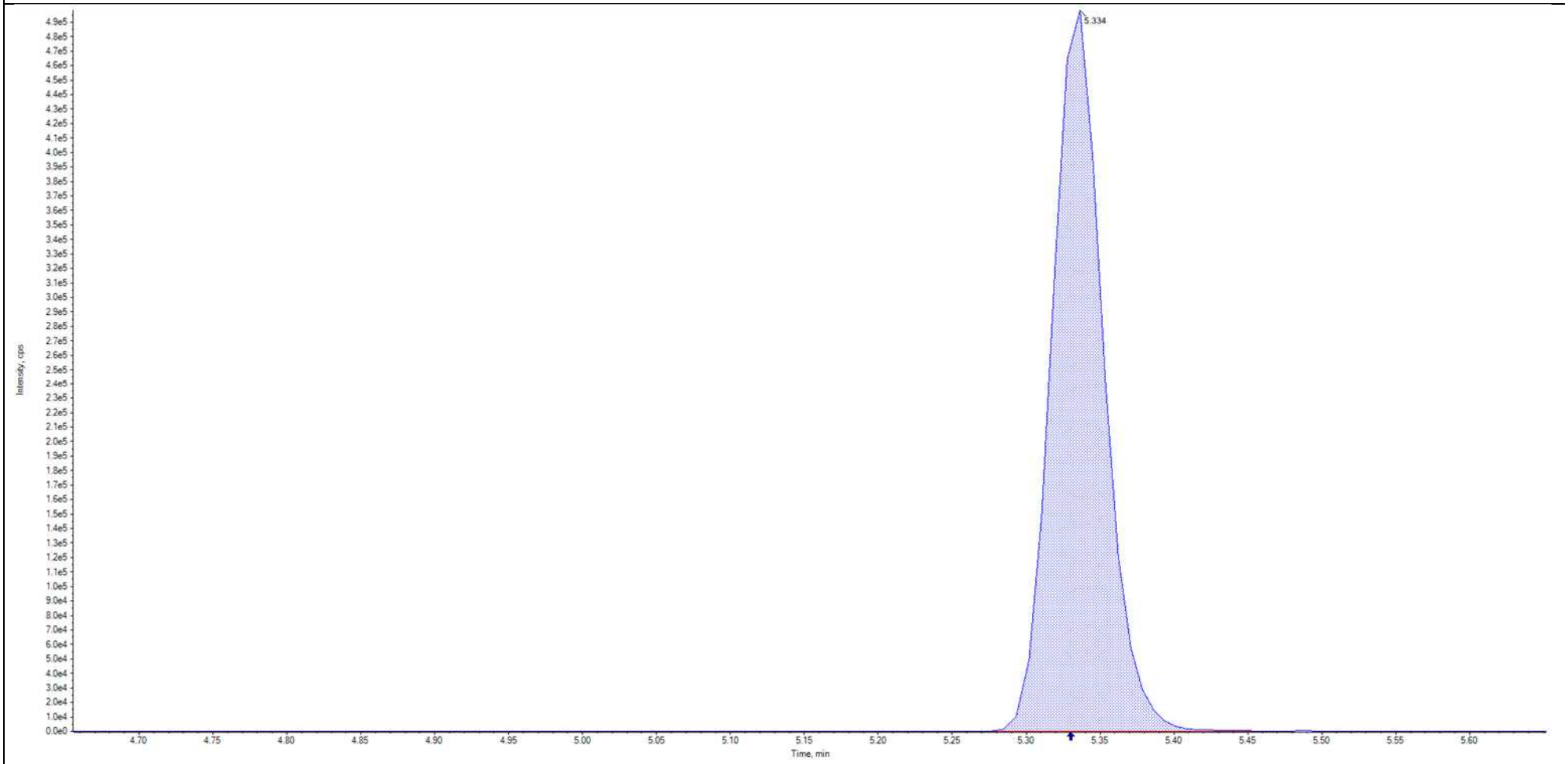
Generated: 8/14/2024 9:40:32 AM

13C2-PFHxA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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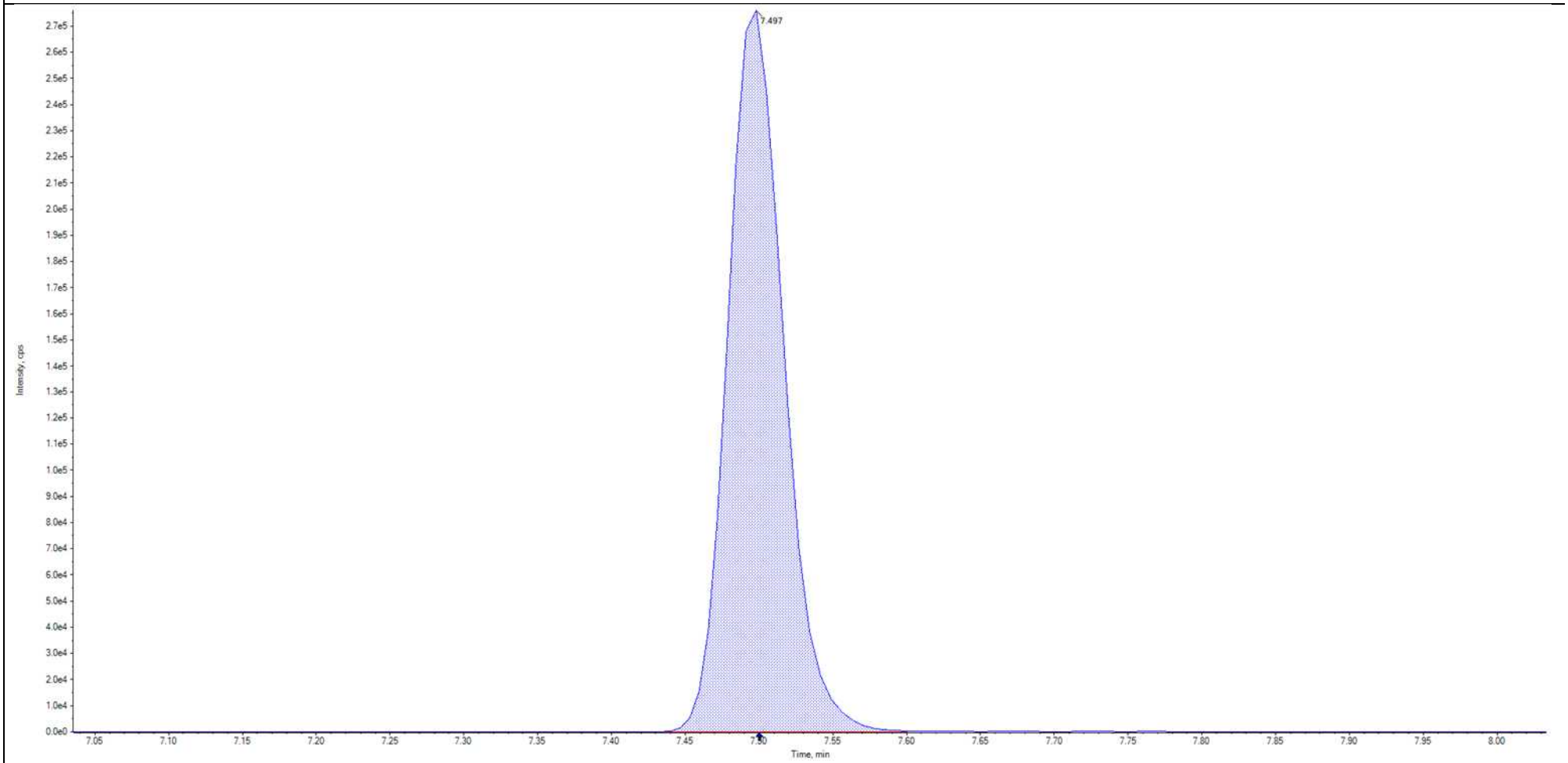
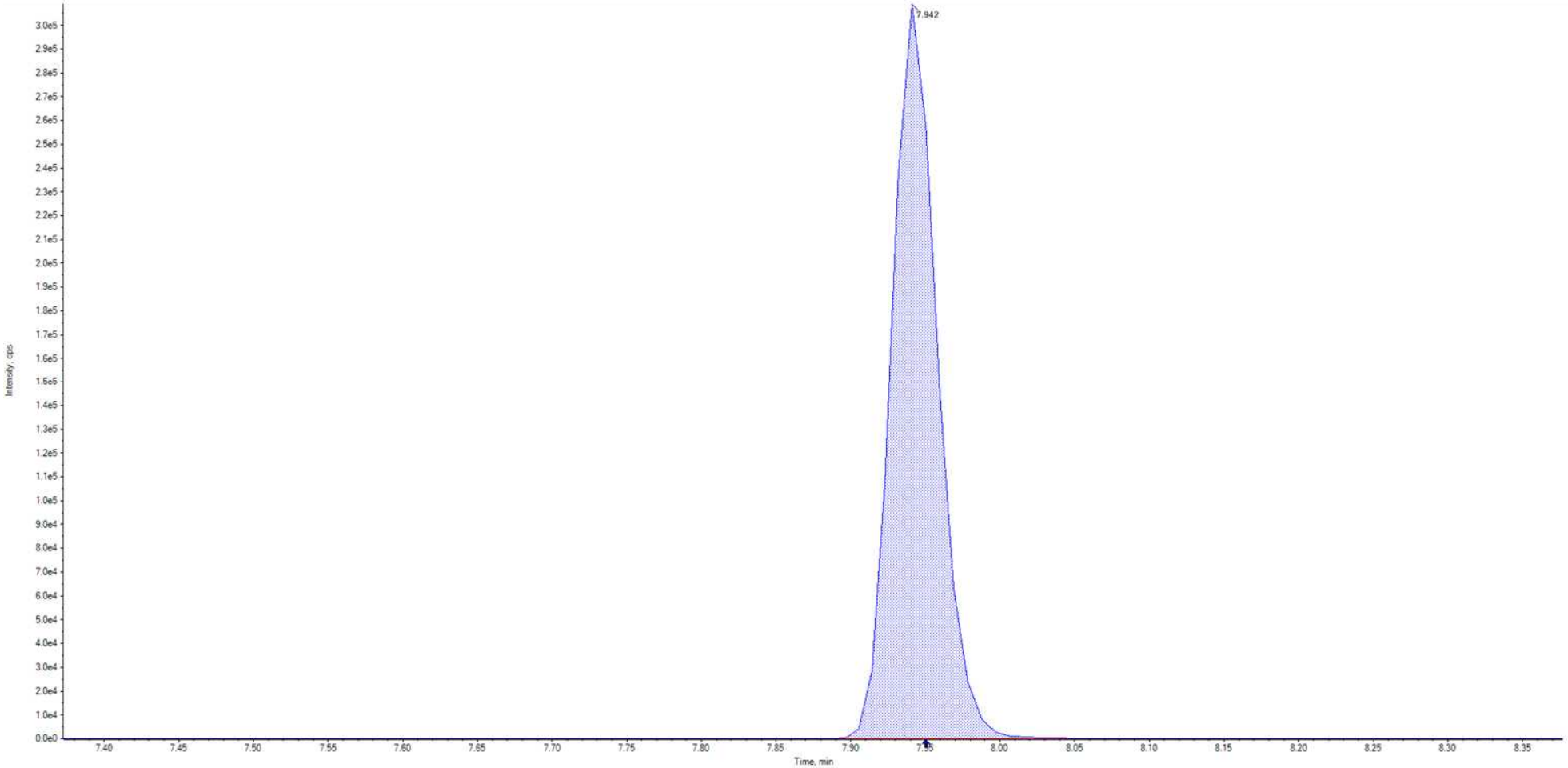
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOA
Sample: WG1958909-5,BSICS

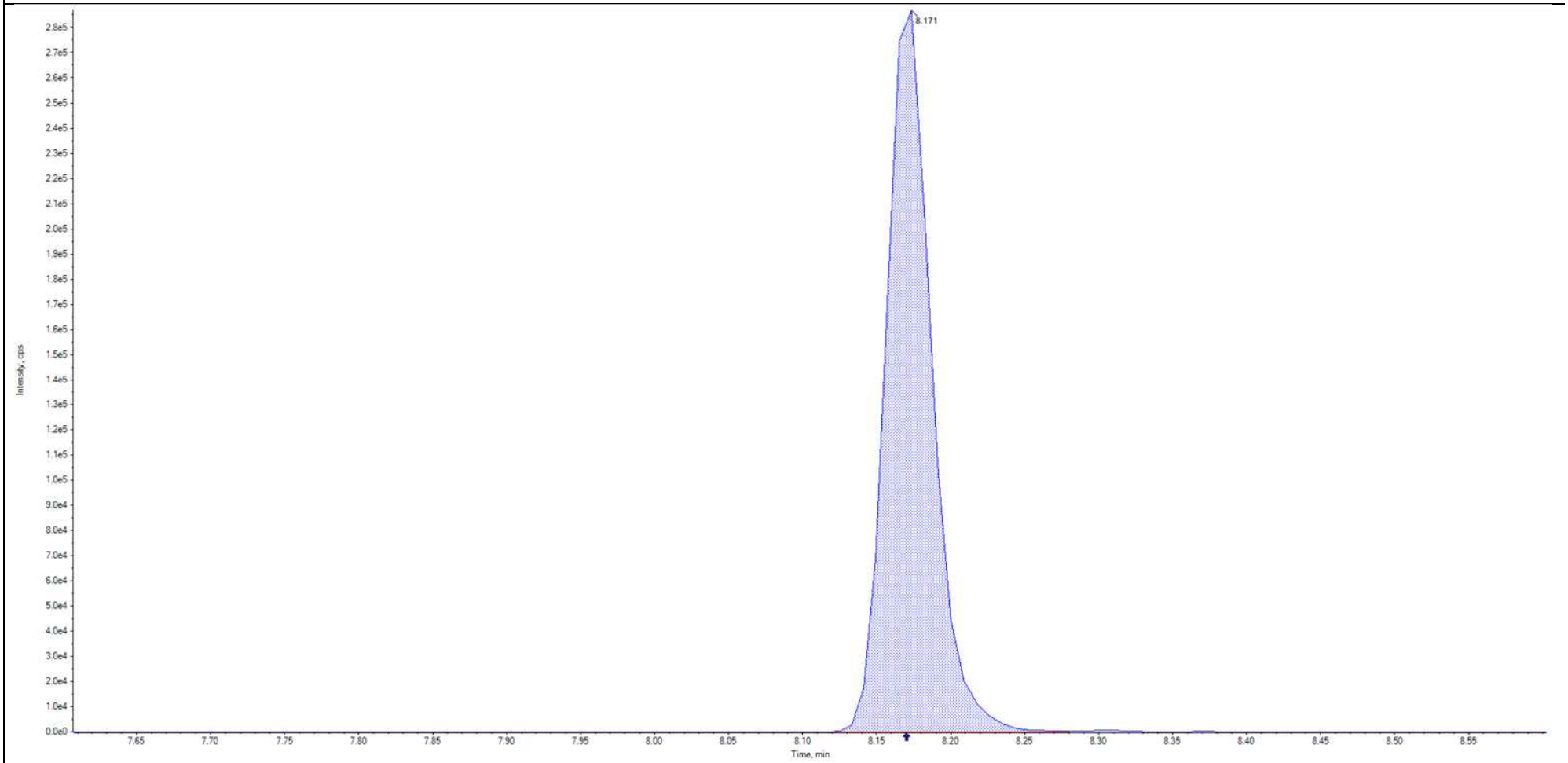


13C5-PFNA
Sample: WG1958909-5,BSICS



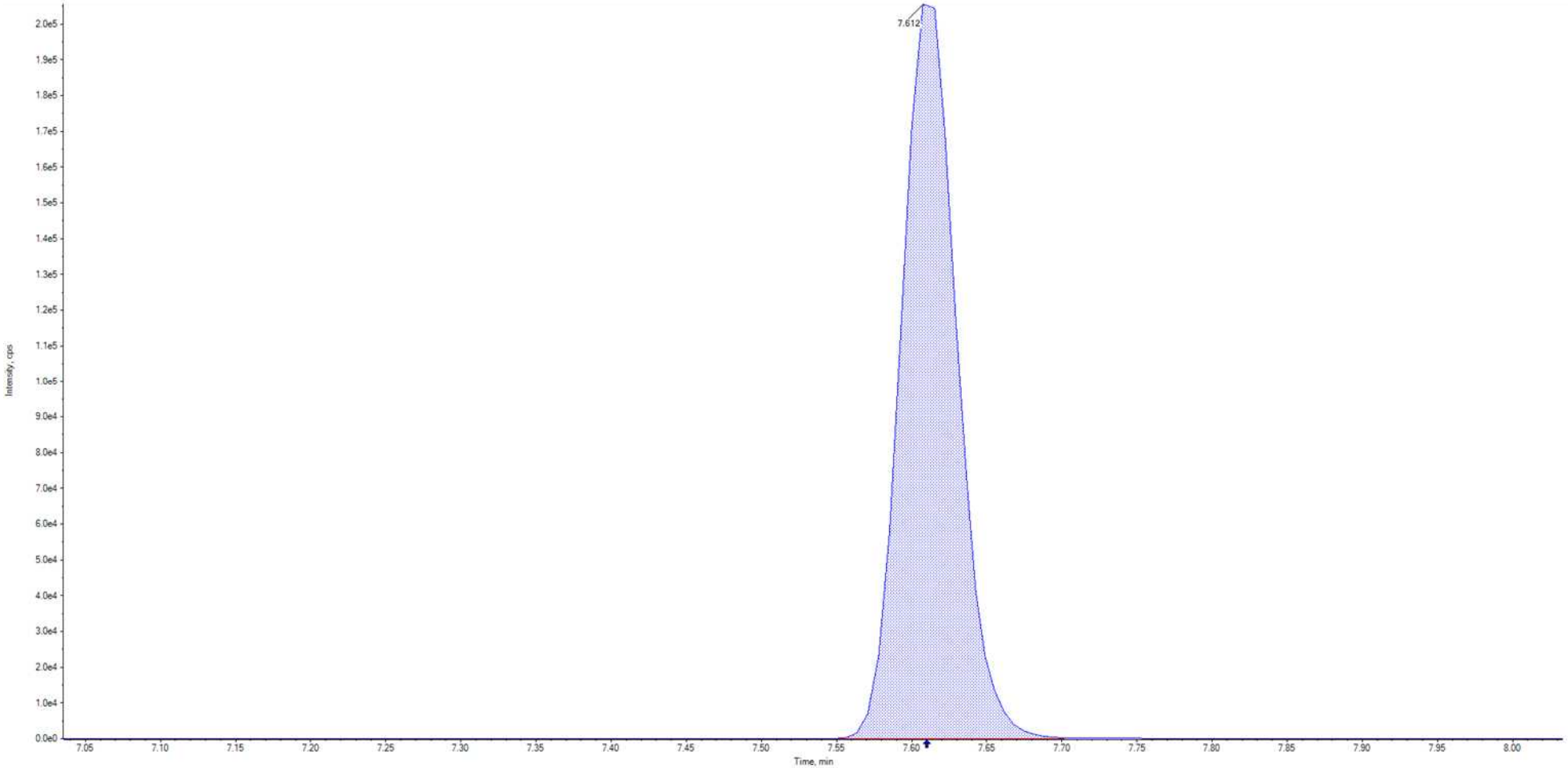
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFDA
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

18O2-PFHxS
Sample: WG1958909-5,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
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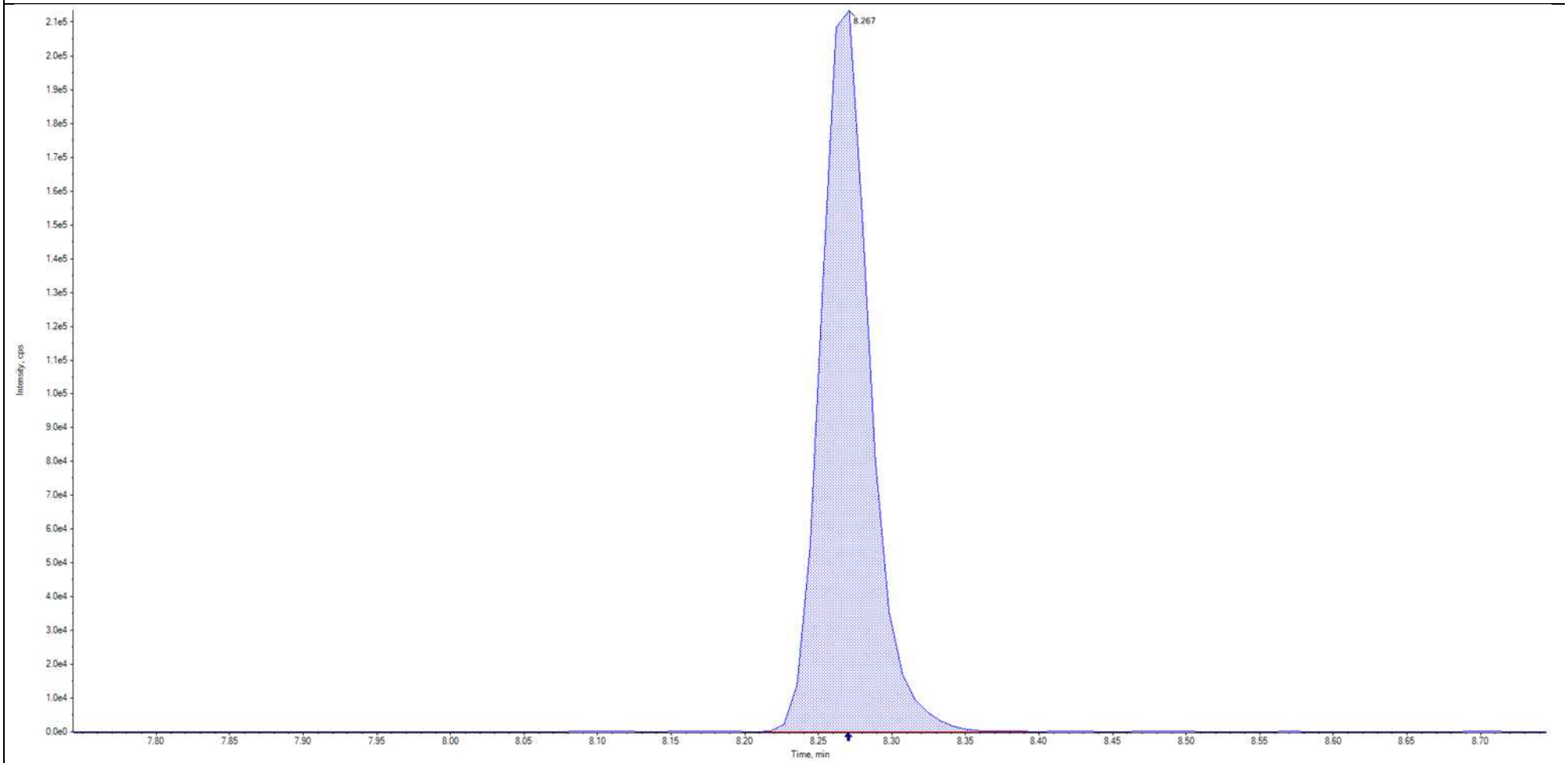
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: WG1958909-5,BSICS



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 10:29:12 AM
Generated: 8/14/2024 9:40:32 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1958909-4,TRS
Name: SCI05_240813_83.wiff
Date & Time: 2024-08-14T00:23:18
Description: WG1958909
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	4243897	M5	13.885	0.561	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	2379191	M7	14.207	0.561	0.586	Pass	N/A
10	PFNA	375-95-1	7.95	462.8 / 418.9	6089110	M5	16.017	0.302	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.95	462.8 / 218.9	1841643	M7	15.852	0.302	0.313	Pass	N/A
44	PFOSA	754-91-6	9.55	498.1 / 78.1	3770193	M5	15.172	0.025	0.025	Pass	N/A
45	PFOSA_2	754-91-6	9.55	498.1 / 478.0	93144	M7	14.286	0.025	0.025	Pass	N/A
46	NMeFOSA	31506-32-8	10.17	512.2 / 219.0	857015	M5	12.515	1.482	1.551	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
47	NMeFOSA_2	31506-32-8	10.13	512.2 / 169.0	1270260	M7	11.971	1.482	1.551	Pass	N/A
48	NEtFOSA	4151-50-2	10.38	526.2 / 219.0	855834	M5	12.796	1.315	1.285	Pass	N/A
49	NEtFOSA_2	4151-50-2	10.34	526.2 / 169.0	1125480	M7	12.571	1.315	1.285	Pass	N/A
54	NMeFOSE	24448-09-7	10.08	616.1 / 58.9	1716403	M5	15.488	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	10.28	630.0 / 58.9	3015822	M5	14.450	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	2.89	217.0 / 172.0	2473265		9.854	NA	NA	NA	98.5
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1561160		5.006	NA	NA	NA	100.1
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	958278		2.340	NA	NA	NA	93.6
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	994170		2.424	NA	NA	NA	97.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1468648		2.632	NA	NA	NA	105.3
	13C9-PFNA	EIS	7.94	472.0 / 427.0	649183		1.205	NA	NA	NA	96.4
	13C6-PFDA	EIS	8.17	519.0 / 474.0	677177		1.288	NA	NA	NA	103.1
	13C7-PFUnA	EIS	8.47	570.0 / 525.0	563590		1.325	NA	NA	NA	106.0
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	340864		1.232	NA	NA	NA	98.6
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	371241		1.236	NA	NA	NA	98.9
	13C3-PFBS	EIS	5.31	302.1 / 80.1	709845		2.139	NA	NA	NA	91.8
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	634410		2.407	NA	NA	NA	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOS	EIS	8.27	507.1 / 80.1	661873		2.353	NA	NA	NA	98.3
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	289614		4.890	NA	NA	NA	104.3
	13C2-6:2FTS	EIS	7.09	429.2 / 81.1	197203		4.543	NA	NA	NA	95.6
	13C2-8:2FTS	EIS	8.07	529.2 / 81.1	299092		4.708	NA	NA	NA	98.1
	13C8-PFOSA	EIS	9.54	506.1 / 78.1	929502		2.486	NA	NA	NA	99.4
	d3-NMeFOSA	EIS	10.16	515.2 / 219.0	159881		2.540	NA	NA	NA	101.6
	d5-NEtFOSA	EIS	10.37	531.2 / 219.0	152252		2.476	NA	NA	NA	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	347283		2.441	NA	NA	NA	48.8
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	375431		5.021	NA	NA	NA	100.4
	d7-NMeFOSE	EIS	10.07	623.2 / 58.9	1123032		23.105	NA	NA	NA	92.4
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1777891		24.809	NA	NA	NA	99.2
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2730343		10.058	NA	NA	NA	100.6
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1097957		5.135	NA	NA	NA	102.7
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1216174		2.484	NA	NA	NA	99.4
	13C4-PFOA	NIS	7.50	417.0 / 372.0	730115		2.332	NA	NA	NA	93.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFNA	NIS	7.94	468.0 / 423.0	656416		1.198	NA	NA	NA	95.9
	13C2-PFDA	NIS	8.17	515.1 / 470.1	617433		1.205	NA	NA	NA	96.4
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	535768		2.287	NA	NA	NA	96.5
	13C4-PFOS	NIS	8.27	503.1 / 80.1	497485		2.363	NA	NA	NA	98.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOA
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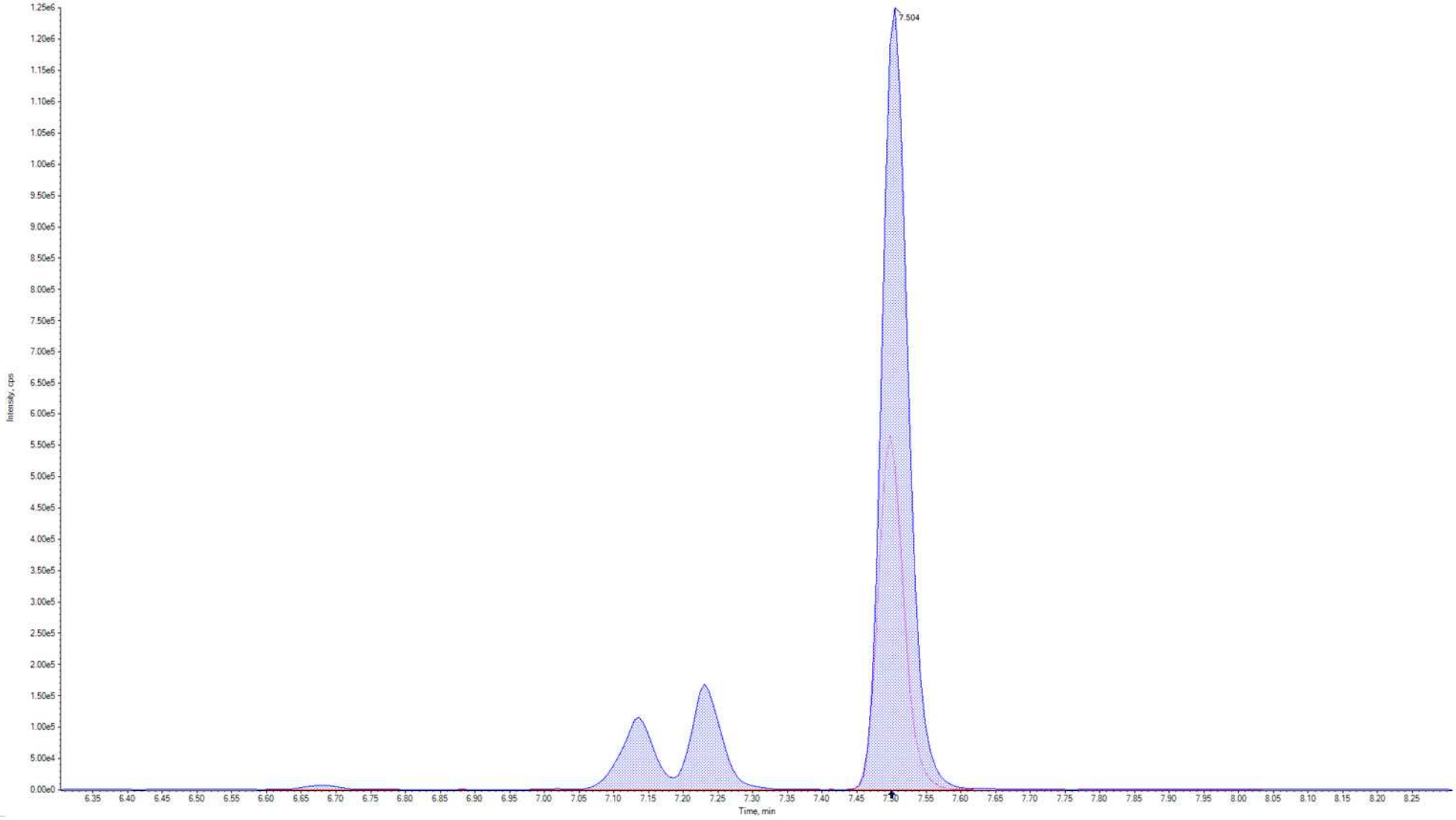
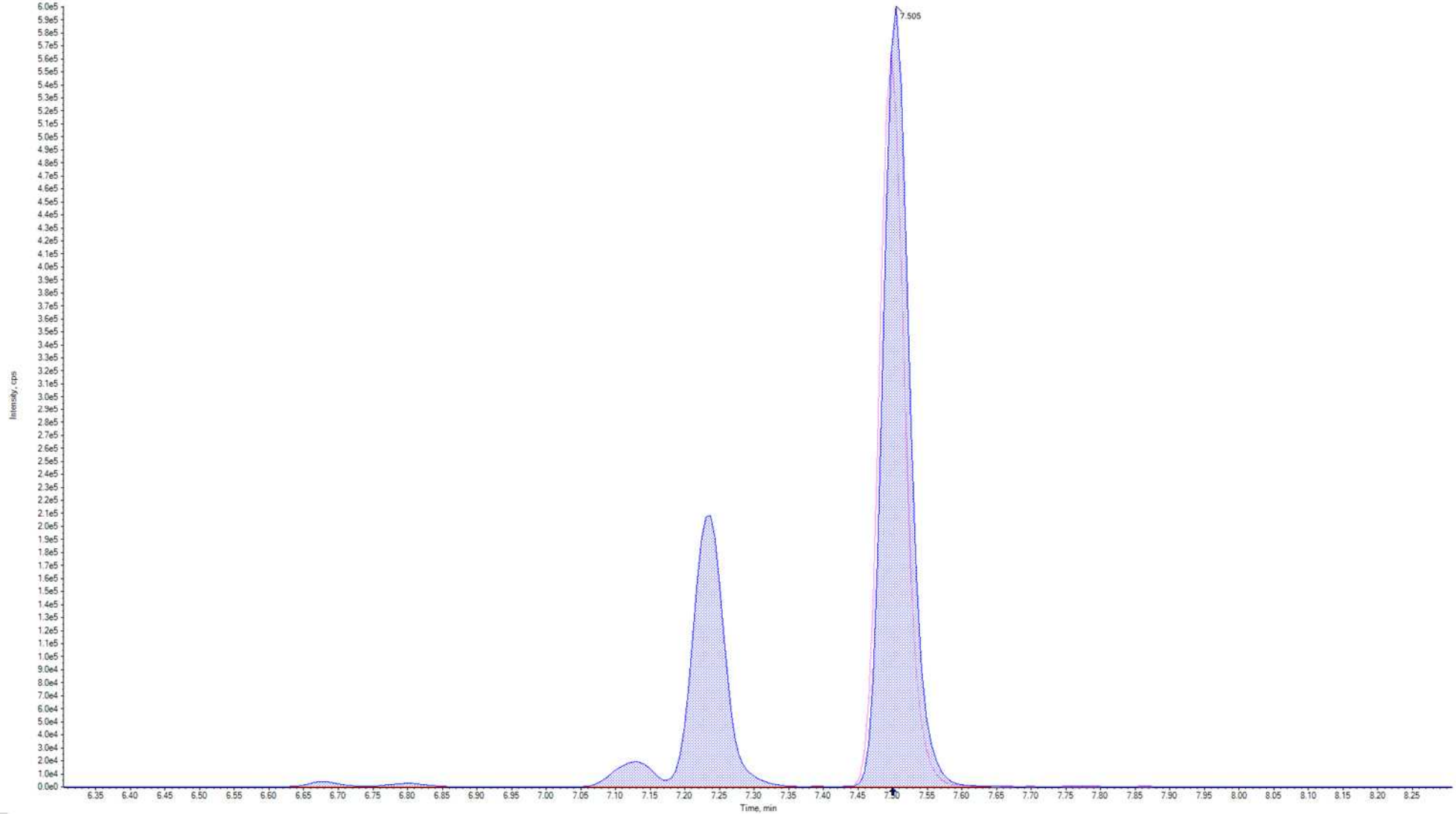


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOA_2
Sample: WG1958909-4,TRS S/N:76317.2 Points Across peak:160



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNA
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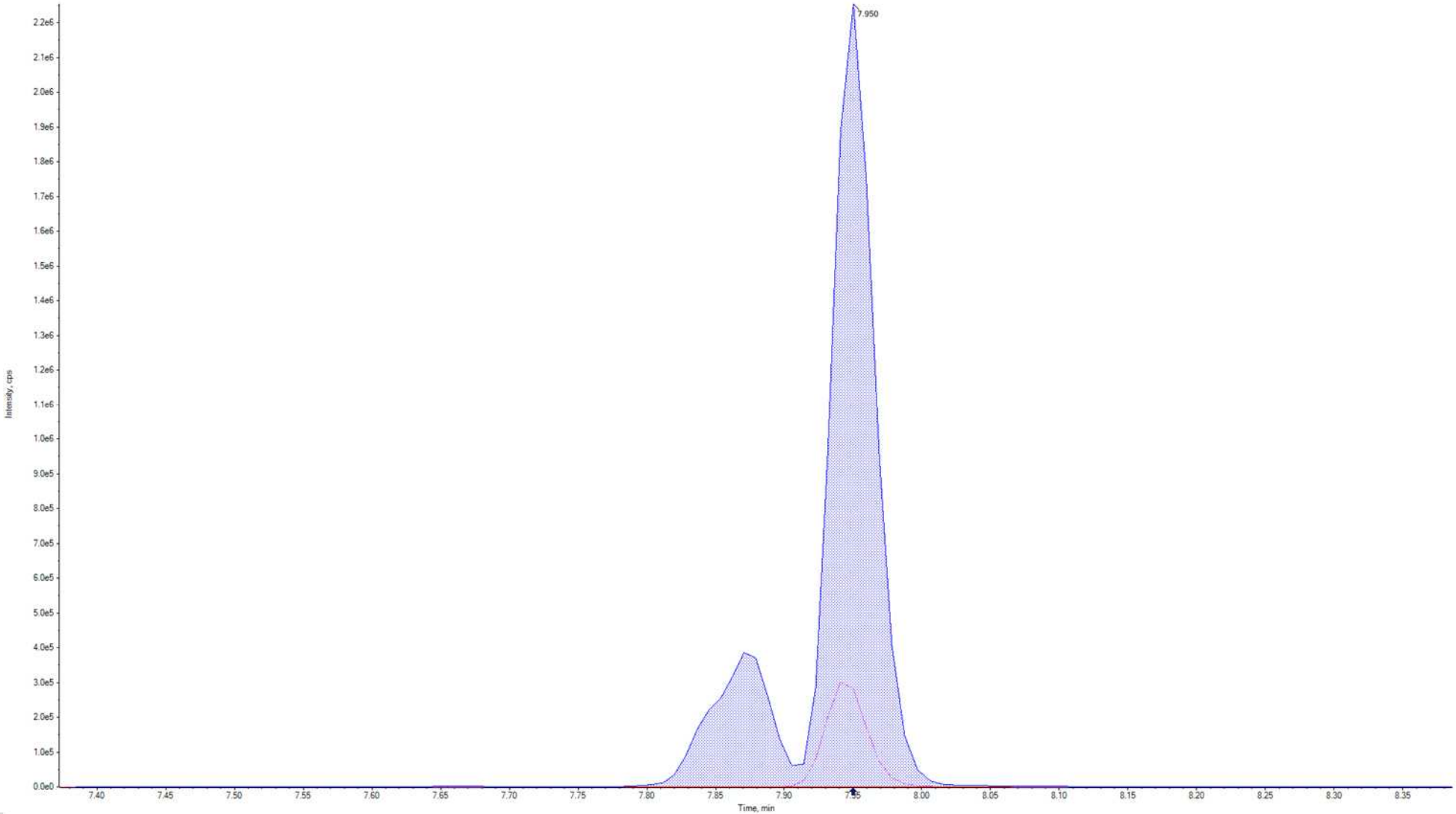
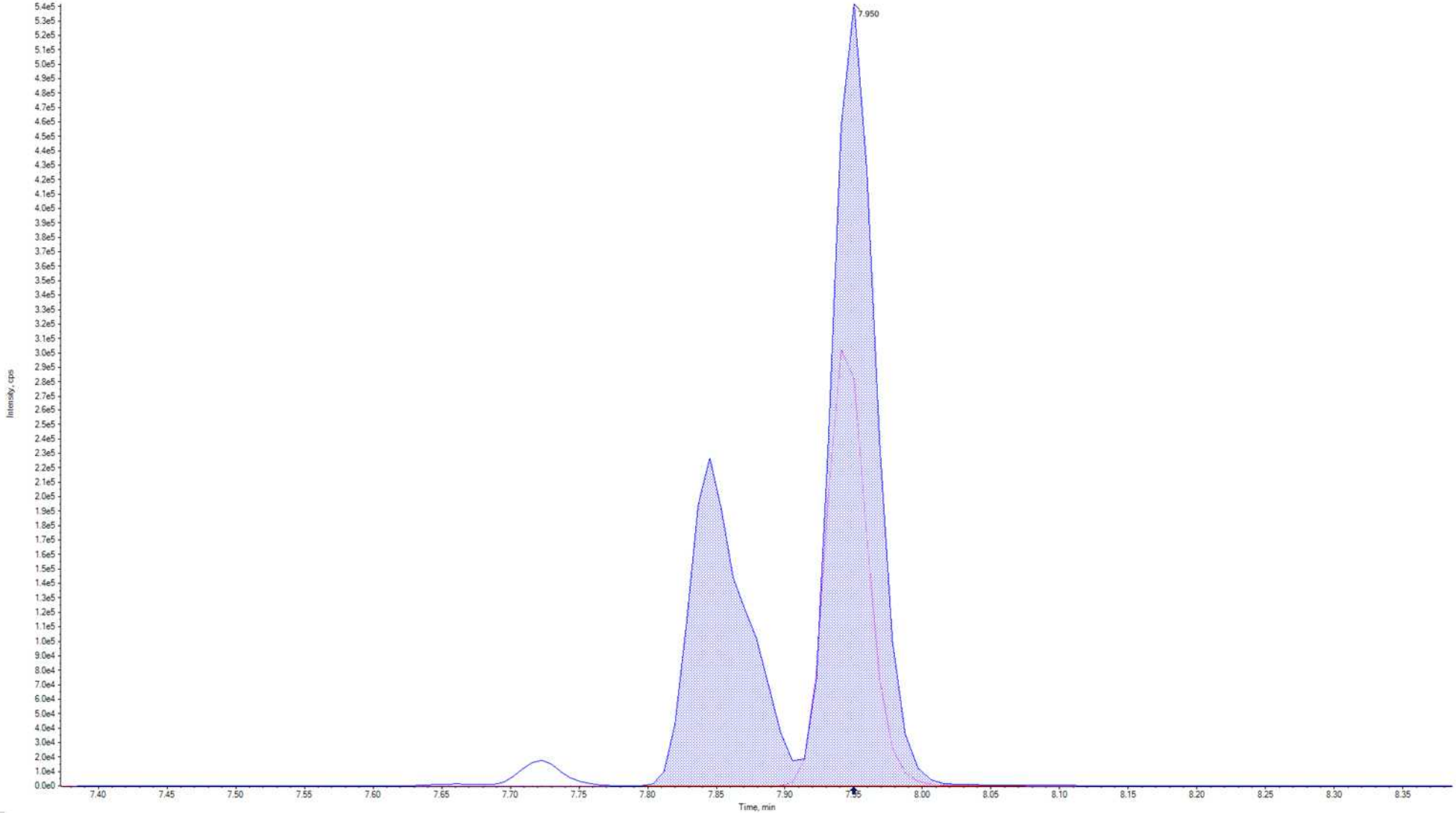


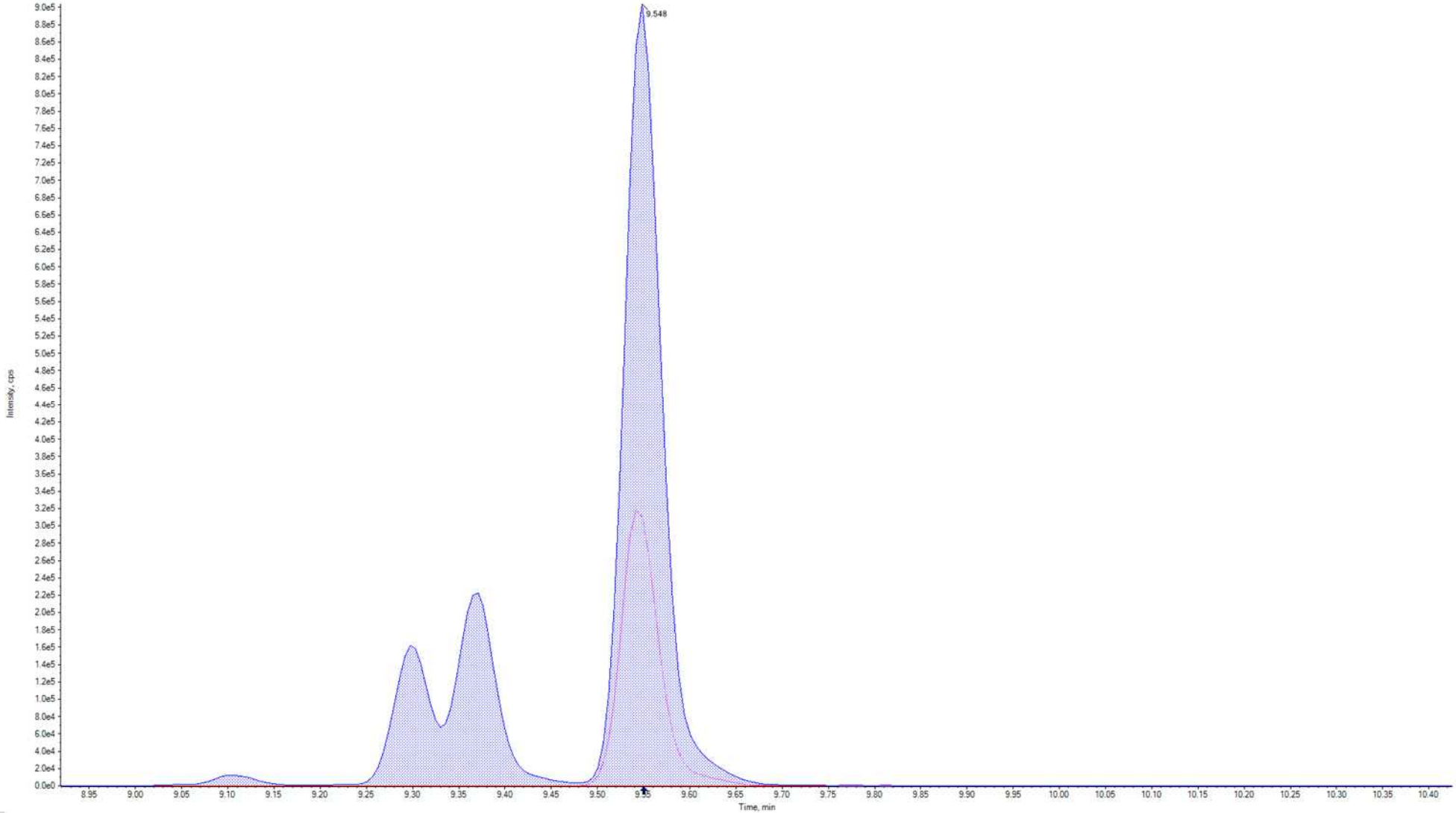
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNA_2
Sample: WG1958909-4,TRS S/N:1284.2 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA
Sample: WG1958909-4,TRS S/N:12828.6 Points Across peak:130



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA_2
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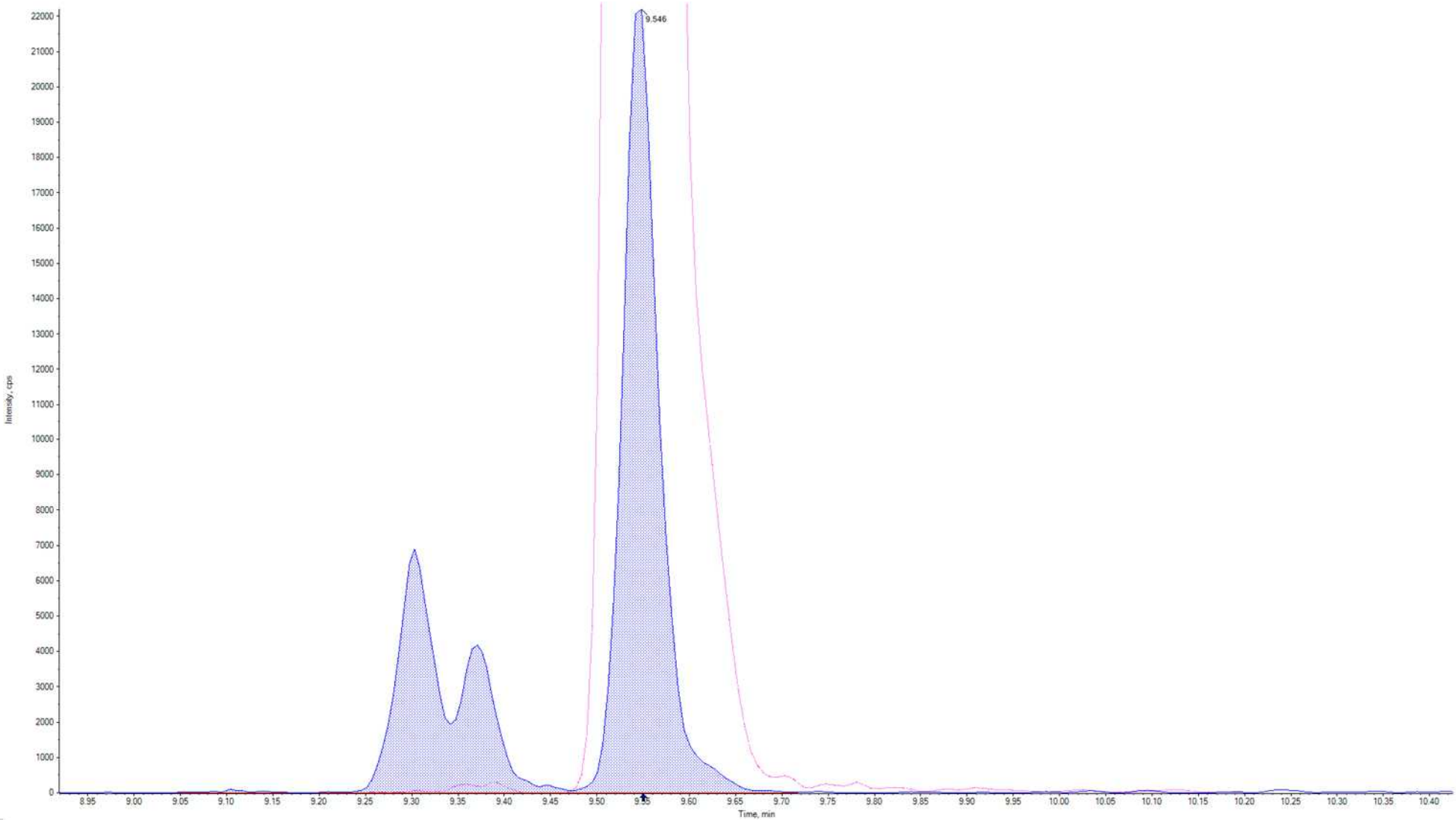

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Alpha Analytical Inc.
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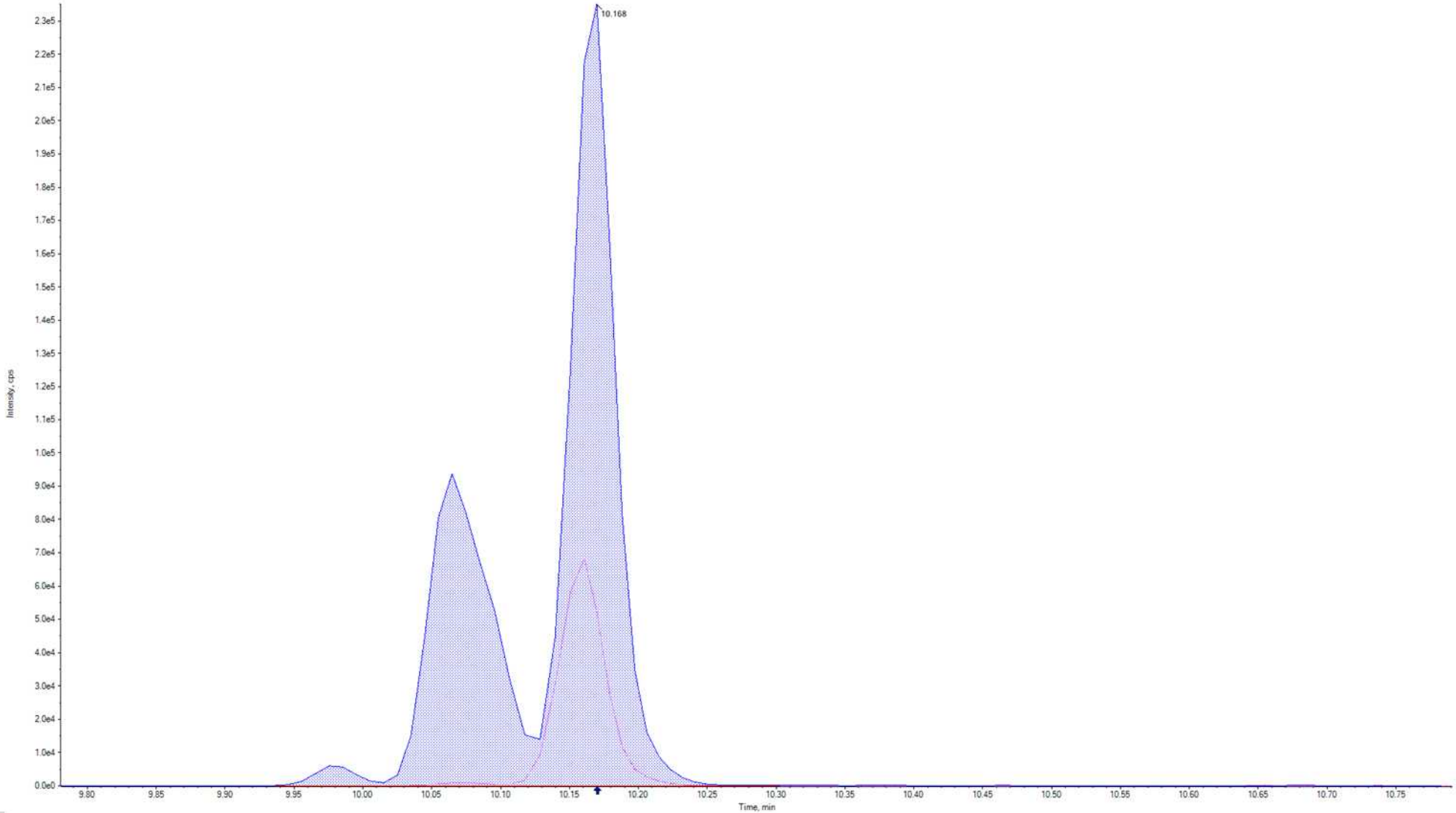
NMeFOSA
Sample: WG1958909-4,TRS S/N:25795.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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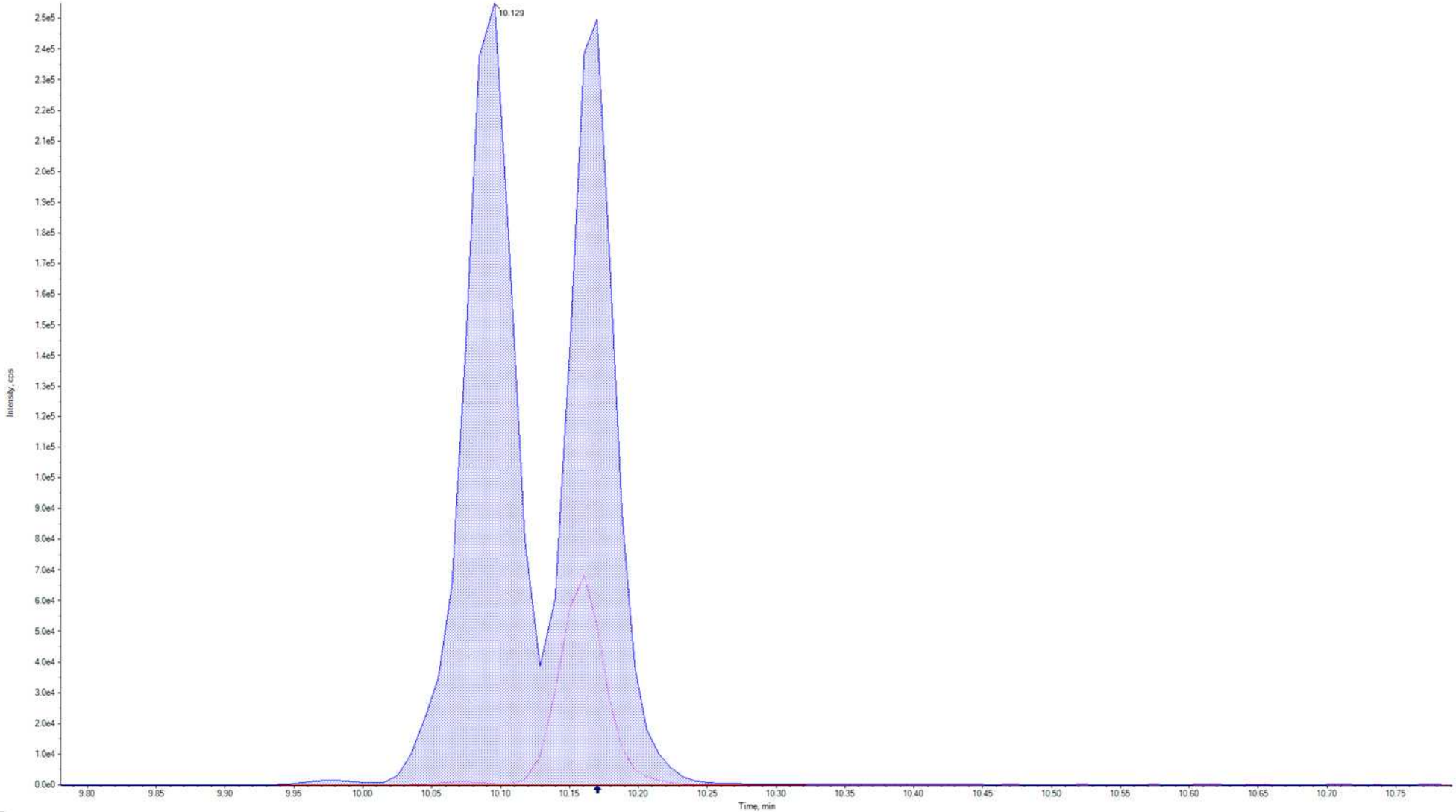
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA_2
Sample: WG1958909-4,TRS S/N:2694.7 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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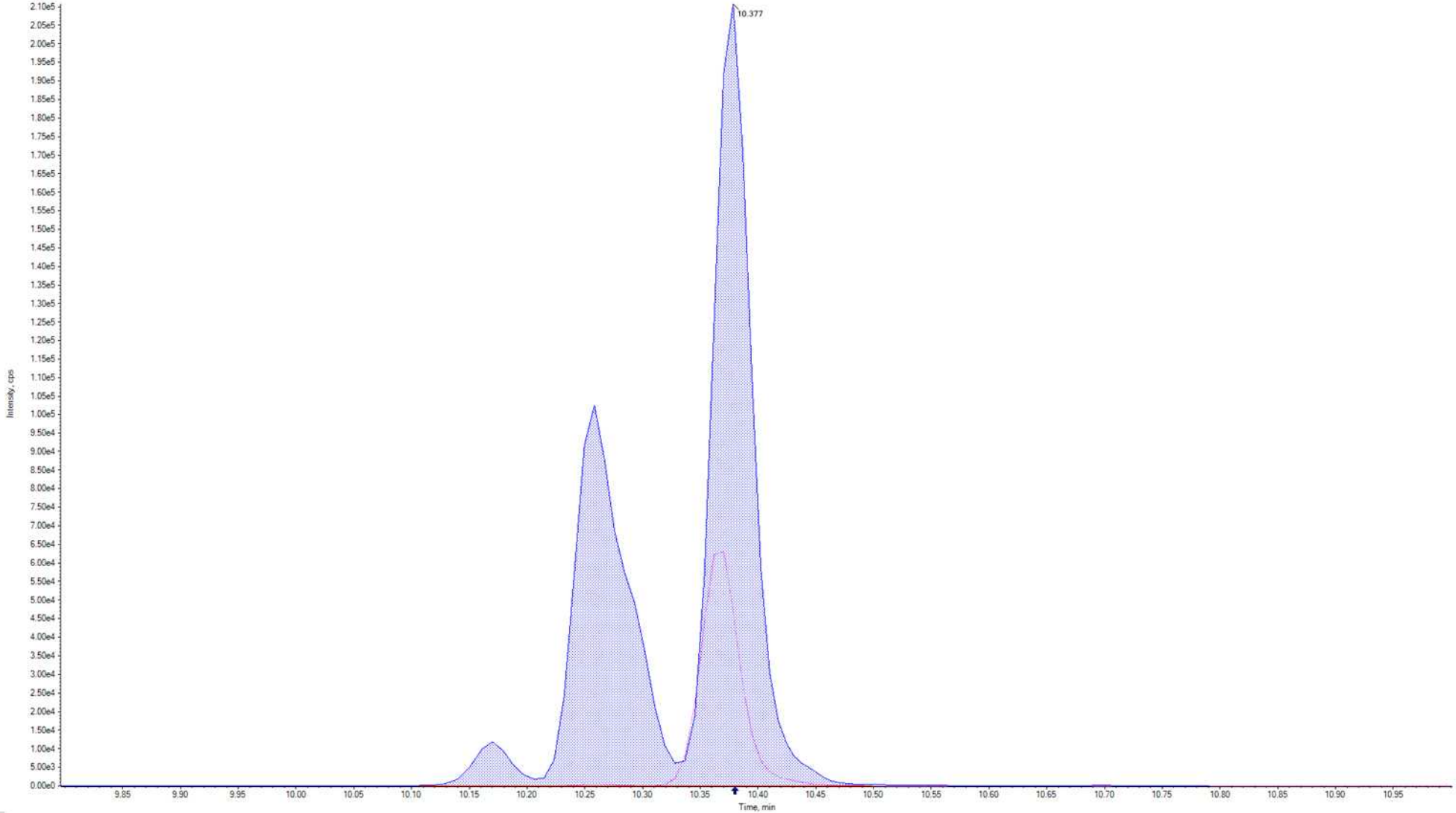
NEtFOSA
Sample: WG1958909-4,TRS S/N:1064.8 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 9:40:32 AM

NEtFOSA_2
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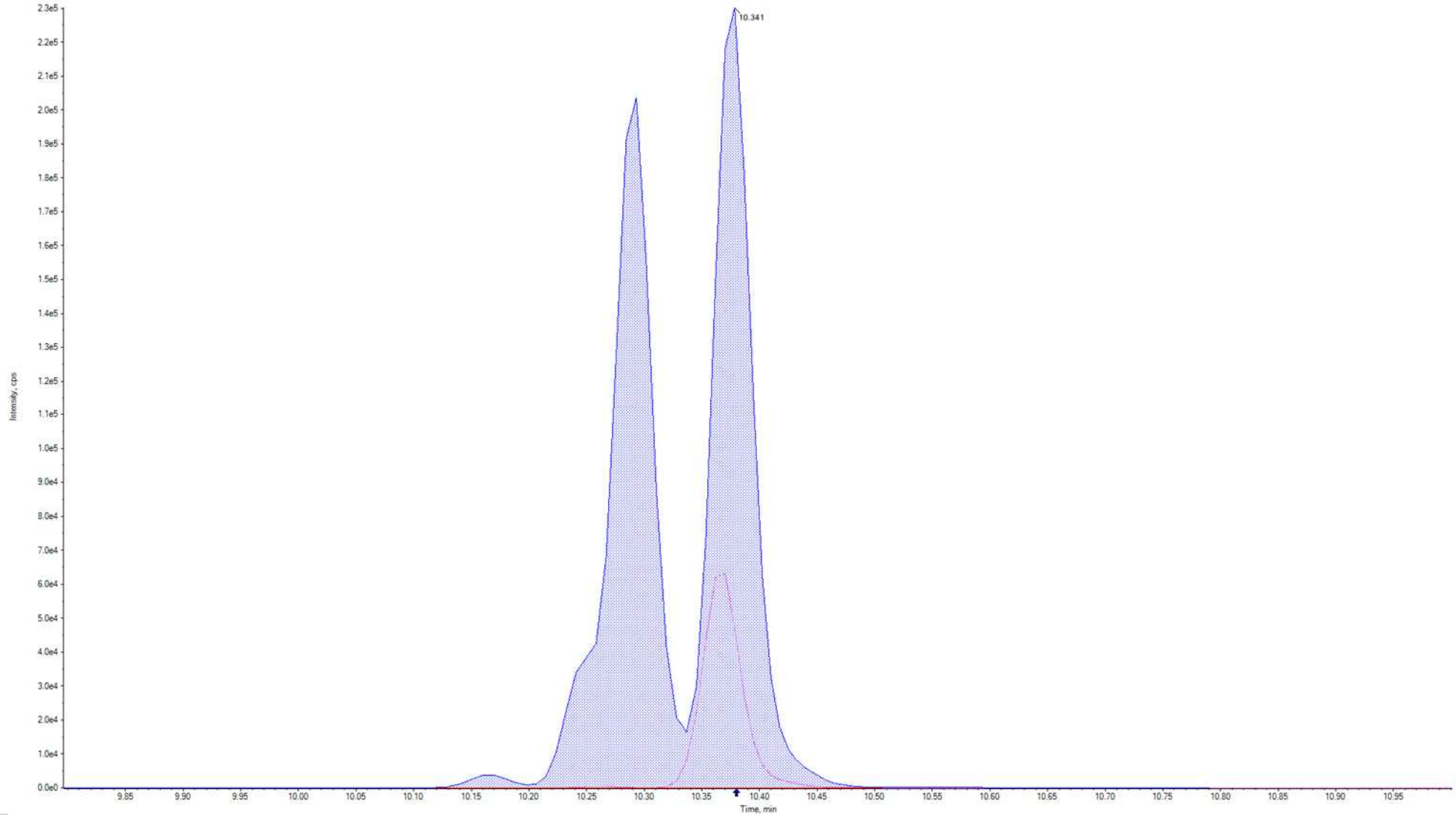

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
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NMeFOSE
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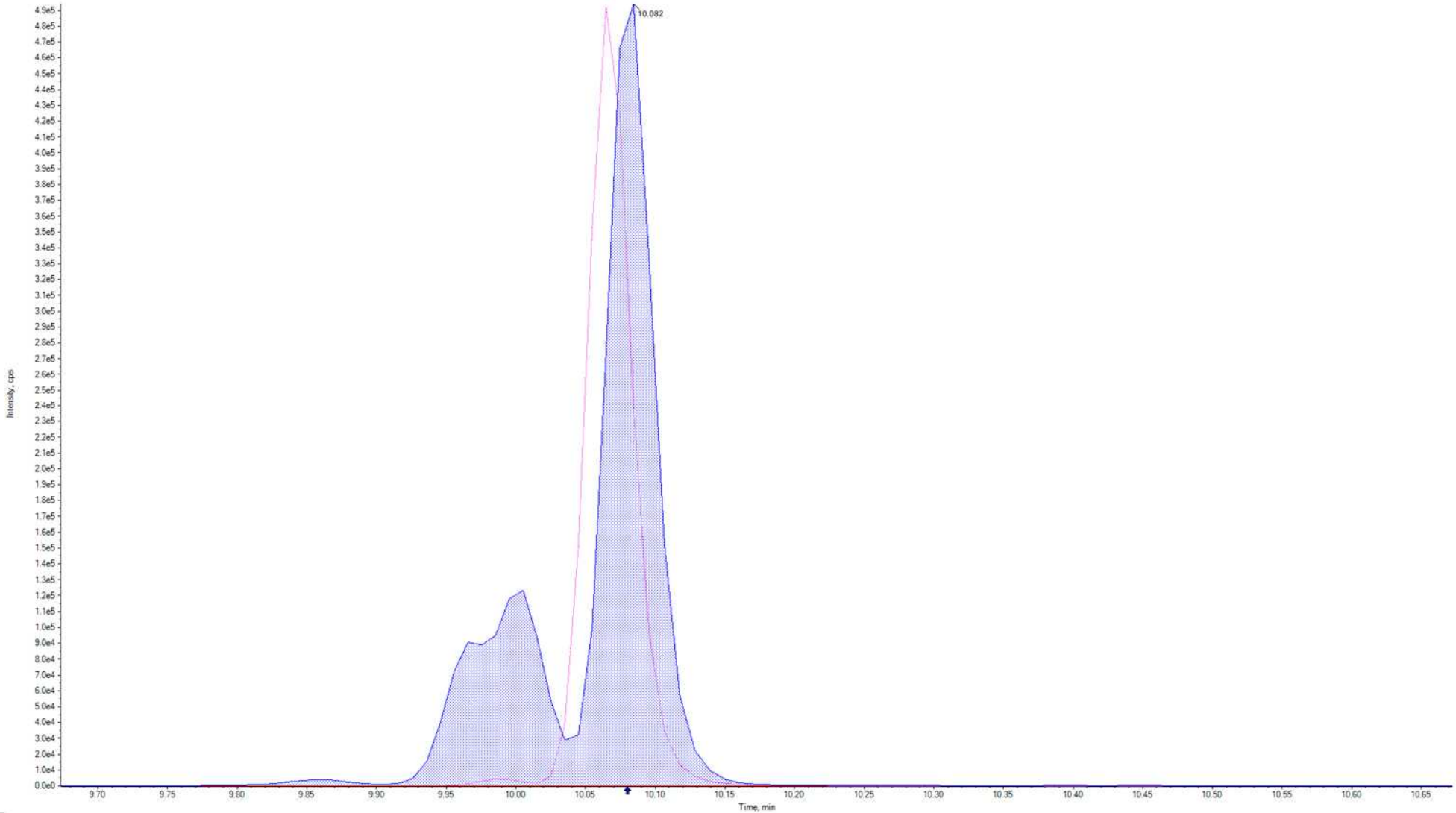

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 8/14/2024 9:55:24 AM
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NEtFOSE
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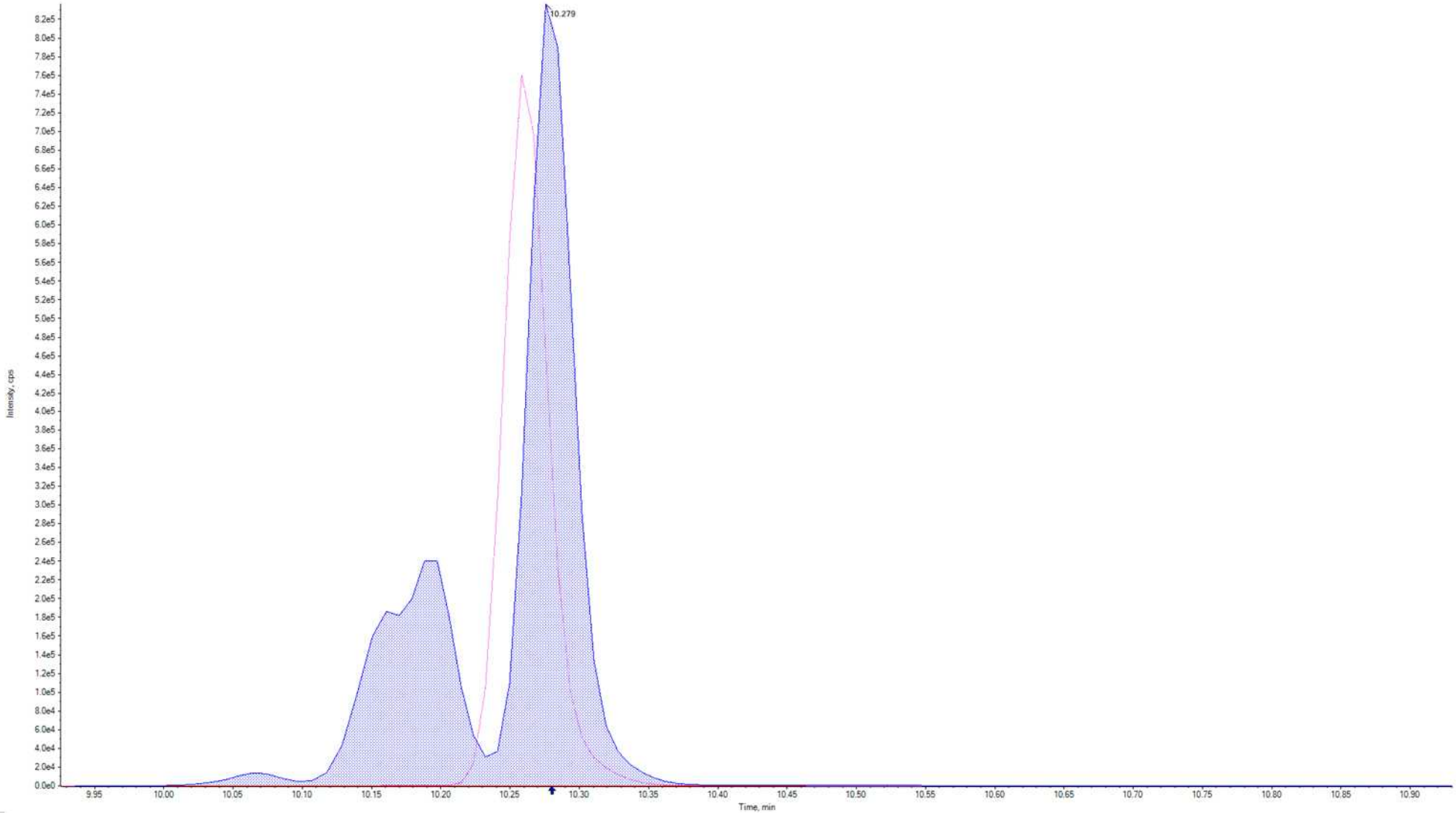
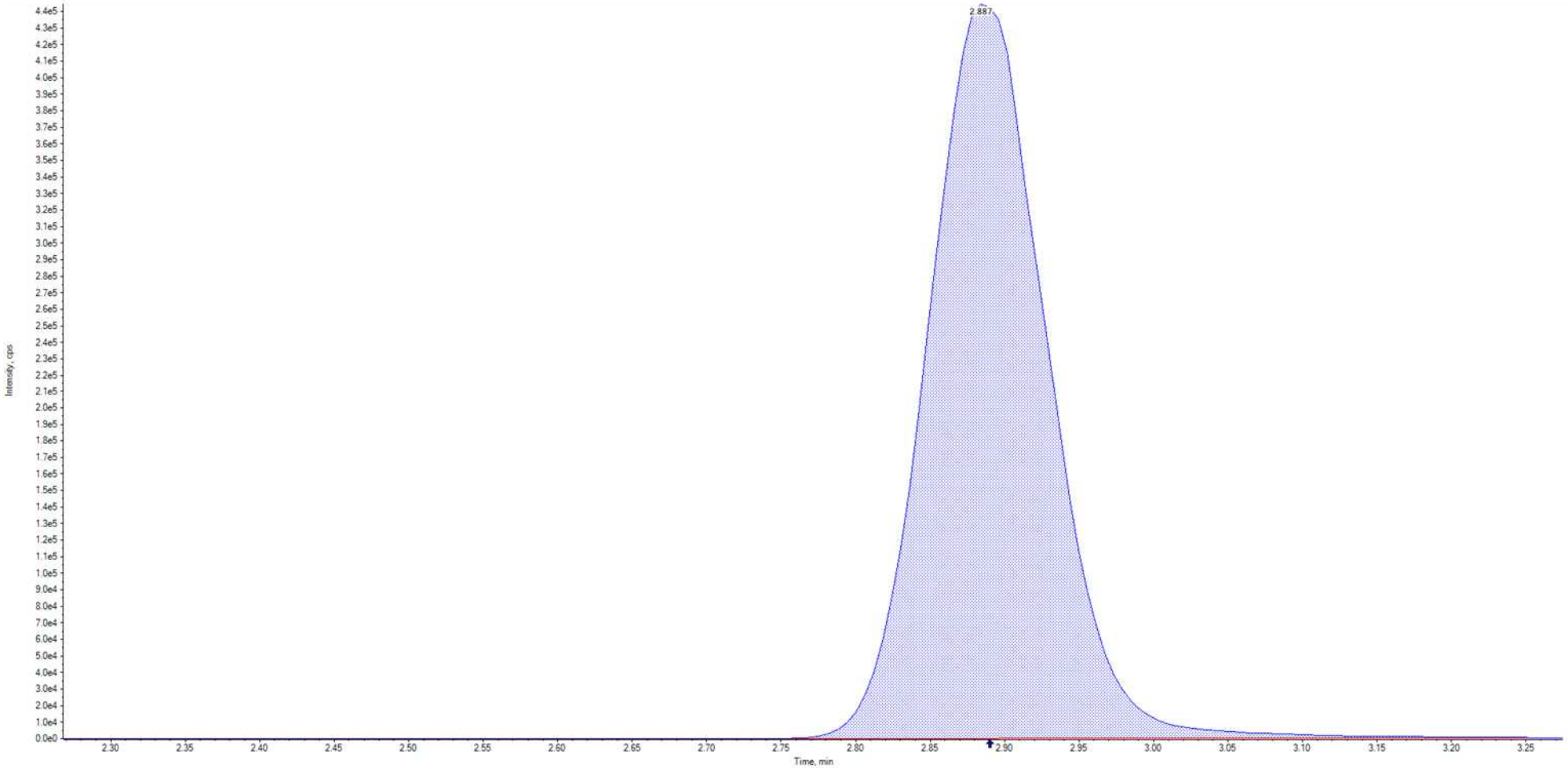
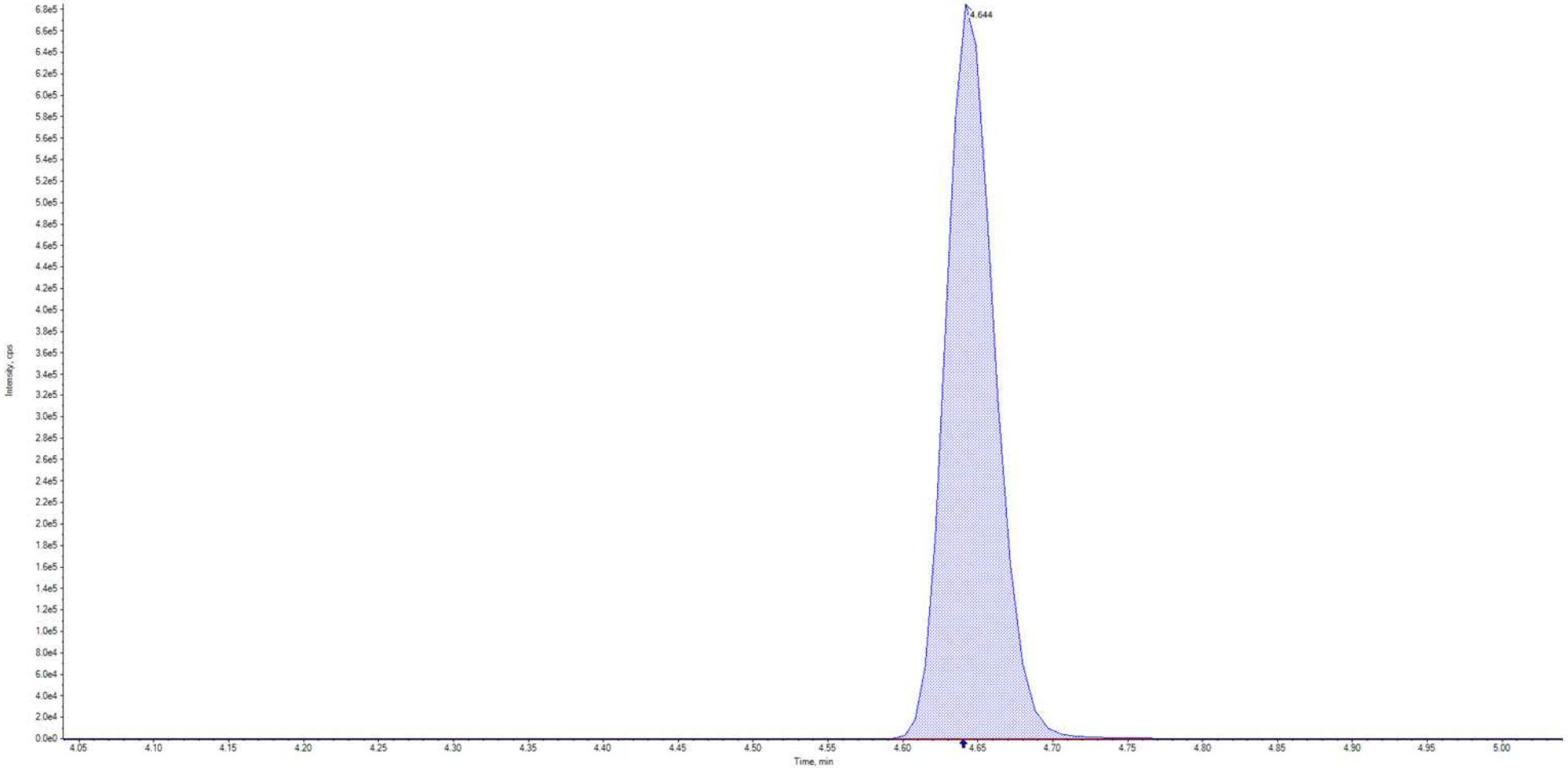


13C4-PFBA
Sample: WG1958909-4,TRS



13C5-PFPeA
Sample: WG1958909-4,TRS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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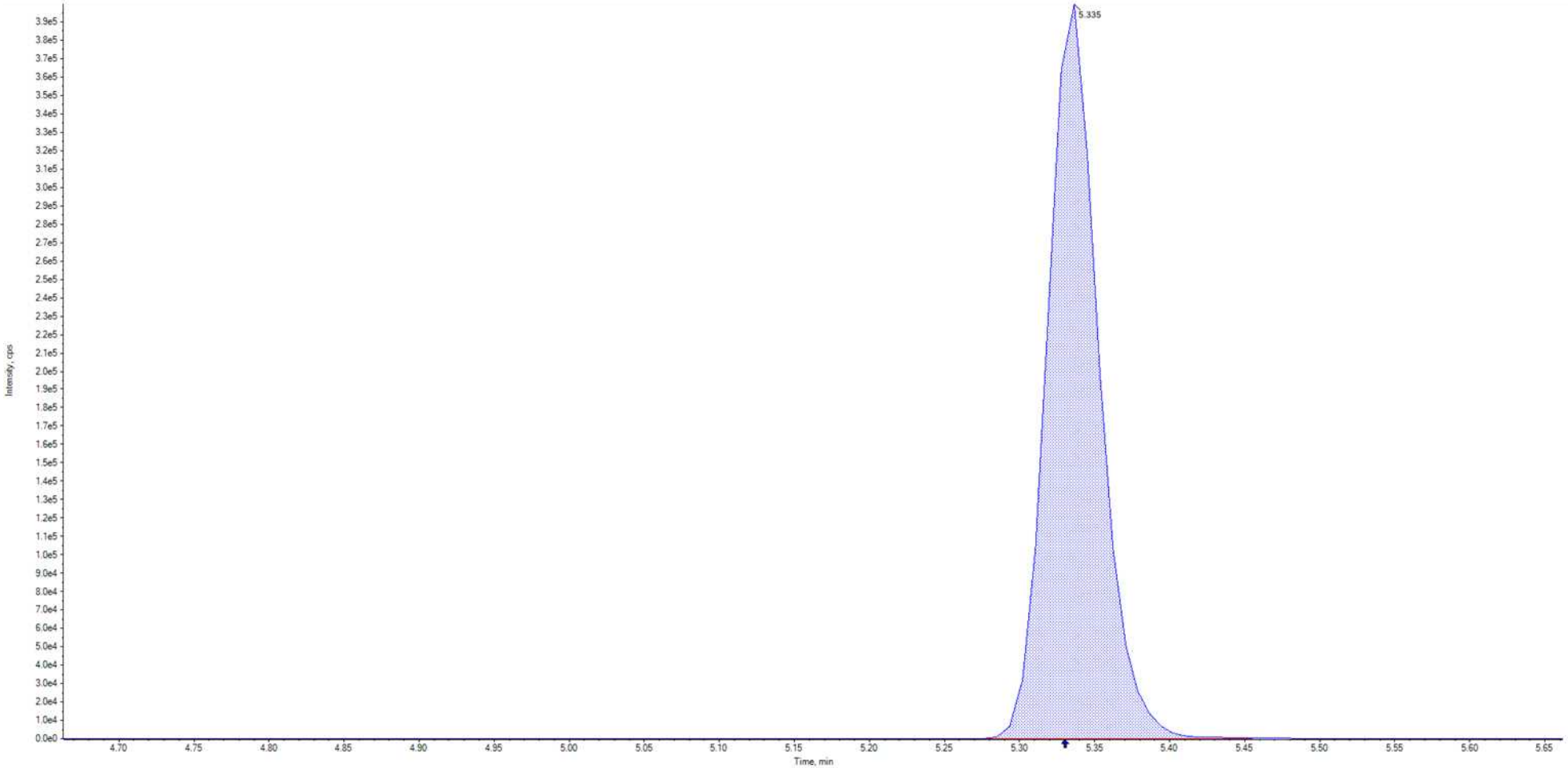
Generated: 8/14/2024 9:40:32 AM

13C5-PFHxA
Sample: WG1958909-4,TRS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C4-PFHpA
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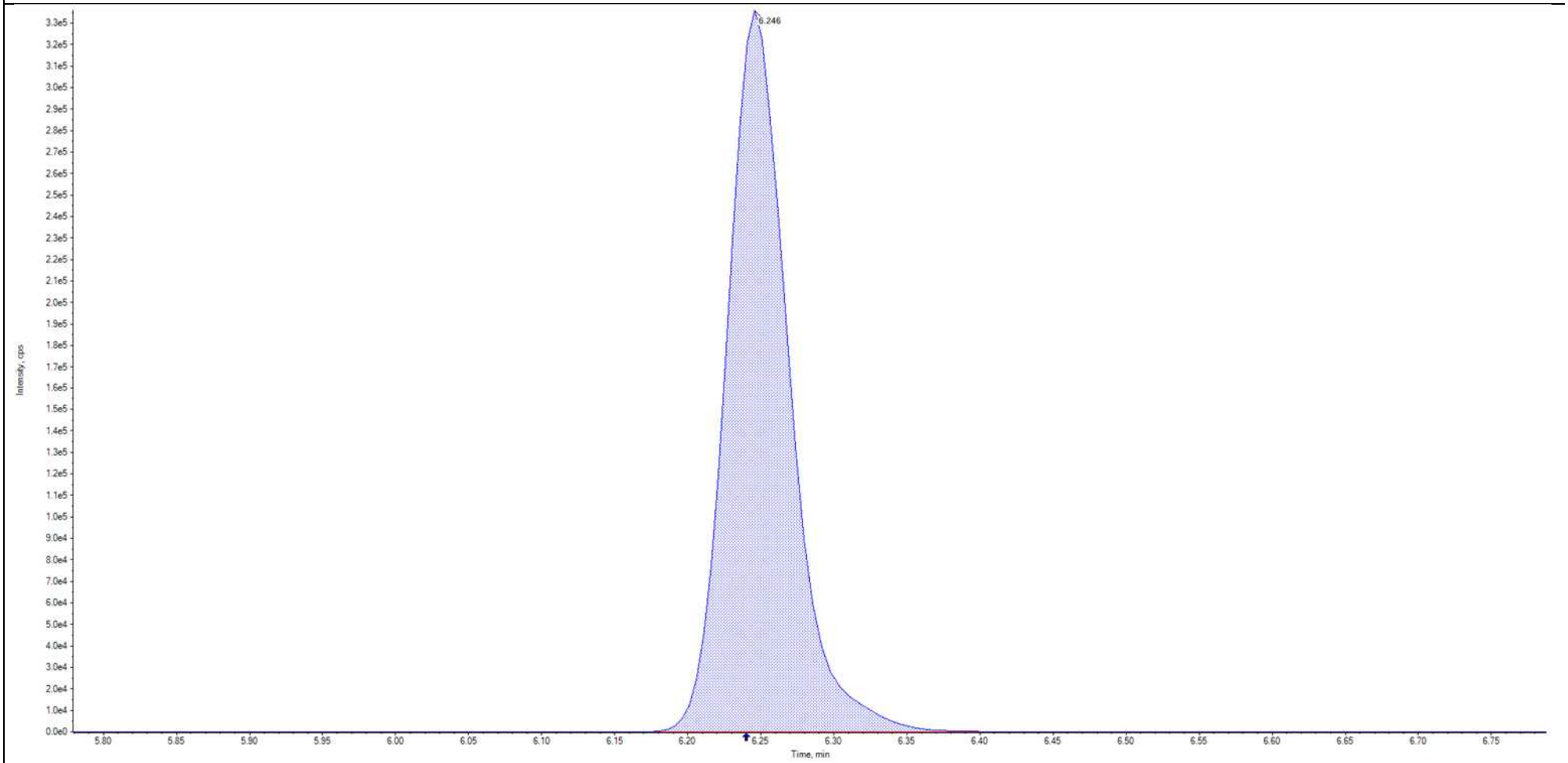

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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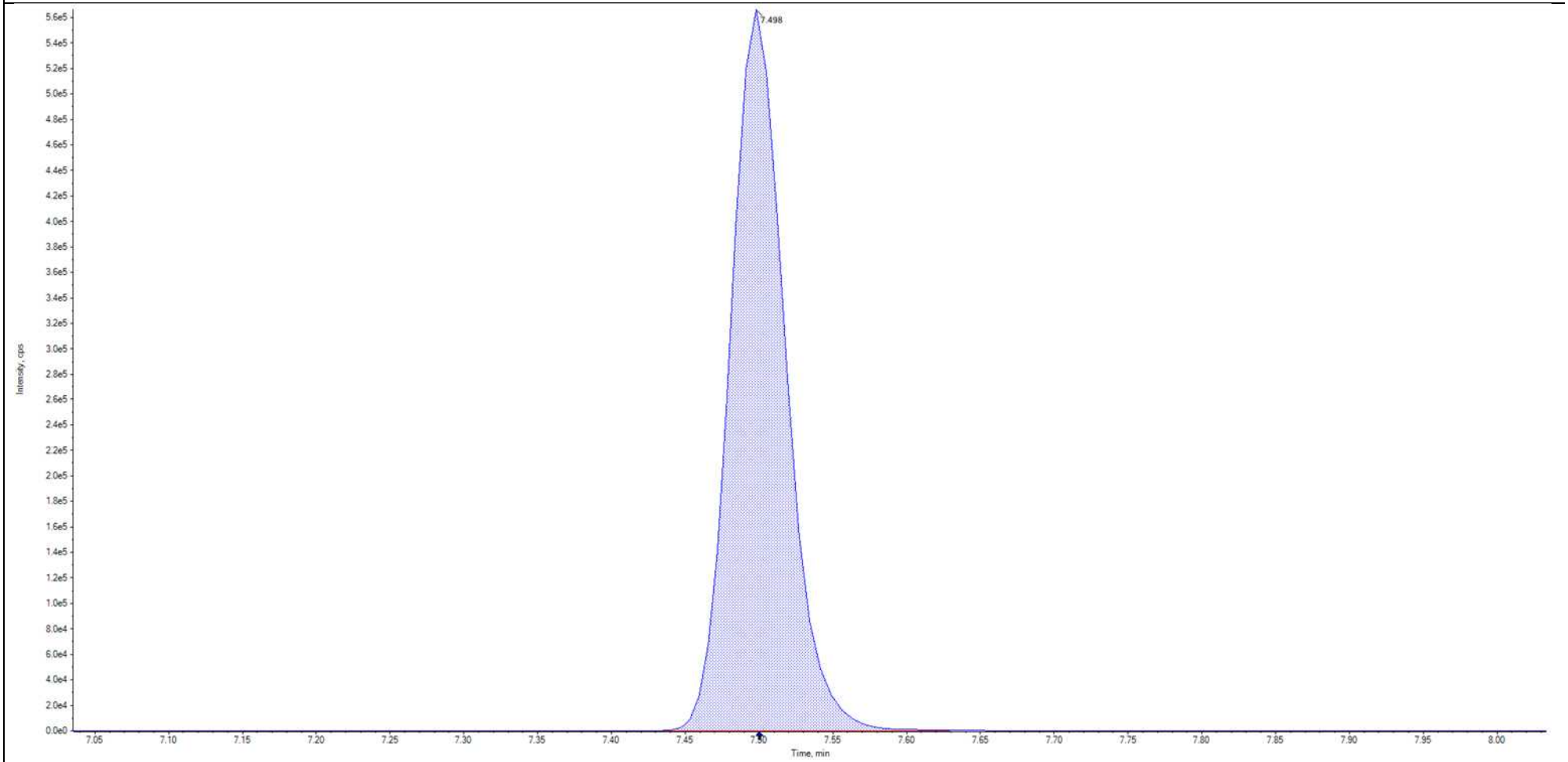
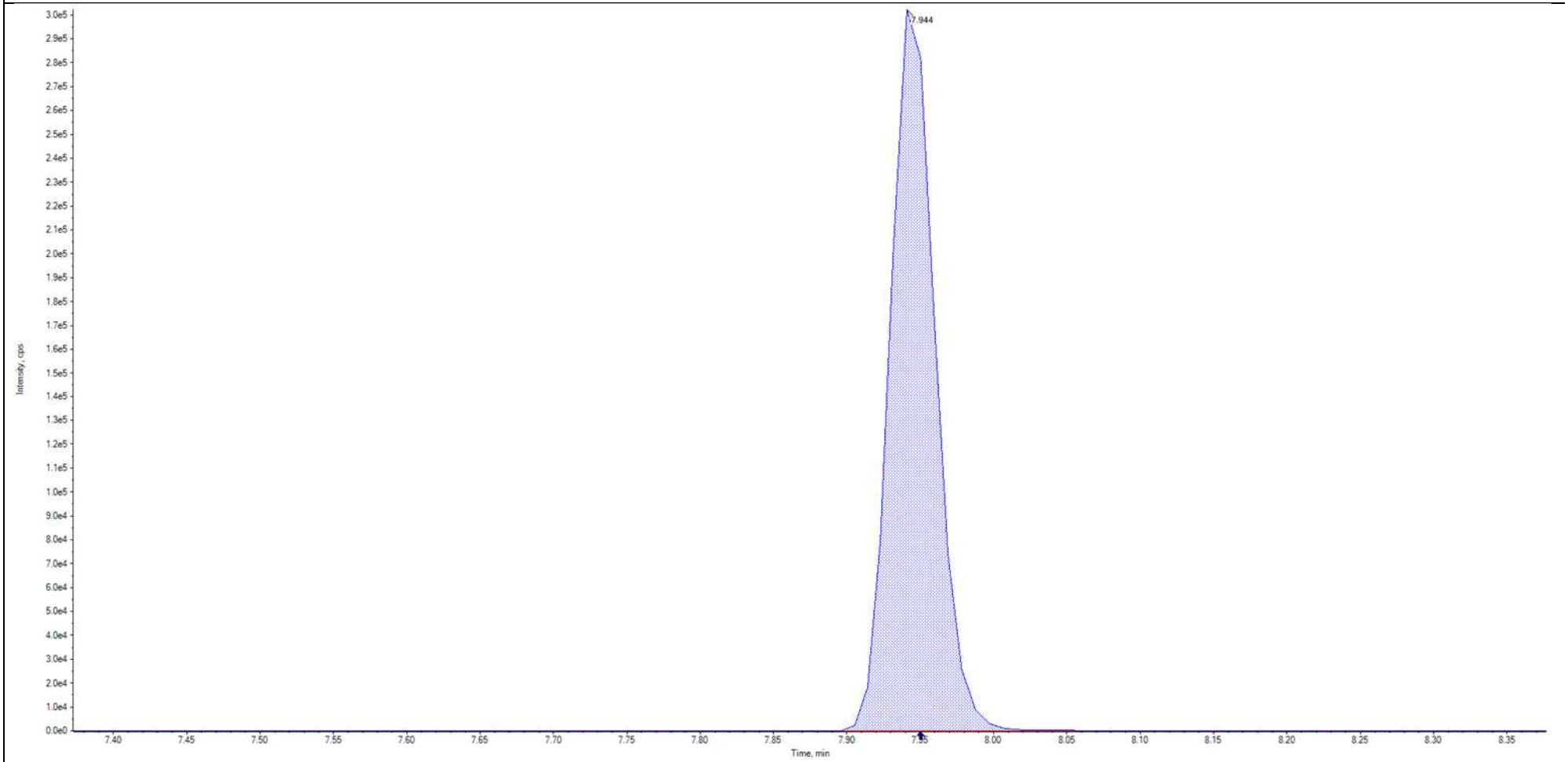
Generated: 8/14/2024 9:40:32 AM

13C8-PFOA
Sample: WG1958909-4,TRS

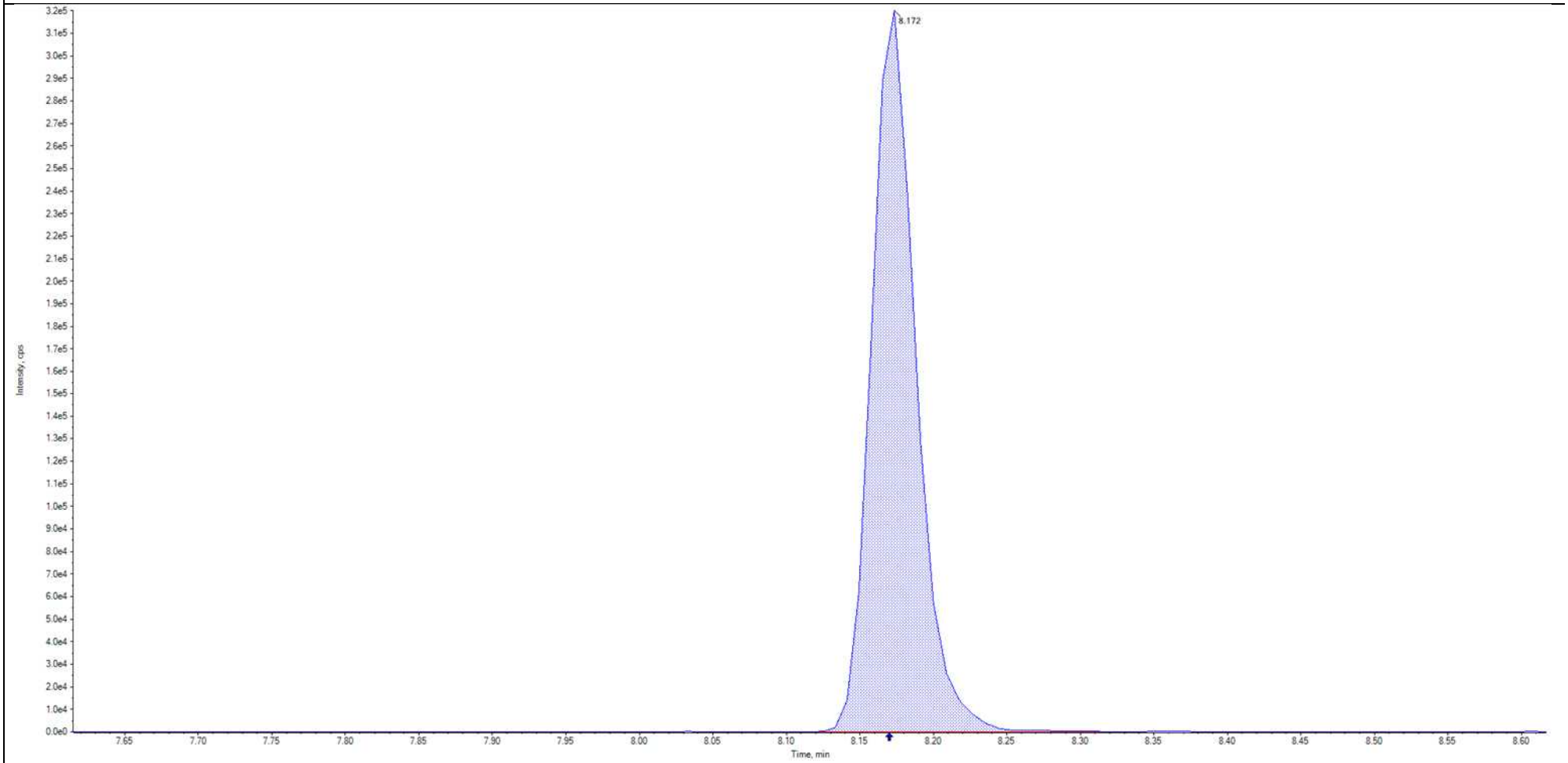


13C9-PFNA
Sample: WG1958909-4,TRS



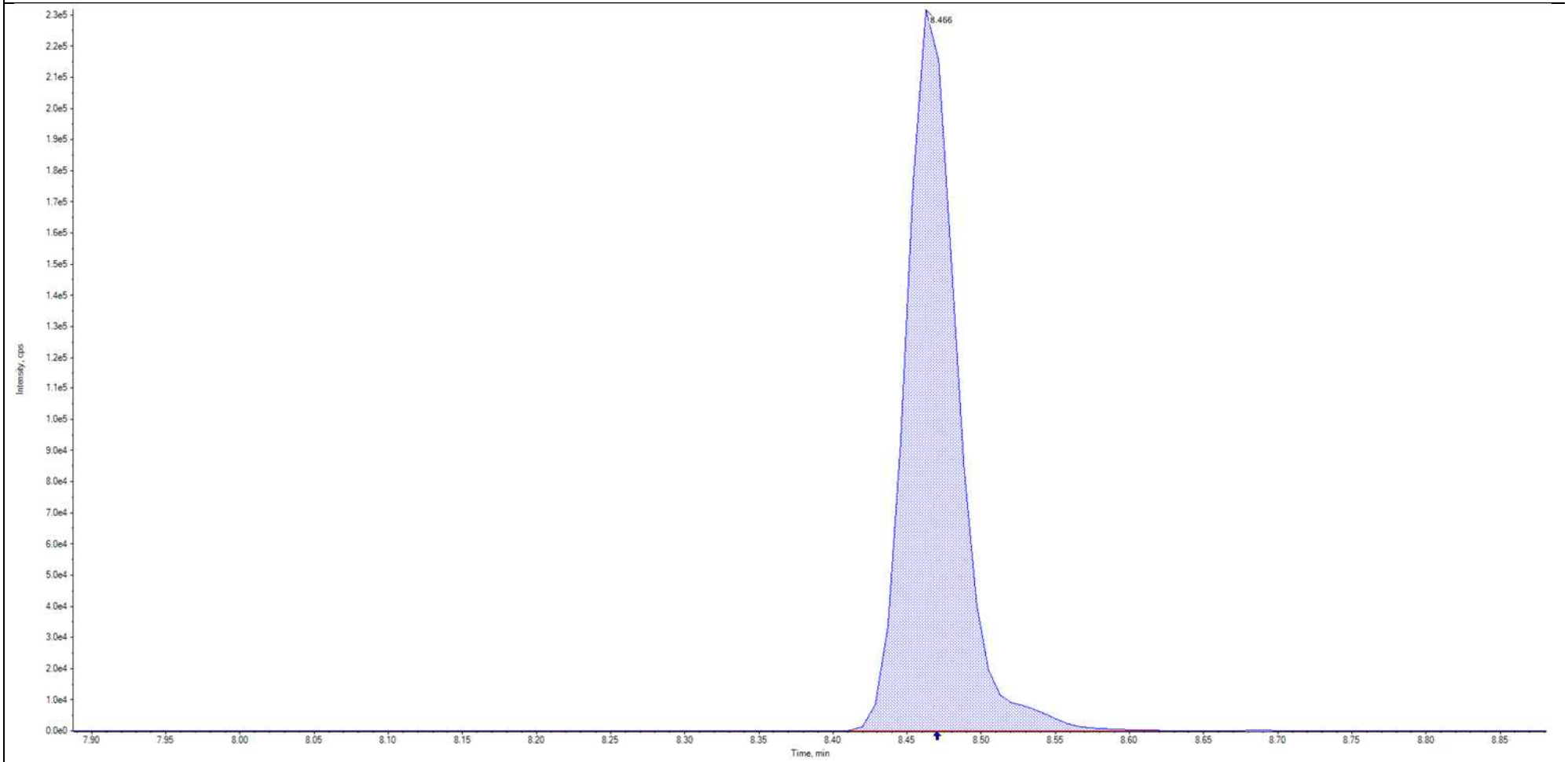
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C6-PFDA
Sample: WG1958909-4,TRS



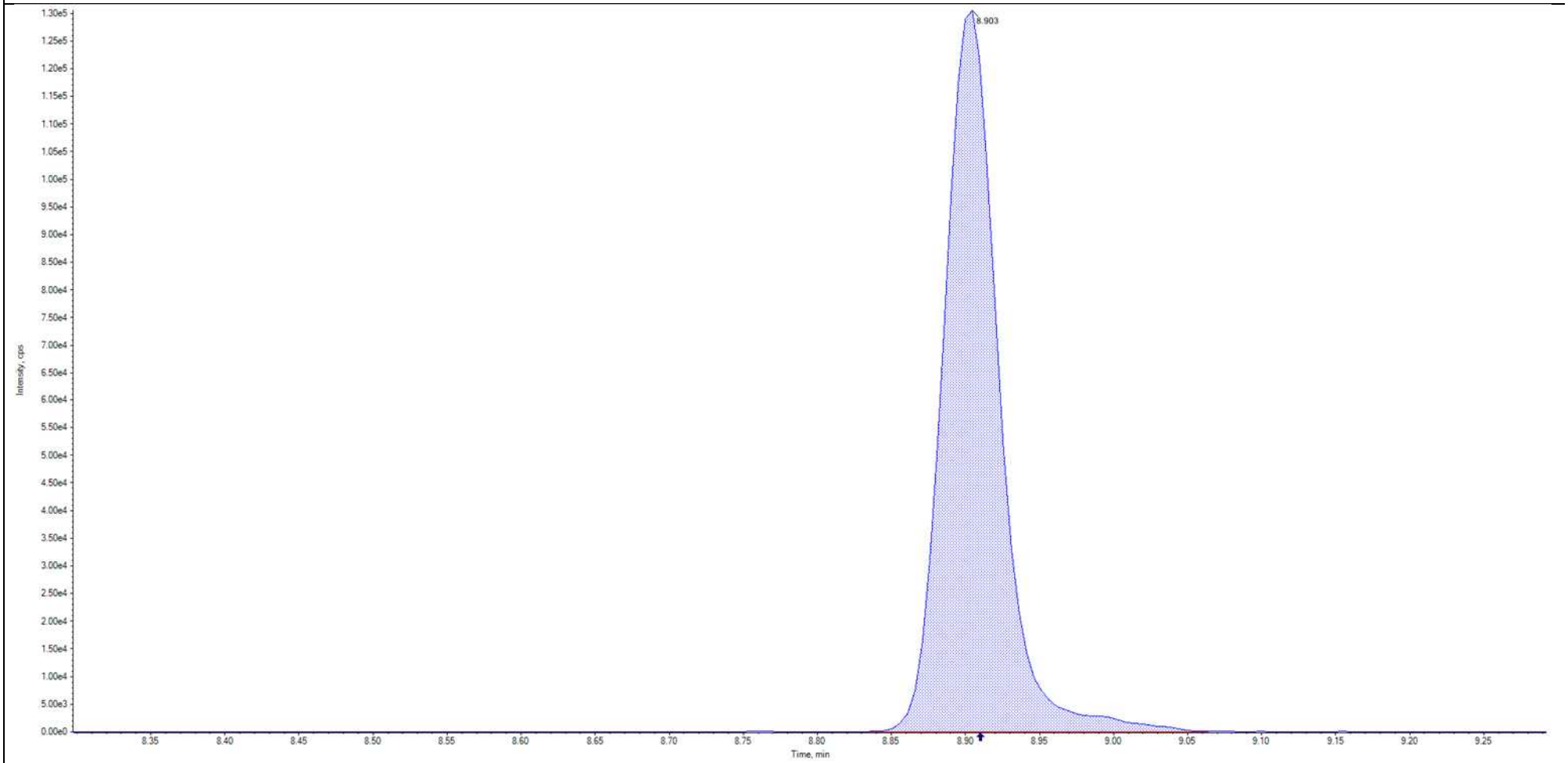
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C7-PFUnA
Sample: WG1958909-4,TRS

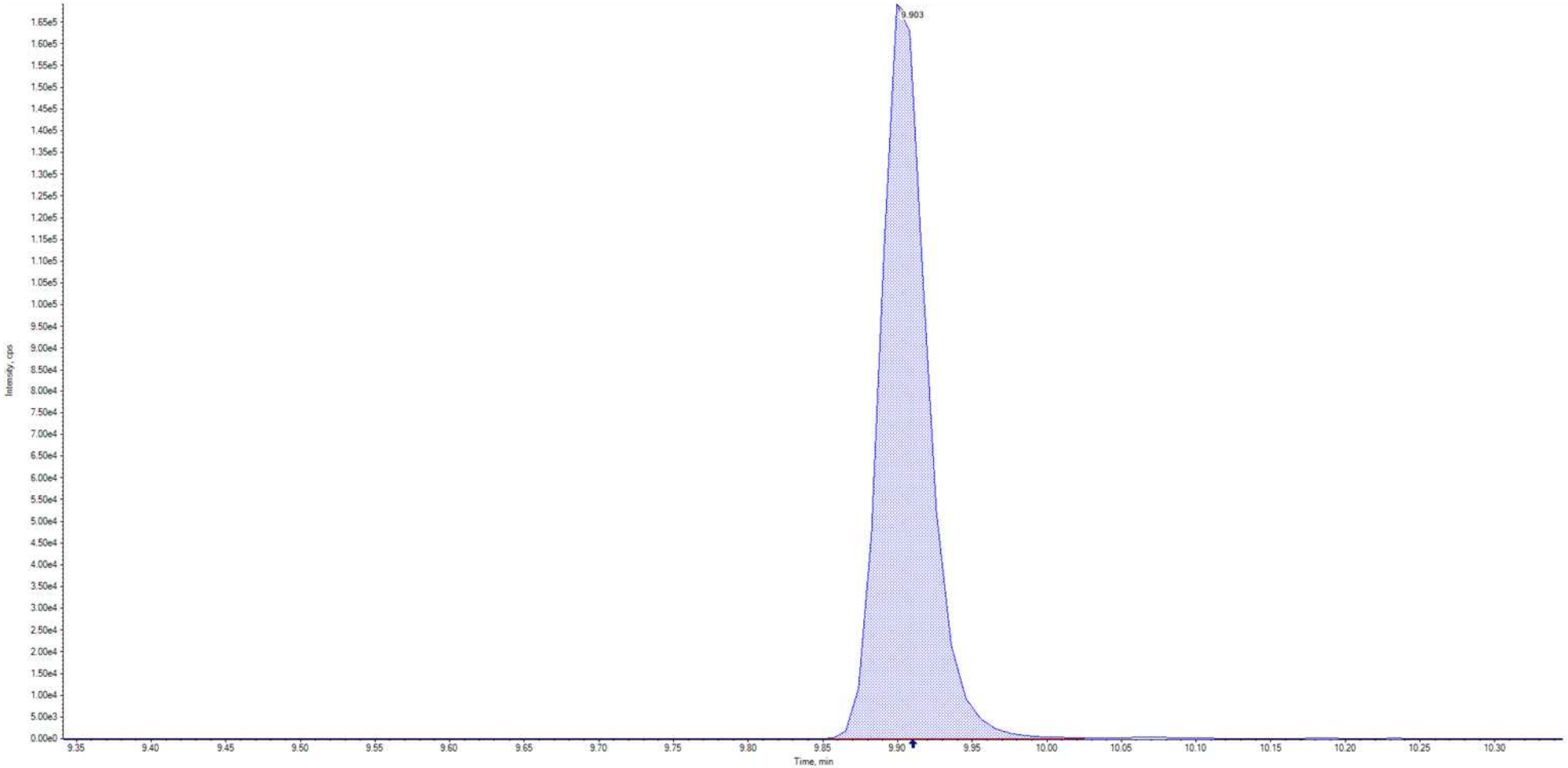


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFDoA
Sample: WG1958909-4,TRS

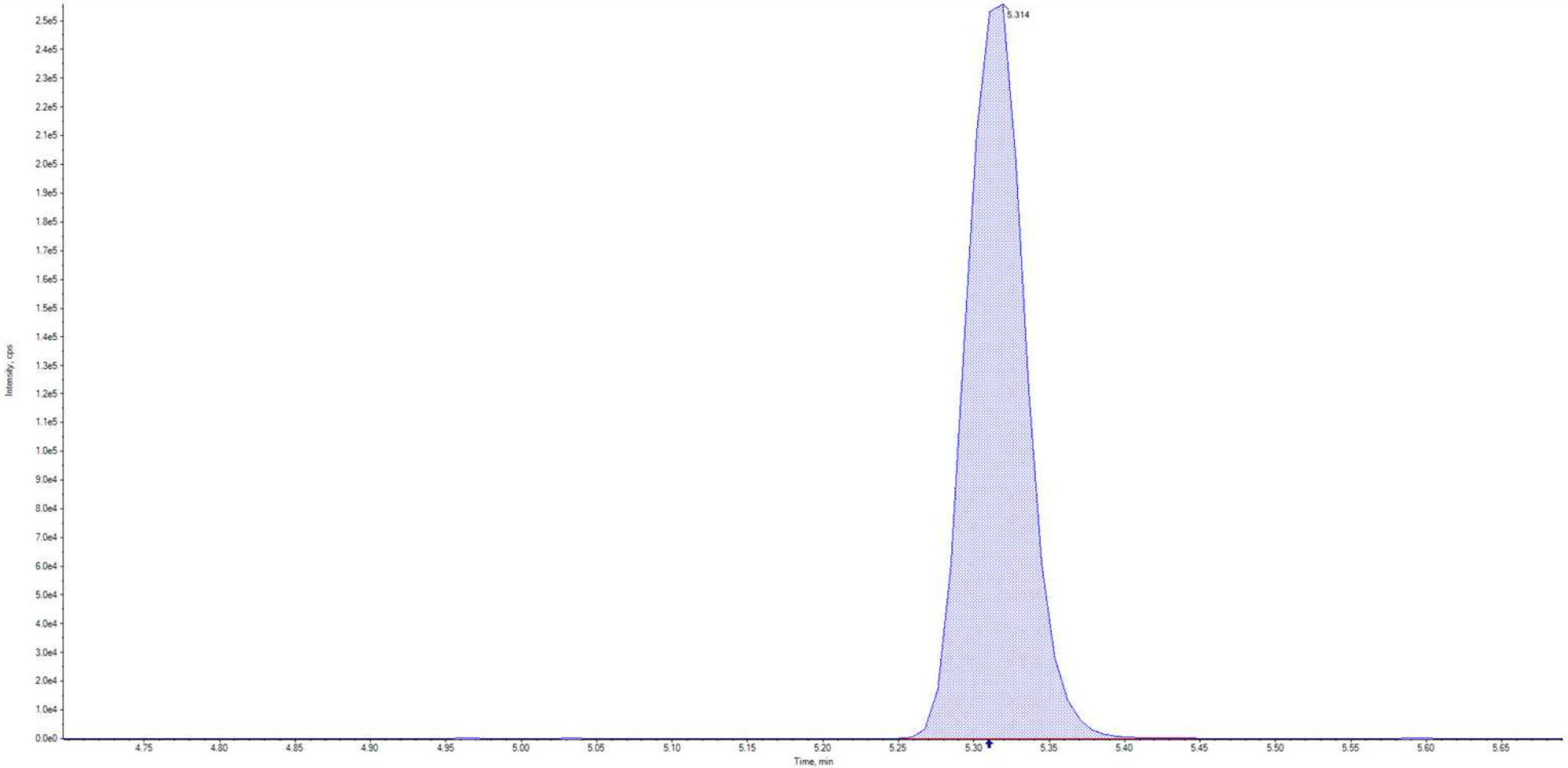


13C2-PFTeDA
Sample: WG1958909-4,TRS



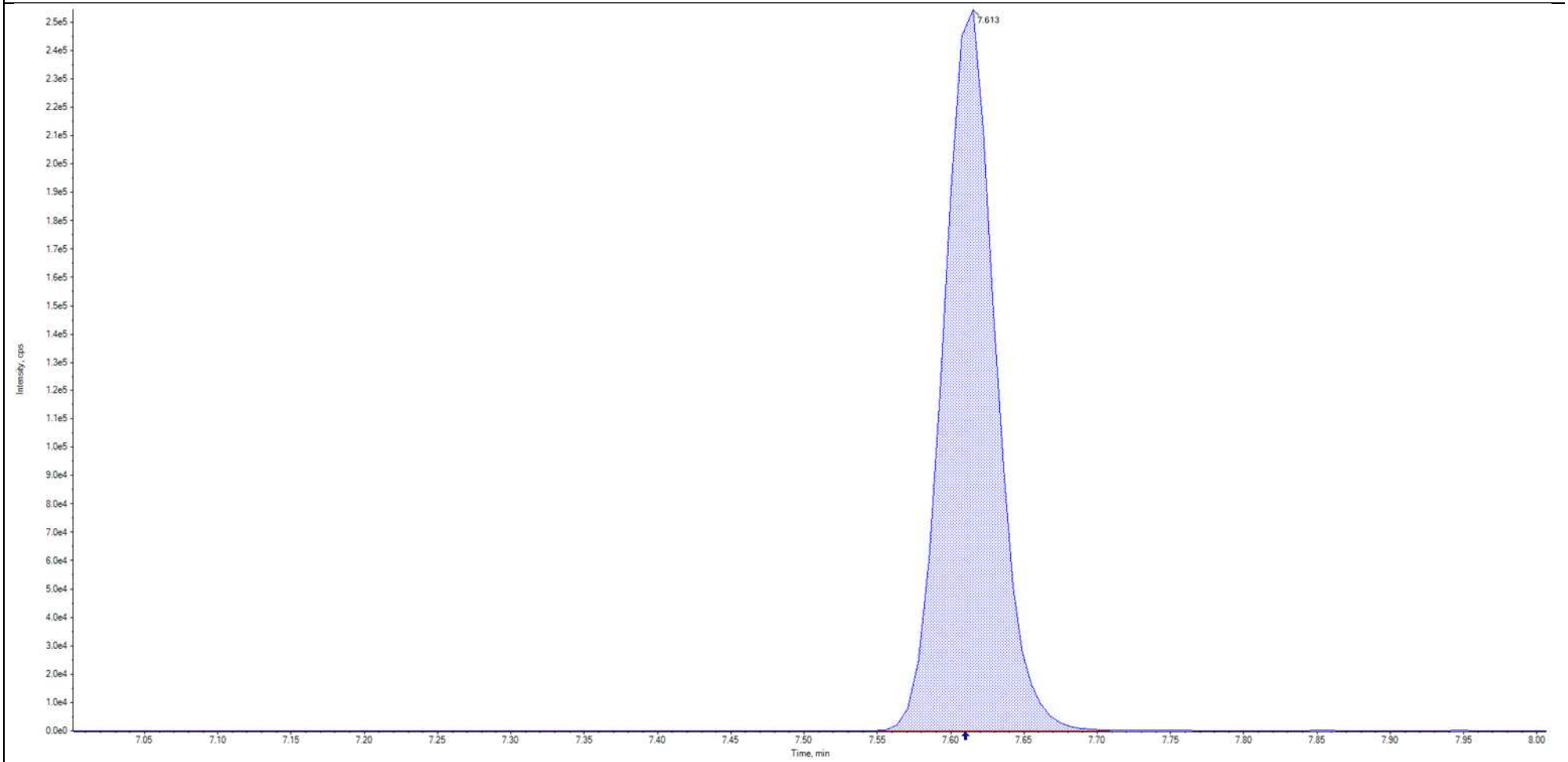
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFBS
Sample: WG1958909-4,TRS



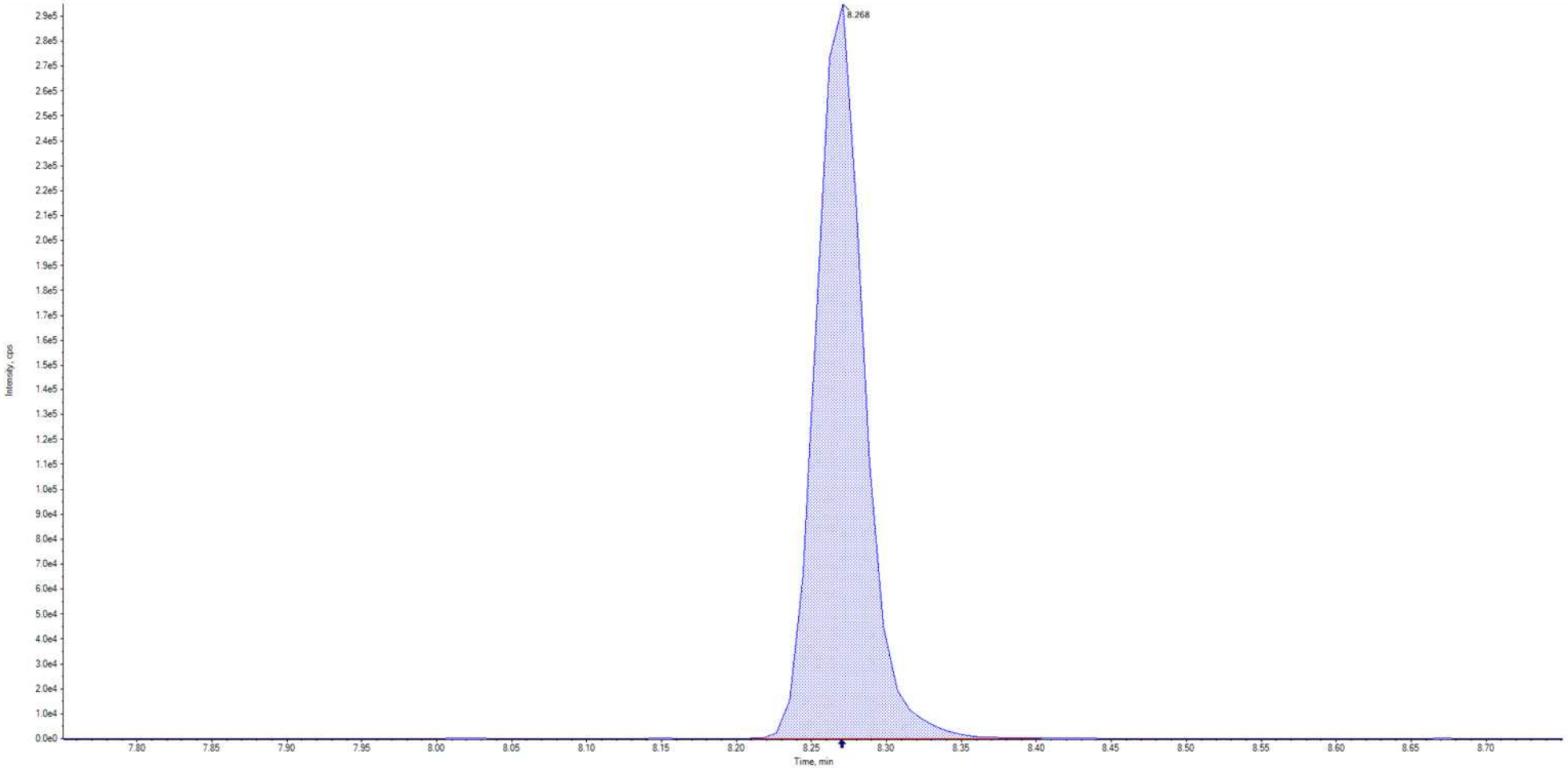
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFHxS
Sample: WG1958909-4,TRS

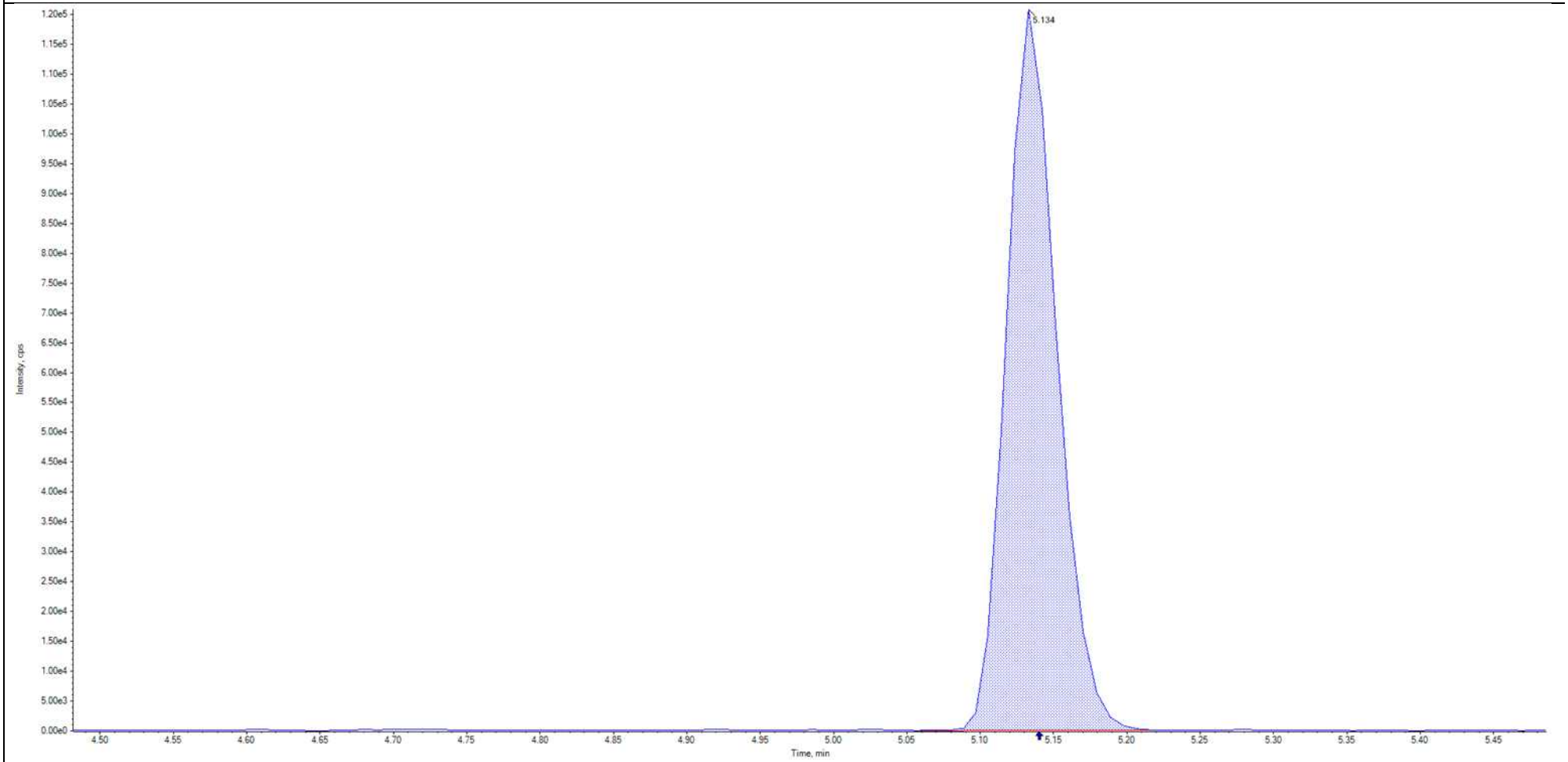


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C8-PFOS
Sample: WG1958909-4,TRS

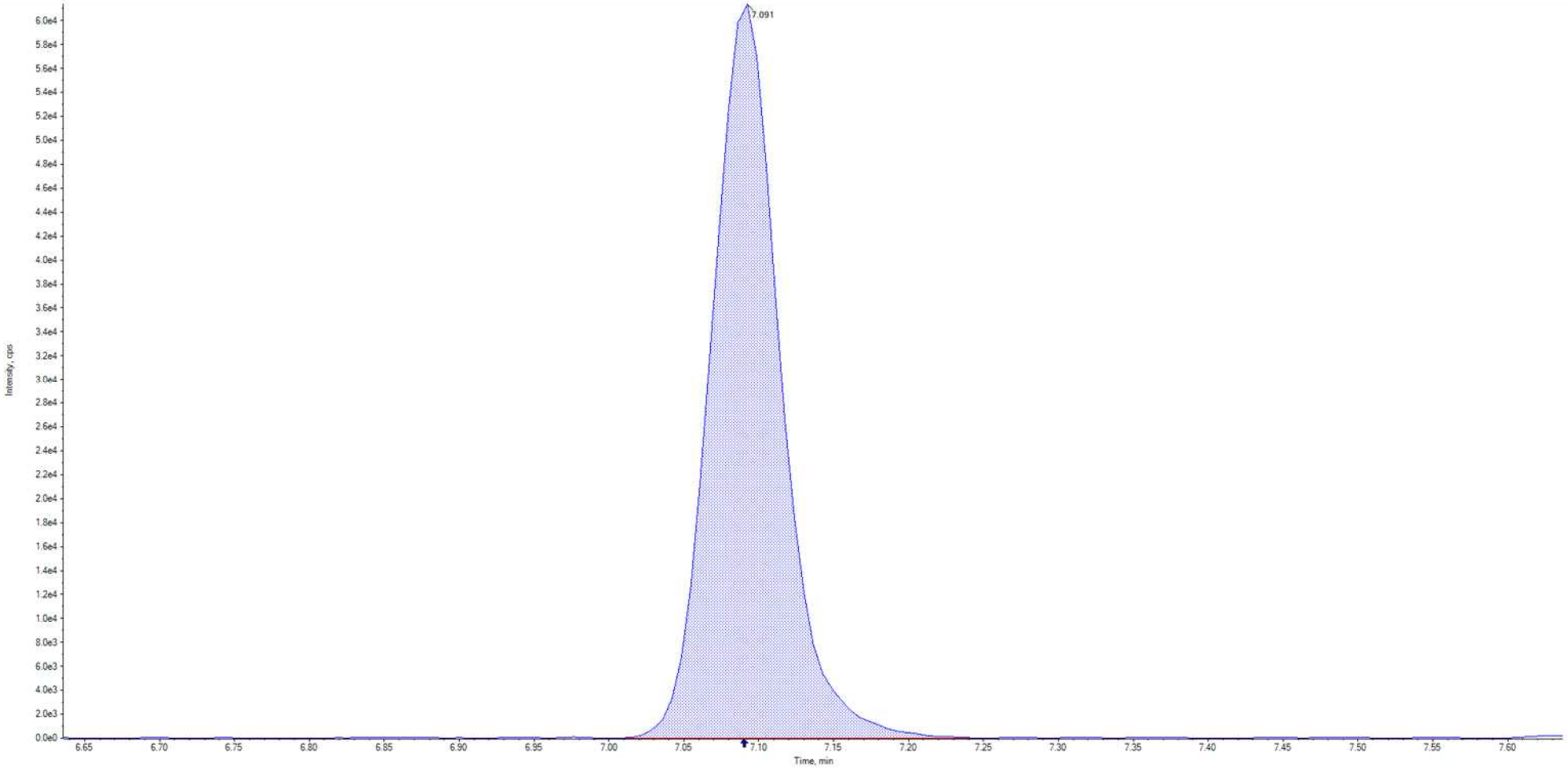


13C2-4:2FTS
Sample: WG1958909-4,TRS

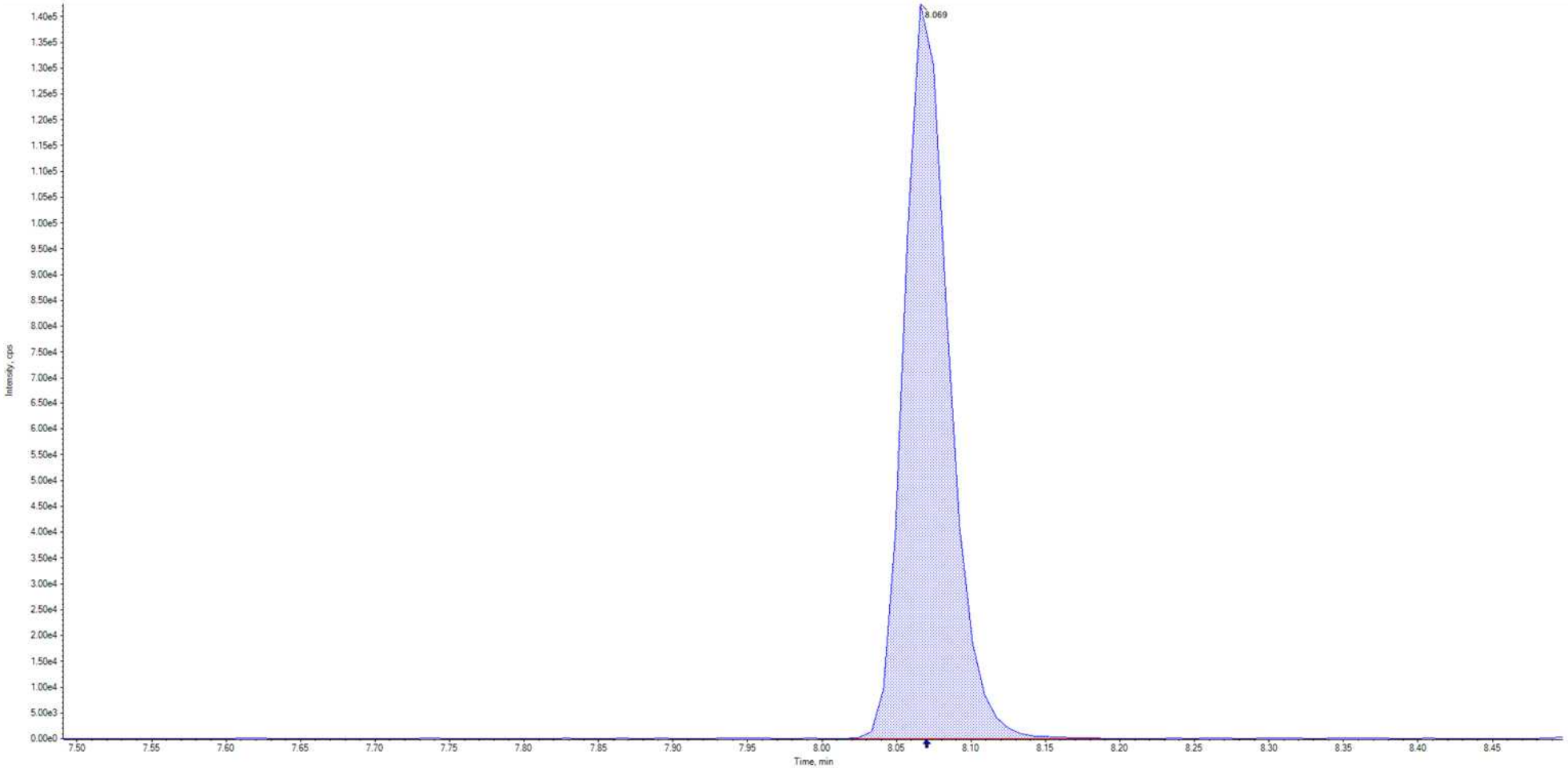


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-6:2FTS
Sample: WG1958909-4,TRS

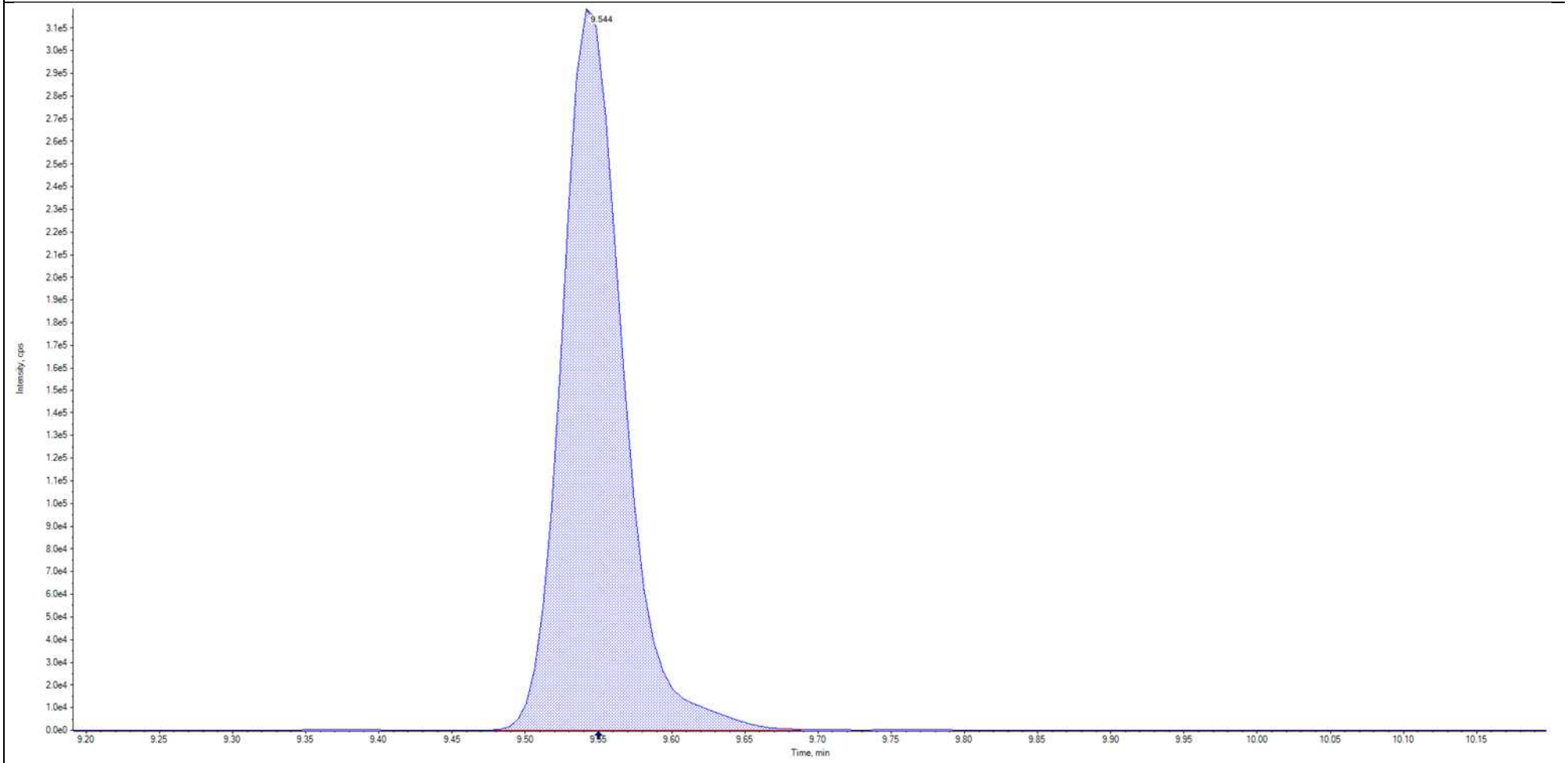


13C2-8:2FTS
Sample: WG1958909-4,TRS



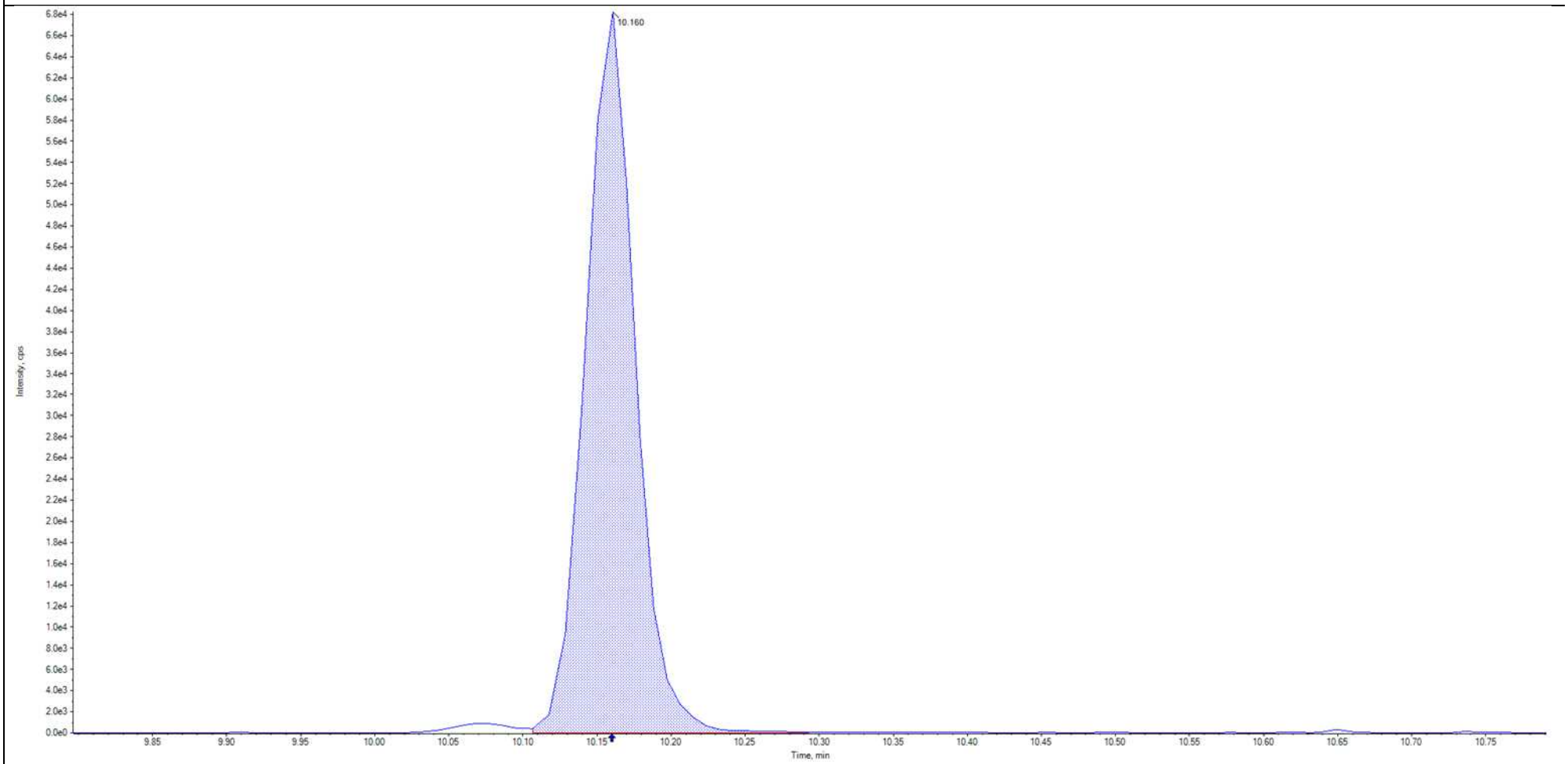
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C8-PFOSA
Sample: WG1958909-4,TRS

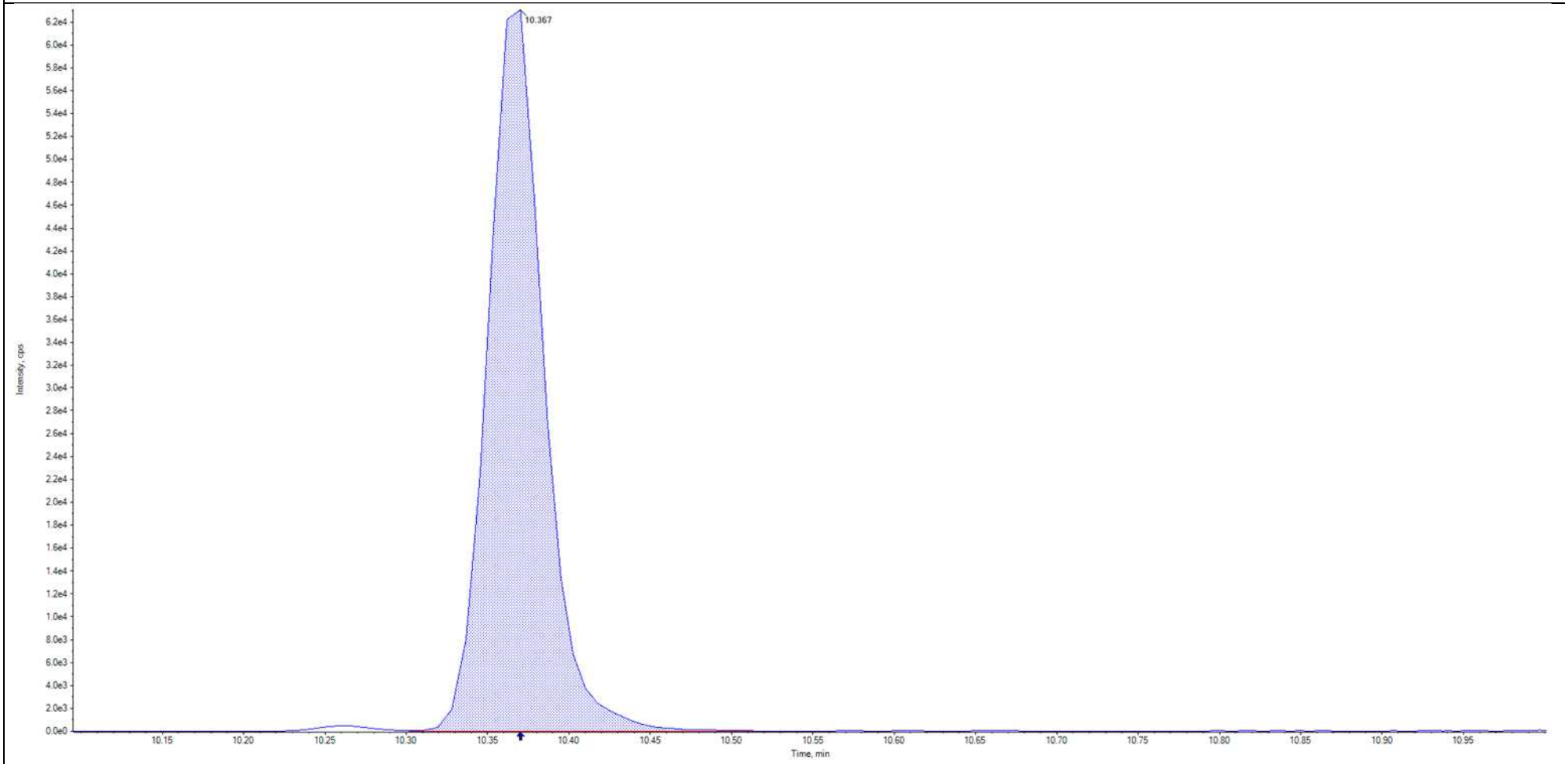


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

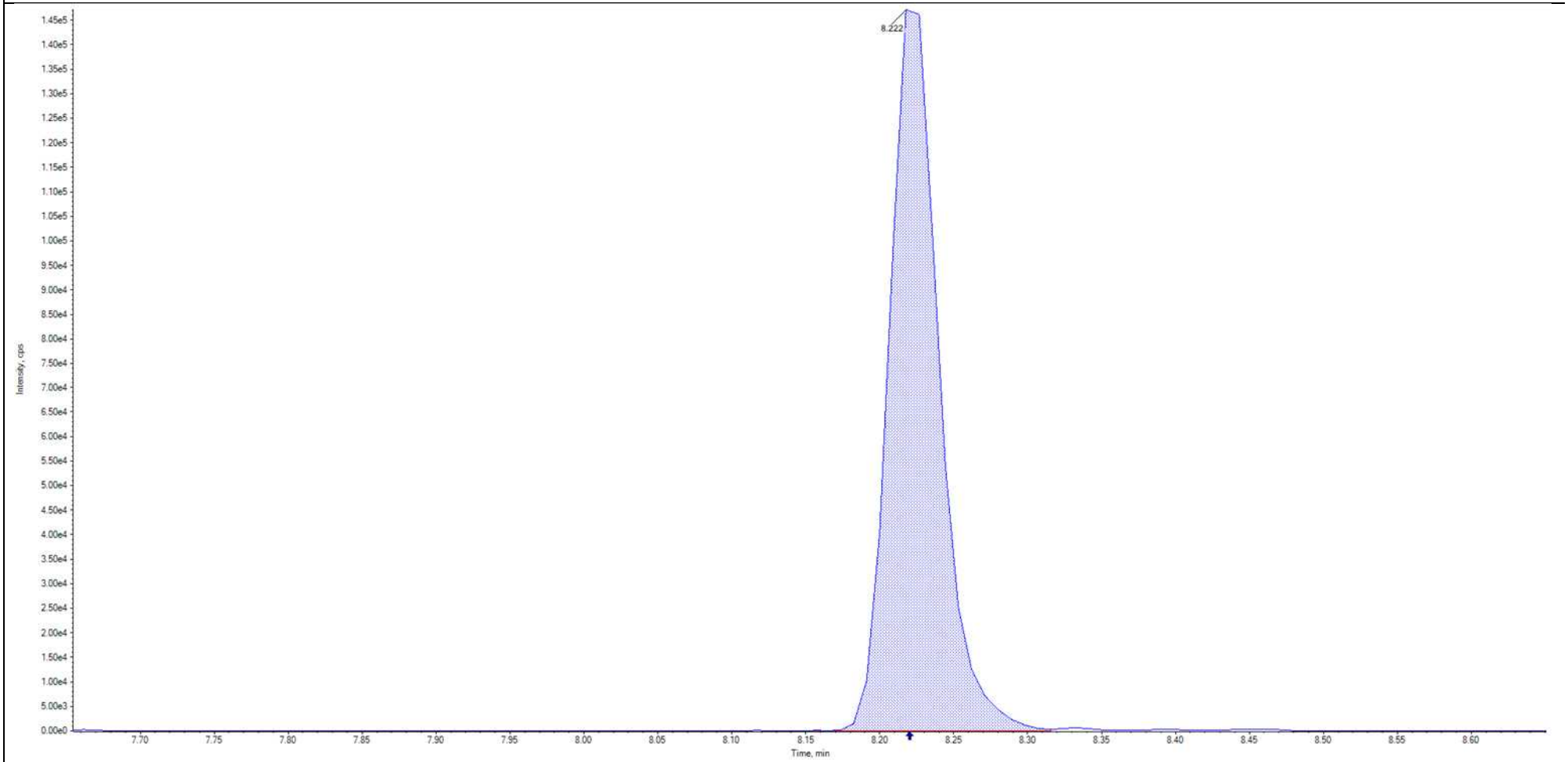
d3-NMeFOSA
Sample: WG1958909-4,TRS



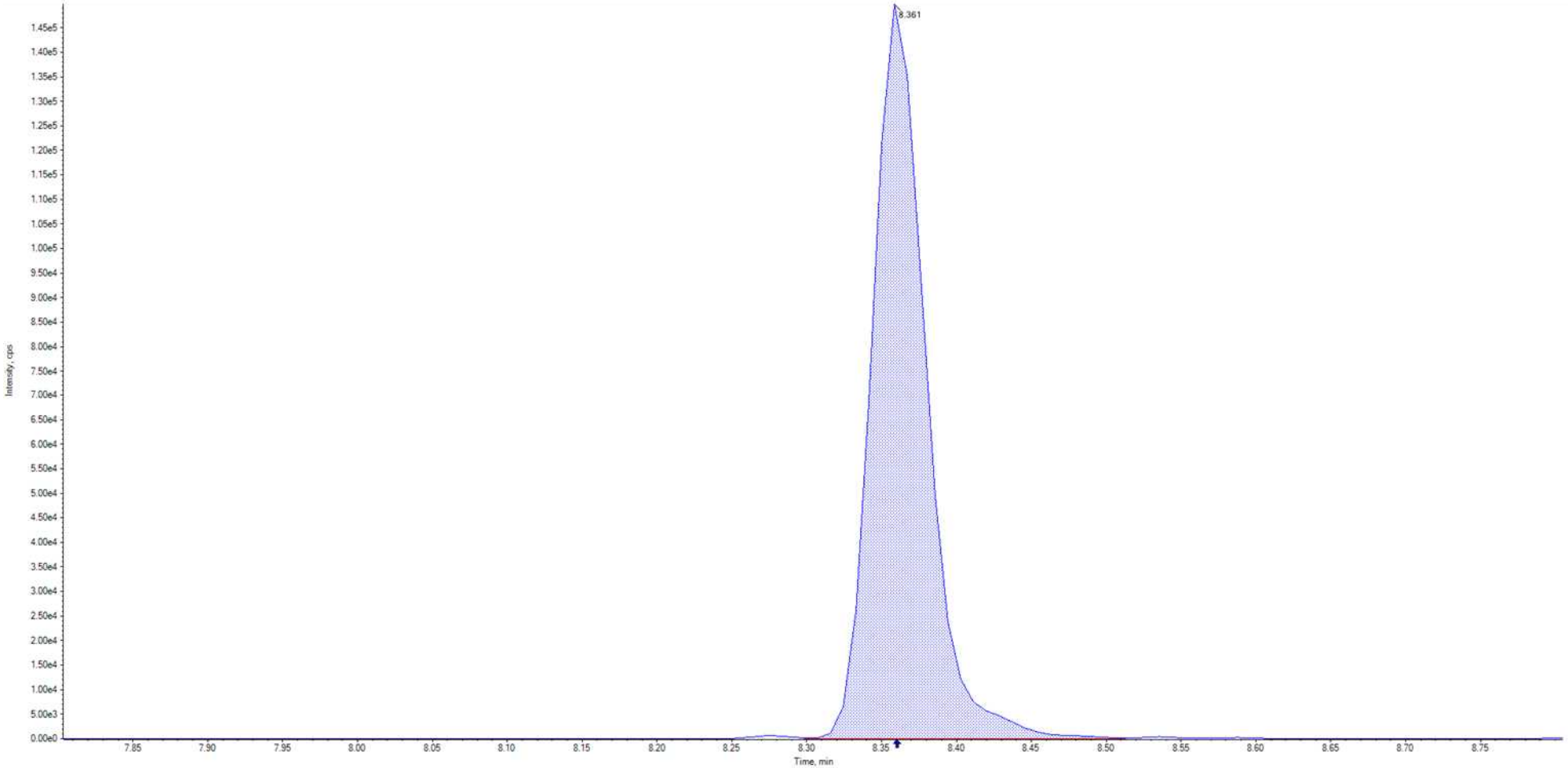
d5-NEtFOSA
Sample: WG1958909-4,TRS



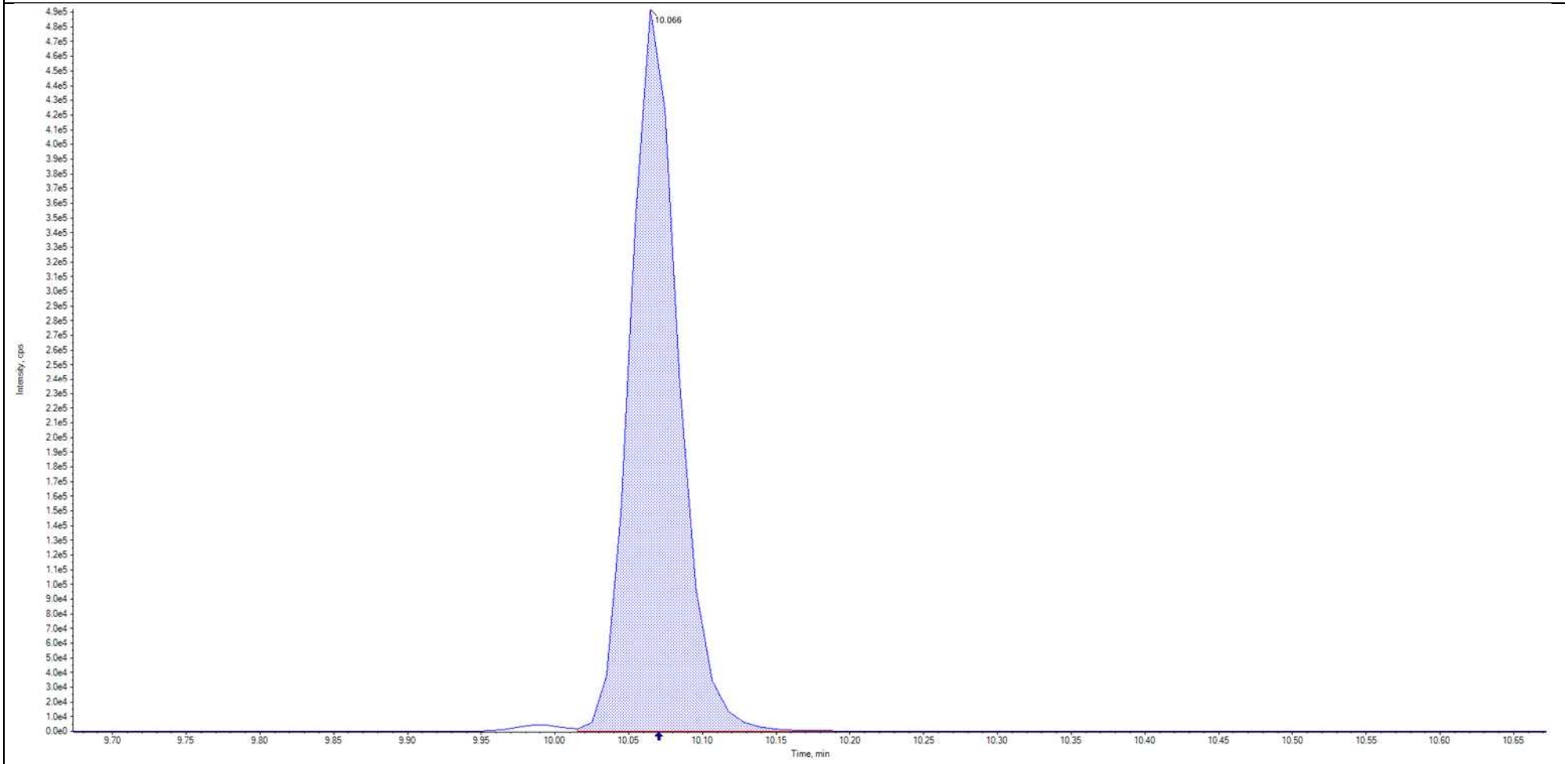
d3-NMeFOSAA
Sample: WG1958909-4,TRS



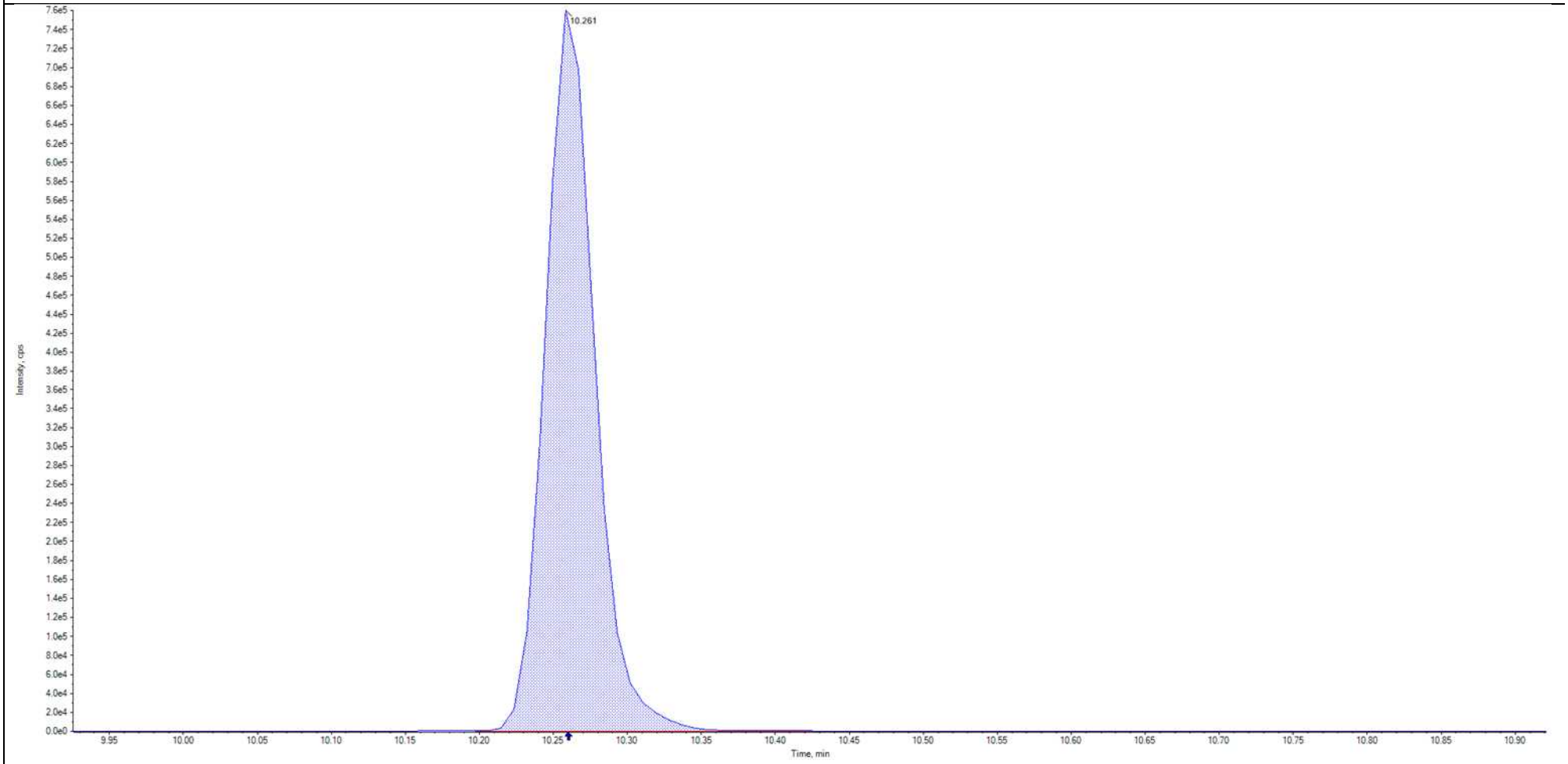
d5-NEtFOSAA
Sample: WG1958909-4,TRS



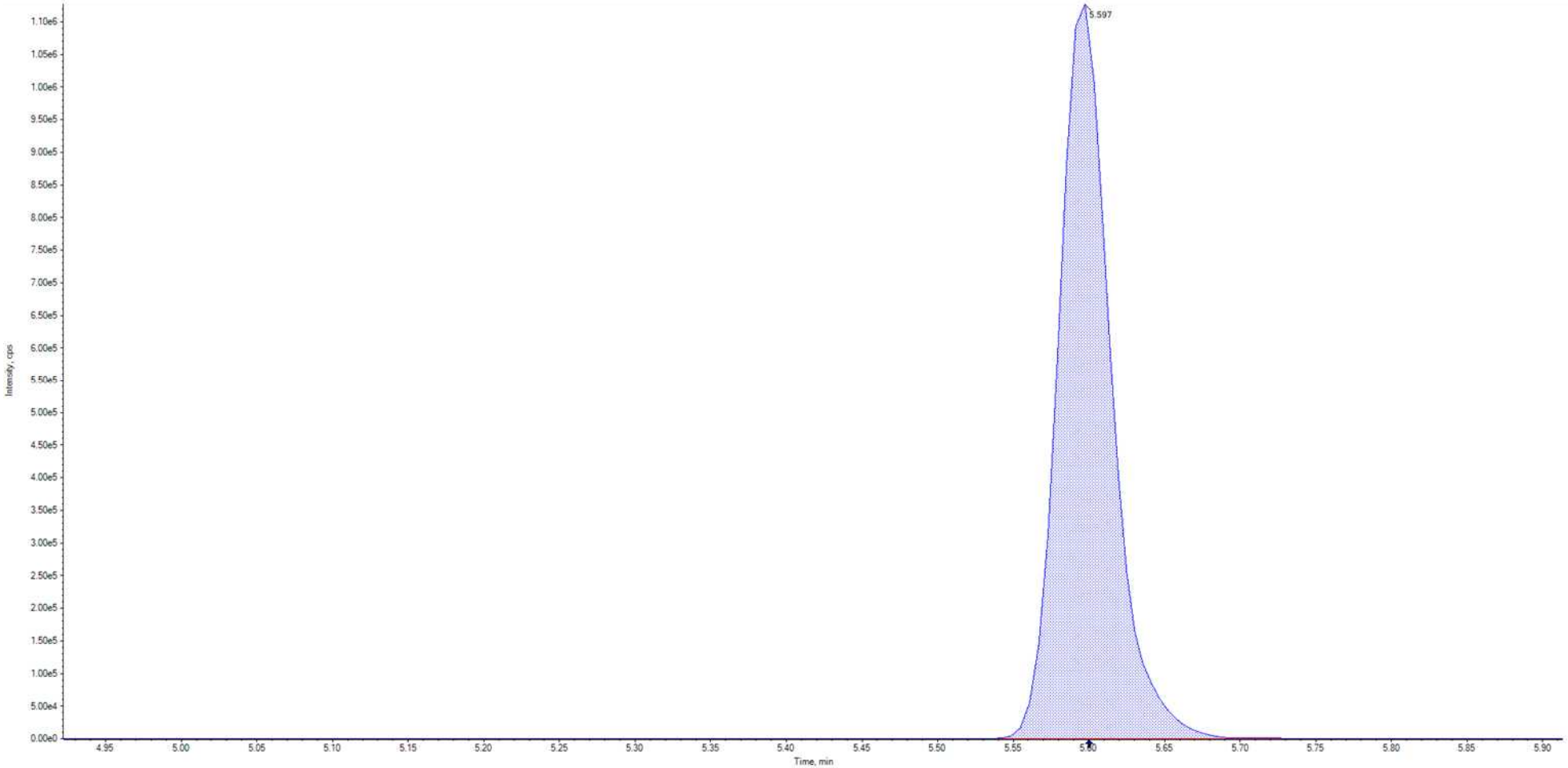
d7-NMeFOSE
Sample: WG1958909-4,TRS



d9-NEtFOSE
Sample: WG1958909-4,TRS

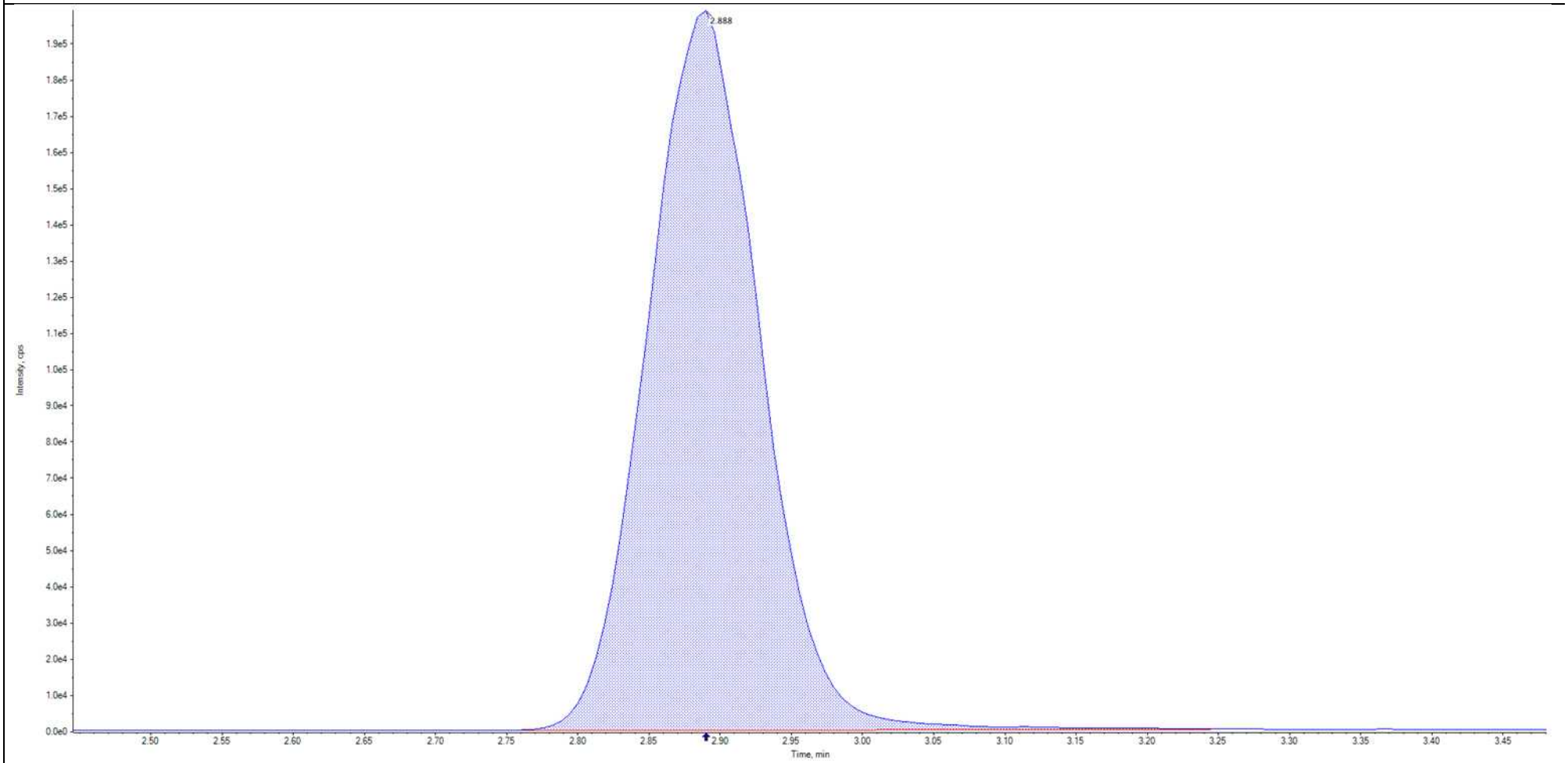


13C3-HFPO-DA
Sample: WG1958909-4,TRS



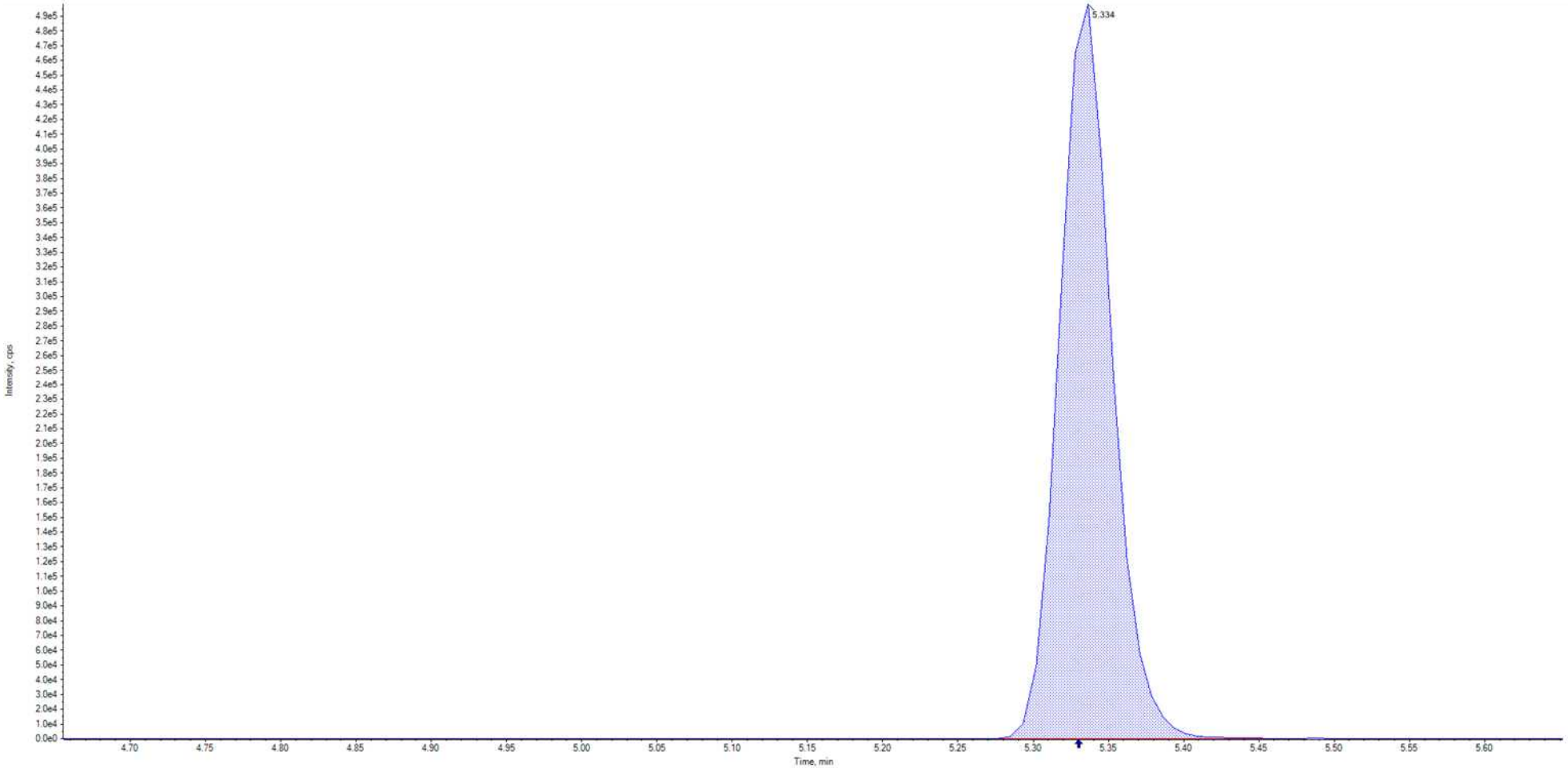
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C3-PFBA
Sample: WG1958909-4,TRS

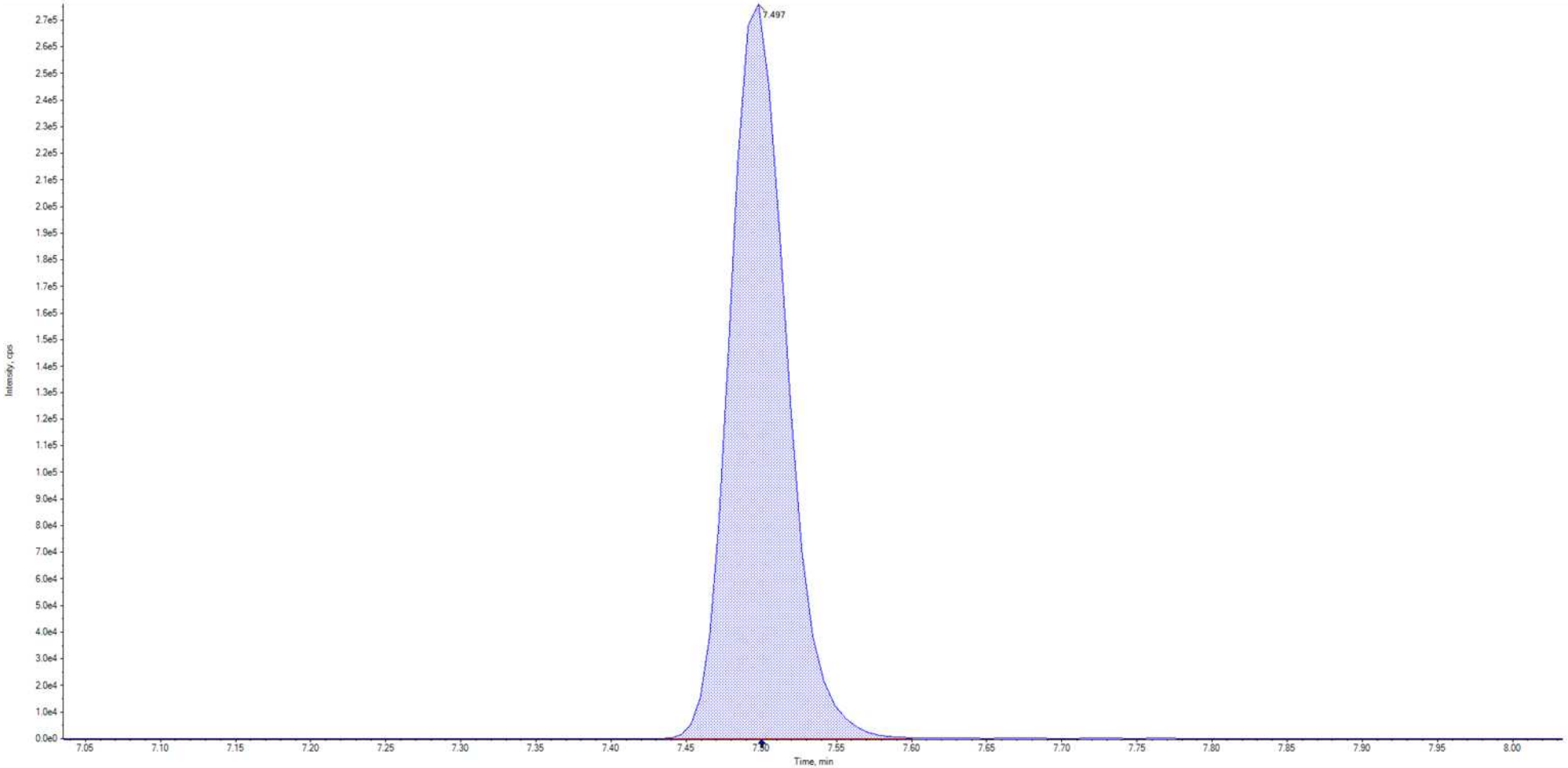


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

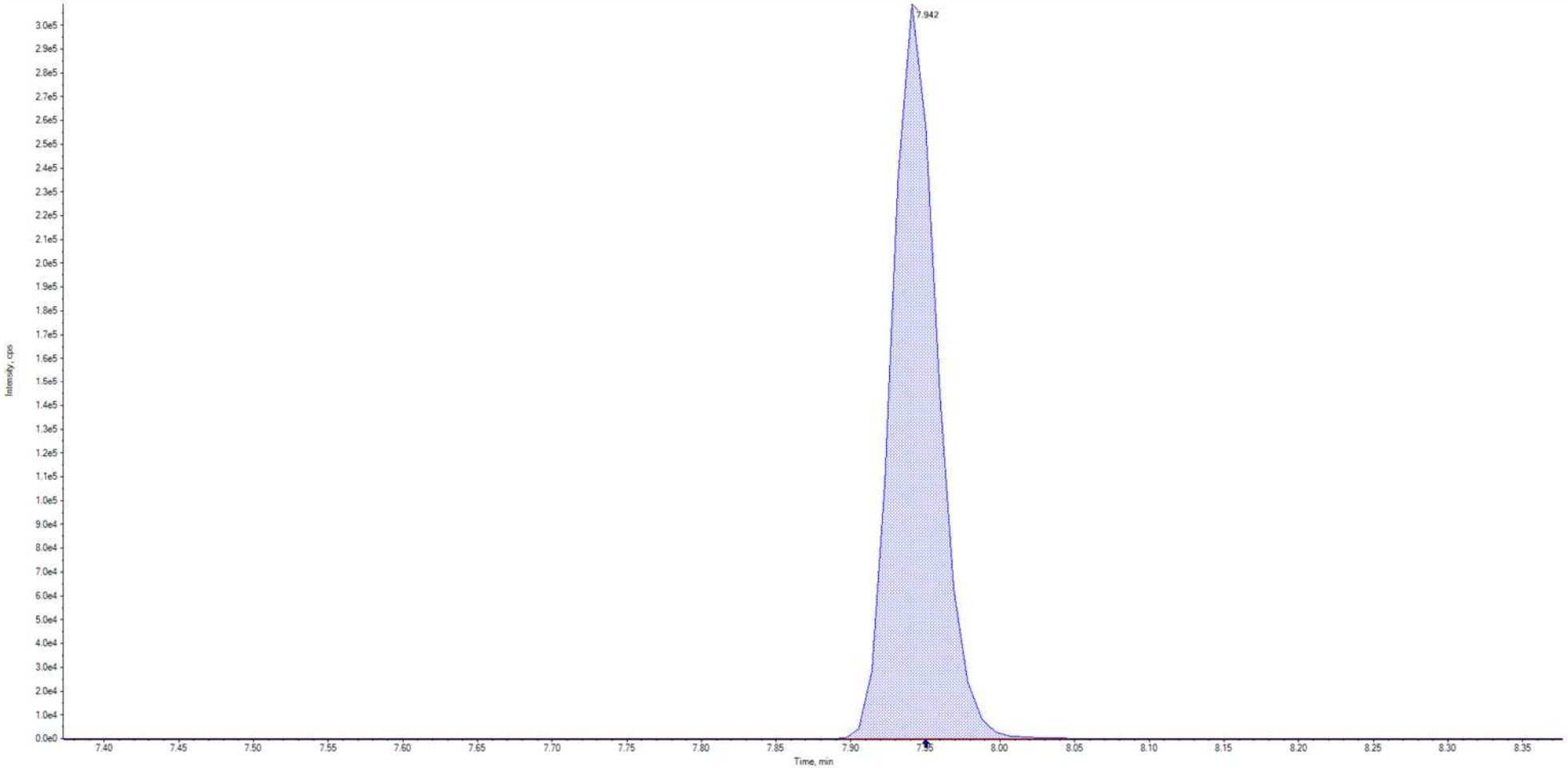
13C2-PFHxA
Sample: WG1958909-4,TRS



13C4-PFOA
Sample: WG1958909-4,TRS

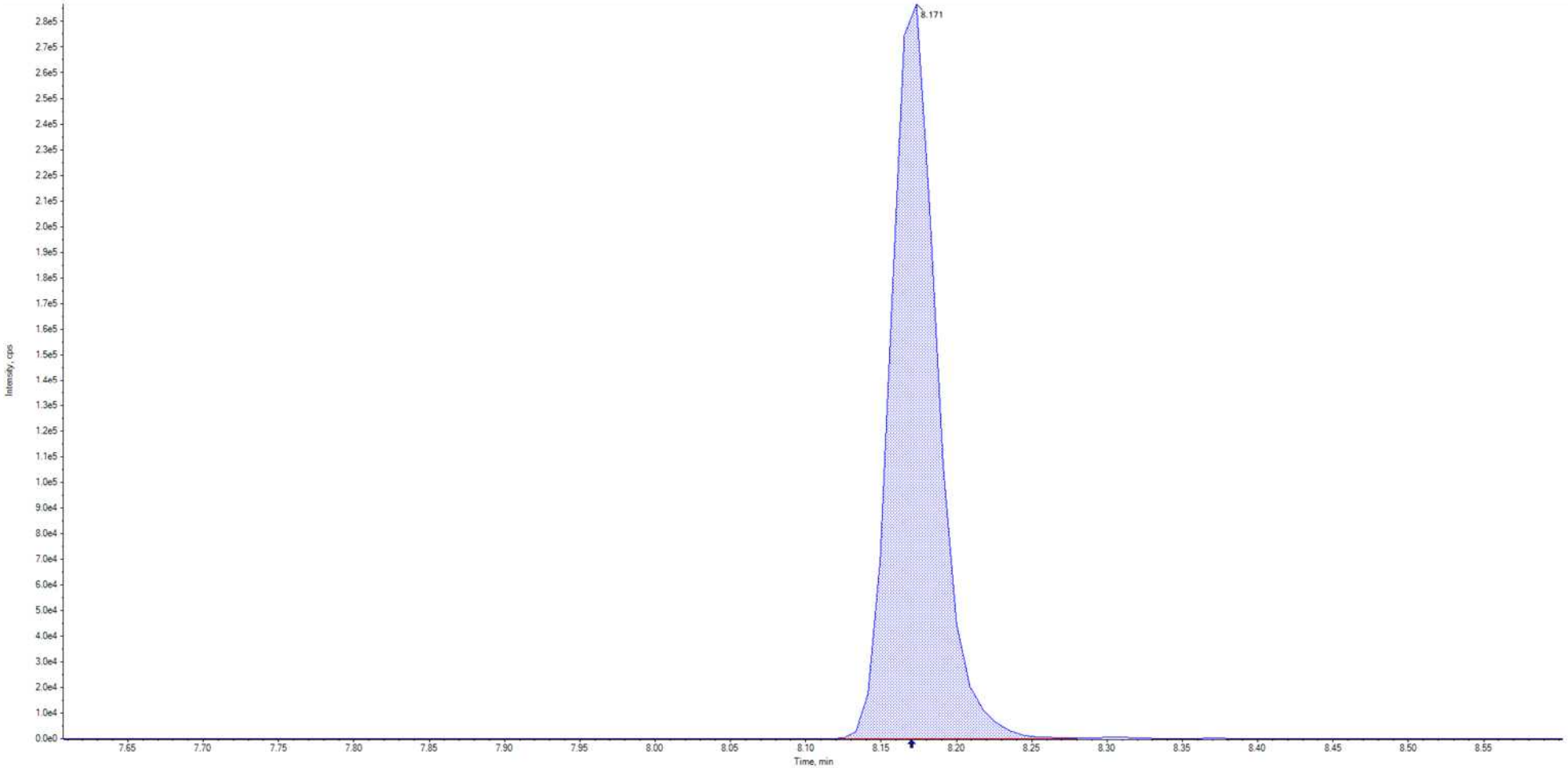


13C5-PFNA
Sample: WG1958909-4,TRS



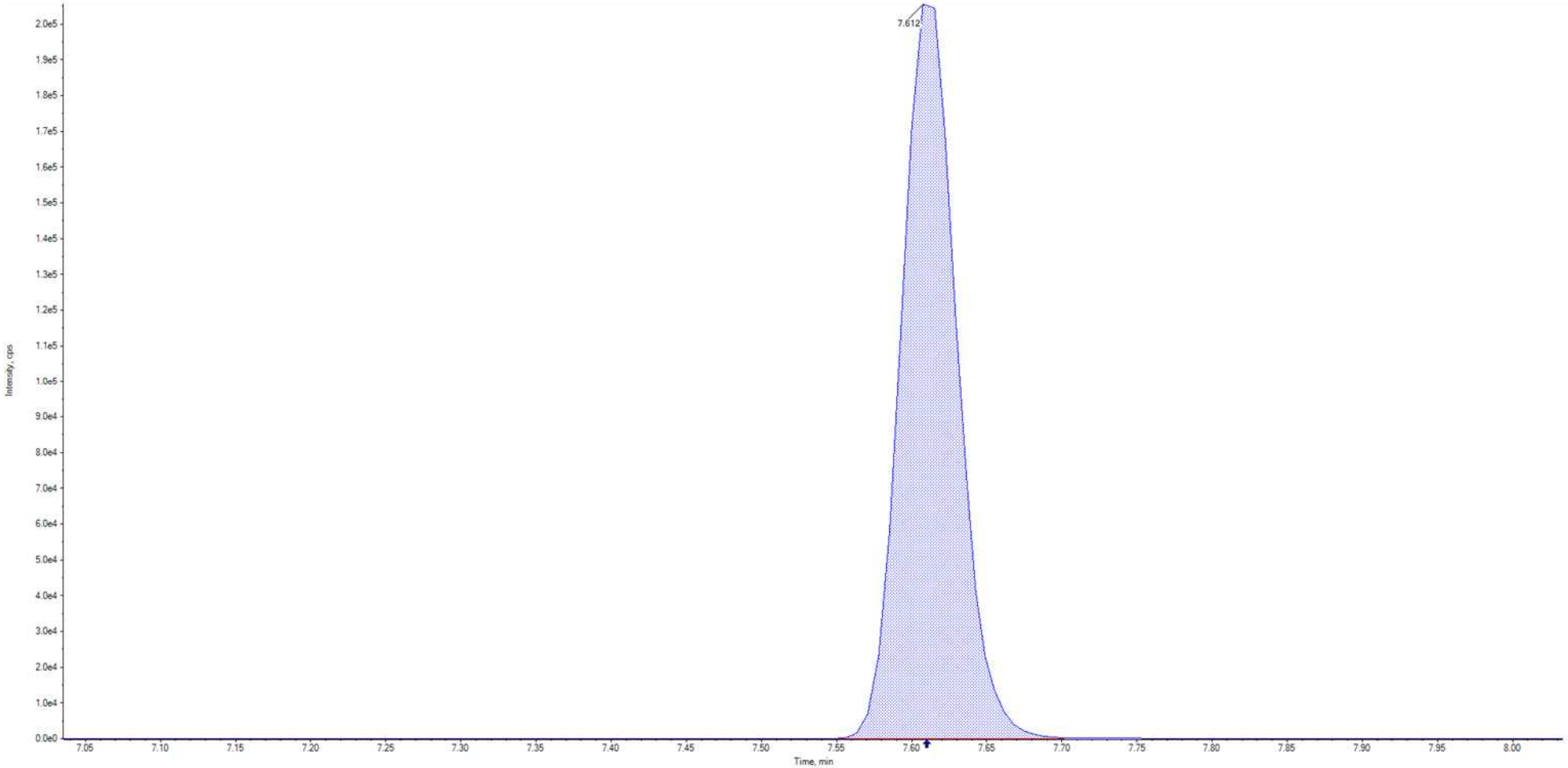
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFDA
Sample: WG1958909-4,TRS



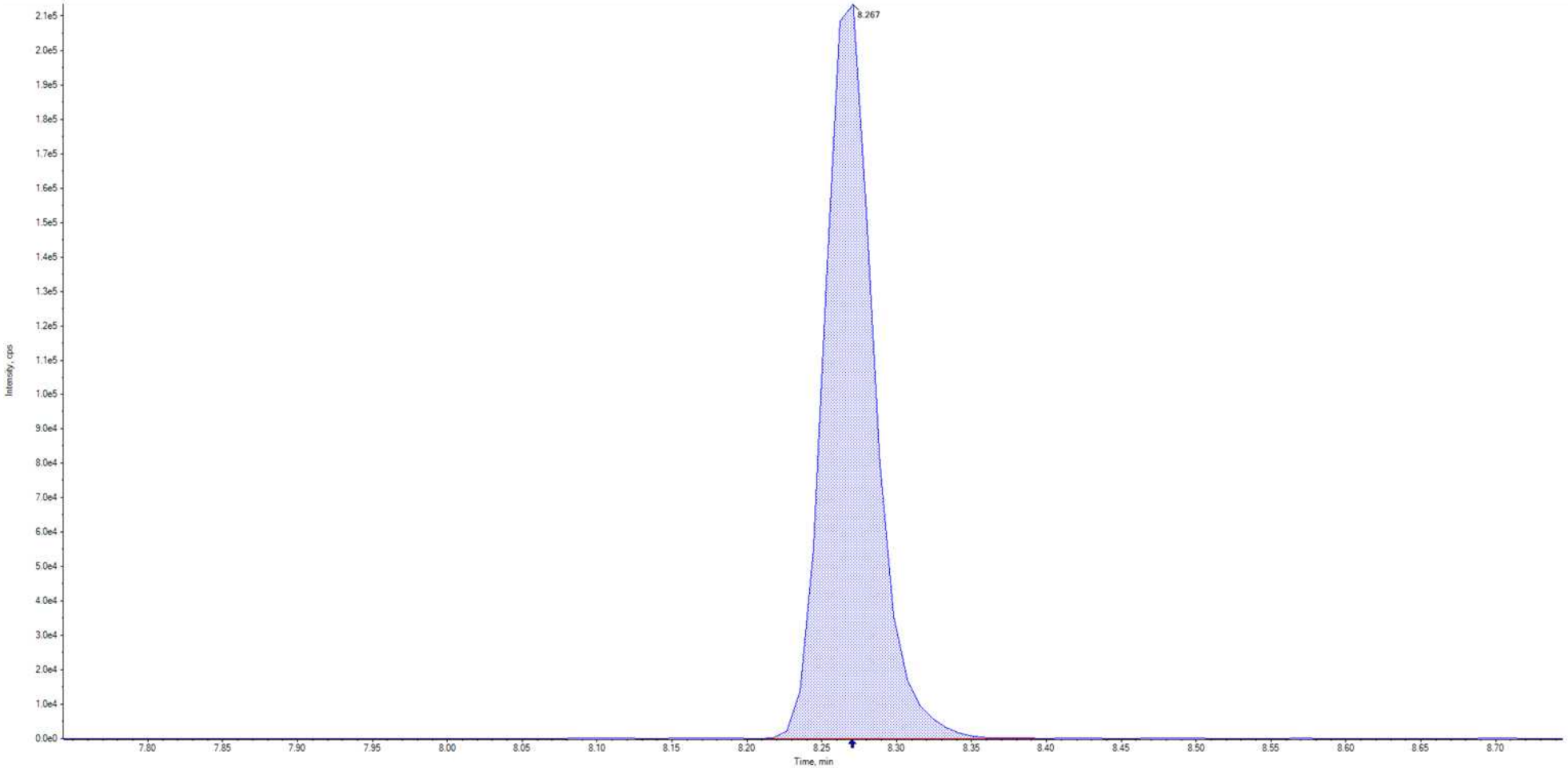
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

18O2-PFHxS
Sample: WG1958909-4,TRS



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: WG1958909-4,TRS



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_83.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1958909-6,INSTBLANK
Name: SCI05_240813_84.wiff
Date & Time: 2024-08-14T00:36:03
Description: WG1958909
Instrument: Triple Quad 5500+
User: LCMS05:SL

LC/MS-MS Method:EPA_1633.dam

	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	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	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	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	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	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	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	5.14	327.1 / 307.1	21565		0.176	0.562	0.516	Pass	N/A
39	4:2FTS_2	757124-72-4	5.14	327.1 / 81.1	12125		0.185	0.562	0.516	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	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	0.487	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	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	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	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.12	333.2 / 312.1	831075		4.782	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.49	415.0 / 370.0	3176142		2.674	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	2.89	217.0 / 172.0	2375613		10.204	NA	NA	NA	102.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1552656		5.404	NA	NA	NA	108.1
	13C5-PFHxA	EIS	5.33	318.0 / 273.0	1036094		2.745	NA	NA	NA	109.8
	13C4-PFHpA	EIS	6.24	367.0 / 322.0	991160		2.623	NA	NA	NA	104.9
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1406213		2.622	NA	NA	NA	104.9
	13C9-PFNA	EIS	7.94	472.0 / 427.0	715341		1.393	NA	NA	NA	111.4
	13C6-PFDA	EIS	8.17	519.0 / 474.0	656191		1.269	NA	NA	NA	101.6
	13C7-PFUnA	EIS	8.46	570.0 / 525.0	529450		1.266	NA	NA	NA	101.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.90	615.1 / 570.0	336154		1.236	NA	NA	NA	98.8
	13C2-PFTeDA	EIS	9.90	715.1 / 670.1	344024		1.165	NA	NA	NA	93.2
	13C3-PFBS	EIS	5.31	302.1 / 80.1	695203		2.147	NA	NA	NA	92.1
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	606212		2.357	NA	NA	NA	99.4
	13C8-PFOS	EIS	8.26	507.1 / 80.1	647263		2.488	NA	NA	NA	103.9
	13C2-4:2FTS	EIS	5.13	329.1 / 81.1	293570		5.079	NA	NA	NA	108.3
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	192064		4.535	NA	NA	NA	95.4
	13C2-8:2FTS	EIS	8.06	529.2 / 81.1	279349		4.507	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	9.54	506.1 / 78.1	928323		2.684	NA	NA	NA	107.4
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	147075		2.526	NA	NA	NA	101.1
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	148771		2.616	NA	NA	NA	104.6
	d3-NMeFOSAA	EIS	8.22	573.2 / 419.1	653243		4.963	NA	NA	NA	99.3
	d5-NEtFOSAA	EIS	8.36	589.3 / 419.1	330505		4.778	NA	NA	NA	95.6
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1099937		24.465	NA	NA	NA	97.9
	d9-NEtFOSE	EIS	10.26	639.2 / 58.9	1696488		25.593	NA	NA	NA	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.59	287.0 / 169.0	2562544		10.246	NA	NA	NA	102.5
	13C3-PFBA	NIS	2.89	216.0 / 172.0	1018395		4.763	NA	NA	NA	95.3
	13C2-PFHxA	NIS	5.33	315.0 / 270.0	1120501		2.288	NA	NA	NA	91.5
	13C4-PFOA	NIS	7.49	417.0 / 372.0	701723		2.242	NA	NA	NA	89.7
	13C5-PFNA	NIS	7.94	468.0 / 423.0	625607		1.142	NA	NA	NA	91.4
	13C2-PFDA	NIS	8.17	515.1 / 470.1	607279		1.185	NA	NA	NA	94.8
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	522805		2.232	NA	NA	NA	94.2
	13C4-PFOS	NIS	8.26	503.1 / 80.1	460170		2.186	NA	NA	NA	91.3

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 8/14/2024 9:40:32 AM

	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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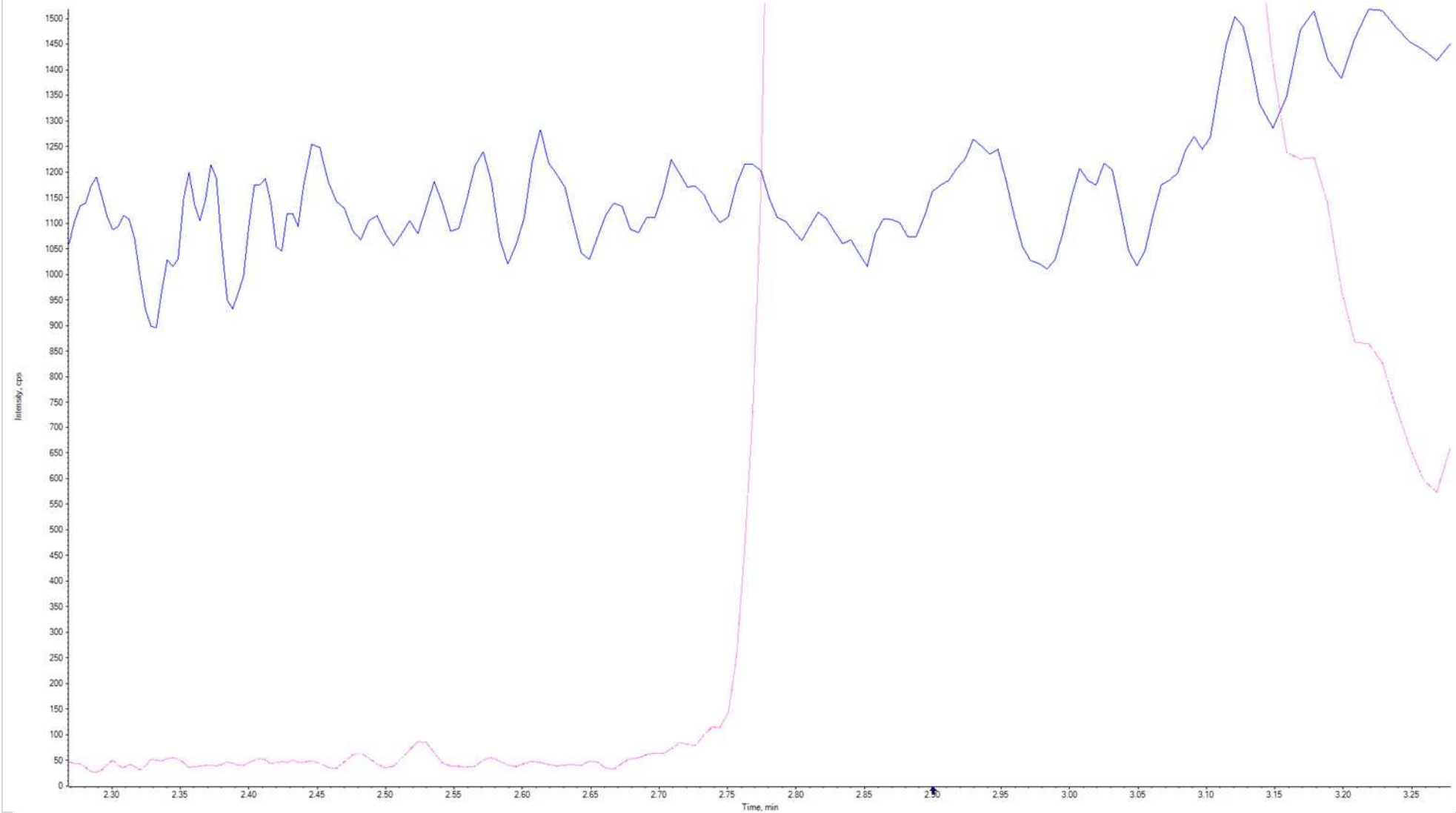

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PFPeA
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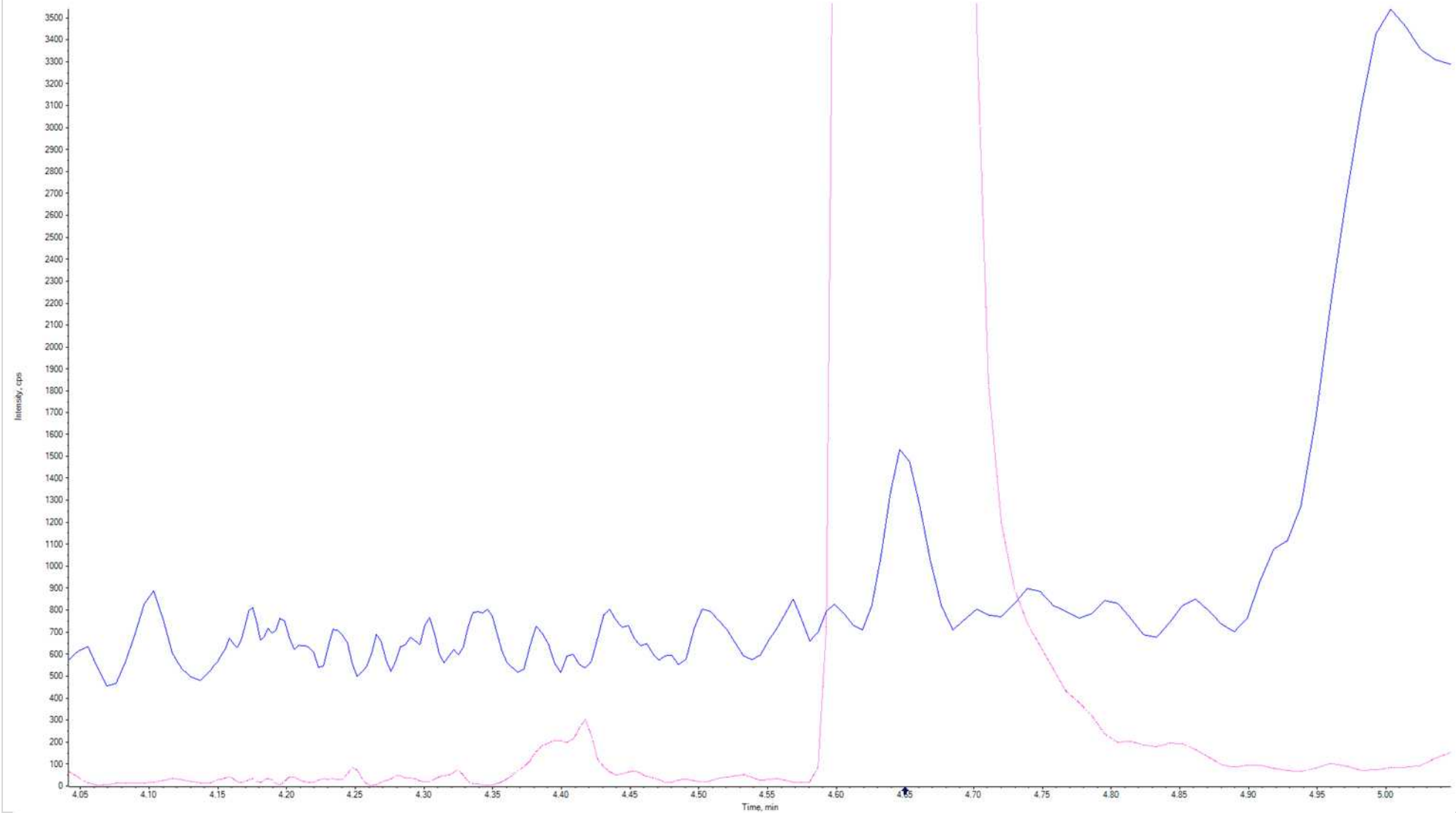

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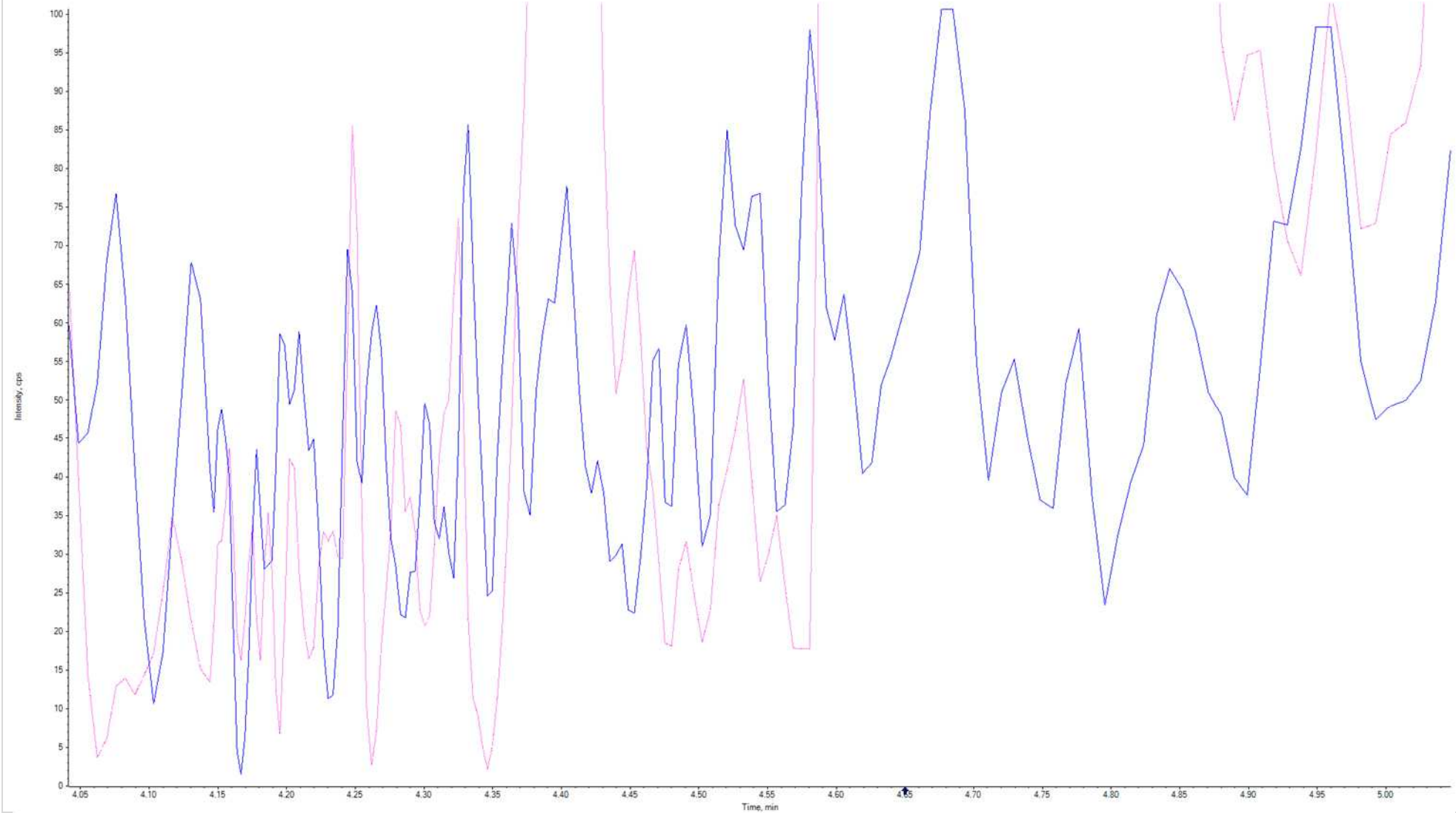

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PFHxA
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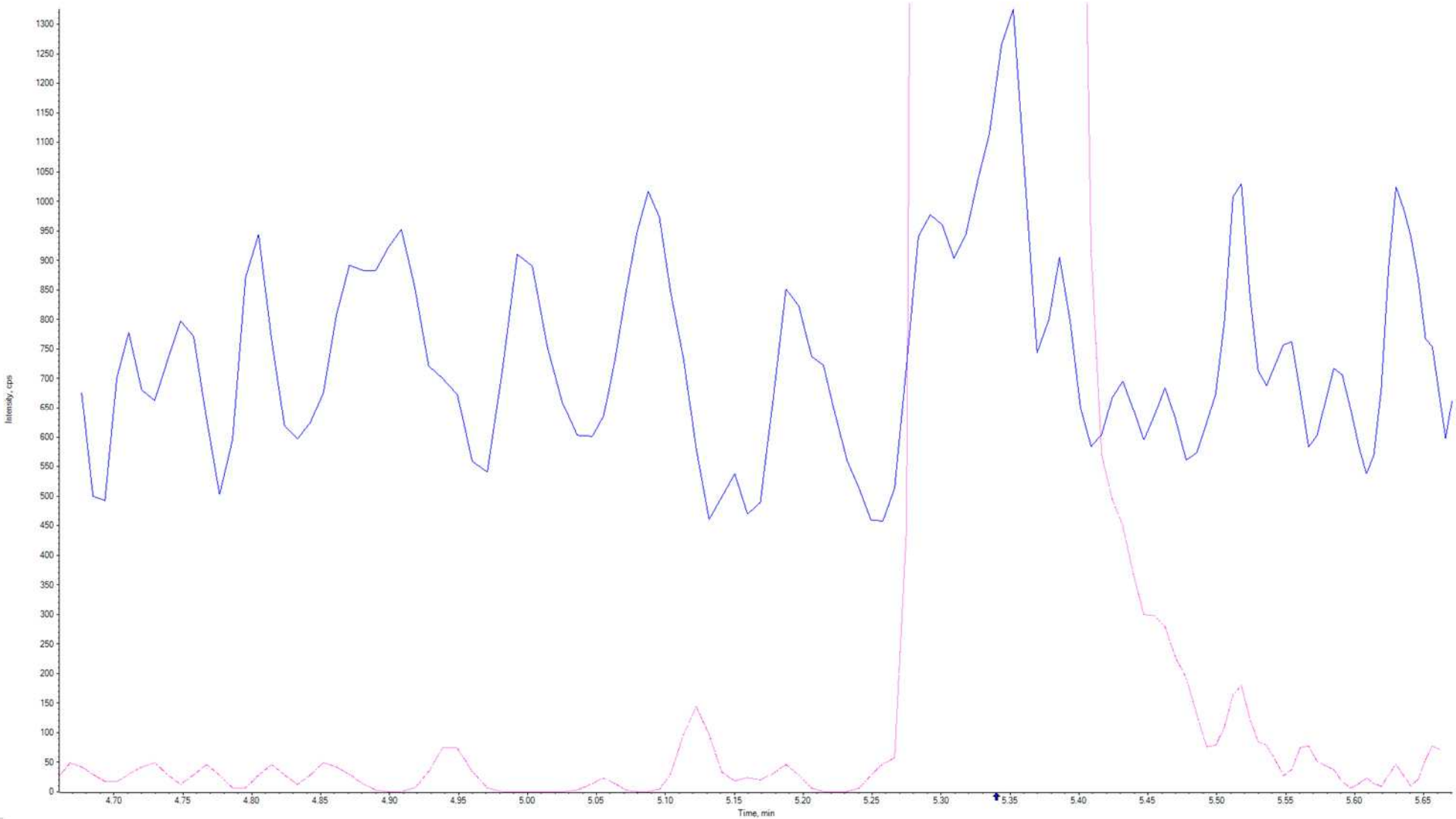

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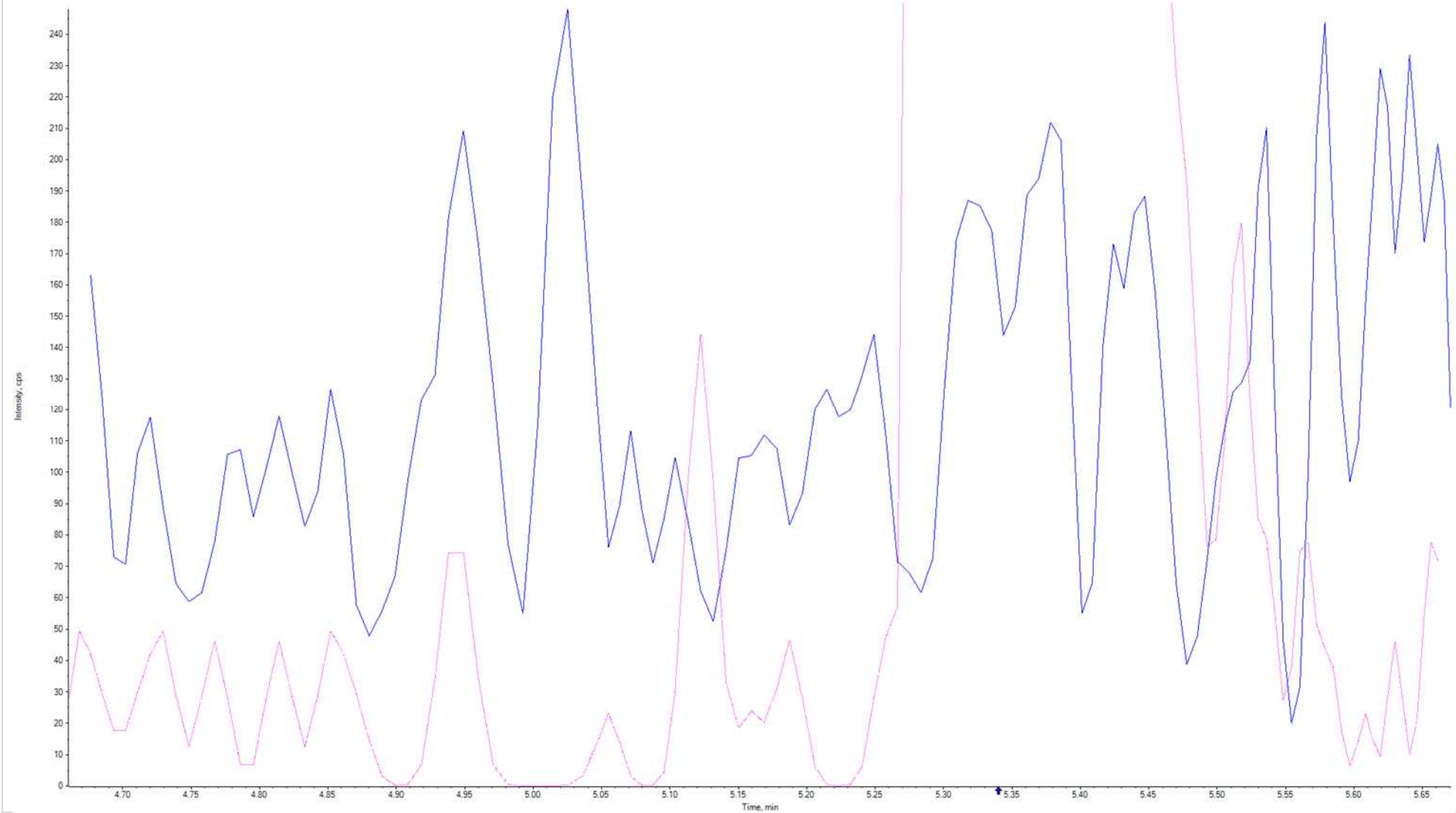

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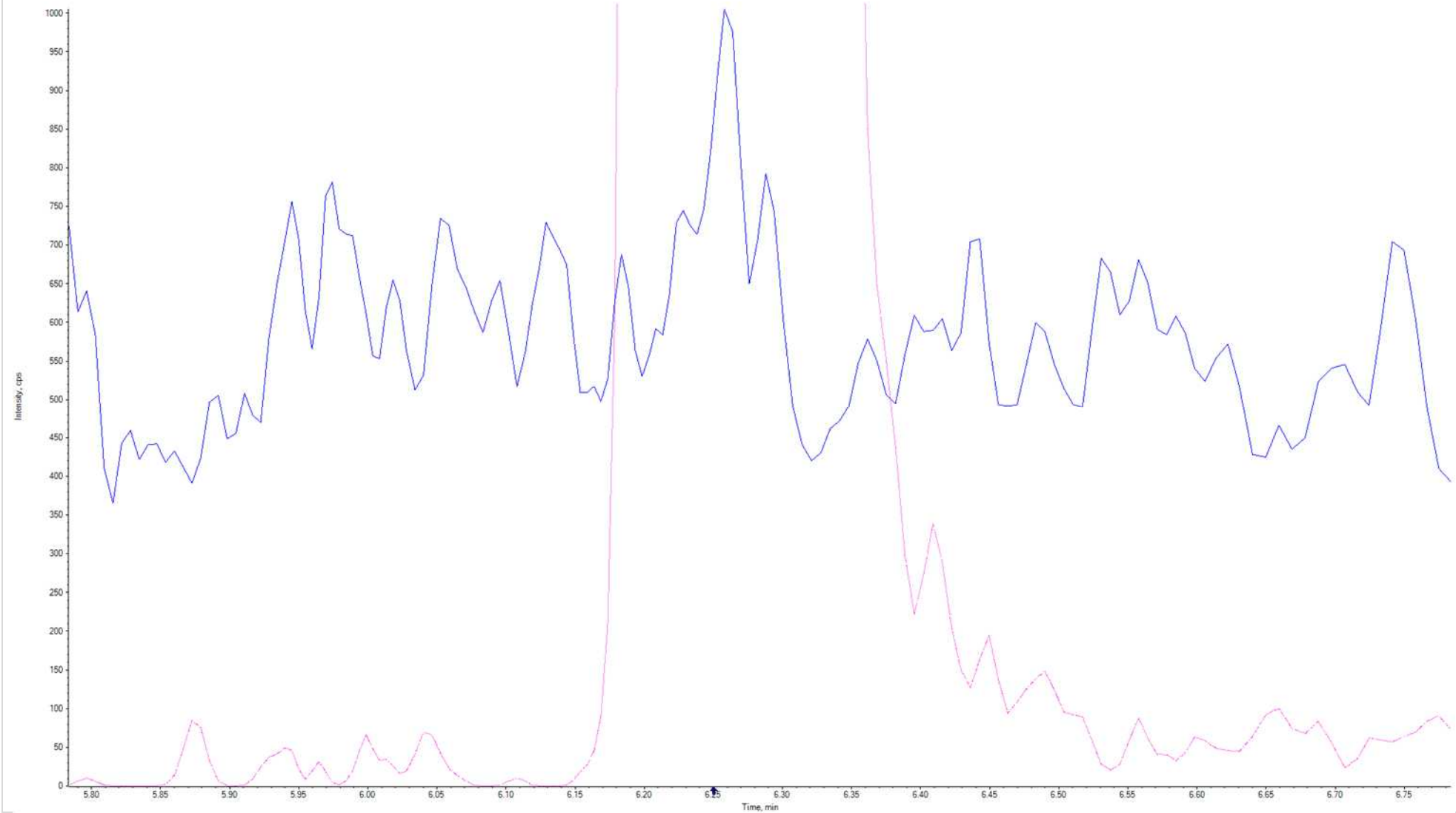

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PFHpA_2
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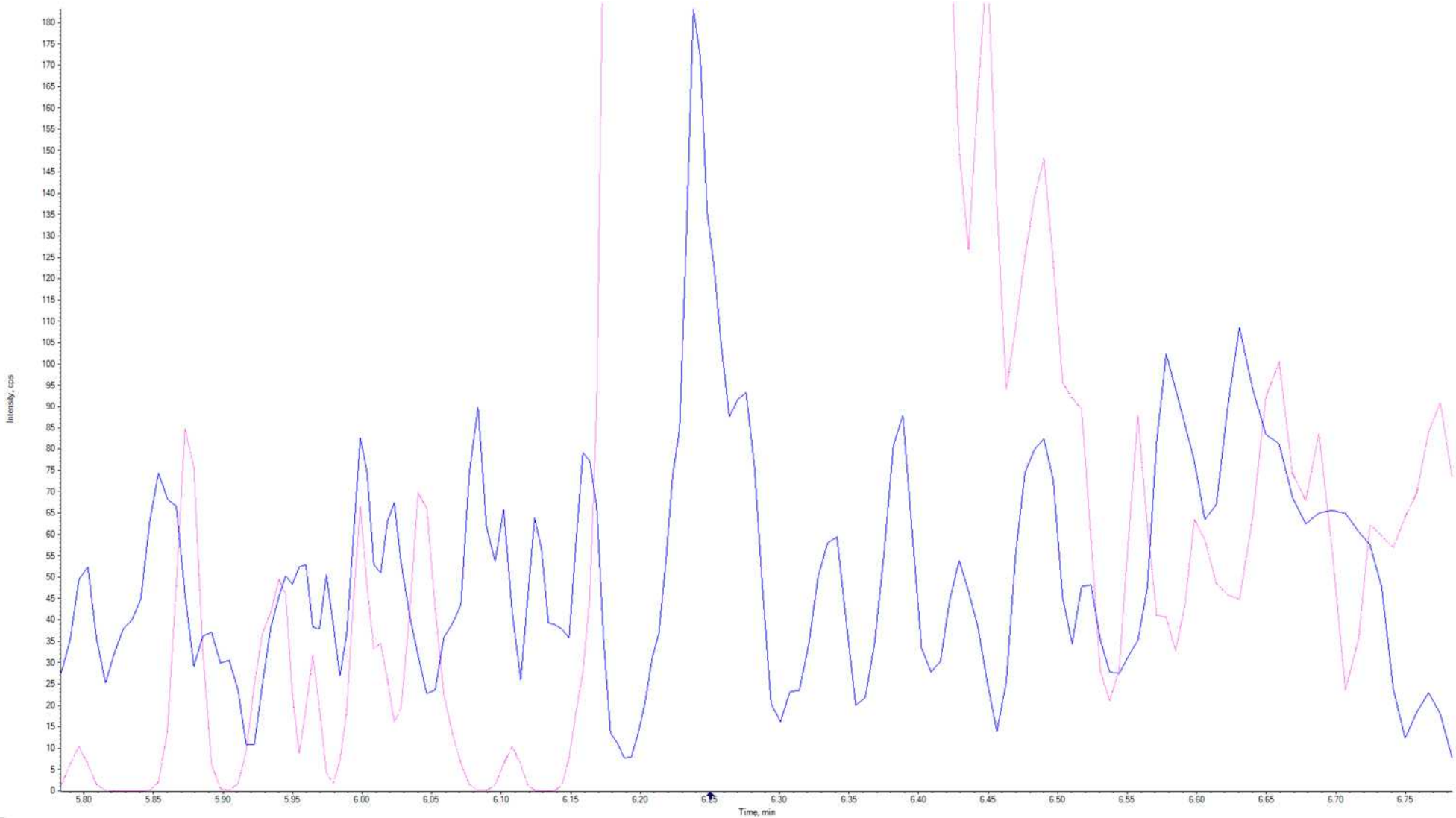

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PFOA
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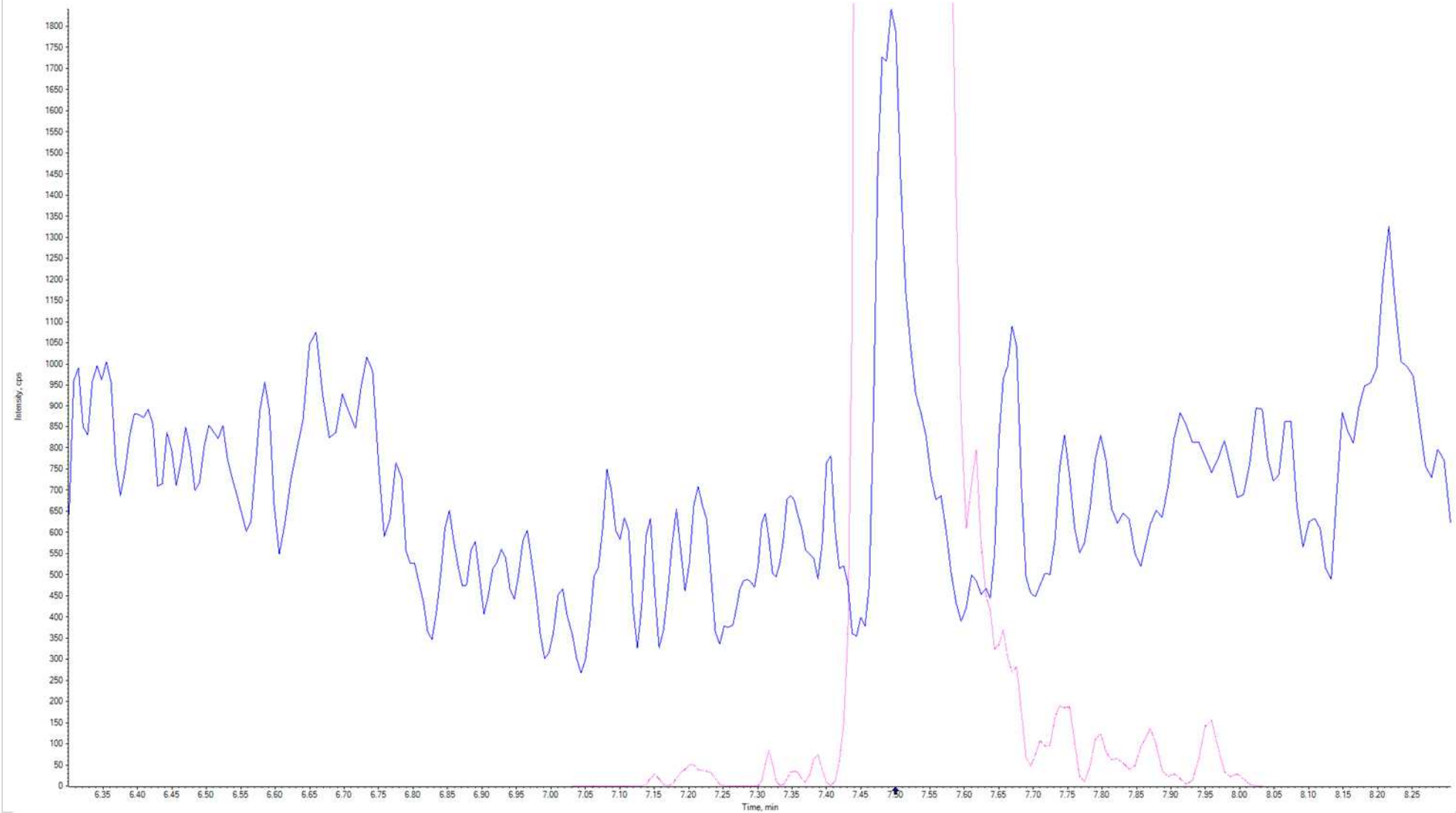

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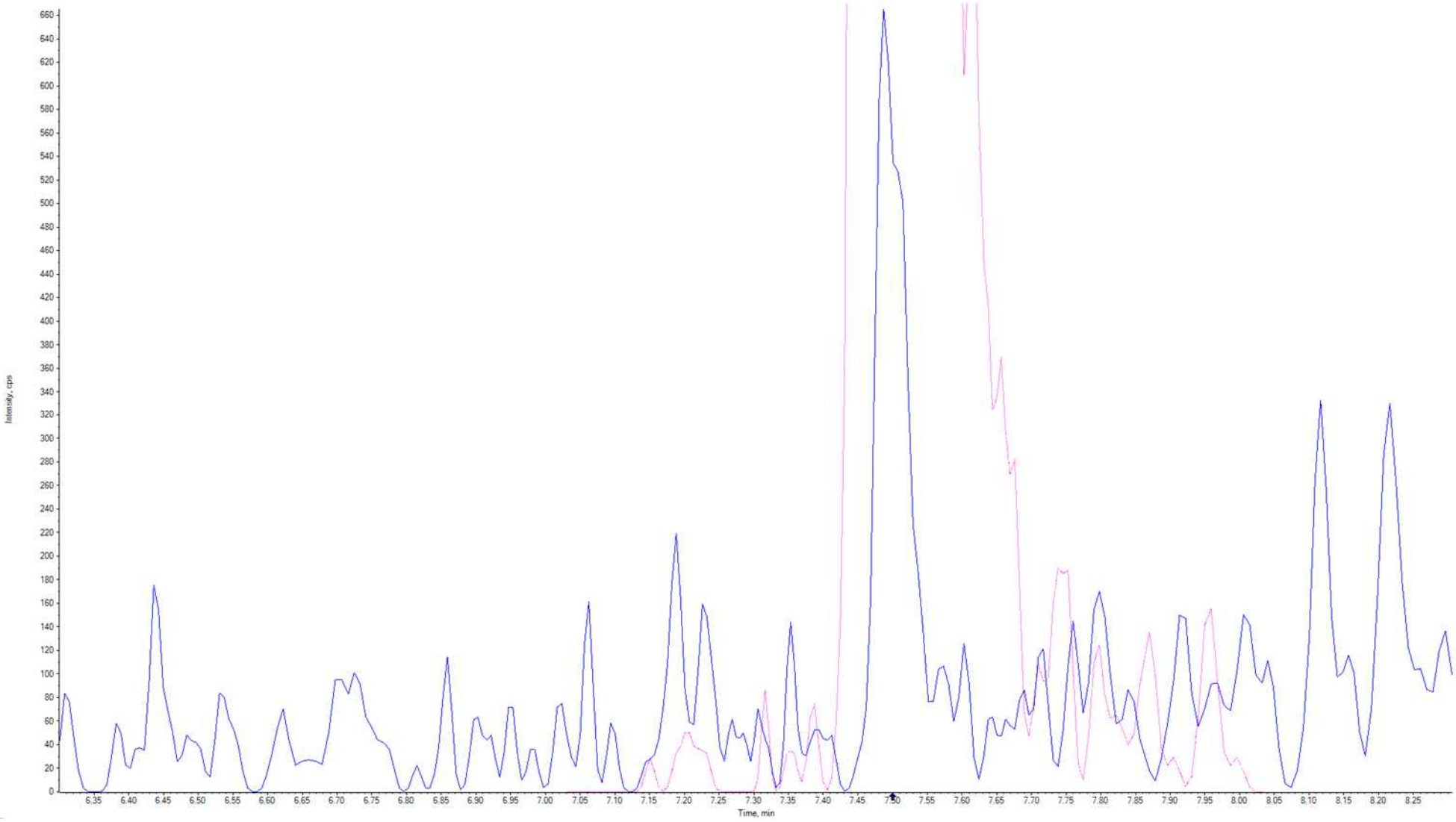

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PFNA
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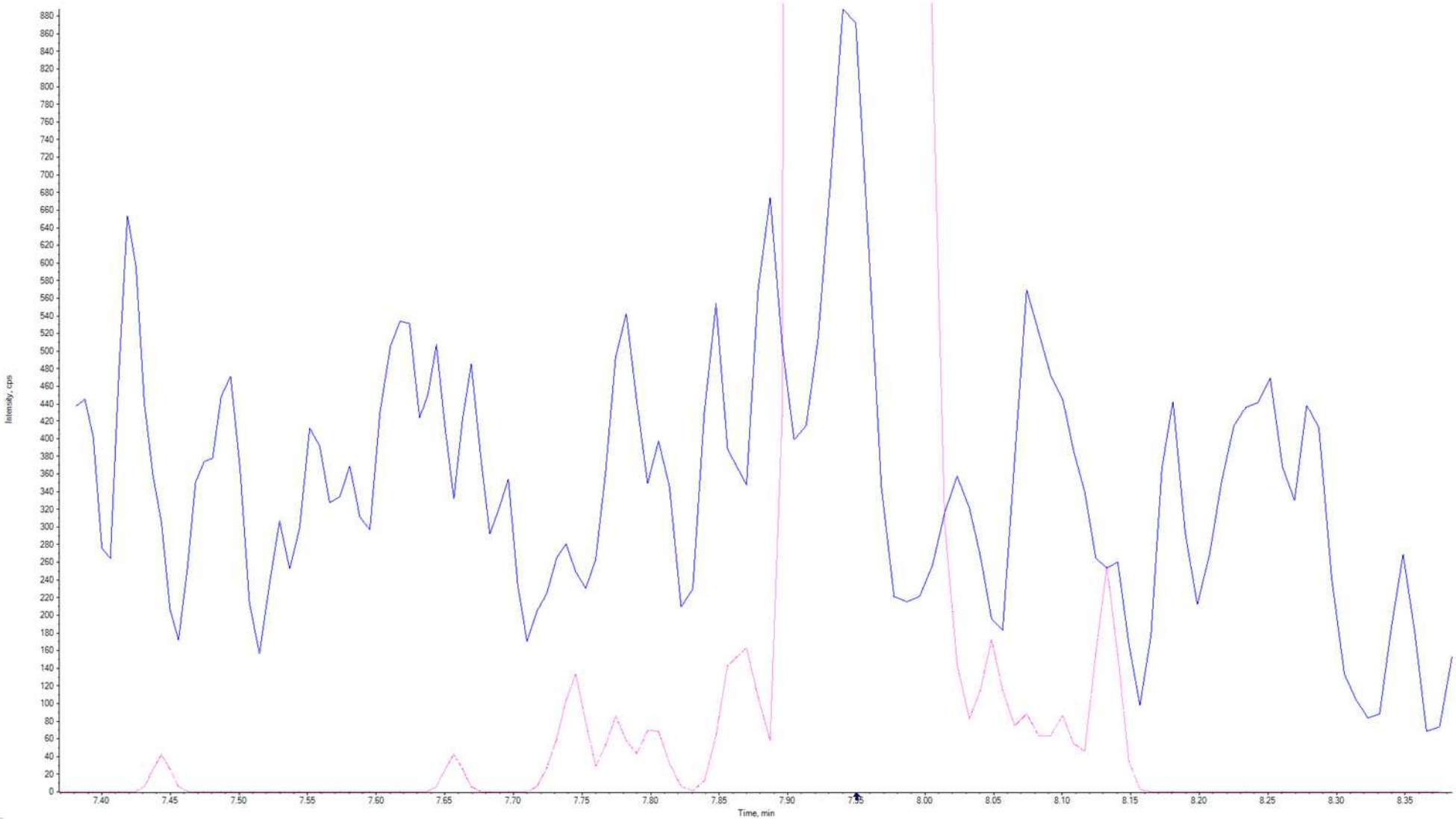

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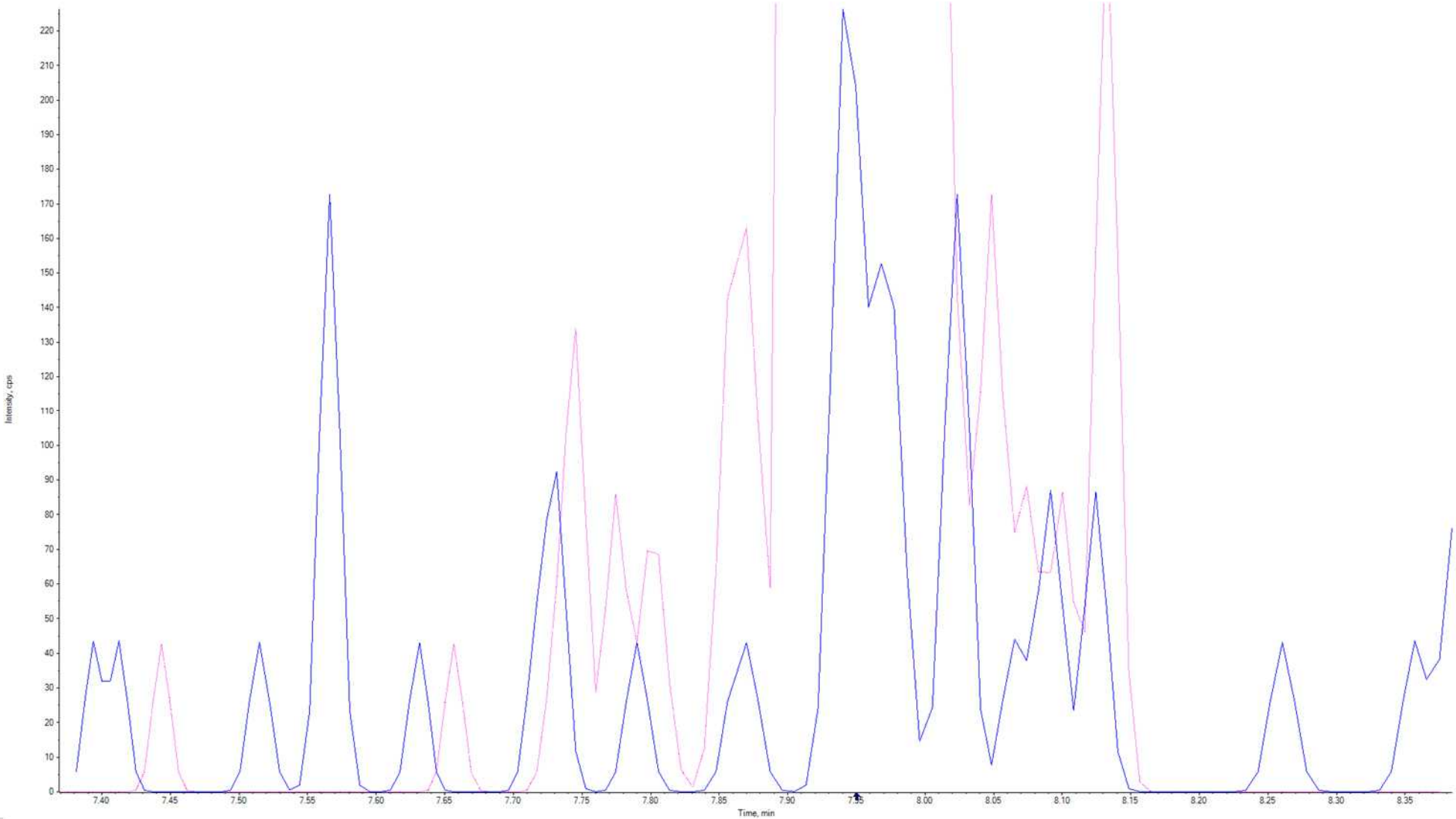

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PFDA
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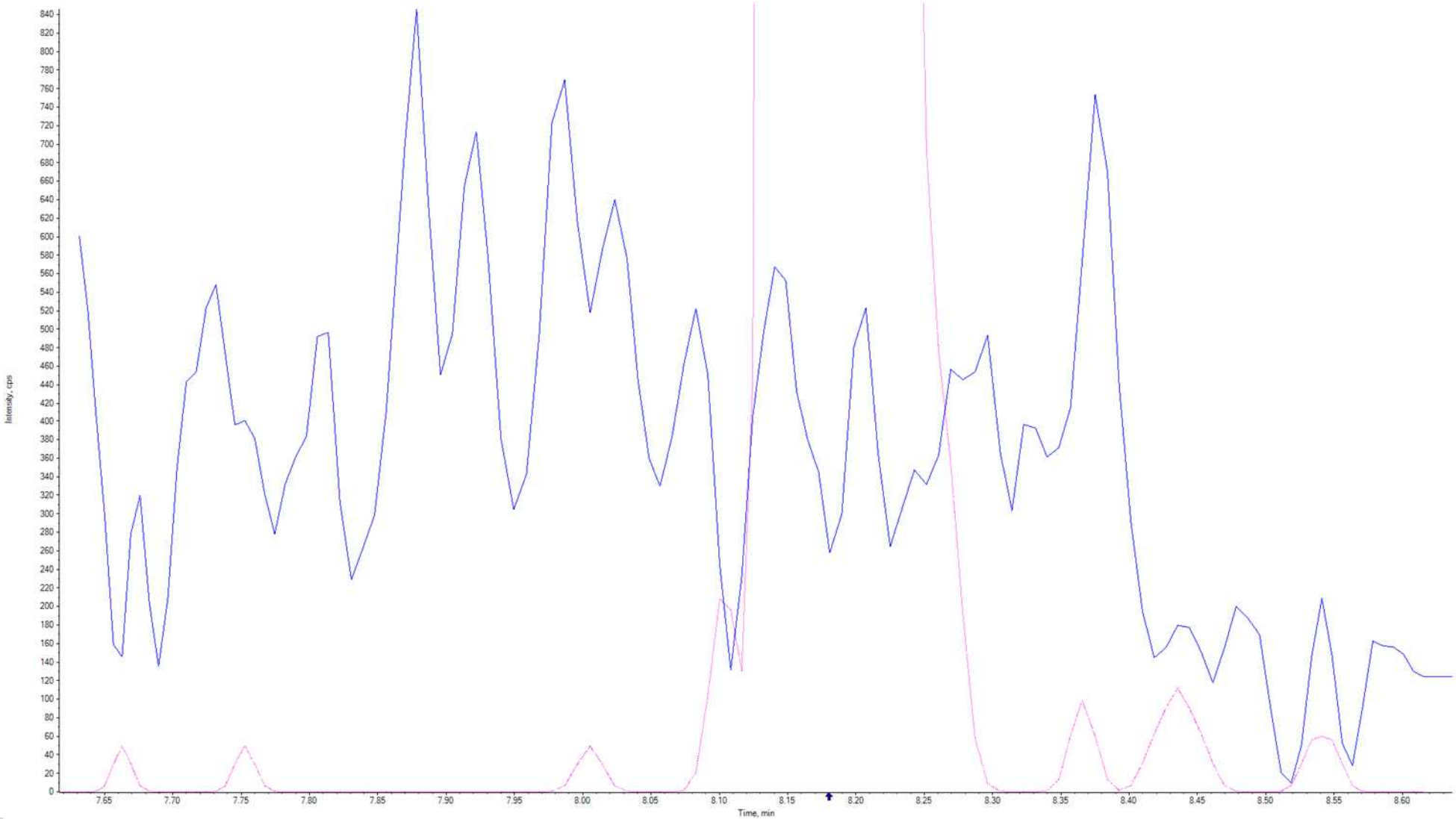

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PFDA_2
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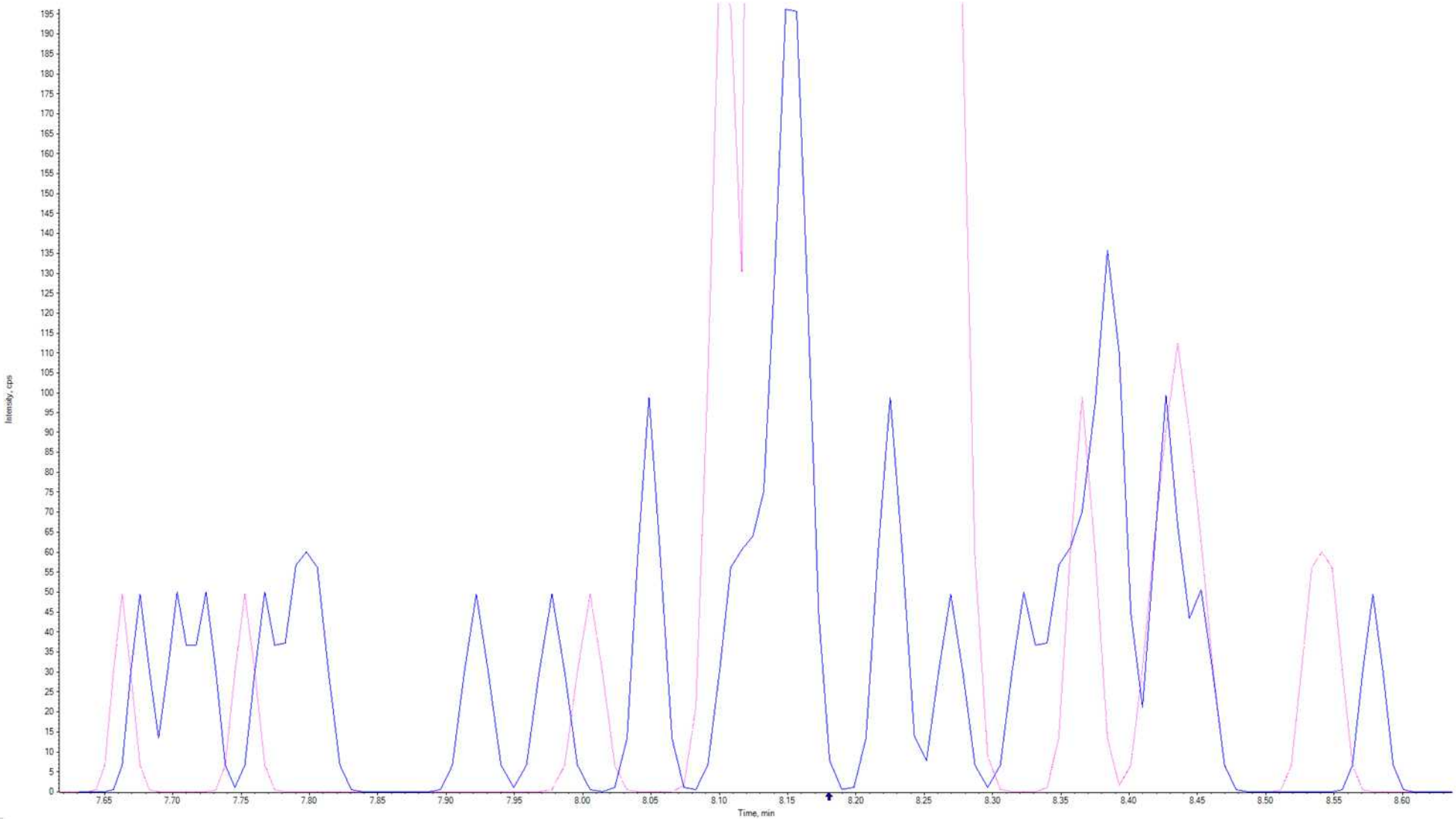

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PFUnA
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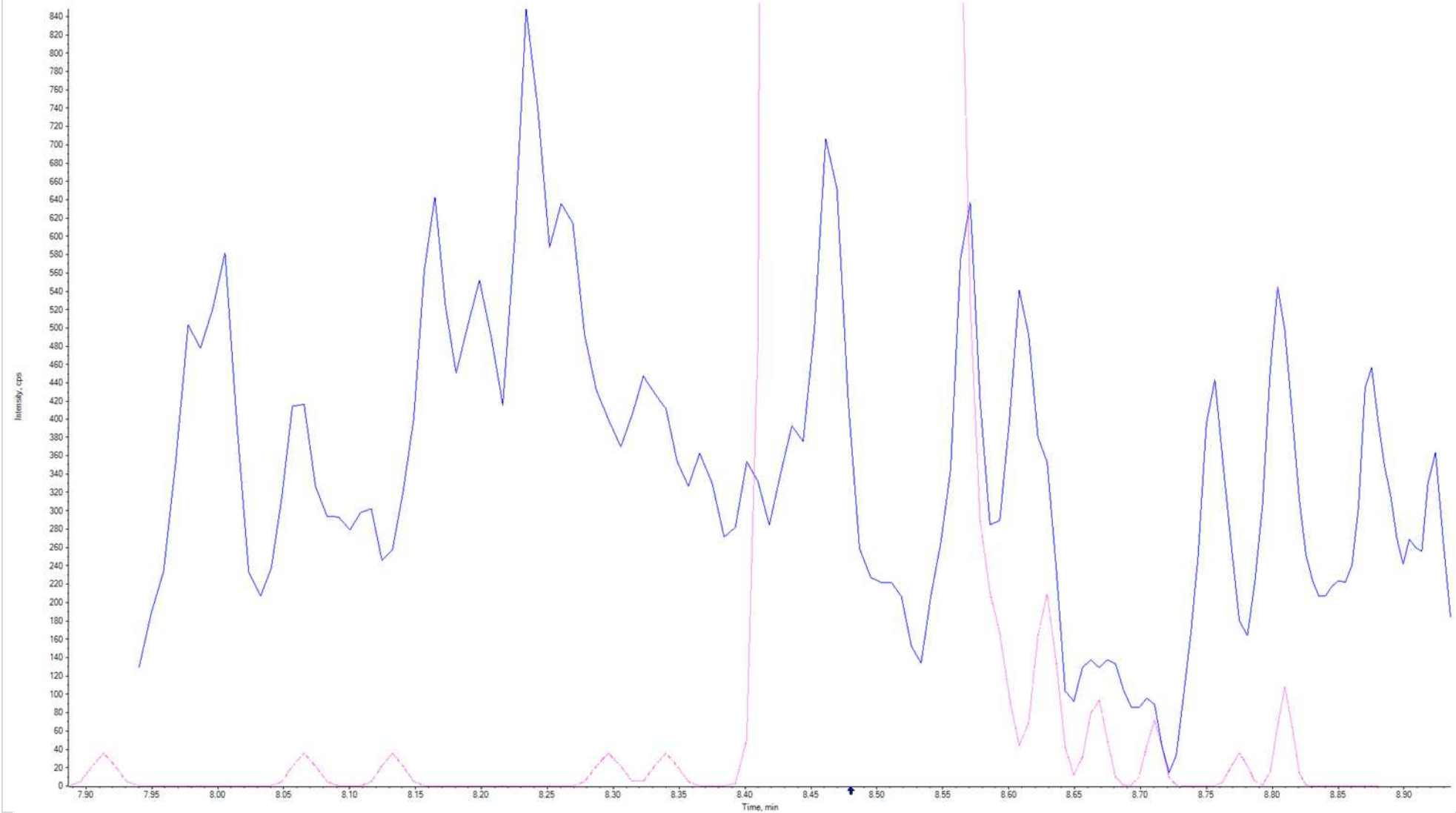

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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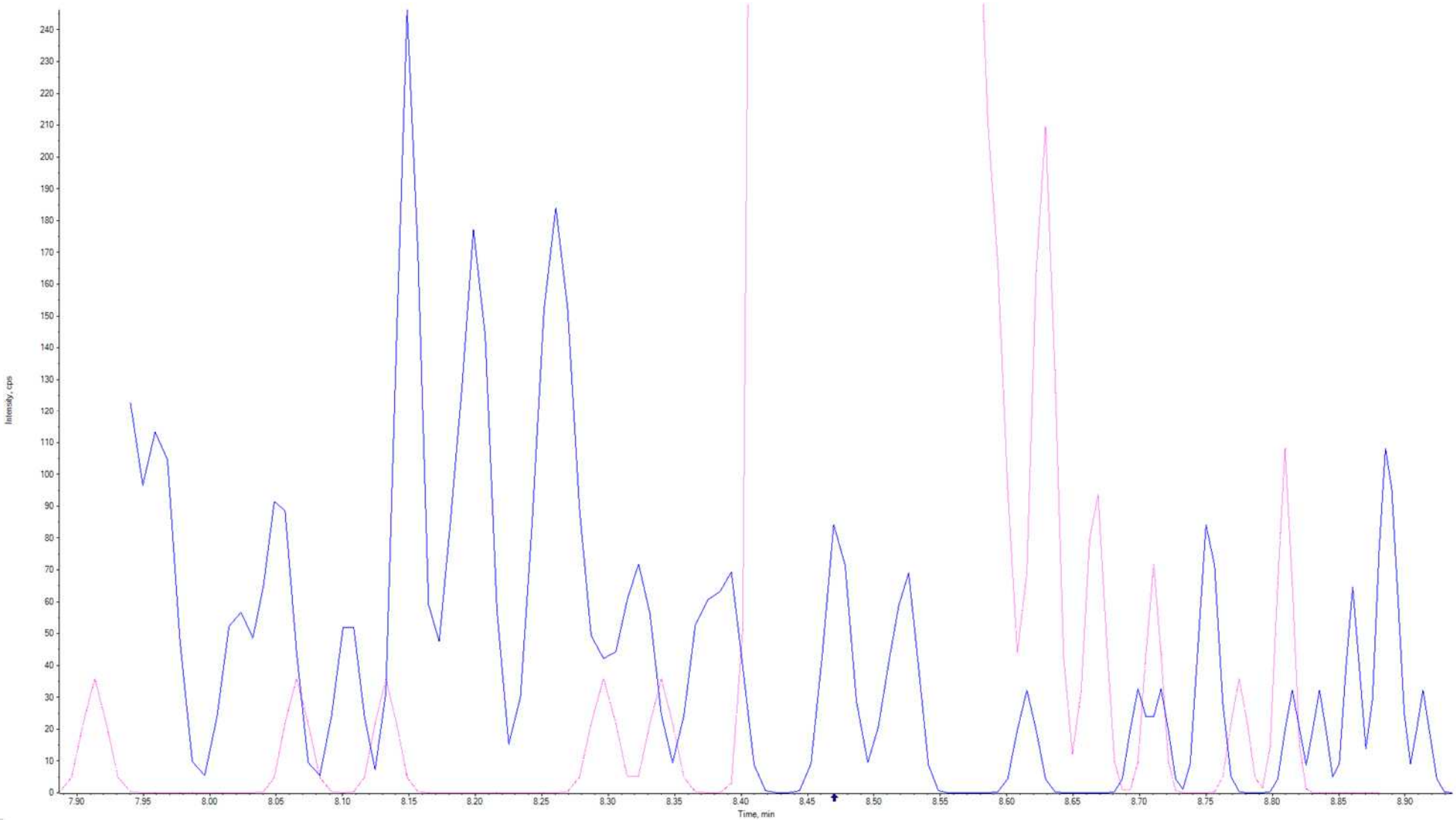

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PFDoA
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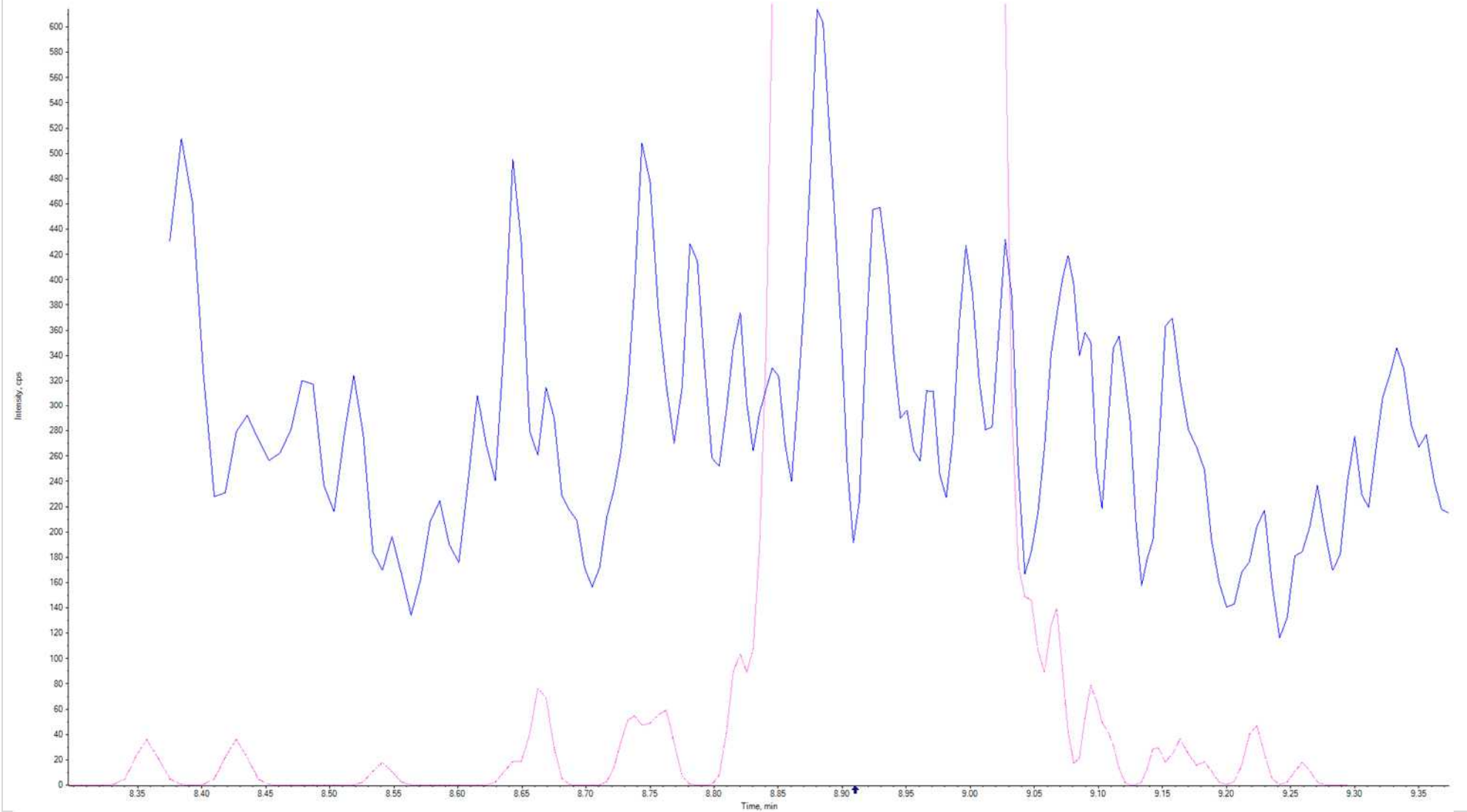

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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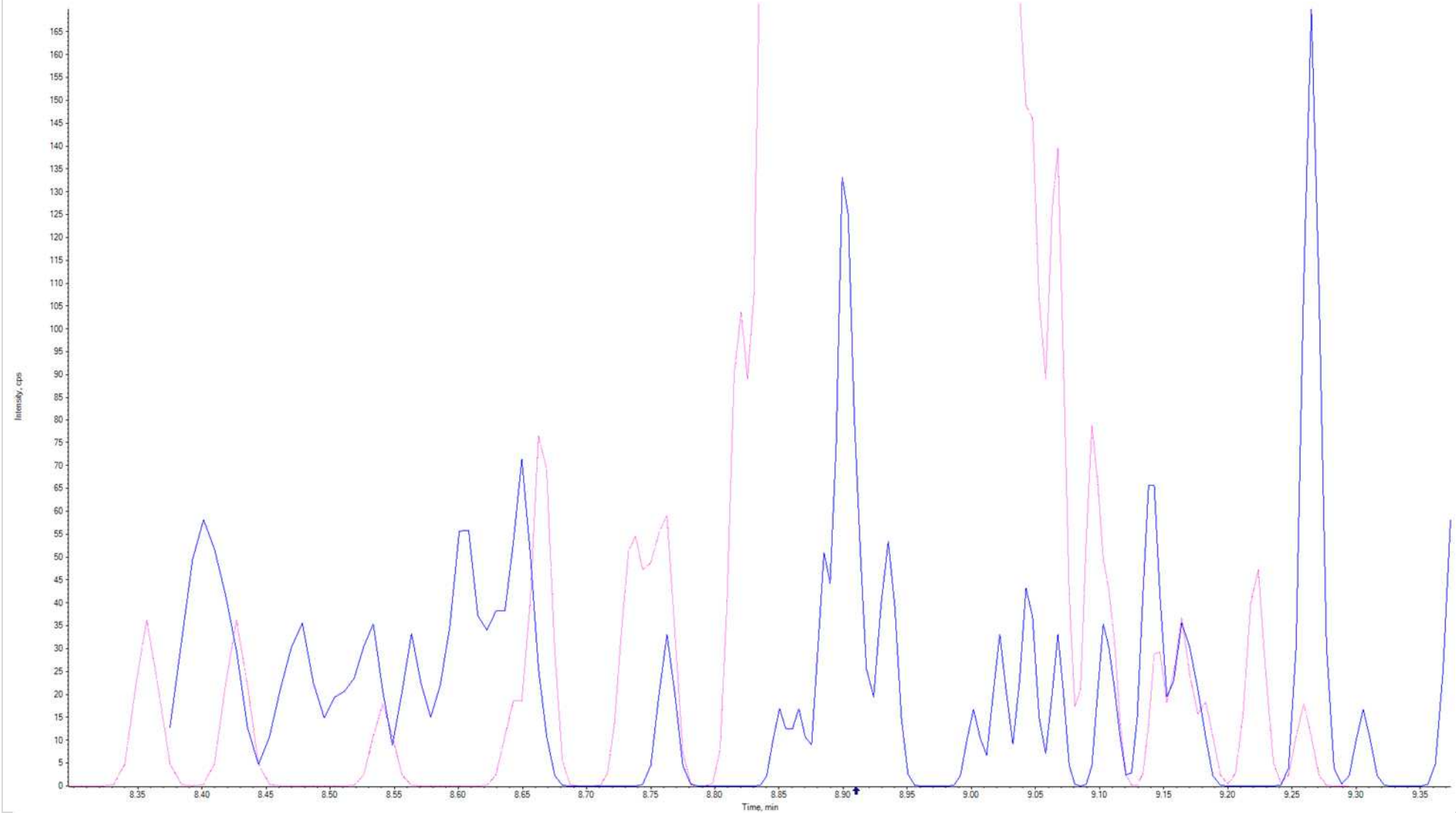
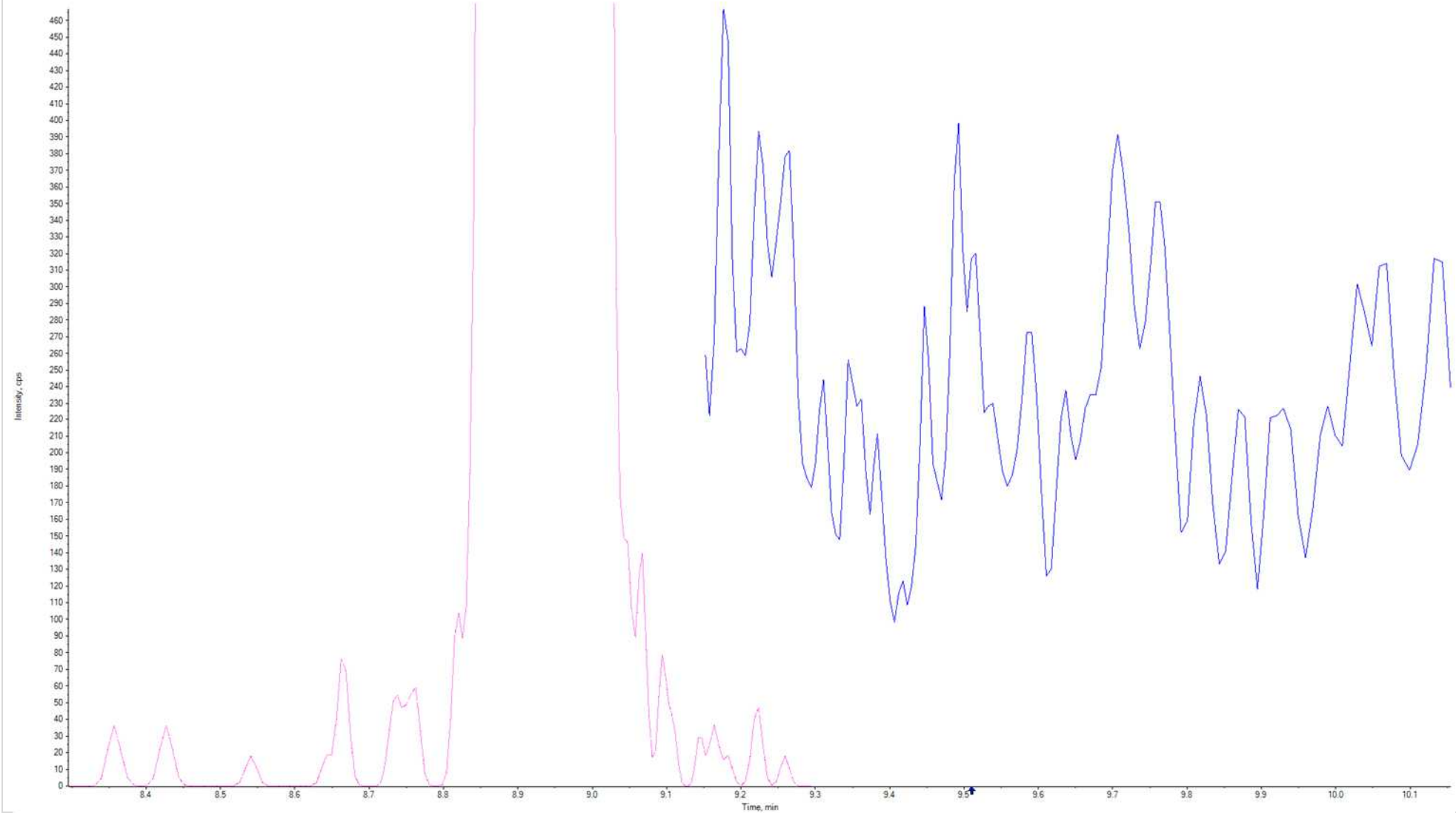


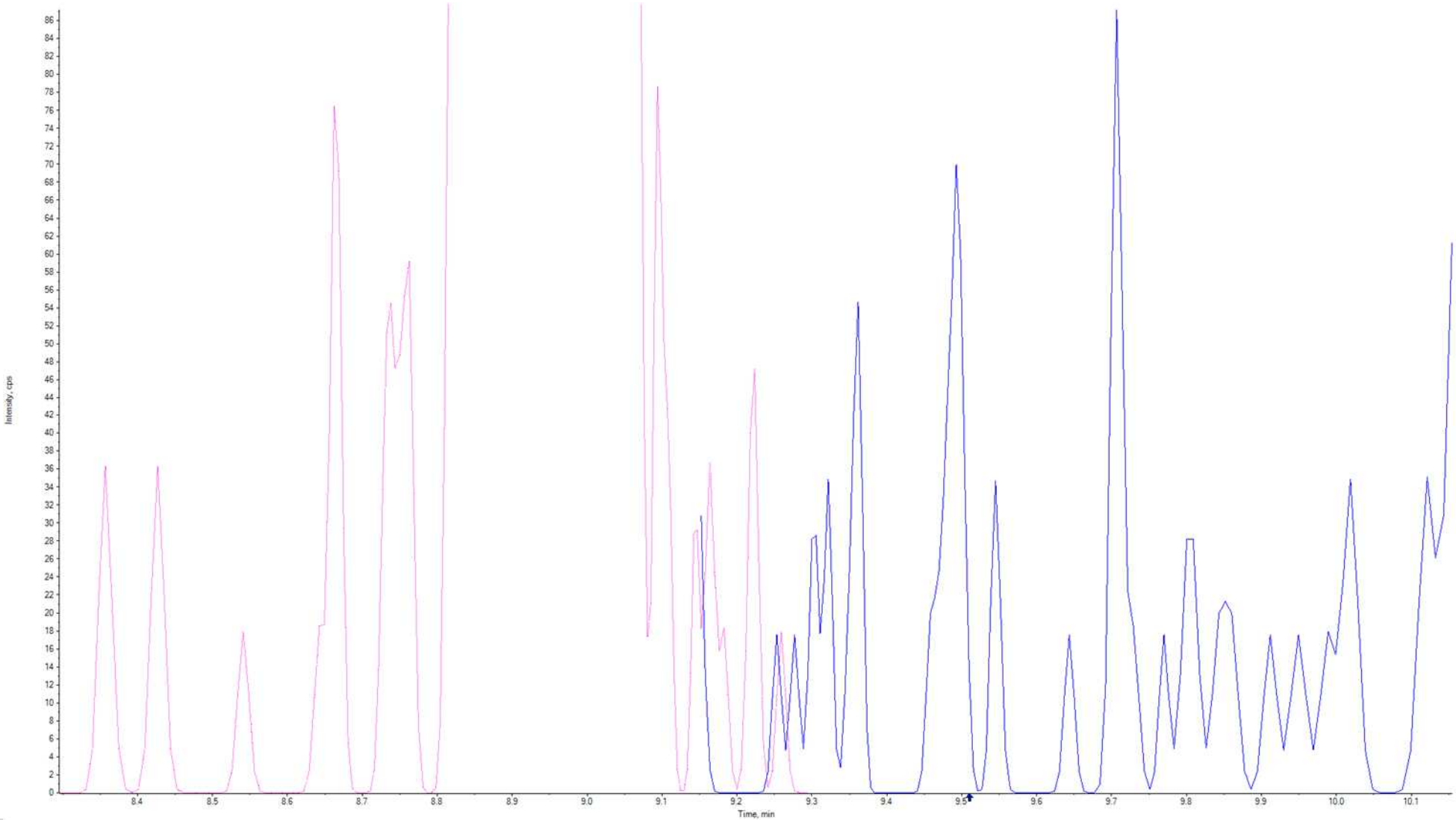
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTrDA_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA
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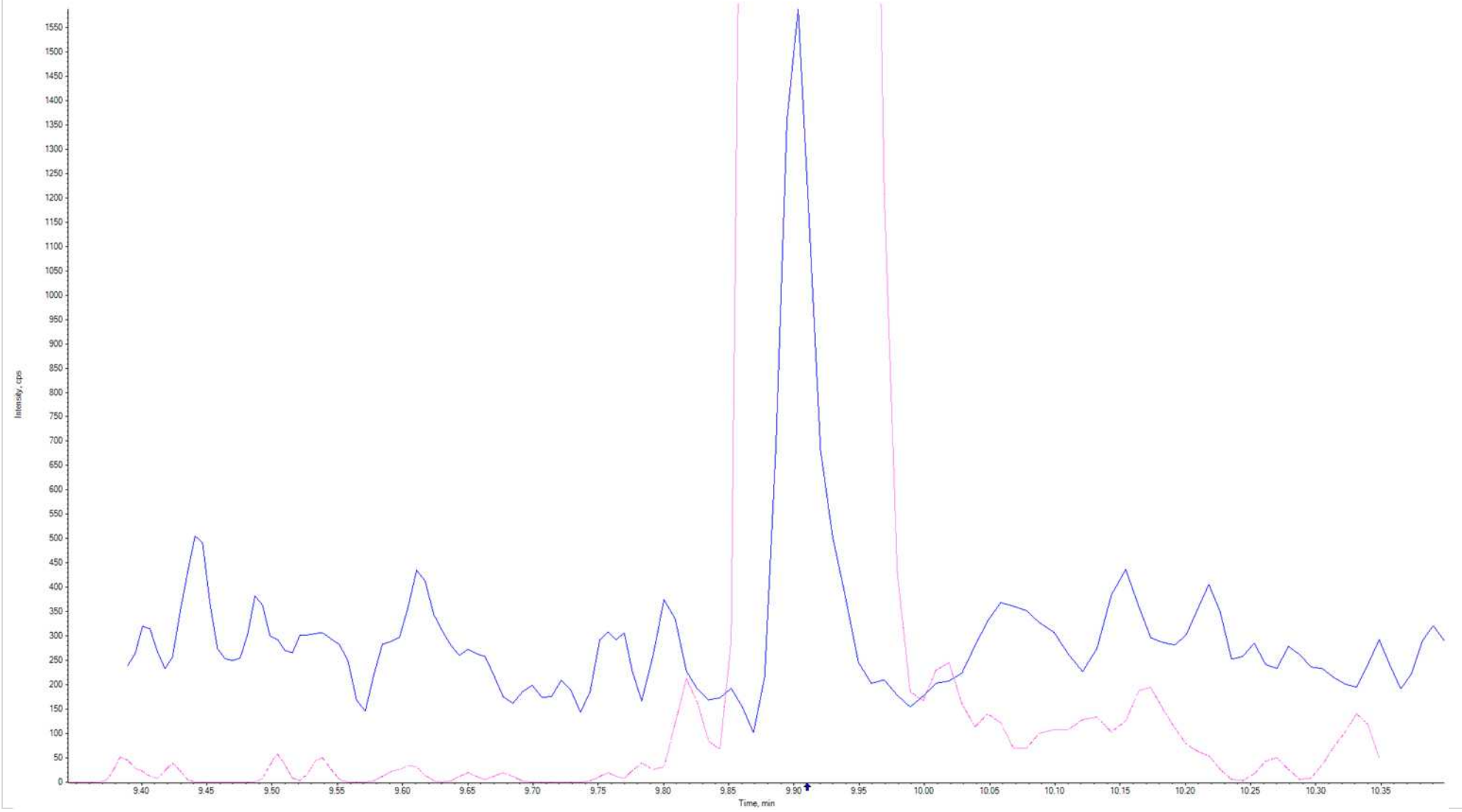

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFTeDA_2
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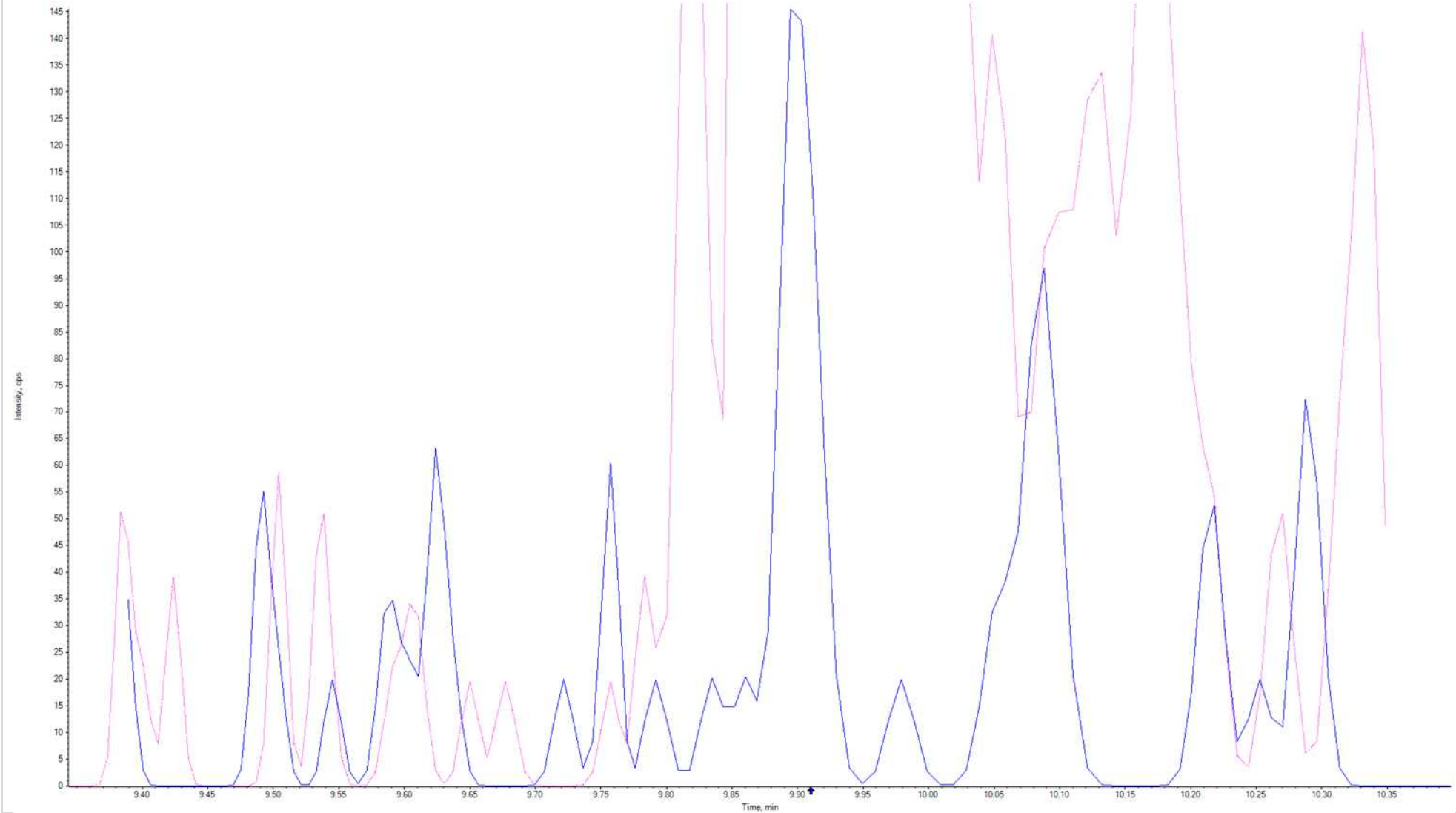

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFBS
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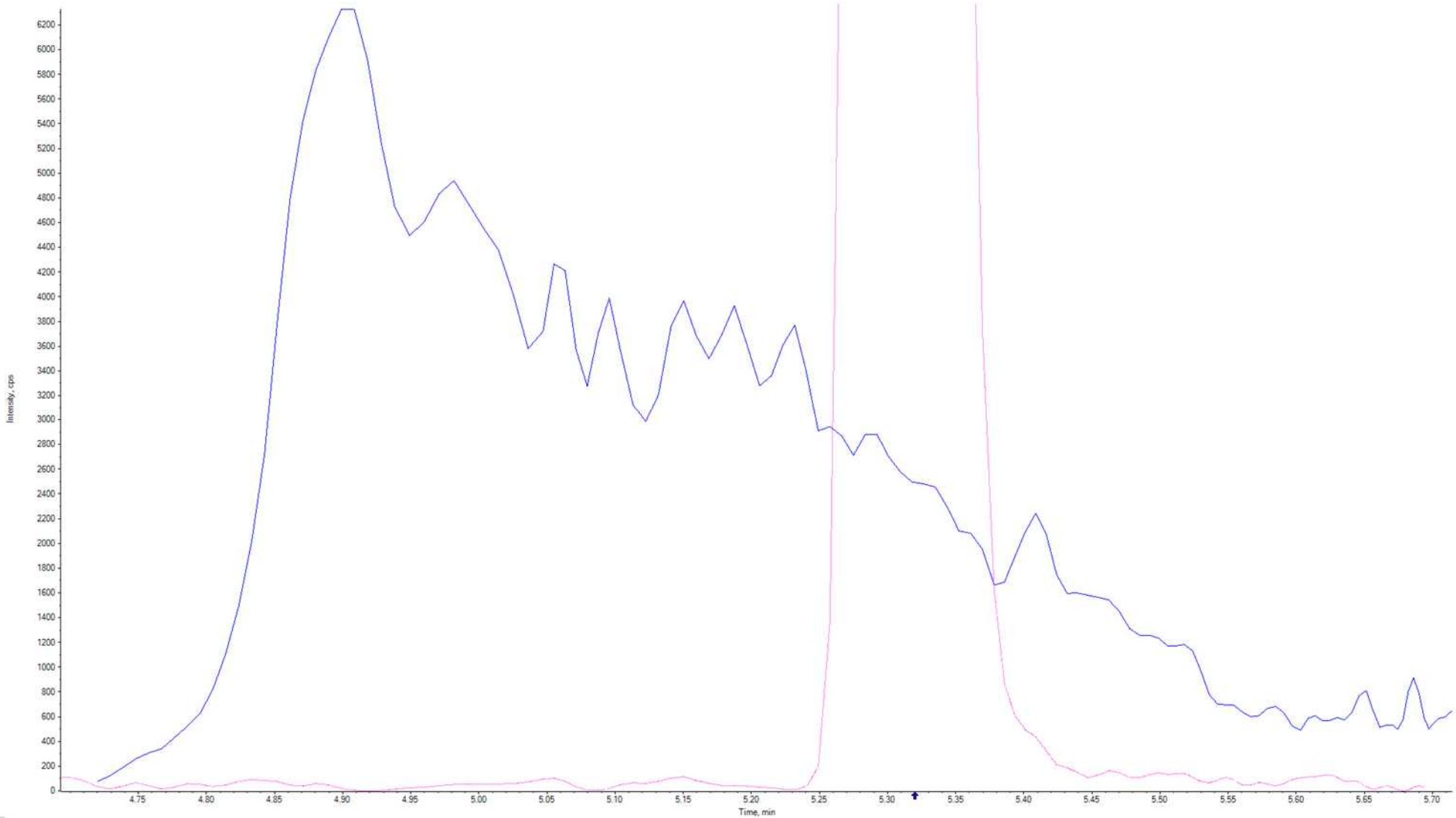

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
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PFBS_2
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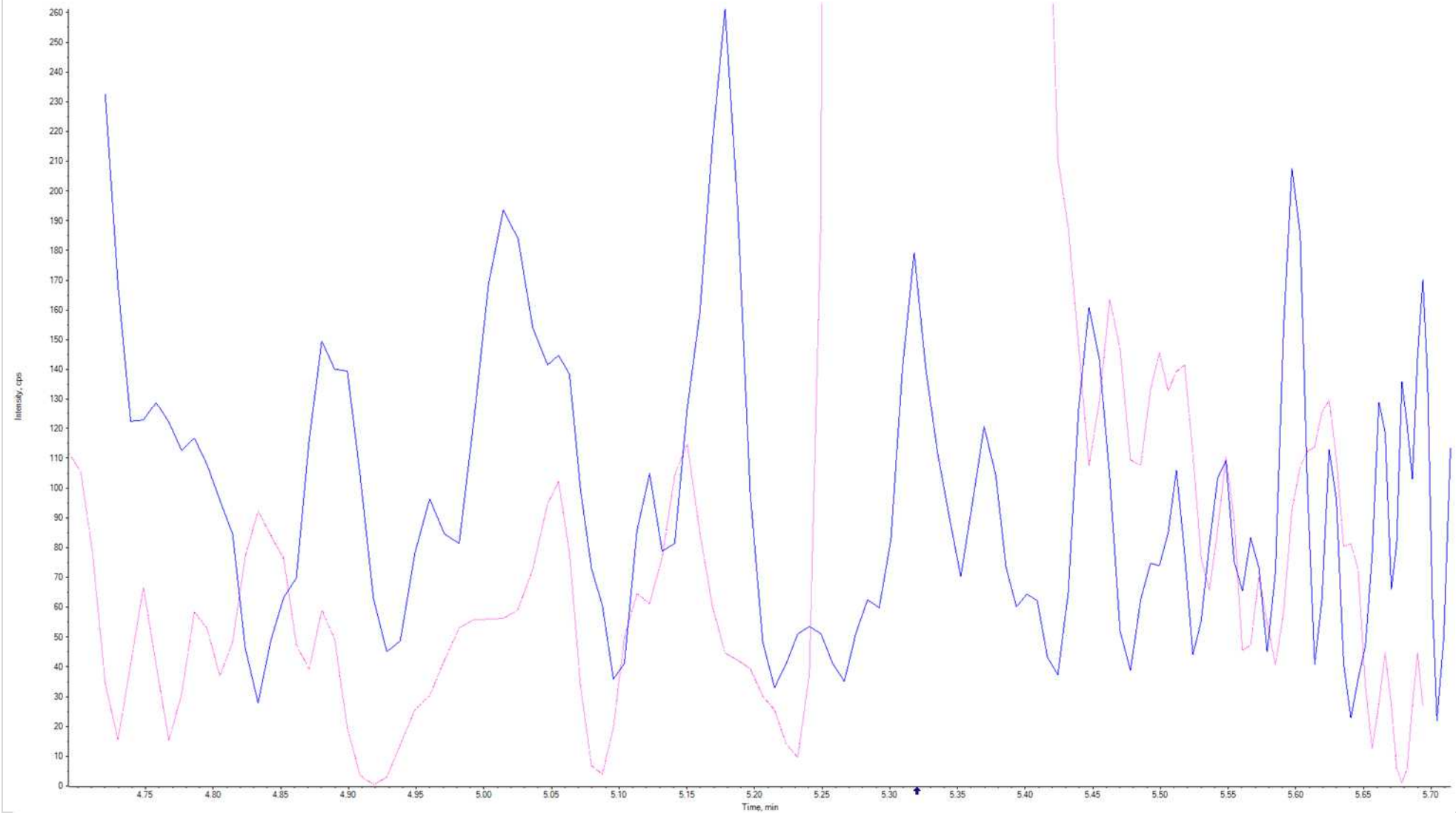

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS
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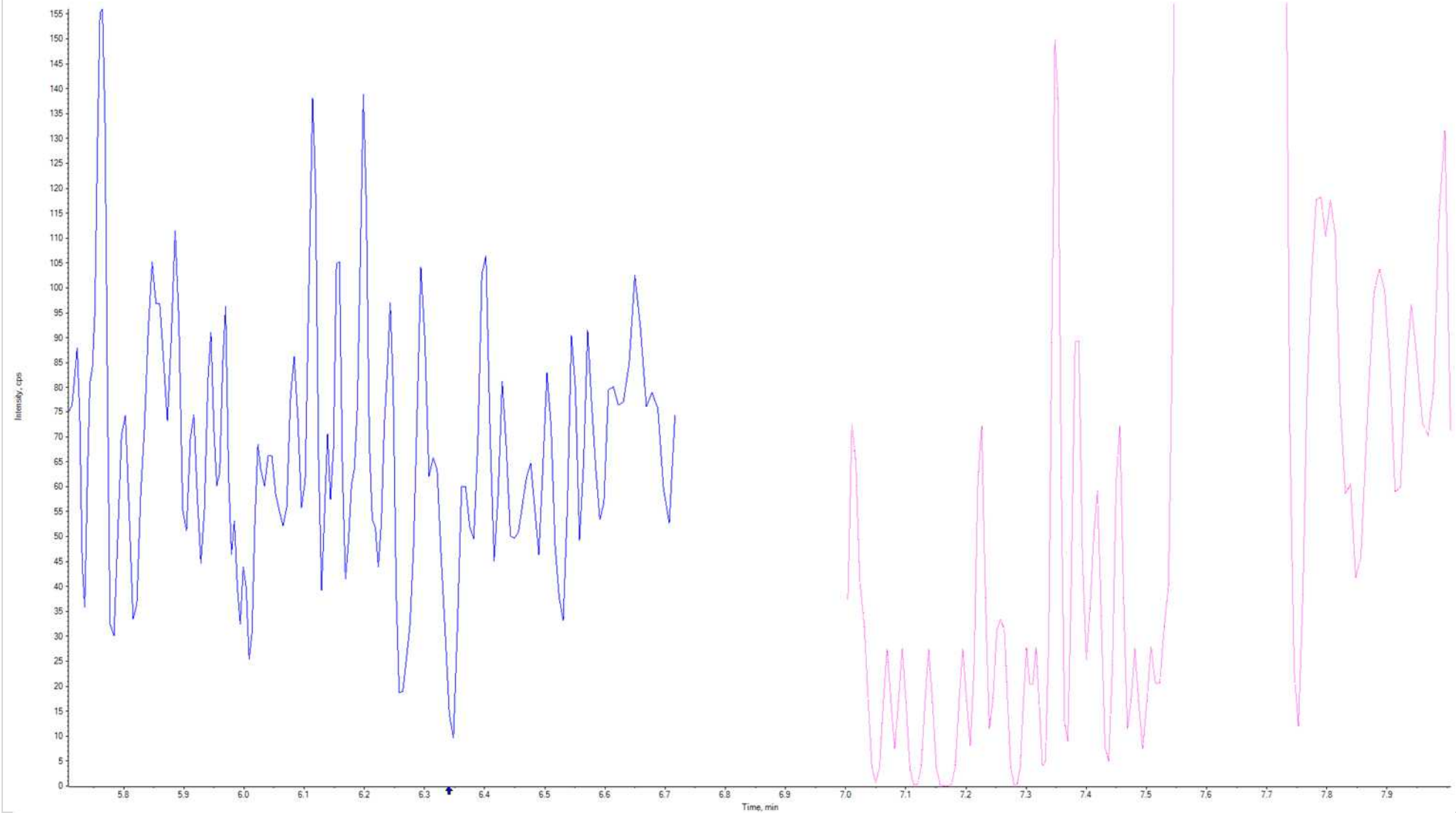

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFPeS_2
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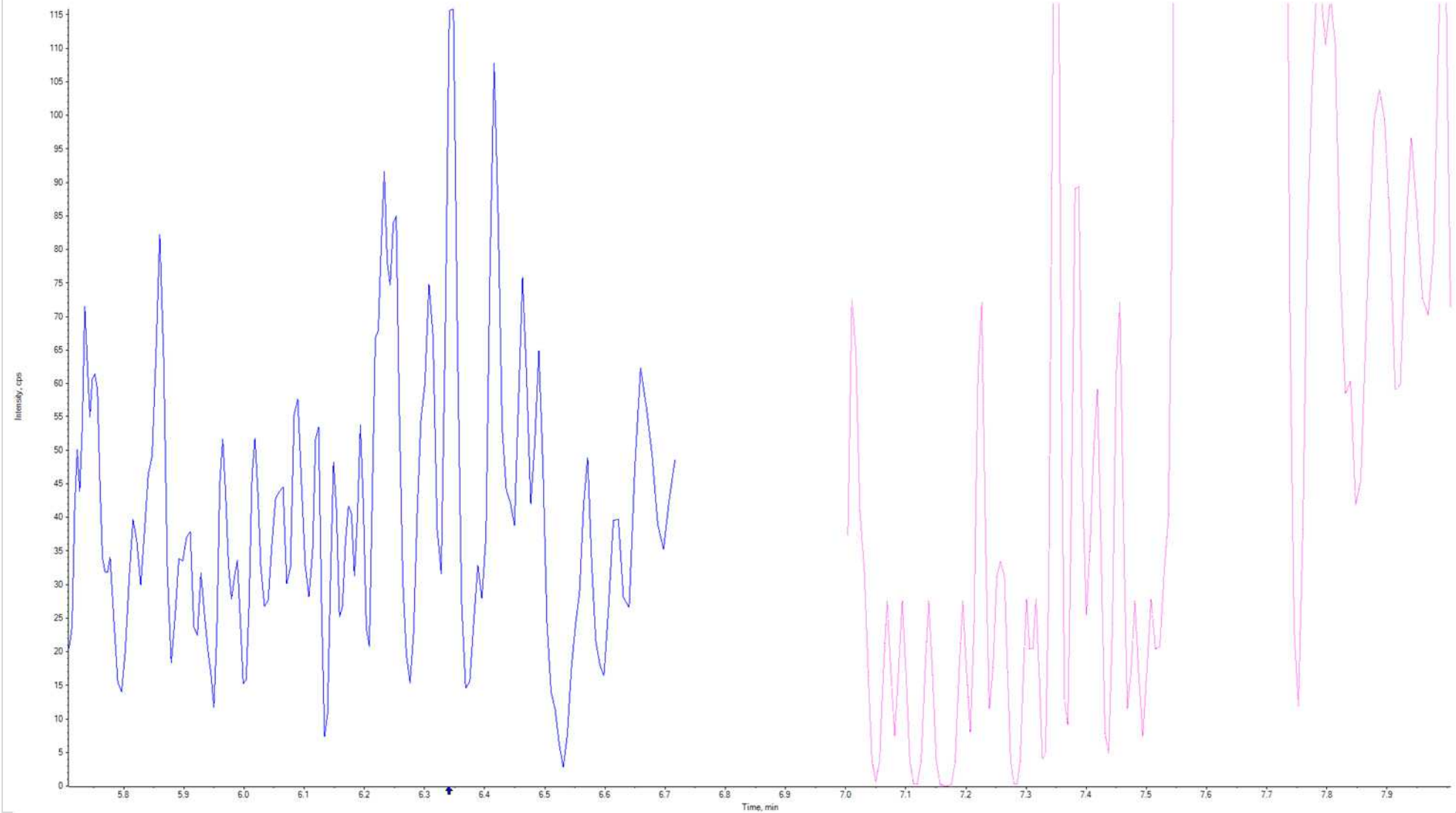
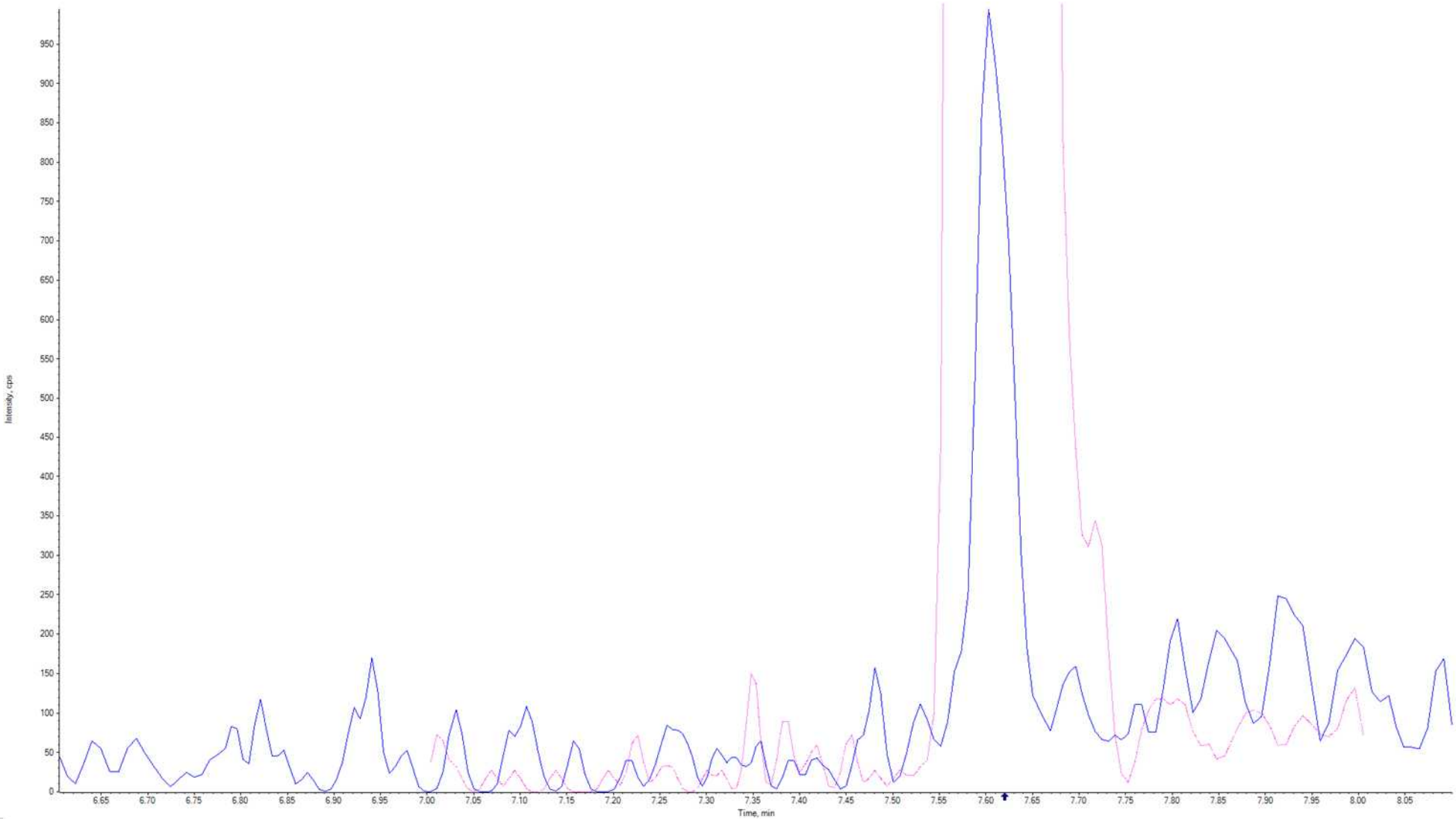


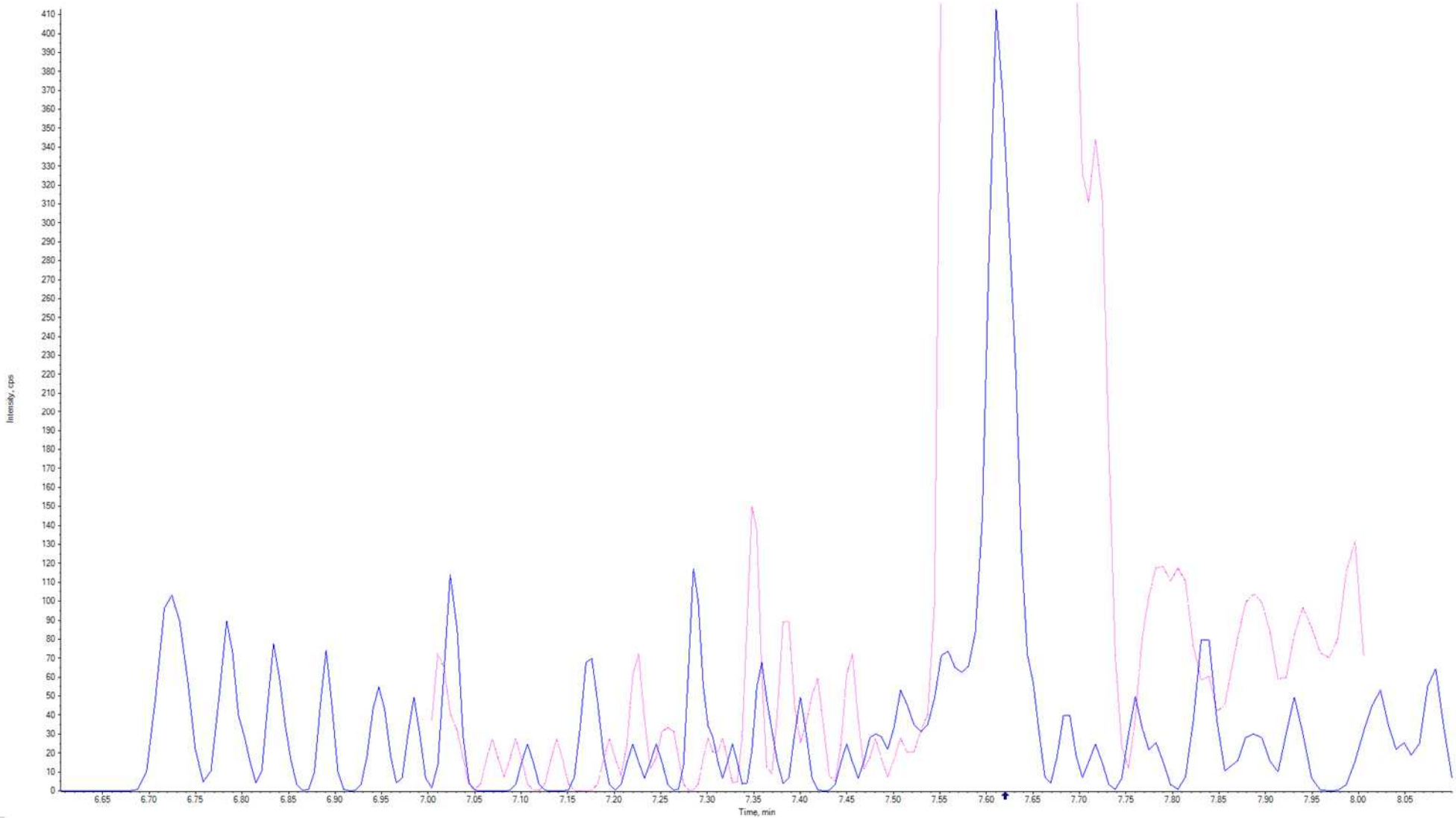
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHxS_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS
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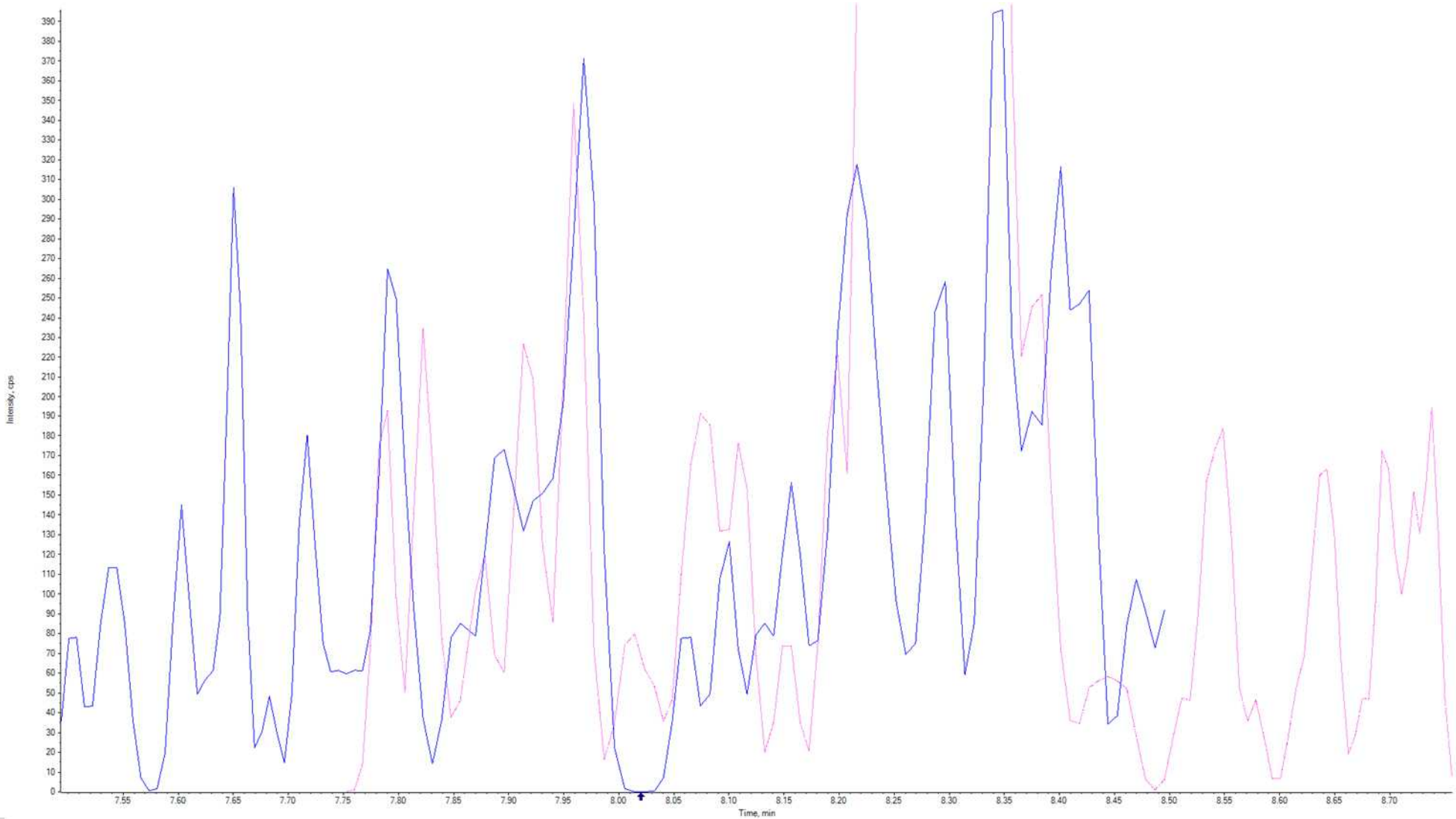

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFHpS_2
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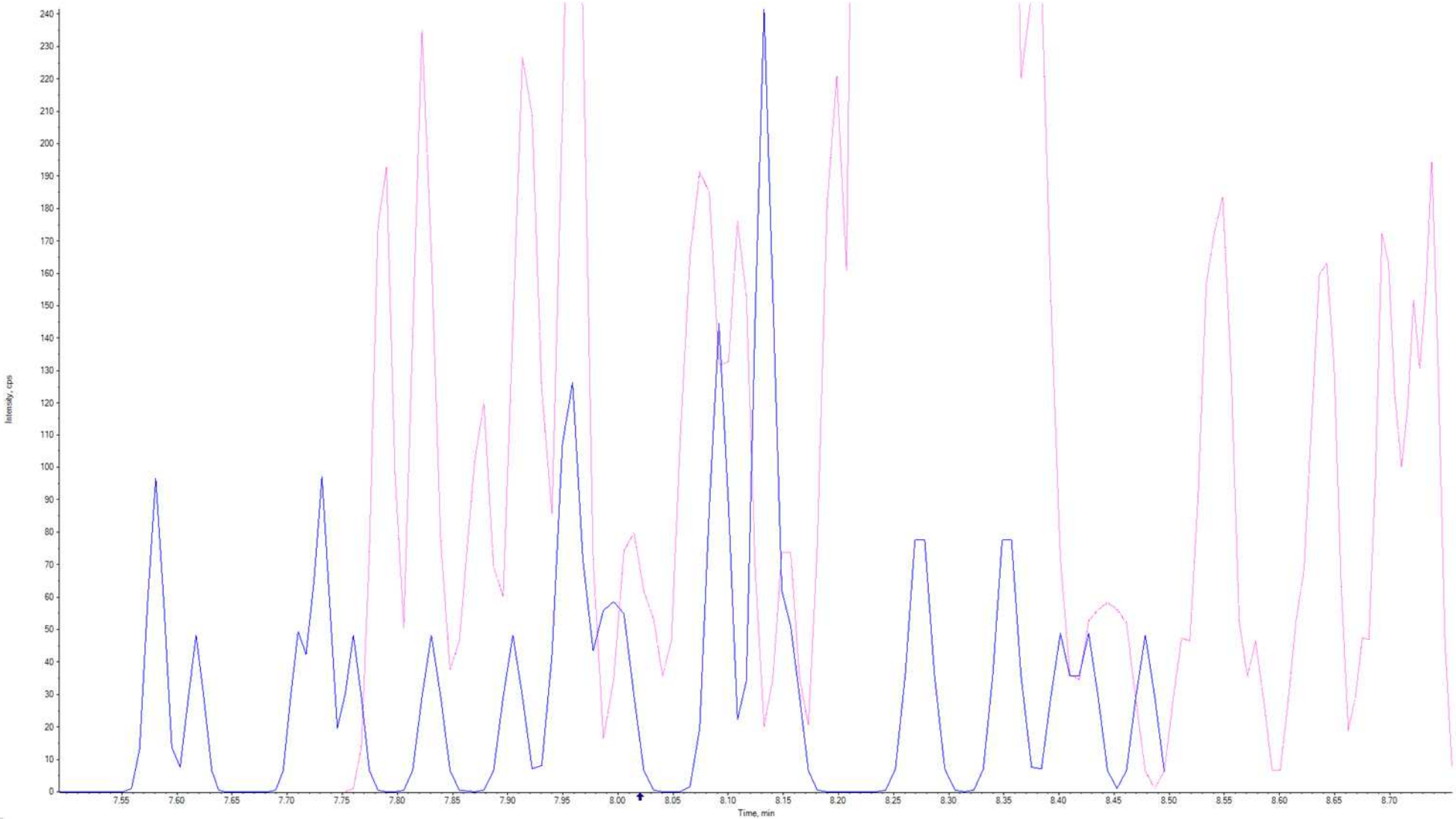

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS
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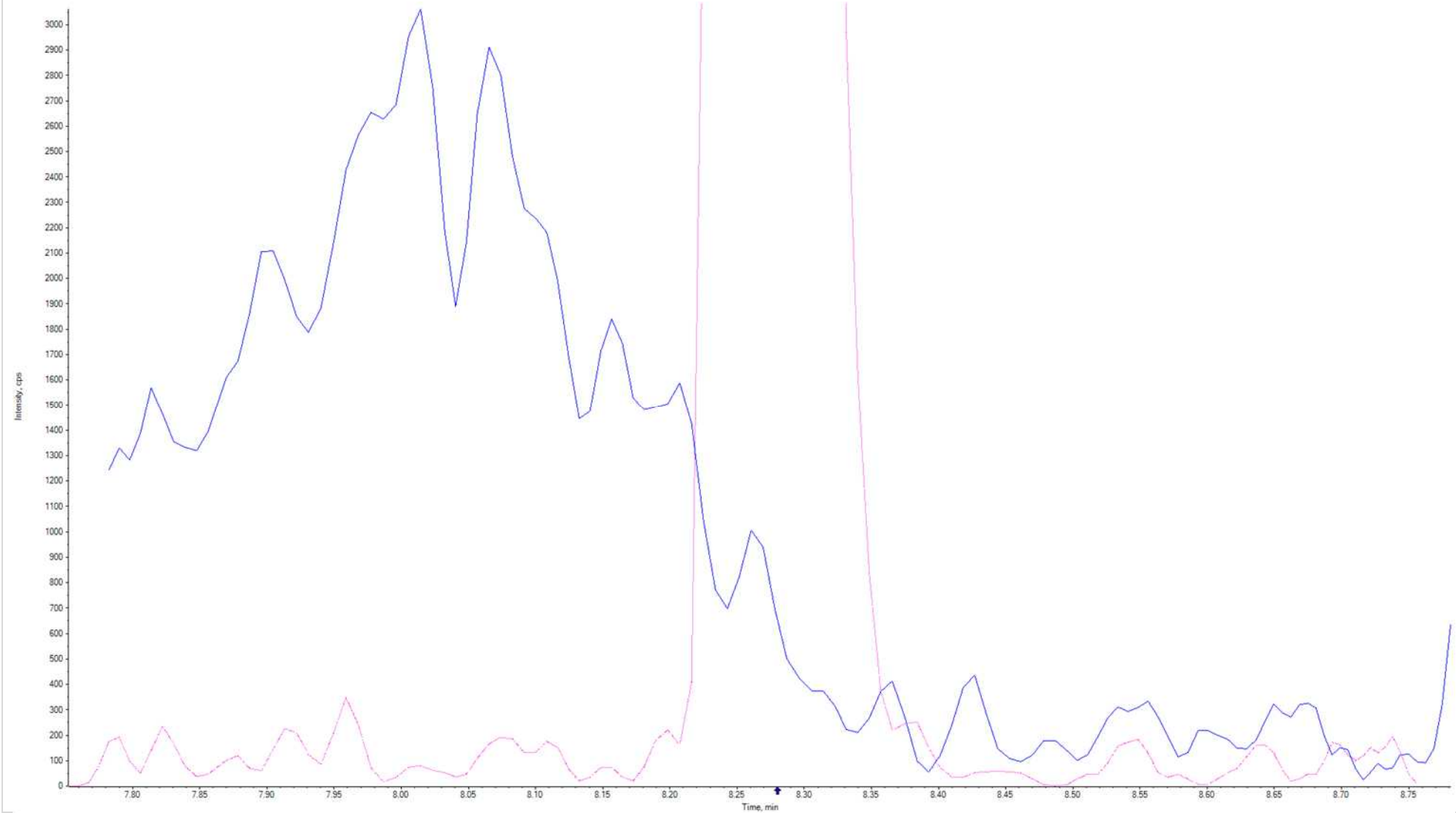

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOS_2
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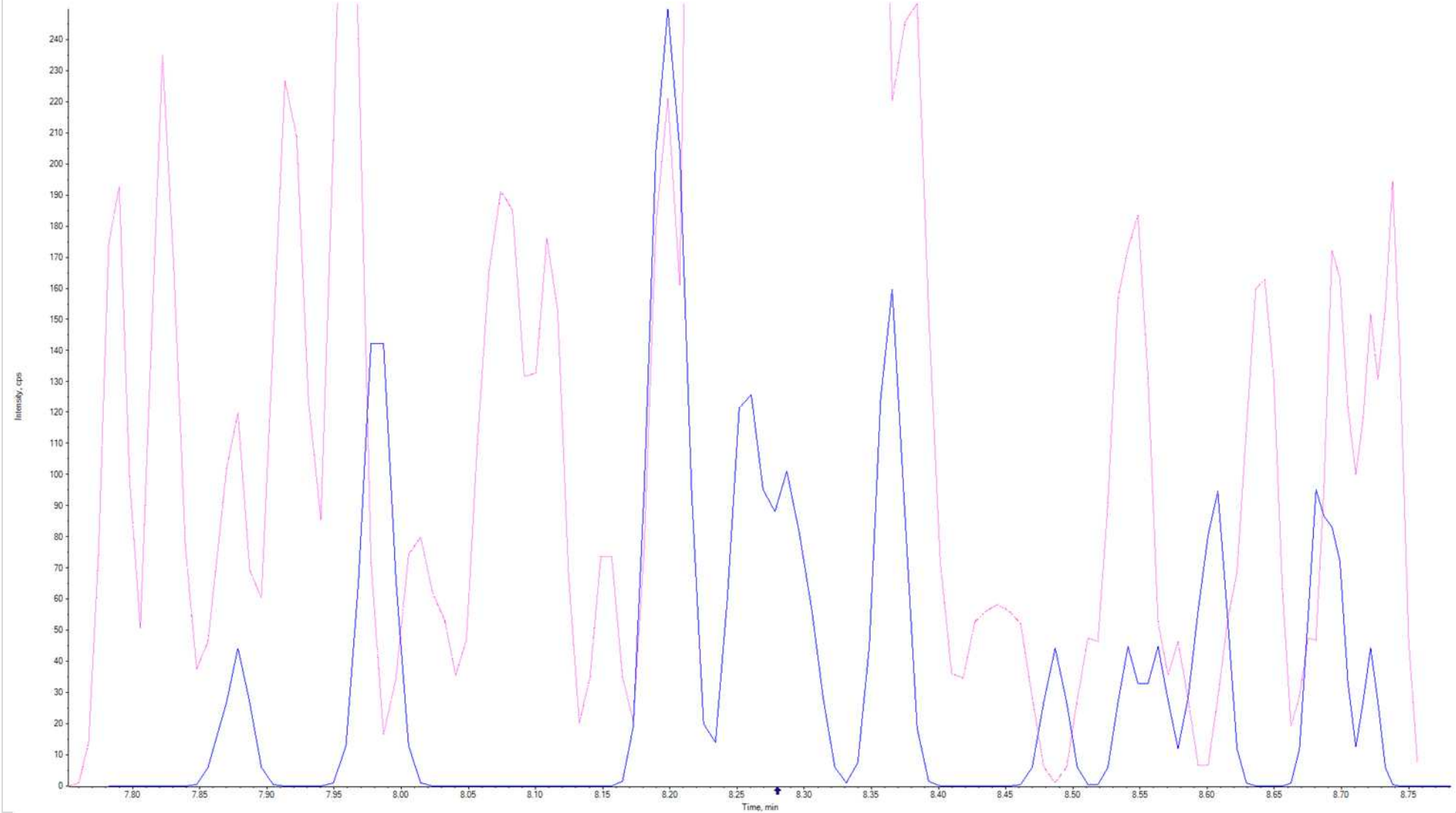

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS
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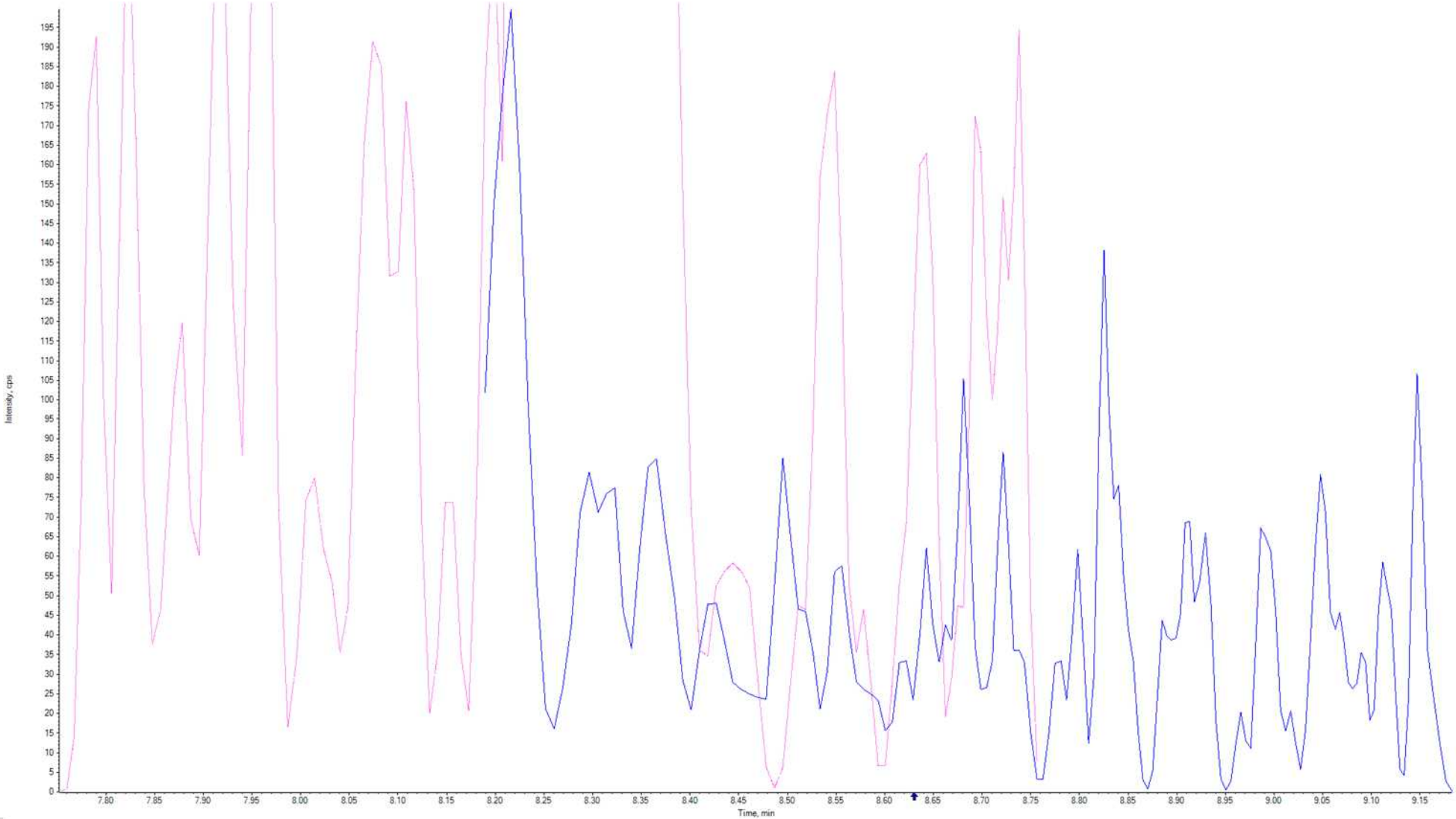

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFNS_2
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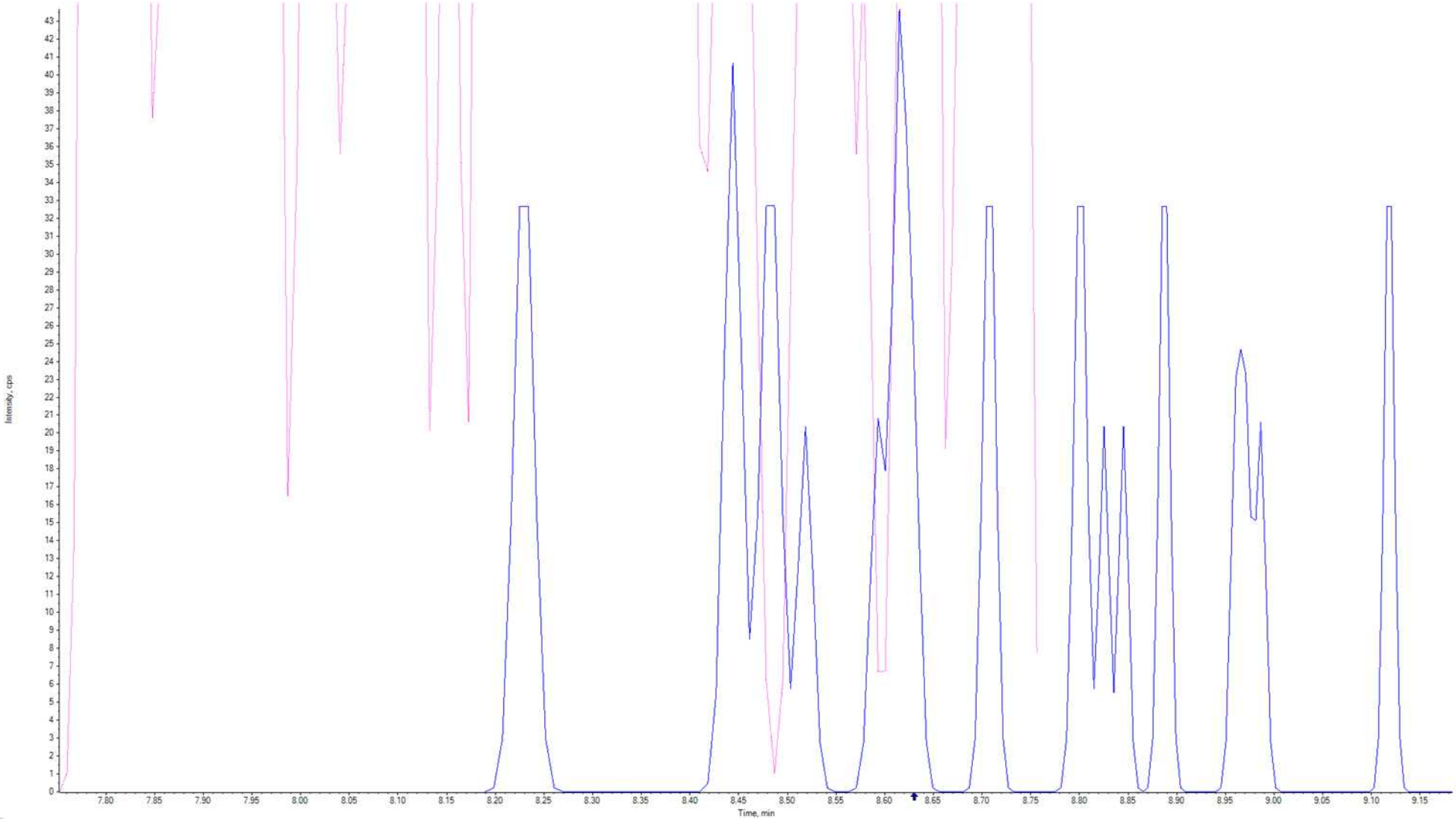

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS
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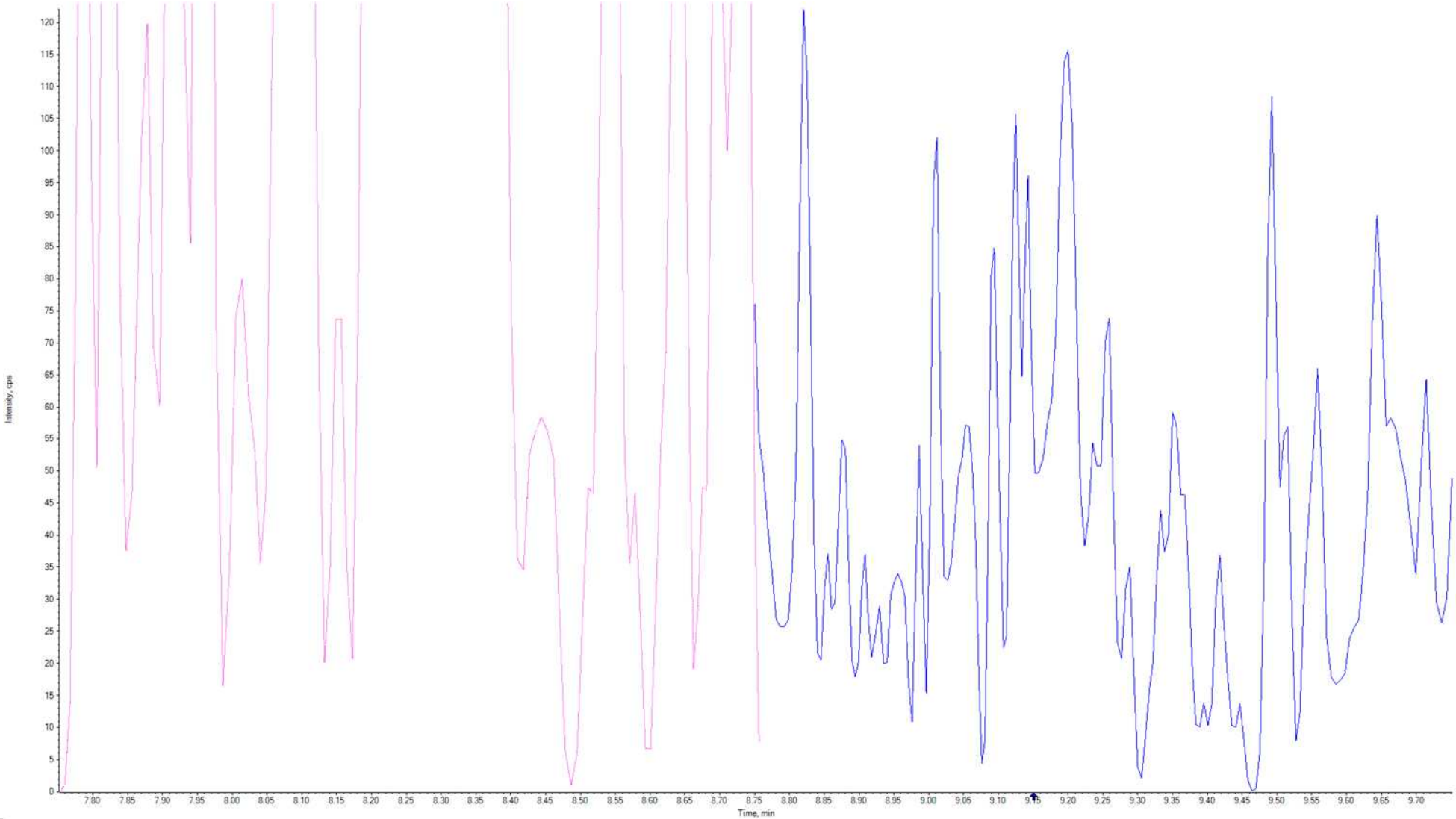

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDS_2
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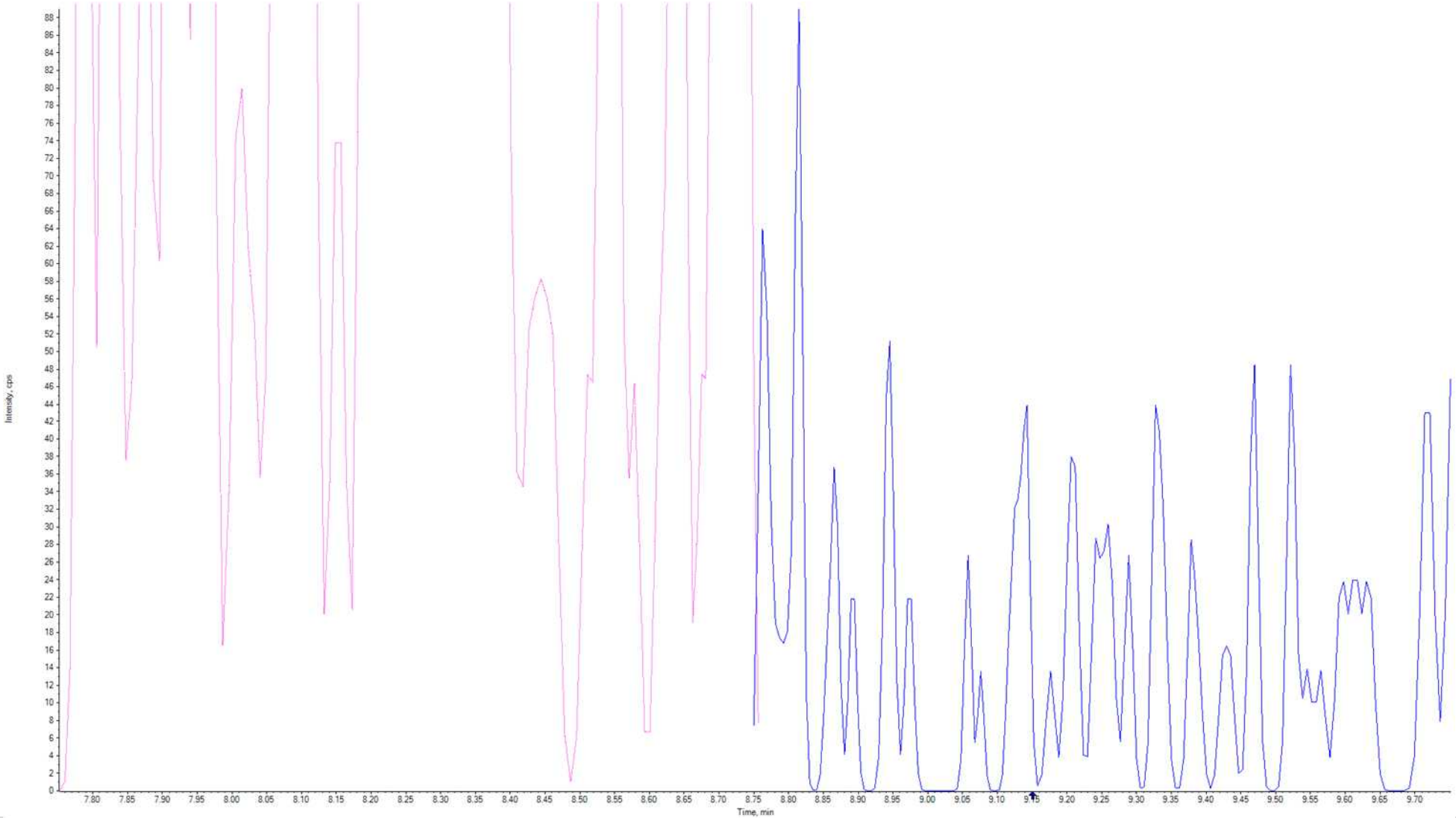

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFDoS
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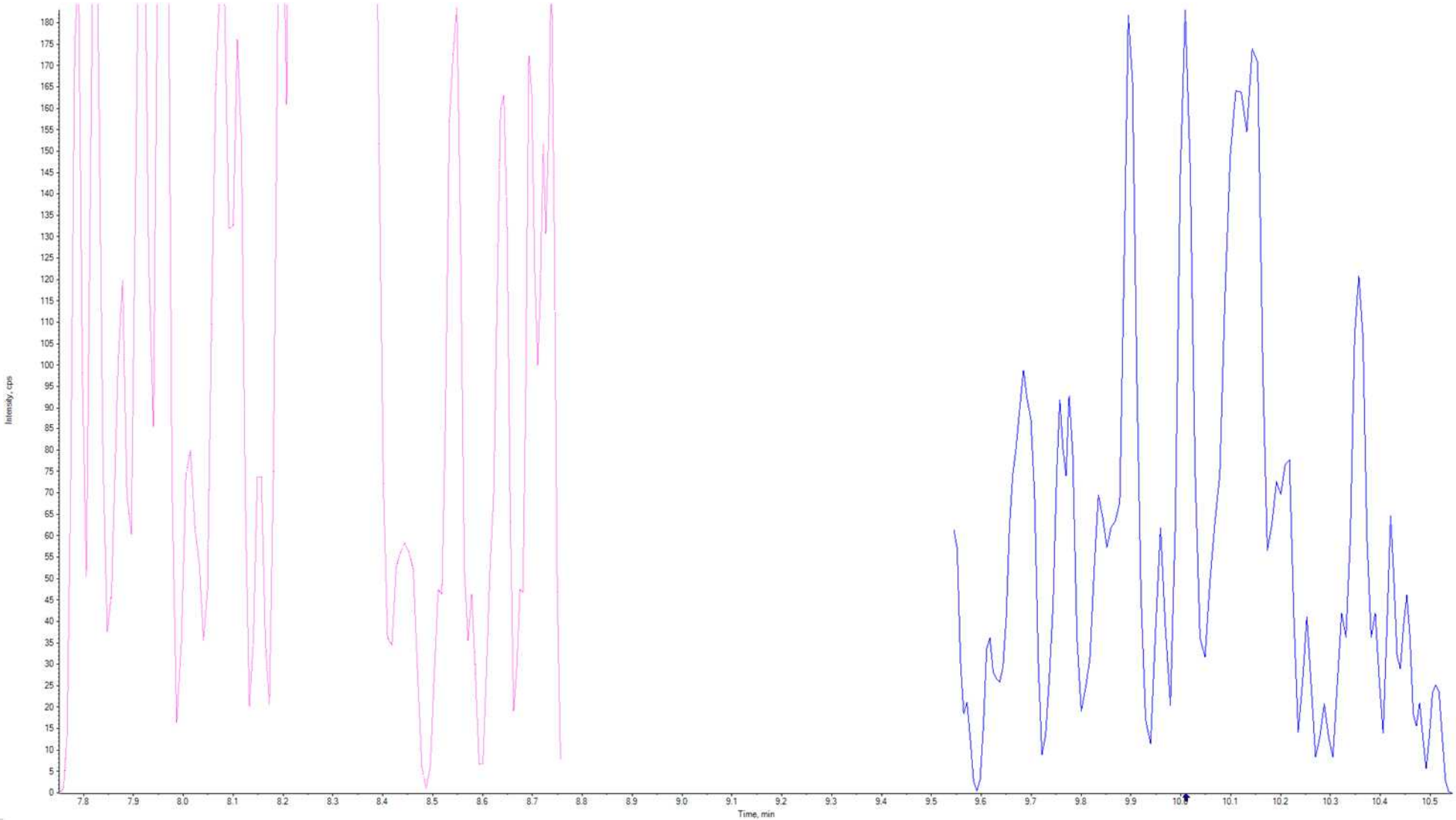

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
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PFDoS_2
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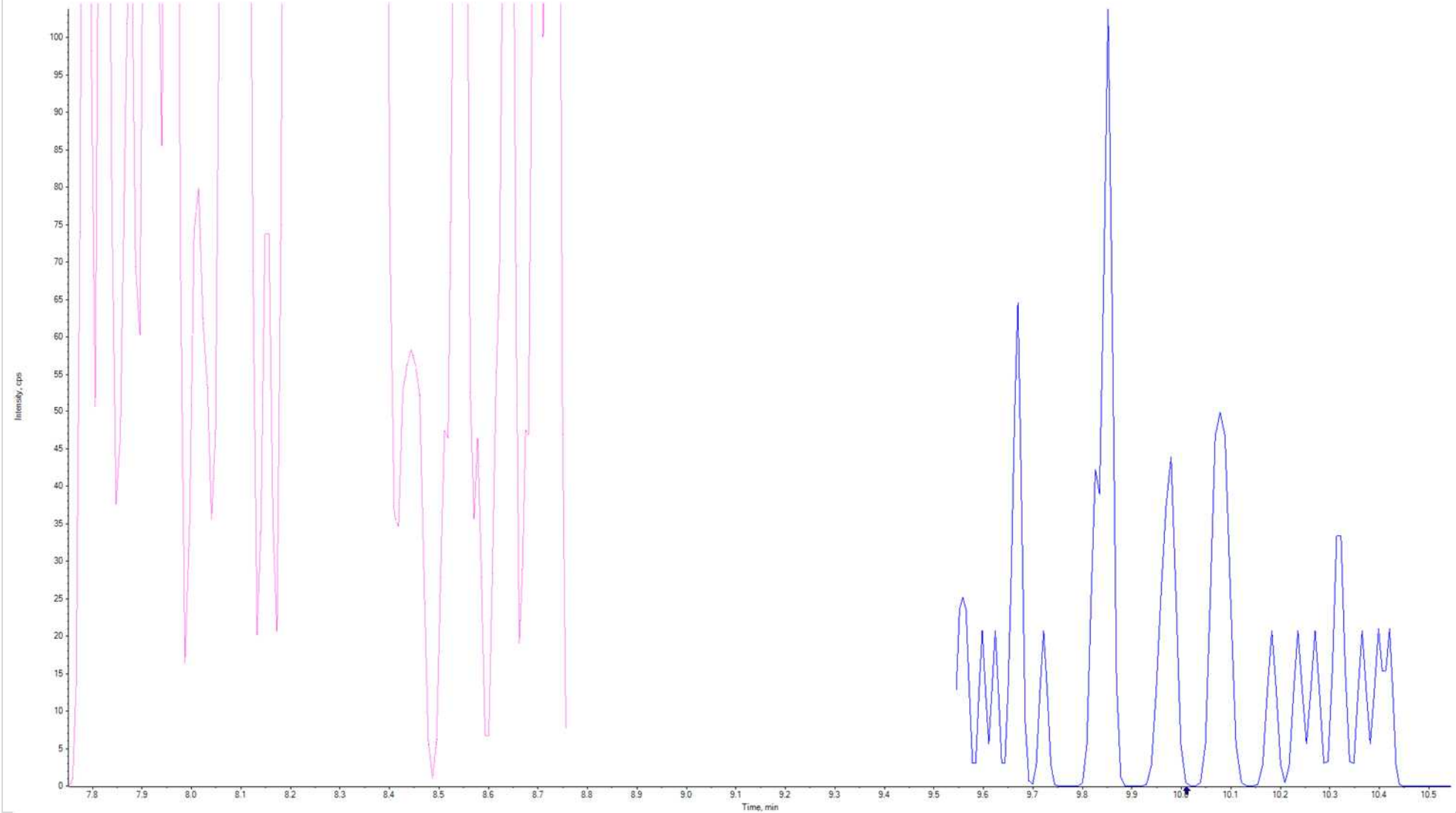

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS
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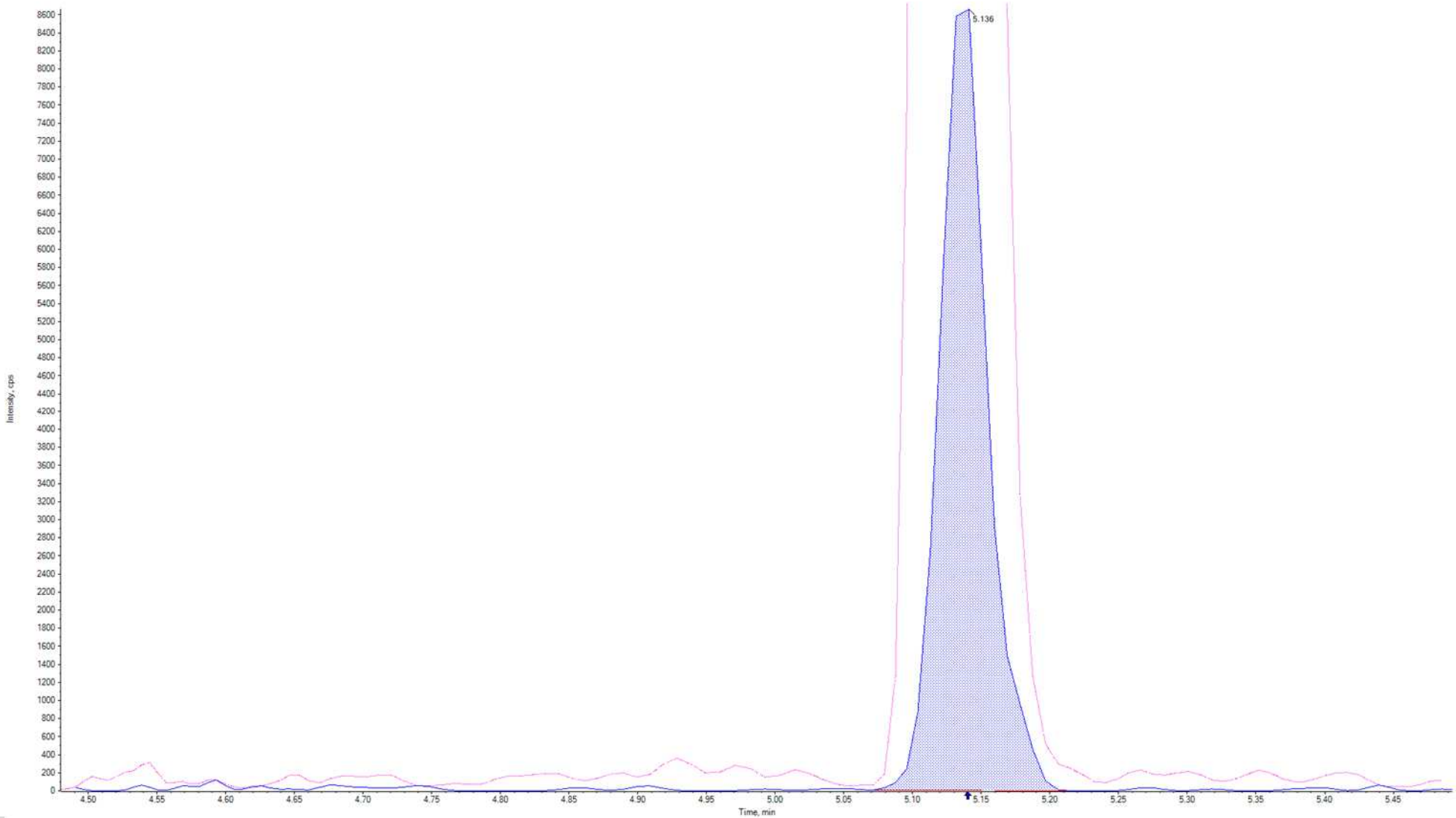

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

4:2FTS_2
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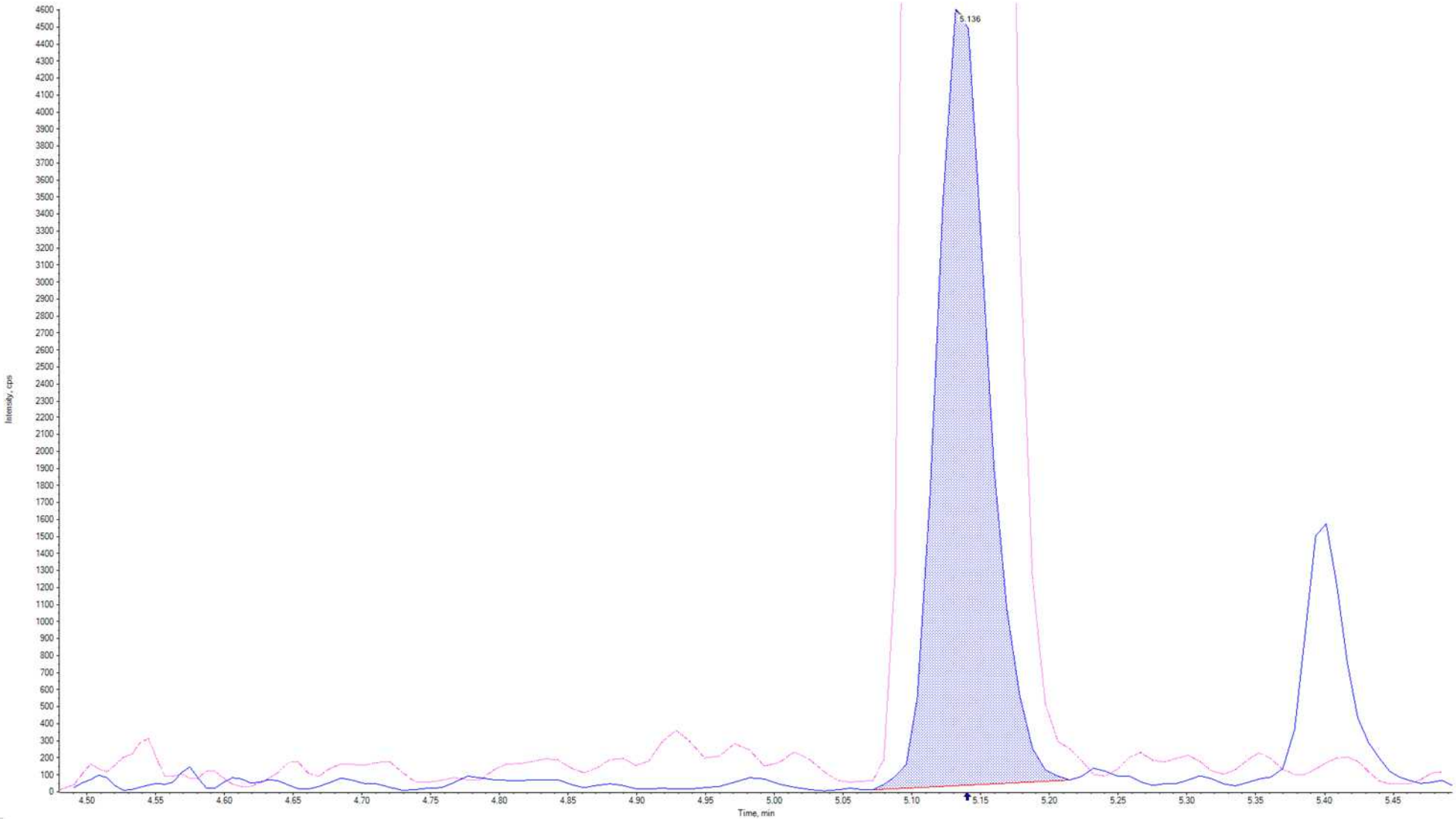

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

6:2FTS
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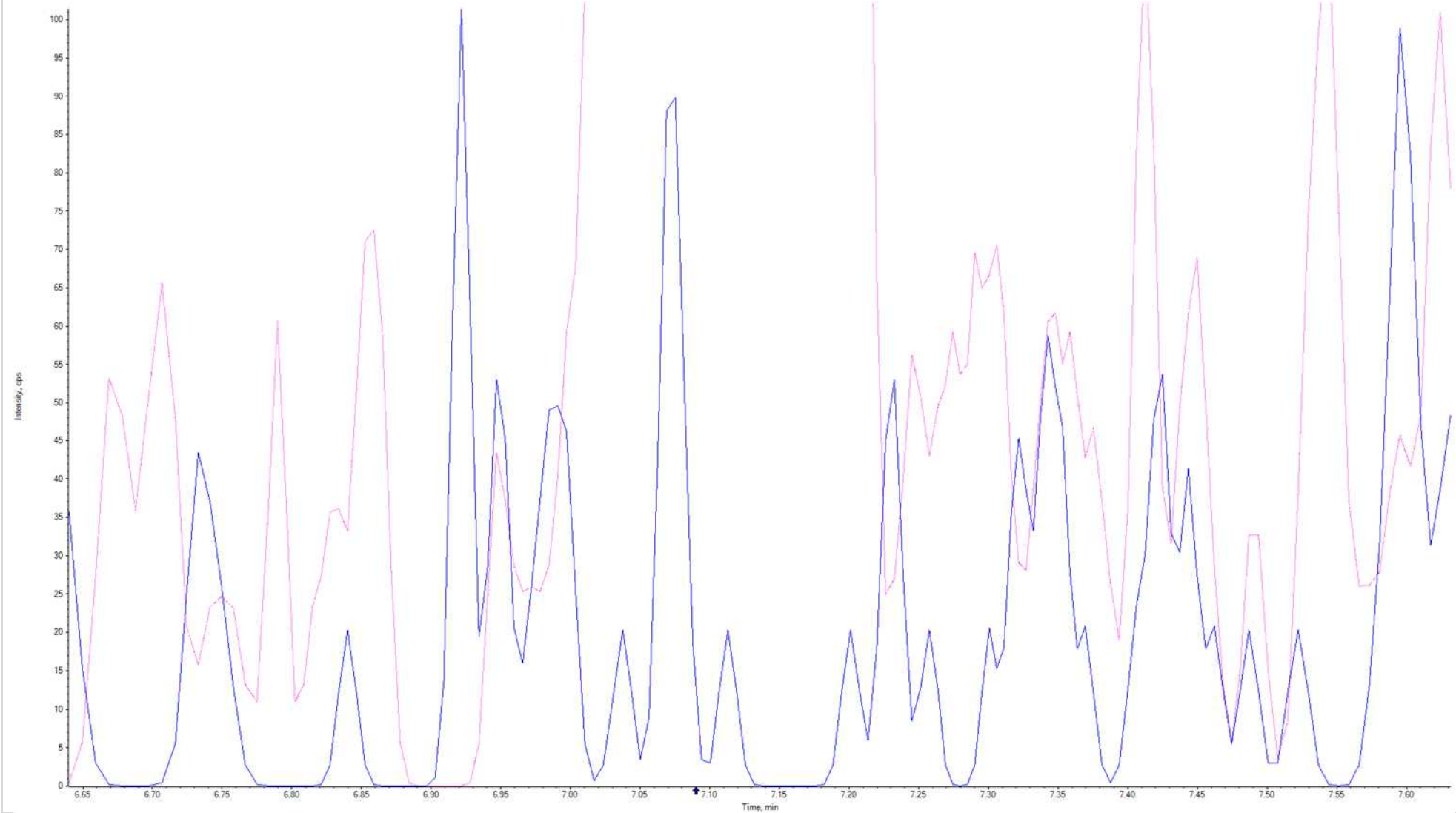

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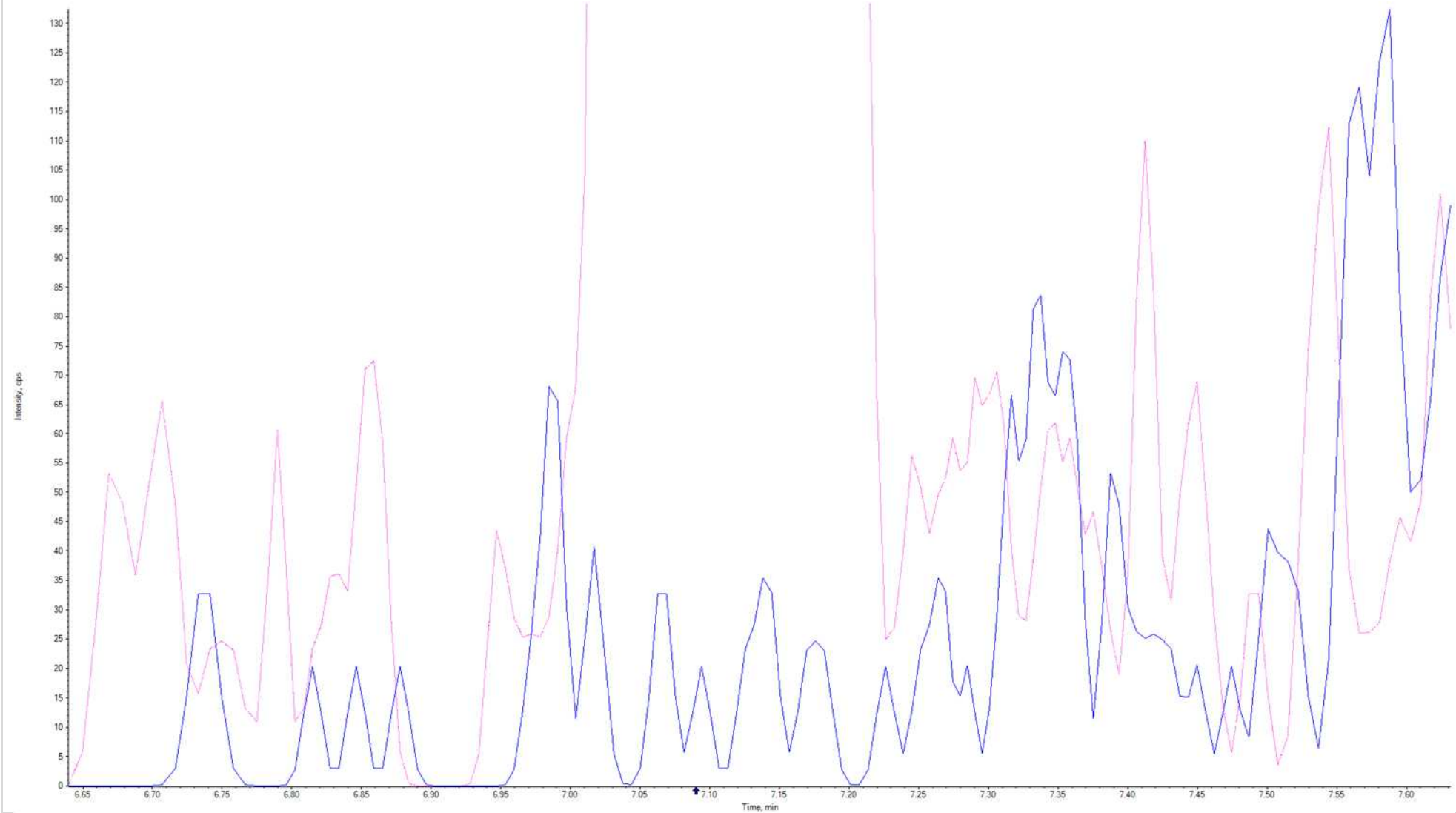

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS
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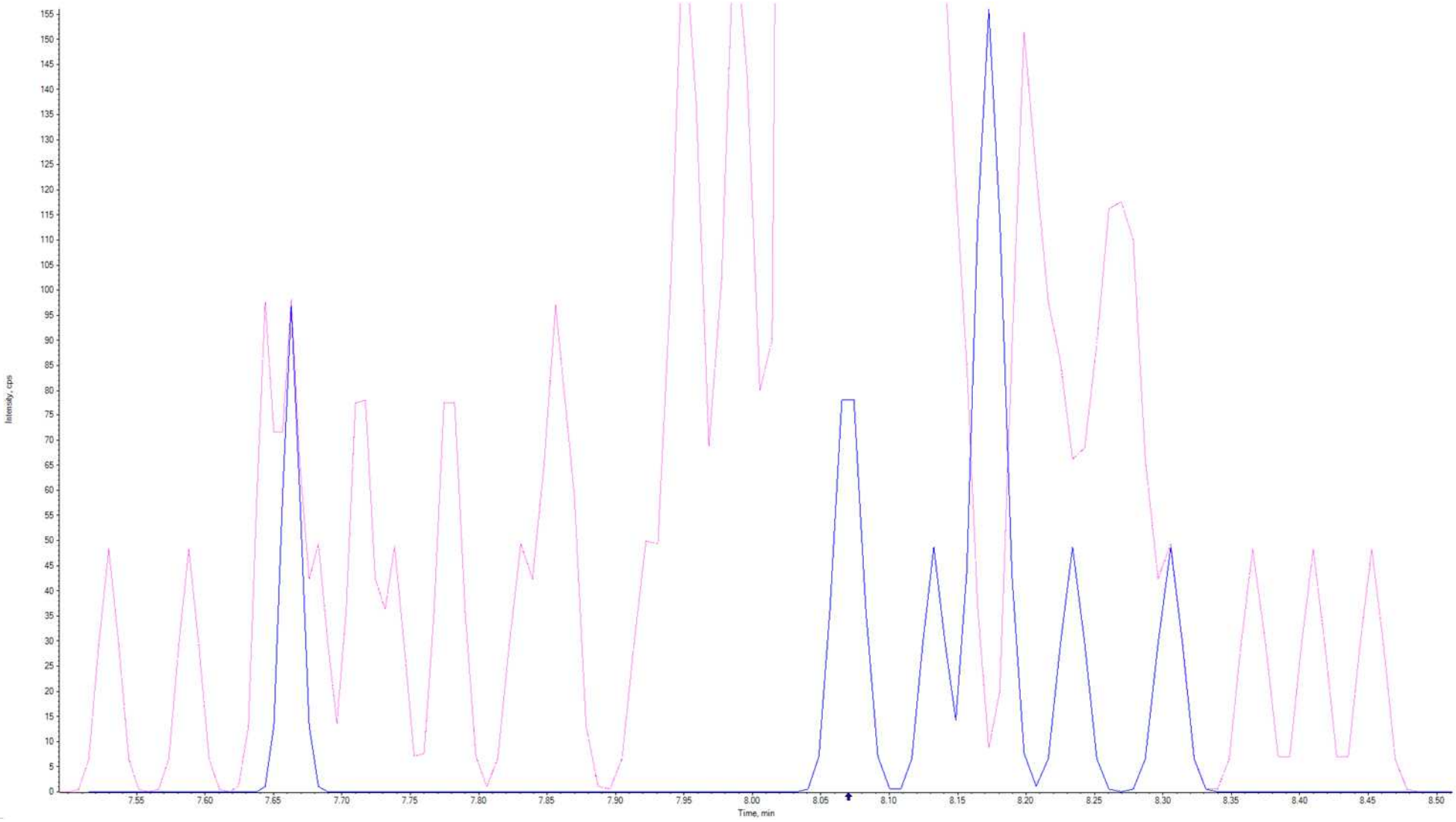

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

8:2FTS_2
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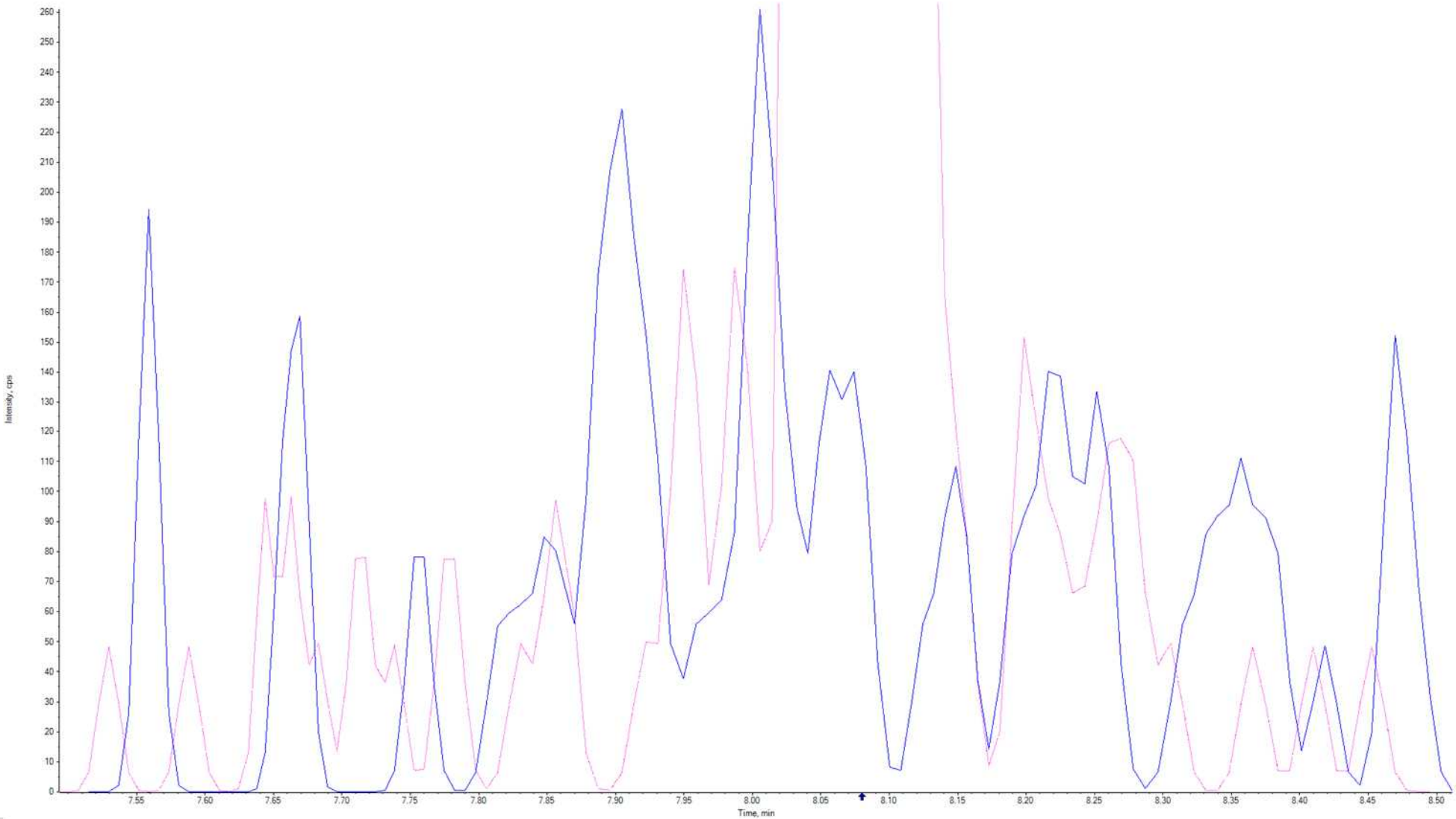

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA
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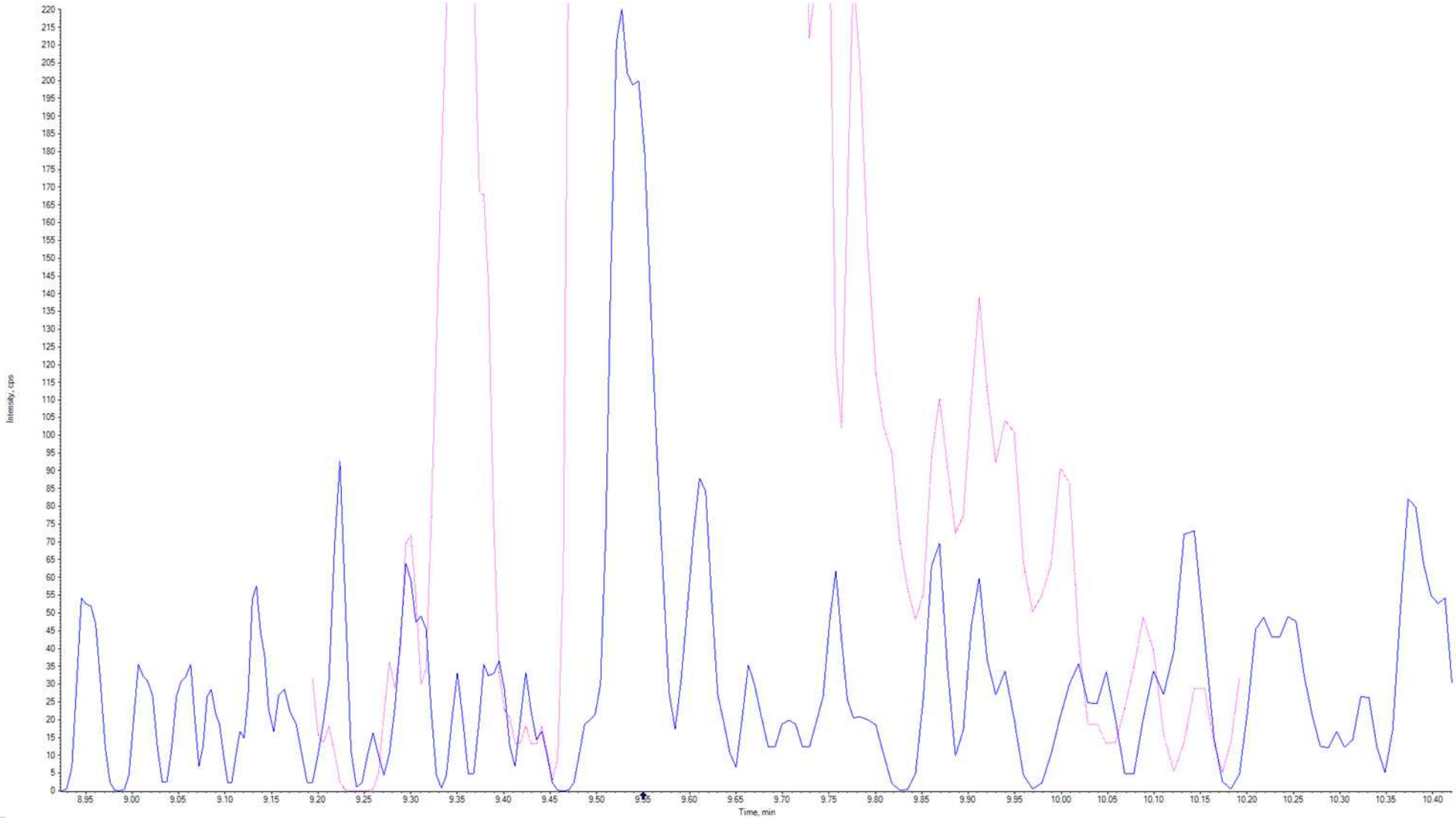

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFOSA_2
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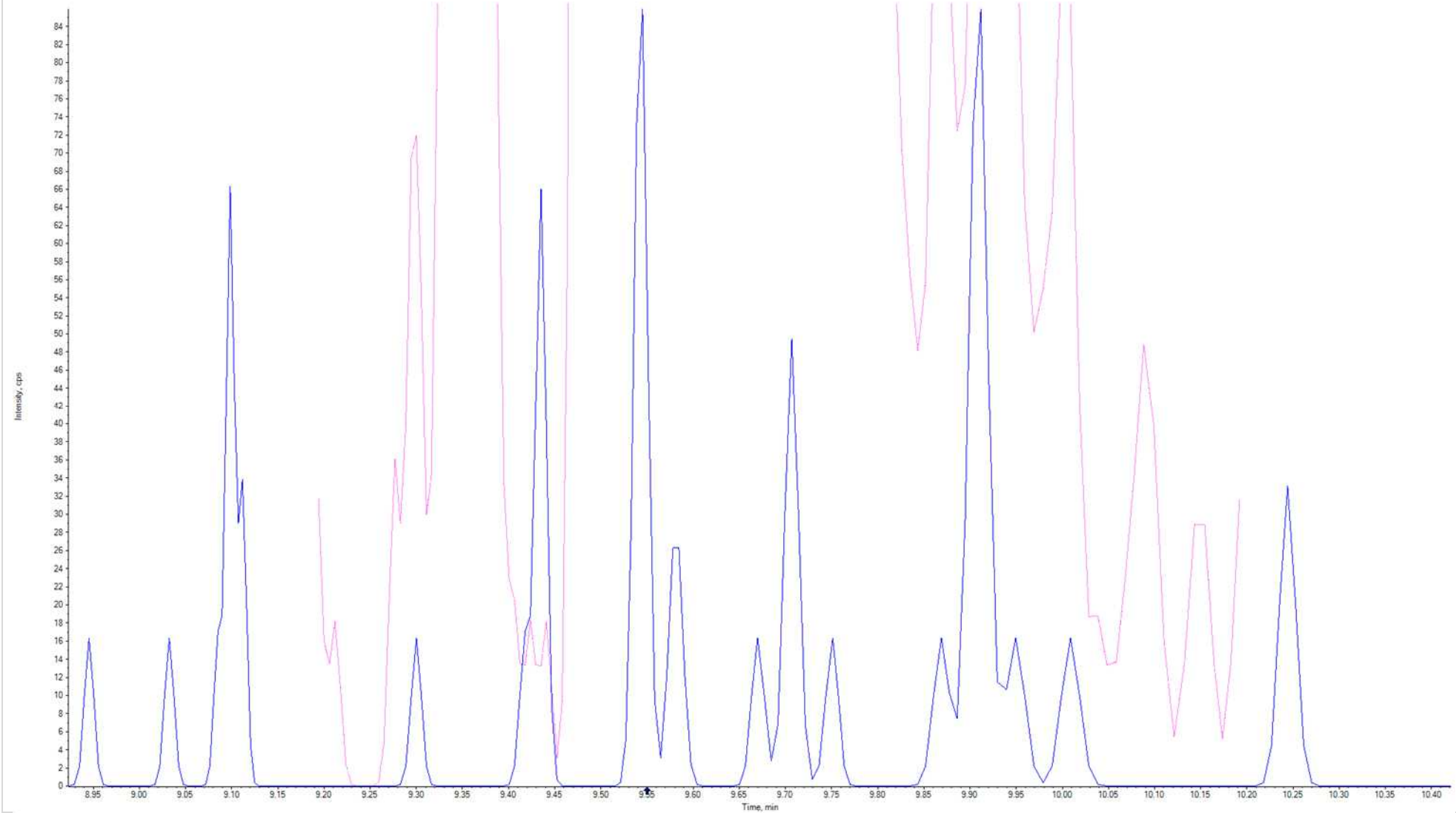

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSA
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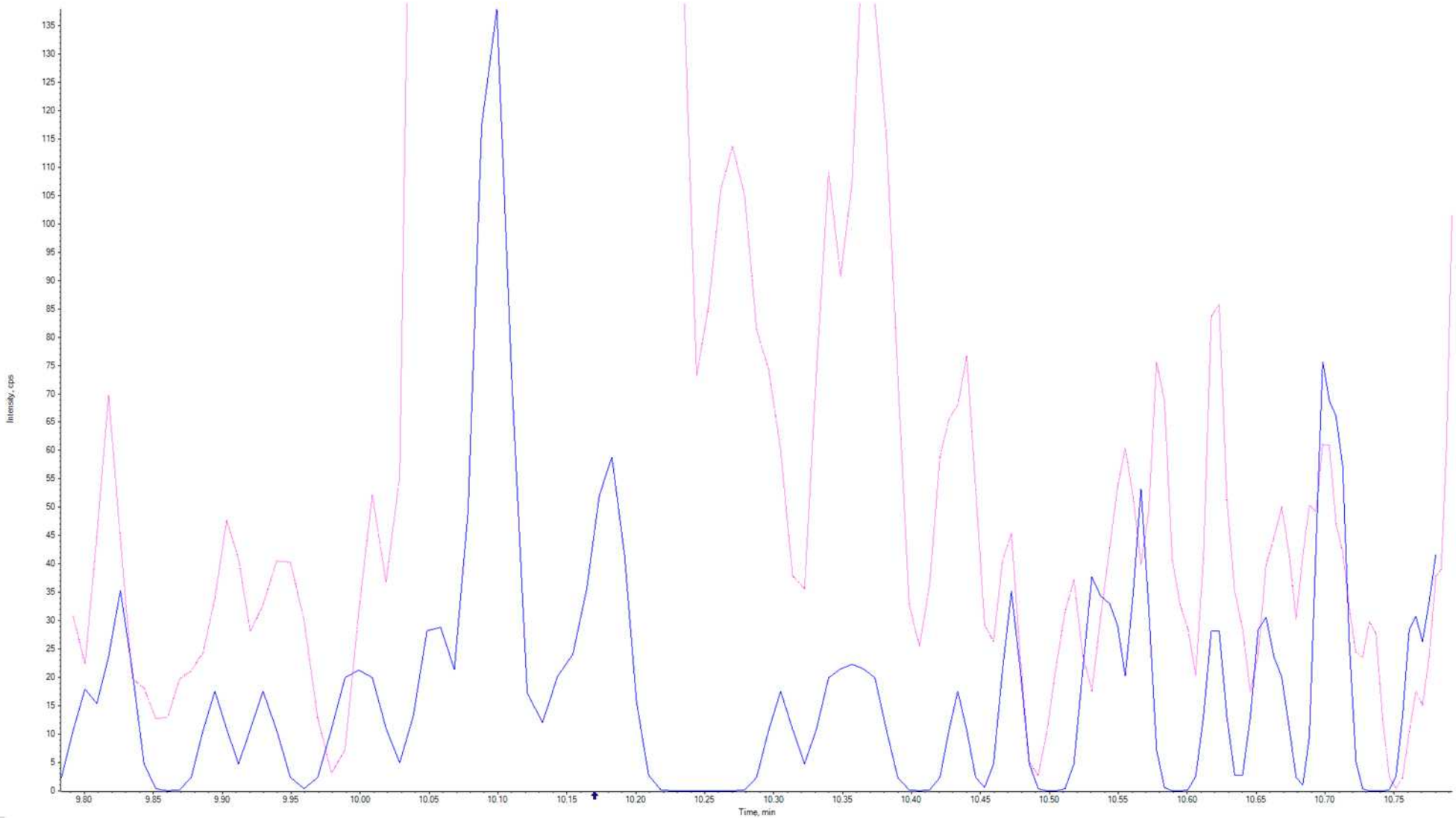

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
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NMeFOSA_2
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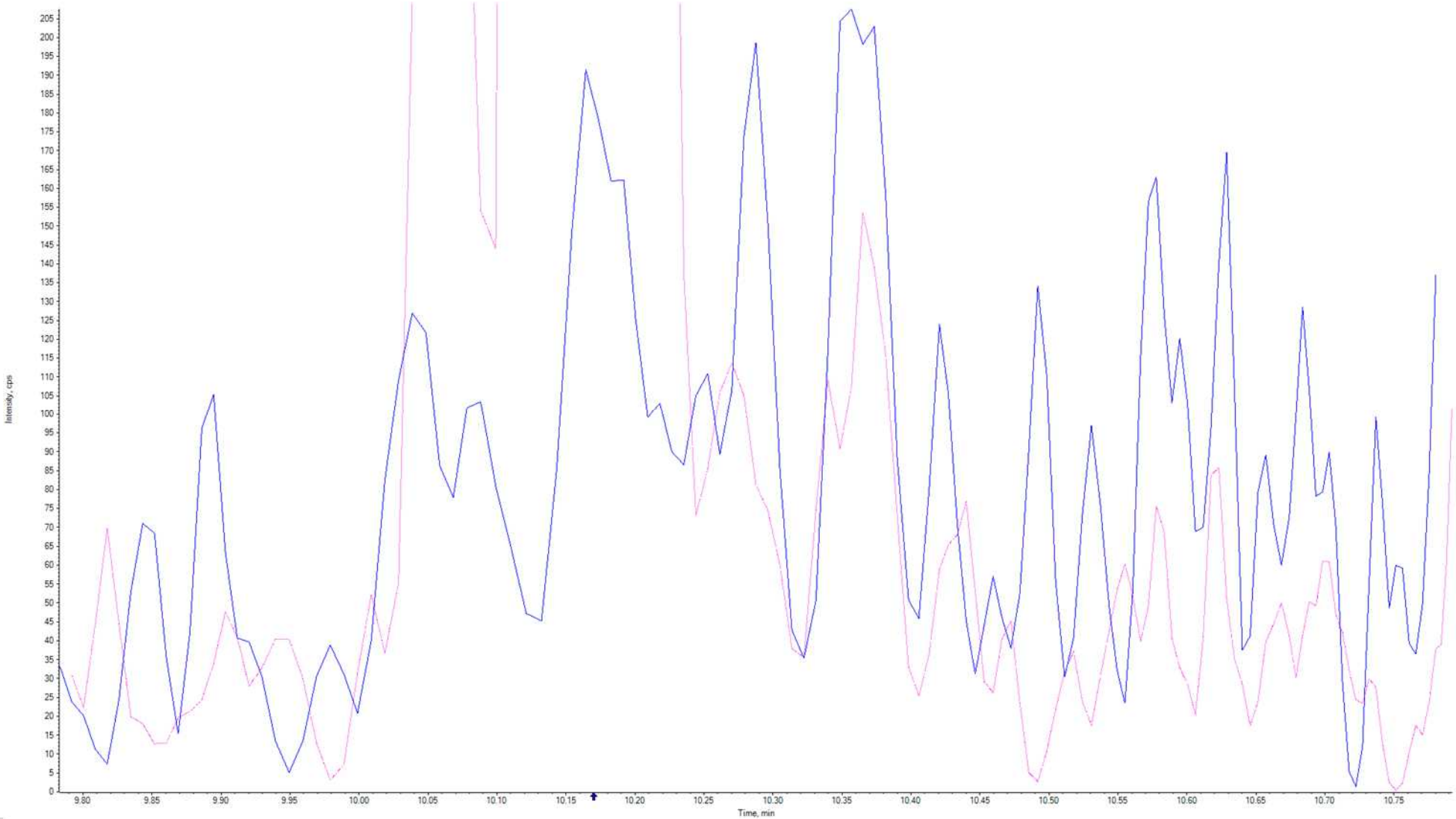
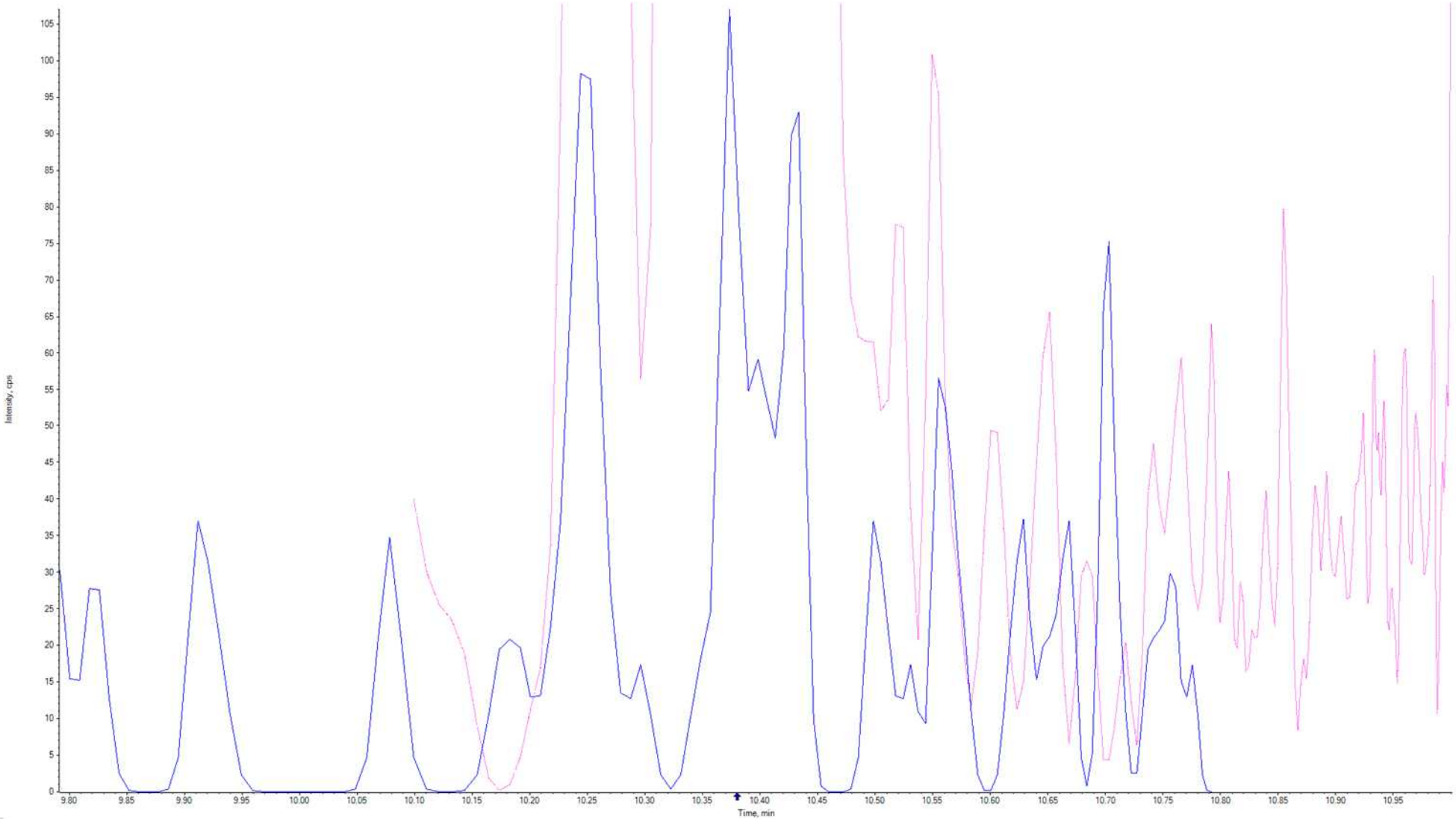
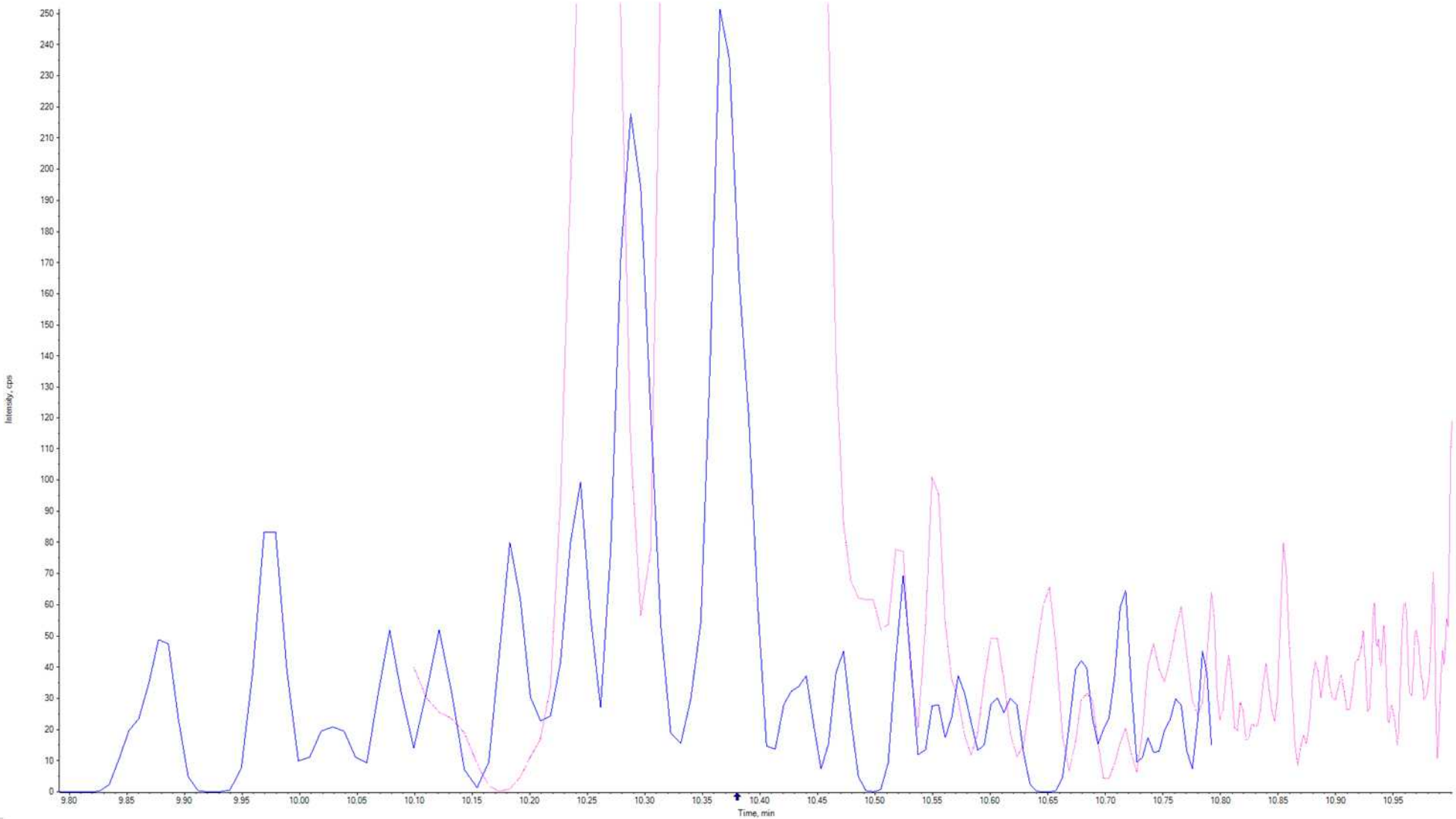


NEtFOSA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A

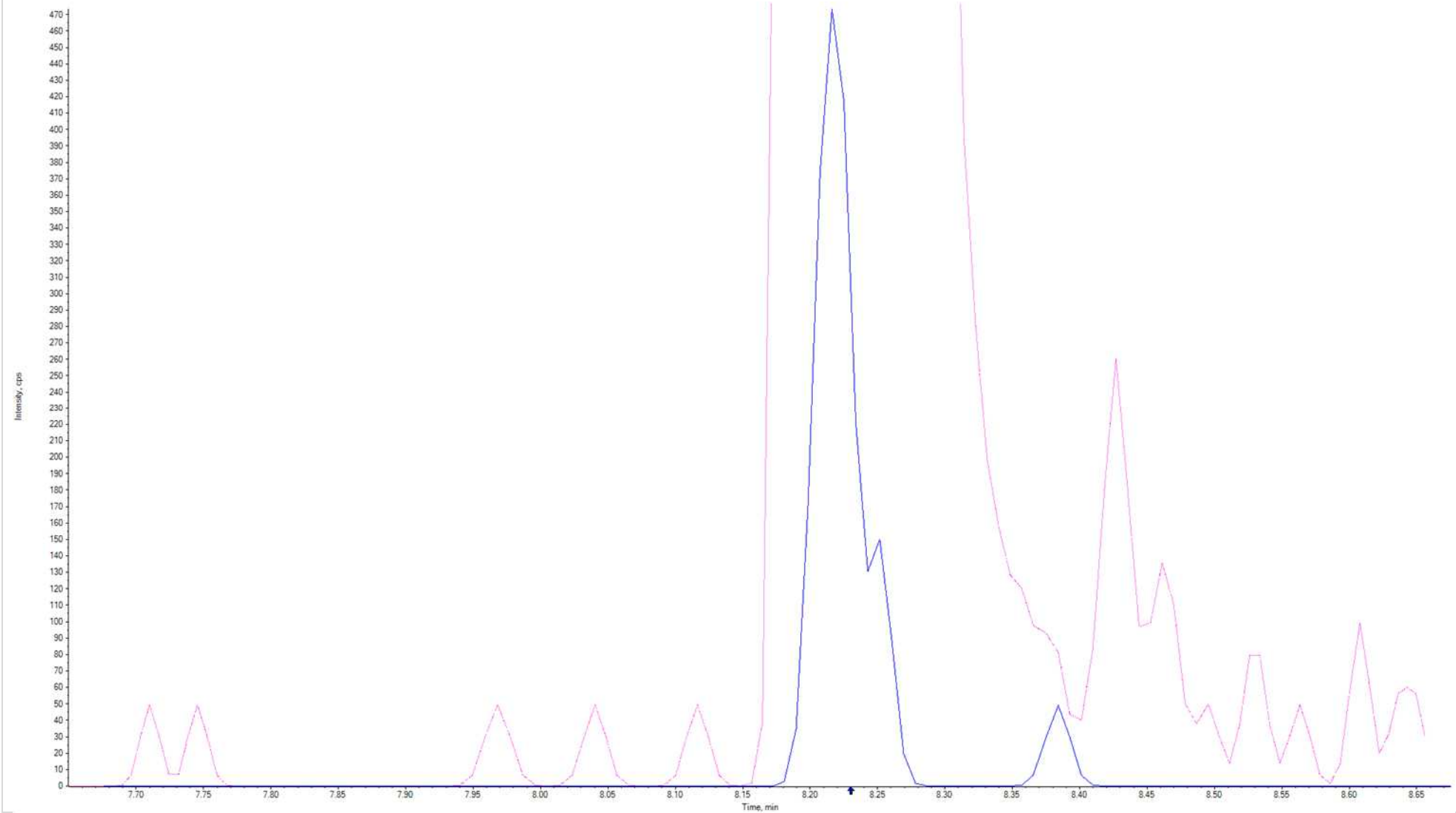


NEtFOSA_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NMeFOSAA_2
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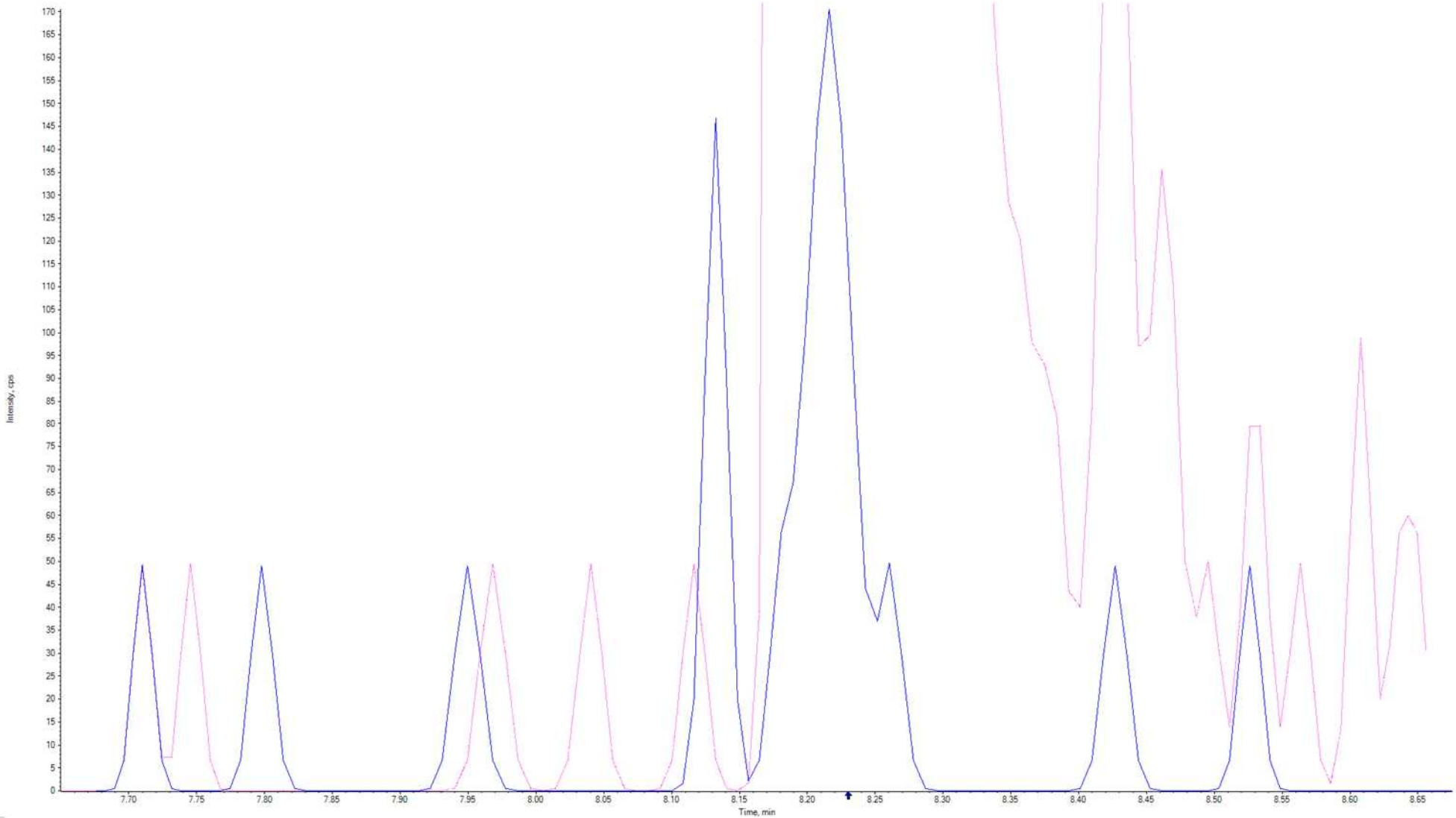

NEtFOSAA
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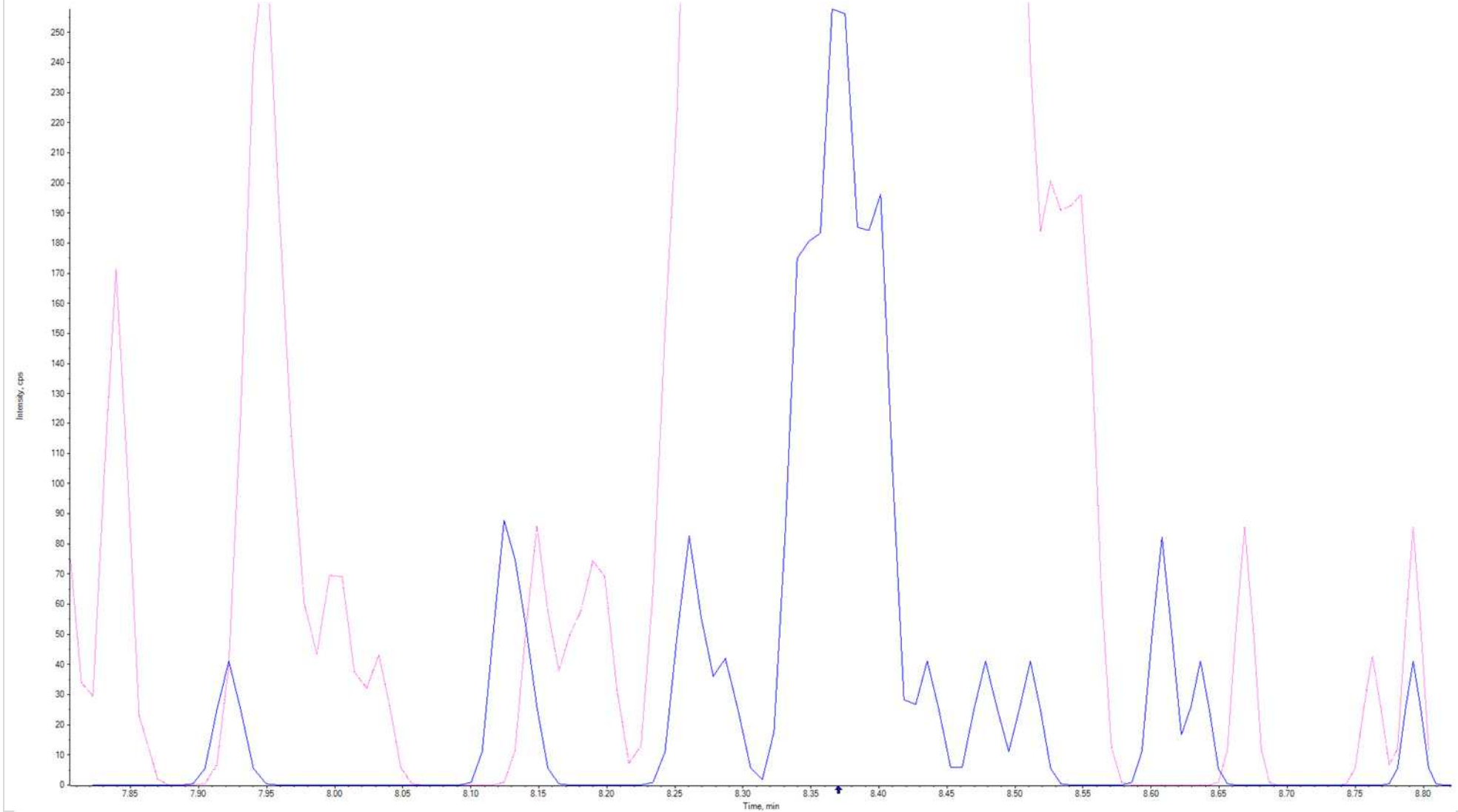

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSAA_2
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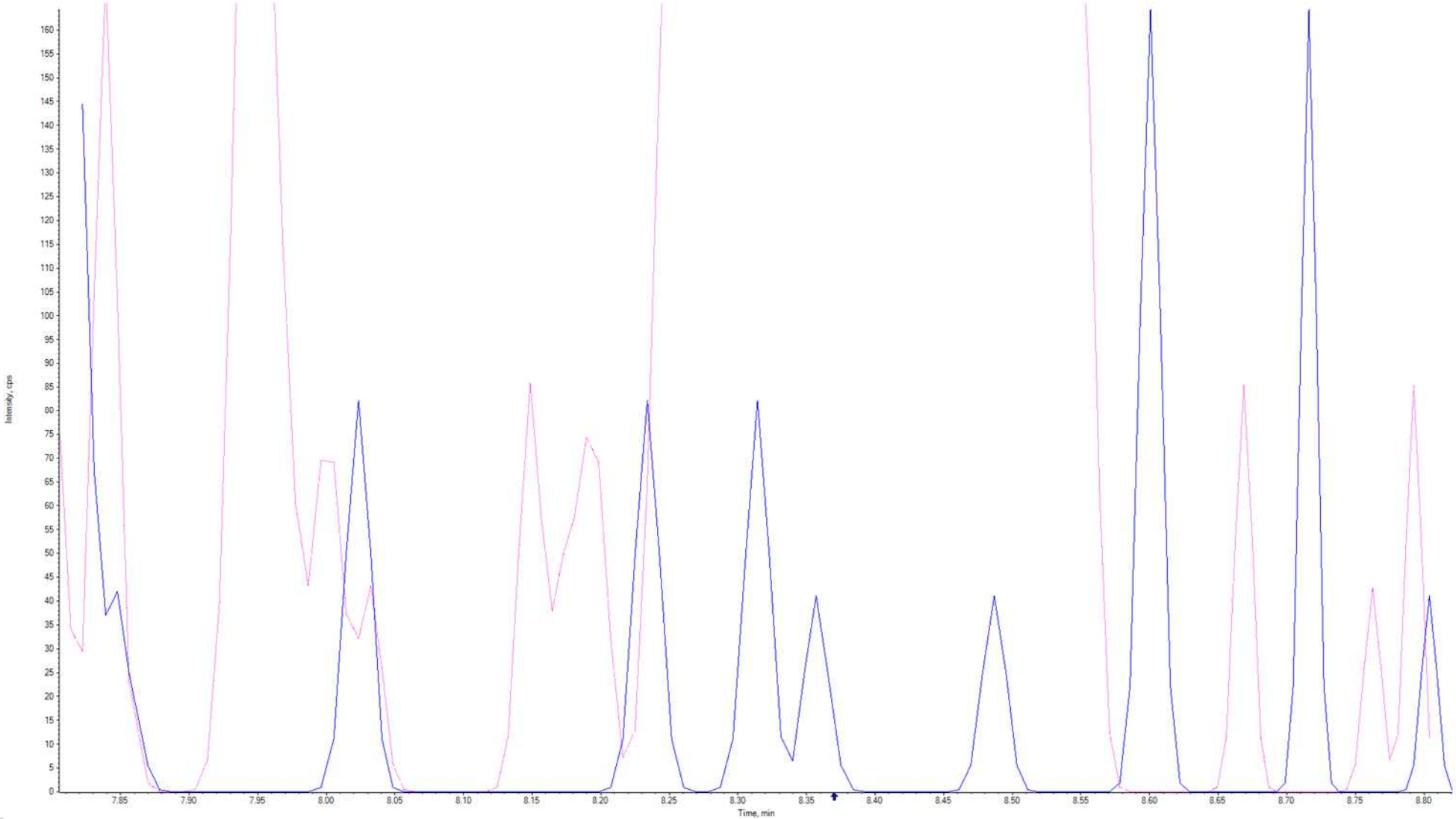

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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NMeFOSE
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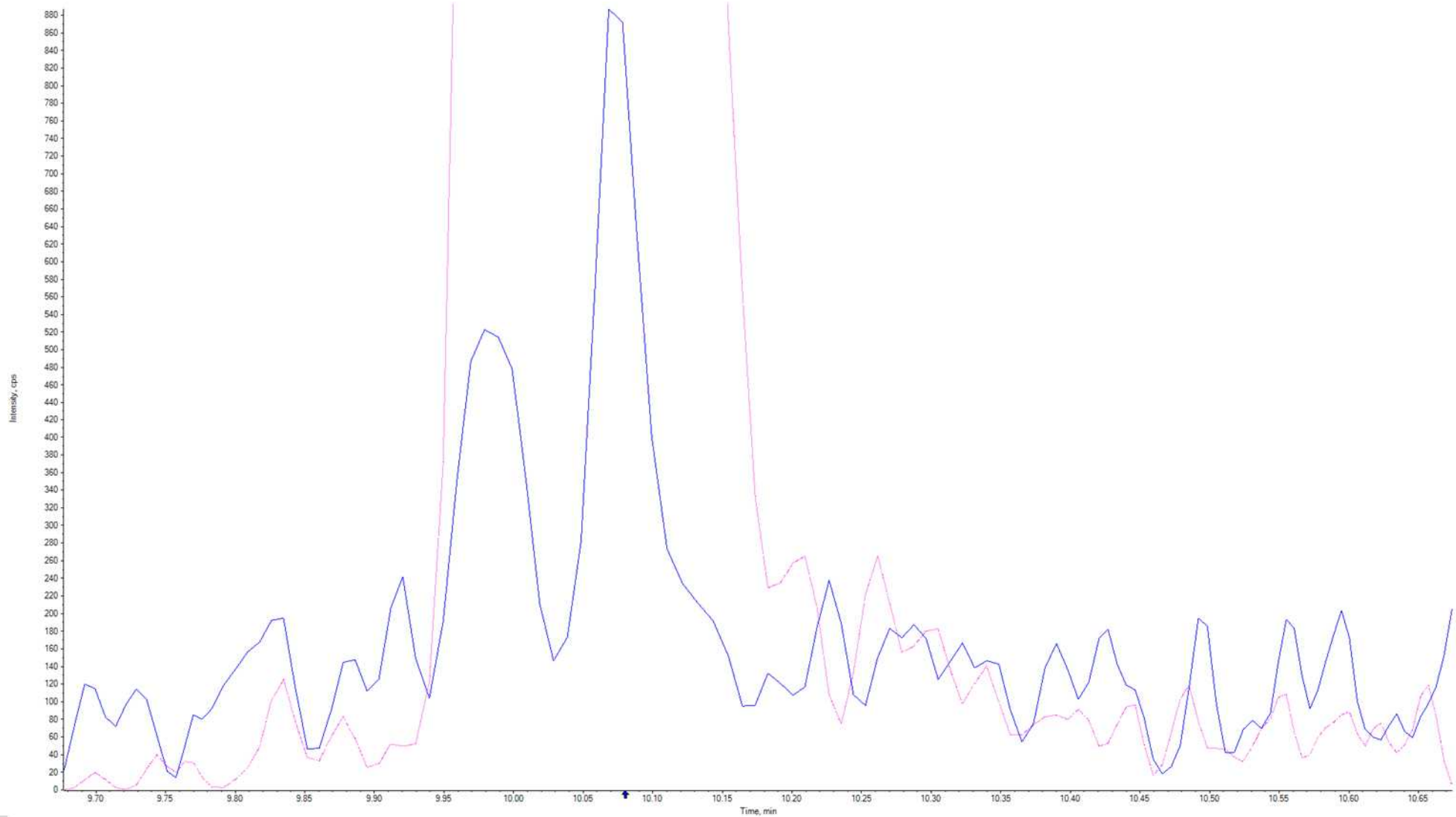

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NEtFOSE
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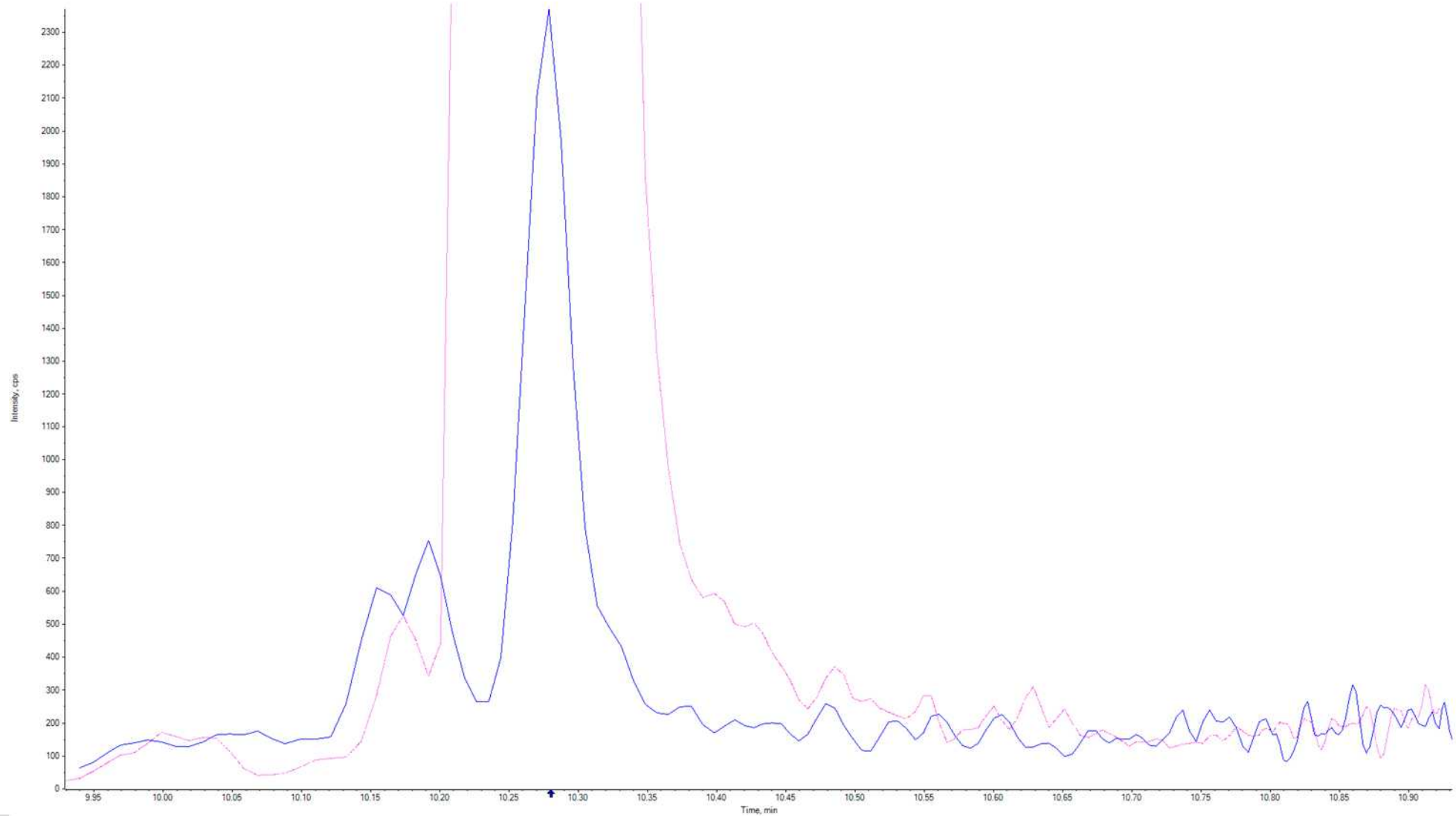

HFPO-DA
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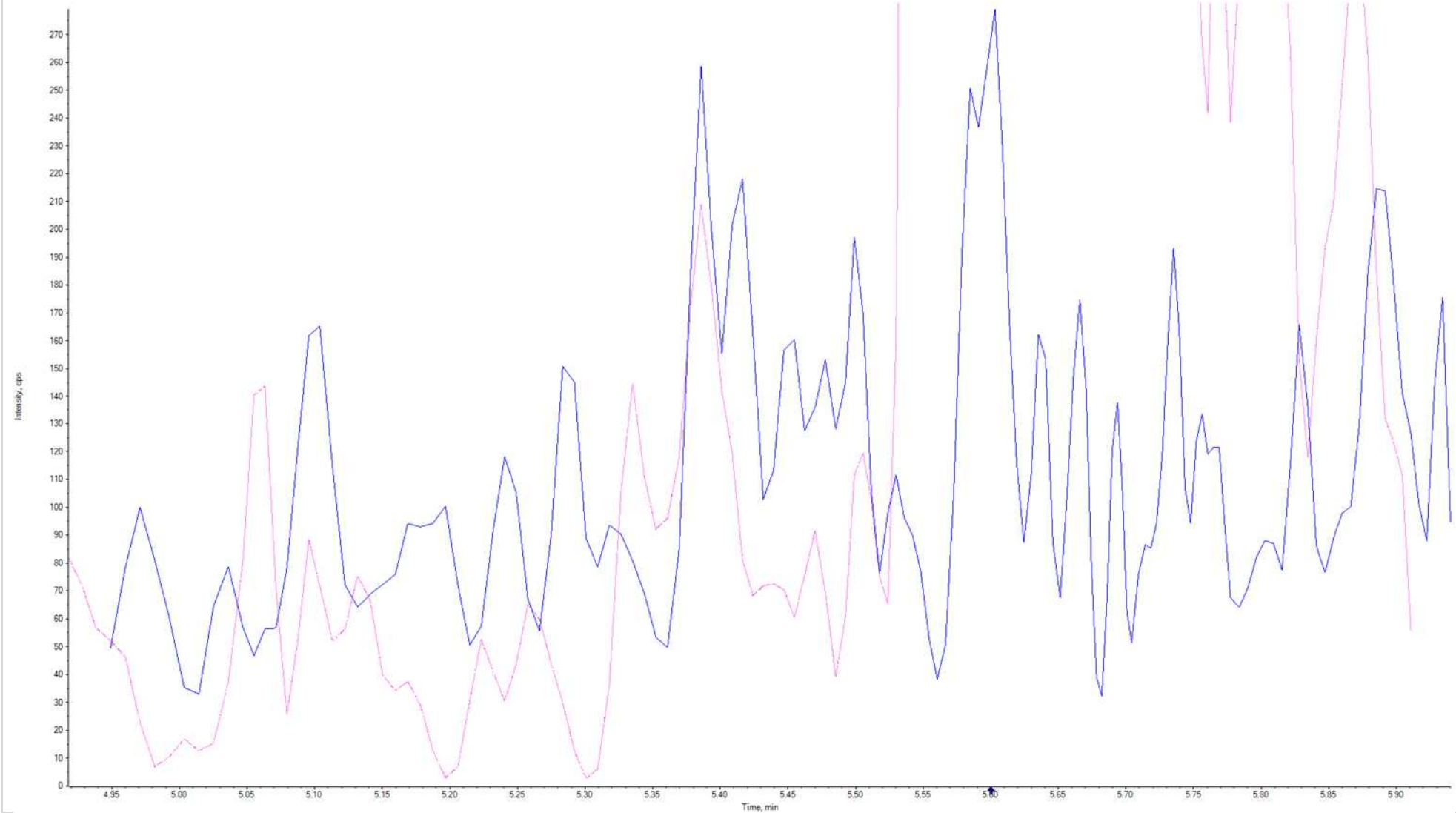

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

HFPO-DA_2
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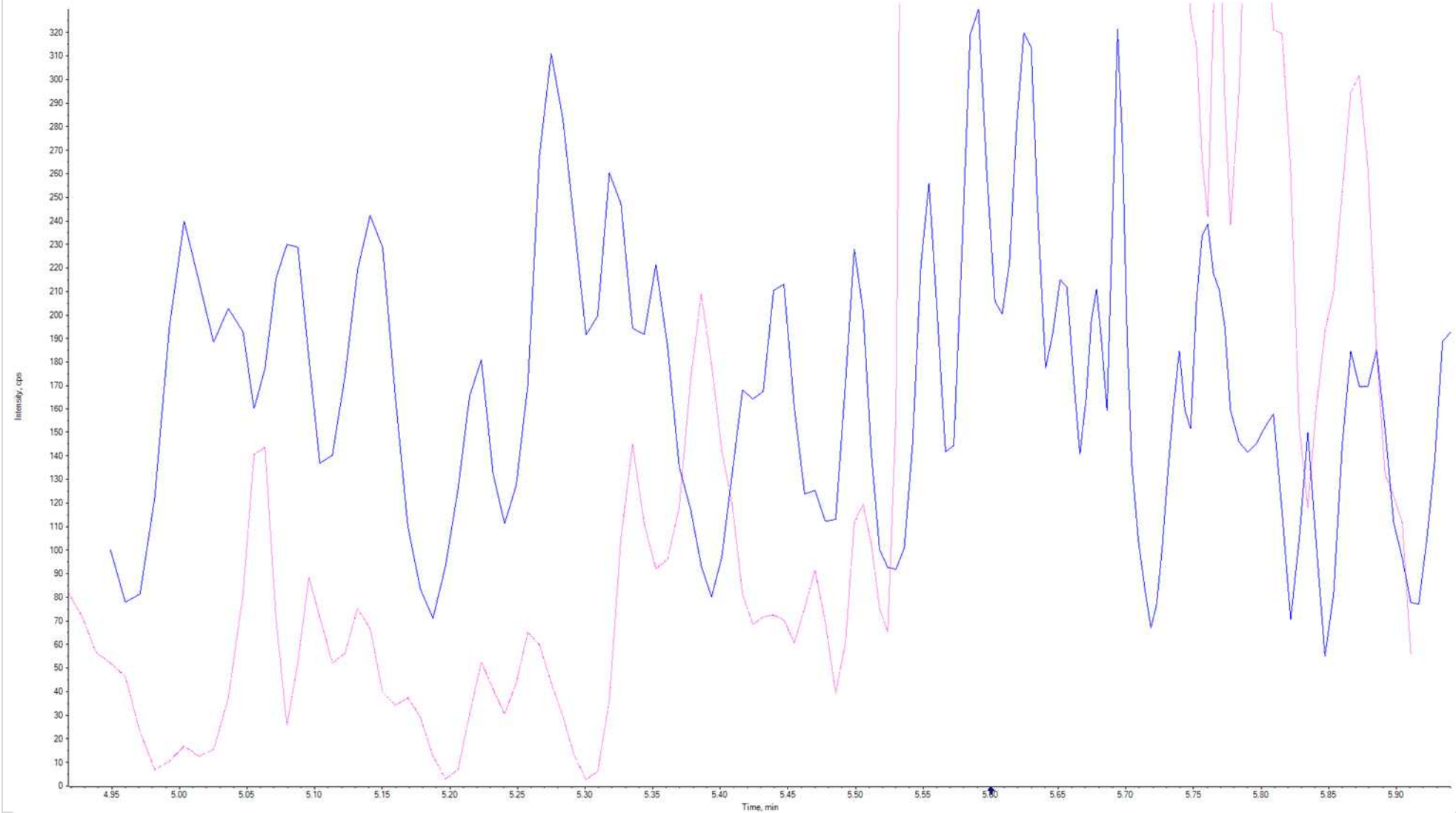
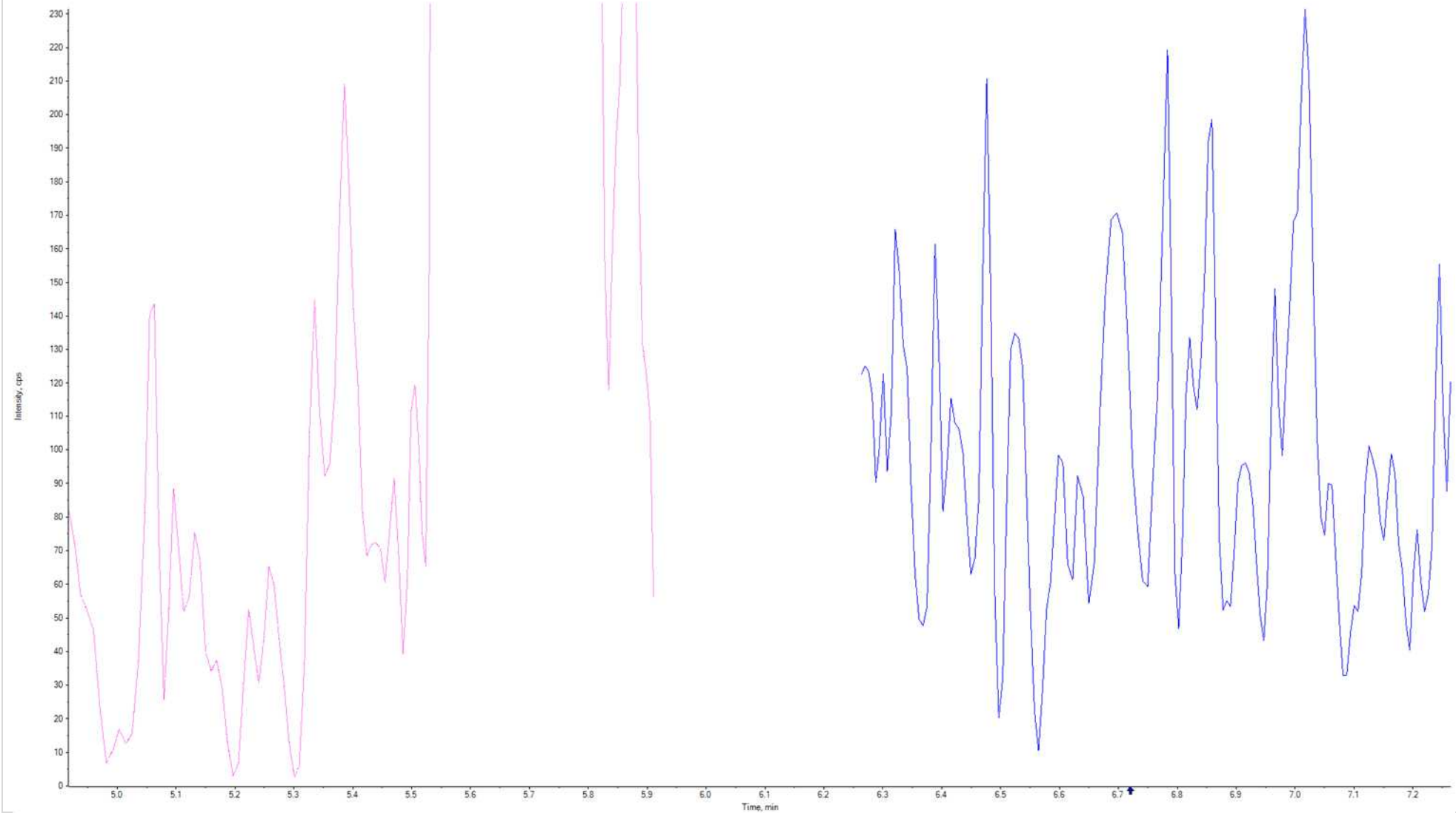


ADONA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

ADONA_2
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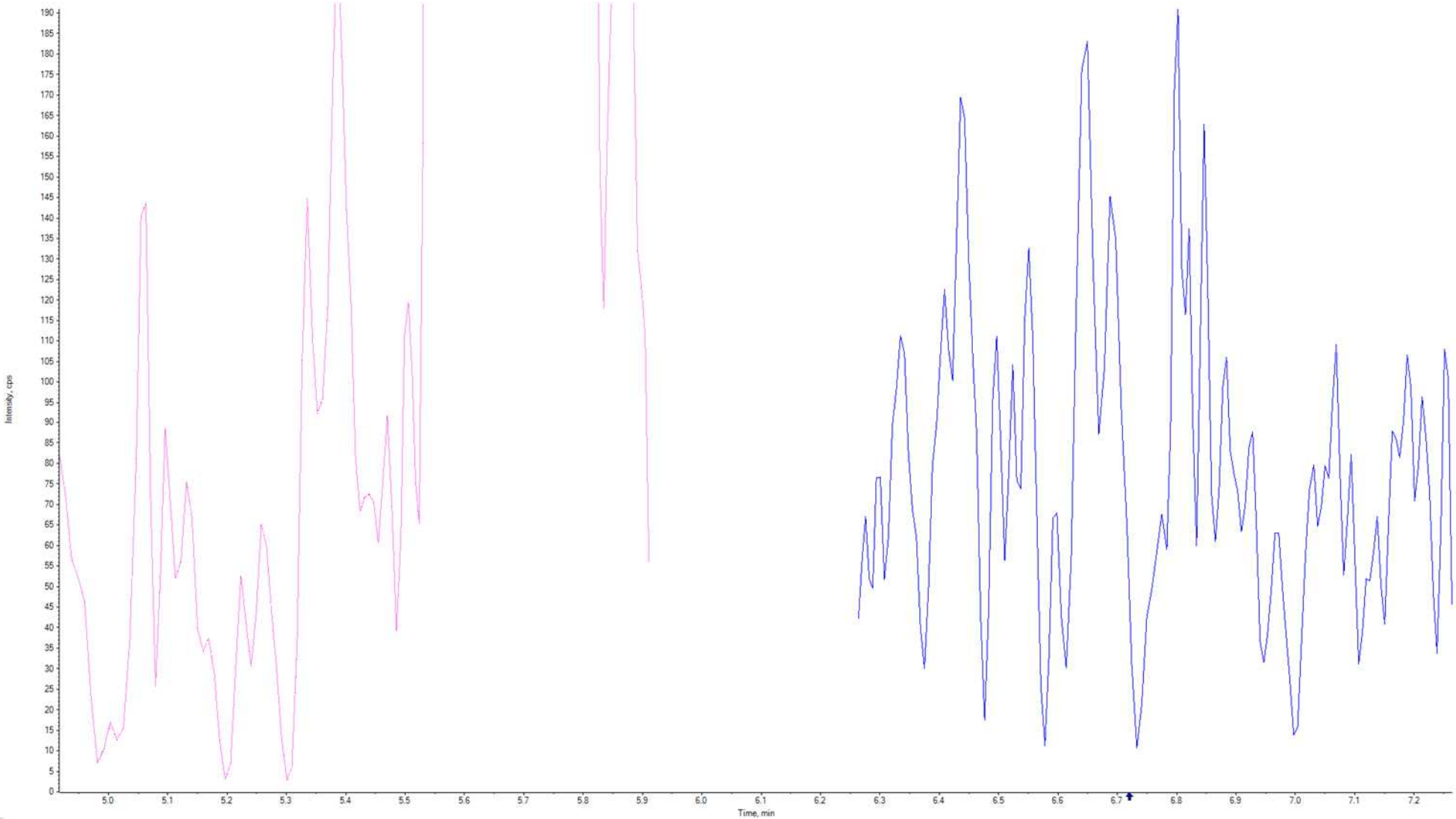

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS
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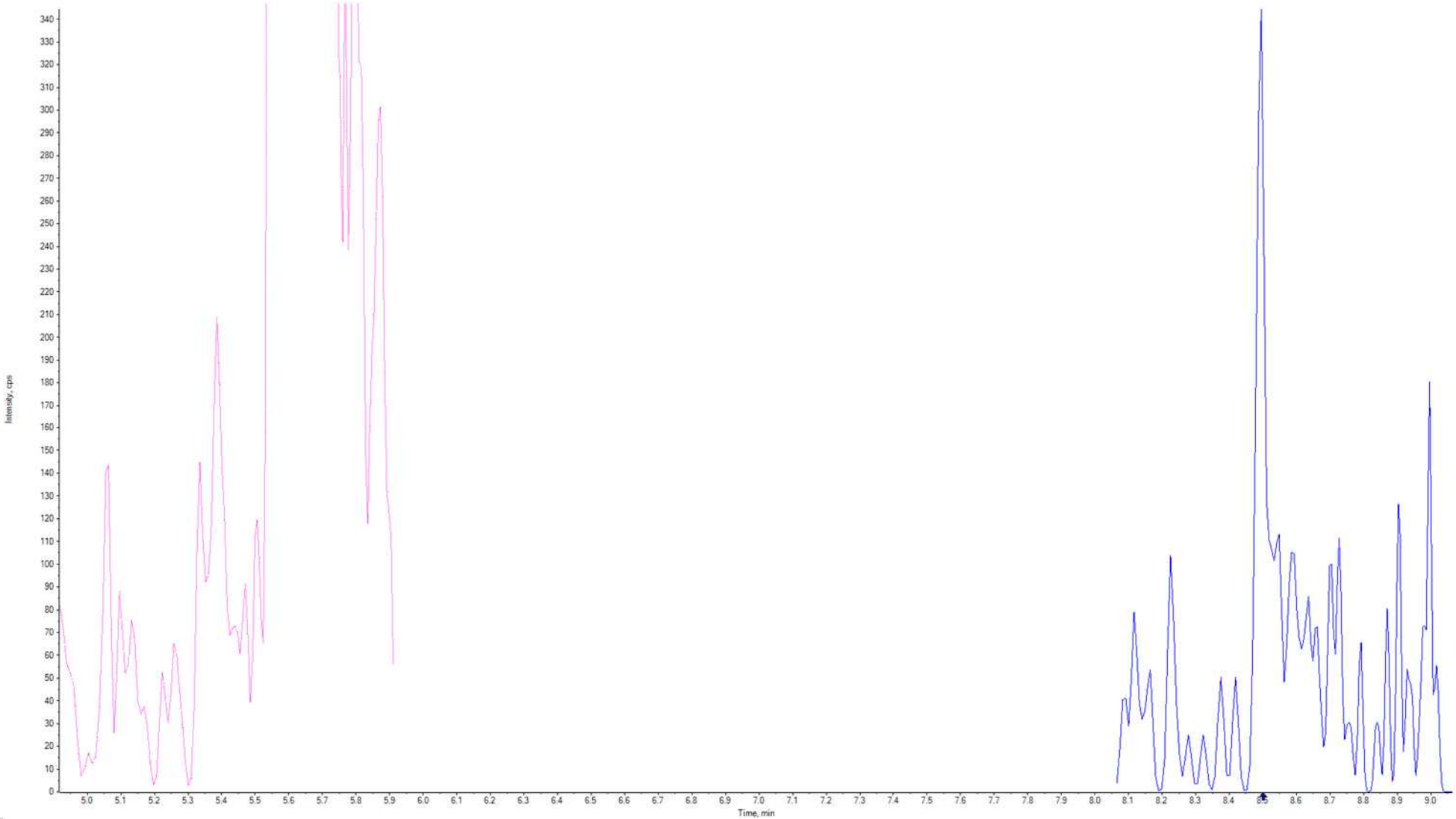

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

9Cl-PF3ONS_2
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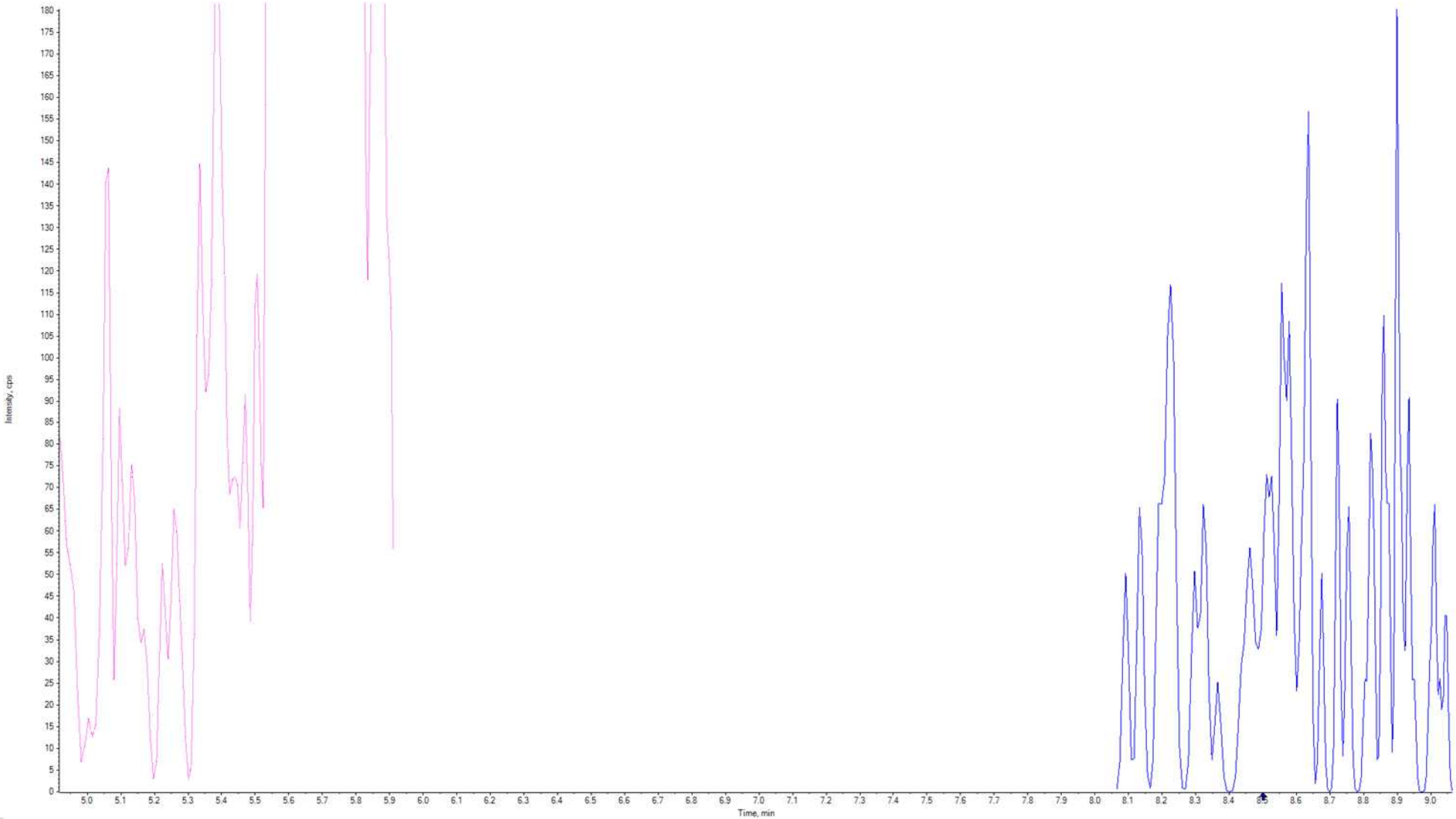

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

11Cl-PF3OUdS
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

11Cl-PF3OUdS_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA
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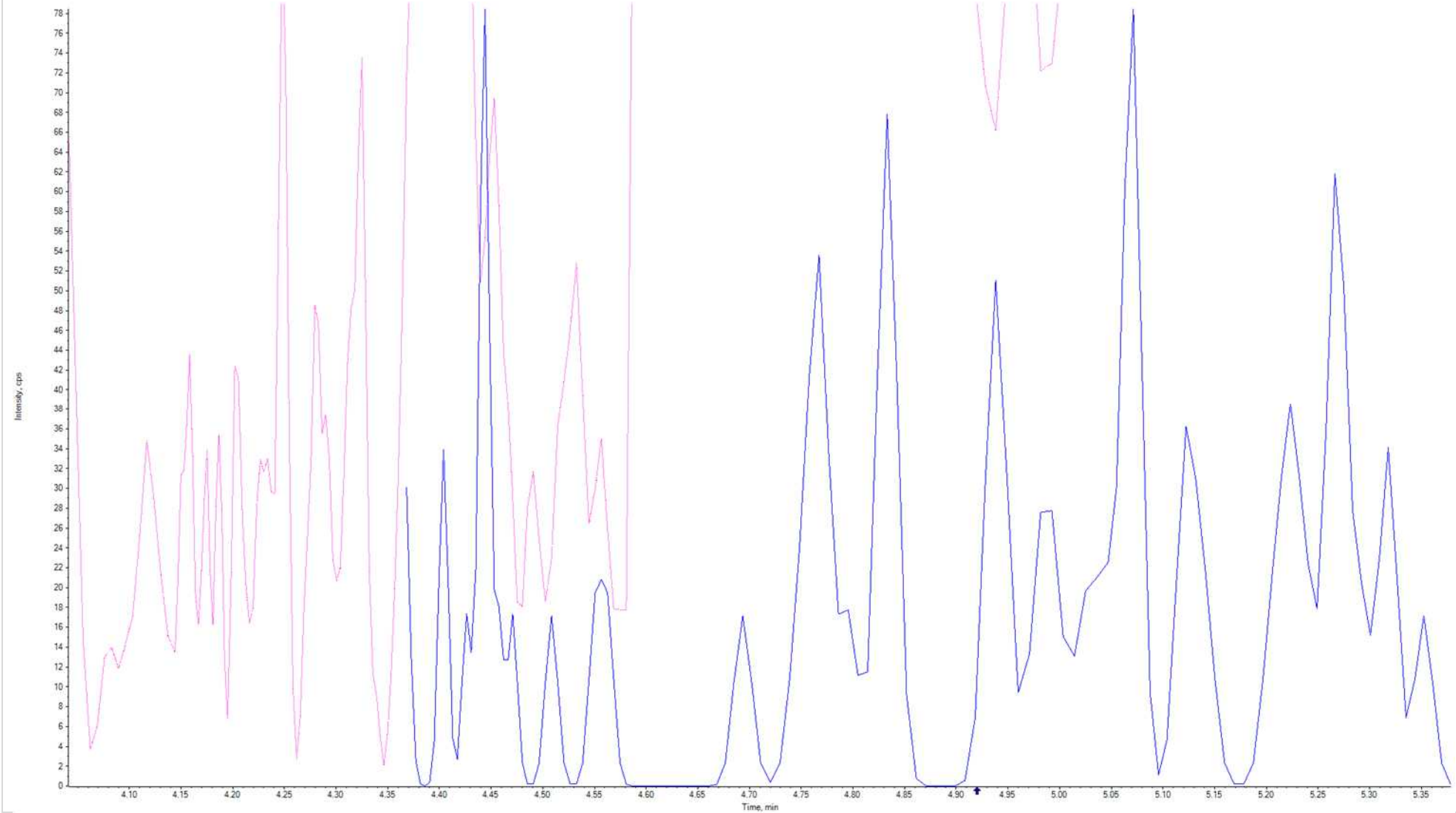

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

3:3FTCA_2
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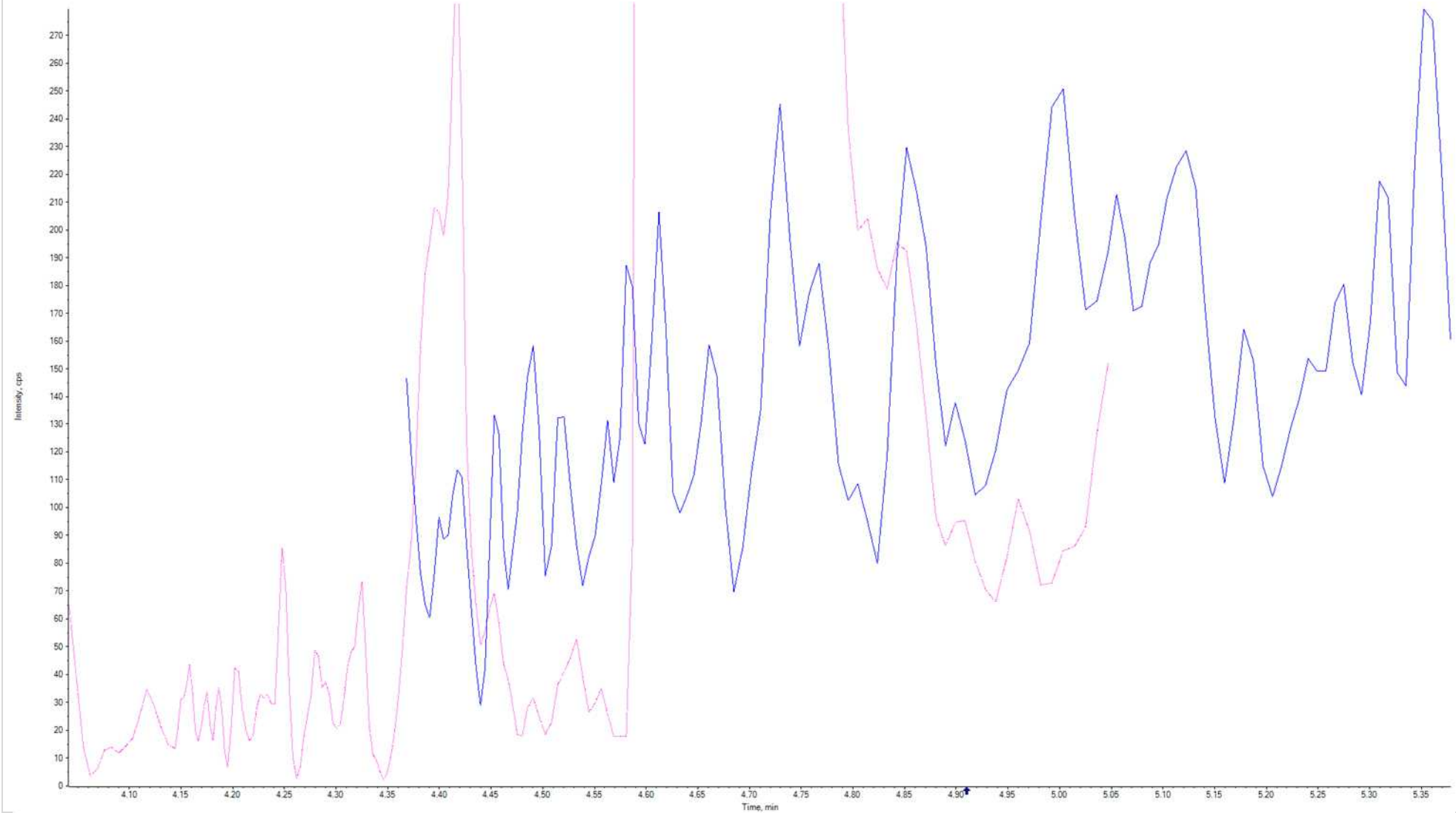

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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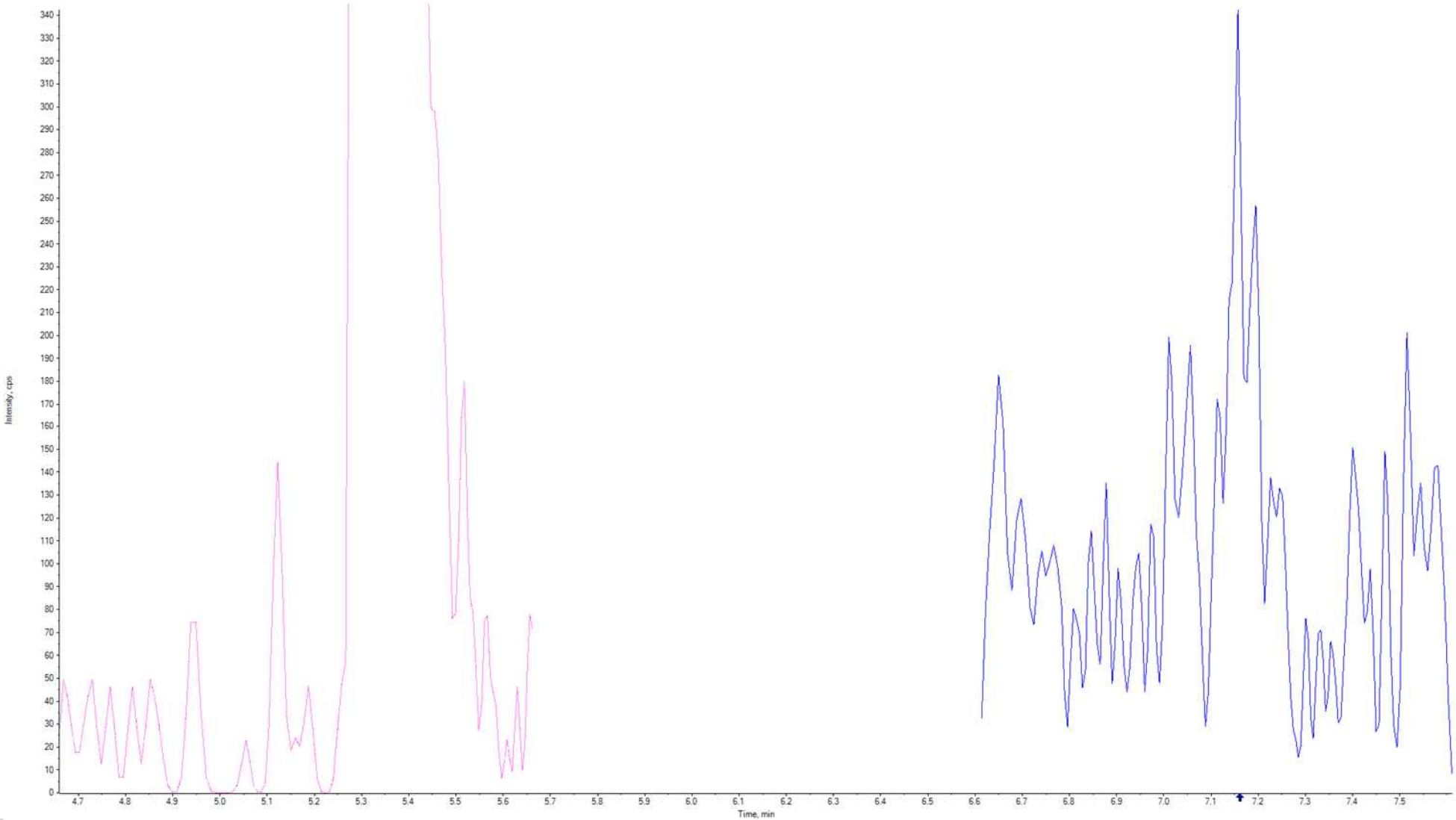
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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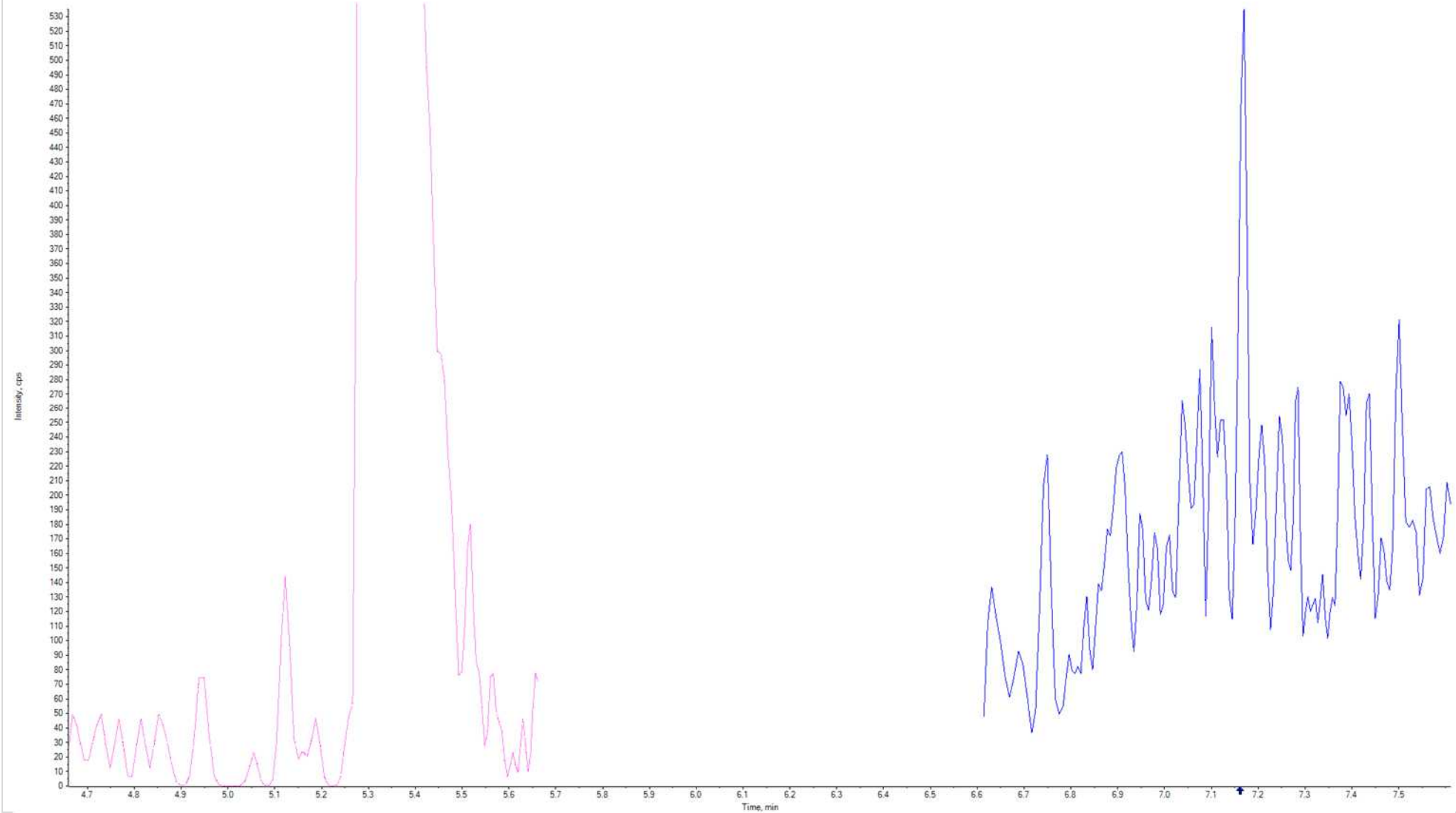
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

5:3FTCA_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA
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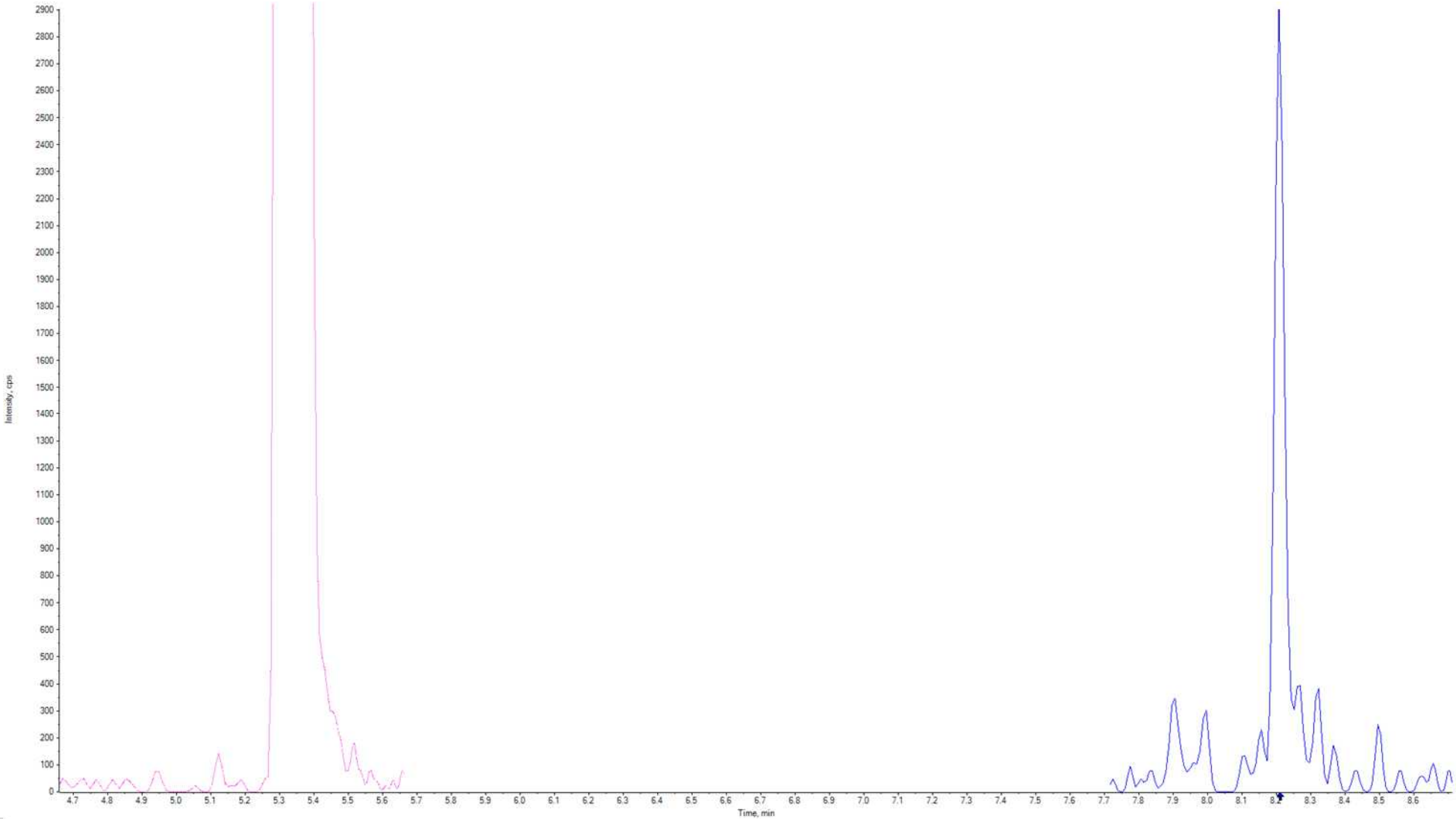
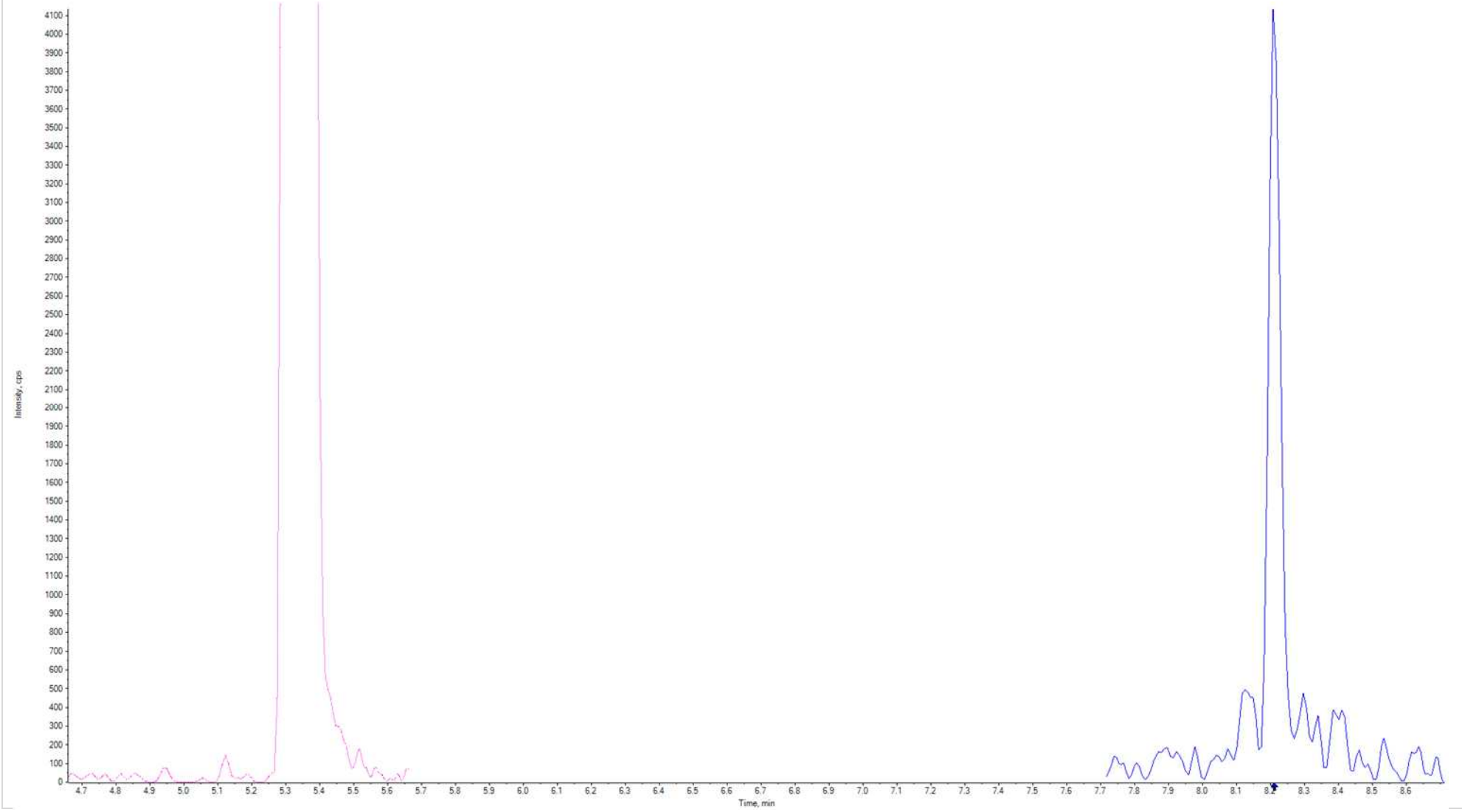


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

7:3FTCA_2
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFEESA
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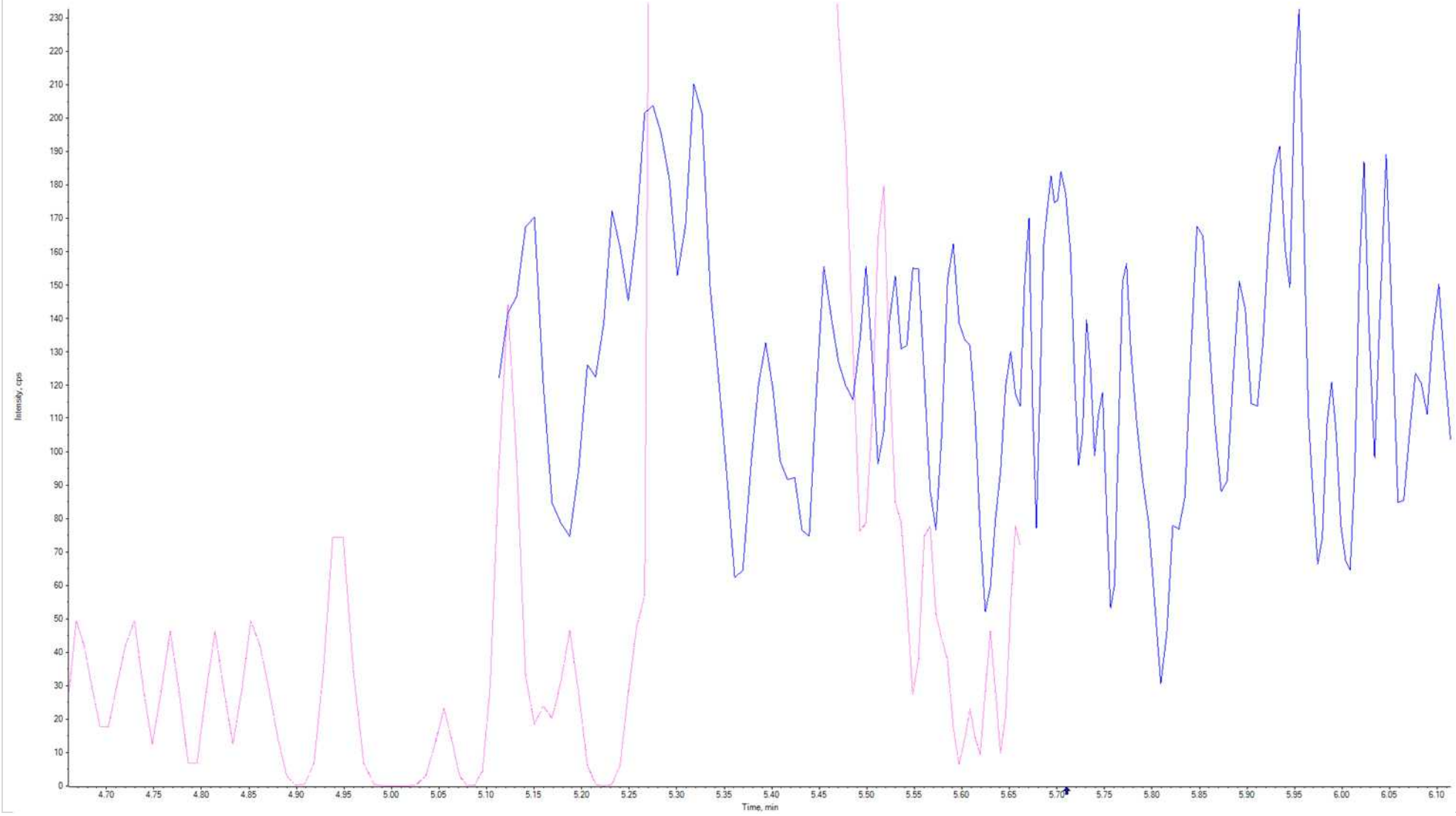

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
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PFEESA_2
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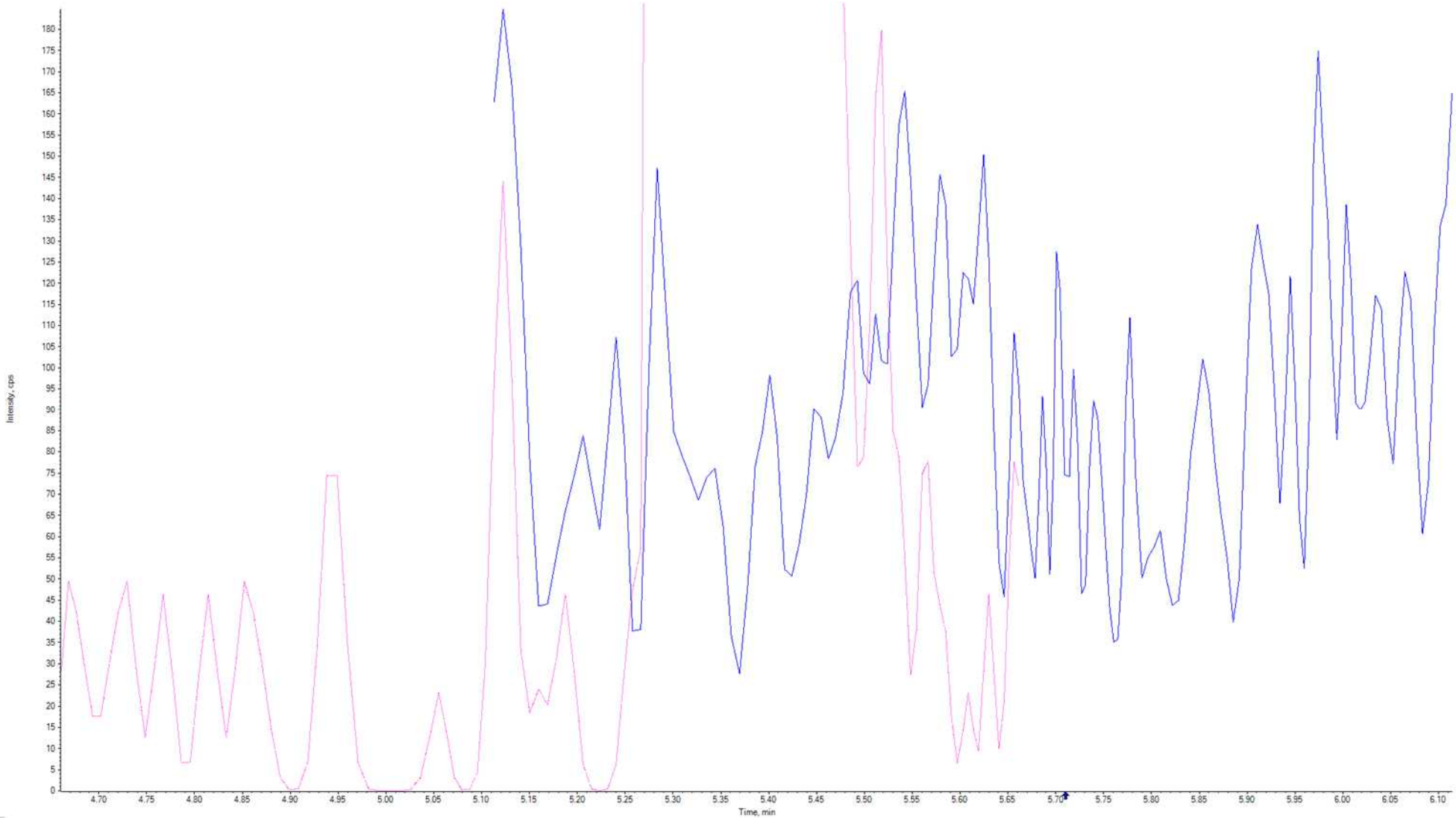

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMPA
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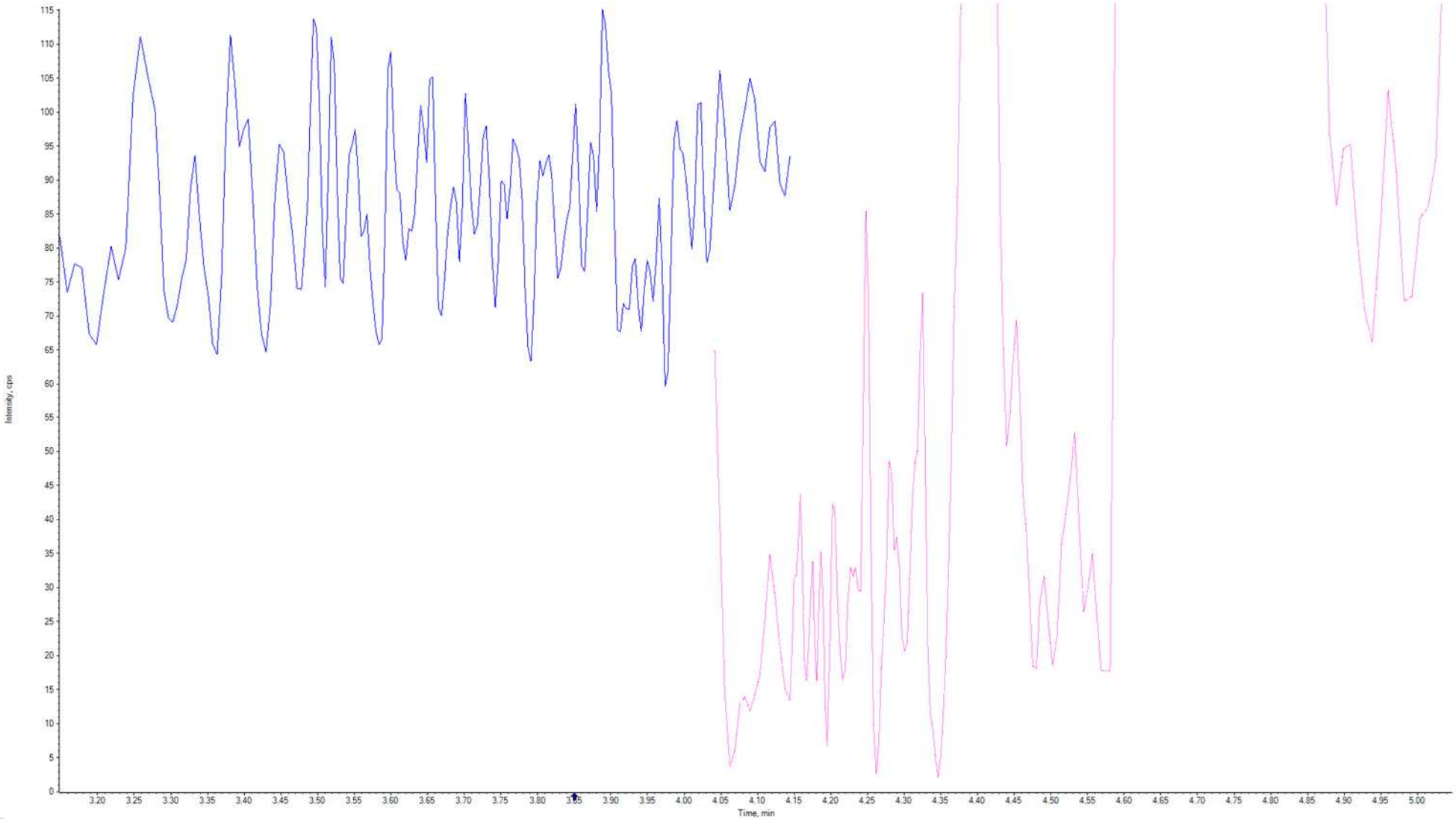

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

PFMBA
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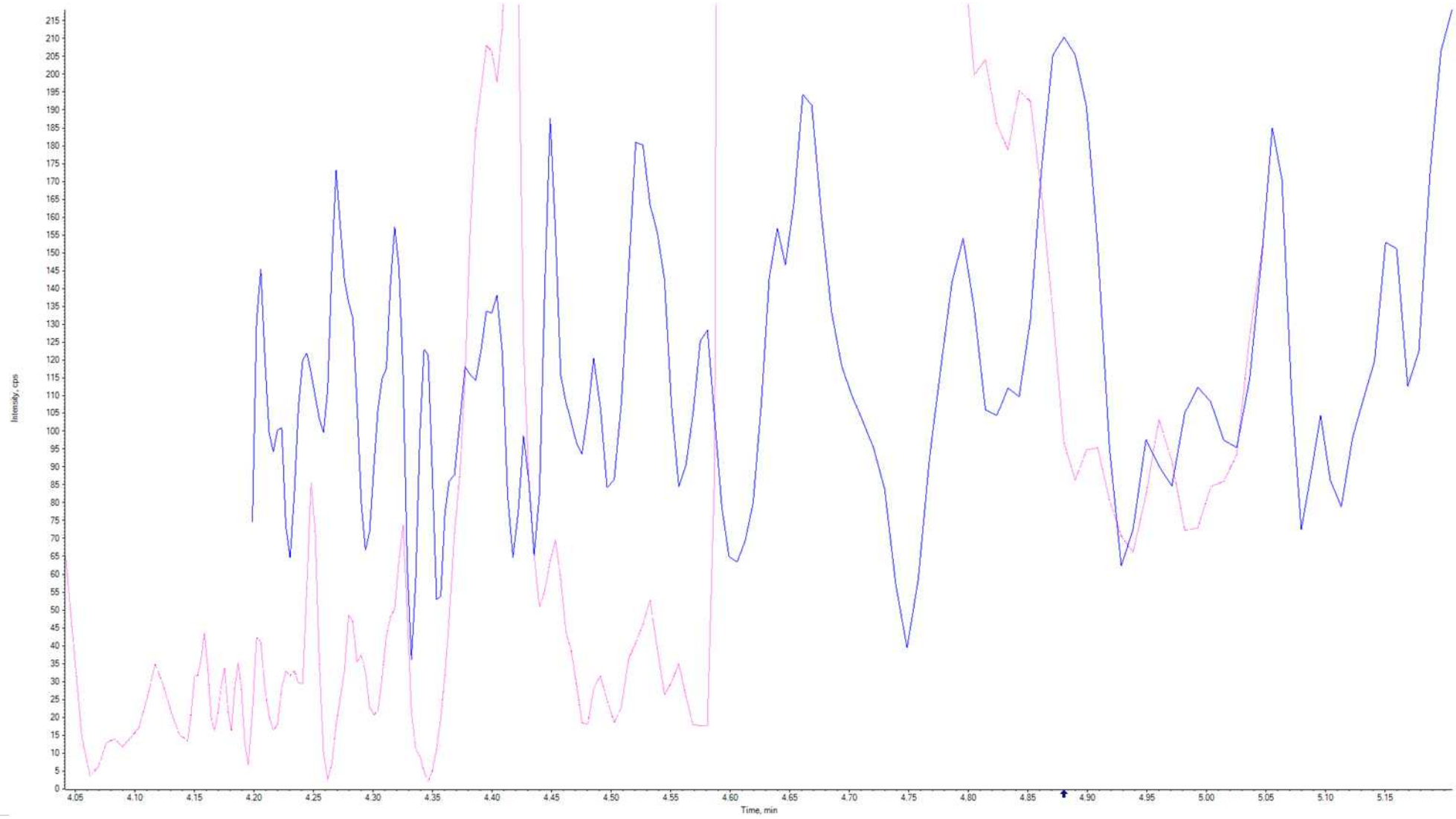

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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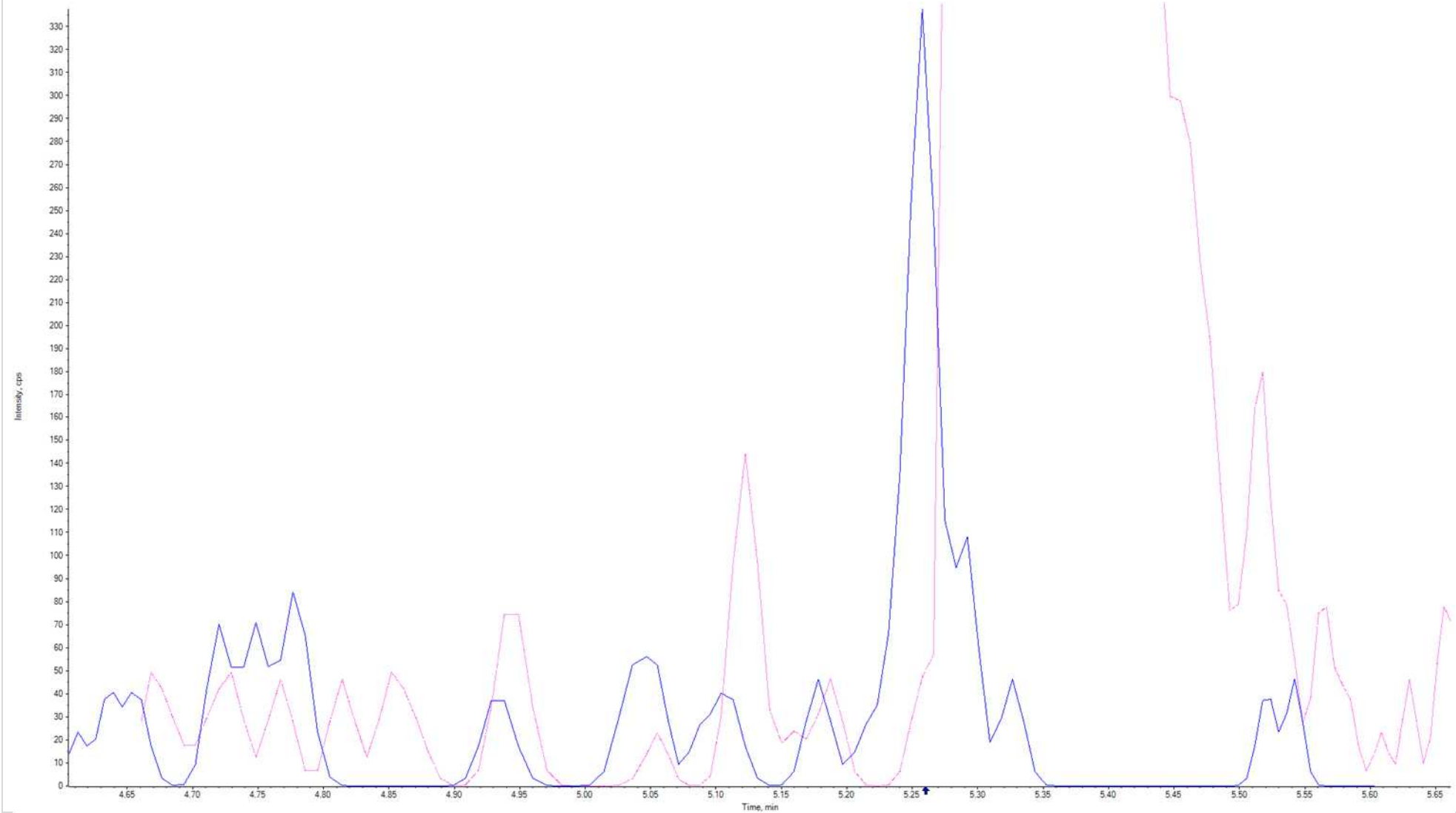
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA
Sample: WG1958909-6,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

NFDHA_2
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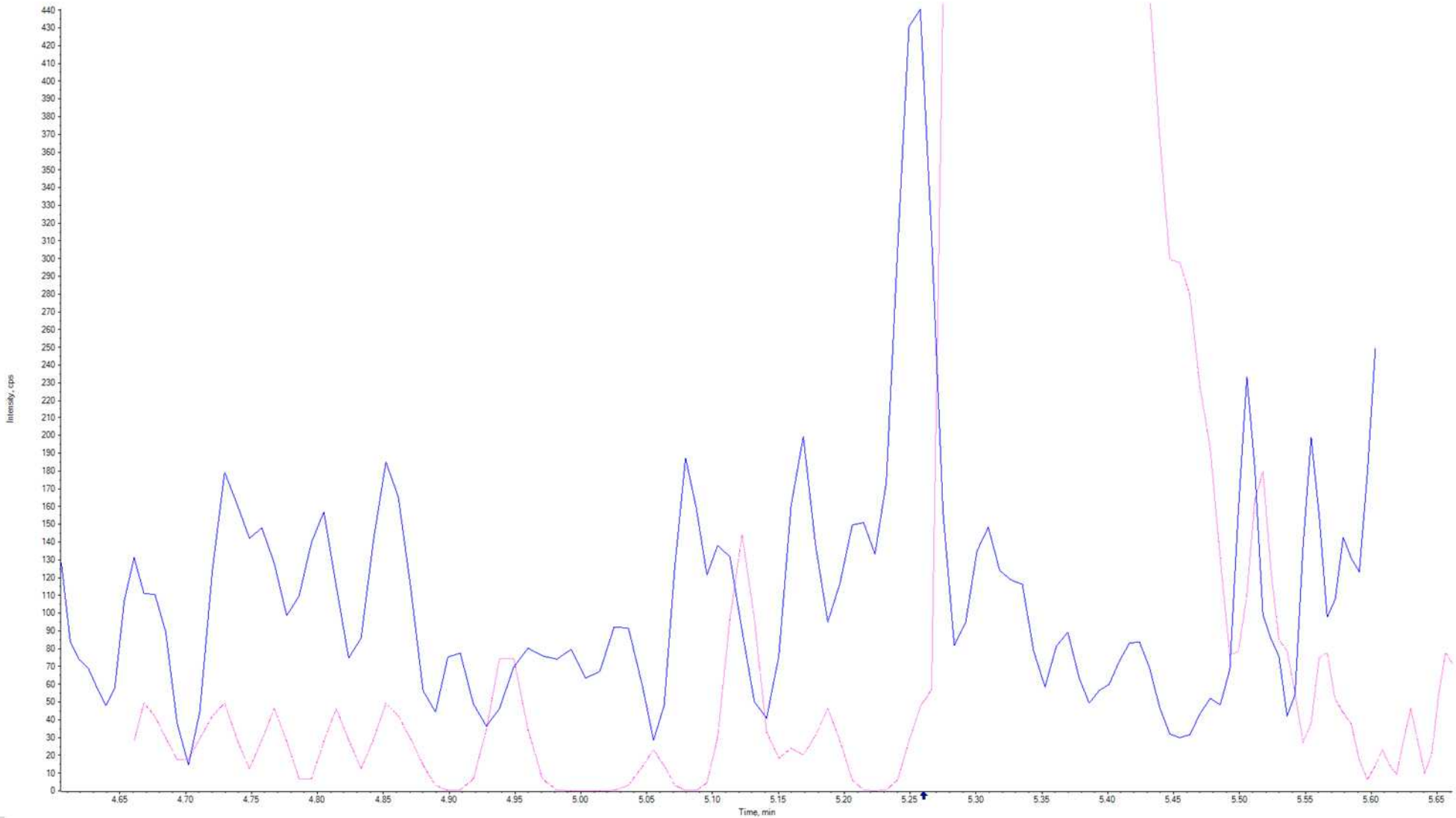

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA
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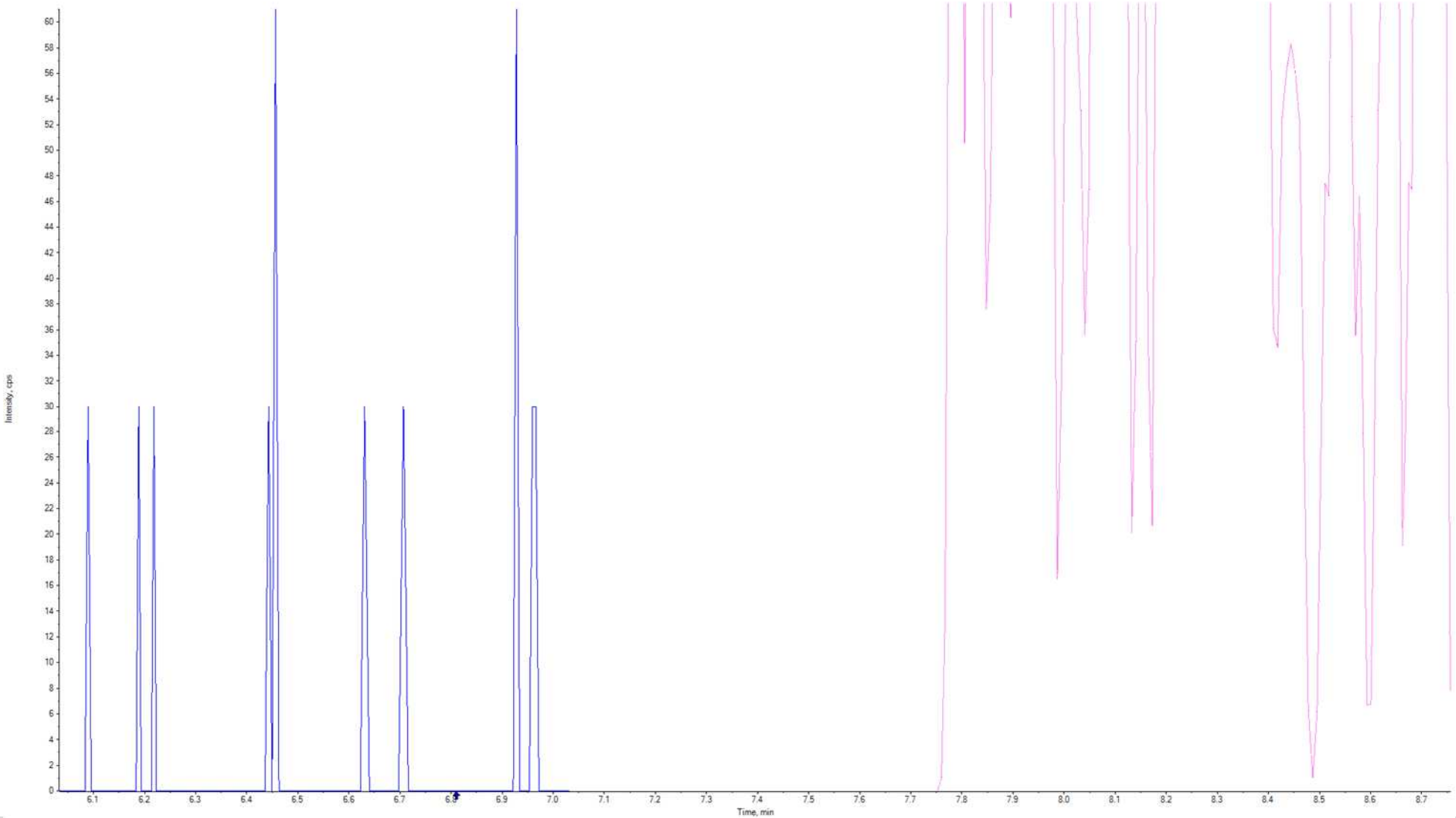

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

TDCA_2
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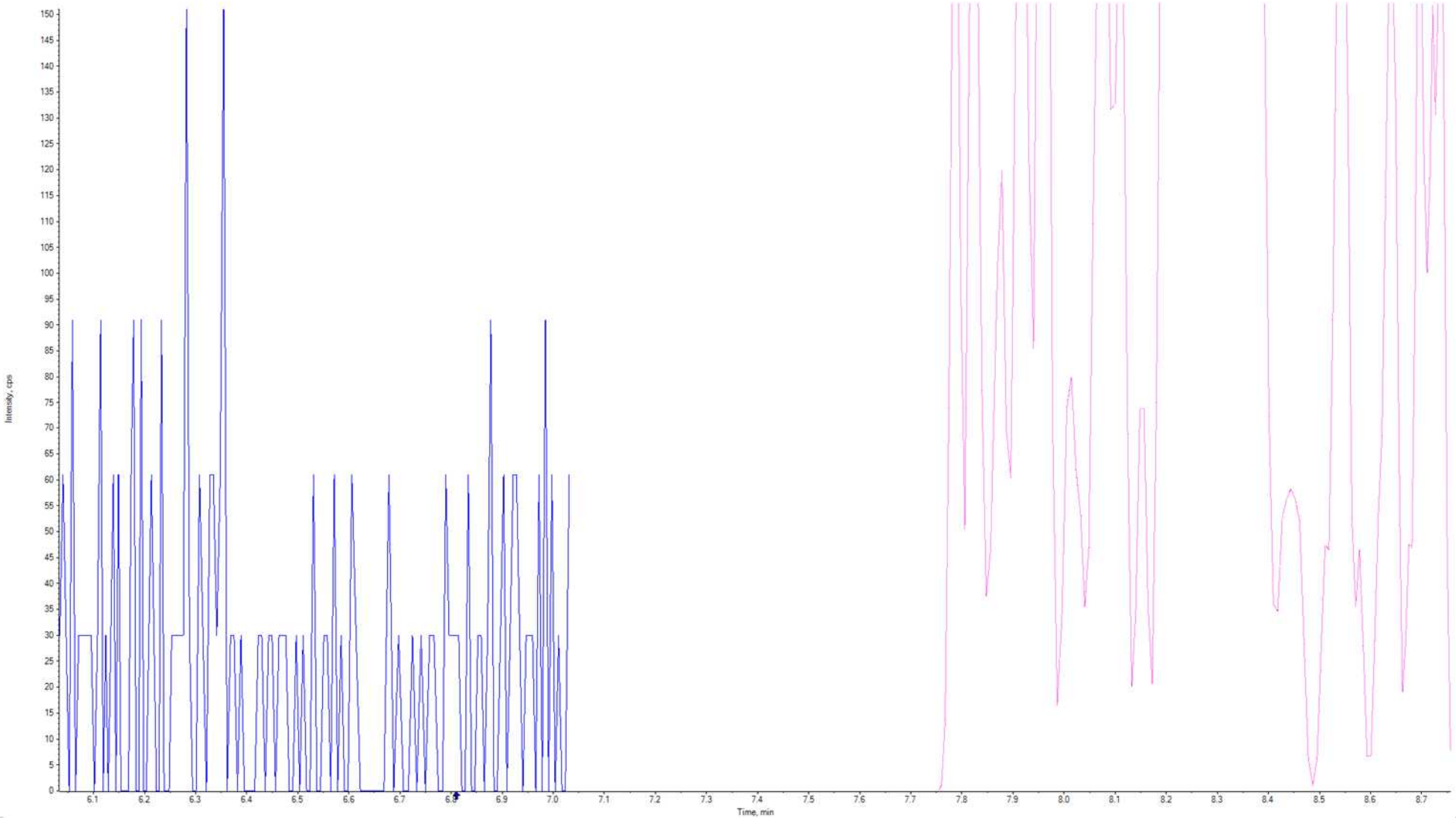

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2D4-4:2FTS
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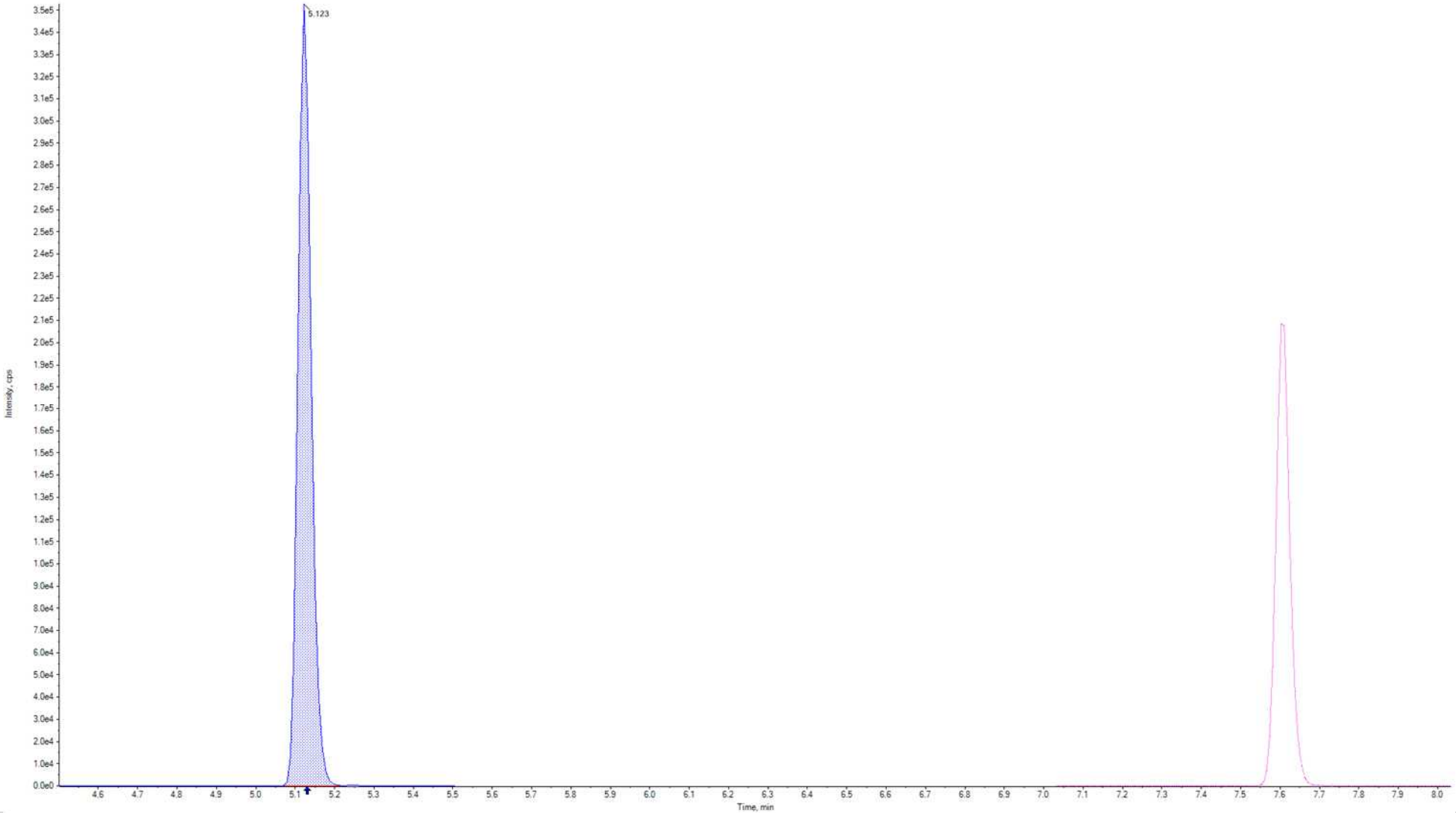

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C2-PFOA
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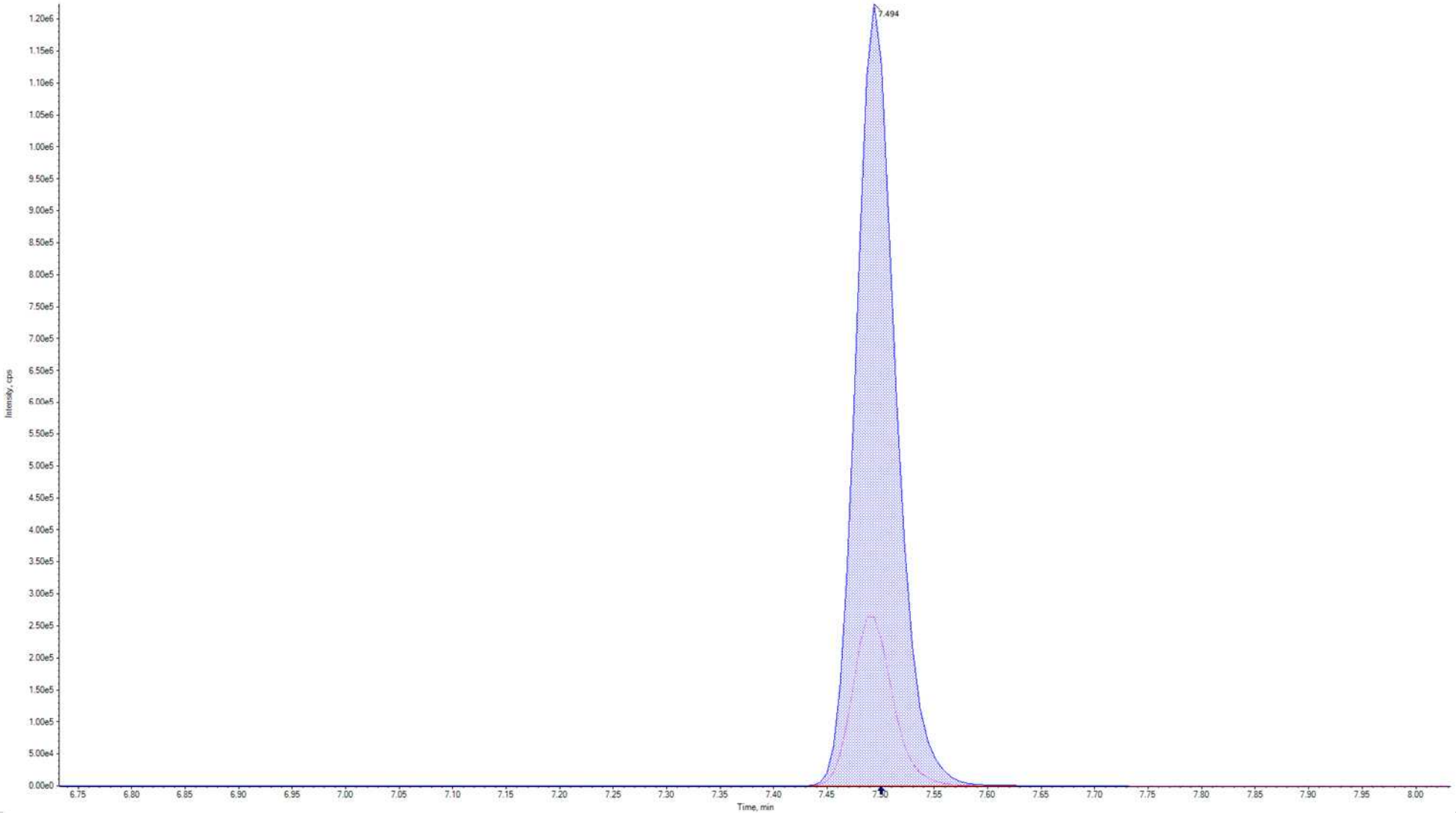
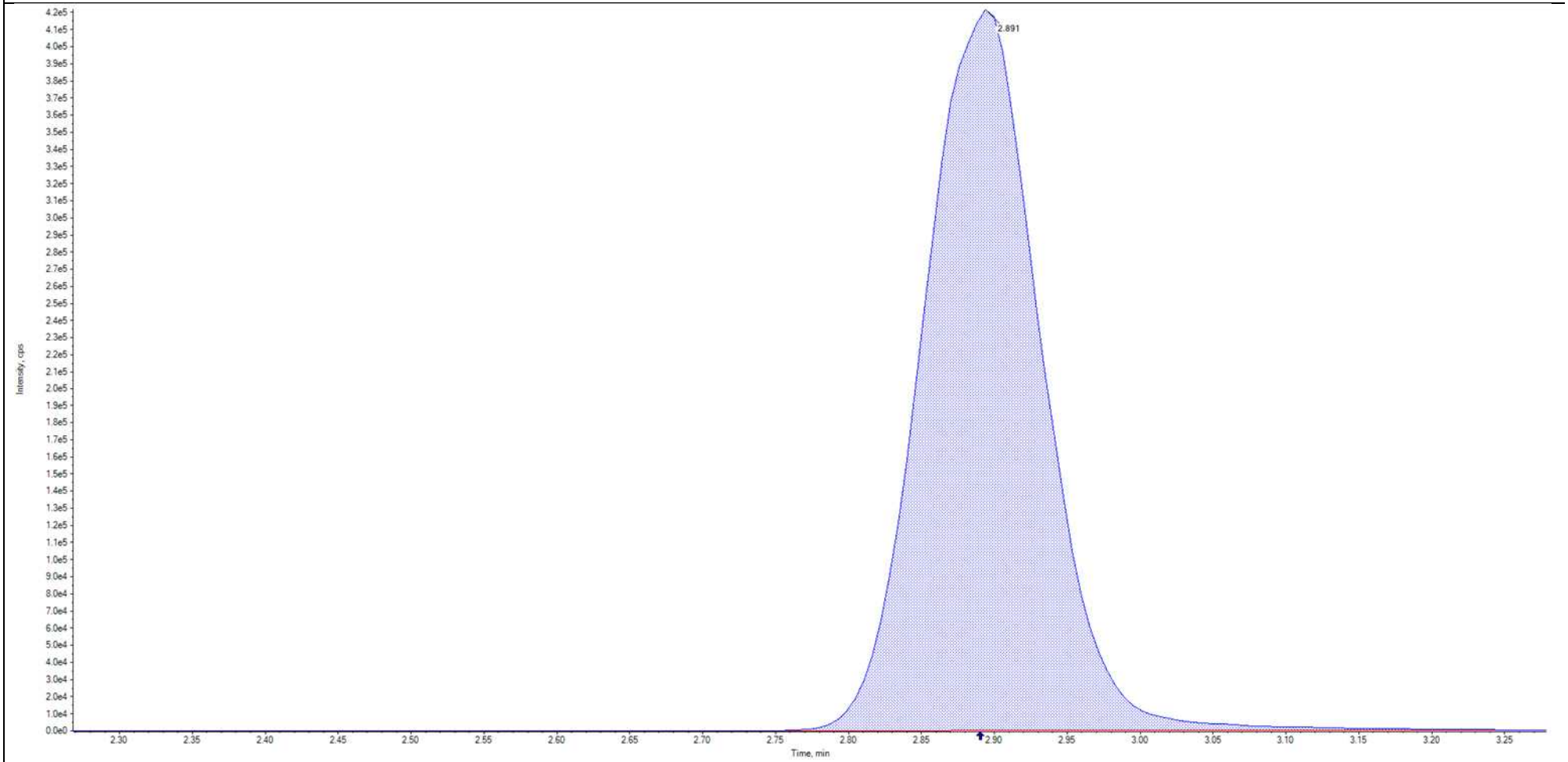
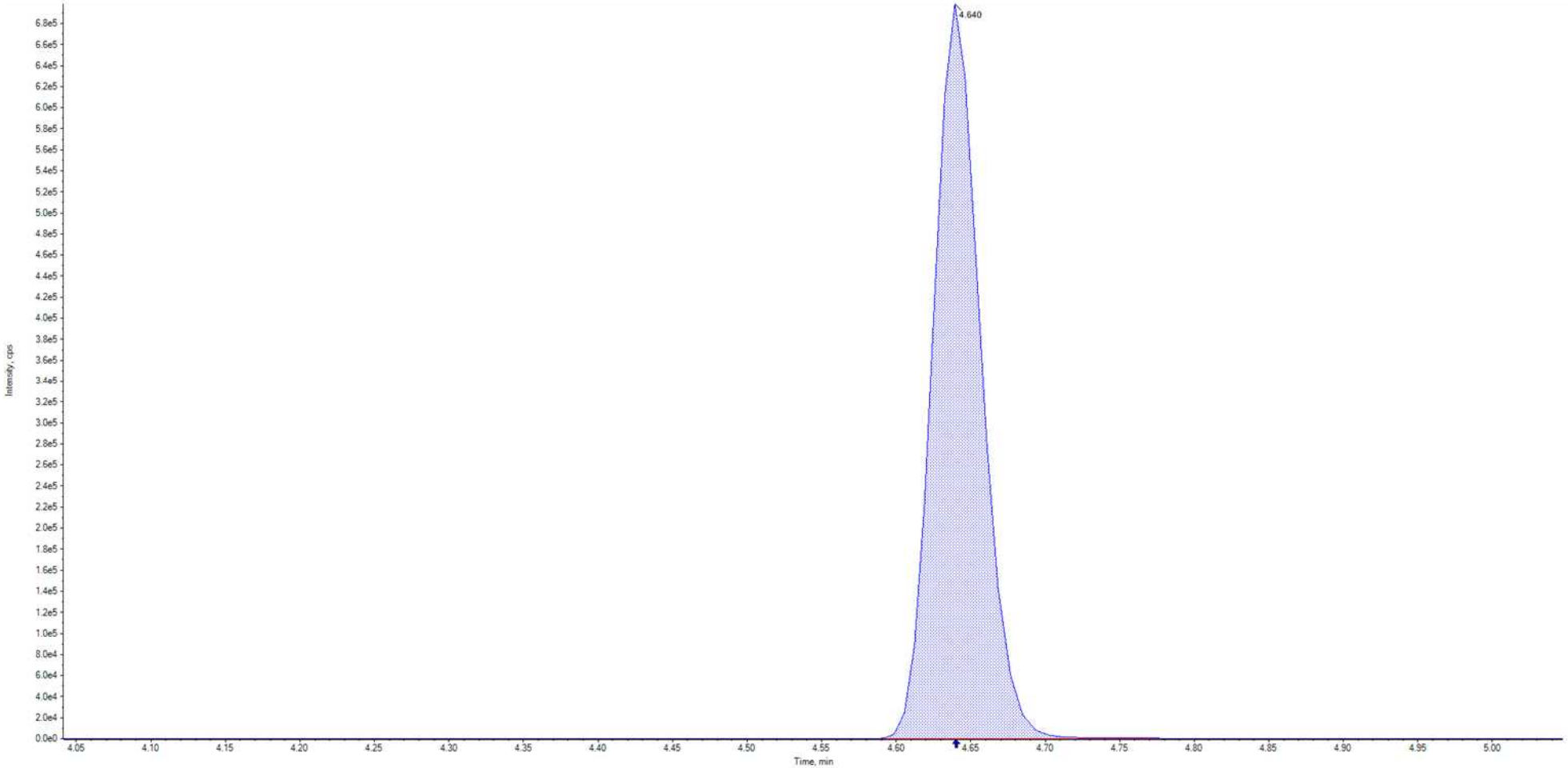


13C4-PFBA
Sample: WG1958909-6,INSTBLANK

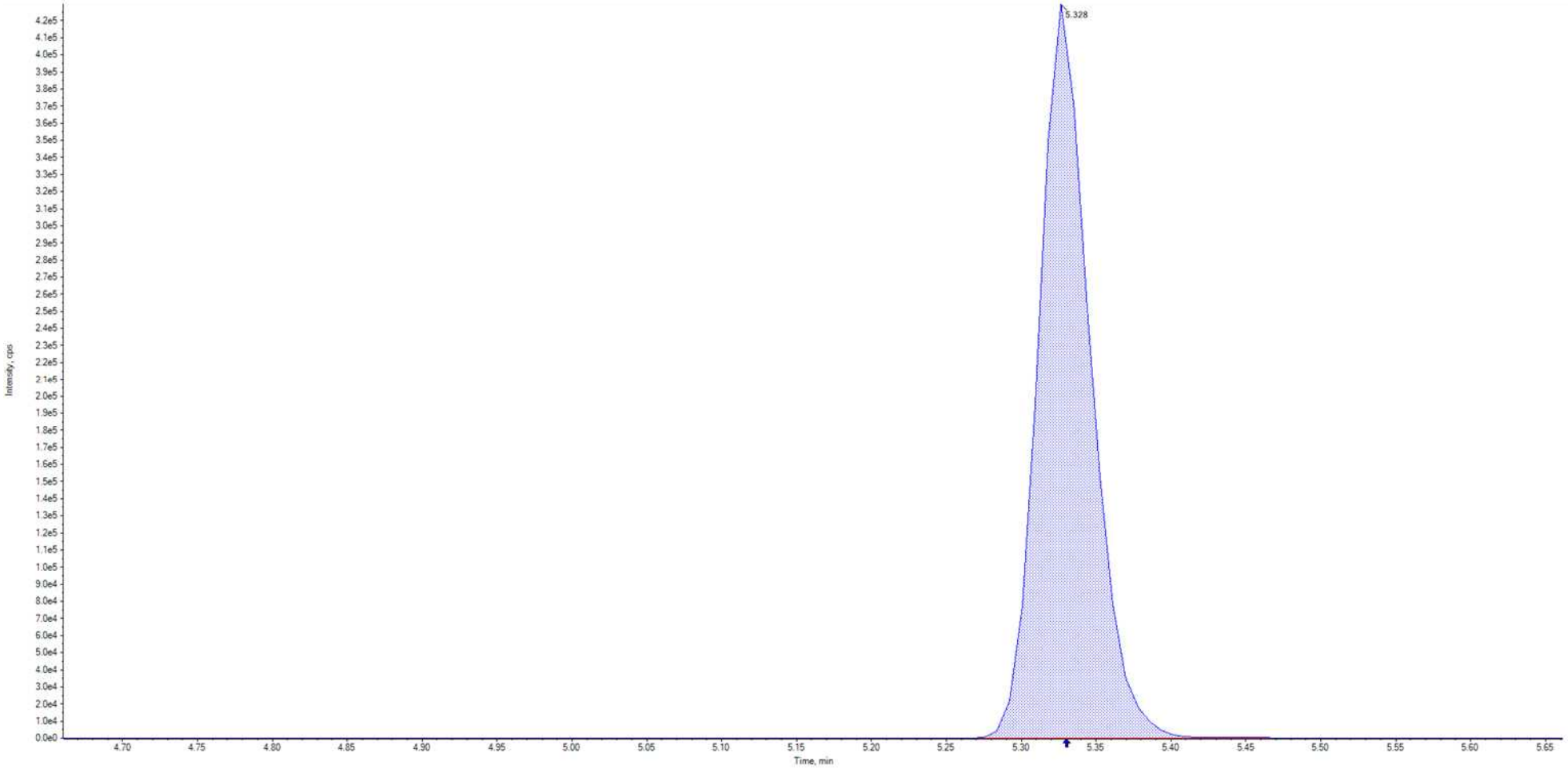


13C5-PFPeA
Sample: WG1958909-6,INSTBLANK



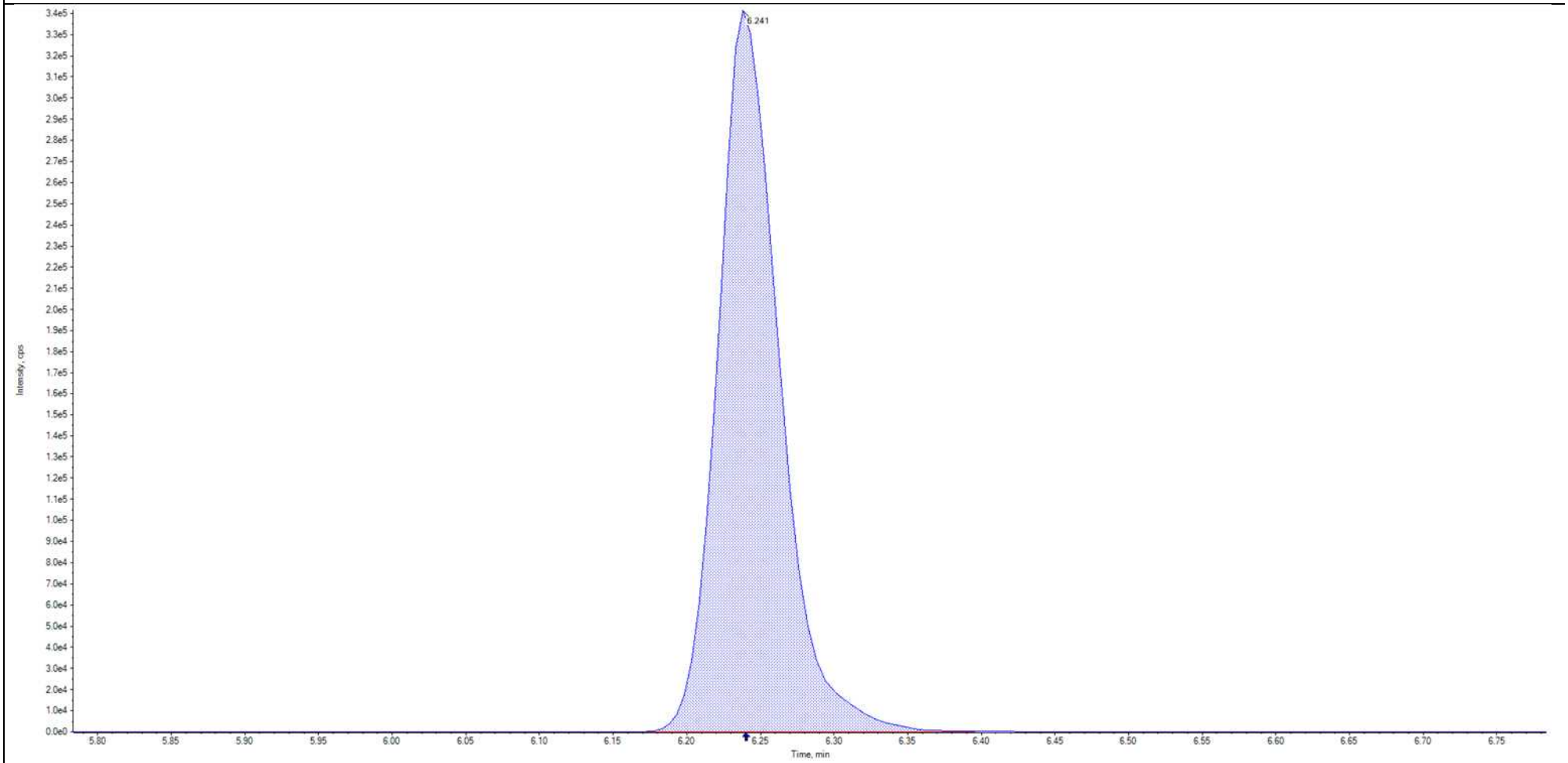
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C5-PFHxA
Sample: WG1958909-6,INSTBLANK

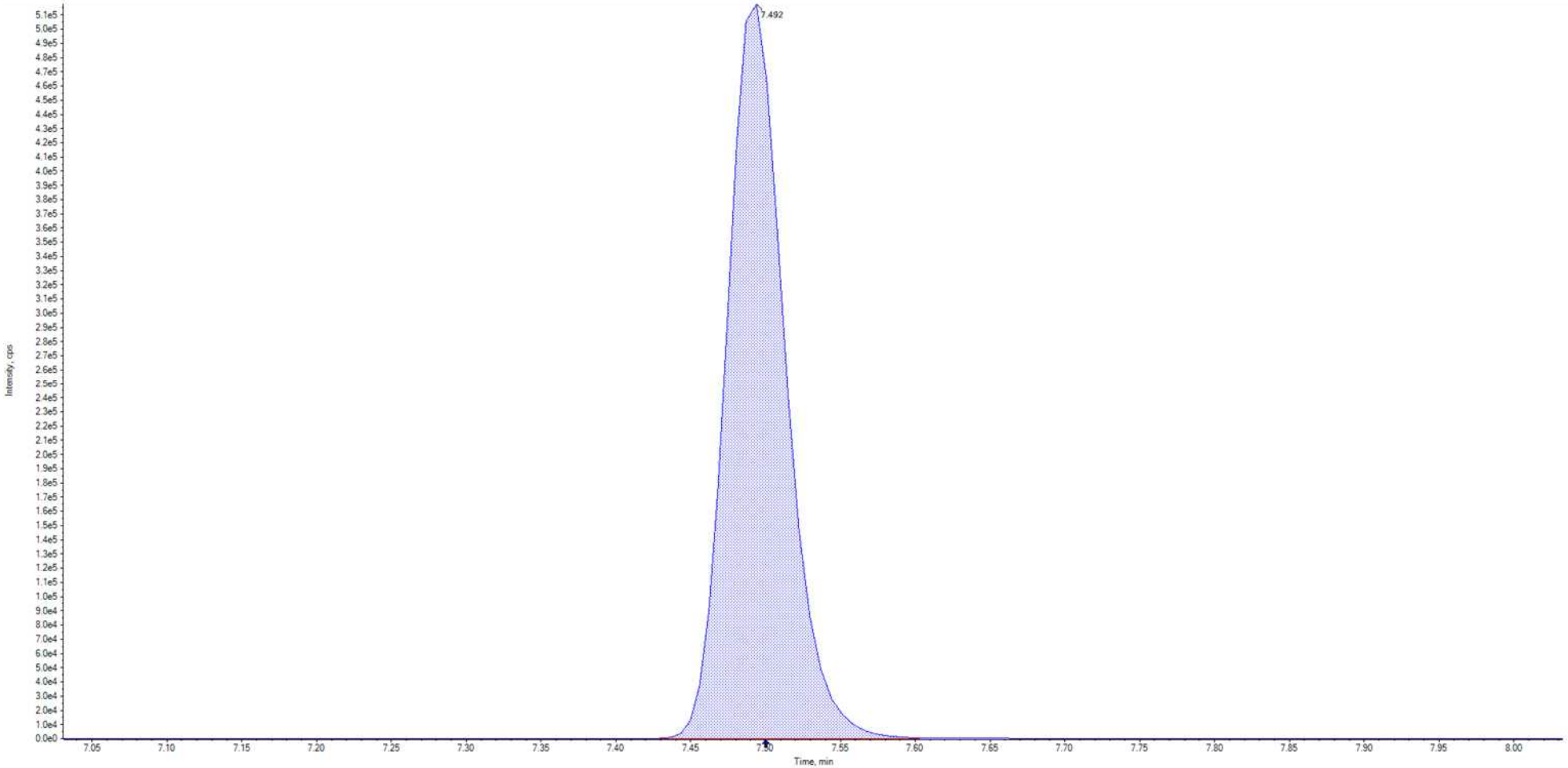


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFHpA
Sample: WG1958909-6,INSTBLANK



13C8-PFOA
Sample: WG1958909-6,INSTBLANK



13C9-PFNA
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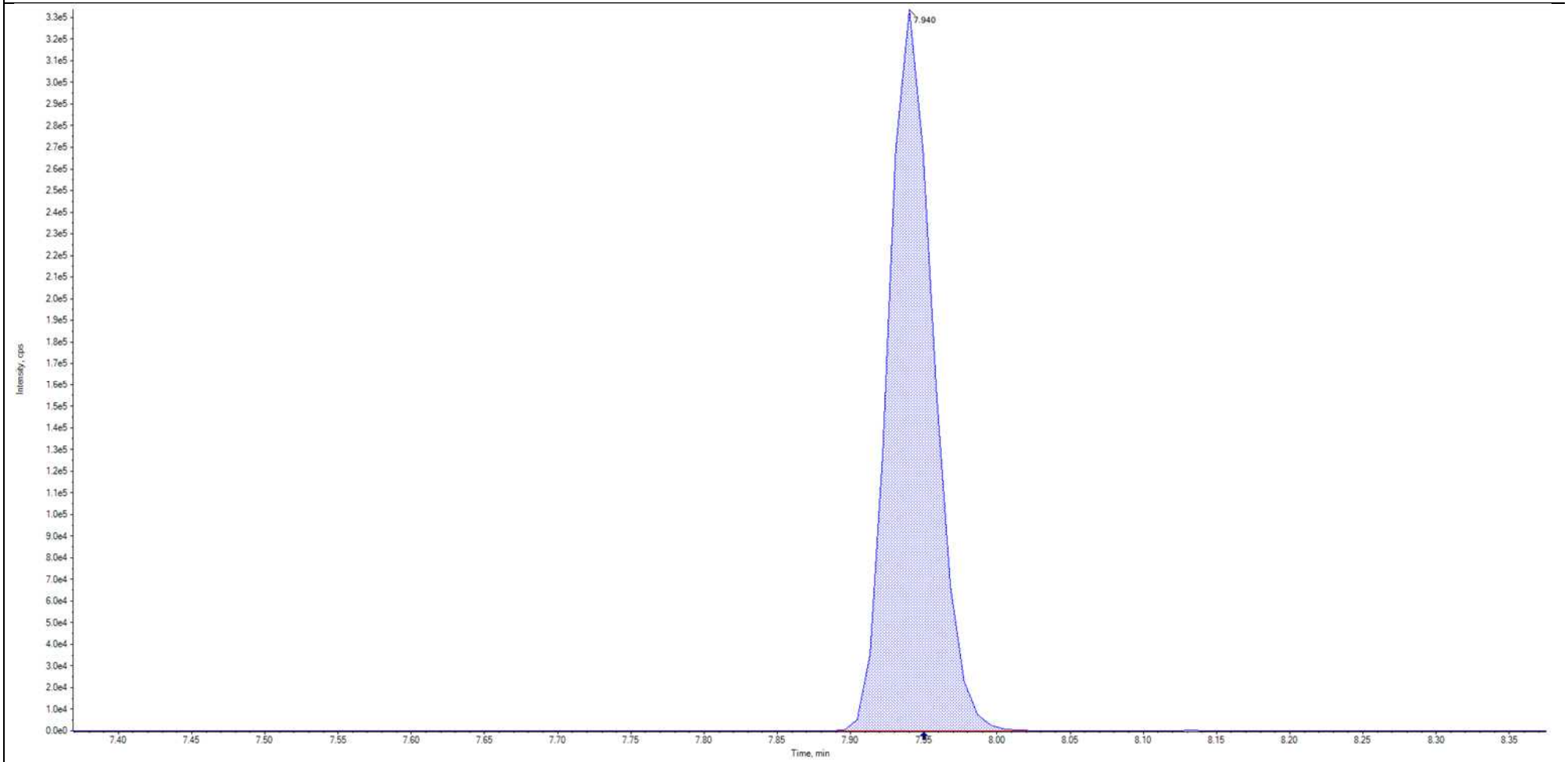
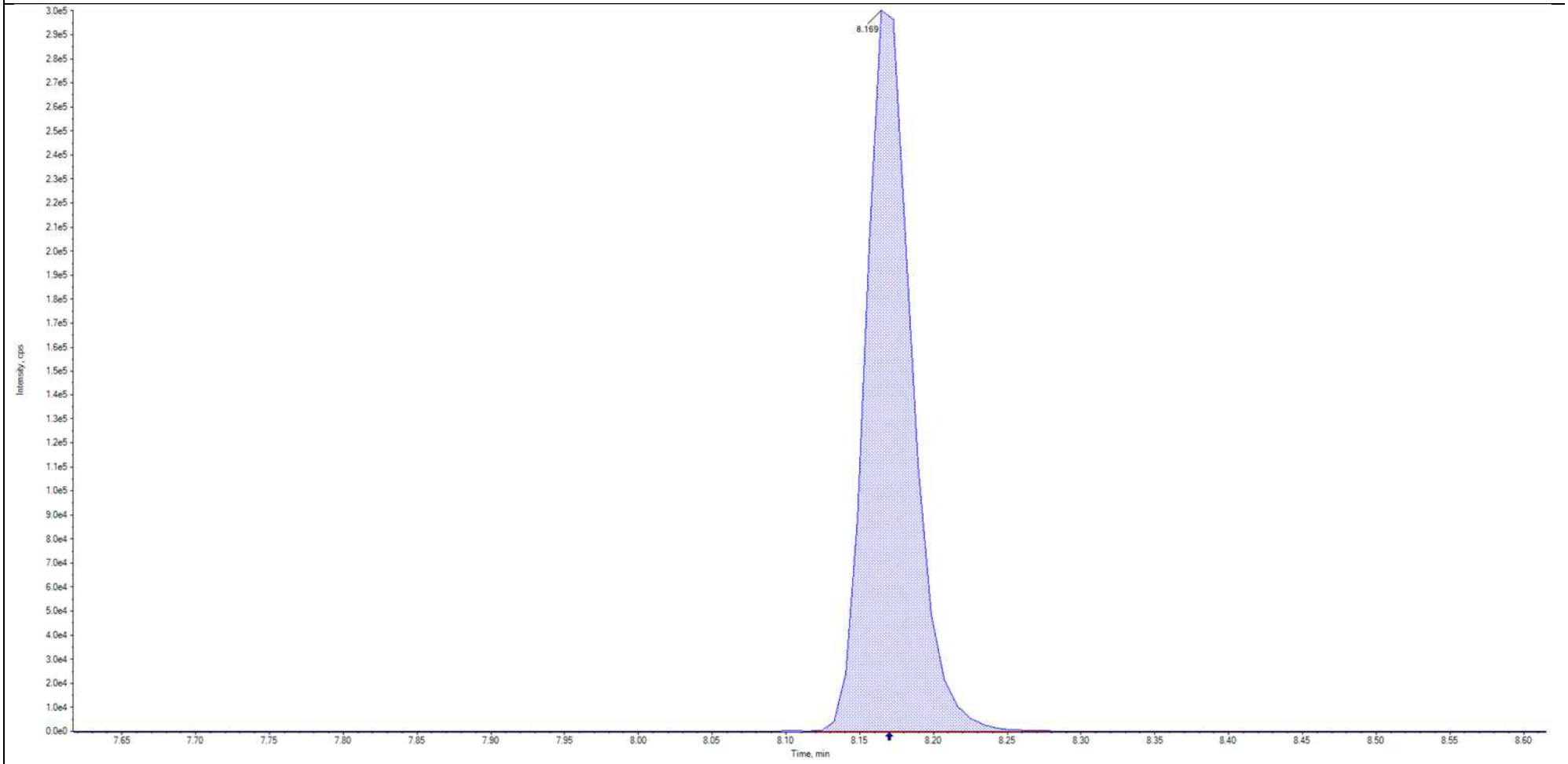
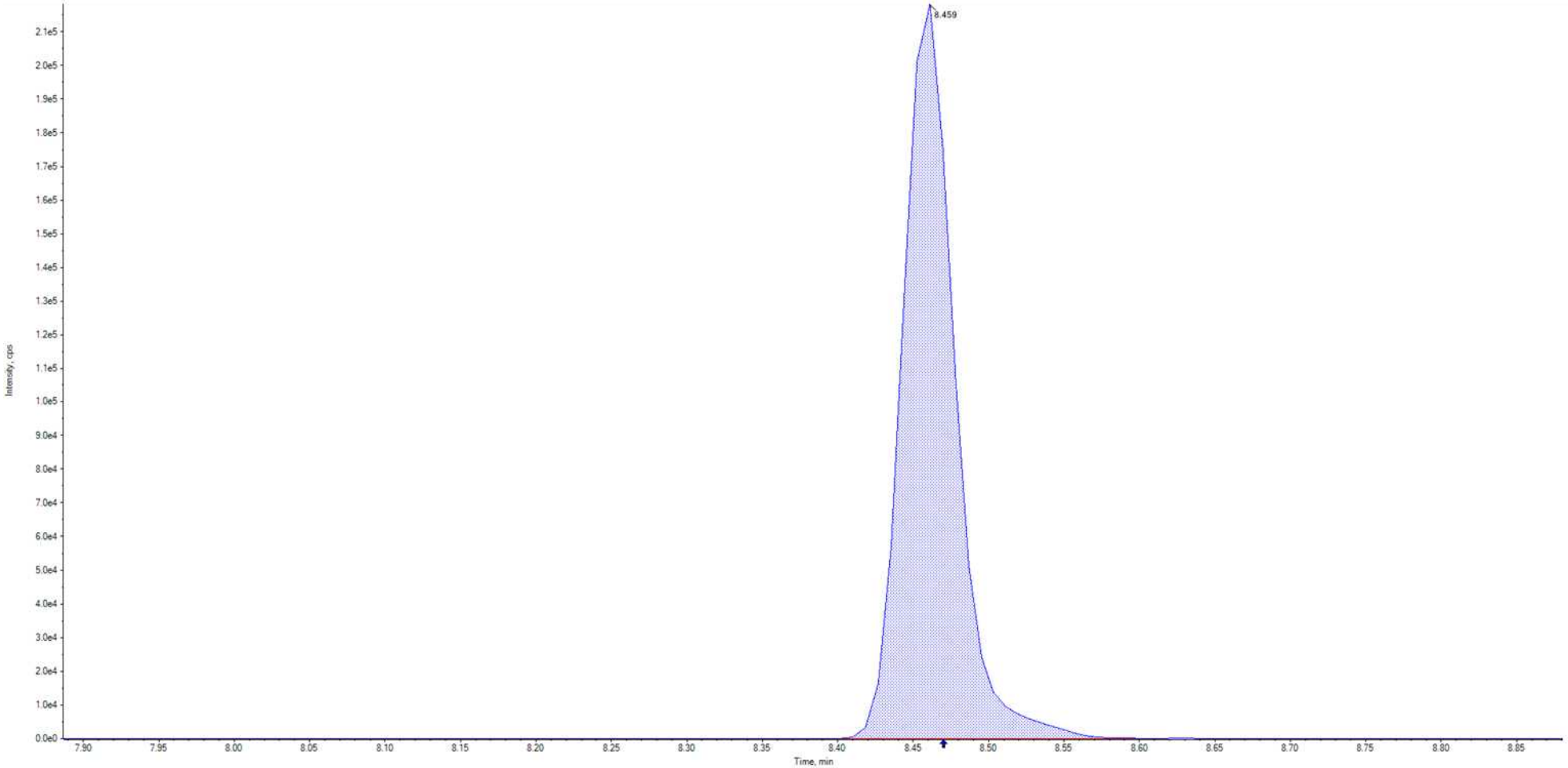


13C6-PFDA
Sample: WG1958909-6,INSTBLANK

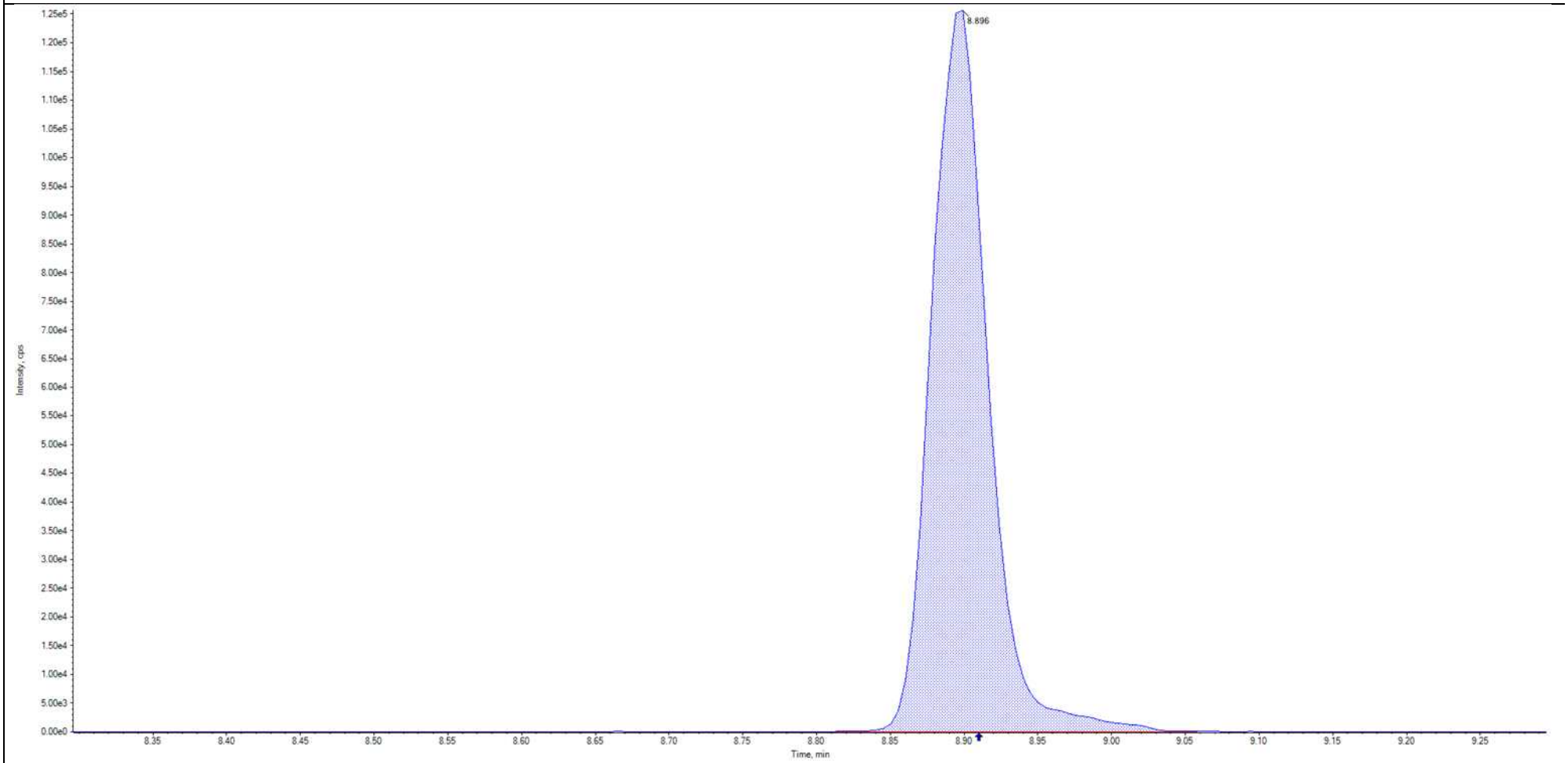


13C7-PFUnA
Sample: WG1958909-6,INSTBLANK

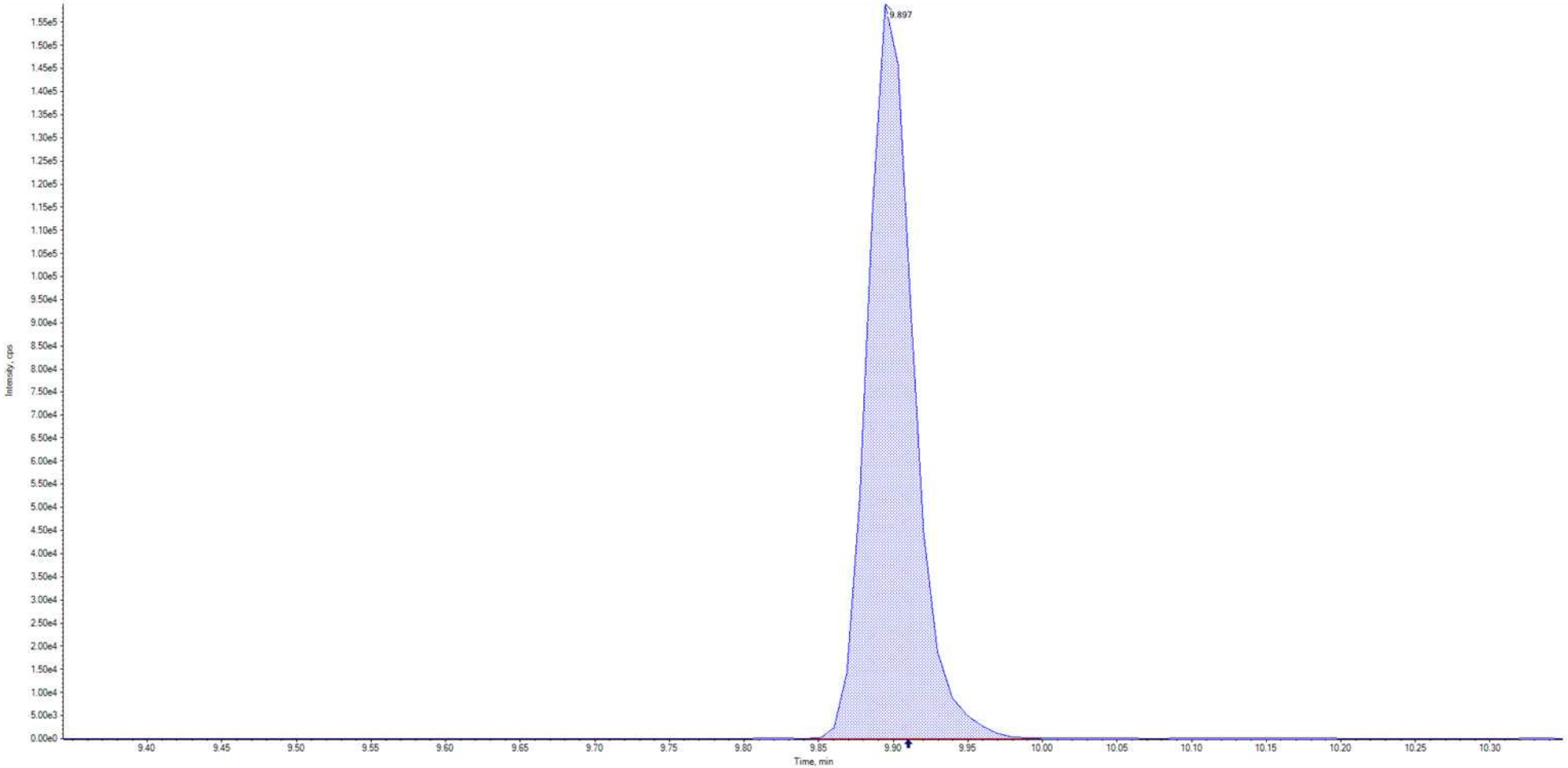


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

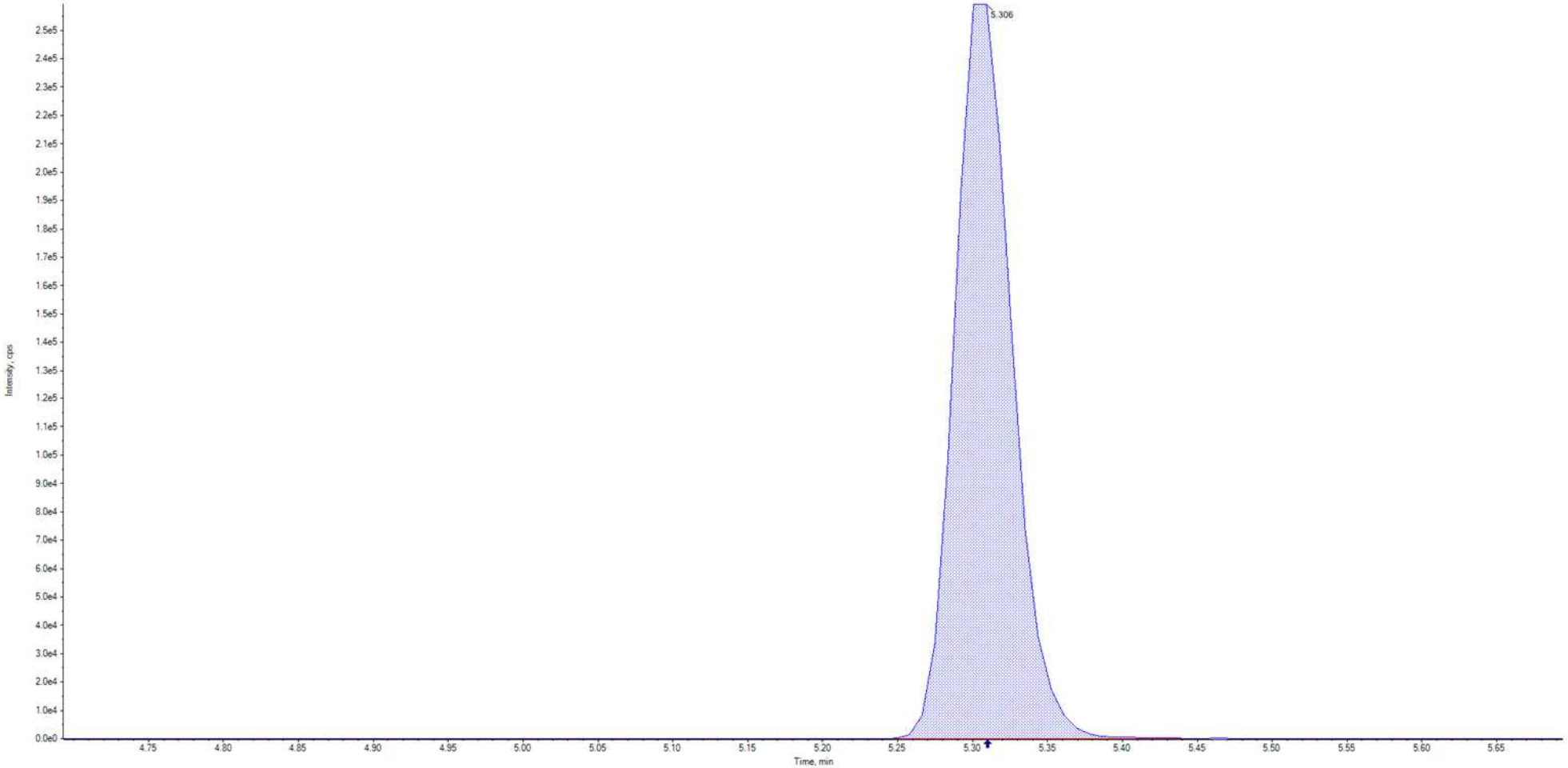
13C2-PFDoA
Sample: WG1958909-6,INSTBLANK



13C2-PFTeDA
Sample: WG1958909-6,INSTBLANK

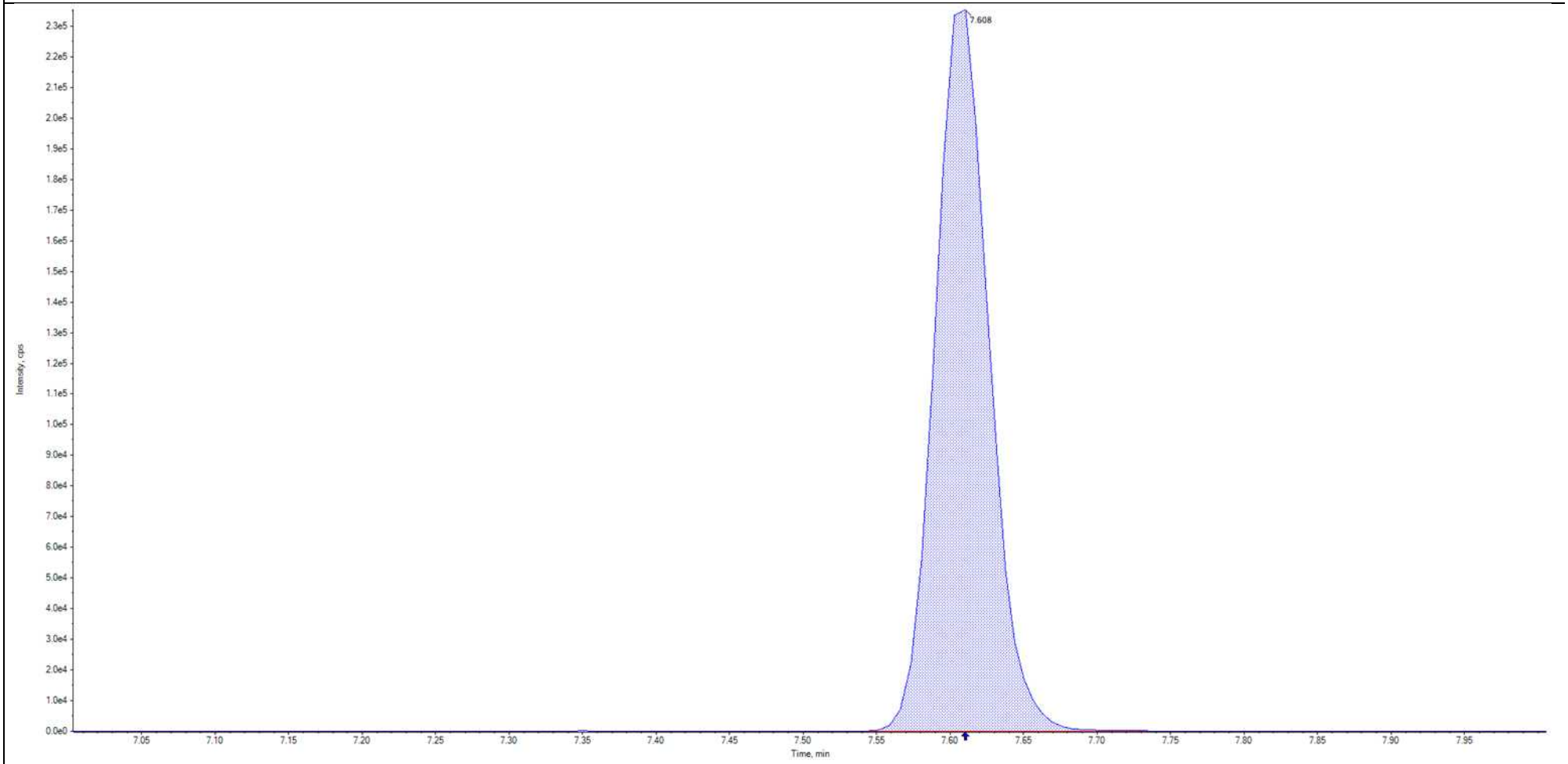


13C3-PFBS
Sample: WG1958909-6,INSTBLANK

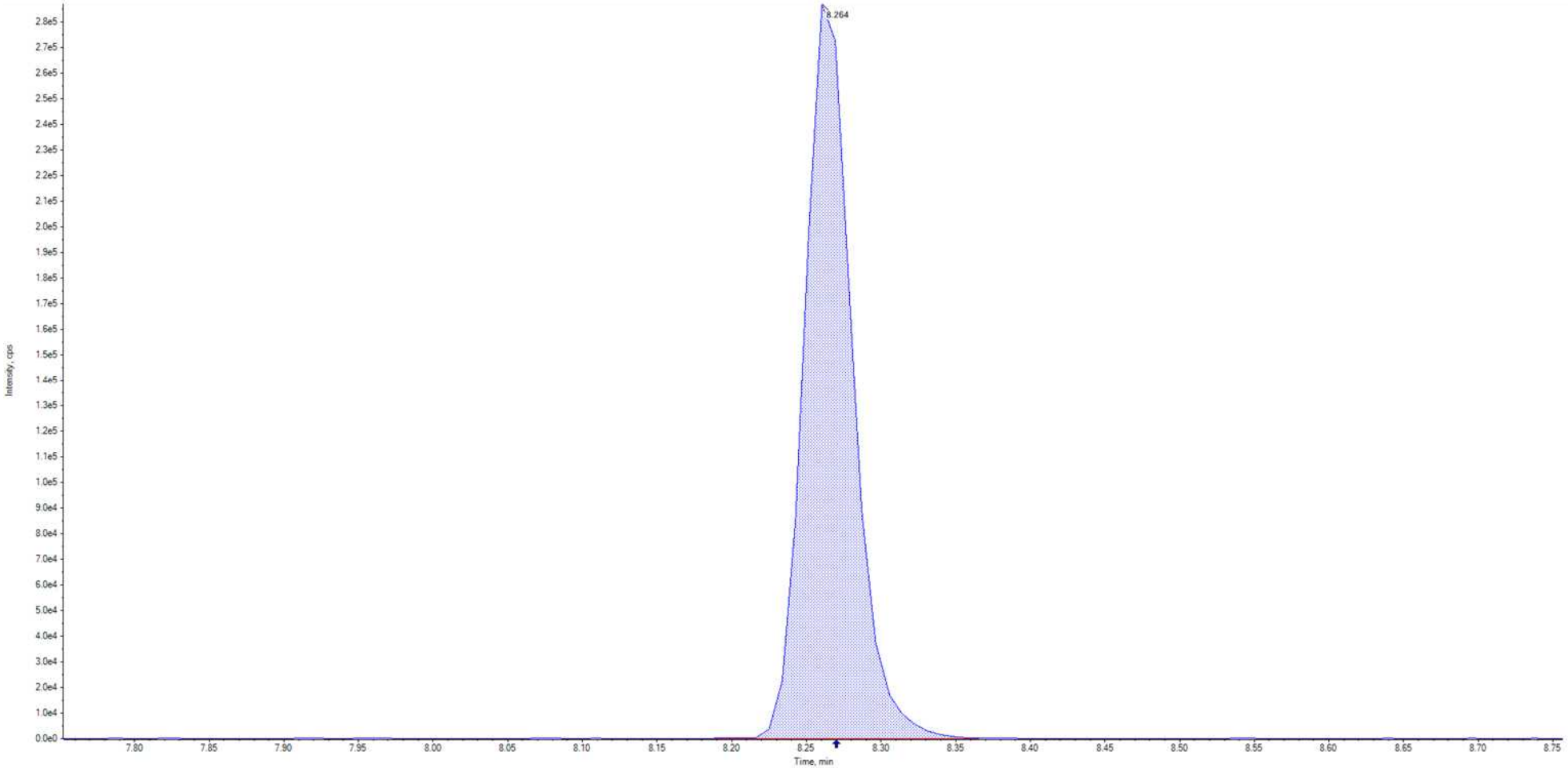


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

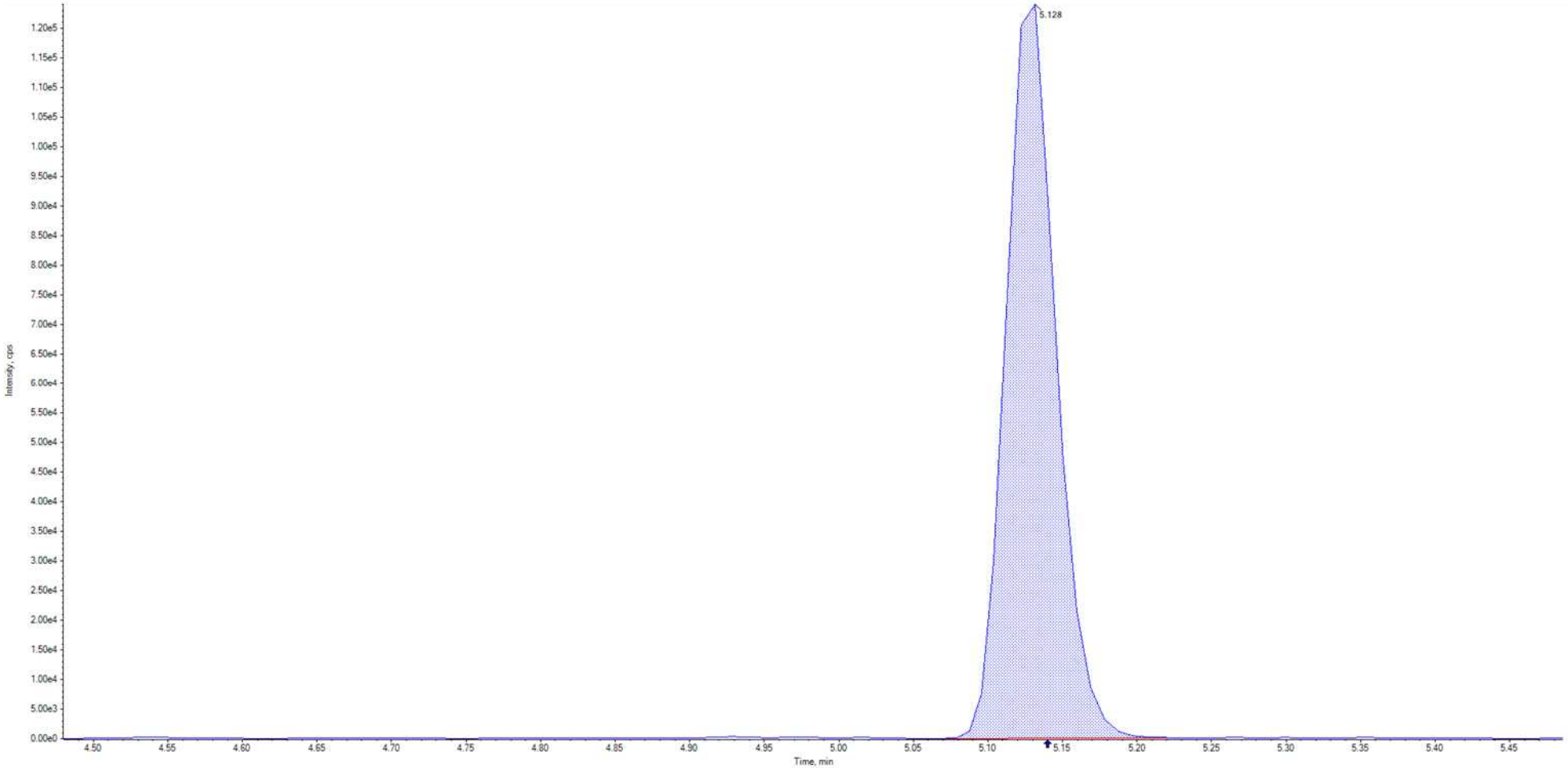
13C3-PFHxS
Sample: WG1958909-6,INSTBLANK



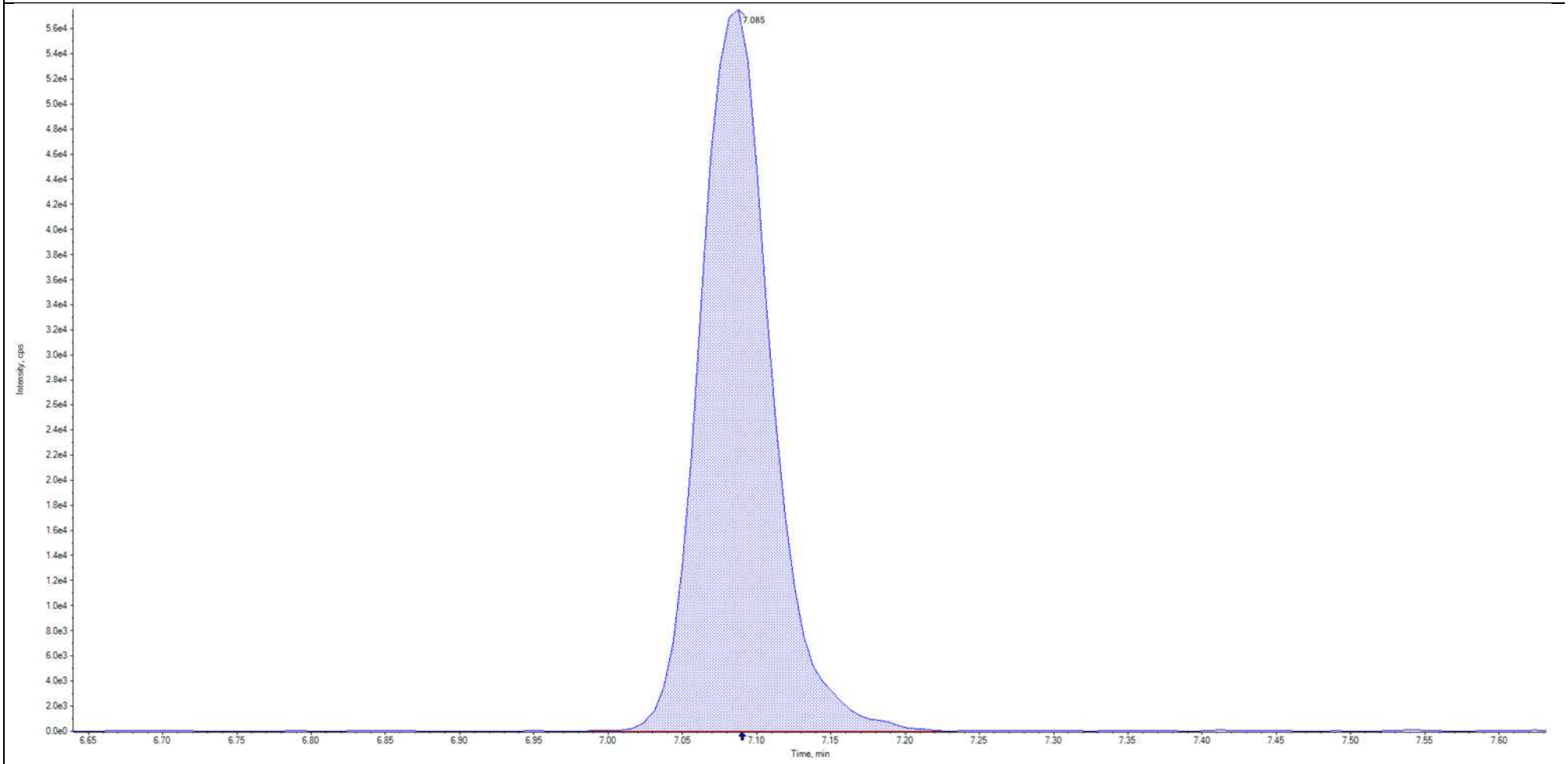
13C8-PFOS
Sample: WG1958909-6,INSTBLANK



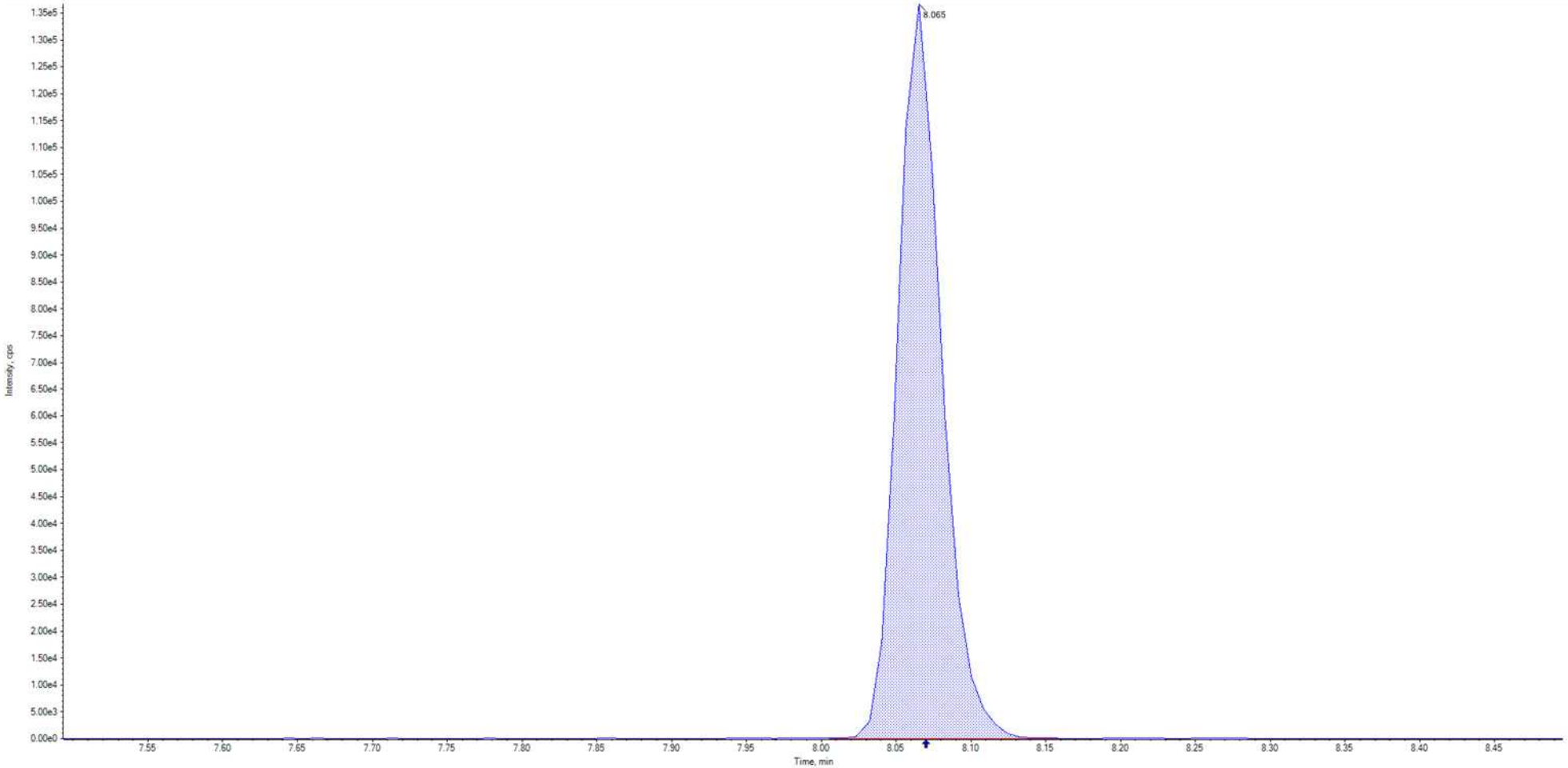
13C2-4:2FTS
Sample: WG1958909-6,INSTBLANK



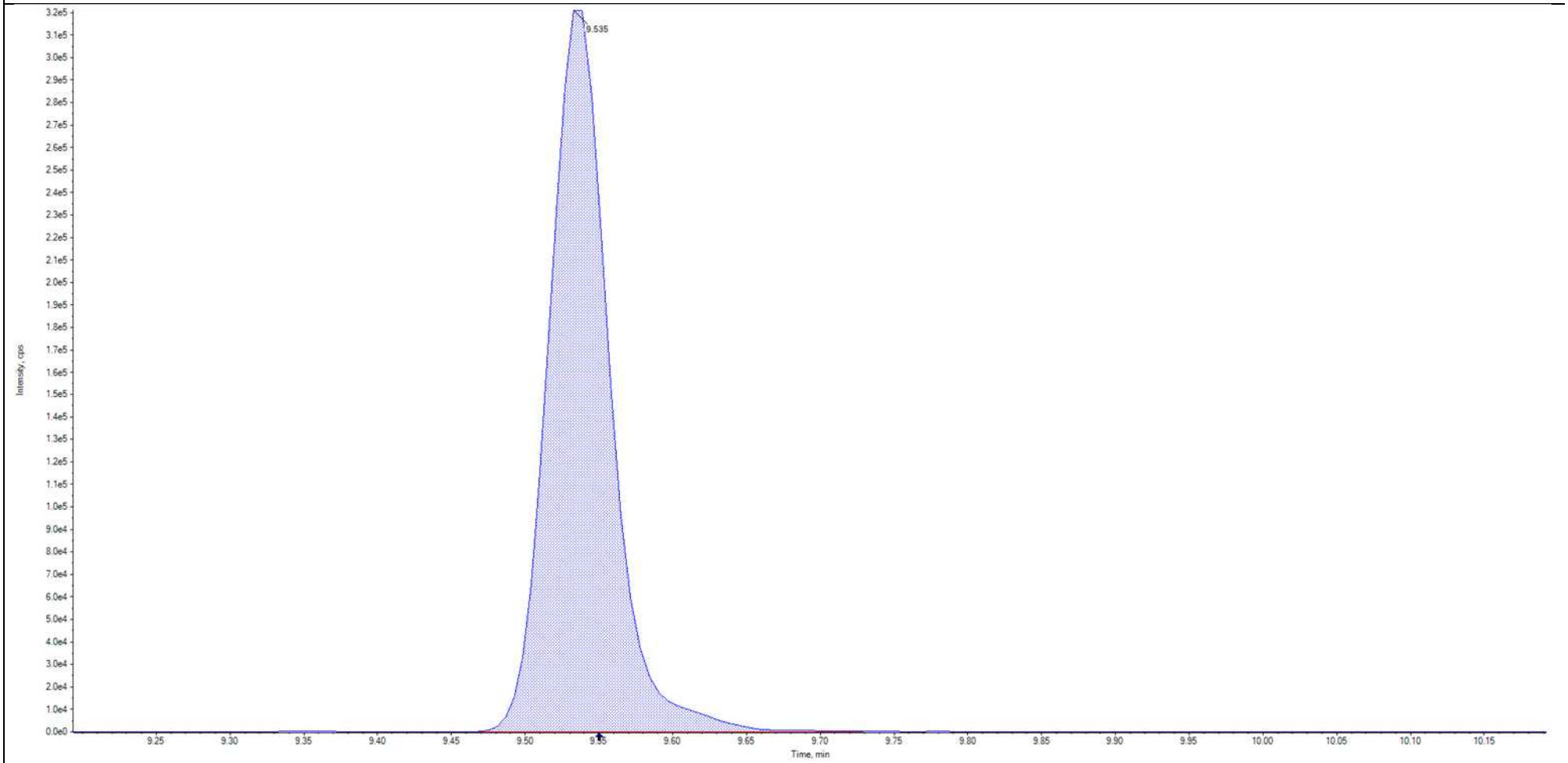
13C2-6:2FTS
Sample: WG1958909-6,INSTBLANK



13C2-8:2FTS
Sample: WG1958909-6,INSTBLANK

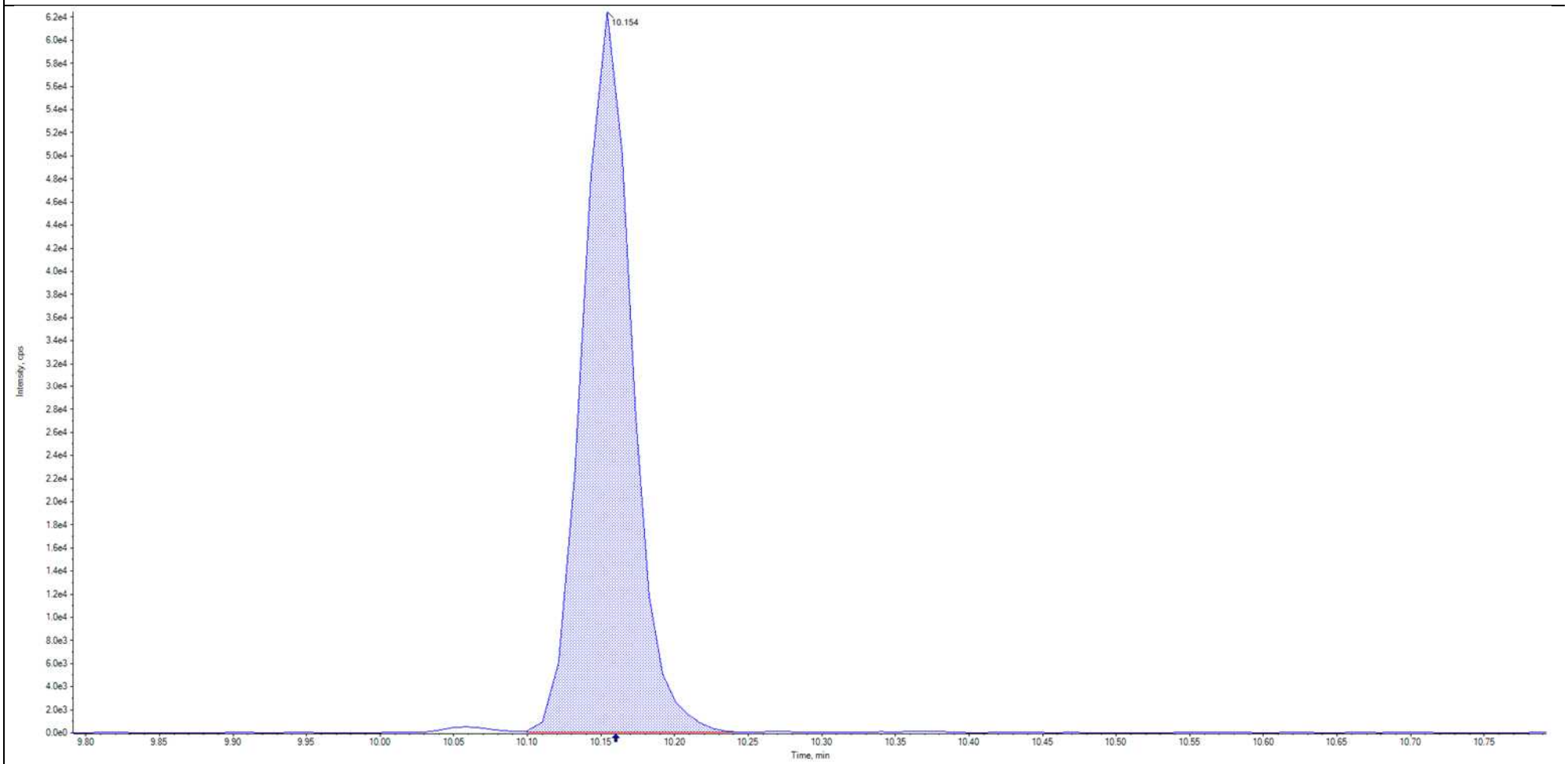


13C8-PFOSA
Sample: WG1958909-6,INSTBLANK



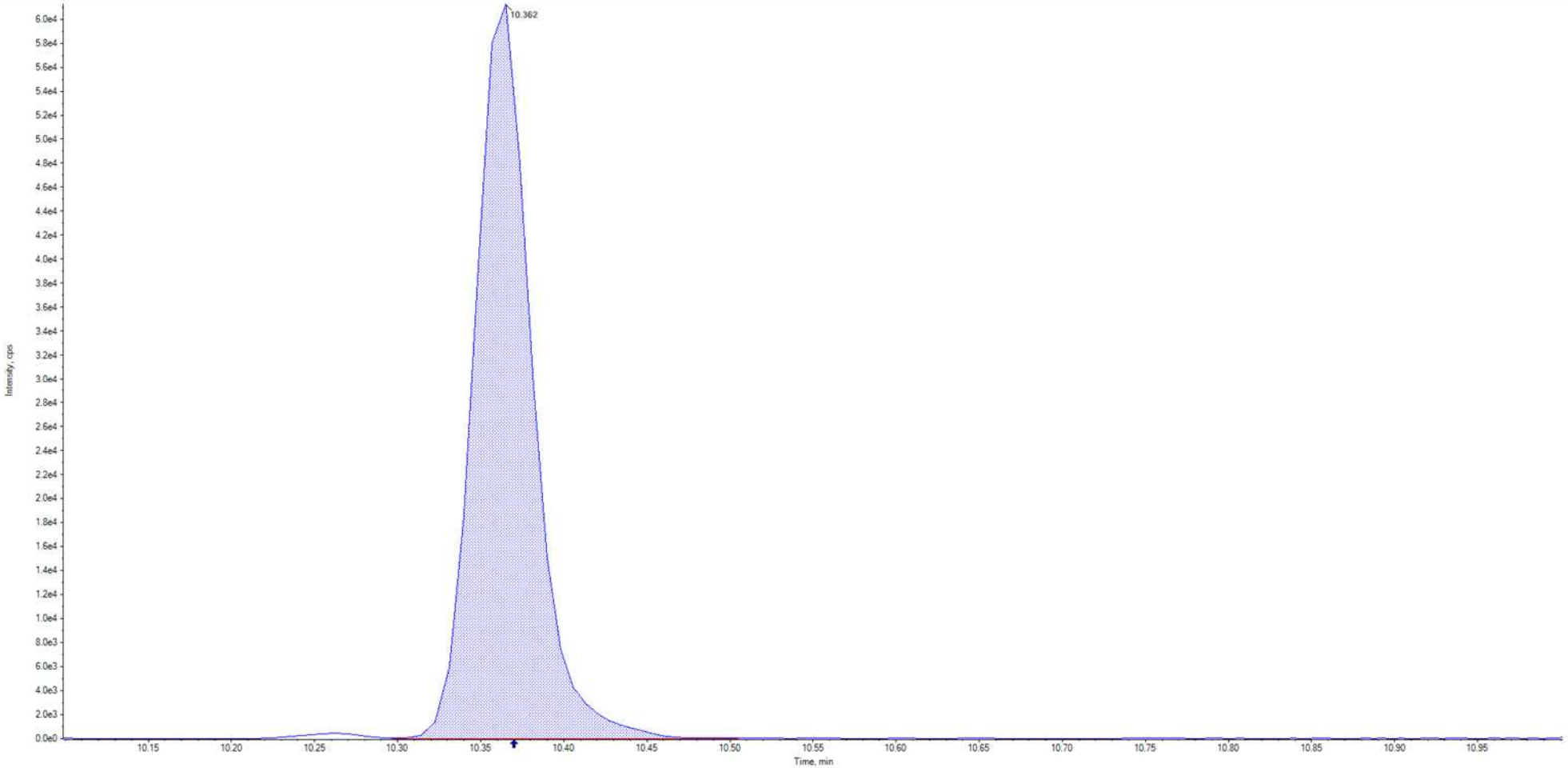
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

d3-NMeFOSA
Sample: WG1958909-6,INSTBLANK

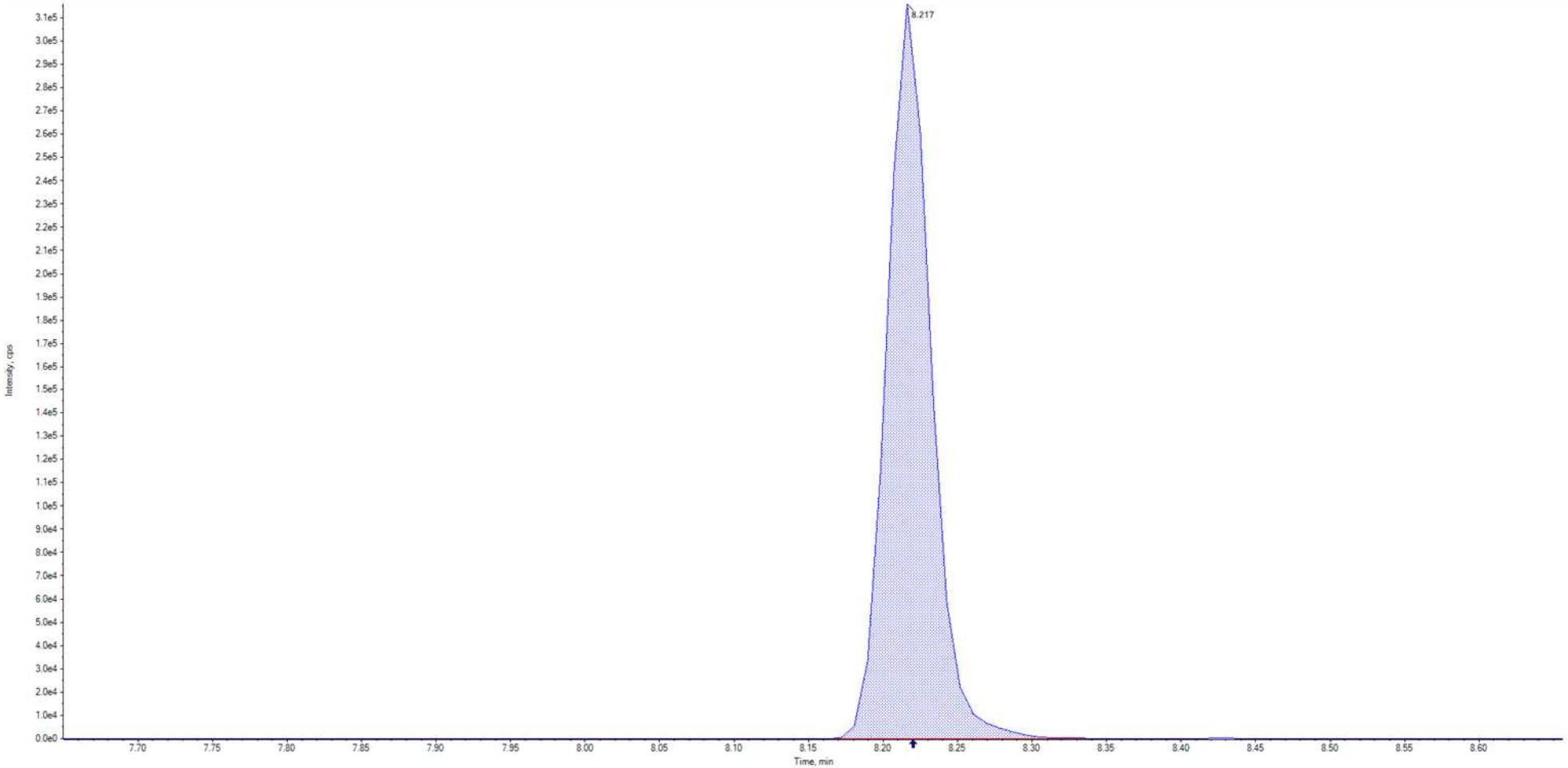


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

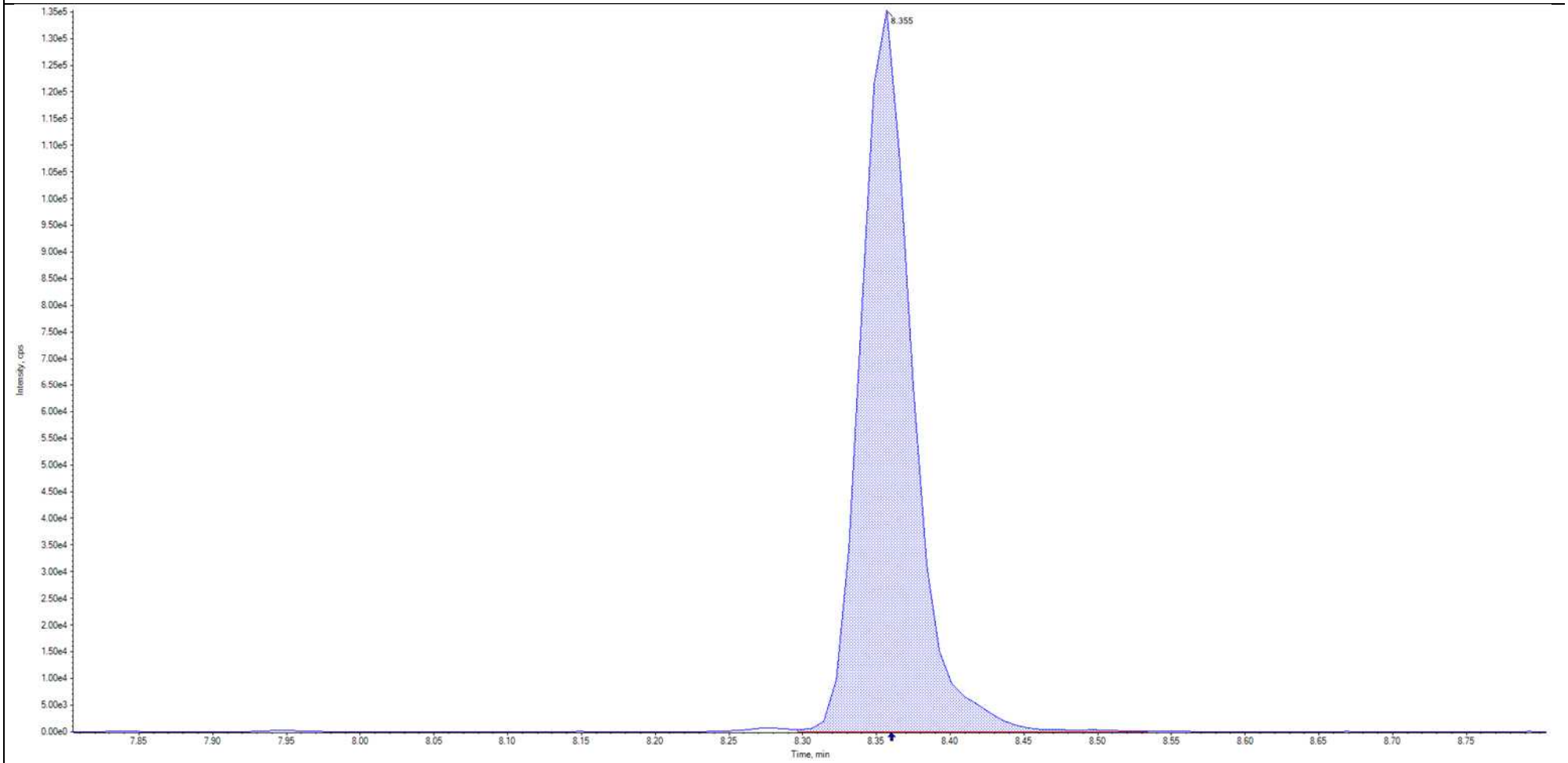
d5-NEtFOSA
Sample: WG1958909-6,INSTBLANK



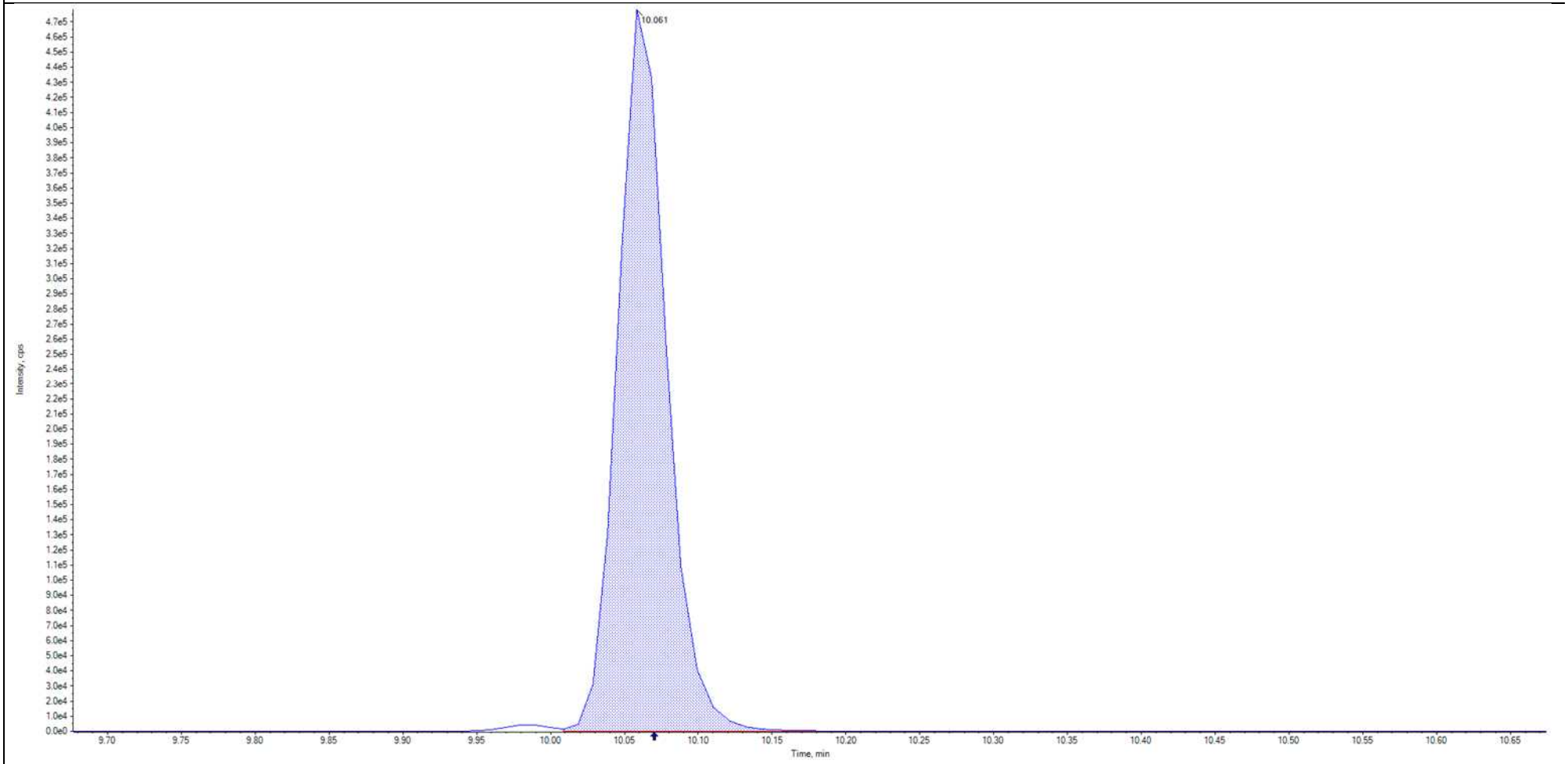
d3-NMeFOSAA
Sample: WG1958909-6,INSTBLANK



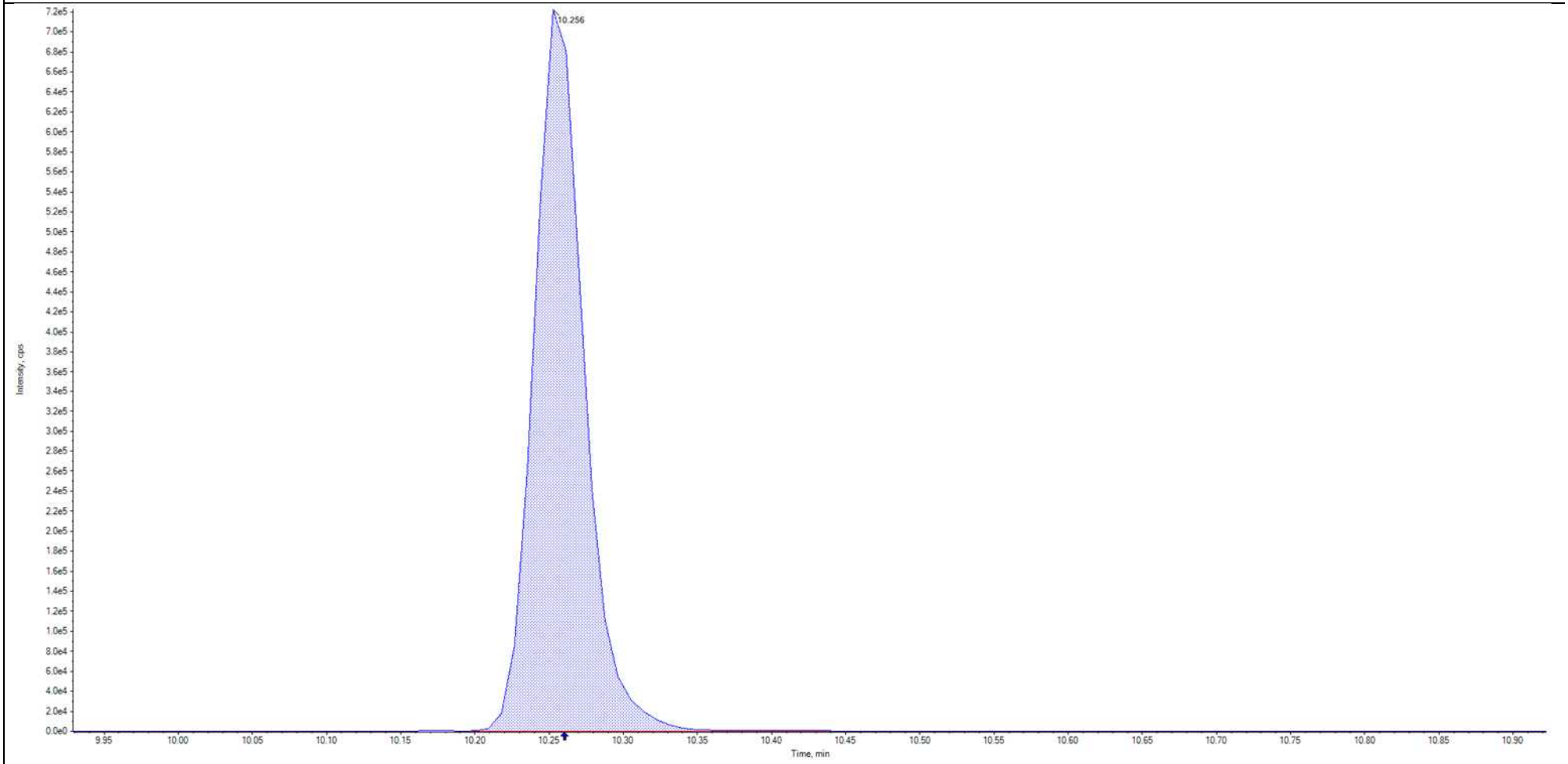
d5-NEtFOSAA
Sample: WG1958909-6,INSTBLANK



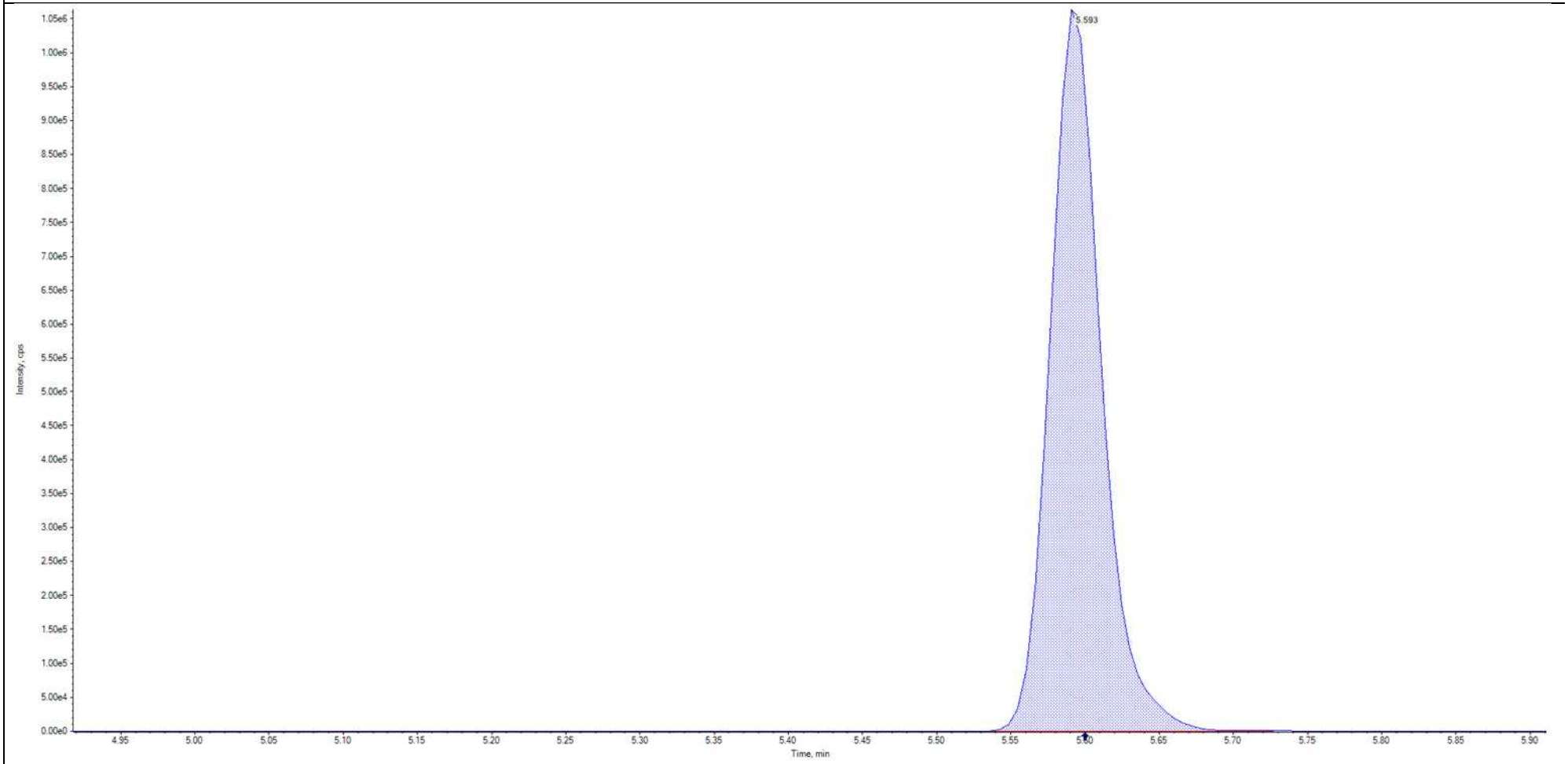
d7-NMeFOSE
Sample: WG1958909-6,INSTBLANK



d9-NEtFOSE
Sample: WG1958909-6,INSTBLANK

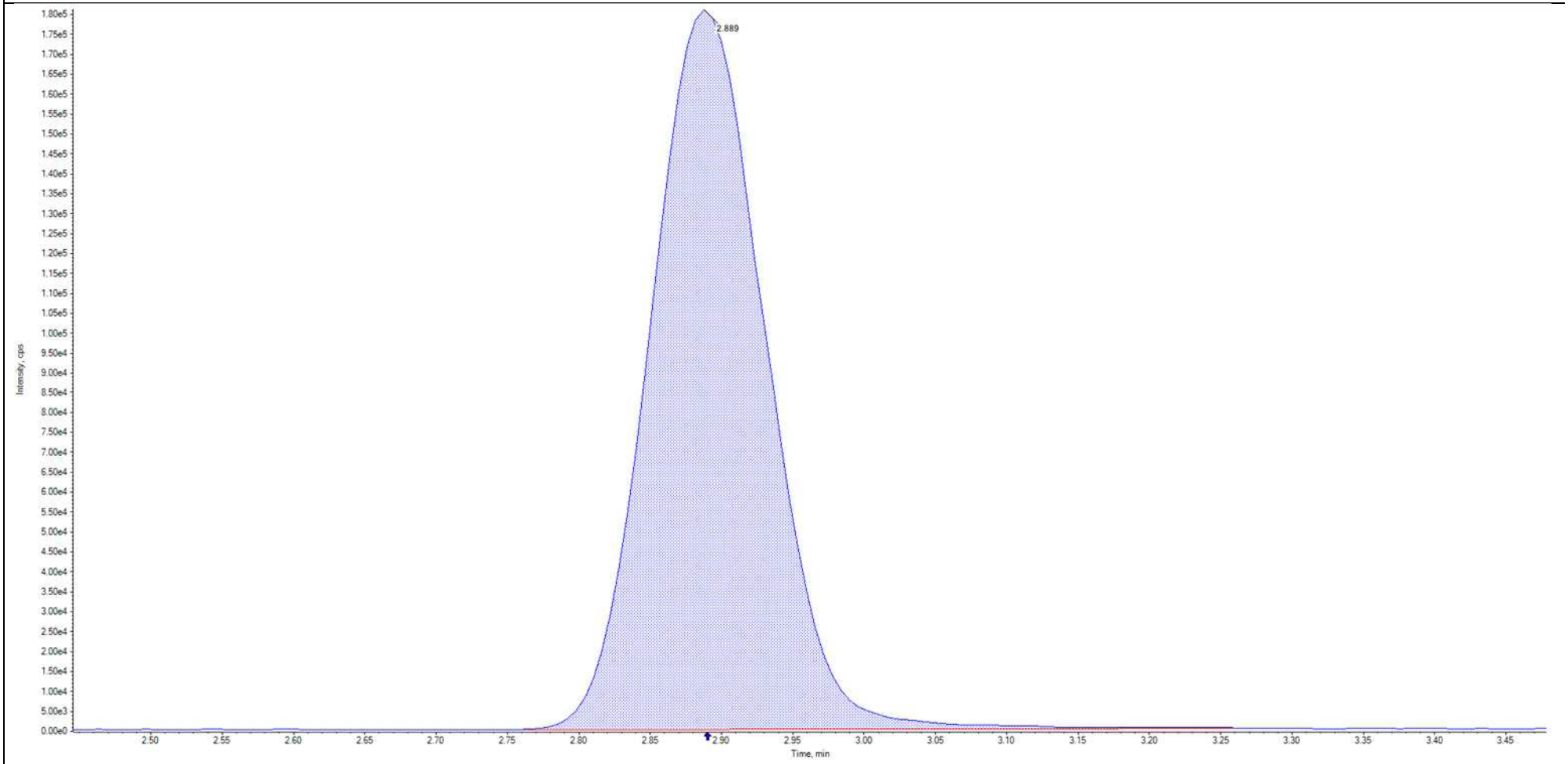


13C3-HFPO-DA
Sample: WG1958909-6,INSTBLANK

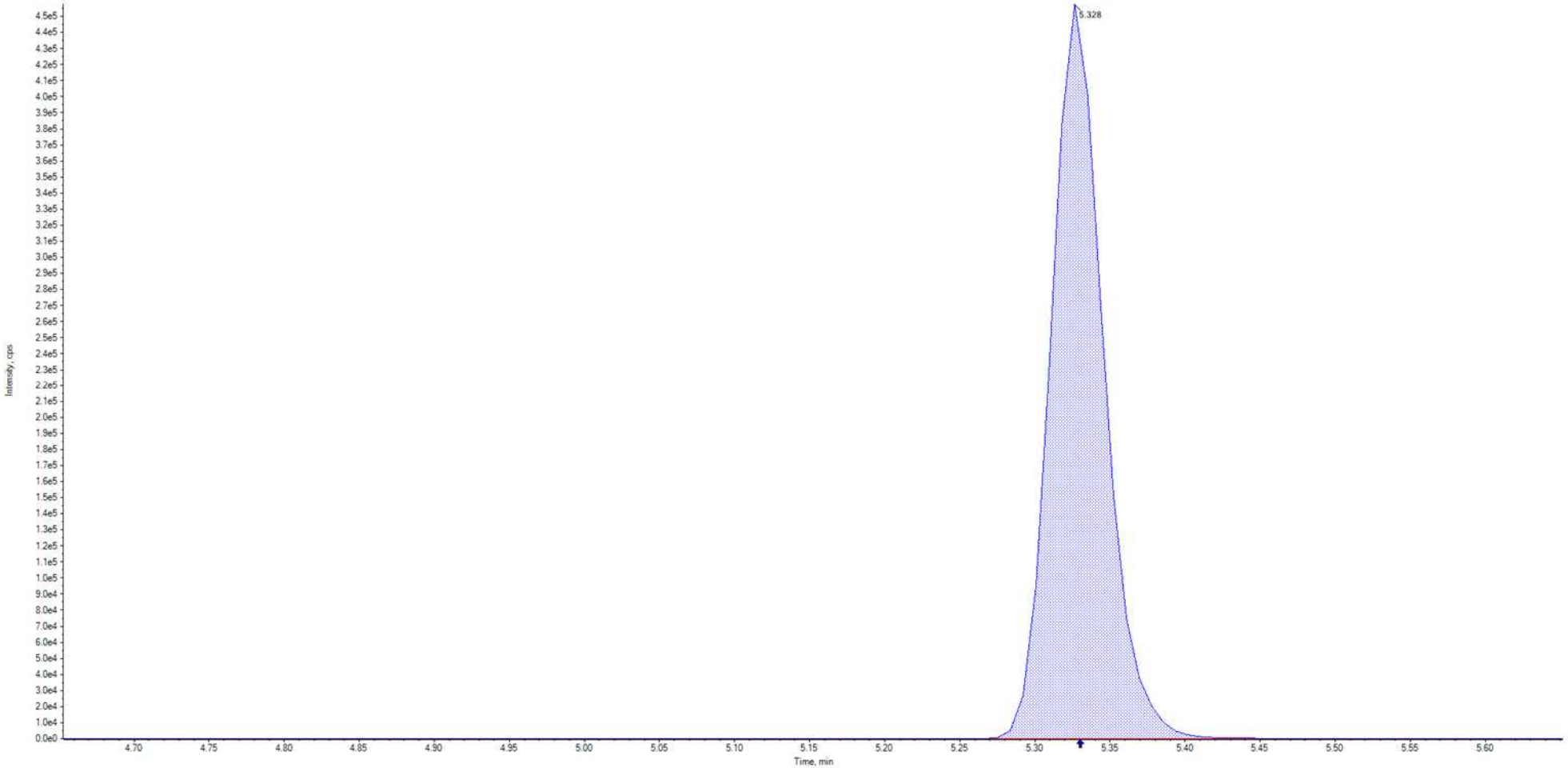


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

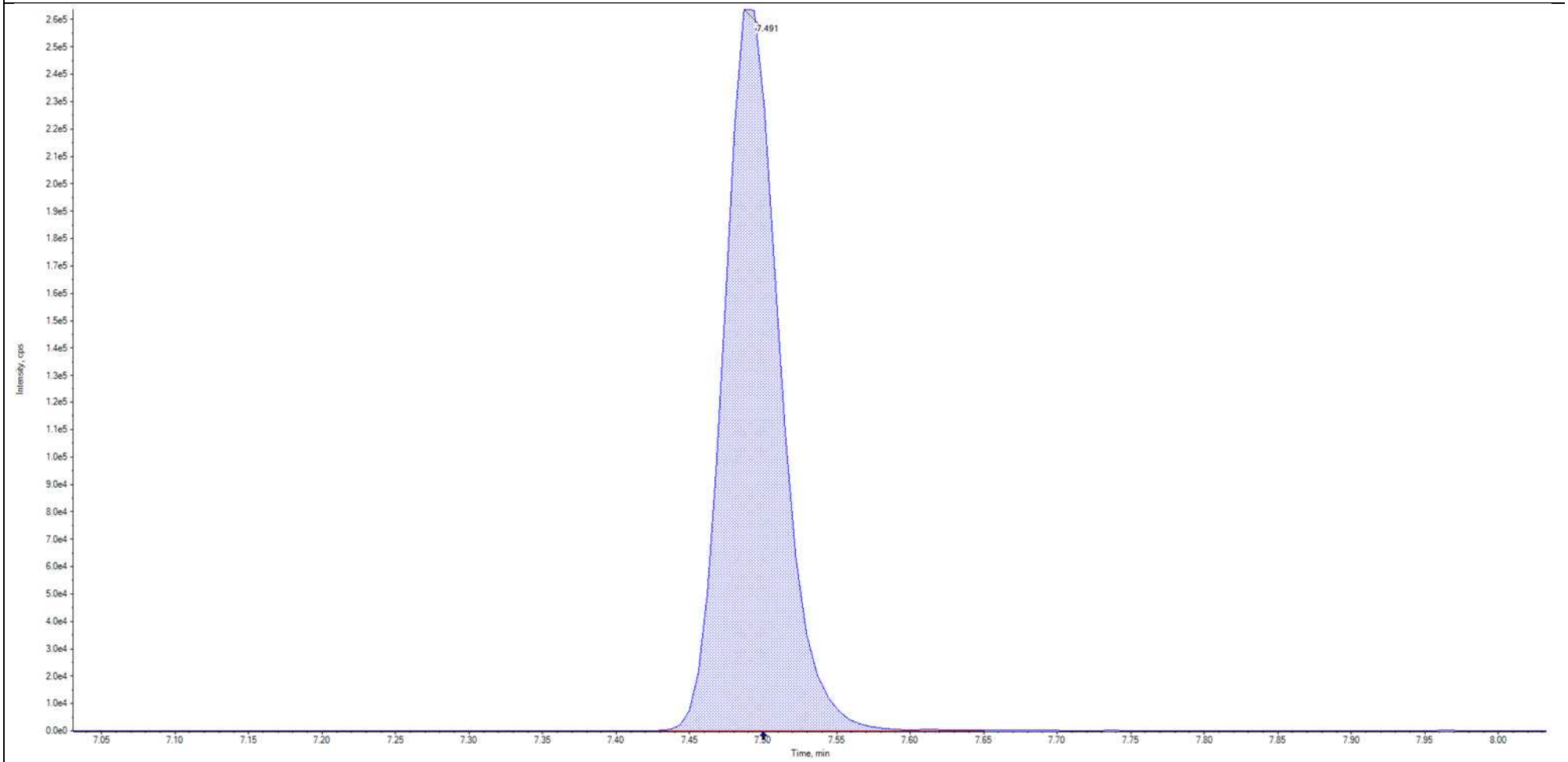
13C3-PFBA
Sample: WG1958909-6,INSTBLANK



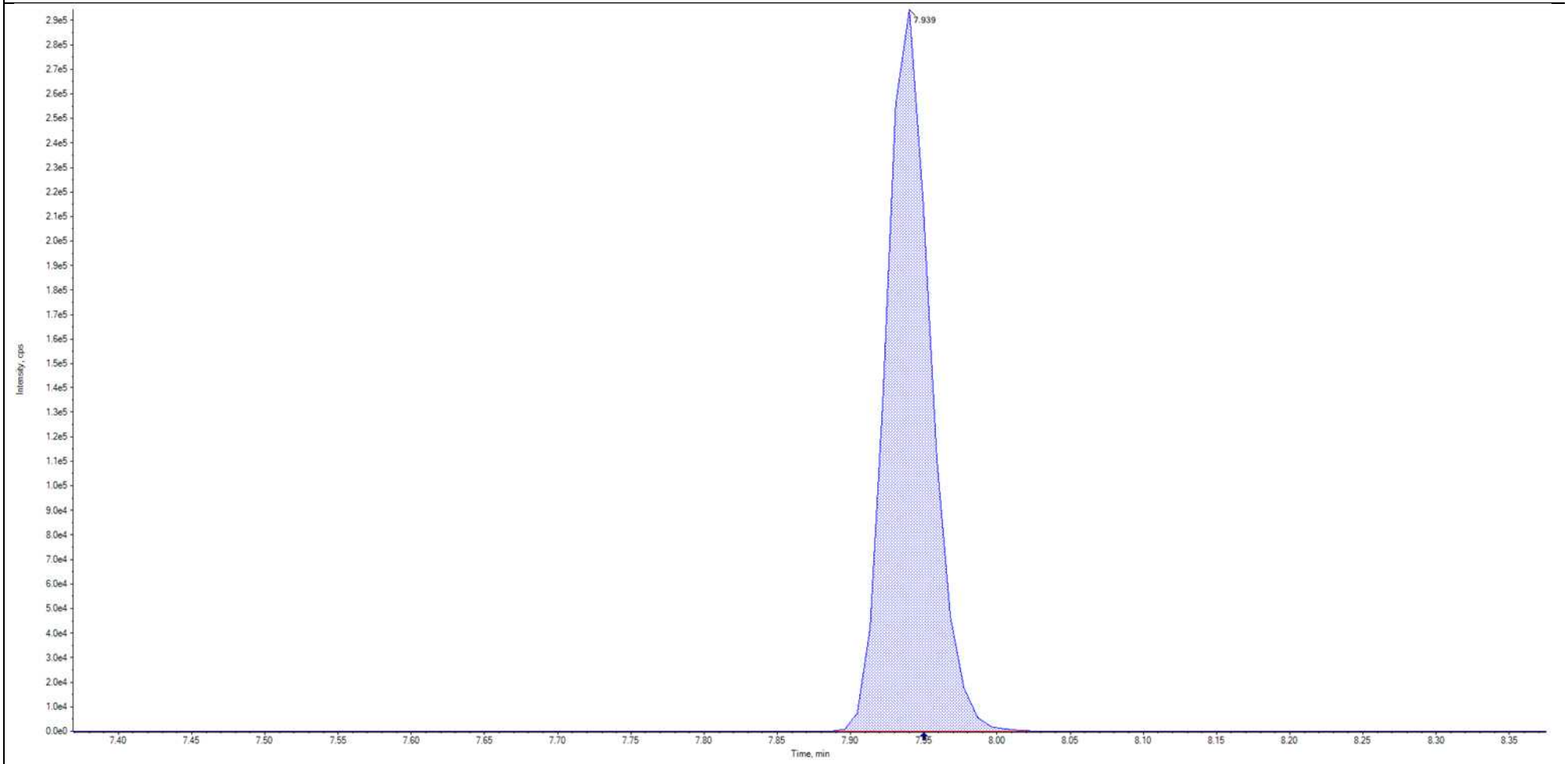
13C2-PFHxA
Sample: WG1958909-6,INSTBLANK



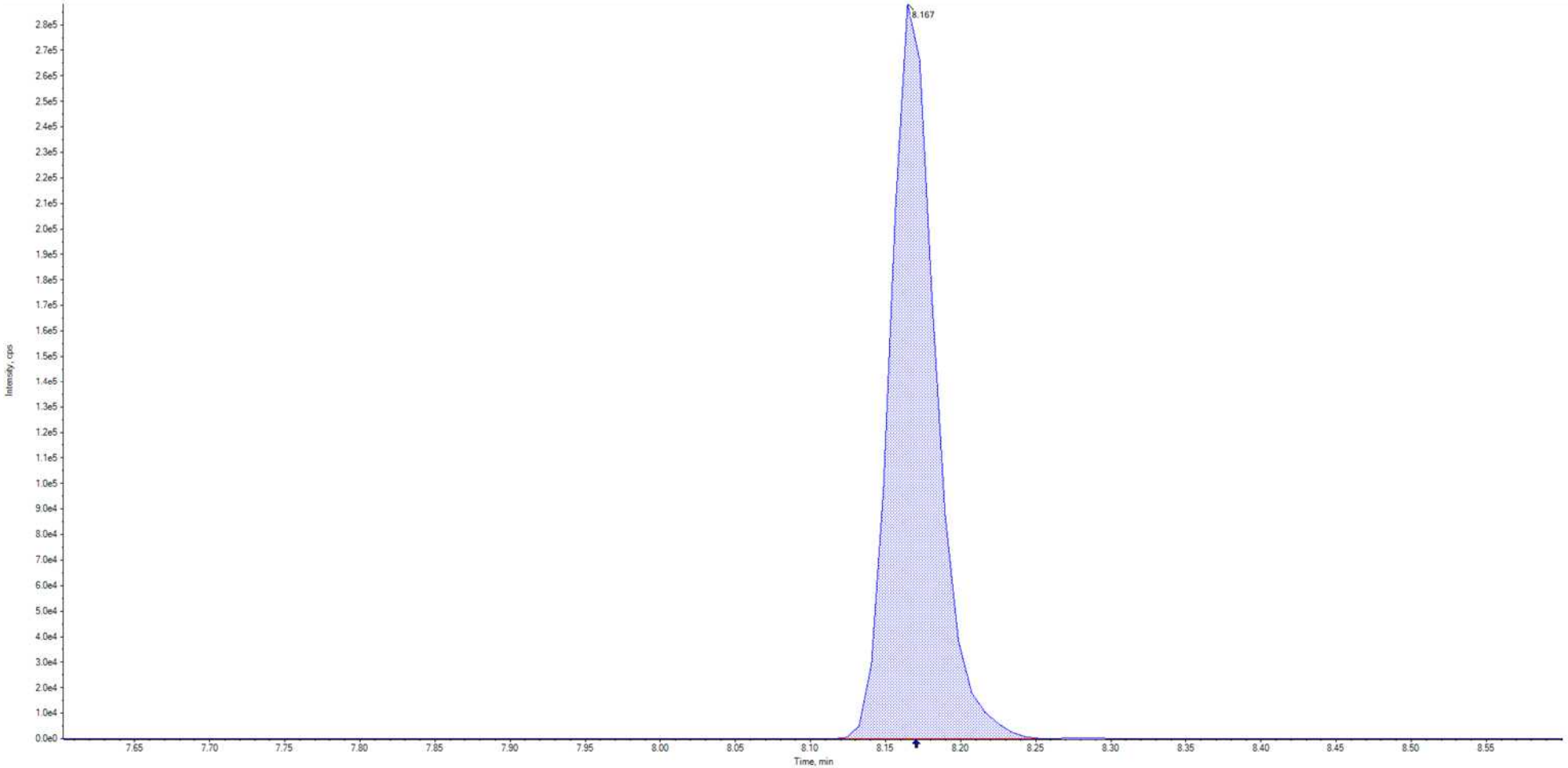
13C4-PFOA
Sample: WG1958909-6,INSTBLANK



13C5-PFNA
Sample: WG1958909-6,INSTBLANK

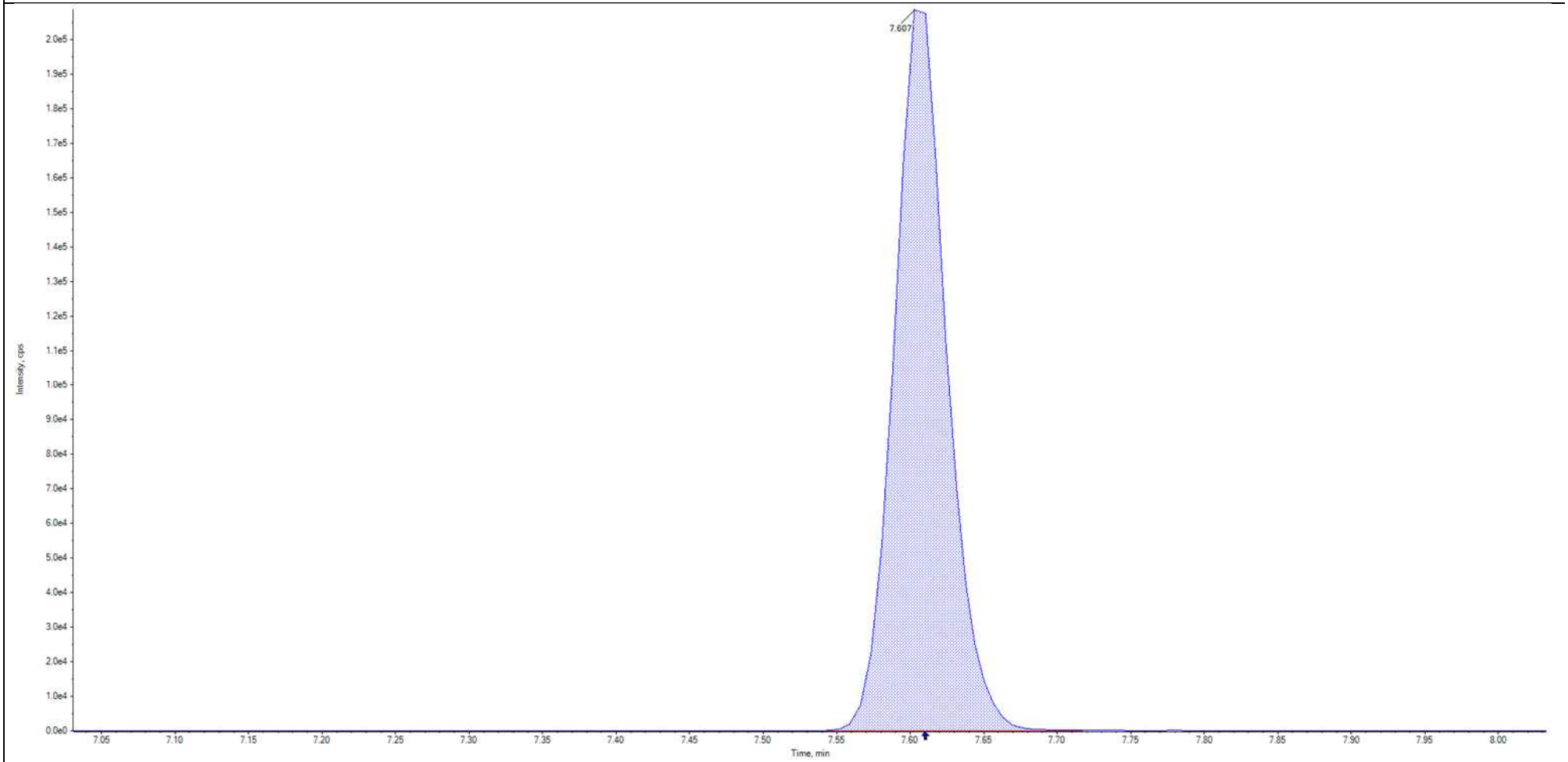


13C2-PFDA
Sample: WG1958909-6,INSTBLANK



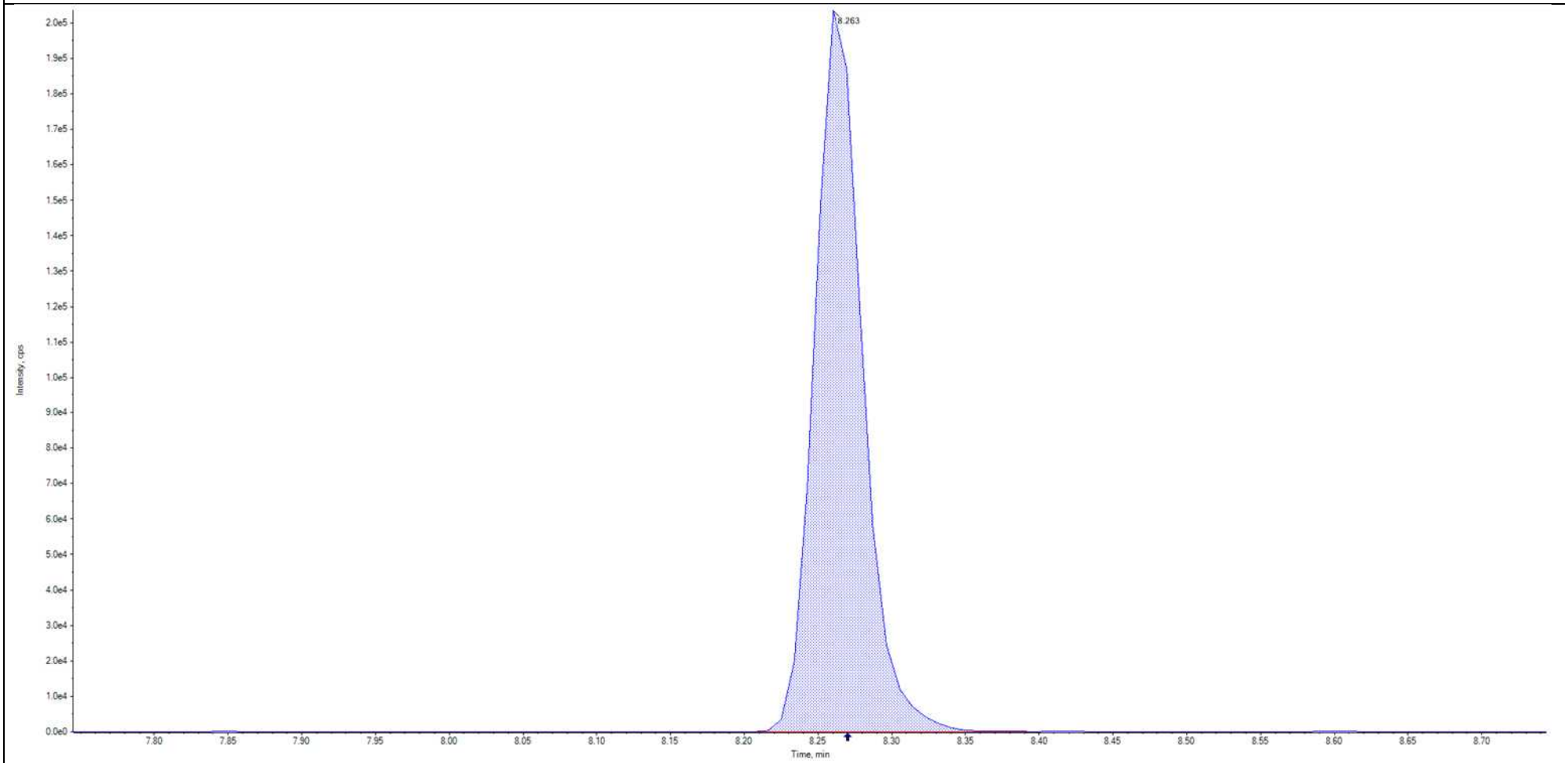
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

18O2-PFHxS
Sample: WG1958909-6,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

13C4-PFOS
Sample: WG1958909-6,INSTBLANK



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_08_13\Data\SCI05_240813_84.wiff
Last Altered: 8/14/2024 9:55:24 AM
Generated: 8/14/2024 9:40:32 AM

Standard Description: **EPA 1633** **Calibration**
Standard Laboratory ID Number: **EPA1633_240813_CAL**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240723DV,EJ,LCMS240628CL,CM	U.S. EPA Method 1633 Native PFAS Stock Solution/Mixture	0.250	Wellington/EPA-1633STK/537H	4000.0	10.0	MeOH	100
OS062024C	NH_4OH	100%	AVANTOR/UN2672/Dioxin Lab	316.8	10.0	MeOH	3.2%
2023111300	CH_3OOH	100%	VWR/BDH3098-3.8LP/Dioxin Lab	62.5	10.0	MeOH	0.6%
DI Water	H_2O	100%	DI/Dioxin Lab	160.8	10.0	MeOH	1.6%
Solution Prepared By:	JW		Date Prepared:	August 12, 2024		Expiration Date:	February 9, 2025
Solvent Lot	EI713-US MeOH		Refrigerator / Freezer No:	537H Fridge		Pipettes Used:	247, 342

	WG1958909			LCMS05				
	ICAL	Cal STD		LCMS240724G	LCMS240724AA	ECRD240809	EPA1633_240404_TOP	
	Cal Level	EPA1633_240813_CAL	Serial Dilution	EIS µL	NIS µL	Blank µL	TOP Surr	Final Vol µL
*	IA1633STD-.1	0	80 µl IA1633STD-1.25	5	5	985	5	1000
*	IA1633STD-.2	0	80 µl IA1633STD-2.5	5	5	985	5	1000
*	IA1633STD-.5	0	100 µl IA1633STD-5	5	5	985	5	1000
	IA1633STD-1.25	12.5		5	5	972.5	5	1000
	IA1633STD-2.5	25		5	5	960	5	1000
	IA1633STD-5	50		5	5	935	5	1000
	IA1633STD-12.5	125		5	5	860	5	1000
	IA1633STD-25	250		5	5	735	5	1000
	IA1633STD-62.5	625		5	5	360	5	1000
	CA1633STD-10	5 µl LCMS231120C		5	5	980	5	1000
	WG1950281-4,TRS/-5,BSICS	20 µl EPA1633_240709_BILE		0	0	980	0	1000
	Prepared:	ANH 8/13/2024						

METHOD: 1633
ICAL: 21391
WORKGROUP: 1958909
DATE: 8/13/2024

CAS #	Component Name	*Expected Ratio	Lower Limit	Upper Limit
375-22-4	PFBA	N/A	N/A	N/A
2706-90-3	PFPeA	0.007	N/A	N/A
2706-90-3	PFPeA_2	0.007	N/A	N/A
307-24-4	PFHxA	0.072	0.036	0.108
307-24-4	PFHxA_2	0.072	0.036	0.108
375-85-9	PFHpA	0.297	0.1485	0.4455
375-85-9	PFHpA_2	0.297	0.1485	0.4455
335-67-1	PFOA	0.586	0.293	0.879
335-67-1	PFOA_2	0.586	0.293	0.879
375-95-1	PFNA	0.313	0.1565	0.4695
375-95-1	PFNA_2	0.313	0.1565	0.4695
335-76-2	PFDA	0.142	0.071	0.213
335-76-2	PFDA_2	0.142	0.071	0.213
2058-94-8	PFUnA	0.194	0.097	0.291
2058-94-8	PFUnA_2	0.194	0.097	0.291
307-55-1	PFDoA	0.167	0.0835	0.2505
307-55-1	PFDoA_2	0.167	0.0835	0.2505
72629-94-8	PFTrDA	0.228	0.114	0.342
72629-94-8	PFTrDA_2	0.228	0.114	0.342
376-06-7	PFTeDA	0.137	0.0685	0.2055
376-06-7	PFTeDA_2	0.137	0.0685	0.2055
375-73-5	PFBS	0.396	0.198	0.594
375-73-5	PFBS_2	0.396	0.198	0.594
2706-91-4	PFPeS	0.299	0.1495	0.4485
2706-91-4	PFPeS_2	0.299	0.1495	0.4485
355-46-4	PFHxS	0.315	0.1575	0.4725
355-46-4	PFHxS_2	0.315	0.1575	0.4725
375-92-8	PFHpS	0.287	0.1435	0.4305
375-92-8	PFHpS_2	0.287	0.1435	0.4305
1763-23-1	PFOS	0.238	0.119	0.357
1763-23-1	PFOS_2	0.238	0.119	0.357
68259-12-1	PFNS	0.301	0.1505	0.4515
68259-12-1	PFNS_2	0.301	0.1505	0.4515
335-77-3	PFDS	0.275	0.1375	0.4125
335-77-3	PFDS_2	0.275	0.1375	0.4125
79780-39-5	PFDoS	0.274	0.137	0.411
79780-39-5	PFDoS_2	0.274	0.137	0.411
757124-72-4	4:2FTS	0.516	0.258	0.774
757124-72-4	4:2FTS_2	0.516	0.258	0.774
27619-97-2	6:2FTS	0.565	0.2825	0.8475
27619-97-2	6:2FTS_2	0.565	0.2825	0.8475
39108-34-4	8:2FTS	0.662	0.331	0.993
39108-34-4	8:2FTS_2	0.662	0.331	0.993
754-91-6	PFOSA	0.025	0.0125	0.0375
754-91-6	PFOSA_2	0.025	0.0125	0.0375
31506-32-8	NMeFOSA	1.551	0.7755	2.3265
31506-32-8	NMeFOSA_2	1.551	0.7755	2.3265
4151-50-2	NEtFOSA	1.285	0.6425	1.9275
4151-50-2	NEtFOSA_2	1.285	0.6425	1.9275
2355-31-9	NMeFOSAA	0.7	0.35	1.05
2355-31-9	NMeFOSAA_2	0.7	0.35	1.05
2991-50-6	NEtFOSAA	0.487	0.2435	0.7305
2991-50-6	NEtFOSAA_2	0.487	0.2435	0.7305
24448-09-7	NMeFOSE	N/A	N/A	N/A
1691-99-2	NEtFOSE	N/A	N/A	N/A
13252-13-6	HFPO-DA	0.464	0.232	0.696
13252-13-6	HFPO-DA_2	0.464	0.232	0.696
919005-14-4	ADONA	0.634	0.317	0.951
919005-14-4	ADONA_2	0.634	0.317	0.951
756426-58-1	9Cl-PF3ONS	0.322	0.161	0.483
756426-58-1	9Cl-PF3ONS_2	0.322	0.161	0.483
763051-92-9	11Cl-PF3OUdS	0.331	0.1655	0.4965
763051-92-9	11Cl-PF3OUdS_2	0.331	0.1655	0.4965
356-02-5	3:3FTCA	1.074	0.537	1.611
356-02-5	3:3FTCA_2	1.074	0.537	1.611
914637-49-3	5:3FTCA	0.953	0.4765	1.4295
914637-49-3	5:3FTCA_2	0.953	0.4765	1.4295
812-70-4	7:3FTCA	1.558	0.779	2.337
812-70-4	7:3FTCA_2	1.558	0.779	2.337
113507-82-7	PFEESA	0.087	0.0435	0.1305
113507-82-7	PFEESA_2	0.087	0.0435	0.1305
377-73-1	PFMPA	N/A	N/A	N/A
863090-89-5	PFMBA	N/A	N/A	N/A
151772-58-6	NFDHA	0.91	0.455	1.365
151772-58-6	NFDHA_2	0.91	0.455	1.365
516-50-7	TDCA	40.716	20.358	61.074
516-50-7	TDCA_2	40.716	20.358	61.074

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: LCMS05		**Calibration Date**	: 09/18/24 07:04	
Lab File ID	: SCI05_240918_09		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972930-2		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.833	0.800	104.2	70-130
Perfluoropentanoic Acid (PFPeA)	0.482	0.400	120.4	70-130
Perfluorobutanesulfonic Acid (PFBS)	0.177	0.177	99.9	70-130
Perfluorohexanoic Acid (PFHxA)	0.217	0.200	108.3	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.774	0.750	103.2	70-130
Perfluoropentanesulfonic Acid (PFPeS)	0.187	0.188	99.5	70-130
Perfluoroheptanoic Acid (PFHpA)	0.208	0.200	103.8	70-130
Perfluorohexanesulfonic Acid (PFHxS)	0.181	0.183	99.1	70-130
Perfluorooctanoic Acid (PFOA)	0.203	0.200	101.4	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.815	0.760	107.3	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	0.223	0.191	116.6	70-130
Perfluorononanoic Acid (PFNA)	0.206	0.200	103.2	70-130
Perfluorooctanesulfonic Acid (PFOS)	0.223	0.186	119.8	70-130
Perfluorodecanoic Acid (PFDA)	0.212	0.200	106	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.925	0.768	120.5	70-130
Perfluorononanesulfonic Acid (PFNS)	0.217	0.192	113.2	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.228	0.200	114.1	70-130
Perfluoroundecanoic Acid (PFUnA)	0.211	0.200	105.6	70-130
Perfluorodecanesulfonic Acid (PFDS)	0.217	0.193	112.3	70-130
Perfluorooctanesulfonamide (PFOSA)	0.194	0.200	97	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.214	0.200	107.2	70-130
Perfluorododecanoic Acid (PFDoA)	0.154	0.200	77.1	70-130
Perfluorotridecanoic Acid (PFTrDA)	0.158	0.200	78.9	70-130
Perfluorotetradecanoic Acid (PFTeDA)	0.208	0.200	103.9	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	0.848	0.800	105.9	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.748	0.756	98.9	70-130
Perfluorododecanesulfonic Acid (PFDoS)	0.216	0.194	111.5	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.849	0.748	113.5	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.822	0.756	108.7	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	0.214	0.200	106.9	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	0.206	0.200	103.2	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	1.952	2.000	97.6	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1.995	2.000	99.7	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.424	0.400	105.9	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	0.432	0.400	108	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	0.366	0.356	102.9	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	0.455	0.400	113.7	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	1.445	1.000	144.5*	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	5.474	5.000	109.5	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	5.226	5.000	104.5	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.965	10.000	99.6	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.052	5.000	101	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.387	2.330	102.5	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: LCMS05		**Calibration Date**	: 09/18/24 07:04	
Lab File ID	: SCI05_240918_09		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972930-2		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	7.663	4.690	163.4*	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.273	2.500	90.9	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.365	2.500	94.6	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.361	2.370	99.6	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.693	2.500	107.7	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	5.359	4.755	112.7	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.200	1.250	96	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.274	2.395	95	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.323	1.250	105.8	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	6.993	4.800	145.7*	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.976	5.000	99.5	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.375	1.250	110	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.800	2.500	112	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.431	5.000	108.6	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.690	1.250	135.2*	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.215	1.250	97.2	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.519	10.000	95.2	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.806	2.500	112.2	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.838	2.500	113.5	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	30.636	25.000	122.5	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	31.334	25.000	125.3	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	1.225	2.500	-	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.560	2.500	142.4*	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	3.347	2.500	133.9*	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.977	2.395	124.3	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.736	1.250	138.9*	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	7.191	5.000	143.8*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.979	1.250	158.3*	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	3.170	2.370	133.8*	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	3.349	5.000	-	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: LCMS05		**Calibration Date**	: 09/18/24 07:37	
Lab File ID	: SCI05_240918_11		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972930-3		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.437	10.000	104.4	70-130
Perfluoropentanoic Acid (PFPeA)	5.902	5.000	118	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.232	2.217	100.6	70-130
Perfluorohexanoic Acid (PFHxA)	2.613	2.500	104.5	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	8.731	9.375	93.1	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.463	2.353	104.7	70-130
Perfluoroheptanoic Acid (PFHpA)	2.637	2.500	105.5	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.361	2.285	103.3	70-130
Perfluorooctanoic Acid (PFOA)	2.417	2.500	96.7	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.586	9.500	111.4	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.508	2.382	105.2	70-130
Perfluorononanoic Acid (PFNA)	2.758	2.500	110.3	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.386	2.320	102.9	70-130
Perfluorodecanoic Acid (PFDA)	2.589	2.500	103.6	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	11.832	9.600	123.3	70-130
Perfluorononanesulfonic Acid (PFNS)	2.730	2.405	113.5	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.032	2.500	121.3	70-130
Perfluoroundecanoic Acid (PFUnA)	2.713	2.500	108.5	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.547	2.413	105.6	70-130
Perfluorooctanesulfonamide (PFOSA)	2.642	2.500	105.7	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.620	2.500	104.8	70-130
Perfluorododecanoic Acid (PFDoA)	1.985	2.500	79.4	70-130
Perfluorotridecanoic Acid (PFTrDA)	1.963	2.500	78.5	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.465	2.500	98.6	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	10.959	10.000	109.6	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	9.865	9.450	104.4	70-130
Perfluorododecanesulfonic Acid (PFDoS)	2.629	2.425	108.4	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	10.500	9.350	112.3	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	10.689	9.450	113.1	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	2.684	2.500	107.4	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.645	2.500	105.8	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	26.143	25.000	104.6	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	25.780	25.000	103.1	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	5.916	5.000	118.3	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.248	5.000	105	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	4.965	4.450	111.6	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	5.513	5.000	110.3	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	15.611	12.500	124.9	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	66.829	62.500	106.9	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	48.080	62.500	76.9	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.709	10.000	107.1	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.392	5.000	107.8	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.448	2.330	105.1	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: LCMS05		**Calibration Date**	: 09/18/24 07:37	
Lab File ID	: SCI05_240918_11		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972930-3		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	5.021	4.690	107.1	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.450	2.500	98	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.517	2.500	100.7	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.293	2.370	96.8	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.709	2.500	108.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.306	4.755	90.6	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.208	1.250	96.6	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.412	2.395	100.7	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.315	1.250	105.2	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	5.258	4.800	109.5	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	3.005	5.000	60.1*	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.405	1.250	112.4	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.641	2.500	105.7	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.757	5.000	115.1	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.861	1.250	148.9*	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.342	1.250	107.4	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.178	10.000	101.8	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.686	2.500	107.4	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.700	2.500	108	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	29.330	25.000	117.3	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	29.669	25.000	118.7	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	1.130	2.500	-	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.513	2.500	100.5	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.445	2.500	97.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.339	2.395	97.7	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.272	1.250	101.8	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.180	5.000	103.6	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.321	1.250	105.7	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.452	2.370	103.5	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	2.086	5.000	-	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447890
Project Name	: RANCO MINE	**Project Number**	: 12123
Instrument ID	: LCMS05	**Calibration Date**	: 09/18/24 11:41
Lab File ID	: SCI05_240918_30	**Init. Calib. Date(s)**	: 08/13/24 08/13/24
Sample No	: WG1972930-8	**Init. Calib. Times**	: 21:50 23:32
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.640	10.000	106.4	70-130
Perfluoropentanoic Acid (PFPeA)	5.584	5.000	111.7	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.335	2.217	105.3	70-130
Perfluorohexanoic Acid (PFHxA)	2.778	2.500	111.1	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	9.006	9.375	96.1	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.378	2.353	101.1	70-130
Perfluoroheptanoic Acid (PFHpA)	2.676	2.500	107.1	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.332	2.285	102.1	70-130
Perfluorooctanoic Acid (PFOA)	2.350	2.500	94	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.429	9.500	109.8	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.548	2.382	106.9	70-130
Perfluorononanoic Acid (PFNA)	2.860	2.500	114.4	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.496	2.320	107.6	70-130
Perfluorodecanoic Acid (PFDA)	2.554	2.500	102.2	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	11.324	9.600	118	70-130
Perfluorononanesulfonic Acid (PFNS)	2.627	2.405	109.2	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.180	2.500	127.2	70-130
Perfluoroundecanoic Acid (PFUnA)	2.808	2.500	112.3	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.419	2.413	100.2	70-130
Perfluorooctanesulfonamide (PFOSA)	2.598	2.500	103.9	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.621	2.500	104.8	70-130
Perfluorododecanoic Acid (PFDoA)	2.023	2.500	80.9	70-130
Perfluorotridecanoic Acid (PFTrDA)	1.993	2.500	79.7	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.739	2.500	109.6	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	10.829	10.000	108.3	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	10.338	9.450	109.4	70-130
Perfluorododecanesulfonic Acid (PFDoS)	2.637	2.425	108.7	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.108	9.350	118.8	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	10.454	9.450	110.6	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	2.725	2.500	109	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.723	2.500	108.9	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	25.990	25.000	104	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	25.347	25.000	101.4	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	5.921	5.000	118.4	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.072	5.000	101.4	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.021	4.450	112.8	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	5.594	5.000	111.9	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	14.068	12.500	112.6	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	68.143	62.500	109	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	46.980	62.500	75.2	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.308	10.000	103.1	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.633	5.000	112.7	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.412	2.330	103.5	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447890	
Project Name	: RANCO MINE		**Project Number**	: 12123	
Instrument ID	: LCMS05		**Calibration Date**	: 09/18/24 11:41	
Lab File ID	: SCI05_240918_30		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972930-8		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.432	4.690	94.5	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.516	2.500	100.7	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.594	2.500	103.7	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.469	2.370	104.2	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.736	2.500	109.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.212	4.755	88.6	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.282	1.250	102.6	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.392	2.395	99.9	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.354	1.250	108.3	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.587	4.800	95.6	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	2.649	5.000	53*	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.321	1.250	105.7	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.611	2.500	104.4	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.900	5.000	98	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.744	1.250	139.5*	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.283	1.250	102.7	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.616	10.000	106.2	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.583	2.500	103.3	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.584	2.500	103.4	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	27.914	25.000	111.7	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	28.502	25.000	114	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	1.152	2.500	-	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.405	2.500	96.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.404	2.500	96.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.433	2.395	101.6	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.250	1.250	100	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	5.282	5.000	105.6	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.231	1.250	98.5	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.403	2.370	101.4	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	2.091	5.000	-	70-130

*** Value outside of QC limits.**

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1972930-2,1633LOW
Name: SCI05_240918_09.wiff
Date & Time: 2024-09-18T07:04:15
Description: WG1972930,WG1970000,ICAL21391,1633LOW
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.85	213.0 / 169.0	236684		0.833	N/A	N/A	N/A	104.2
2	PFPeA	2706-90-3	4.68	263.0 / 219.0	200442		0.482	0.009	0.007	N/A	120.4
3	PFPeA_2	2706-90-3	4.68	263.0 / 68.9	1705	M7	0.580	0.009	0.007	N/A	145.0
4	PFHxA	307-24-4	5.37	313.0 / 269.0	140800	M4	0.217	0.081	0.072	Pass	108.3
5	PFHxA_2	307-24-4	5.37	313.0 / 119.0	11474		0.239	0.081	0.072	Pass	119.4
6	PFHpA	375-85-9	6.30	363.1 / 319.0	135105		0.208	0.304	0.297	Pass	103.8
7	PFHpA_2	375-85-9	6.30	363.1 / 169.0	41015		0.206	0.304	0.297	Pass	102.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.51	413.1 / 369.1	91042	M5	0.203	0.552	0.586	Pass	101.4
9	PFOA_2	335-67-1	7.51	413.1 / 169.0	50288	M7	0.204	0.552	0.586	Pass	102.2
10	PFNA	375-95-1	7.93	462.8 / 418.9	129069	M5	0.206	0.298	0.313	Pass	103.2
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	38475	M7	0.201	0.298	0.313	Pass	100.7
12	PFDA	335-76-2	8.15	513.1 / 469.1	146394		0.212	0.157	0.142	Pass	106.0
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	22983		0.222	0.157	0.142	Pass	111.0
14	PFUnA	2058-94-8	8.43	563.1 / 519.1	112480		0.211	0.161	0.194	Pass	105.6
15	PFUnA_2	2058-94-8	8.43	563.1 / 269.0	18107		0.176	0.161	0.194	Pass	87.8
16	PFDoA	307-55-1	8.83	613.1 / 569.1	107986		0.154	0.160	0.167	Pass	77.1
17	PFDoA_2	307-55-1	8.83	613.1 / 319.0	17256	M7	0.146	0.160	0.167	Pass	72.9
18	PFTrDA	72629-94-8	9.40	663.1 / 619.1	65870		0.158	0.230	0.228	Pass	78.9
19	PFTrDA_2	72629-94-8	9.40	663.1 / 169.0	15161		0.163	0.230	0.228	Pass	81.5
20	PFTeDA	376-06-7	9.85	713.1 / 669.1	109466		0.208	0.134	0.137	Pass	103.9
21	PFTeDA_2	376-06-7	9.85	713.1 / 169.0	14659		0.203	0.134	0.137	Pass	101.7
22	PFBS	375-73-5	5.34	299.1 / 80.1	81487		0.177	0.418	0.396	Pass	99.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.34	299.1 / 99.1	34037		0.185	0.418	0.396	Pass	104.7
24	PFPeS	2706-91-4	6.38	349.1 / 80.1	68804		0.187	0.306	0.299	Pass	99.5
25	PFPeS_2	2706-91-4	6.38	349.1 / 99.1	21028		0.189	0.306	0.299	Pass	100.8
26	PFHxS	355-46-4	7.62	399.1 / 80.1	62443	M5	0.181	0.337	0.315	Pass	99.1
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	21071	M7	0.197	0.337	0.315	Pass	107.7
28	PFHpS	375-92-8	7.99	449.1 / 80.1	69256		0.223	0.275	0.287	Pass	116.6
29	PFHpS_2	375-92-8	7.99	449.1 / 99.1	19020		0.209	0.275	0.287	Pass	109.3
30	PFOS	1763-23-1	8.24	499.1 / 80.1	73793	M5	0.223	0.249	0.238	Pass	119.8
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	18379		0.227	0.249	0.238	Pass	121.8
32	PFNS	68259-12-1	8.57	549.1 / 80.1	46205		0.217	0.346	0.301	Pass	113.2
33	PFNS_2	68259-12-1	8.57	549.1 / 99.1	15998		0.249	0.346	0.301	Pass	129.4
34	PFDS	335-77-3	9.06	599.1 / 80.1	45364		0.217	0.281	0.275	Pass	112.3
35	PFDS_2	335-77-3	9.05	599.1 / 99.1	12767		0.221	0.281	0.275	Pass	114.6
36	PFDoS	79780-39-5	9.95	699.2 / 80.1	41478		0.216	0.280	0.274	Pass	111.5
37	PFDoS_2	79780-39-5	9.95	699.2 / 99.1	11603		0.220	0.280	0.274	Pass	113.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.17	327.1 / 307.1	203372		0.774	0.548	0.516	Pass	103.2
39	4:2FTS_2	757124-72-4	5.16	327.1 / 81.1	111387		0.792	0.548	0.516	Pass	105.6
40	6:2FTS	27619-97-2	7.13	427.2 / 407.2	90668		0.815	0.584	0.565	Pass	107.3
41	6:2FTS_2	27619-97-2	7.14	427.2 / 81.1	52917		0.880	0.584	0.565	Pass	115.7
42	8:2FTS	39108-34-4	8.05	527.2 / 507.2	150436		0.925	0.704	0.662	Pass	120.5
43	8:2FTS_2	39108-34-4	8.05	527.2 / 81.1	105951		0.961	0.704	0.662	Pass	125.1
44	PFOSA	754-91-6	9.51	498.1 / 78.1	68451	M5	0.194	0.027	0.025	Pass	97.0
45	PFOSA_2	754-91-6	9.51	498.1 / 478.0	1877	M7	0.203	0.027	0.025	Pass	101.4
46	NMeFOSA	31506-32-8	10.15	512.2 / 219.0	20378	M5	0.214	1.578	1.551	Pass	106.9
47	NMeFOSA_2	31506-32-8	10.11	512.2 / 169.0	32164	M7	0.218	1.578	1.551	Pass	108.9
48	NEtFOSA	4151-50-2	10.35	526.2 / 219.0	19943	M5	0.206	1.336	1.285	Pass	103.2
49	NEtFOSA_2	4151-50-2	10.32	526.2 / 169.0	26651	M7	0.206	1.336	1.285	Pass	103.1
50	NMeFOSAA	2355-31-9	8.20	570.2 / 419.1	26802		0.228	0.668	0.700	Pass	114.1
51	NMeFOSAA_2	2355-31-9	8.20	570.2 / 483.0	17903		0.240	0.668	0.700	Pass	119.9
52	NEtFOSAA	2991-50-6	8.33	584.2 / 419.1	20463	M4	0.214	0.530	0.487	Pass	107.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.34	584.2 / 526.2	10849	M7	0.247	0.530	0.487	Pass	123.5
54	NMeFOSE	24448-09-7	10.06	616.1 / 58.9	361381	M5	1.952	N/A	N/A	N/A	97.6
55	NEtFOSE	1691-99-2	10.26	630.0 / 58.9	662533	M5	1.995	N/A	N/A	N/A	99.7
56	HFPO-DA	13252-13-6	5.63	285.0 / 169.0	287681		0.848	0.470	0.464	Pass	105.9
57	HFPO-DA_2	13252-13-6	5.63	285.0 / 184.9	135281		0.857	0.470	0.464	Pass	107.1
58	ADONA	919005-14-4	6.77	377.1 / 251.0	577154		0.748	0.686	0.634	Pass	98.9
59	ADONA_2	919005-14-4	6.77	377.1 / 84.8	395853		0.792	0.686	0.634	Pass	104.8
60	9Cl-PF3ONS	756426-58-1	8.45	530.8 / 351.1	645963		0.849	0.317	0.322	Pass	113.5
61	9Cl-PF3ONS_2	756426-58-1	8.45	532.8 / 353.0	204929		0.827	0.317	0.322	Pass	110.5
62	11Cl-PF3OUdS	763051-92-9	9.47	630.9 / 451.0	395179		0.822	0.336	0.331	Pass	108.7
63	11Cl-PF3OUdS_2	763051-92-9	9.47	632.9 / 452.9	132727		0.820	0.336	0.331	Pass	108.5
64	3:3FTCA	356-02-5	4.96	241.1 / 177.1	52164		1.445	0.867	1.074	Pass	144.5
65	3:3FTCA_2	356-02-5	4.95	241.1 / 117.0	45221		1.250	0.867	1.074	Pass	125.0
66	5:3FTCA	914637-49-3	7.22	341.1 / 237.1	645642		5.474	0.951	0.953	Pass	109.5
67	5:3FTCA_2	914637-49-3	7.22	341.1 / 217.0	614253		5.504	0.951	0.953	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	8.20	441.1 / 316.9	686149		5.226	1.518	1.558	Pass	104.5
69	7:3FTCA_2	812-70-4	8.20	441.1 / 337.1	1041726		5.467	1.518	1.558	Pass	109.4
70	PFEESA	113507-82-7	5.74	315.1 / 135.0	413252		0.366	0.087	0.087	Pass	102.9
71	PFEESA_2	113507-82-7	5.74	315.1 / 82.9	36003		0.369	0.087	0.087	Pass	103.8
72	PFMPA	377-73-1	3.91	229.0 / 85.0	21342		0.424	N/A	N/A	N/A	105.9
73	PFMBA	863090-89-5	4.90	279.0 / 85.0	293509		0.432	N/A	N/A	N/A	108.0
74	NFDHA	151772-58-6	5.28	295.0 / 201.0	54017		0.455	0.939	0.910	Pass	113.7
75	NFDHA_2	151772-58-6	5.28	295.0 / 84.9	50712		0.466	0.939	0.910	Pass	116.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.15	333.2 / 312.1	826779		3.349	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.51	415.0 / 370.0	2172714		1.225	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	2.84	217.0 / 172.0	3502816		9.965	NA	NA	NA	99.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.67	268.0 / 223.0	2257508		5.052	NA	NA	NA	101.0
	13C5-PFHxA	EIS	5.36	318.0 / 273.0	1333992		2.273	NA	NA	NA	90.9
	13C4-PFHpA	EIS	6.29	367.0 / 322.0	1389807		2.365	NA	NA	NA	94.6
	13C8-PFOA	EIS	7.51	421.0 / 376.0	2156923		2.693	NA	NA	NA	107.7
	13C9-PFNA	EIS	7.93	472.0 / 427.0	1067528		1.200	NA	NA	NA	96.0
	13C6-PFDA	EIS	8.15	519.0 / 474.0	1001640		1.323	NA	NA	NA	105.8
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	842449		1.375	NA	NA	NA	110.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	673581		1.690	NA	NA	NA	135.2
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	525668		1.215	NA	NA	NA	97.2
	13C3-PFBS	EIS	5.33	302.1 / 80.1	1098290		2.387	NA	NA	NA	102.5
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	862594		2.361	NA	NA	NA	99.6
	13C8-PFOS	EIS	8.24	507.1 / 80.1	805971		2.274	NA	NA	NA	95.0
	13C2-4:2FTS	EIS	5.16	329.1 / 81.1	629129		7.663	NA	NA	NA	163.4
	13C2-6:2FTS	EIS	7.13	429.2 / 81.1	322424		5.359	NA	NA	NA	112.7
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	615798		6.993	NA	NA	NA	145.7

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	9.51	506.1 / 78.1	1319333		2.800	NA	NA	NA	112.0
d3-NMeFOSA	EIS	10.14	515.2 / 219.0	222544		2.806	NA	NA	NA	112.2
d5-NEtFOSA	EIS	10.35	531.2 / 219.0	219881		2.838	NA	NA	NA	113.5
d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	892168		4.976	NA	NA	NA	99.5
d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	511754		5.431	NA	NA	NA	108.6
d7-NMeFOSE	EIS	10.05	623.2 / 58.9	1876409		30.636	NA	NA	NA	122.5
d9-NEtFOSE	EIS	10.24	639.2 / 58.9	2829505		31.334	NA	NA	NA	125.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.63	287.0 / 169.0	3702869		9.519	NA	NA	NA	95.2
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1537692		7.191	NA	NA	NA	143.8
	13C2-PFHxA	NIS	5.36	315.0 / 270.0	1742859		3.560	NA	NA	NA	142.4
	13C4-PFOA	NIS	7.51	417.0 / 372.0	1047800		3.347	NA	NA	NA	133.9
	13C5-PFNA	NIS	7.92	468.0 / 423.0	1083884		1.979	NA	NA	NA	158.3
	13C2-PFDA	NIS	8.14	515.1 / 470.1	889754		1.736	NA	NA	NA	138.9
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	742674		3.170	NA	NA	NA	133.8
	13C4-PFOS	NIS	8.24	503.1 / 80.1	626877		2.977	NA	NA	NA	124.3

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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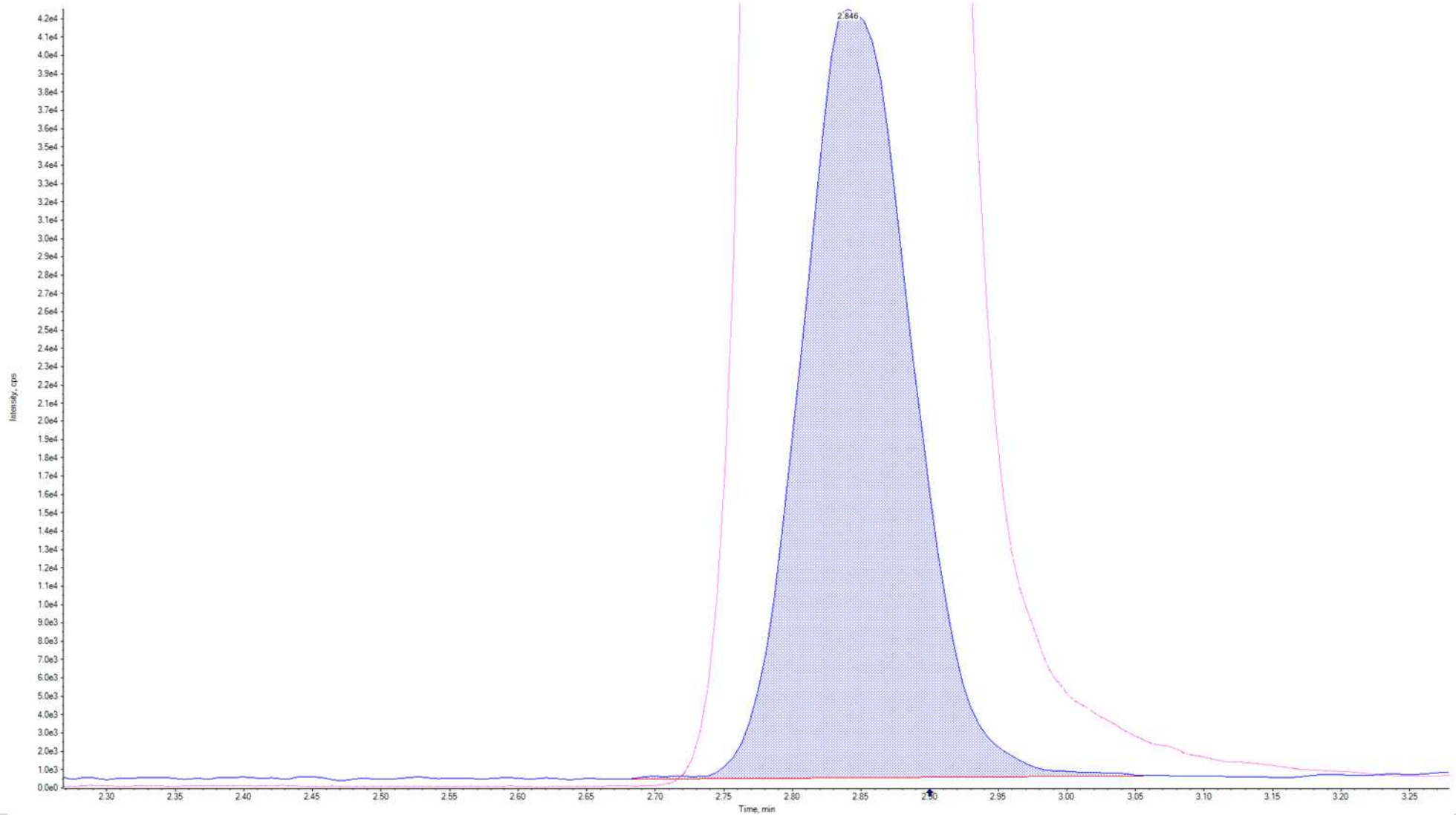
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBA
Sample: WG1972930-2,1633LOW S/N:934.4 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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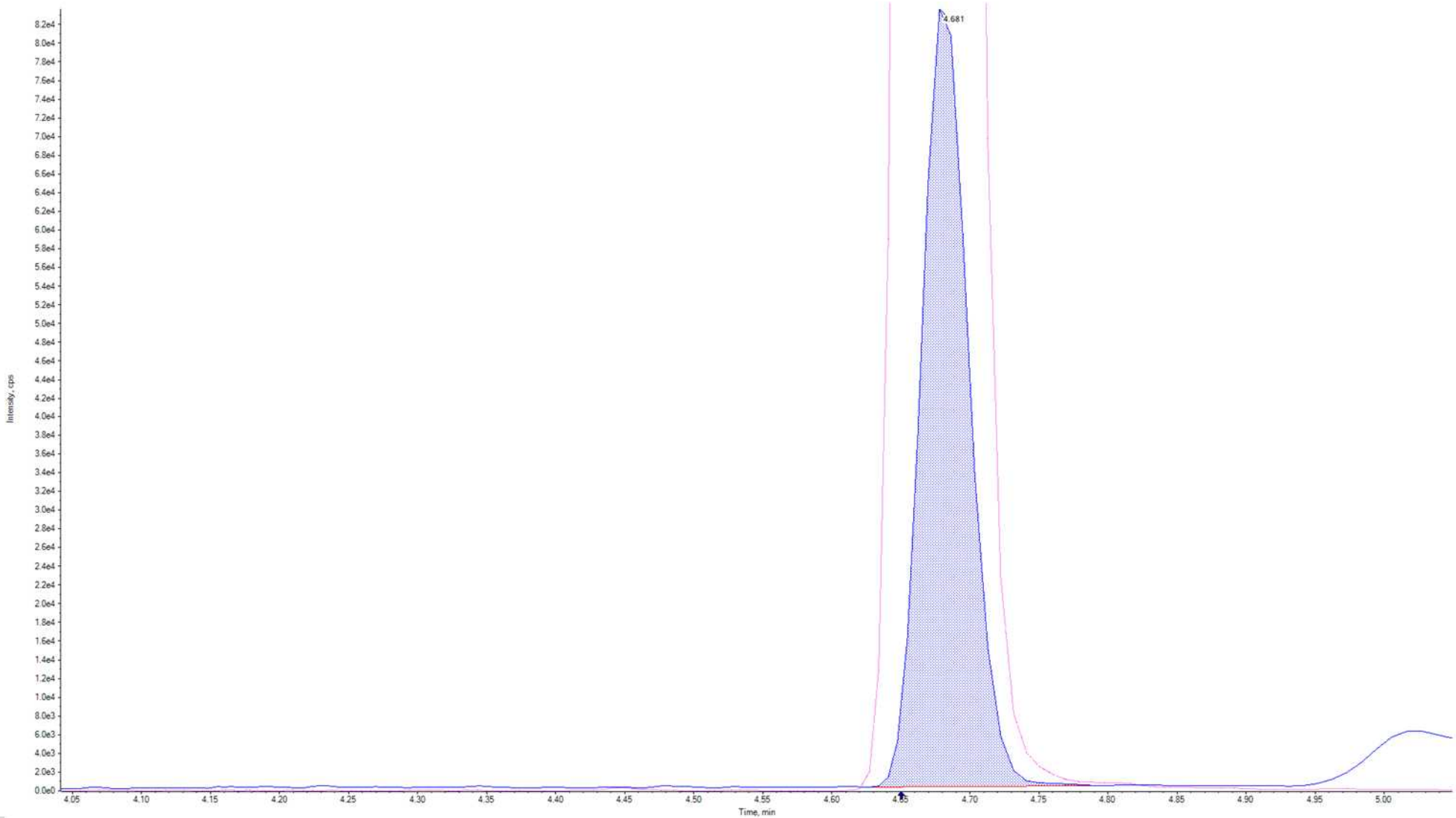
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeA
Sample: WG1972930-2,1633LOW S/N:1004.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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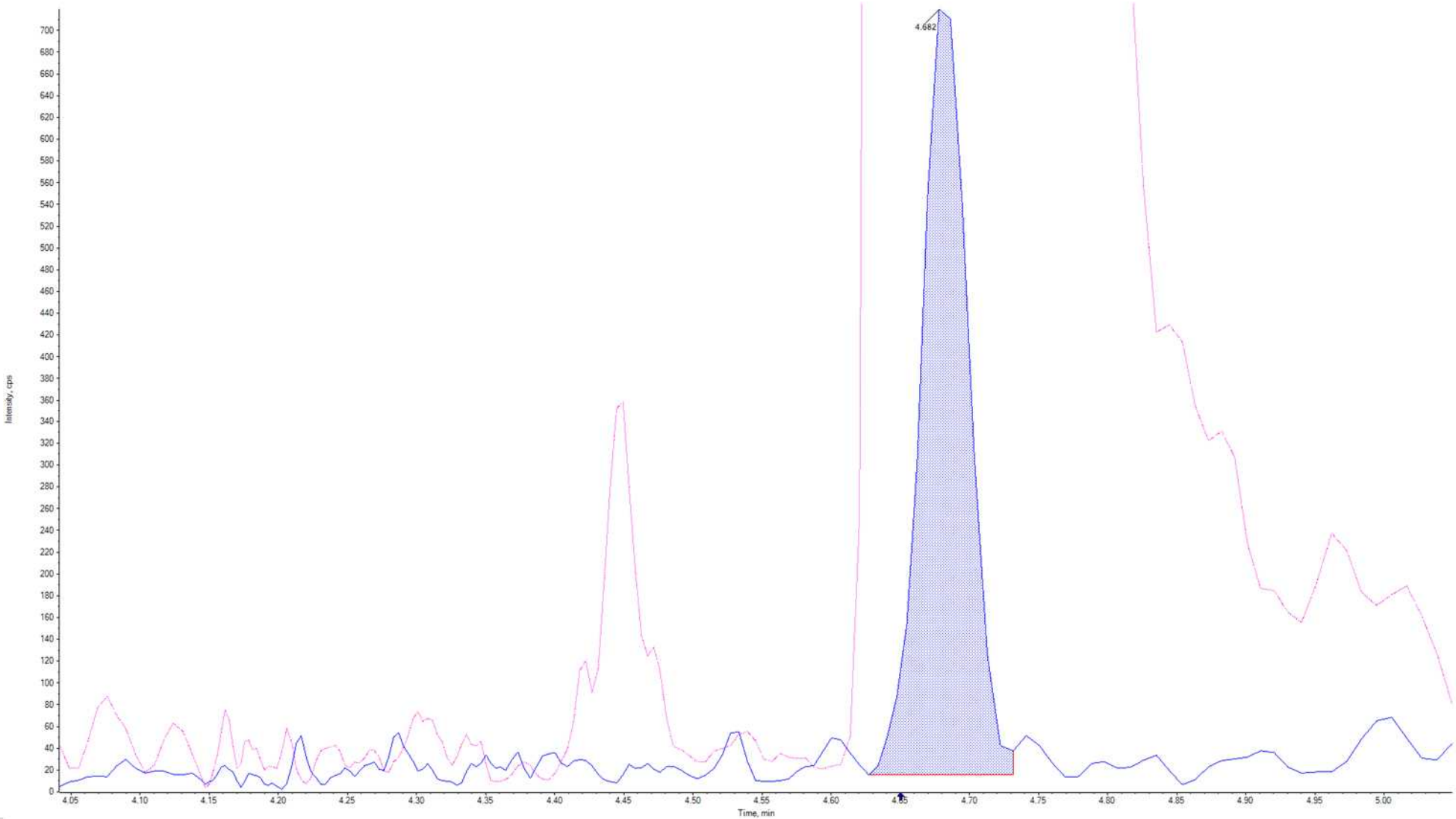
Generated: 9/18/2024 6:35:36 AM

PFPeA_2
Sample: WG1972930-2,1633LOW S/N:227.2 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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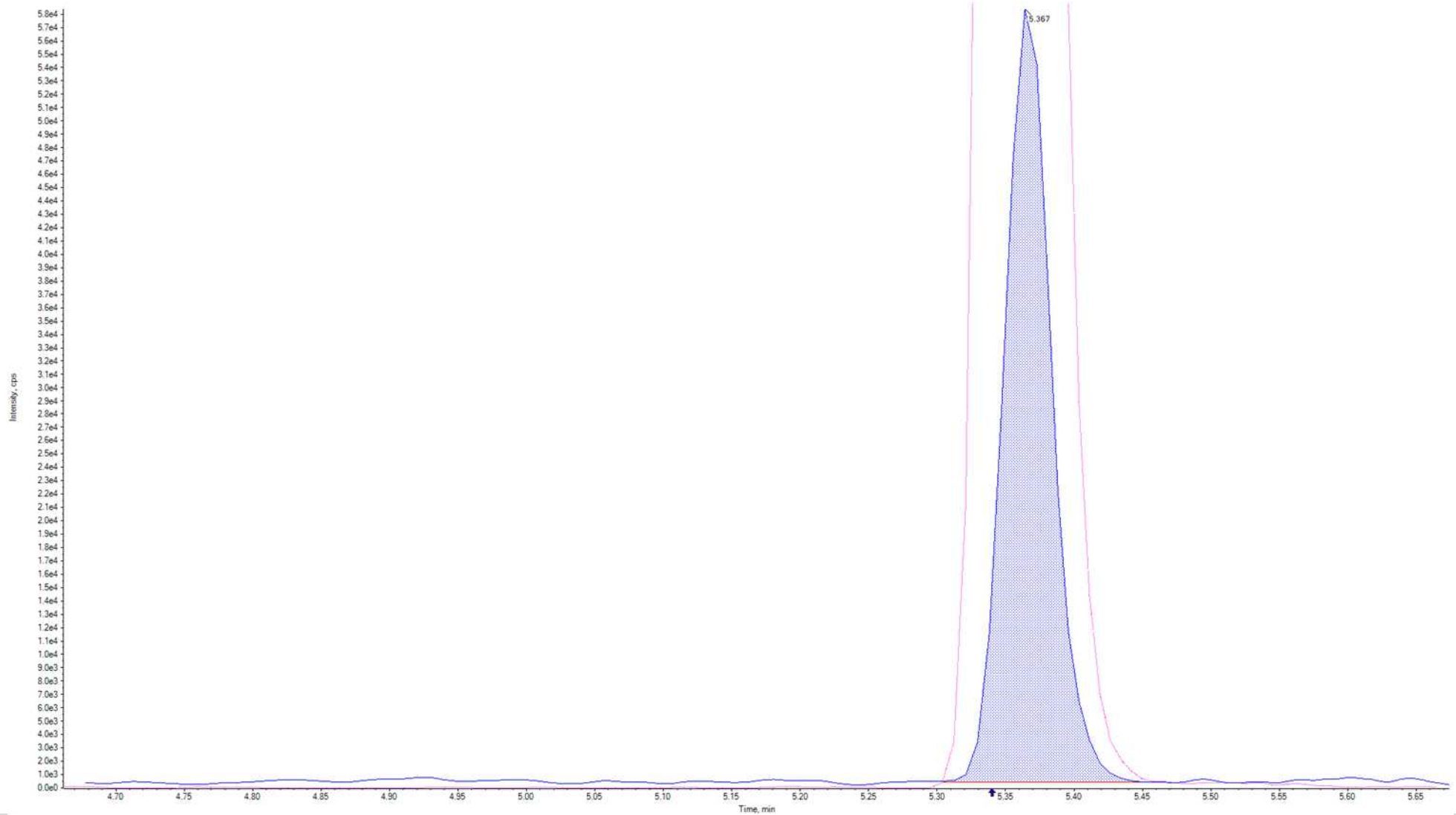
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA
Sample: WG1972930-2,1633LOW S/N:573.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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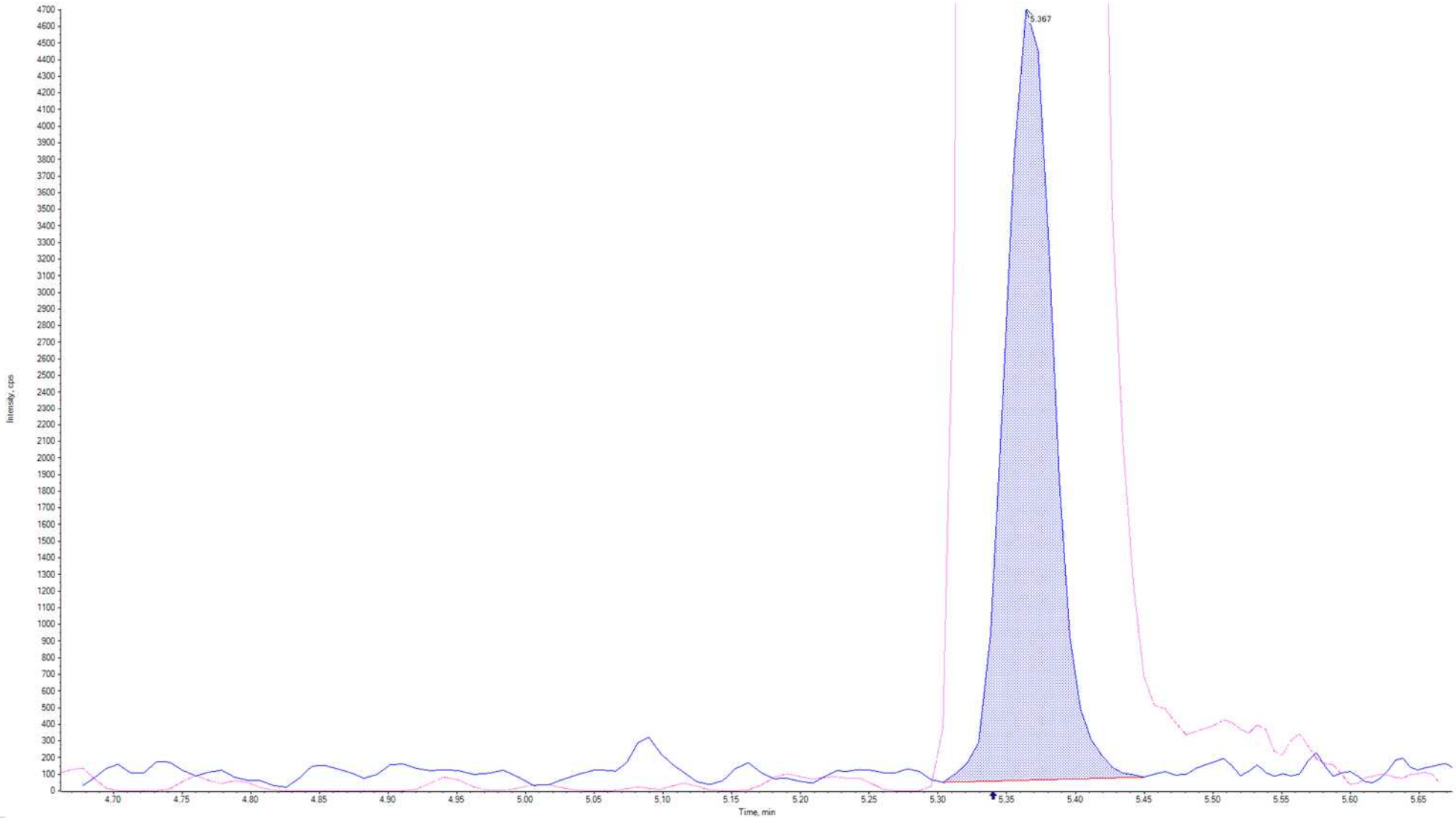
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA_2
Sample: WG1972930-2,1633LOW S/N:243.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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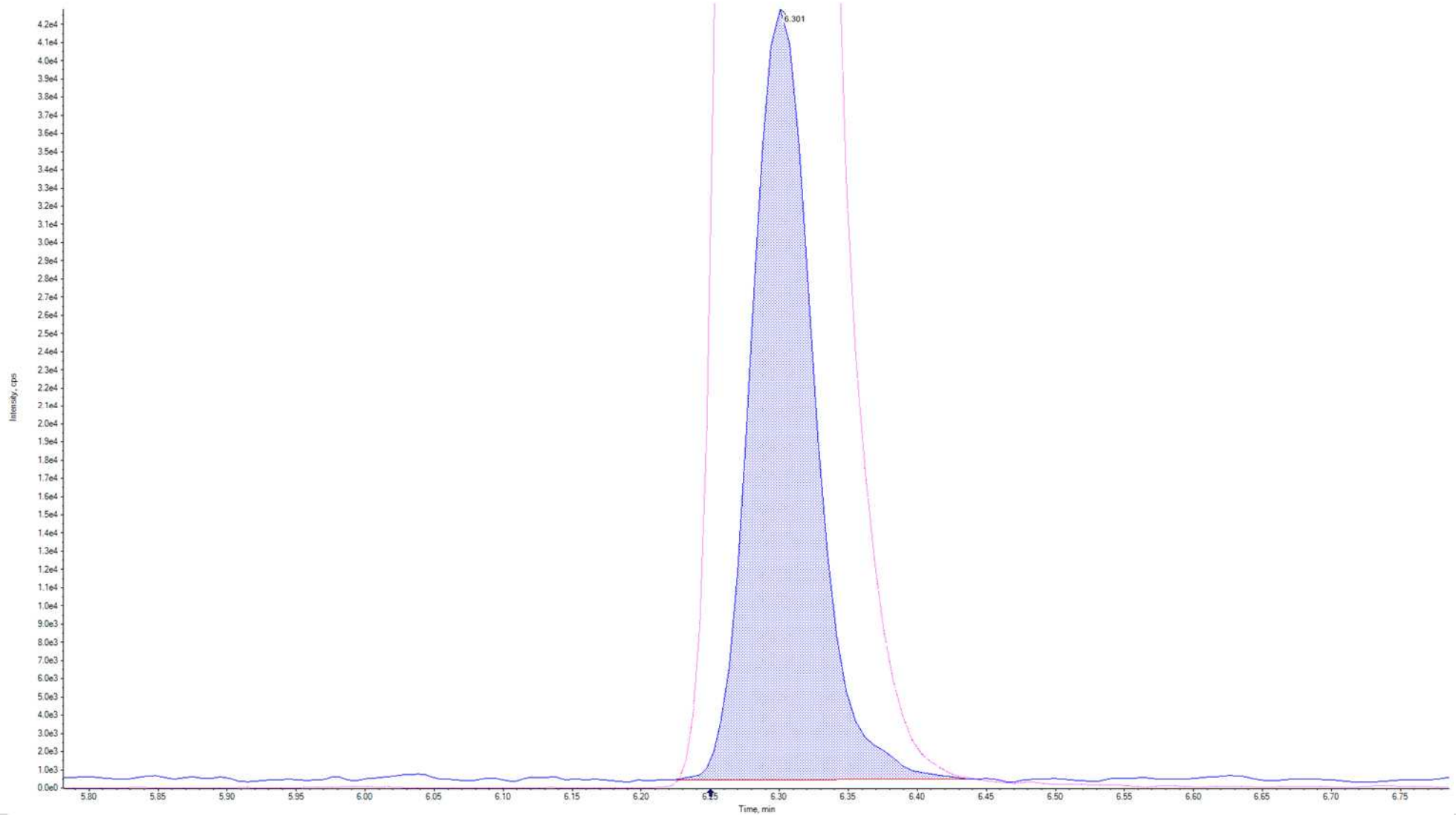
PFHpA
Sample: WG1972930-2,1633LOW S/N:725.7 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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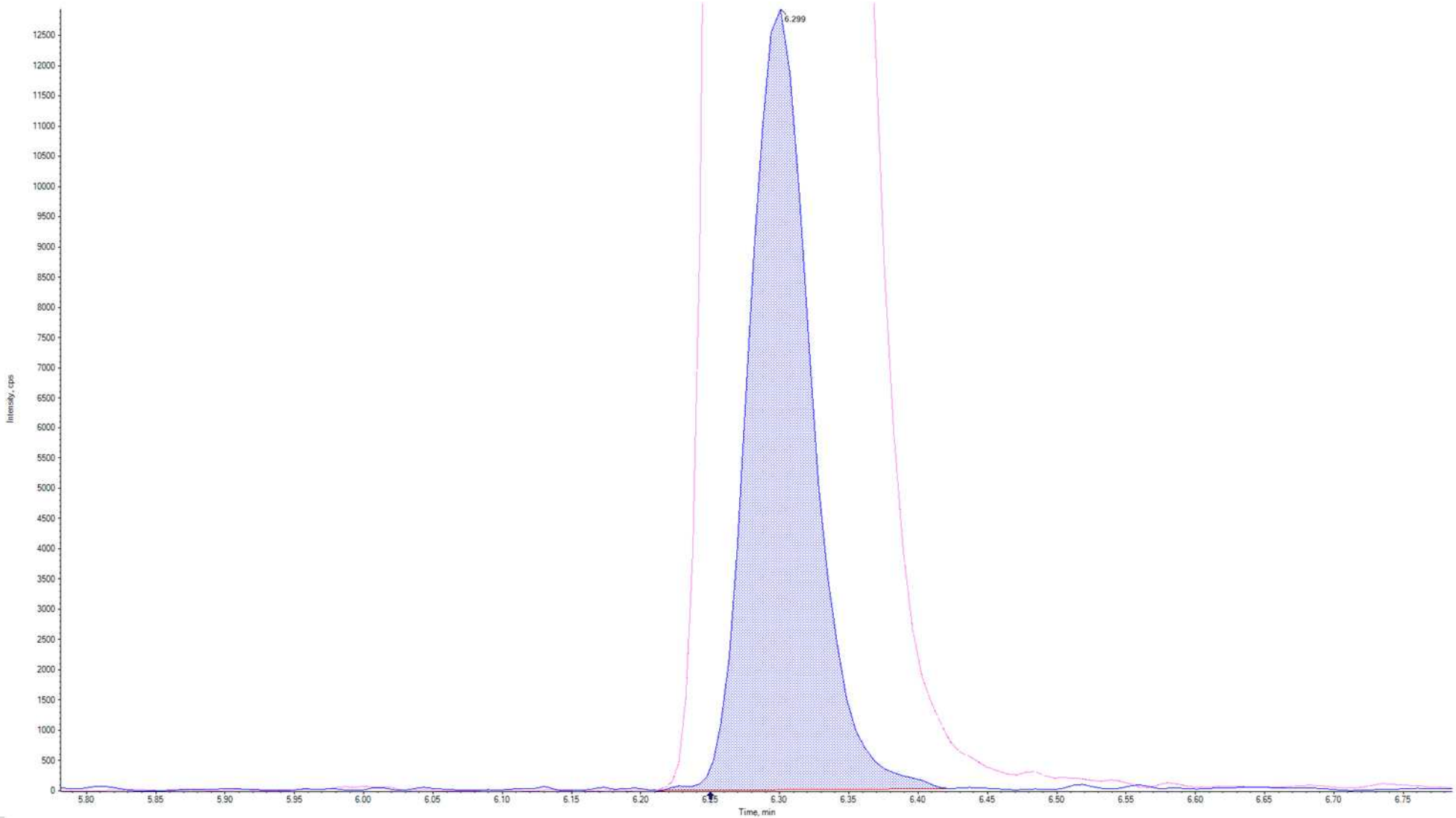
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpA_2
Sample: WG1972930-2,1633LOW S/N:8468.1 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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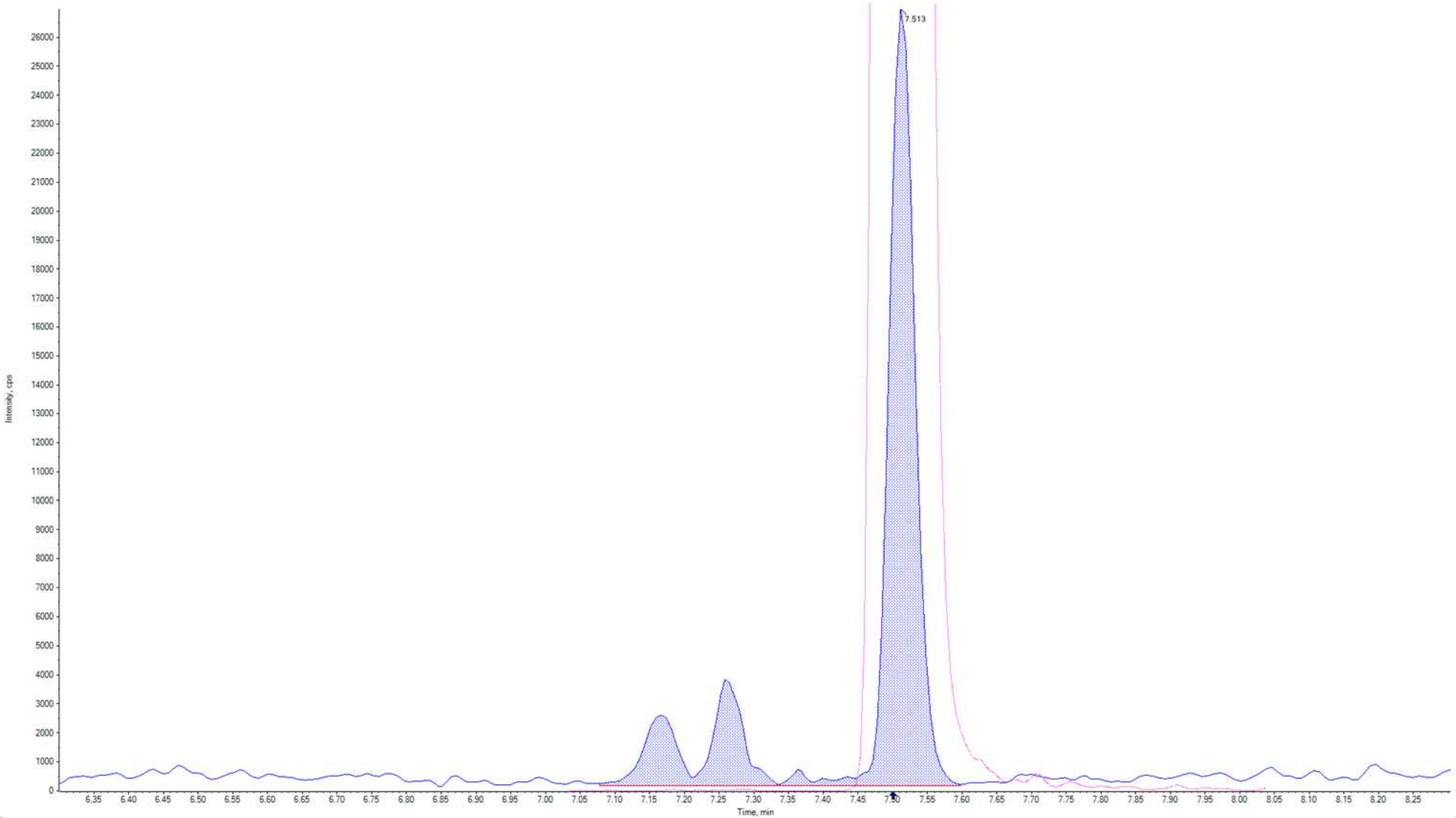
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOA
Sample: WG1972930-2,1633LOW S/N:509.6 Points Across peak:84



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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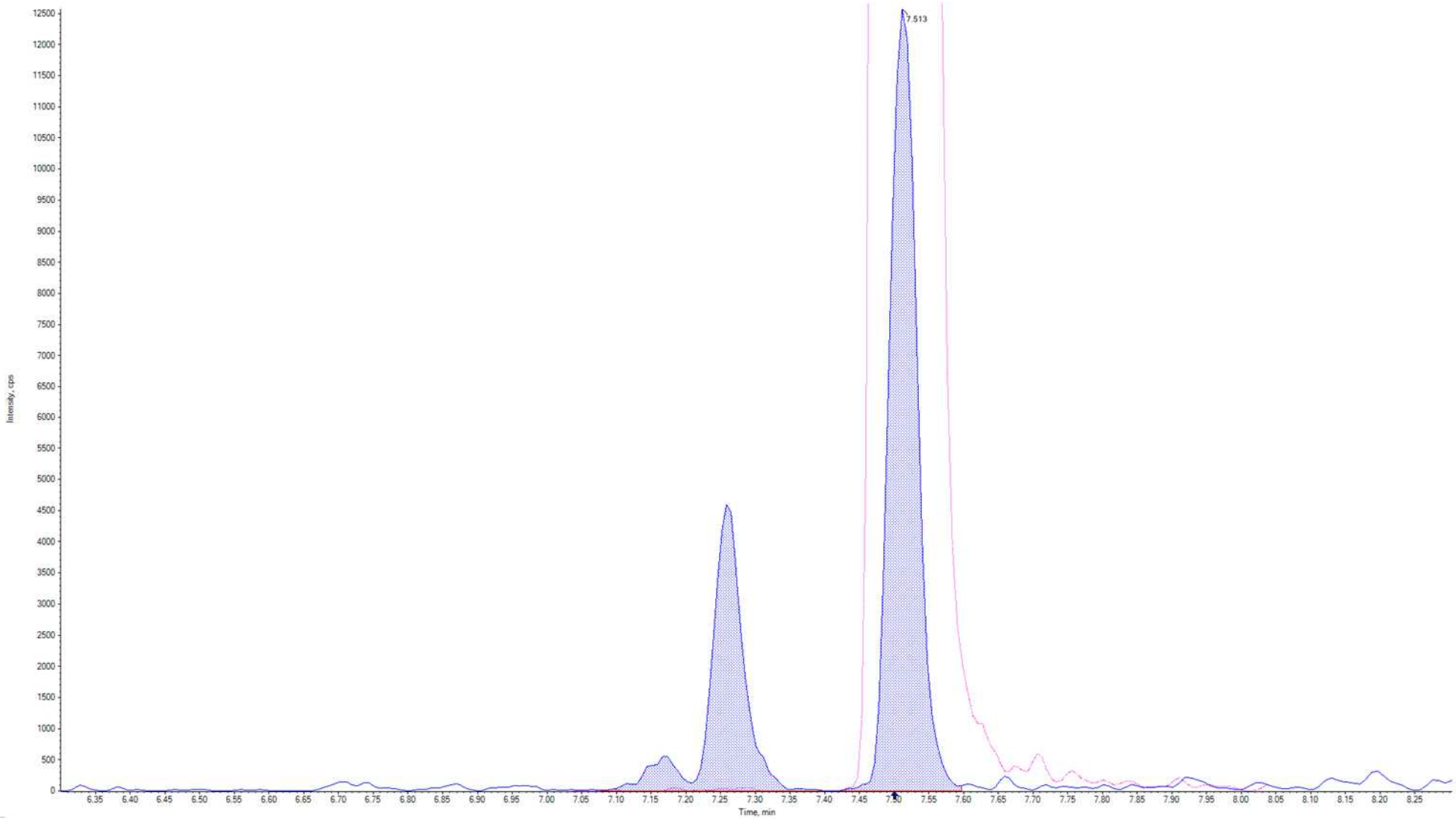
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOA_2
Sample: WG1972930-2,1633LOW S/N:44766.2 Points Across peak:84



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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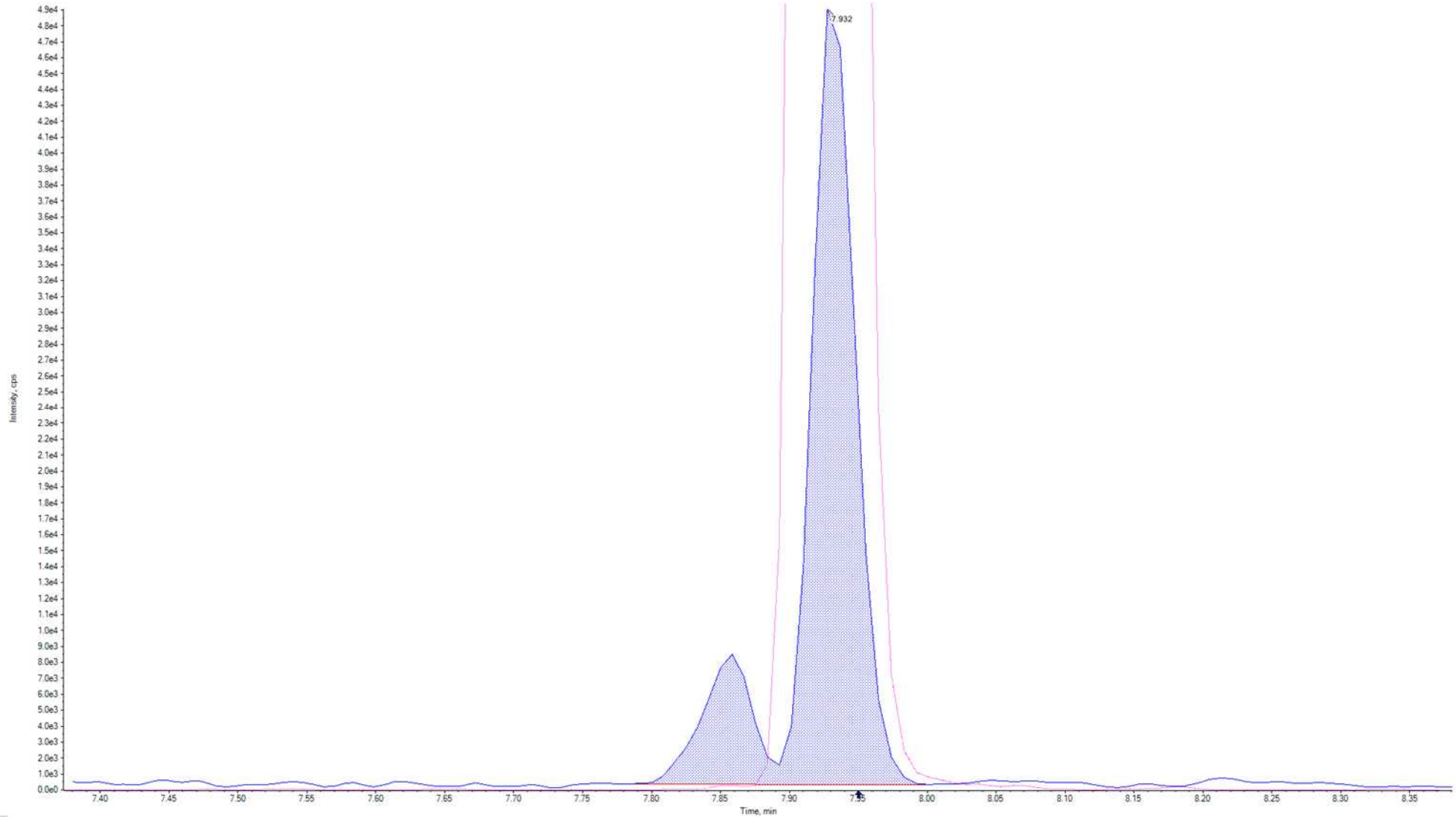
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: WG1972930-2,1633LOW S/N:458.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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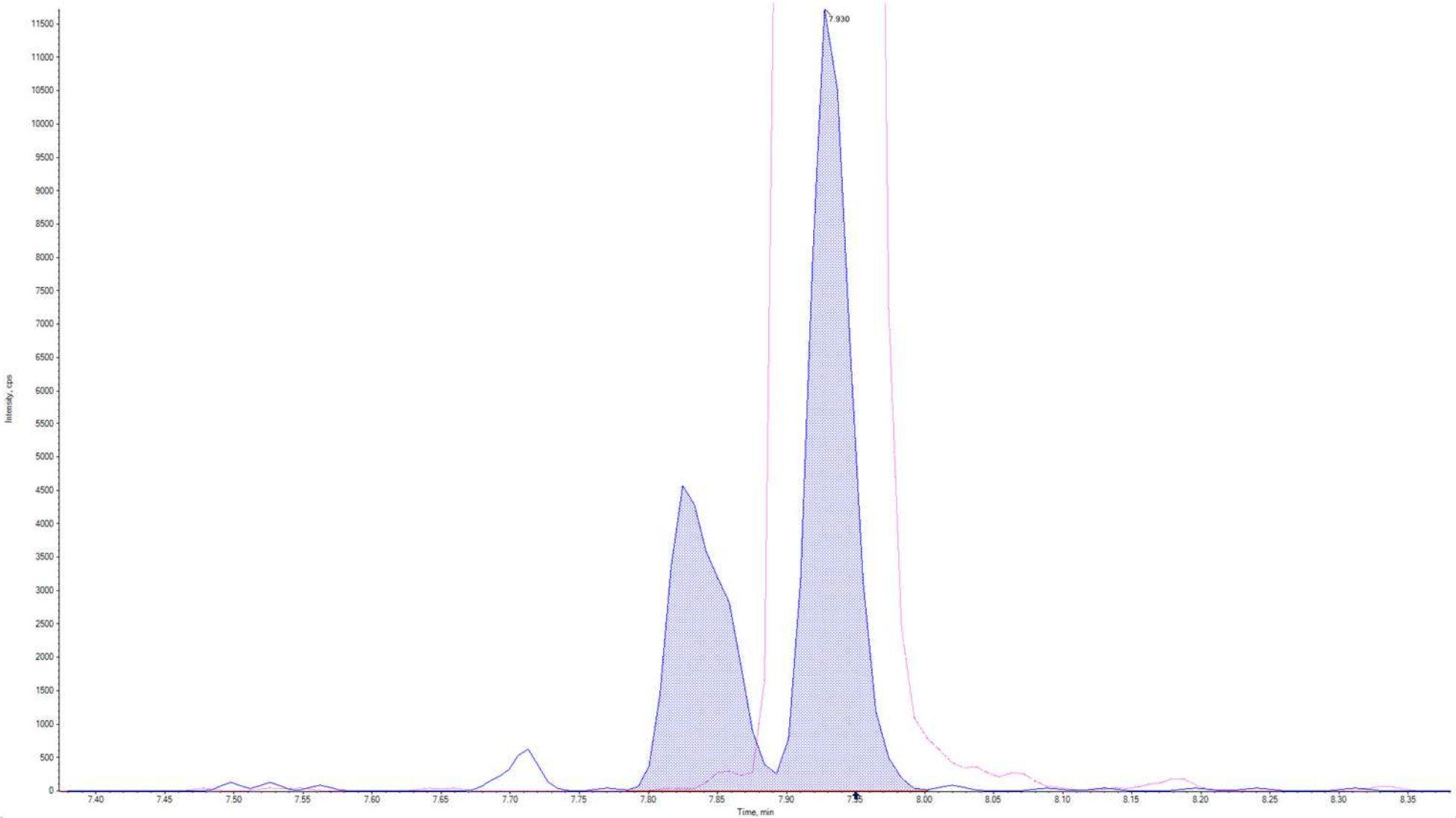
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNA_2
Sample: WG1972930-2,1633LOW S/N:421.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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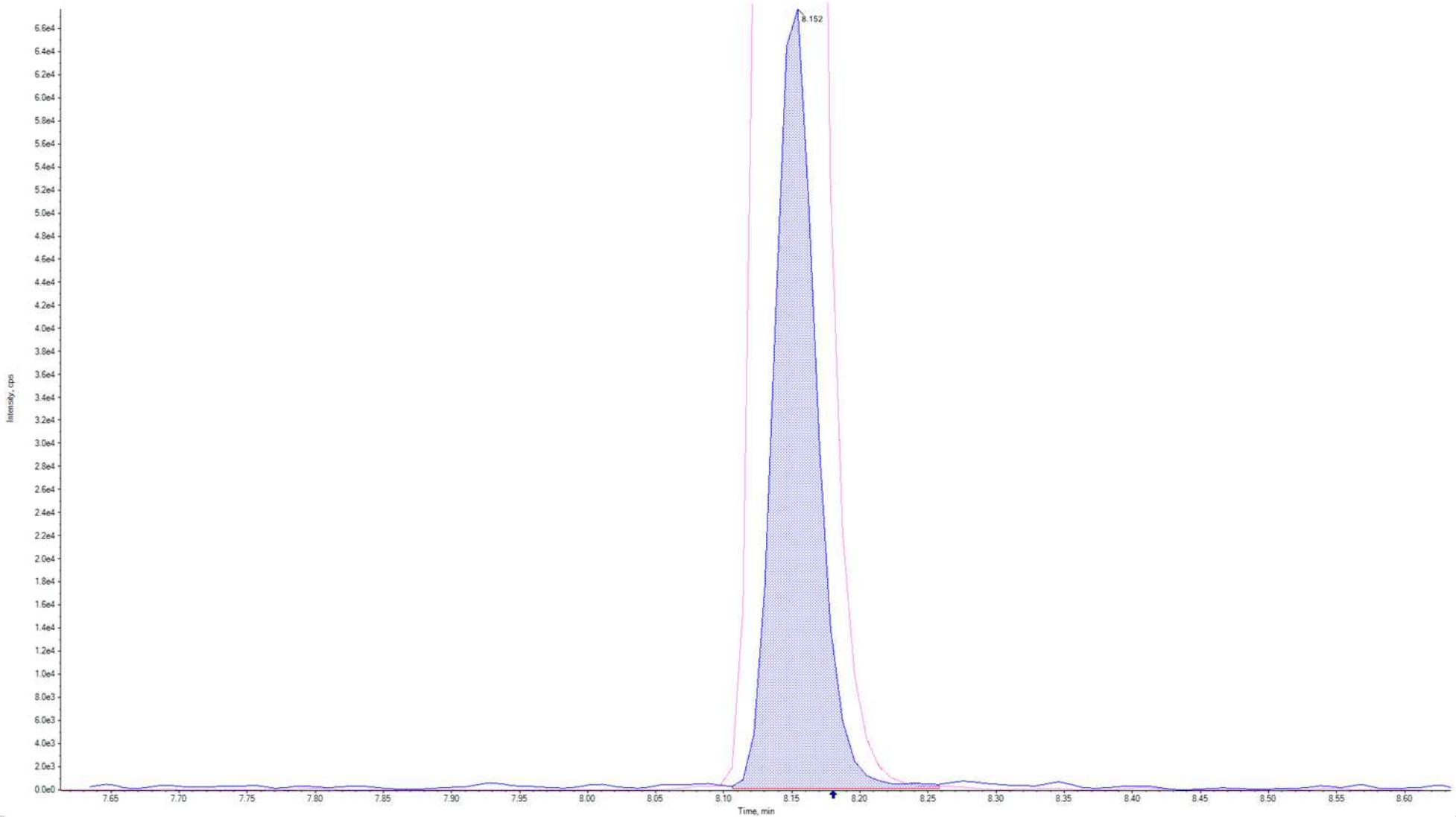
PFDA
Sample: WG1972930-2,1633LOW S/N:1532.3 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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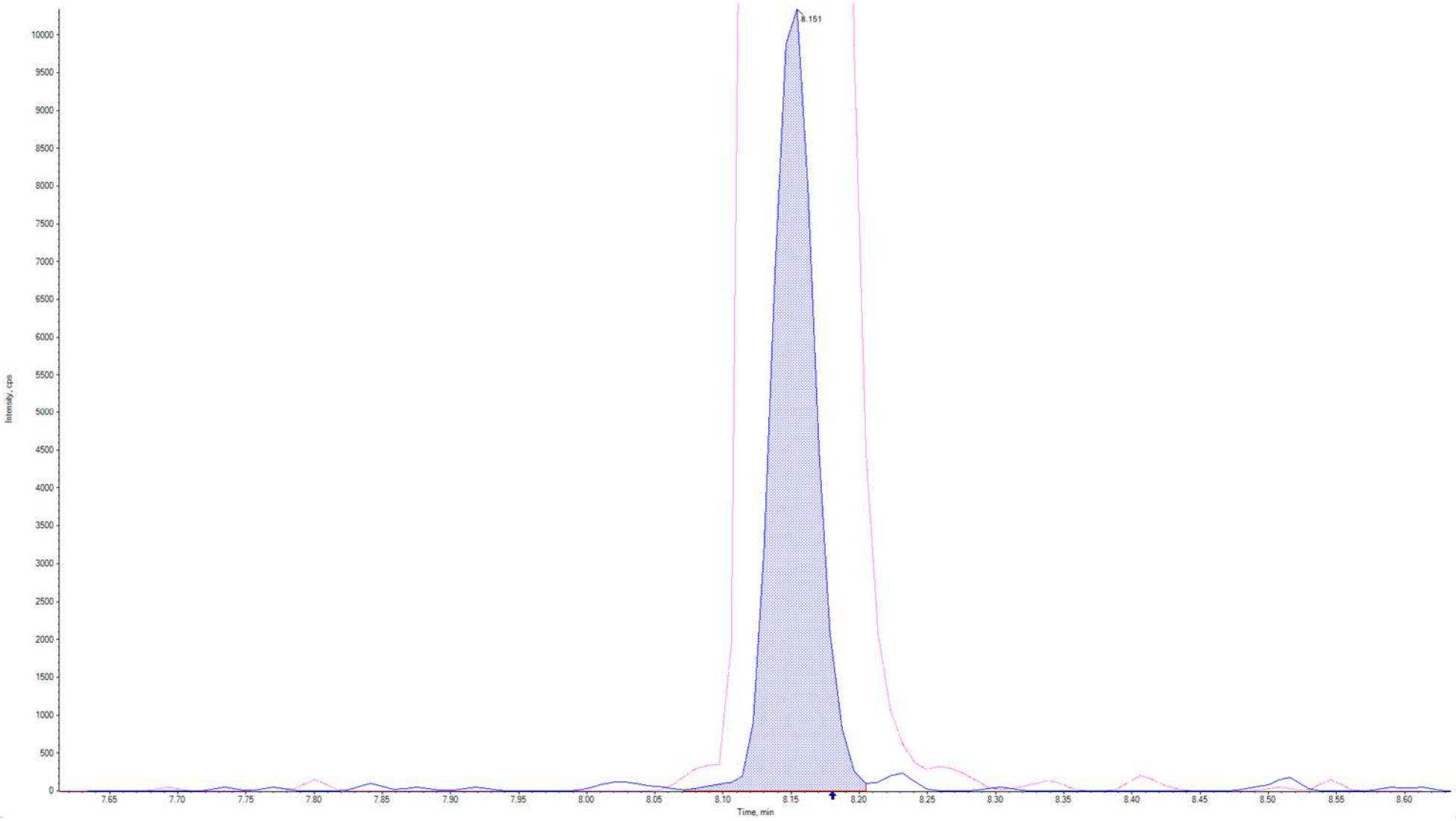
PFDA_2
Sample: WG1972930-2,1633LOW S/N:726.1 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 12:41:54 PM
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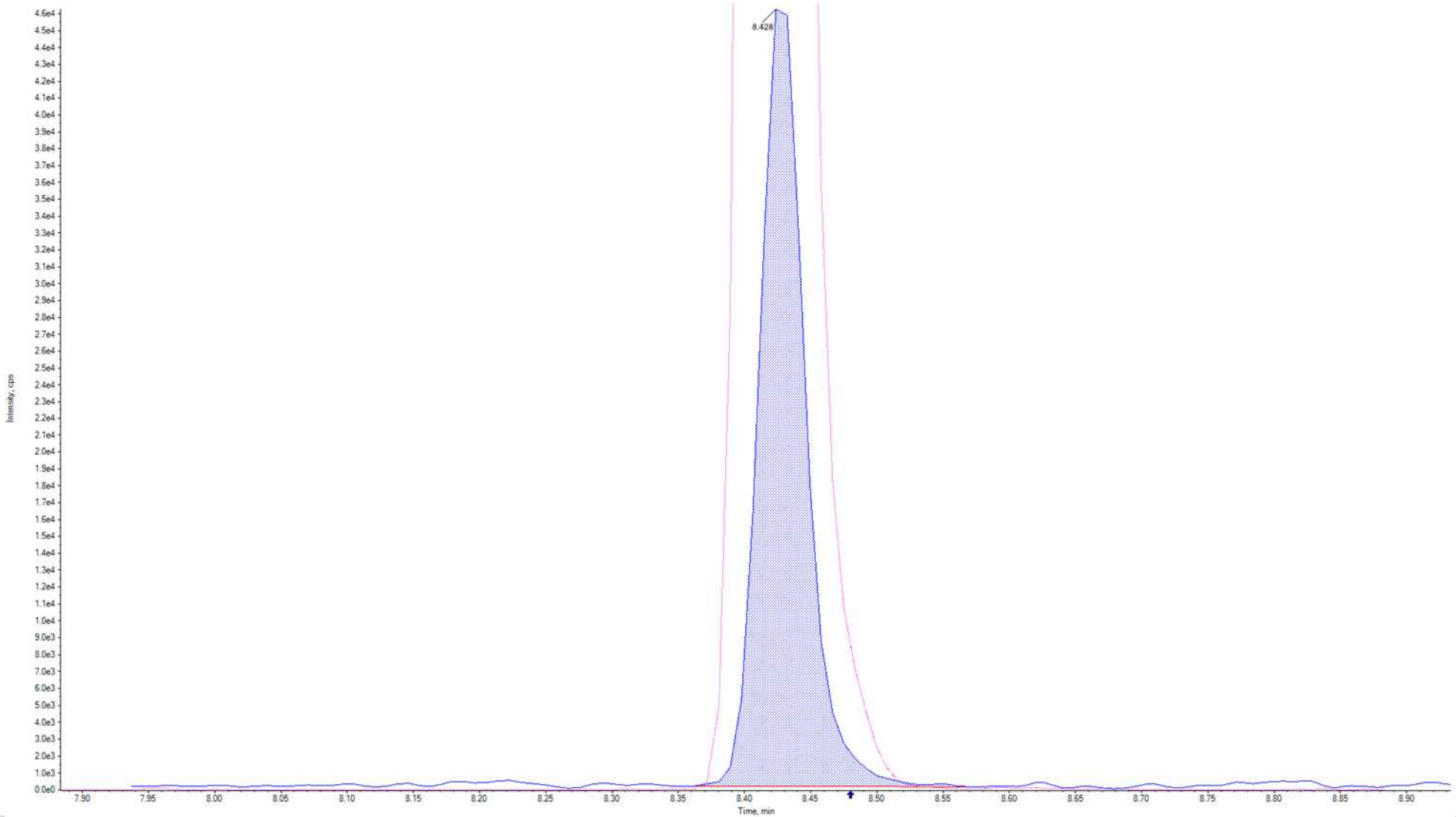
PFUnA
Sample: WG1972930-2,1633LOW S/N:820.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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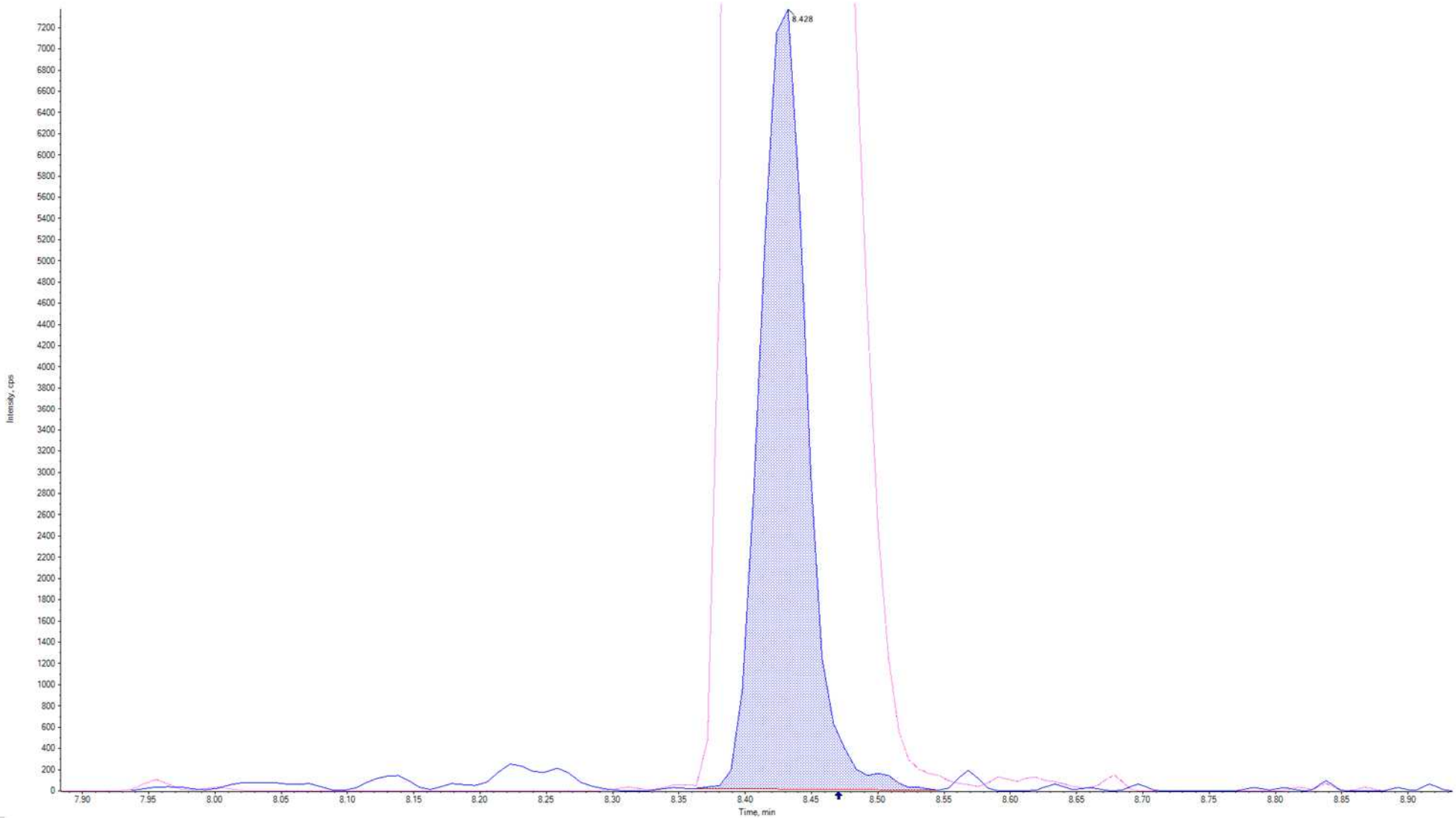
PFUnA_2
Sample: WG1972930-2,1633LOW S/N:333.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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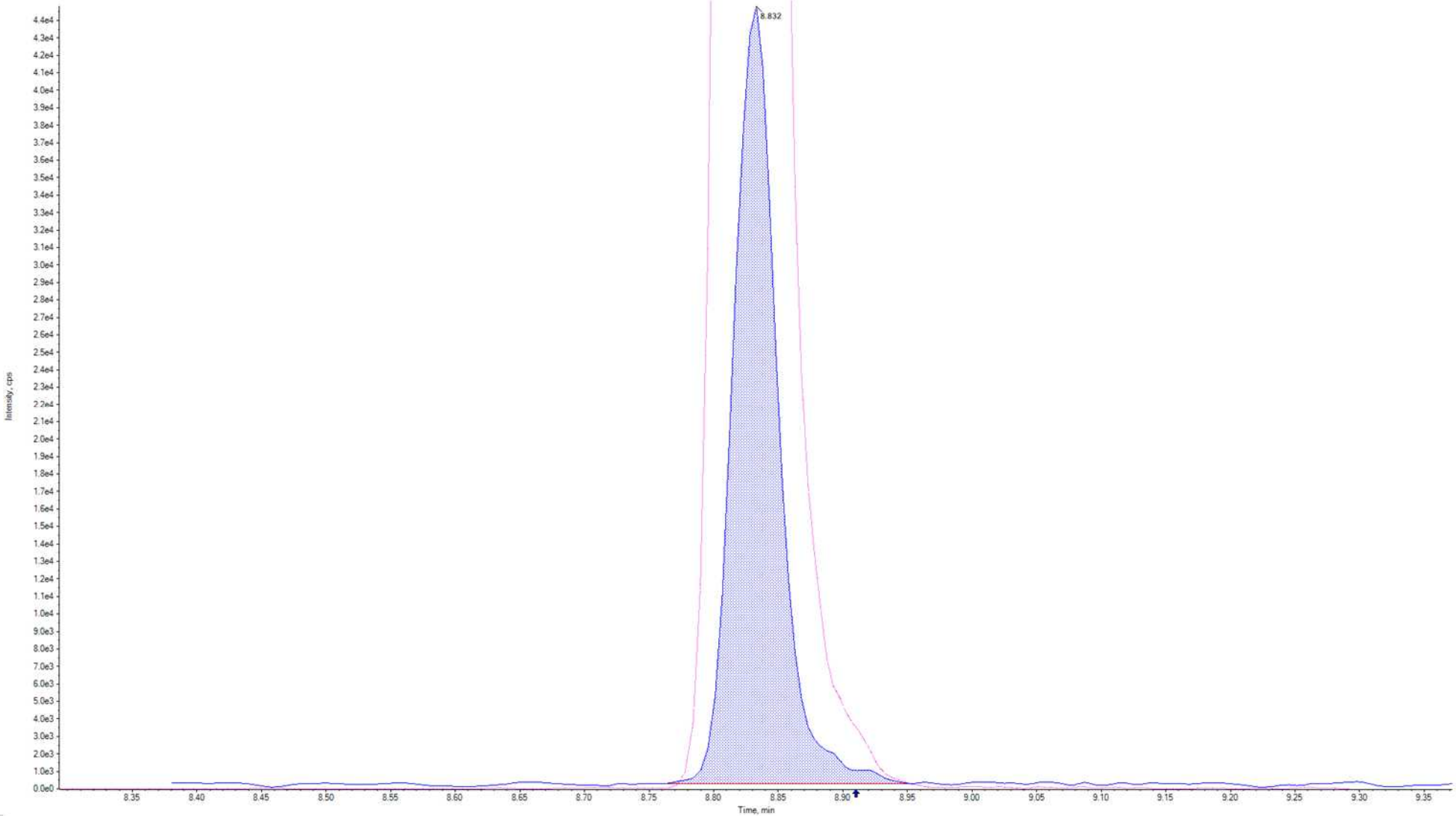
PFDoA
Sample: WG1972930-2,1633LOW S/N:1199.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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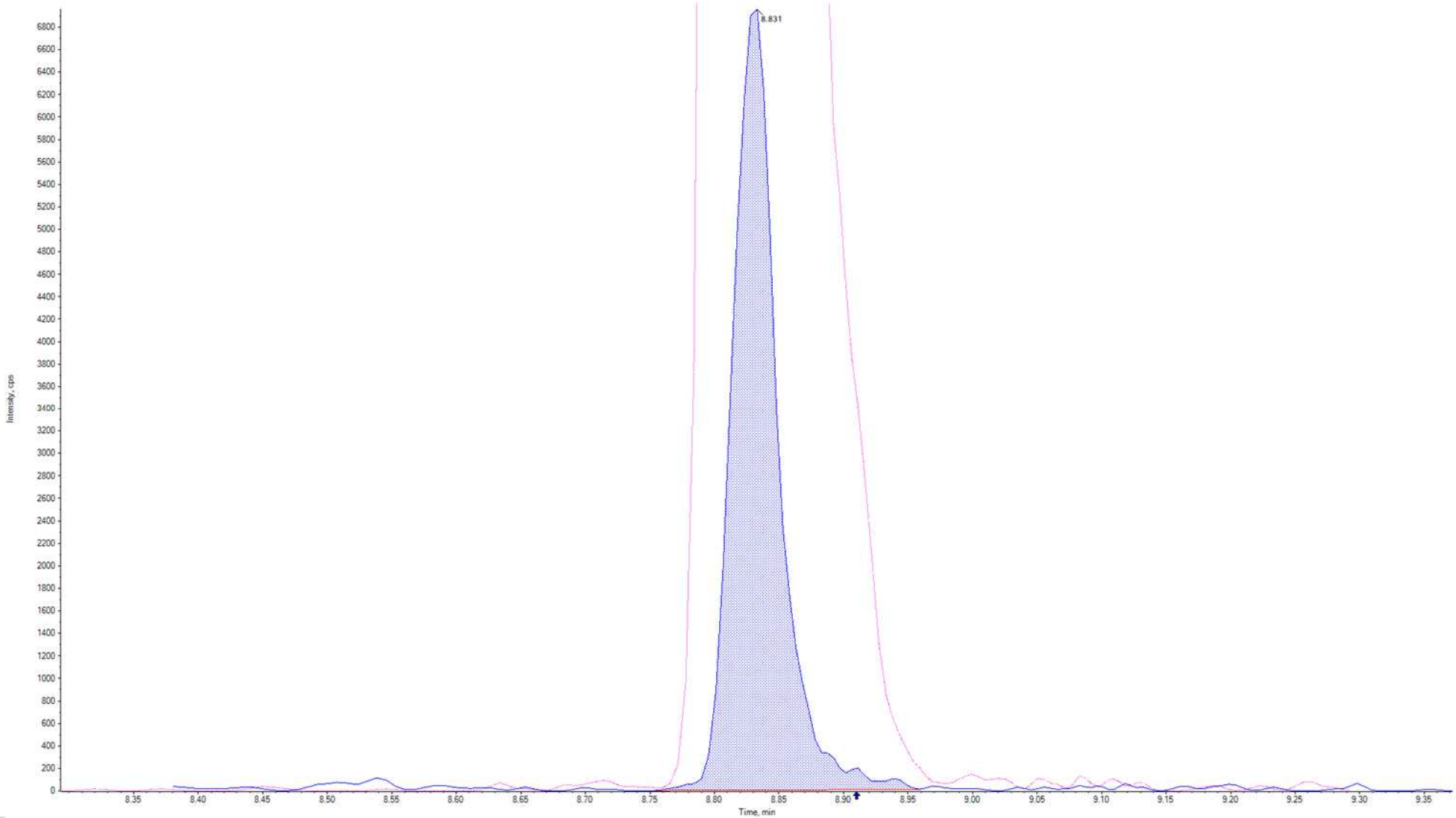
PFDoA_2
Sample: WG1972930-2,1633LOW S/N:36095.3 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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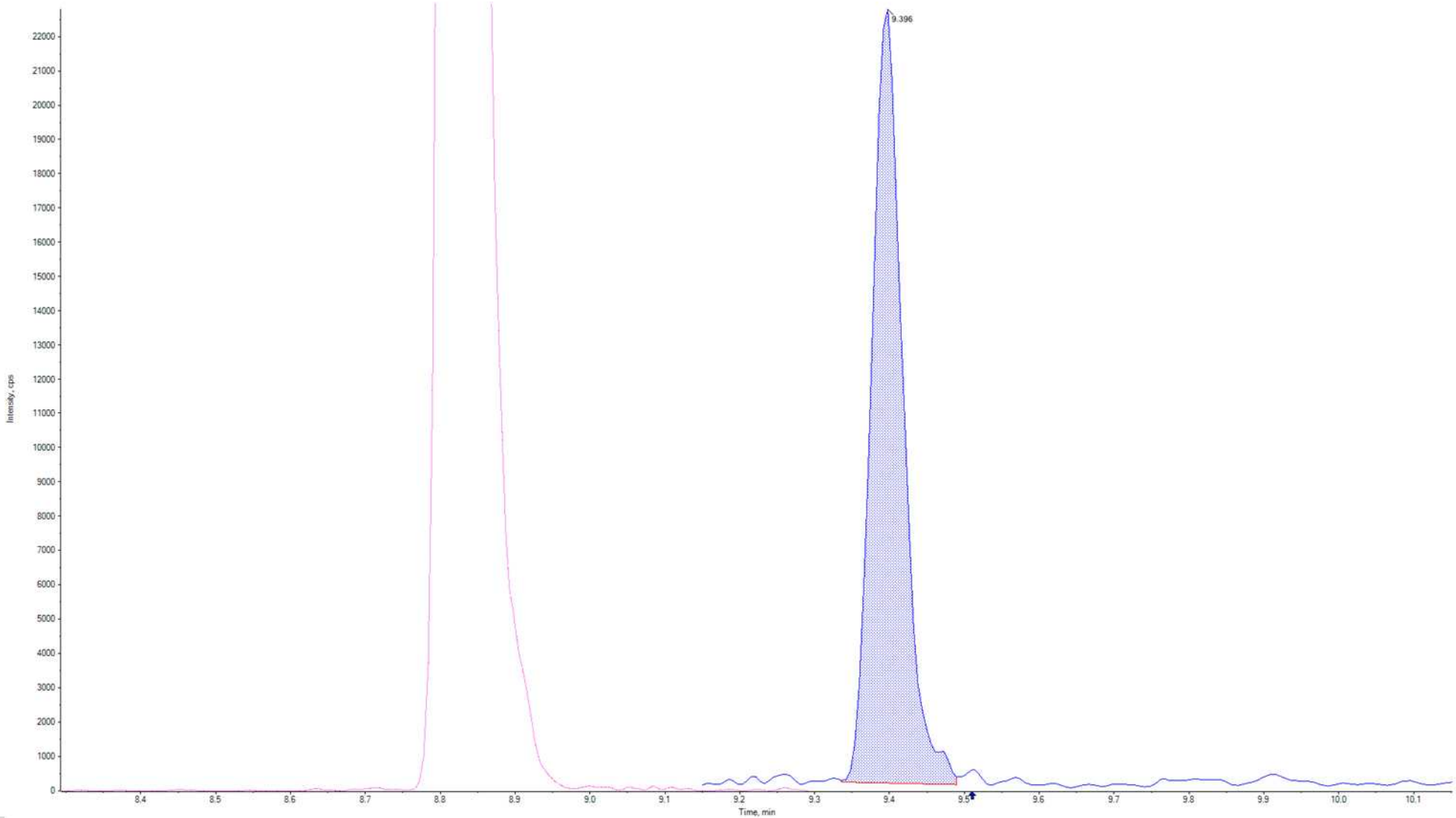
PFTrDA
Sample: WG1972930-2,1633LOW S/N:576.8 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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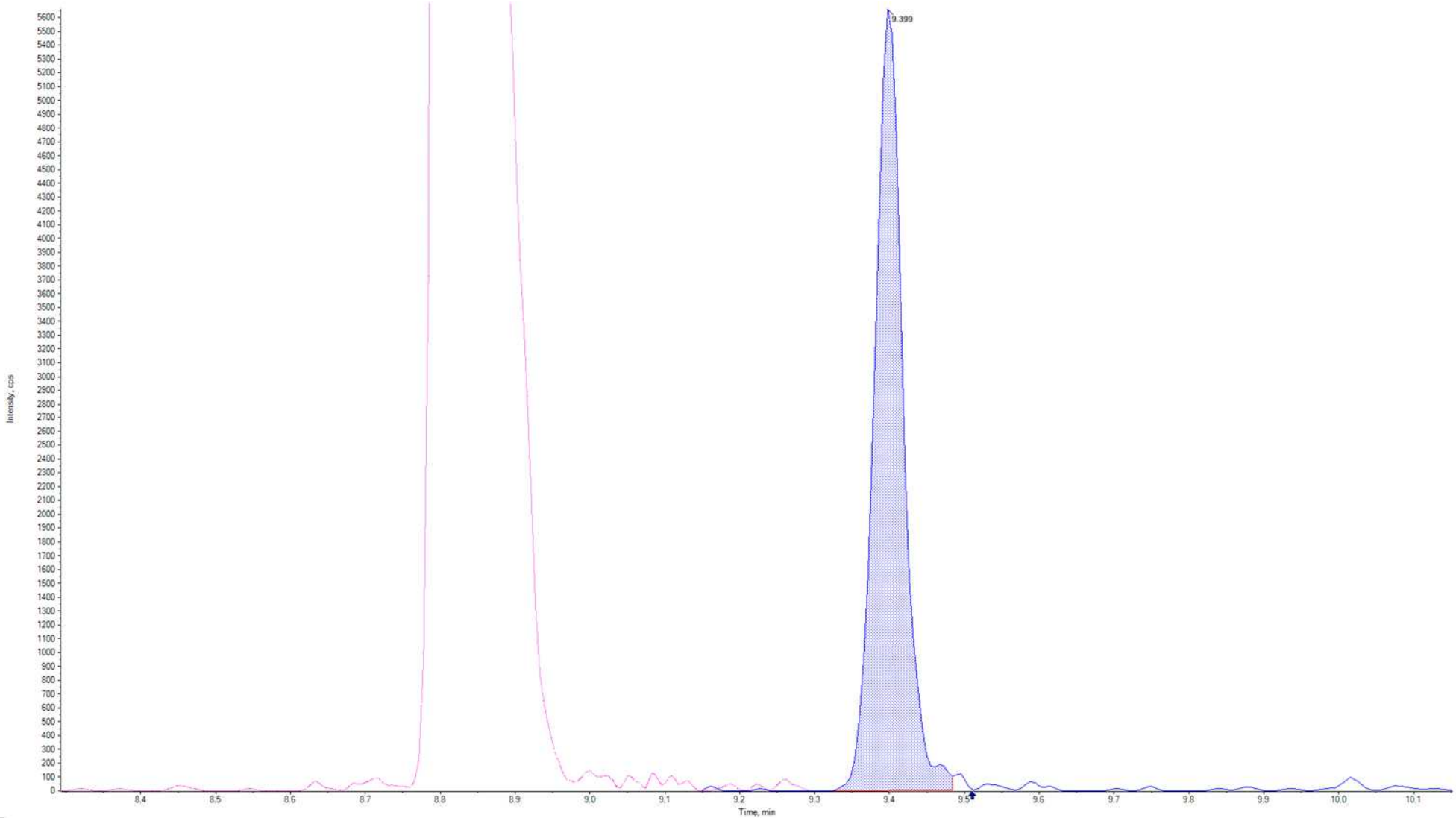
PFTrDA_2
Sample: WG1972930-2,1633LOW S/N:593.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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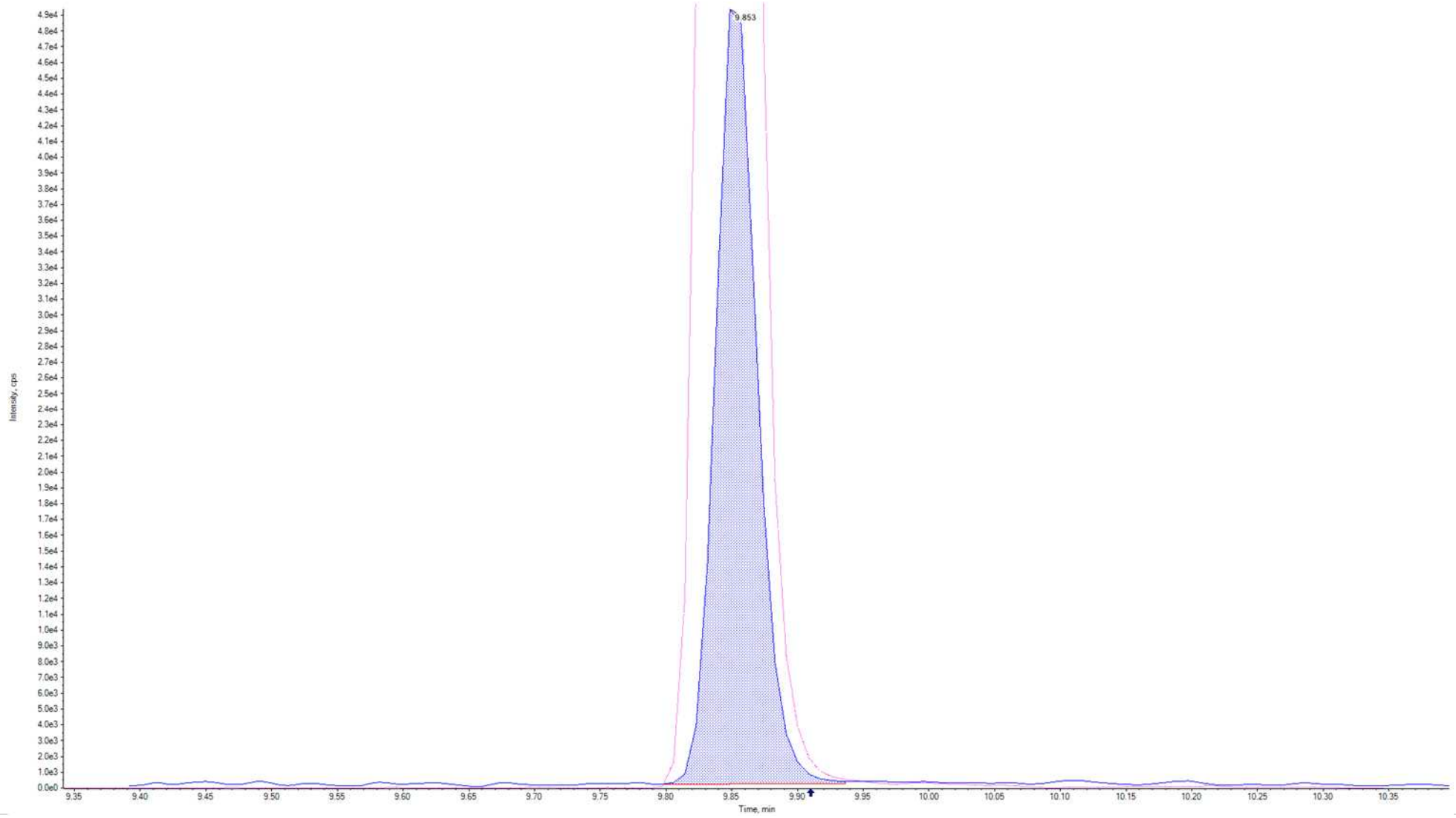
PFTeDA
Sample: WG1972930-2,1633LOW S/N:654.1 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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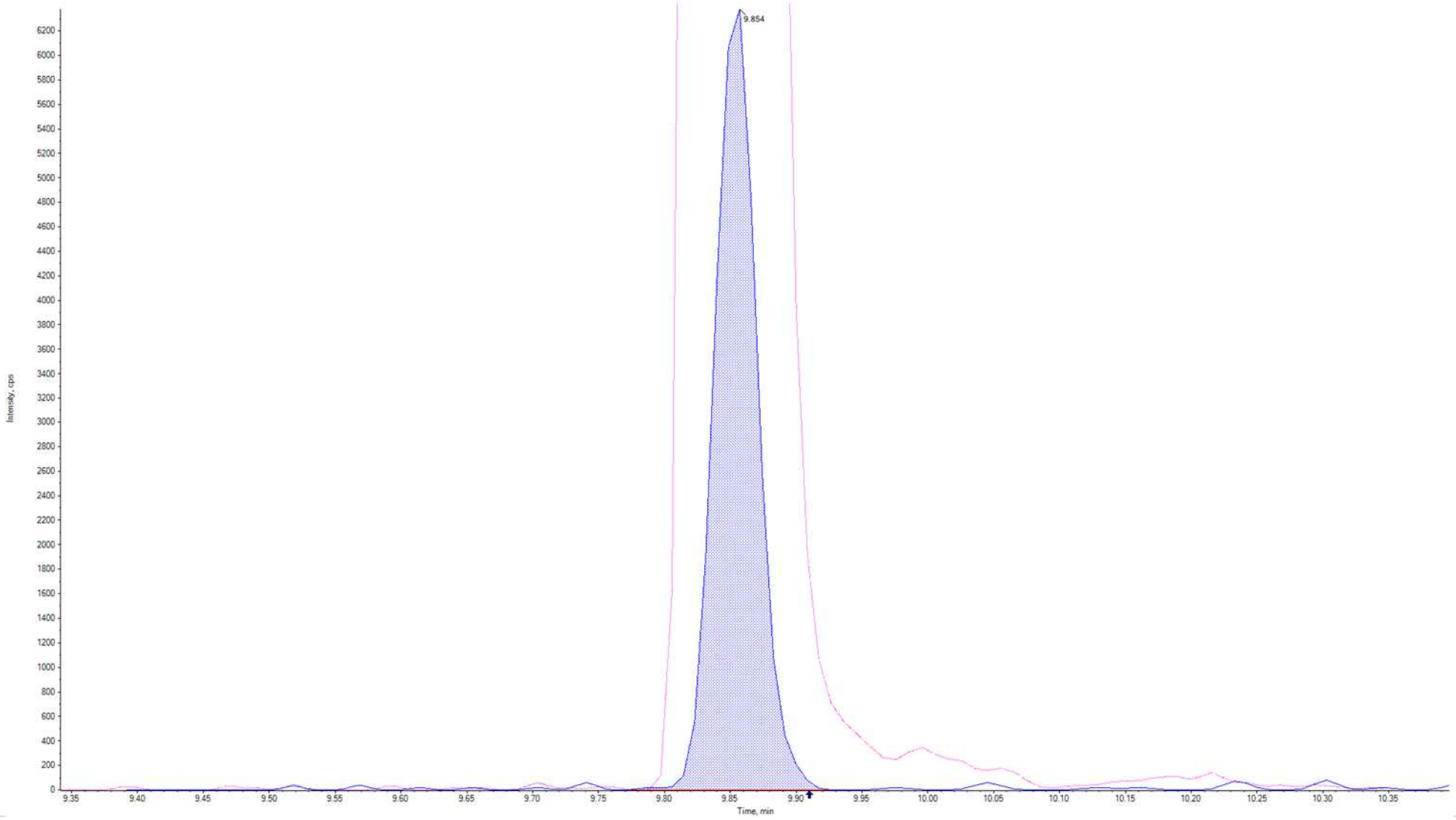
PFTeDA_2
Sample: WG1972930-2,1633LOW S/N:624.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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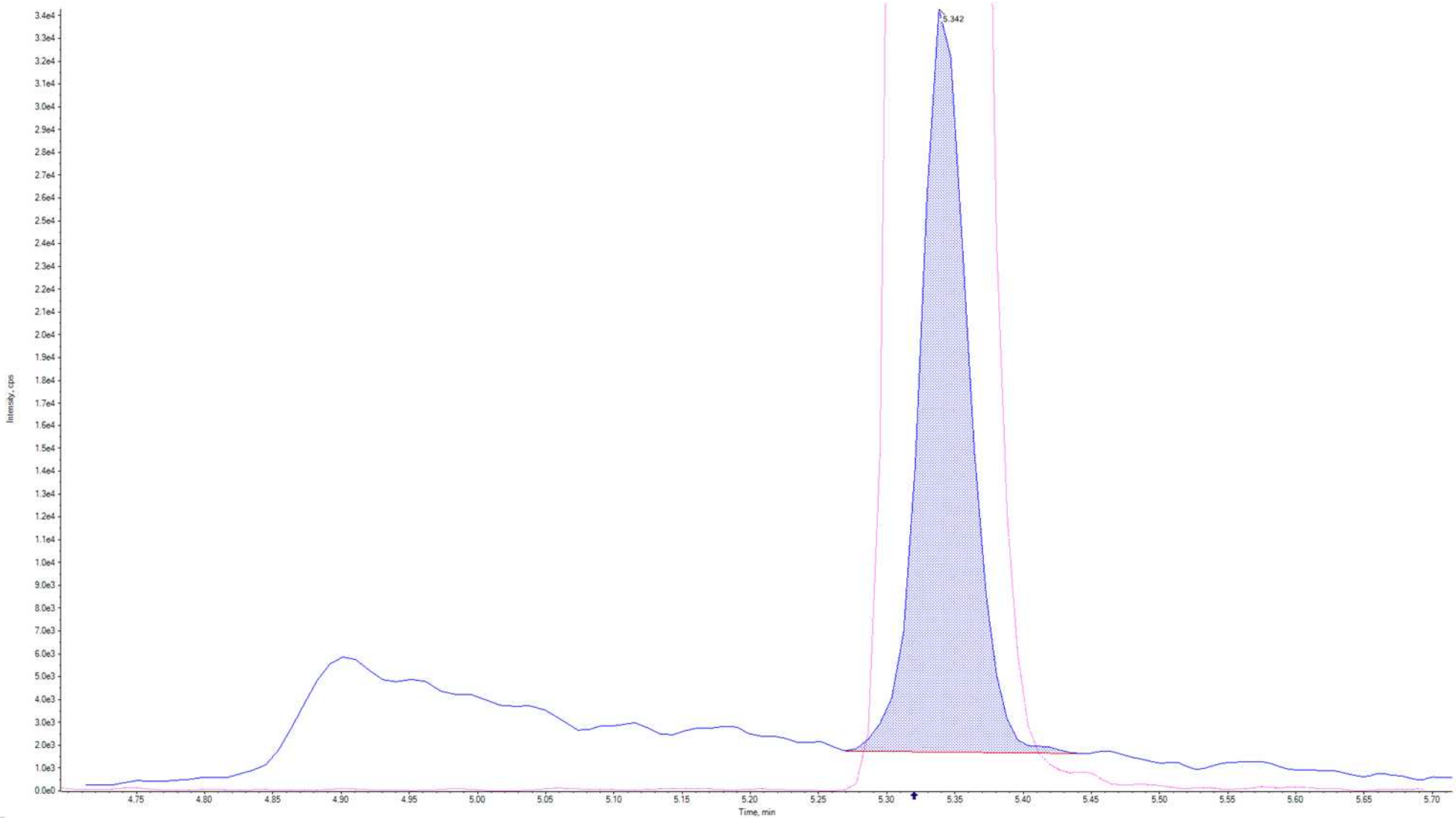
PFBS
Sample: WG1972930-2,1633LOW S/N:69.2 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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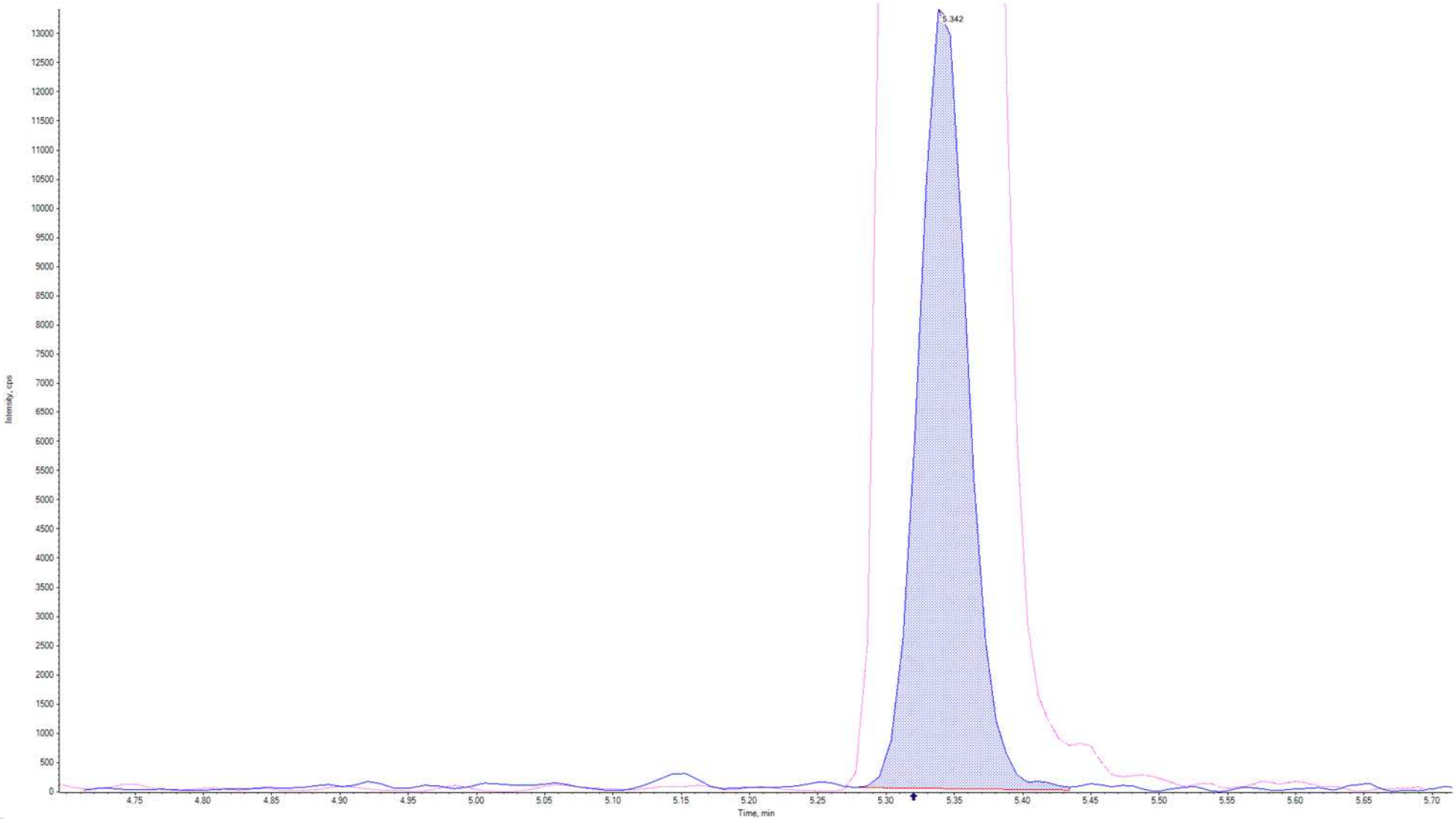
PFBS_2
Sample: WG1972930-2,1633LOW S/N:964.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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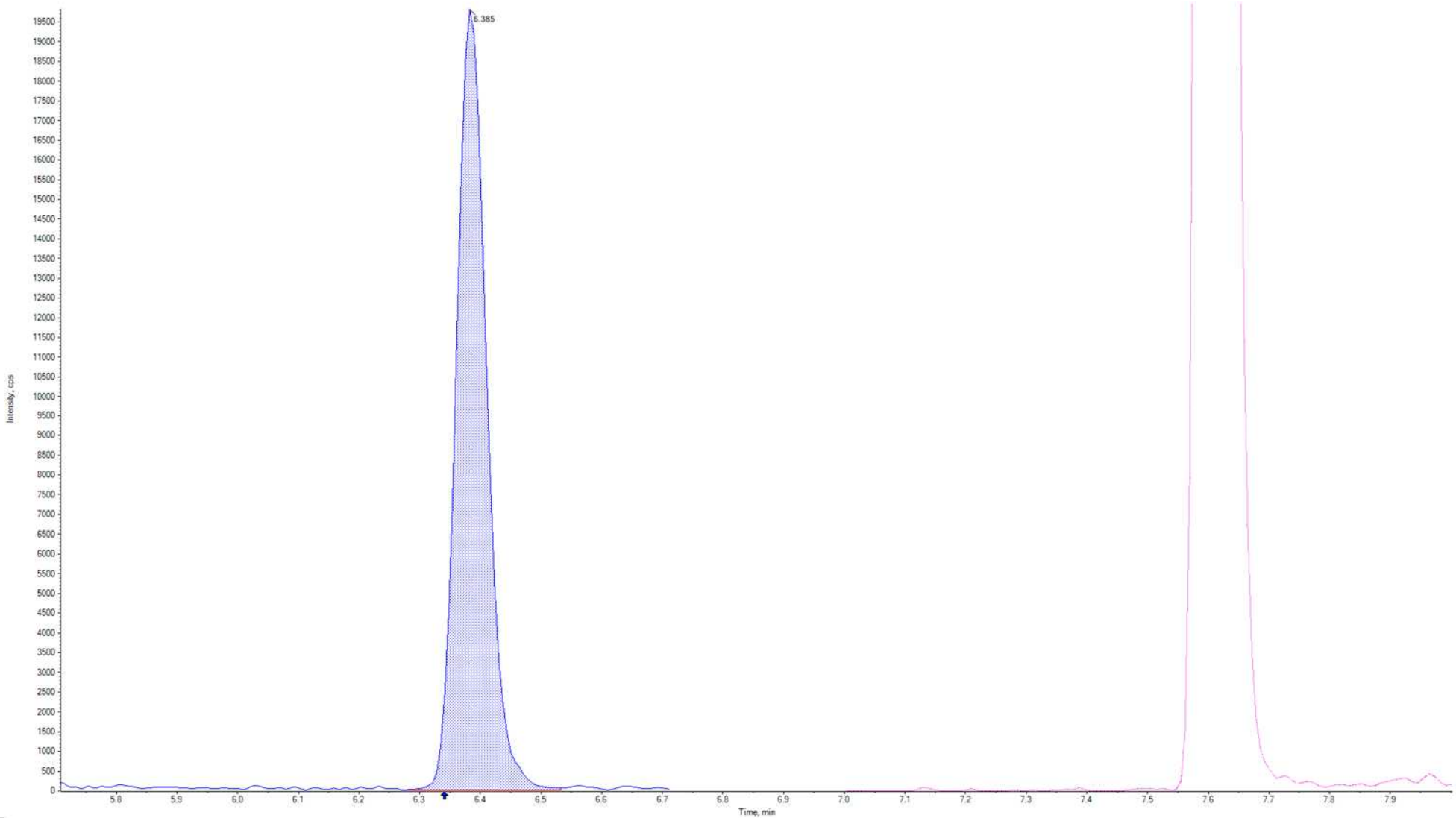
PFPeS
Sample: WG1972930-2,1633LOW S/N:1527.8 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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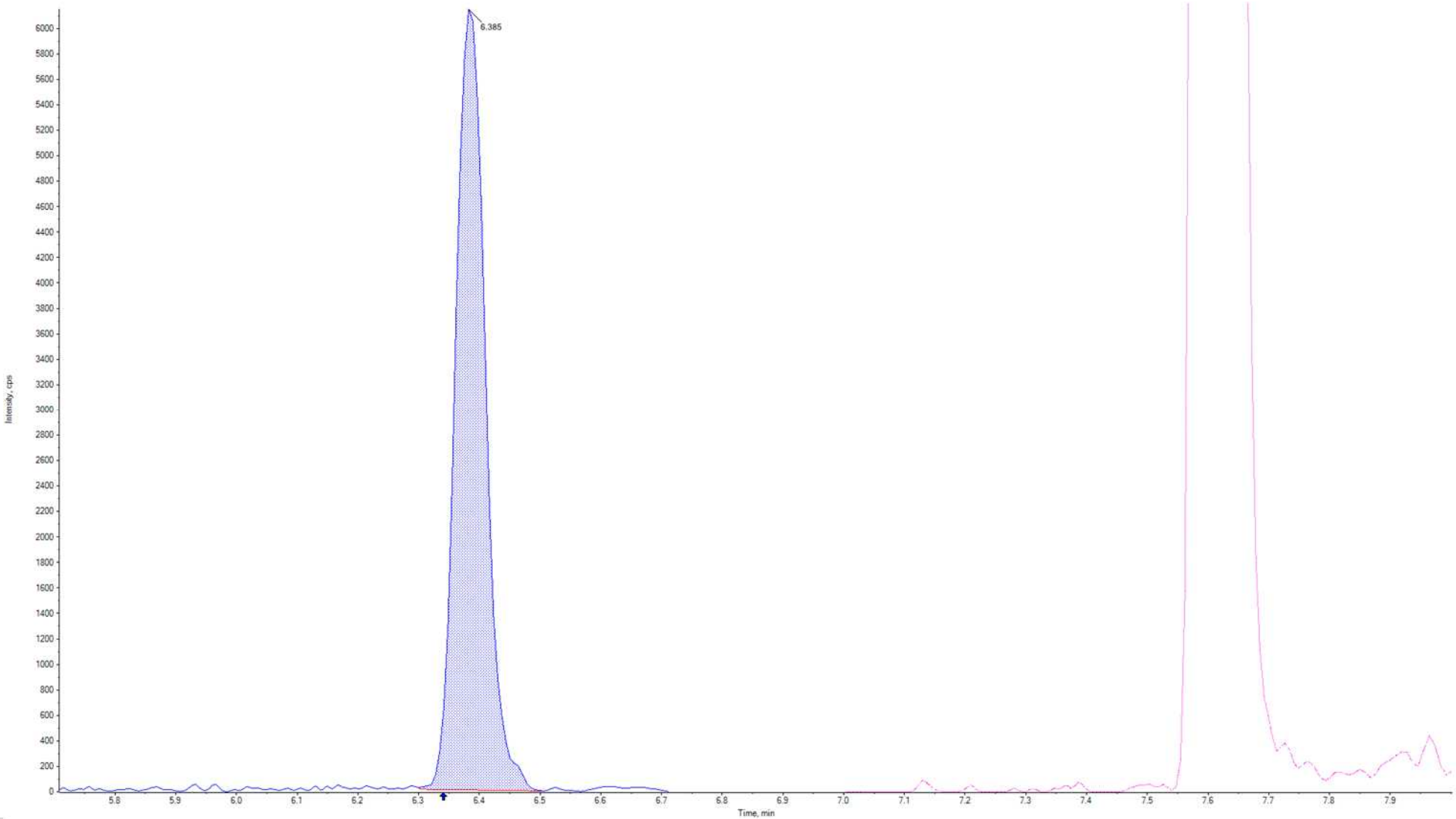
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: WG1972930-2,1633LOW S/N:1882.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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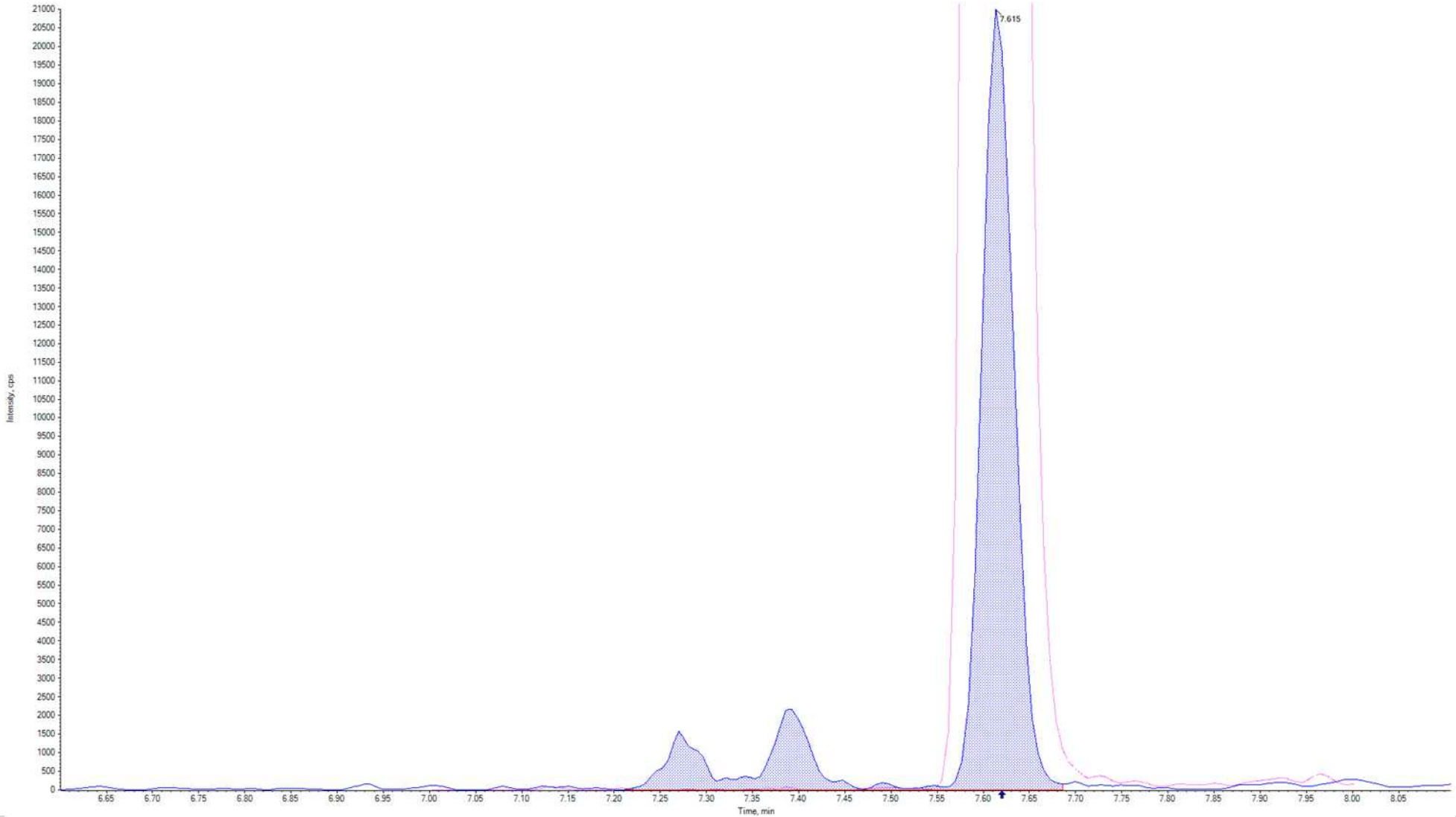
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: WG1972930-2,1633LOW S/N:9926.3 Points Across peak:80



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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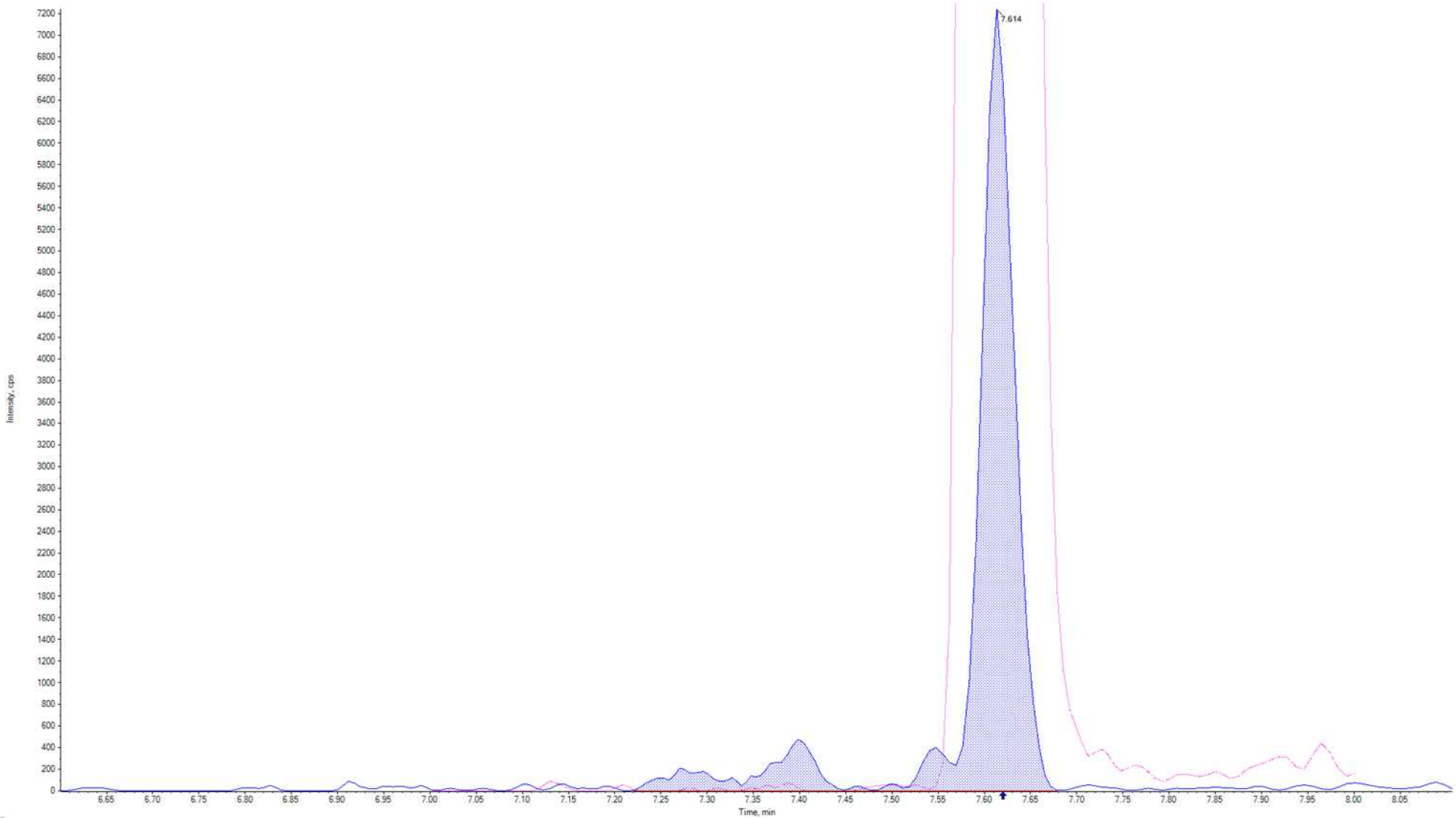
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: WG1972930-2,1633LOW S/N:476.9 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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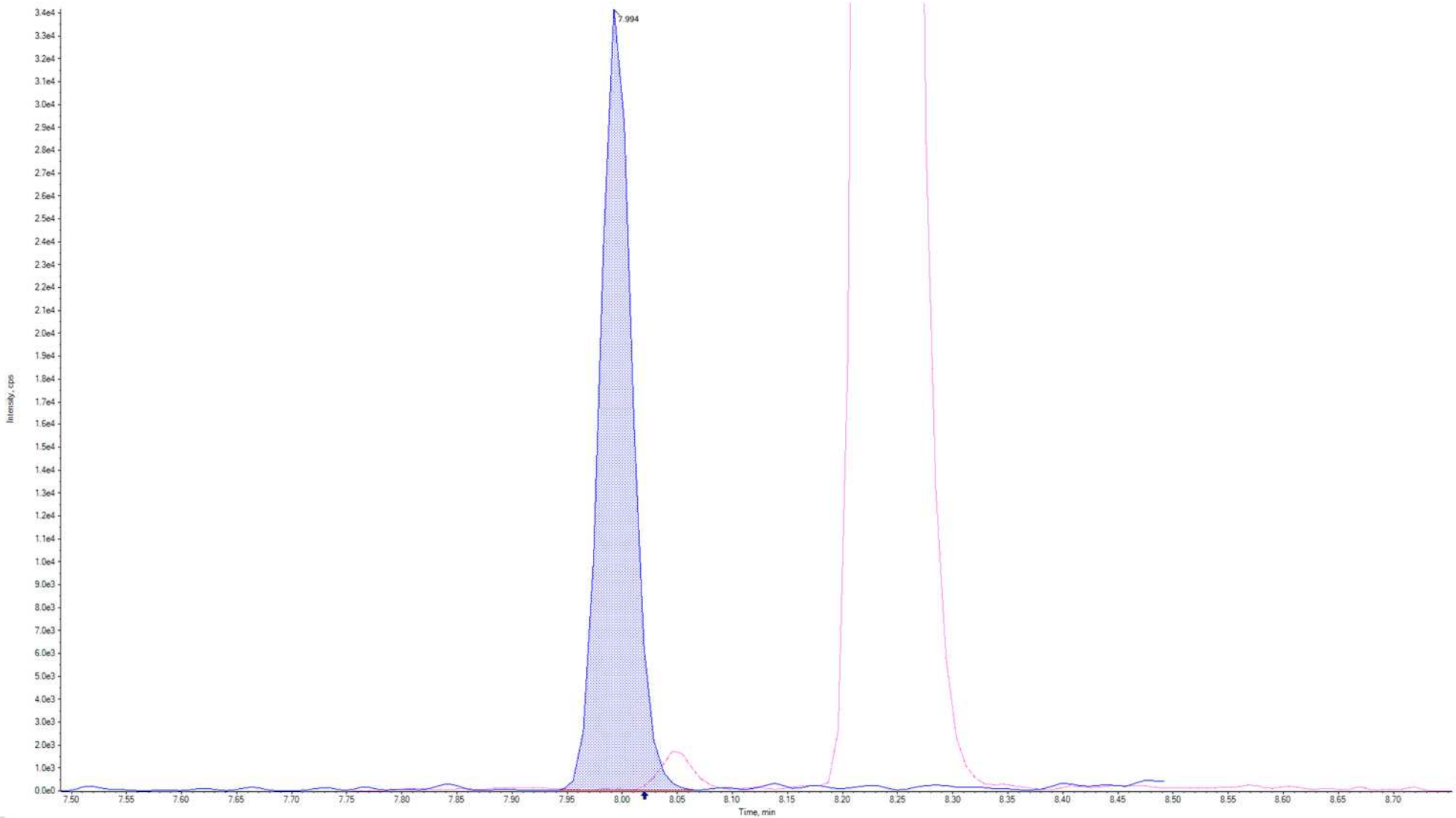
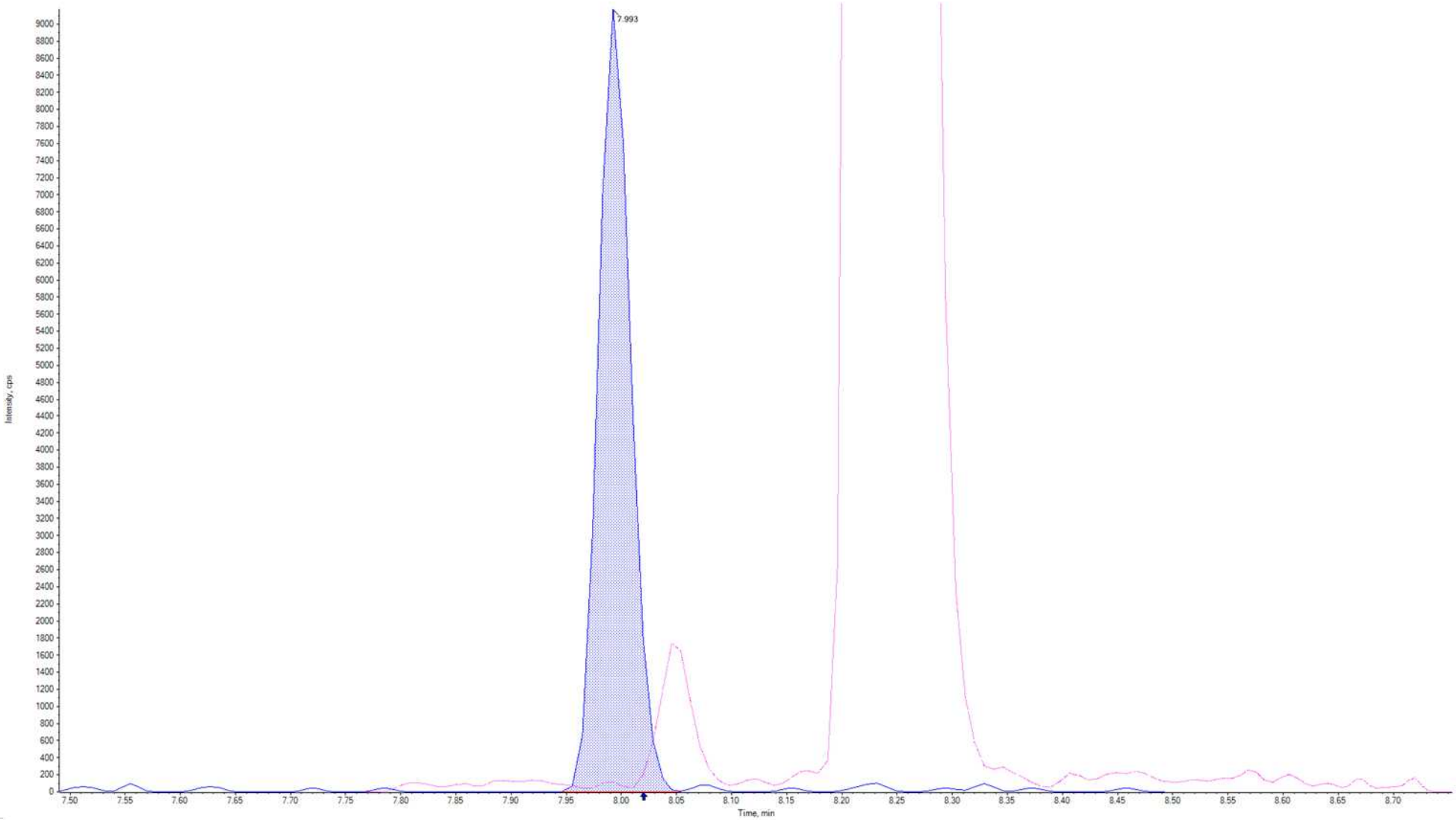
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: WG1972930-2,1633LOW S/N:6688.3 Points Across peak:16



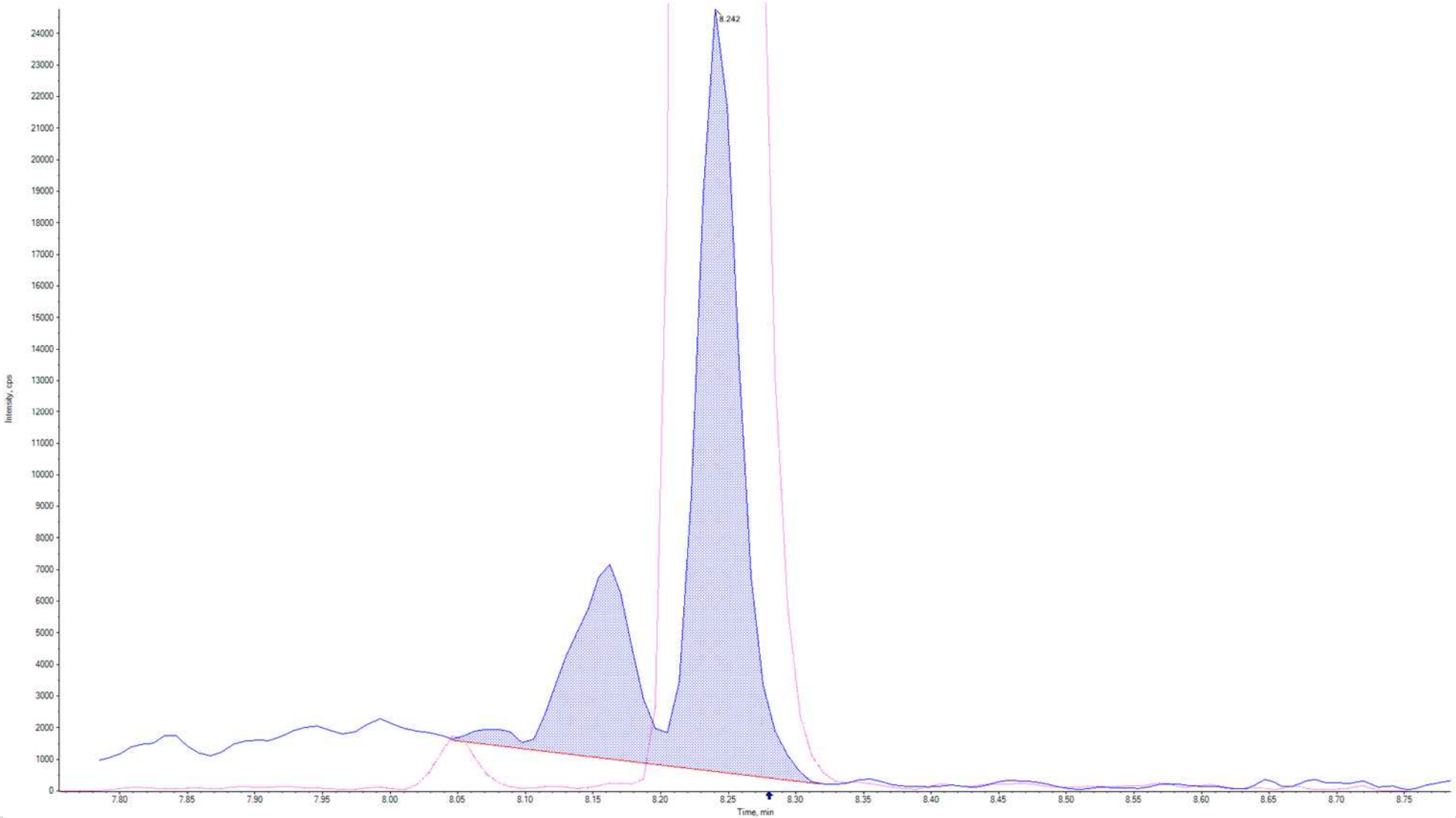
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: WG1972930-2,1633LOW S/N:832.0 Points Across peak:16



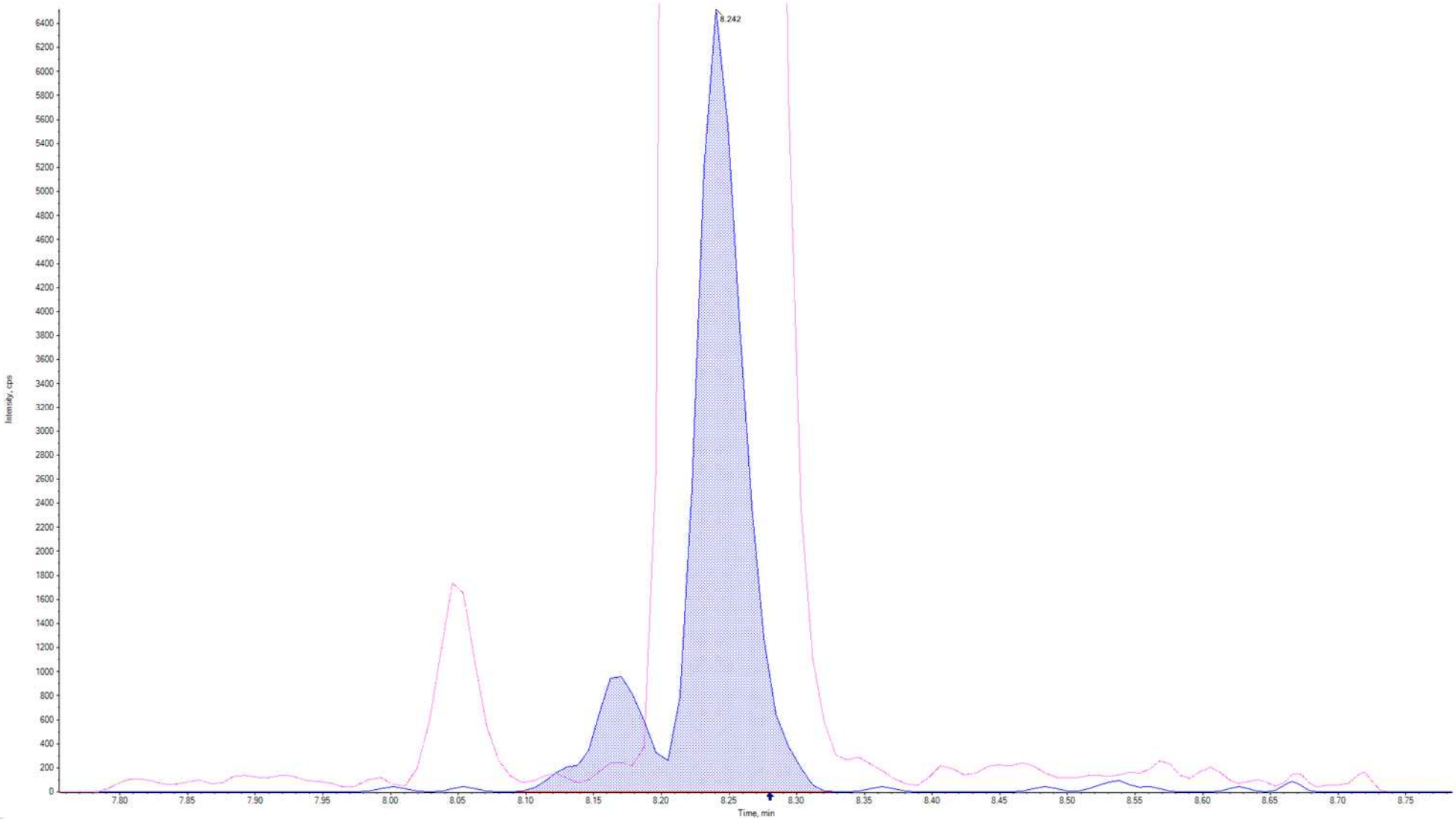
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: WG1972930-2,1633LOW S/N:558.1 Points Across peak:34



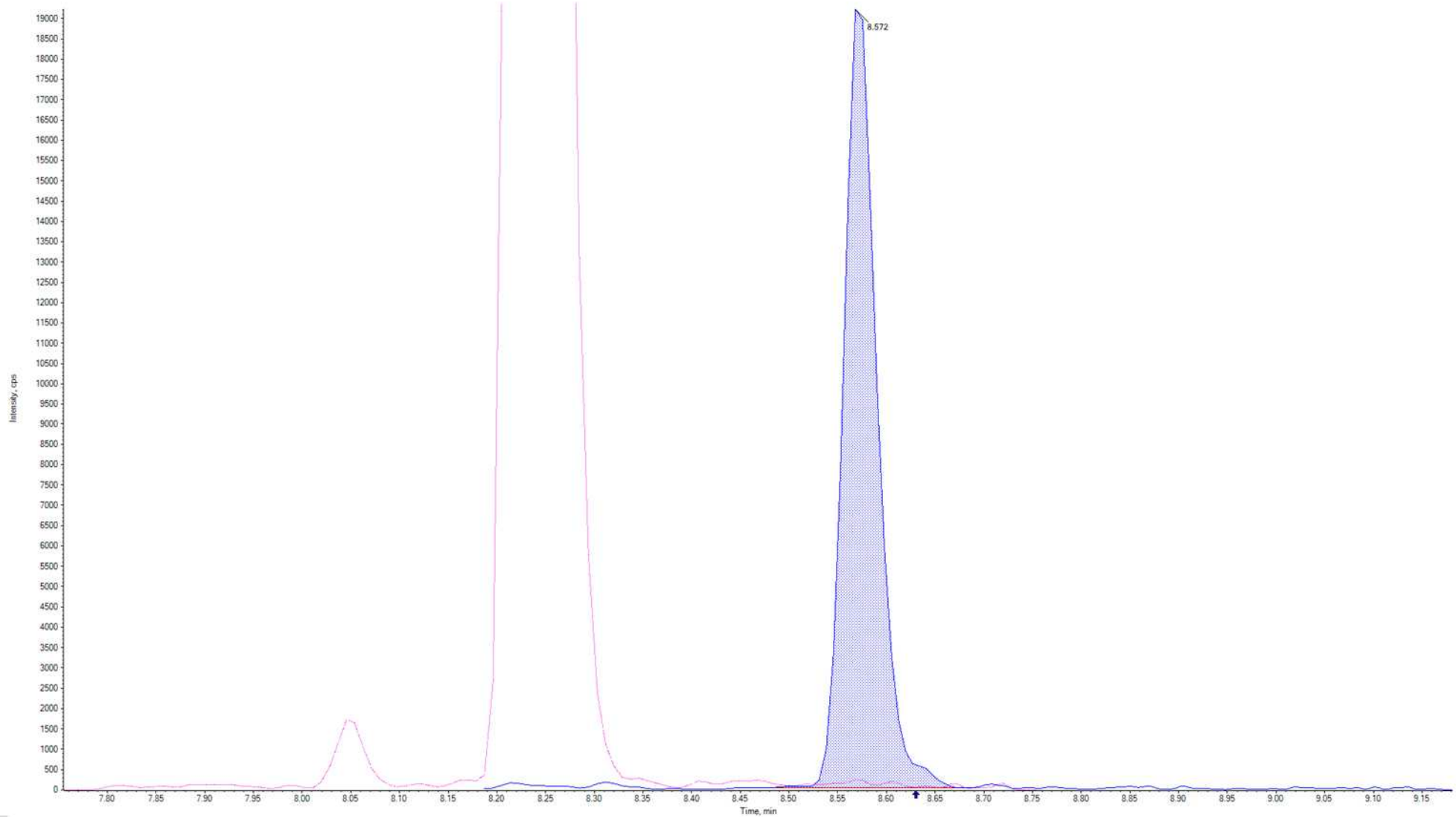
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: WG1972930-2,1633LOW S/N:711.6 Points Across peak:31



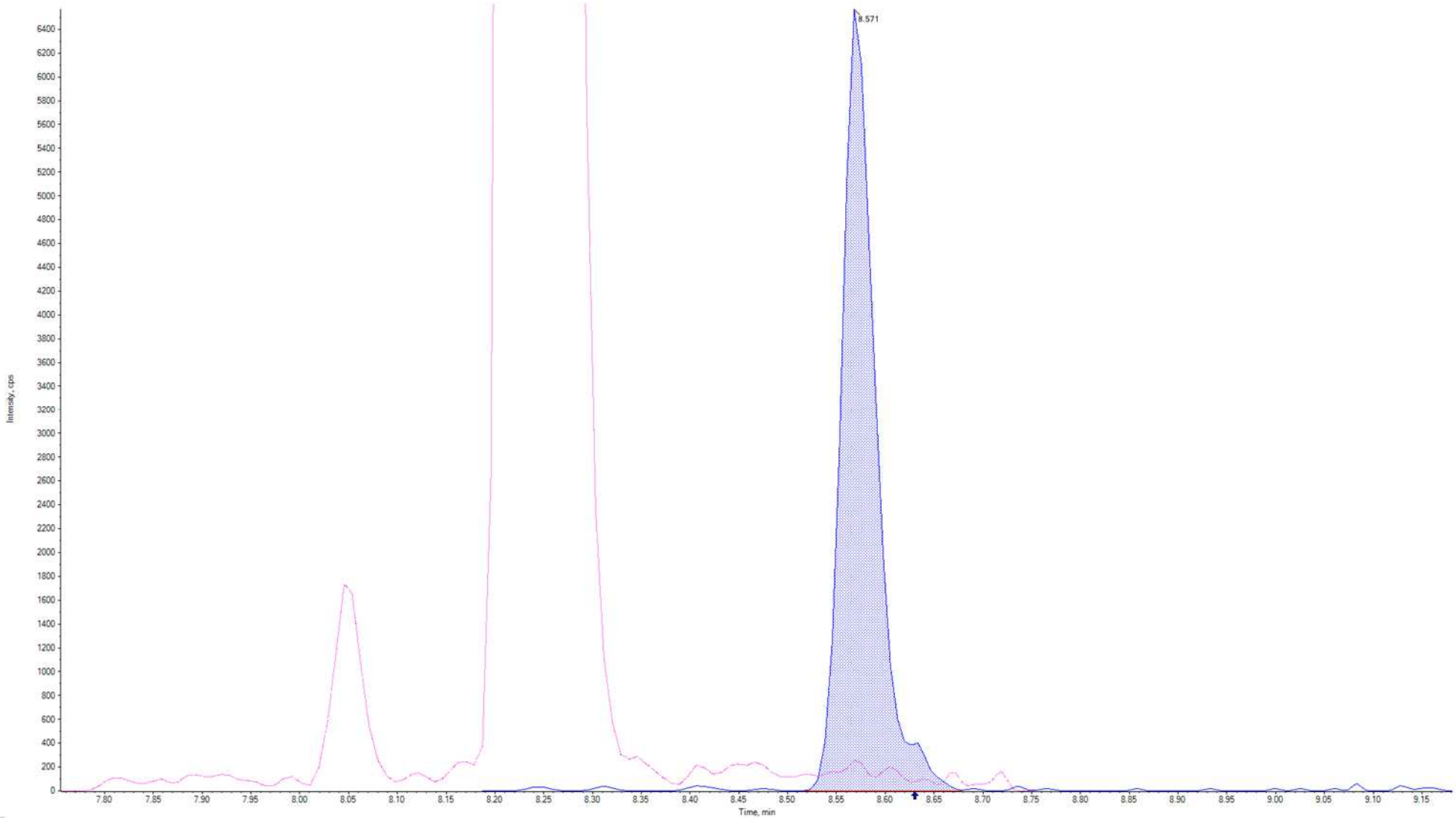
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: WG1972930-2,1633LOW S/N:3412.8 Points Across peak:27



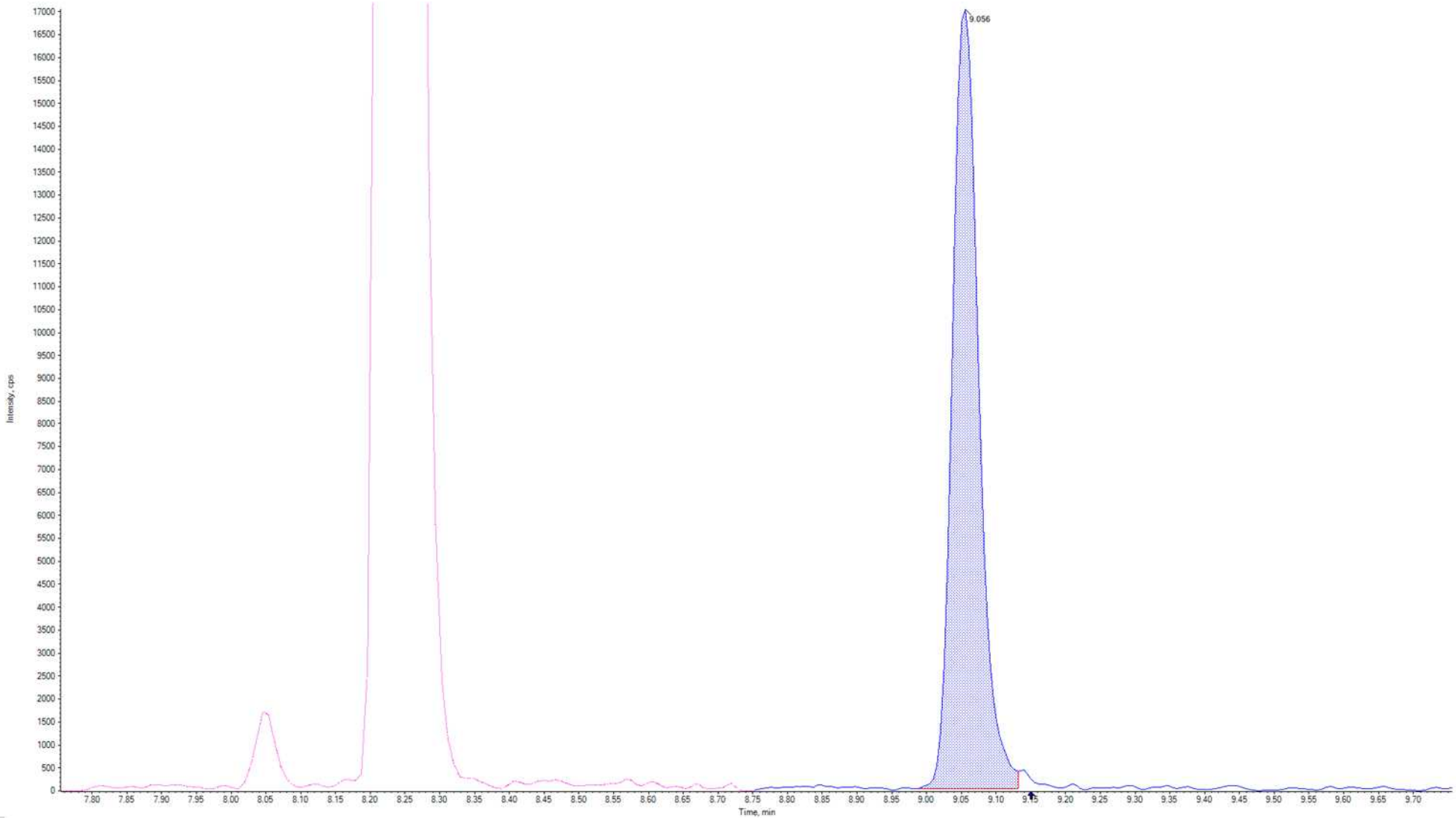
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: WG1972930-2,1633LOW S/N:1040.2 Points Across peak:25



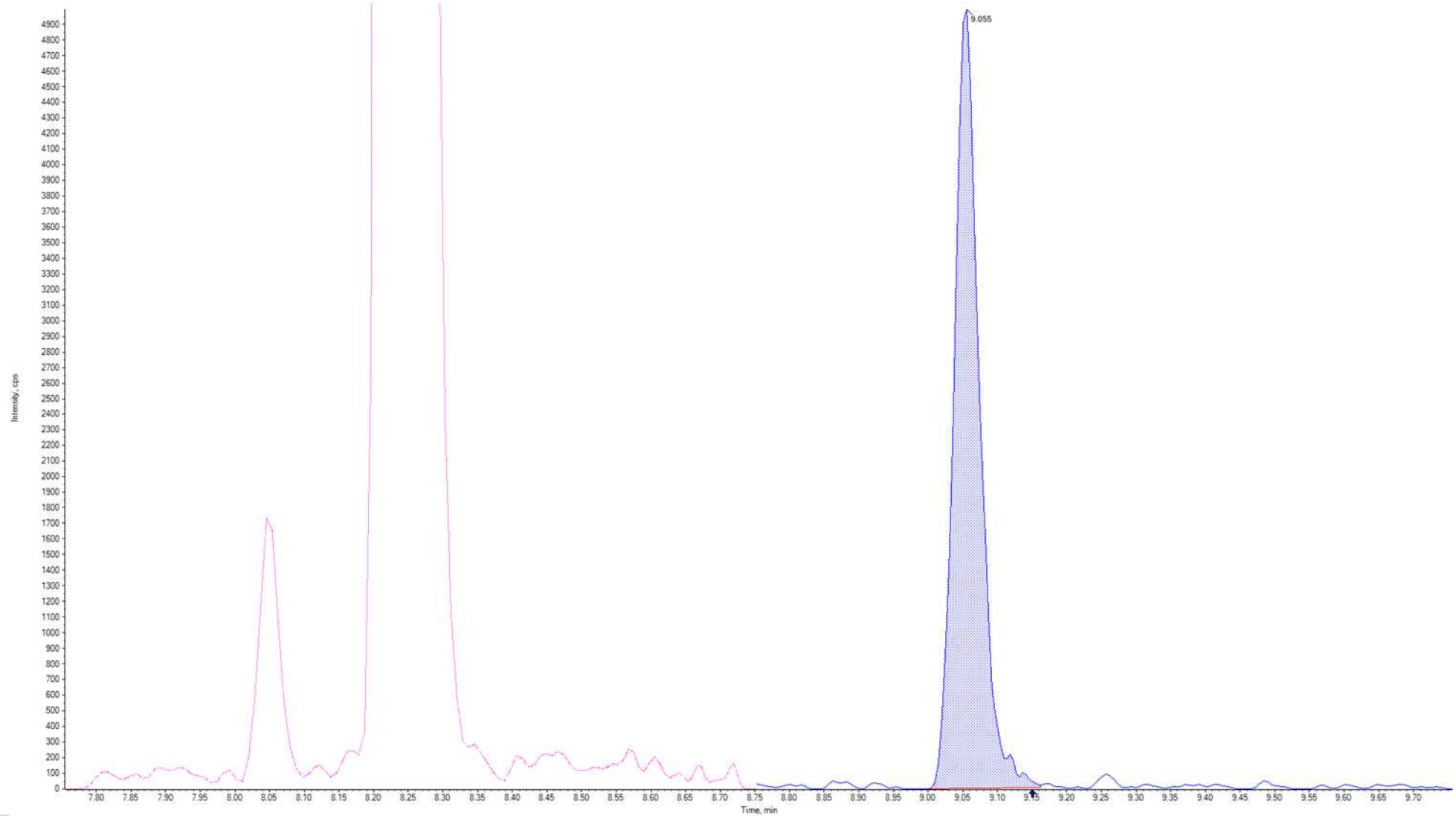
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
Sample: WG1972930-2,1633LOW S/N:2534.3 Points Across peak:32



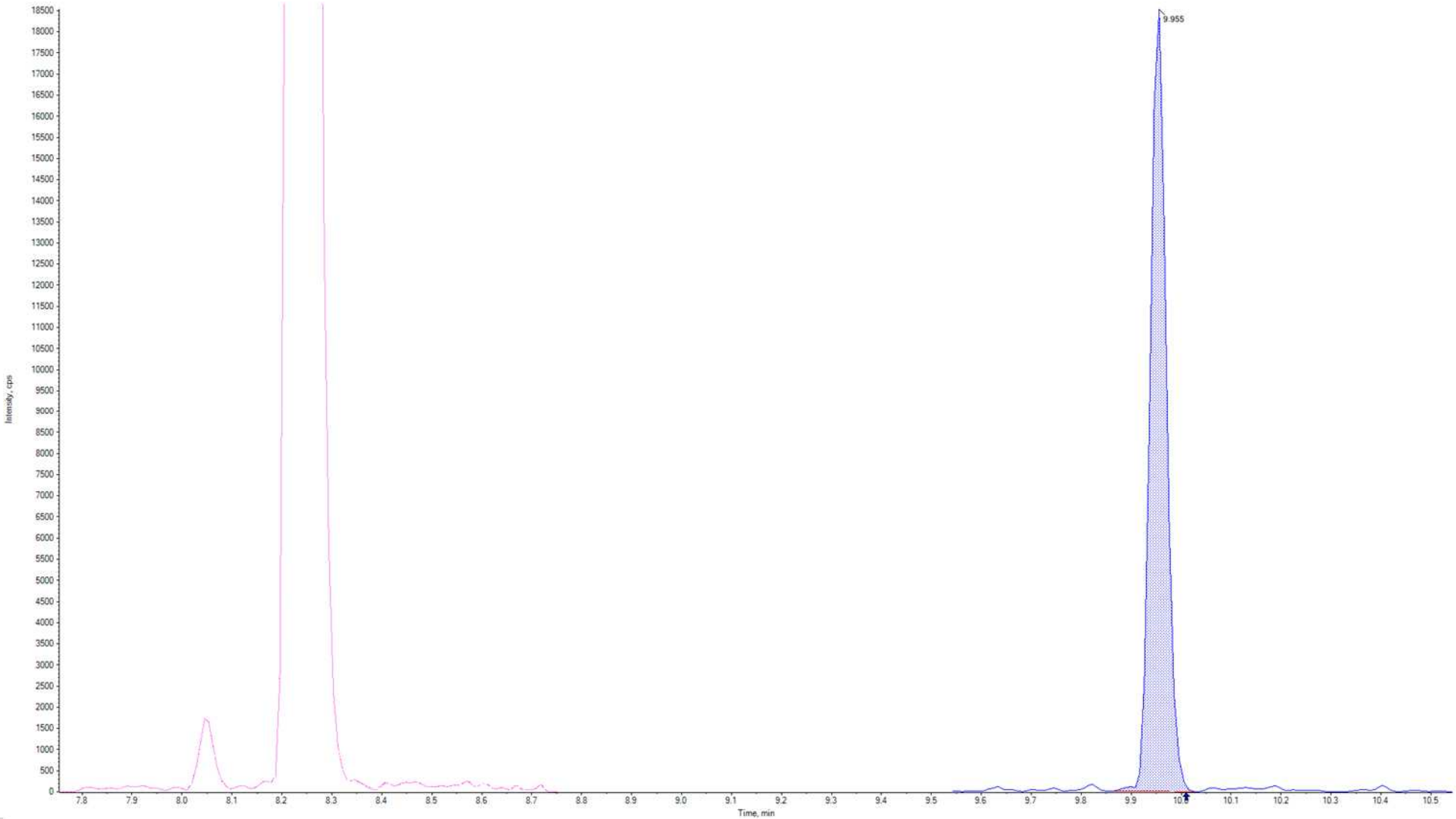
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: WG1972930-2,1633LOW S/N:365401.4 Points Across peak:36



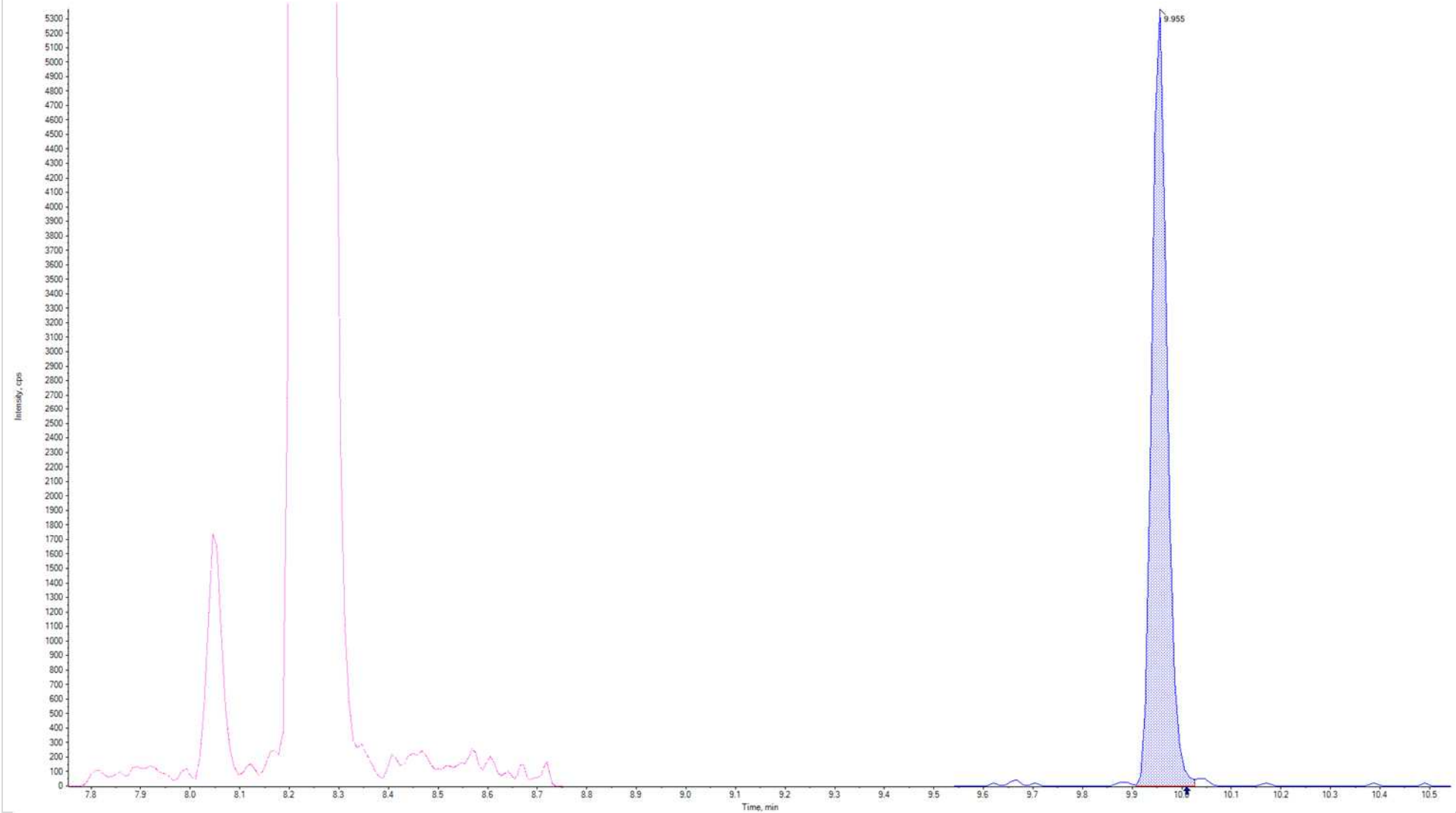
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: WG1972930-2,1633LOW S/N:8662.2 Points Across peak:19



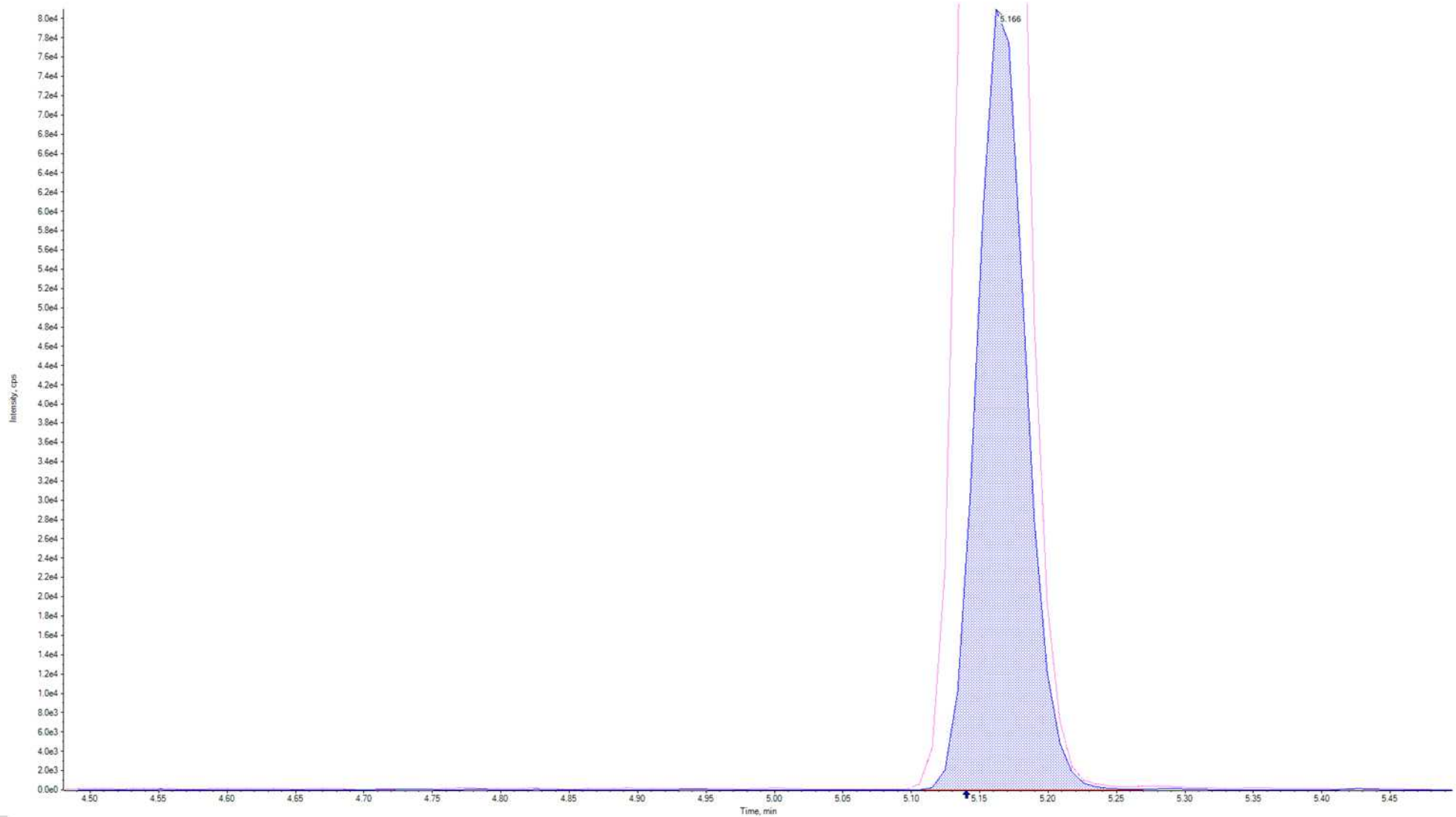
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: WG1972930-2,1633LOW S/N:4912.1 Points Across peak:13



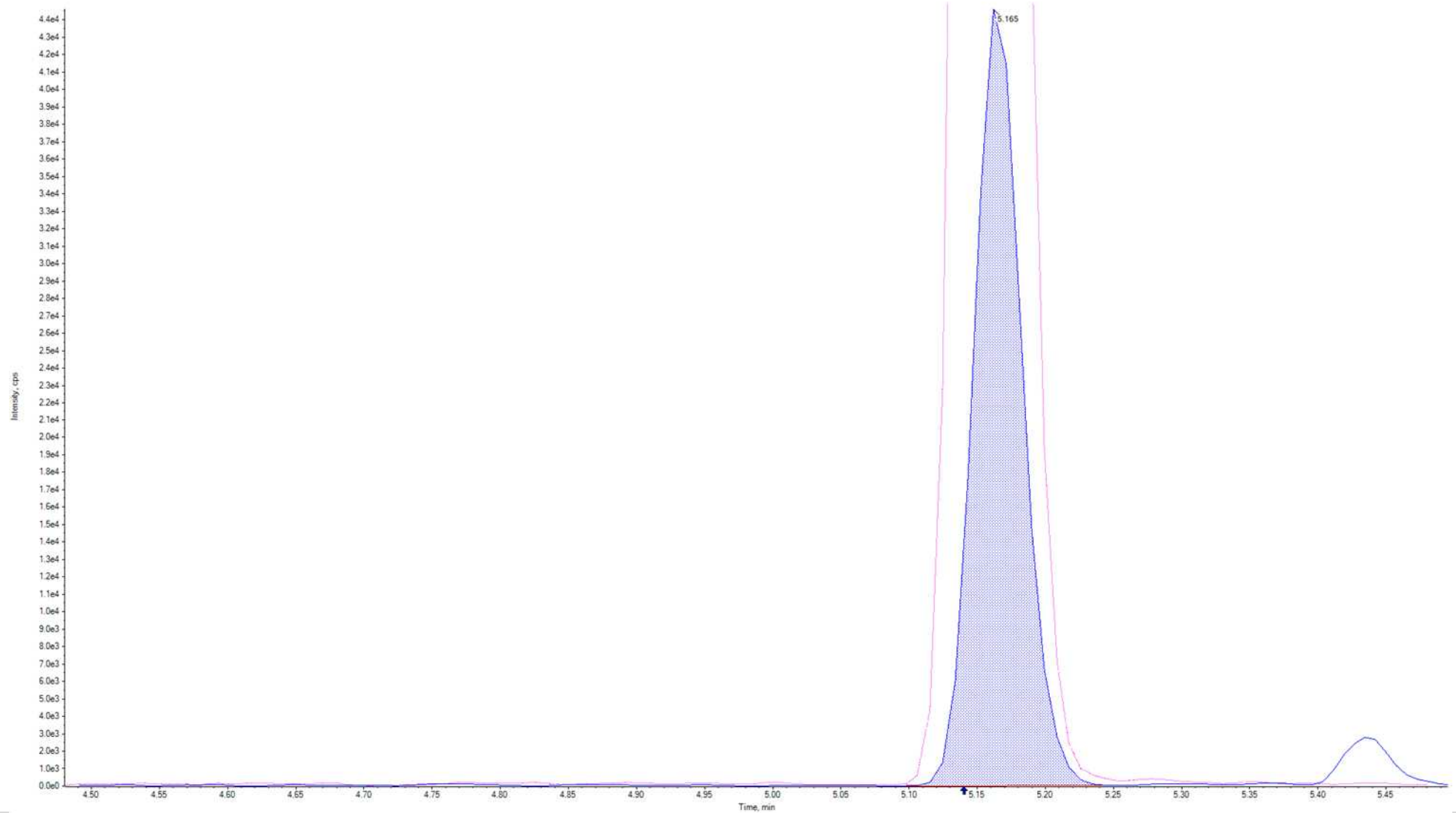
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: WG1972930-2,1633LOW S/N:2168.5 Points Across peak:21



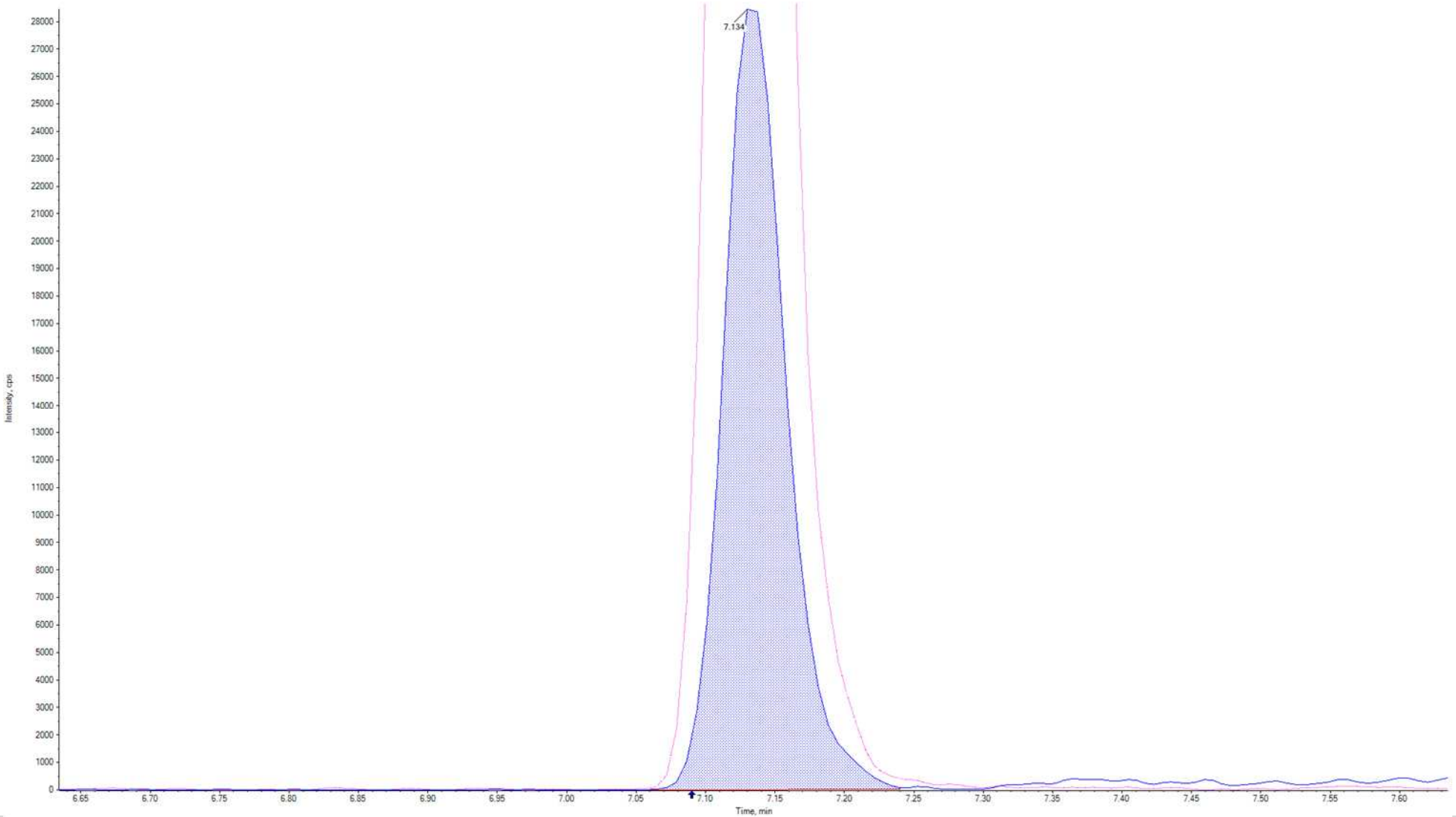
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS_2
Sample: WG1972930-2,1633LOW S/N:2052.4 Points Across peak:19



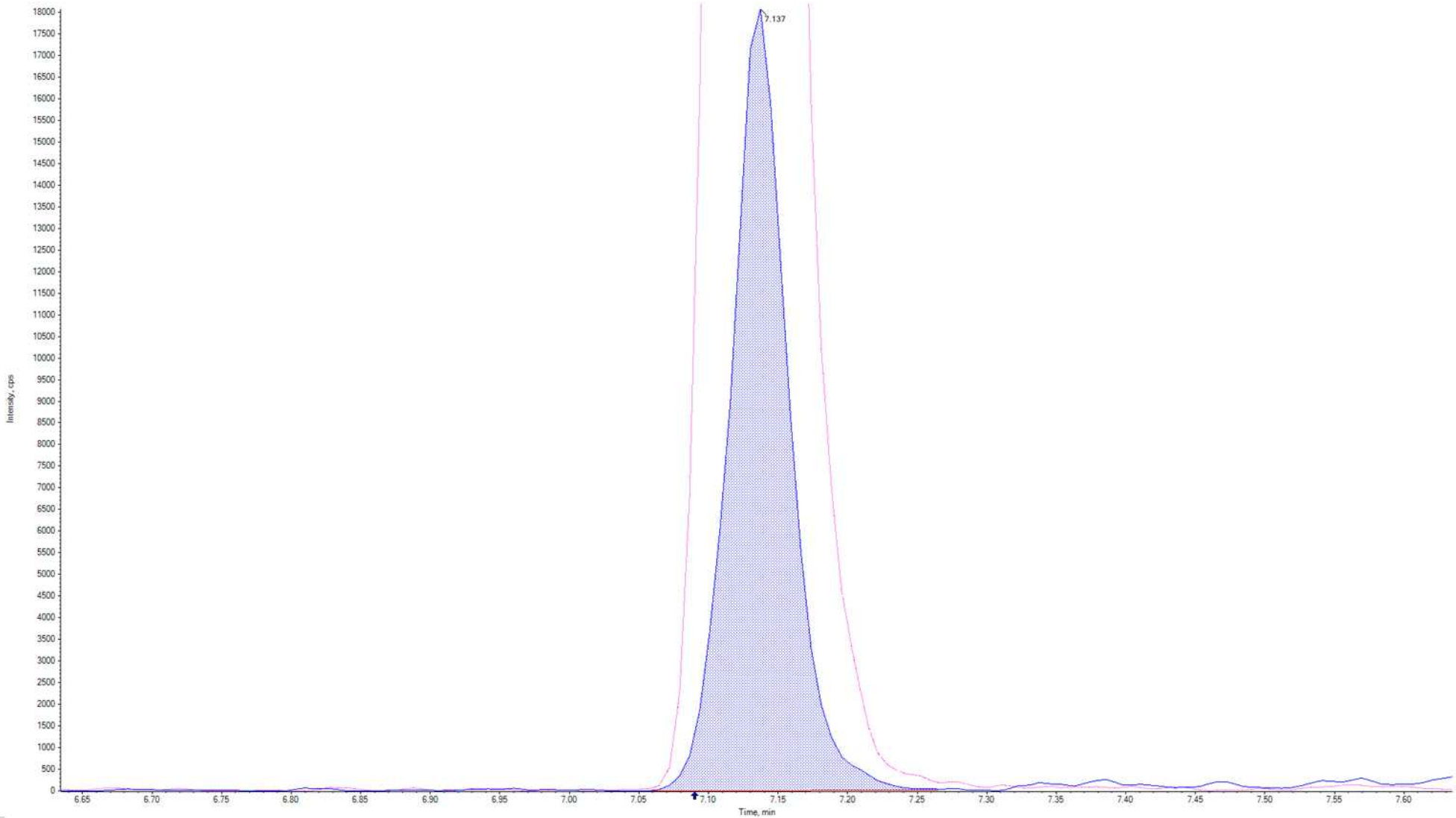
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS
Sample: WG1972930-2,1633LOW S/N:661.1 Points Across peak:28



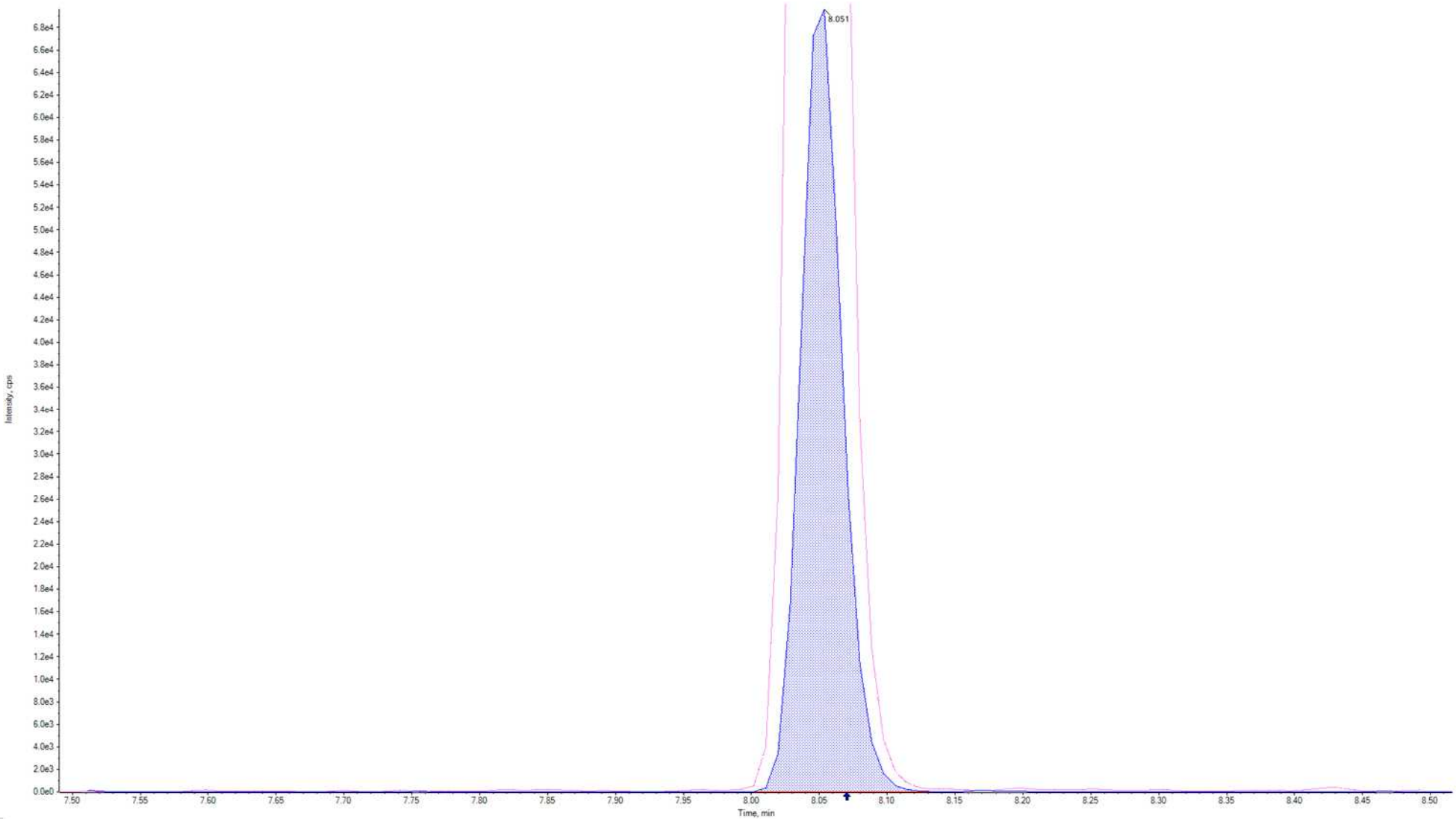
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS_2
Sample: WG1972930-2,1633LOW S/N:44346.0 Points Across peak:32



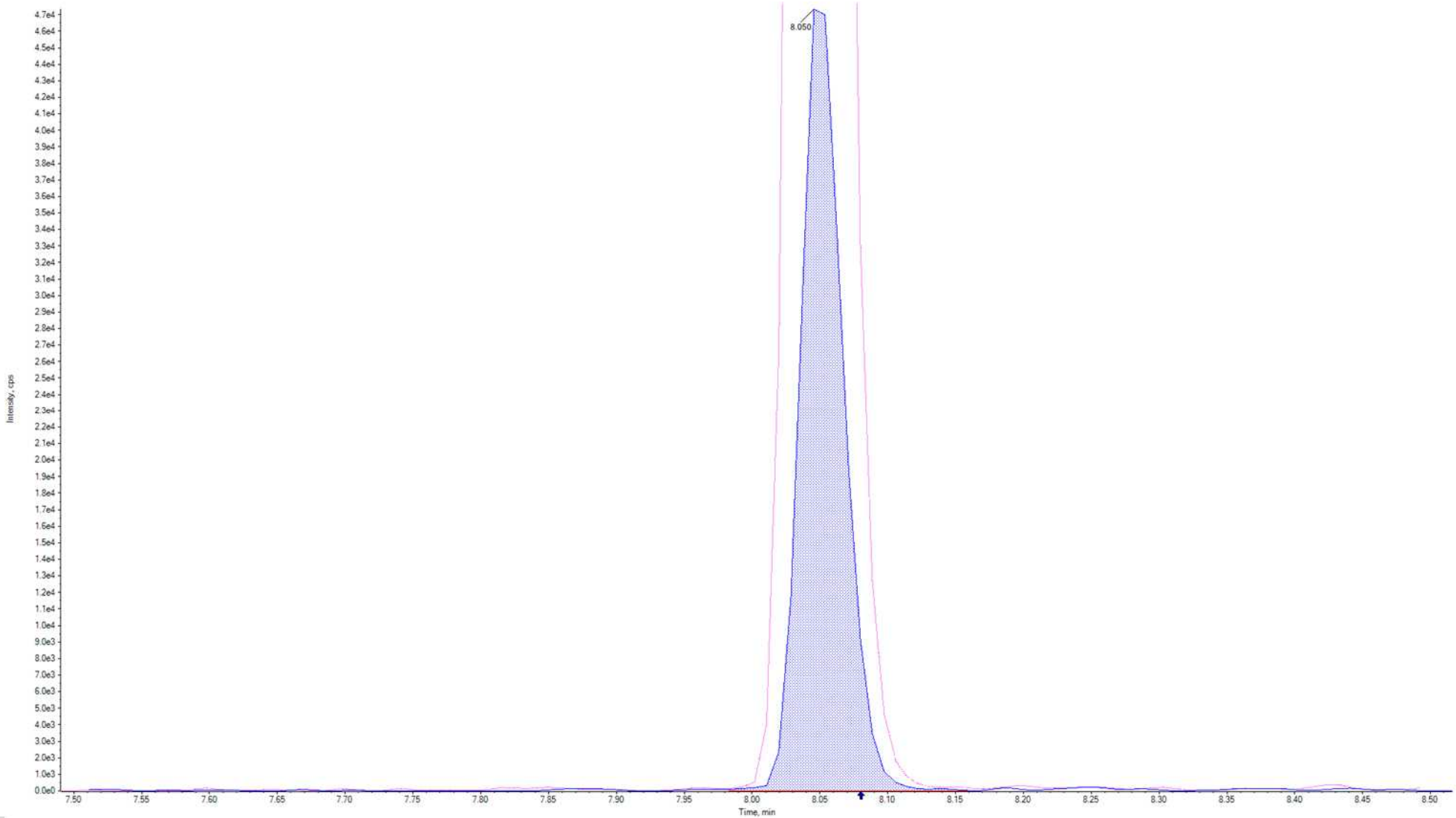
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS
Sample: WG1972930-2,1633LOW S/N:10121126.0 Points Across peak:20



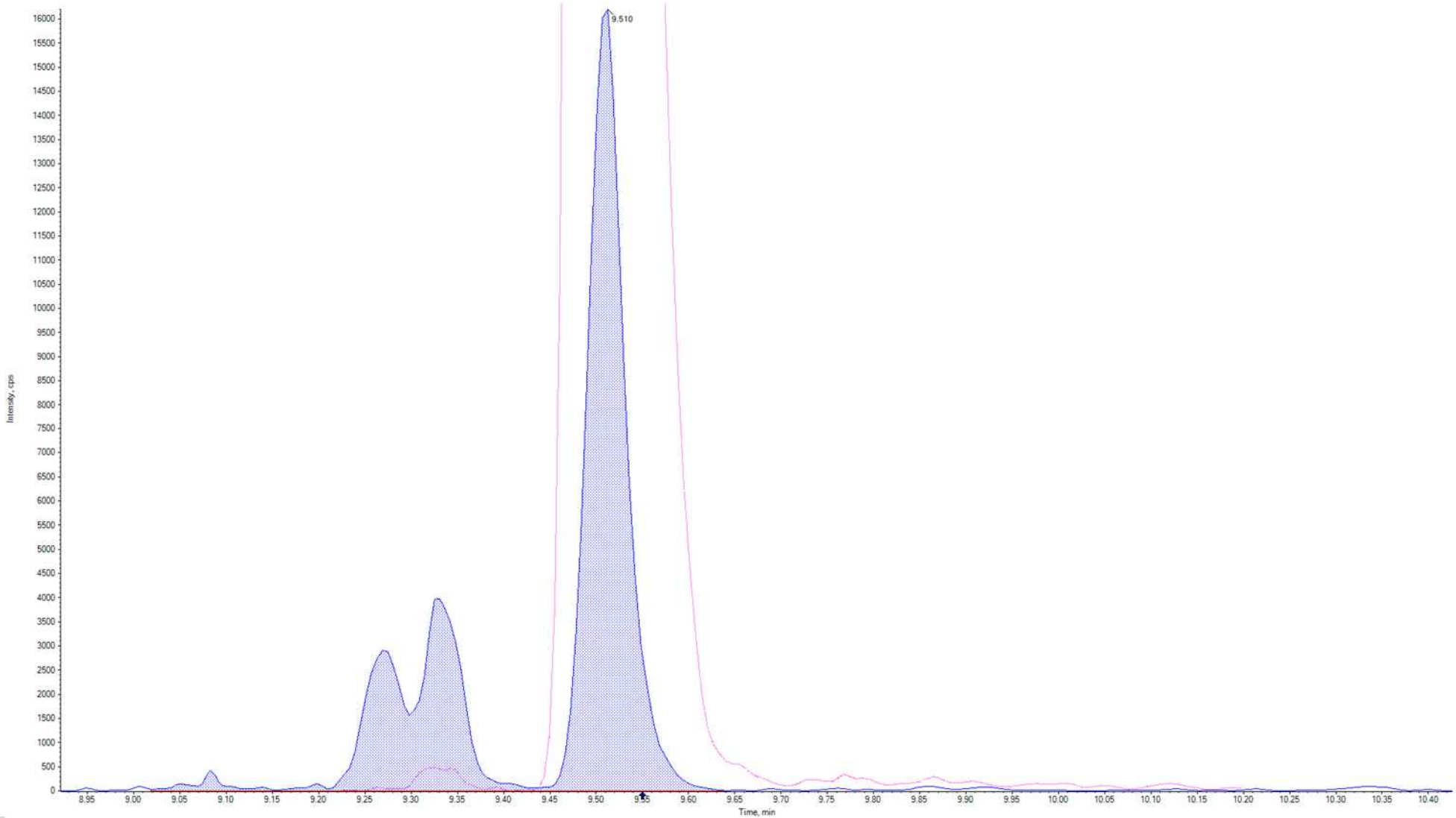
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS_2
Sample: WG1972930-2,1633LOW S/N:778.0 Points Across peak:22



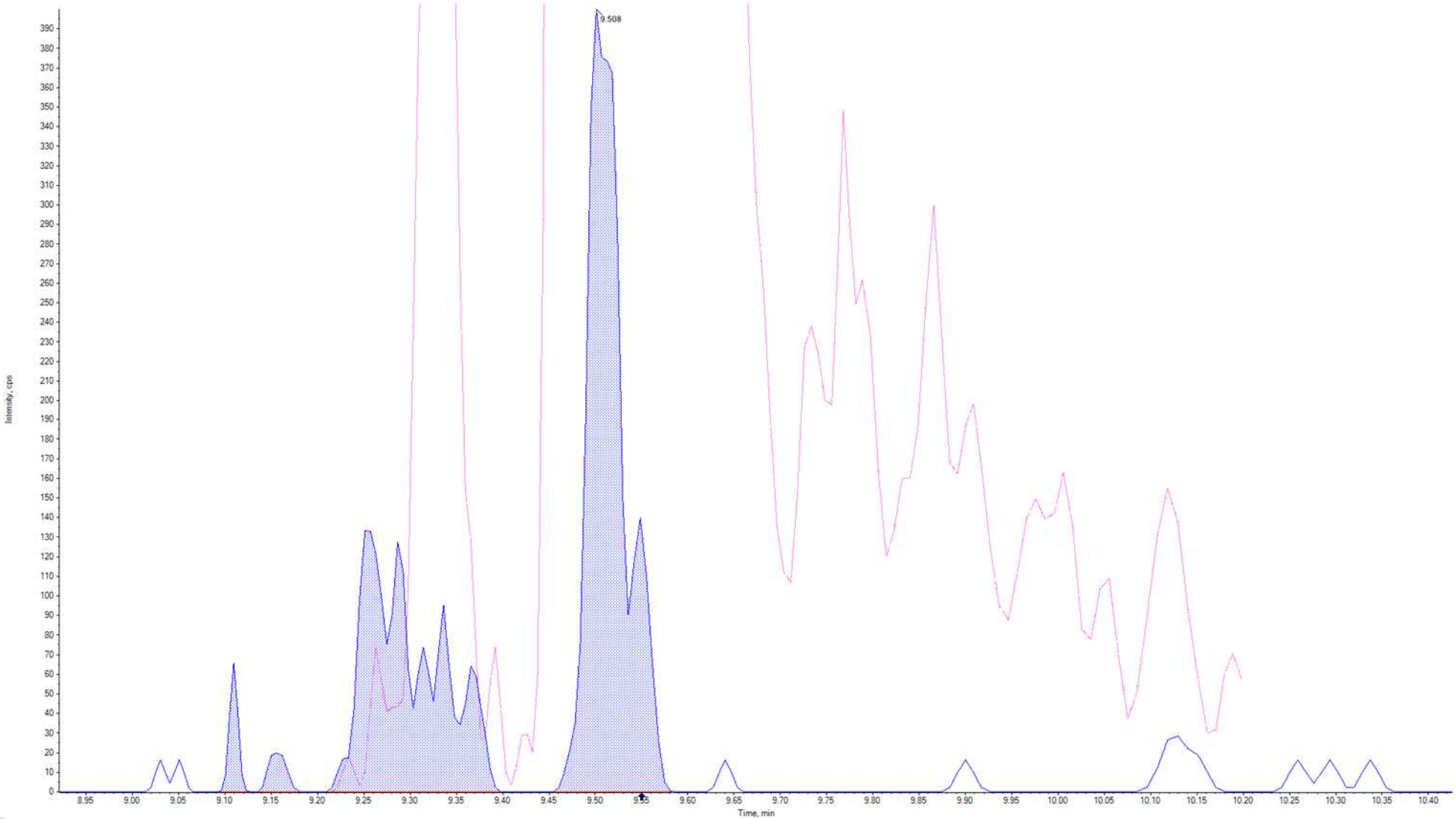
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA
Sample: WG1972930-2,1633LOW S/N:10057.0 Points Across peak:113



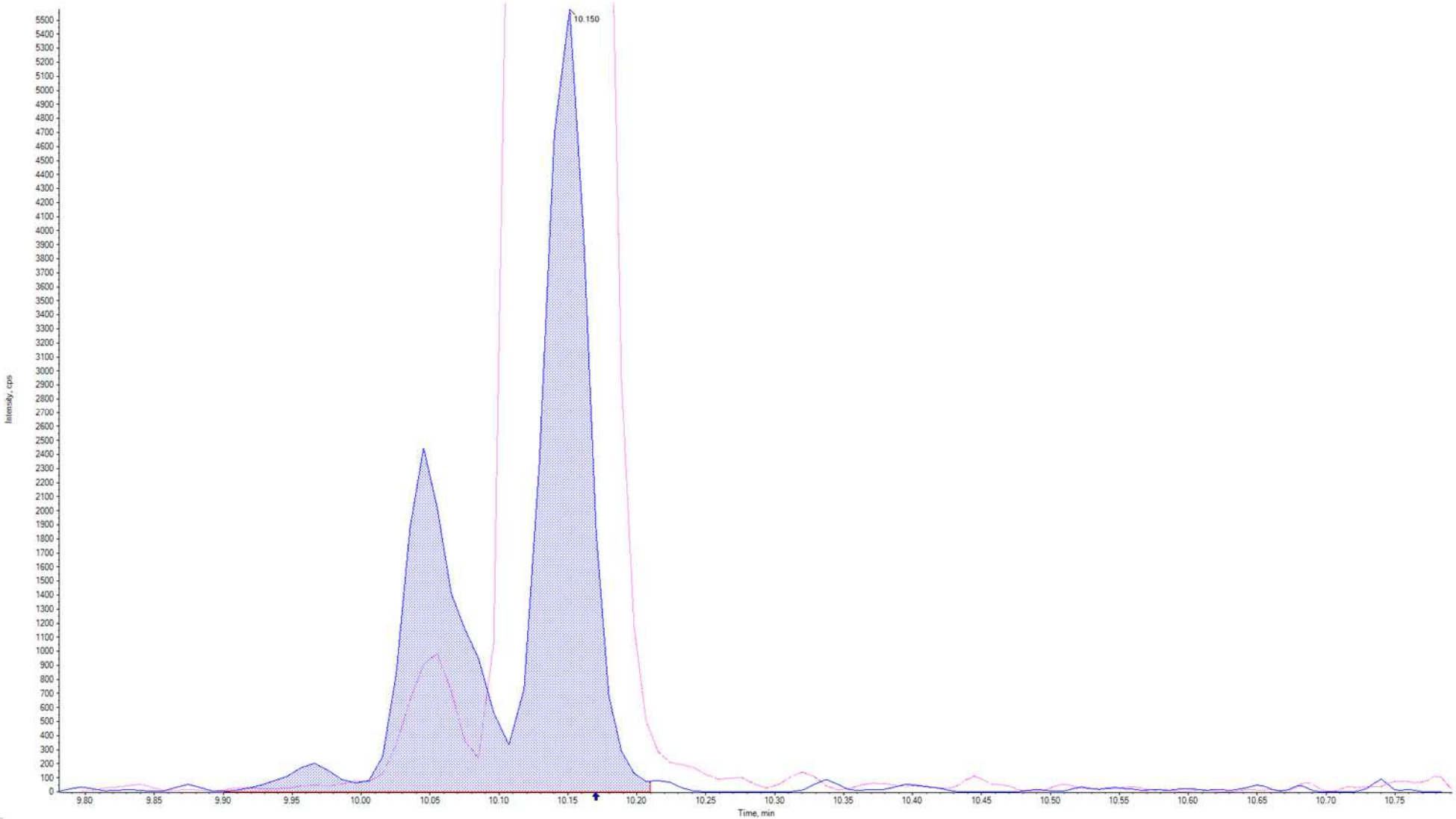
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA_2
Sample: WG1972930-2,1633LOW S/N:658.1 Points Across peak:89



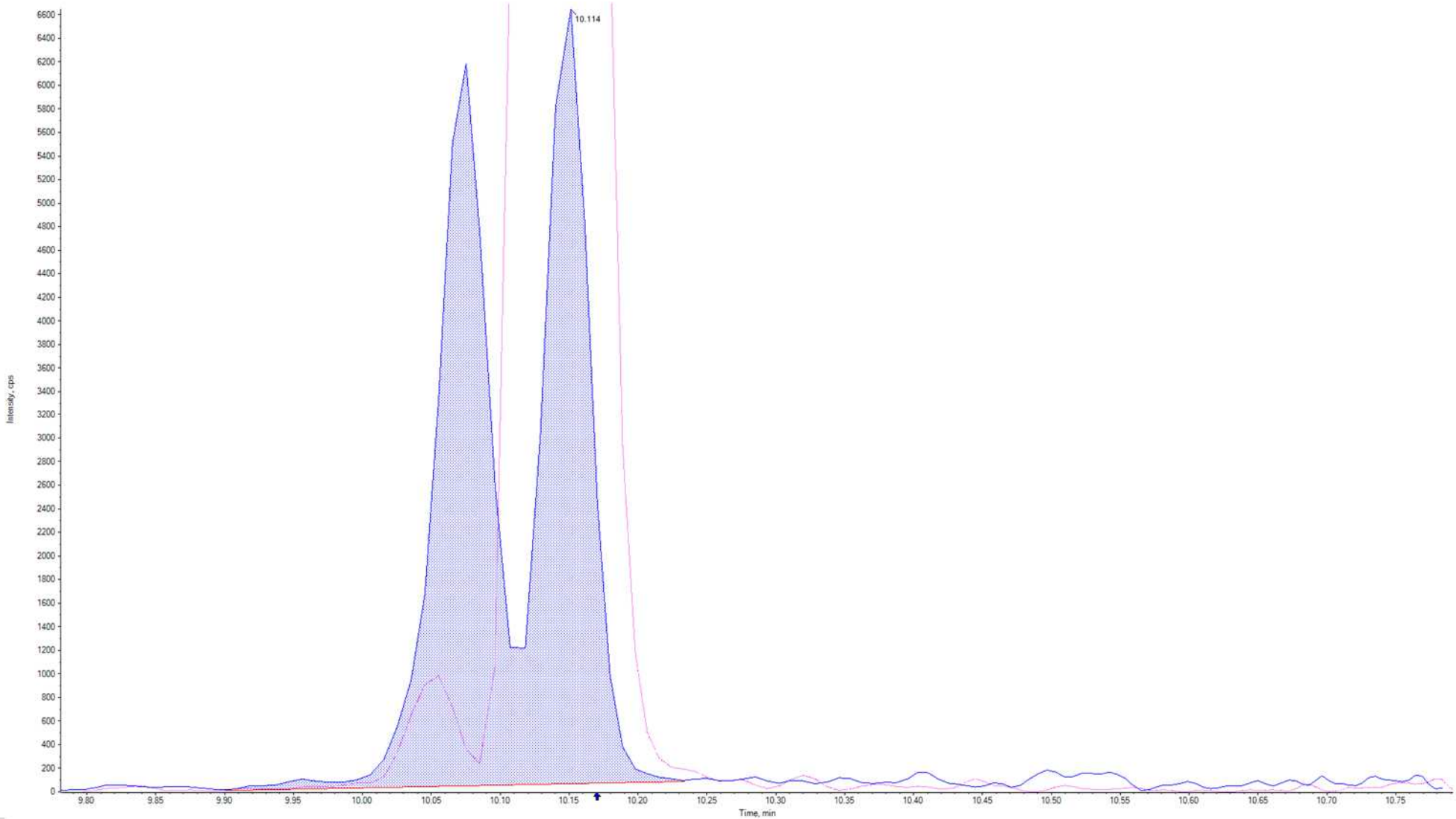
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA
Sample: WG1972930-2,1633LOW S/N:1276415.7 Points Across peak:33



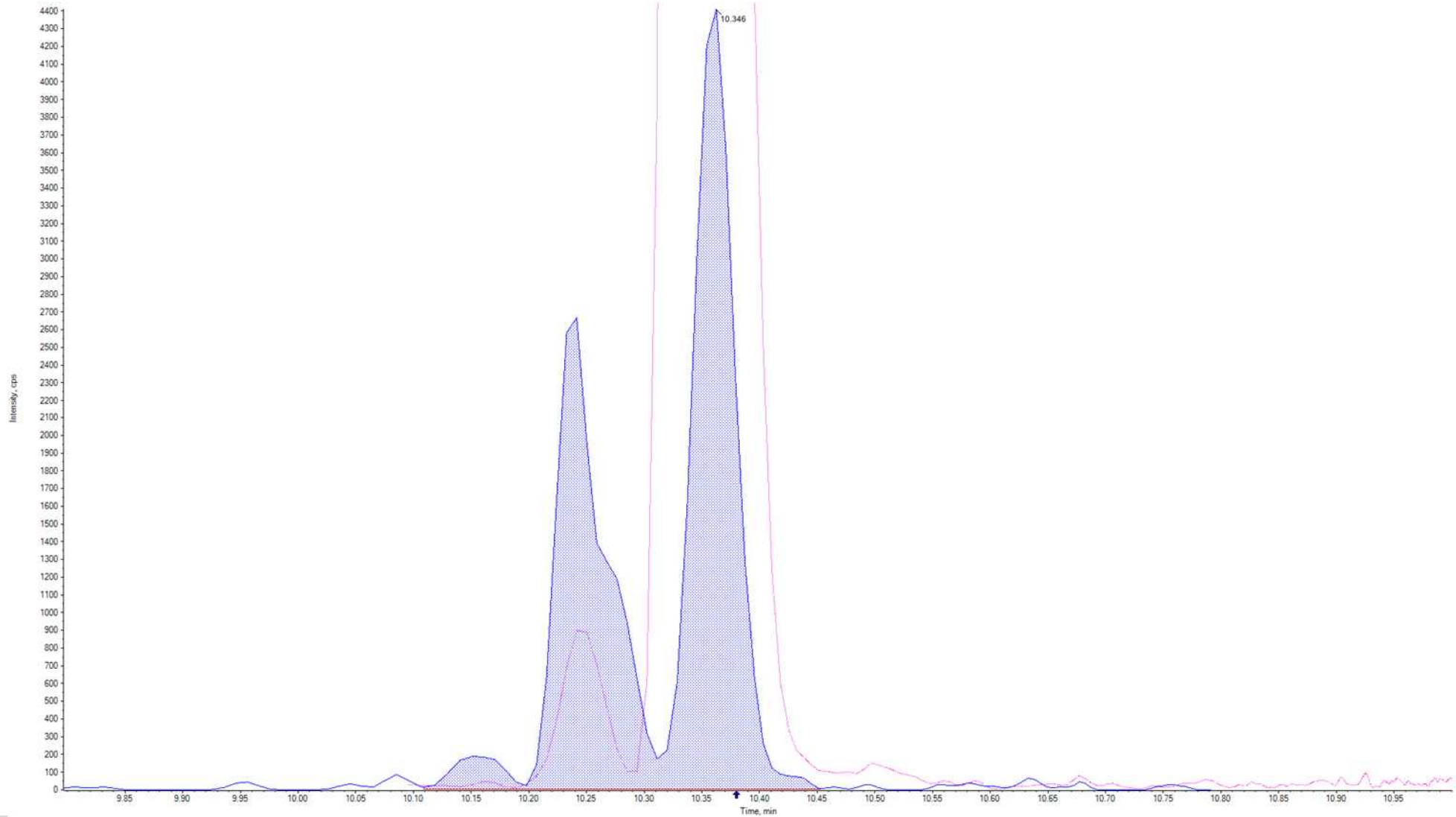
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA_2
Sample: WG1972930-2,1633LOW S/N:399.0 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSA
Sample: WG1972930-2,1633LOW S/N:2591812.7 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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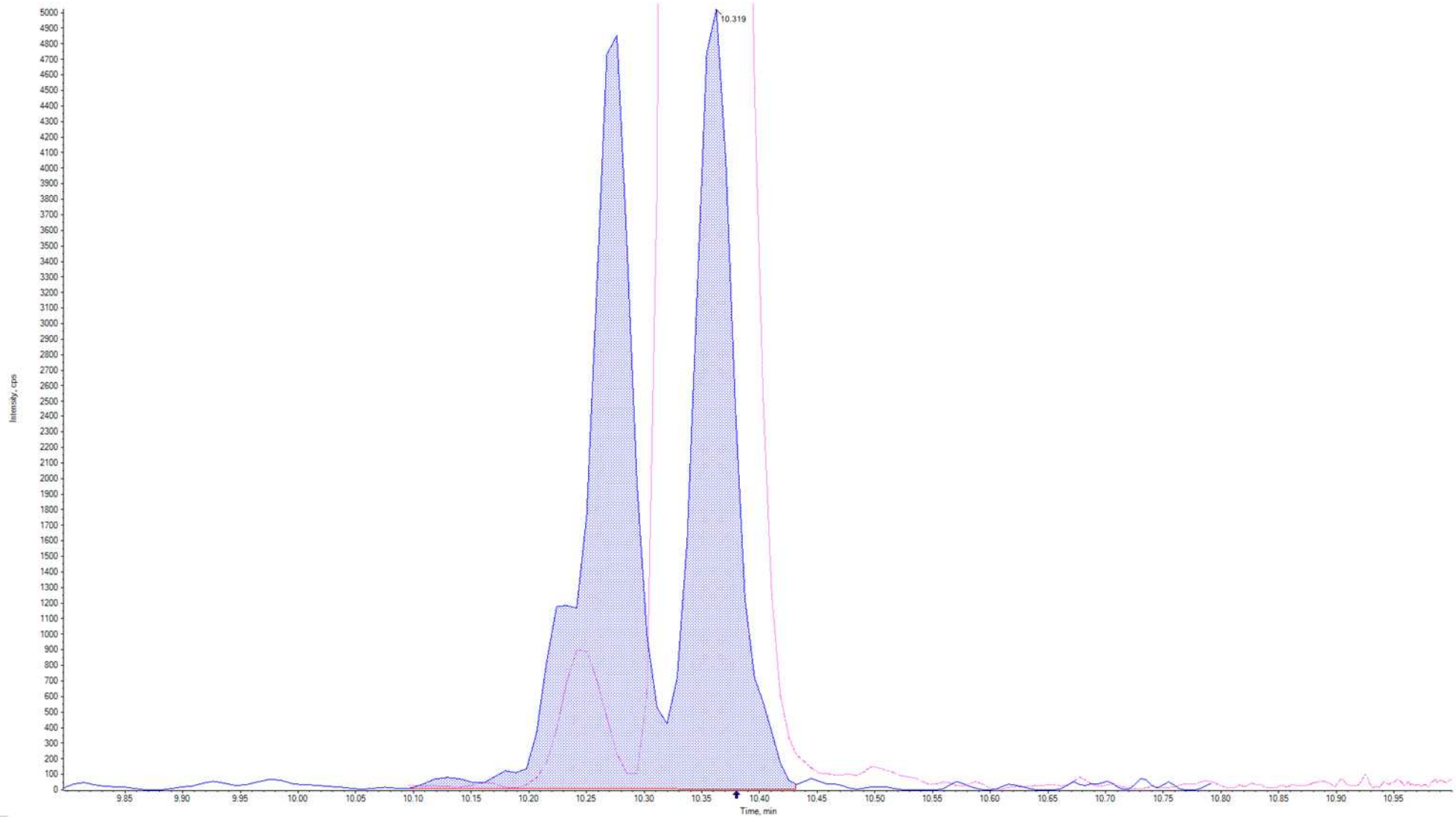
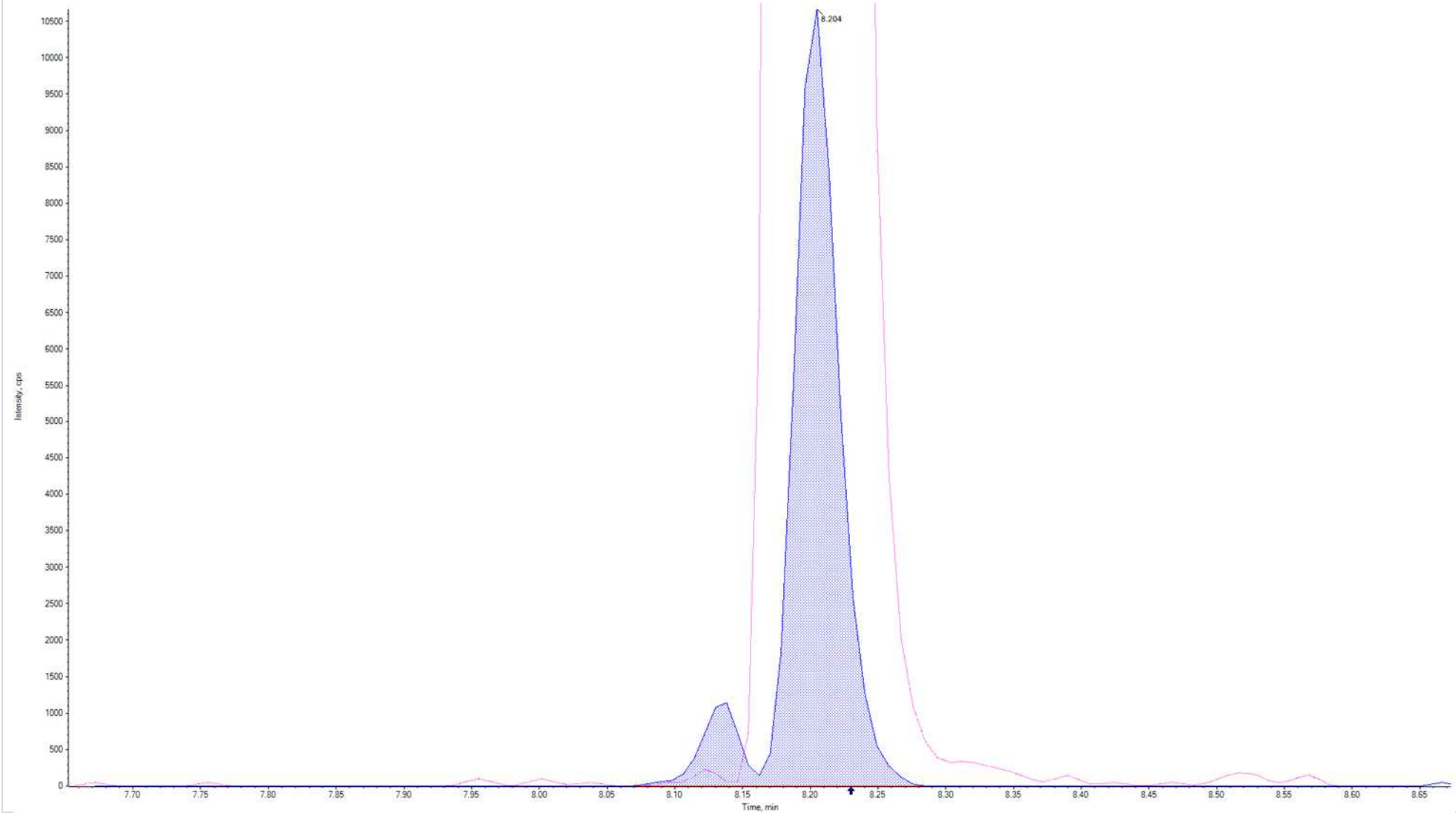
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSA_2
Sample: WG1972930-2,1633LOW S/N:16767.6 Points Across peak:39



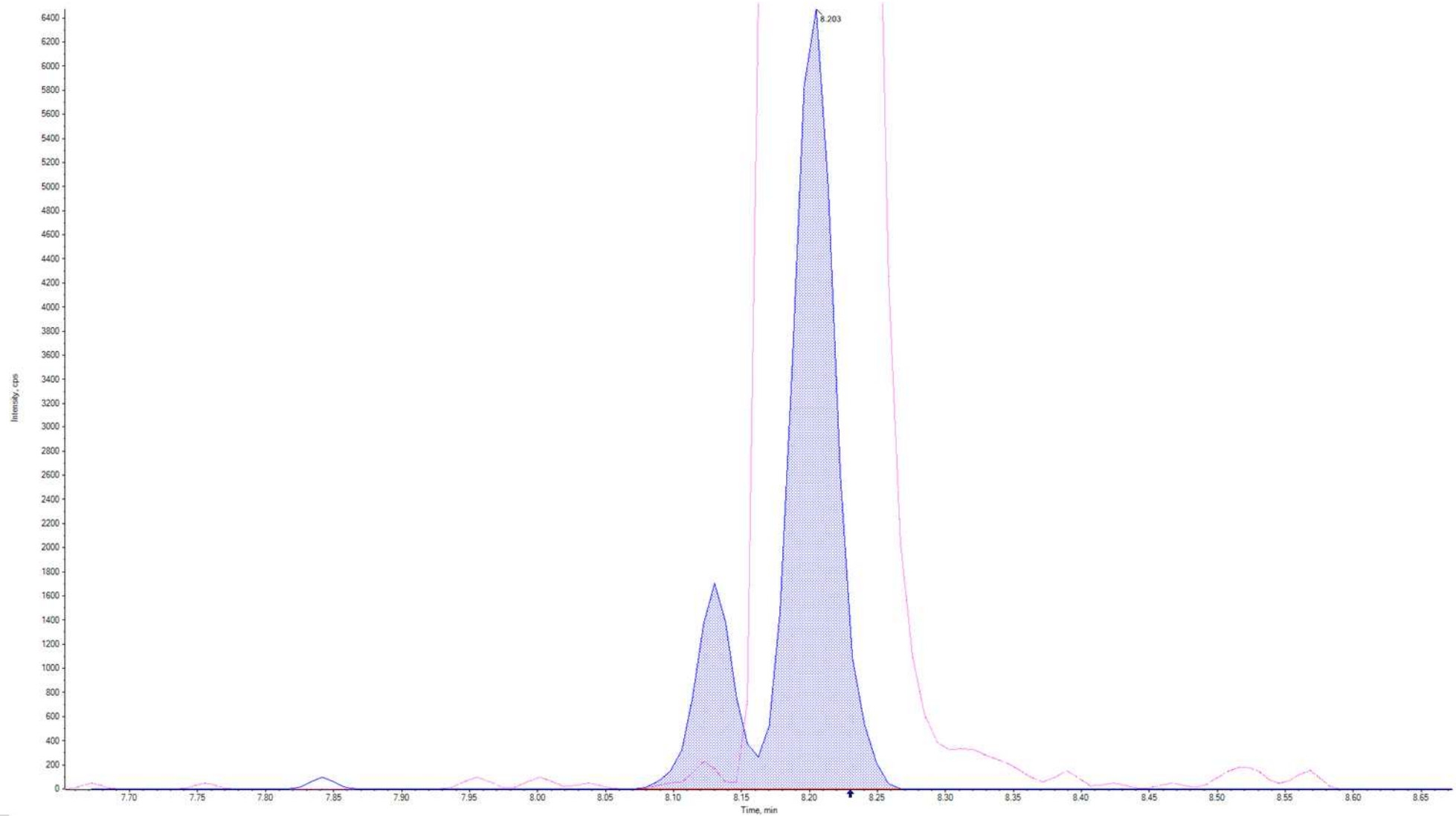
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA
Sample: WG1972930-2,1633LOW S/N:131624.9 Points Across peak:37



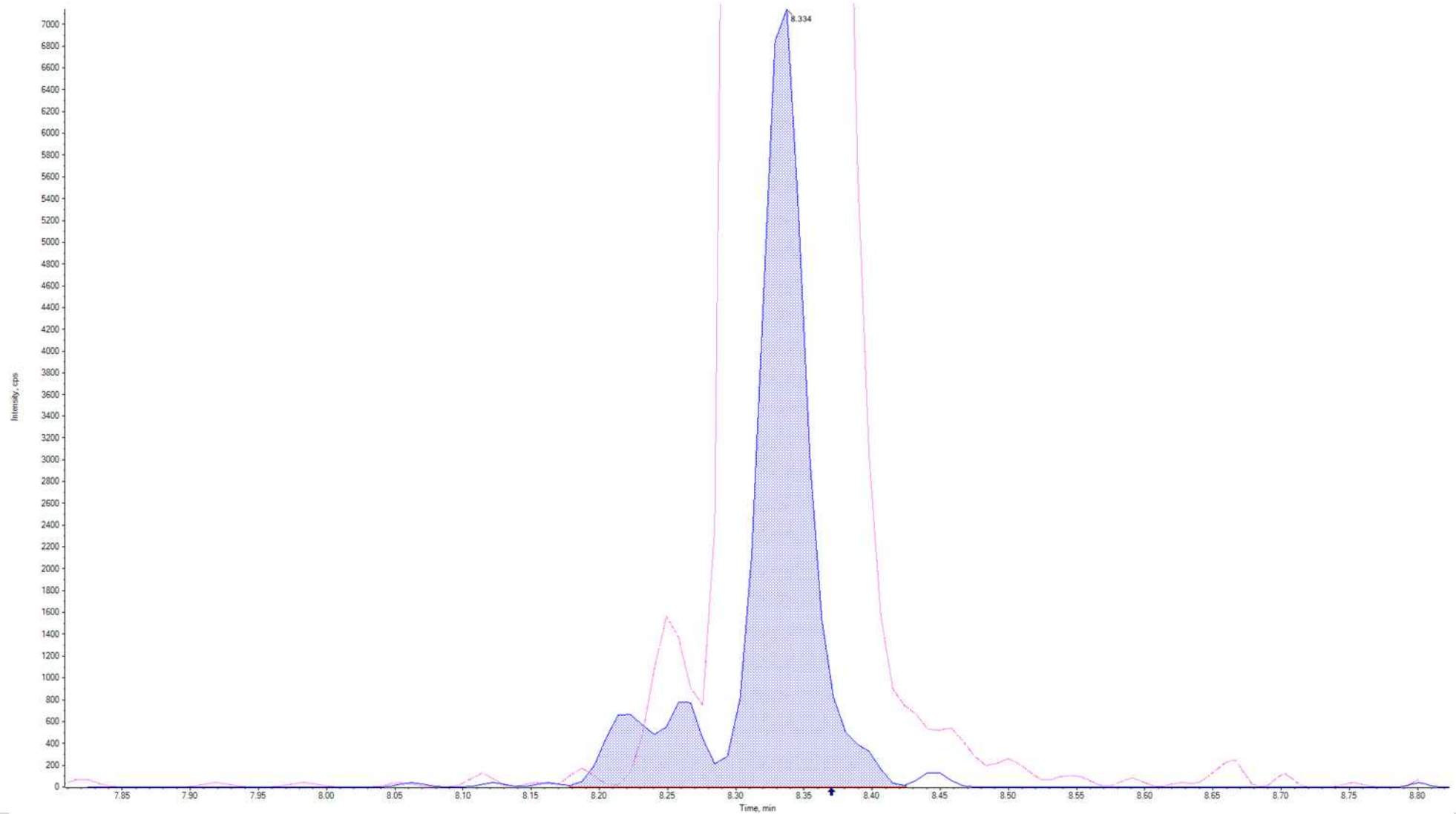
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA_2
Sample: WG1972930-2,1633LOW S/N:62959.3 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA
Sample: WG1972930-2,1633LOW S/N:368.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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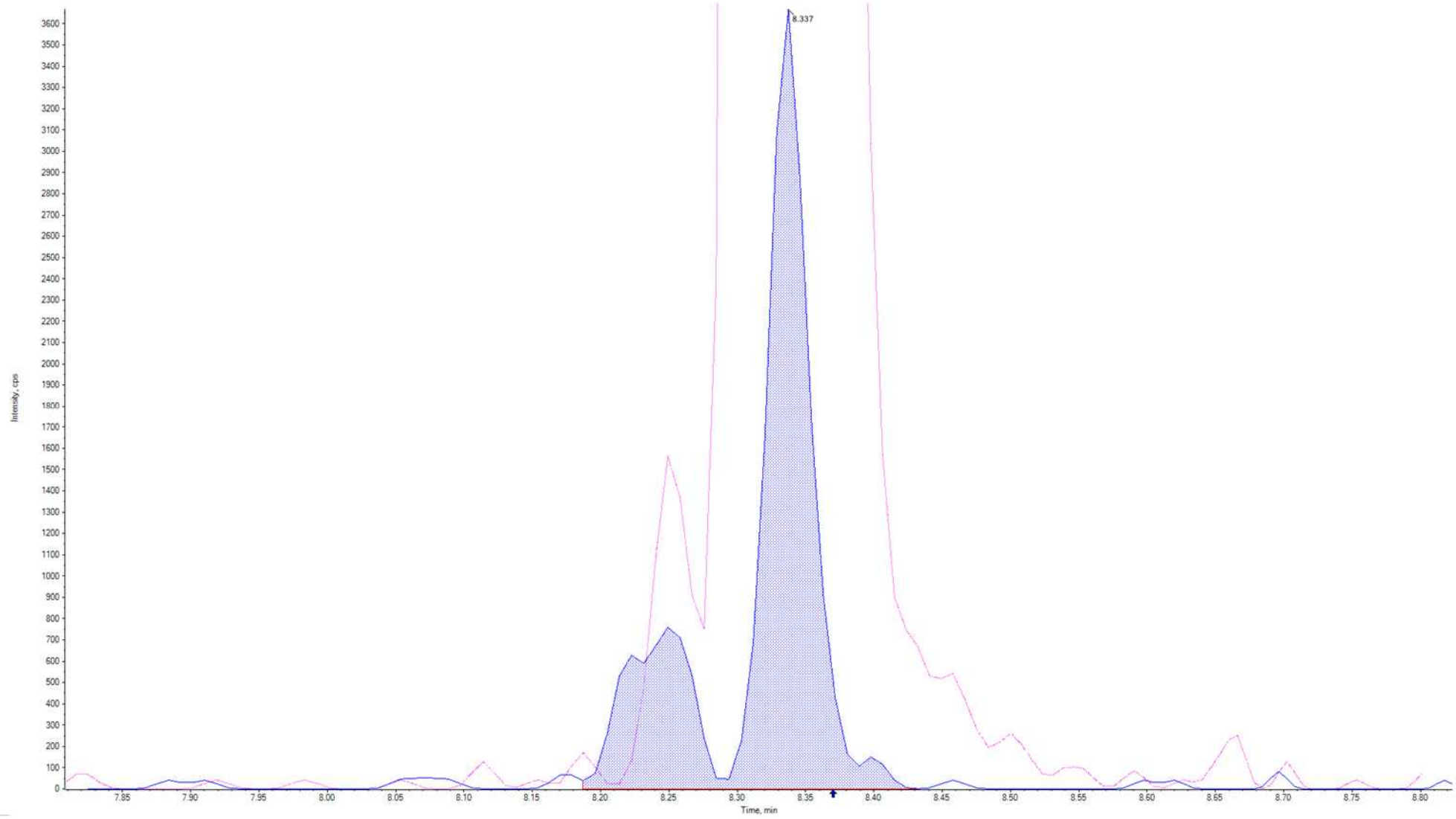
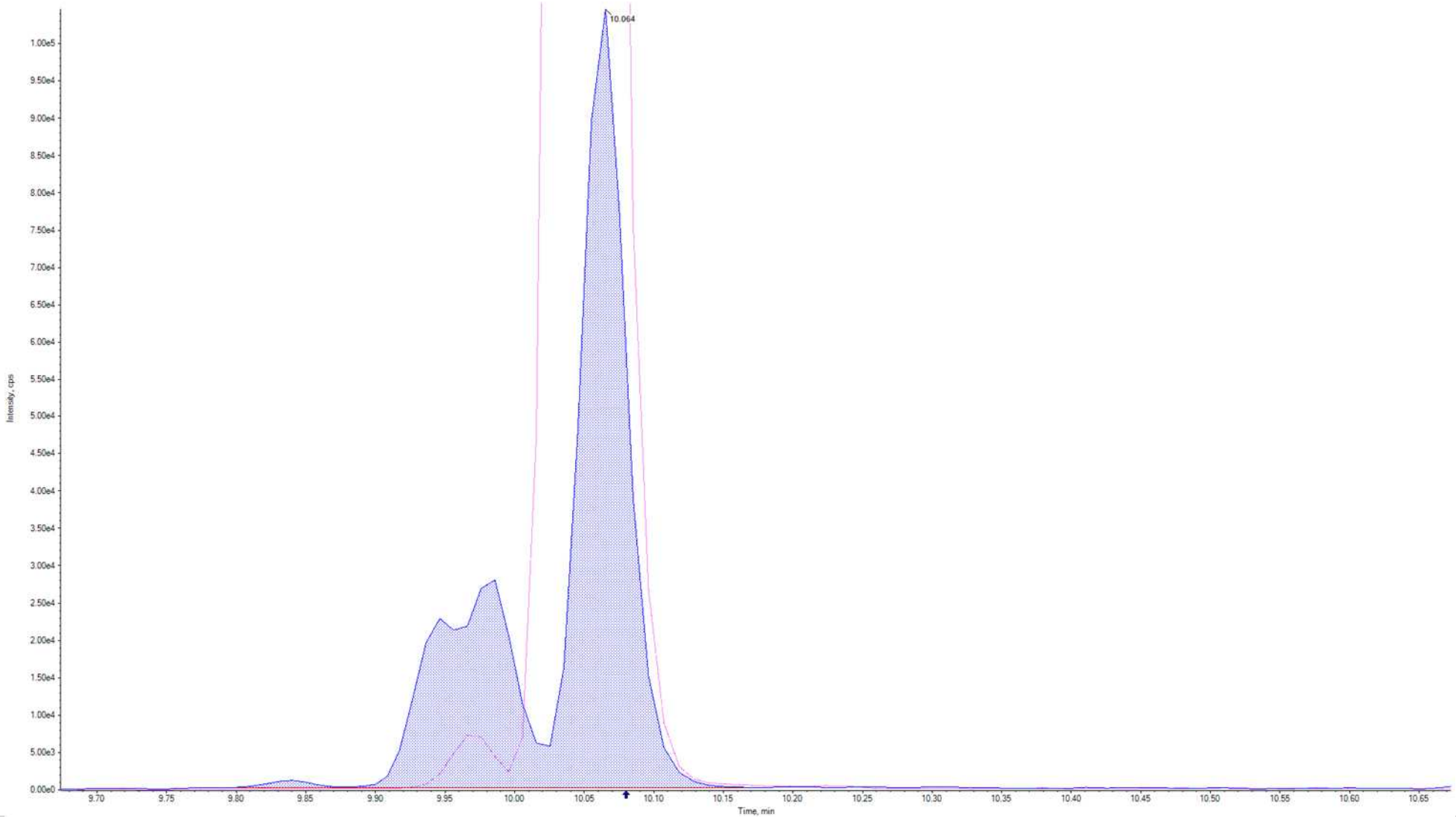
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA_2
Sample: WG1972930-2,1633LOW S/N:194.3 Points Across peak:30



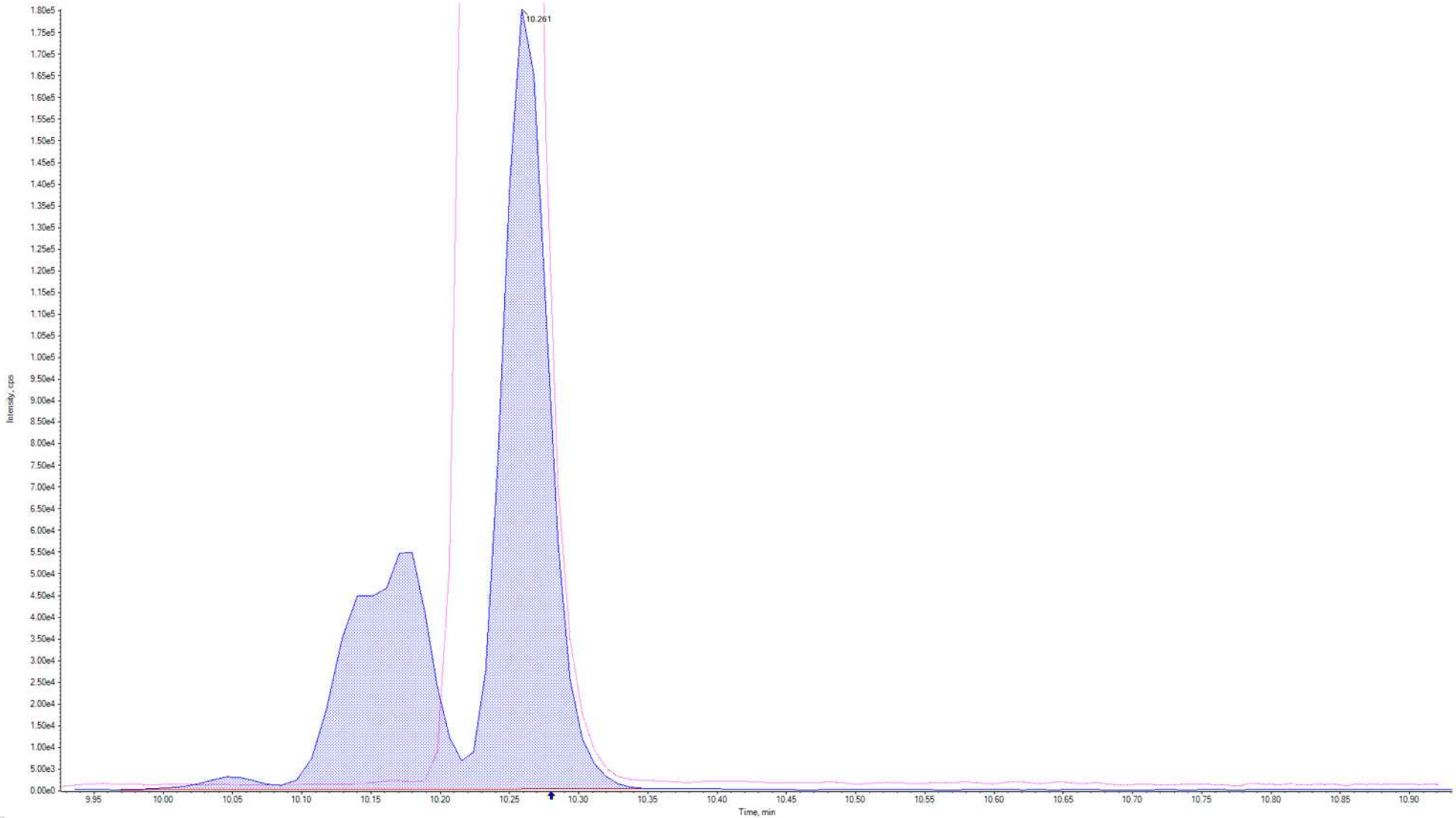
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSE
Sample: WG1972930-2,1633LOW S/N:768.1 Points Across peak:42



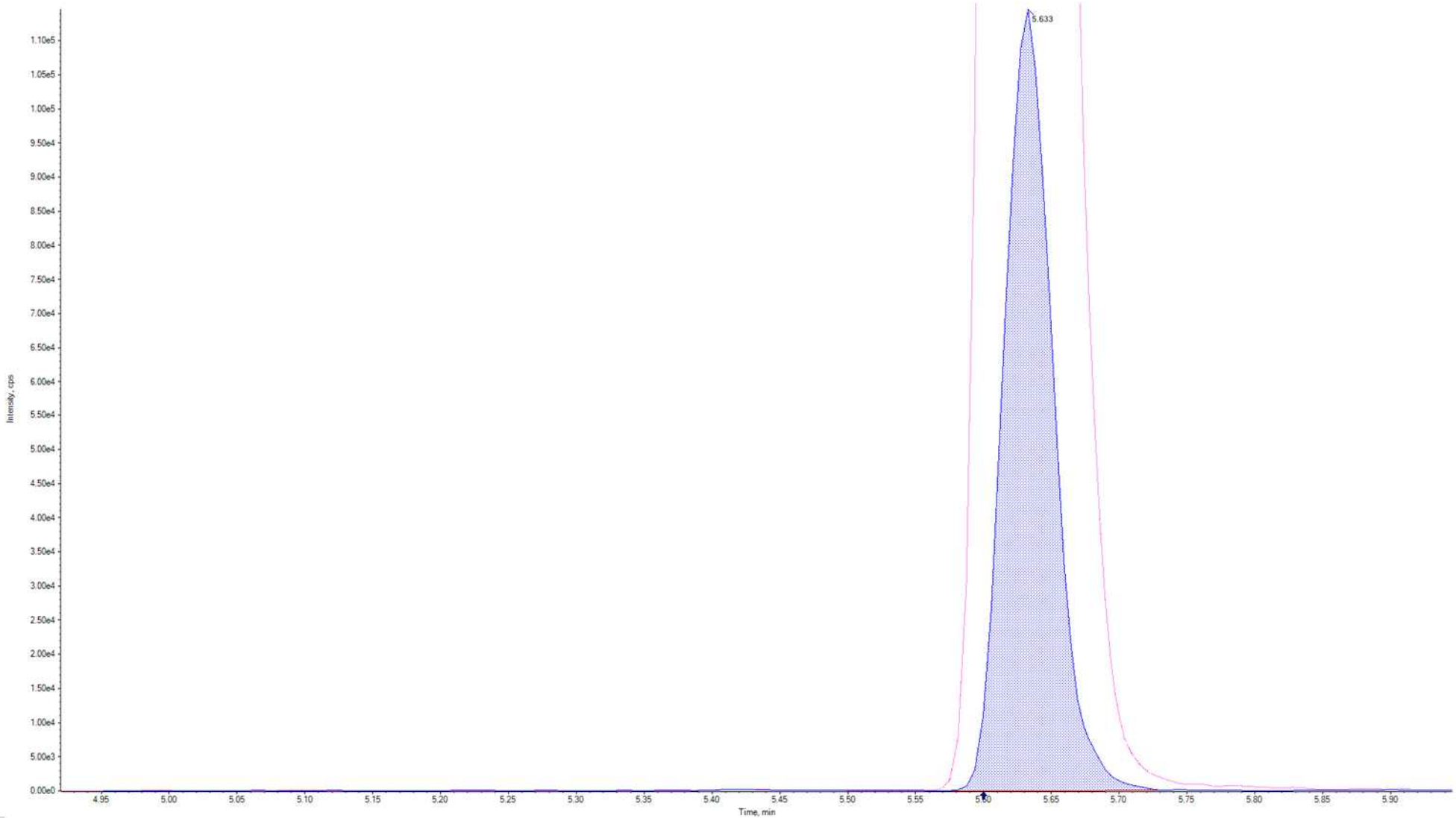
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSE
Sample: WG1972930-2,1633LOW S/N:1041.5 Points Across peak:44



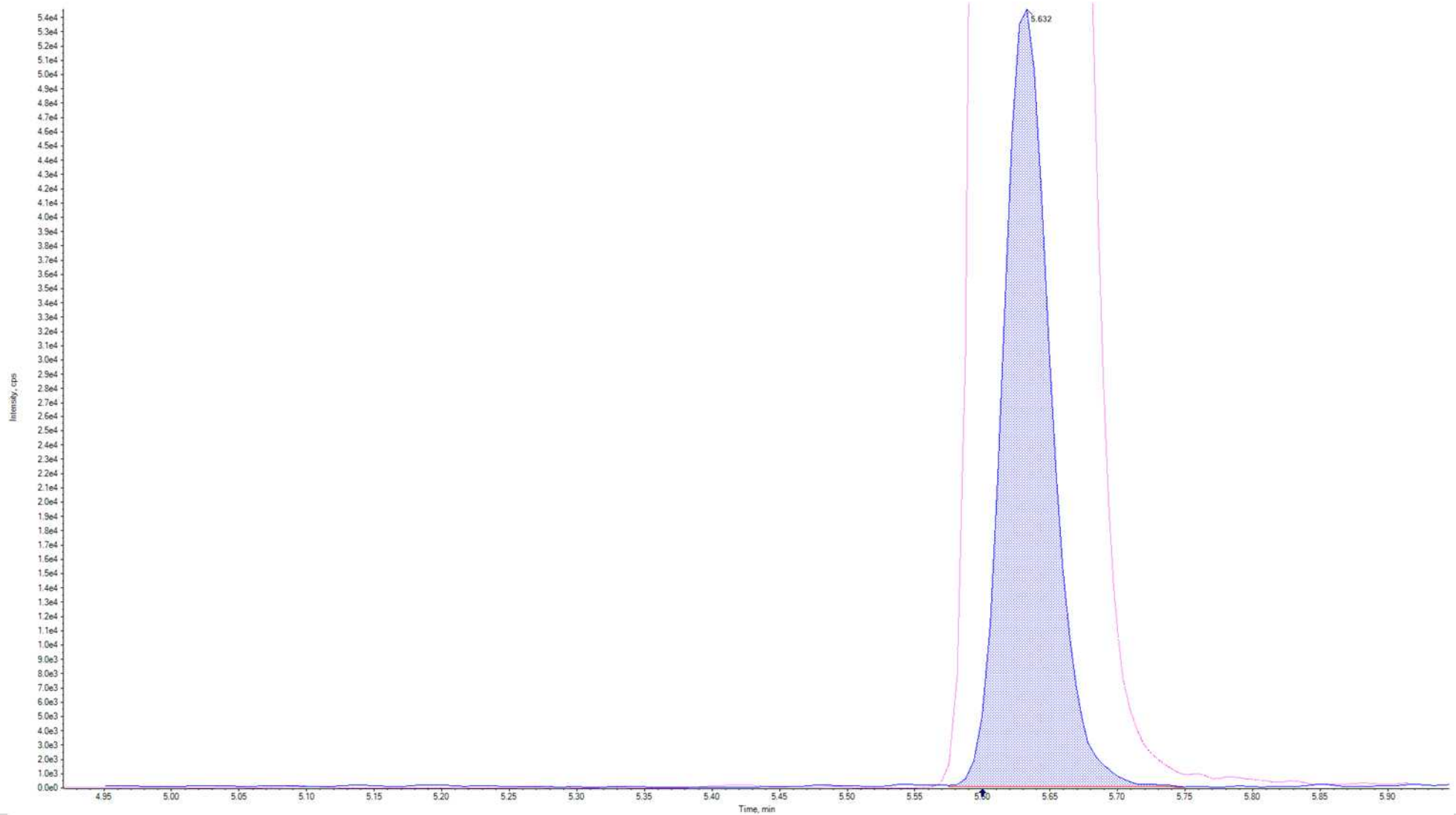
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA
Sample: WG1972930-2,1633LOW S/N:7560.1 Points Across peak:34



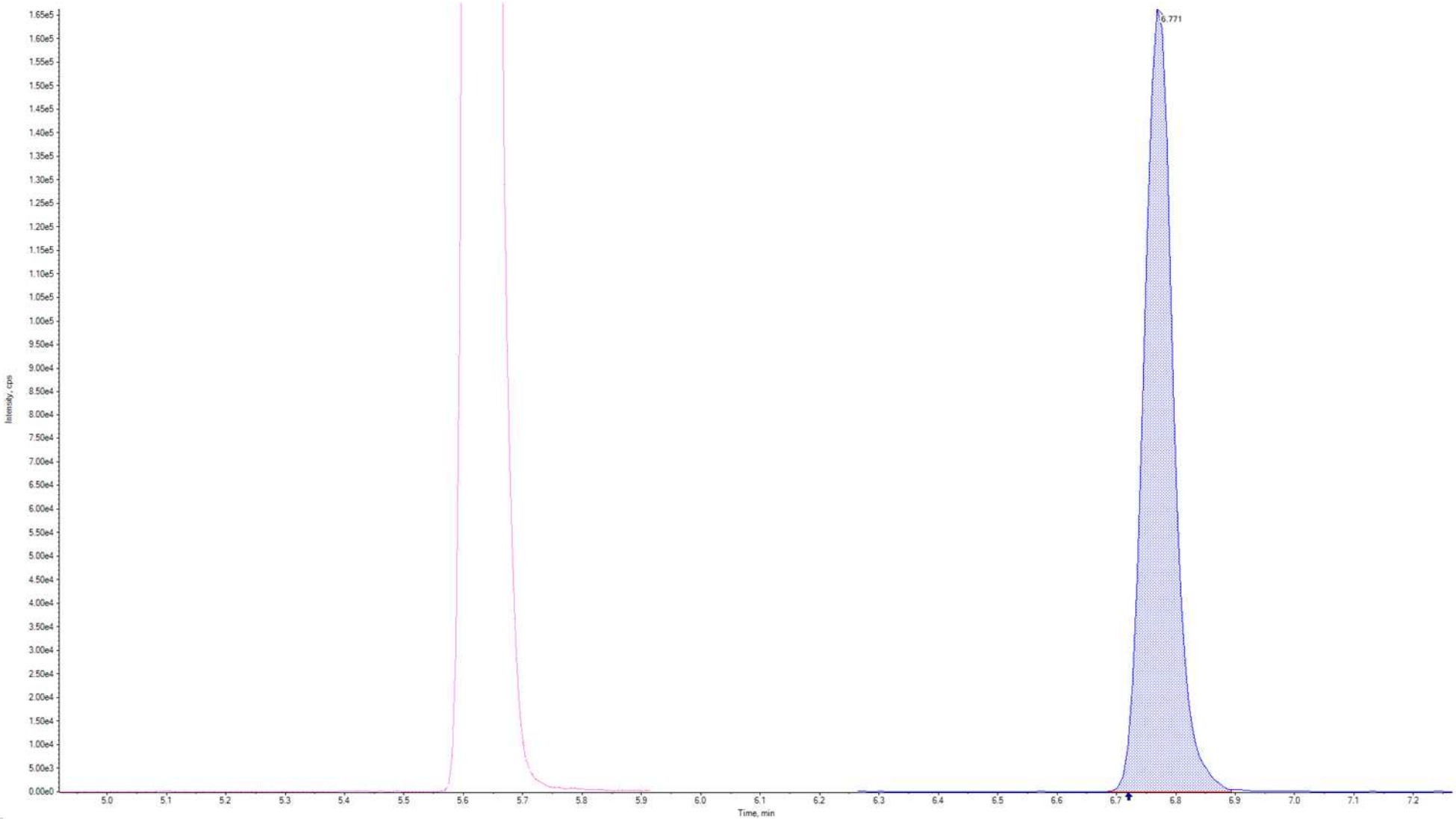
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA_2
Sample: WG1972930-2,1633LOW S/N:1390.1 Points Across peak:37



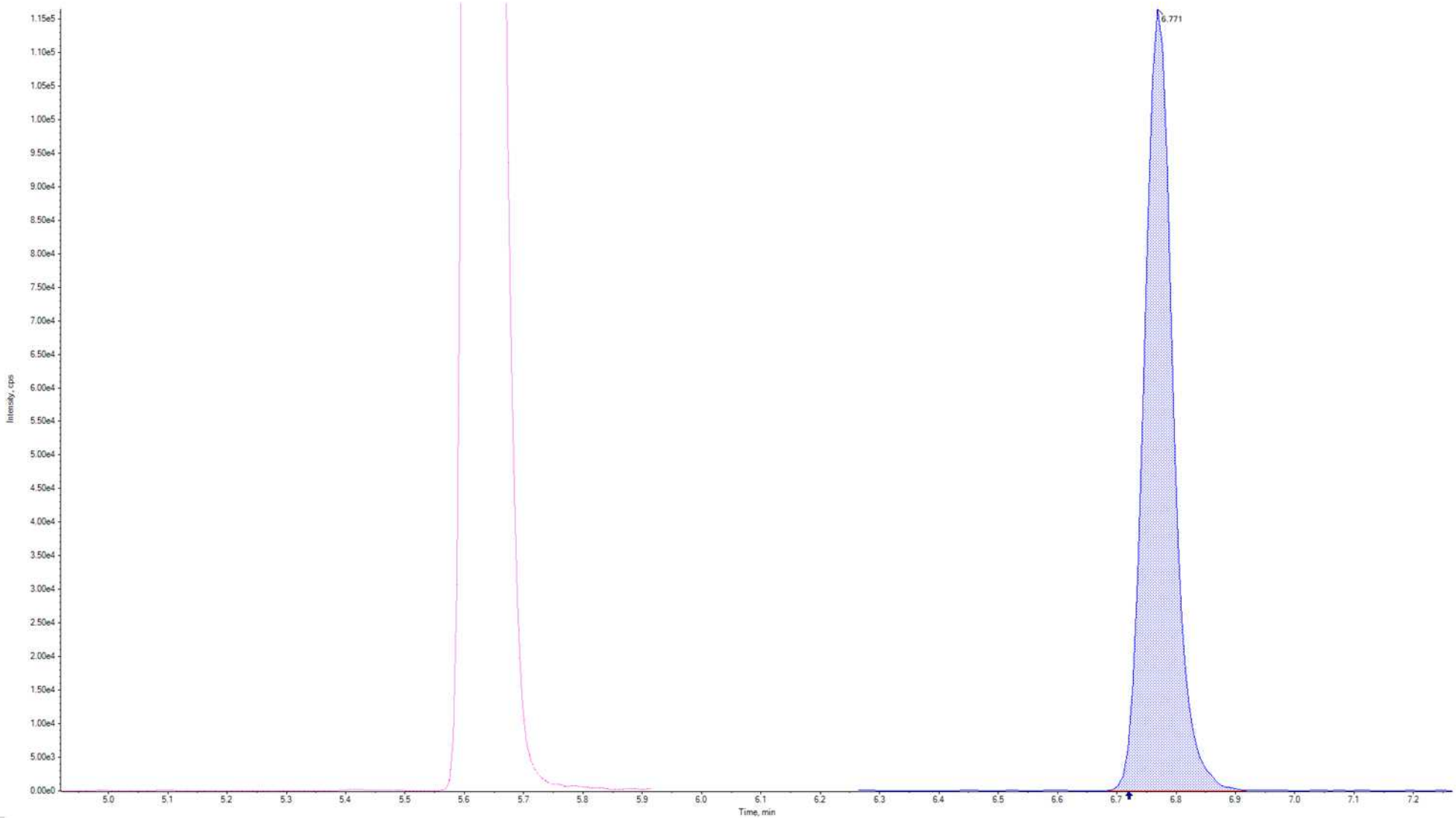
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

ADONA
Sample: WG1972930-2,1633LOW S/N:6092.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

ADONA_2
Sample: WG1972930-2,1633LOW S/N:4261.2 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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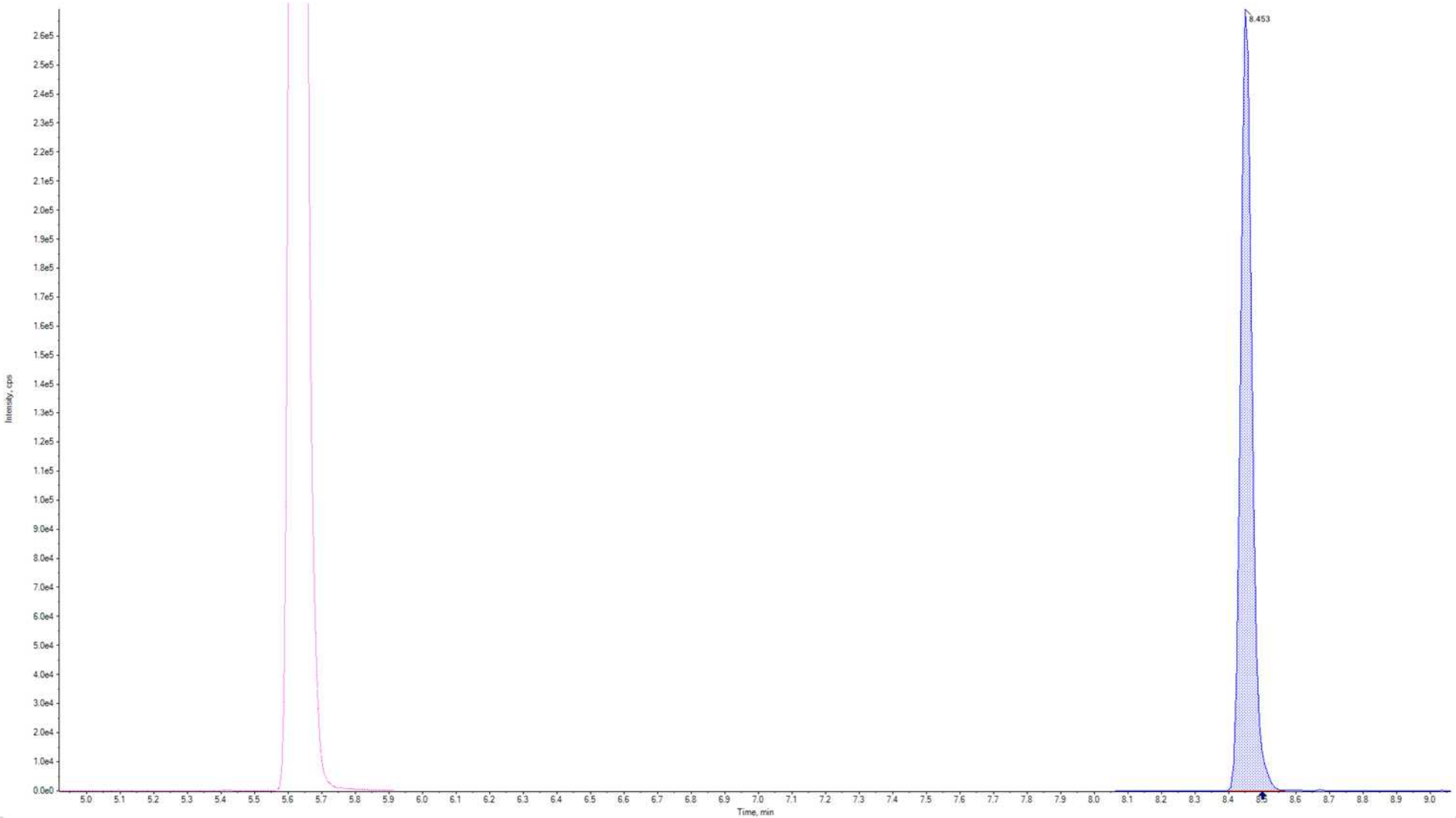
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS
Sample: WG1972930-2,1633LOW S/N:1648928.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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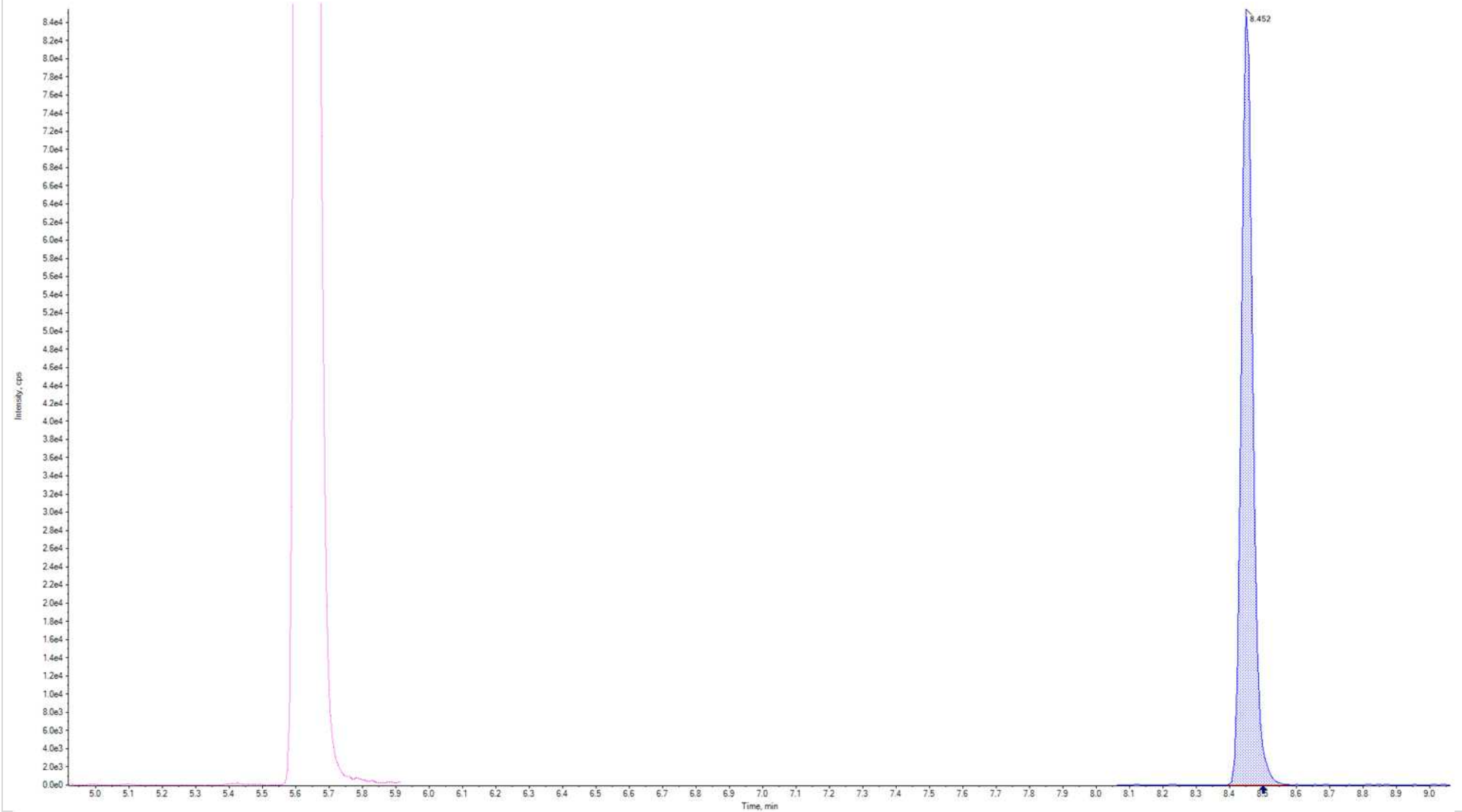
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS_2
Sample: WG1972930-2,1633LOW S/N:136473.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS
Sample: WG1972930-2,1633LOW S/N:3448.1 Points Across peak:38

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS_2
Sample: WG1972930-2,1633LOW S/N:2512.6 Points Across peak:35

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
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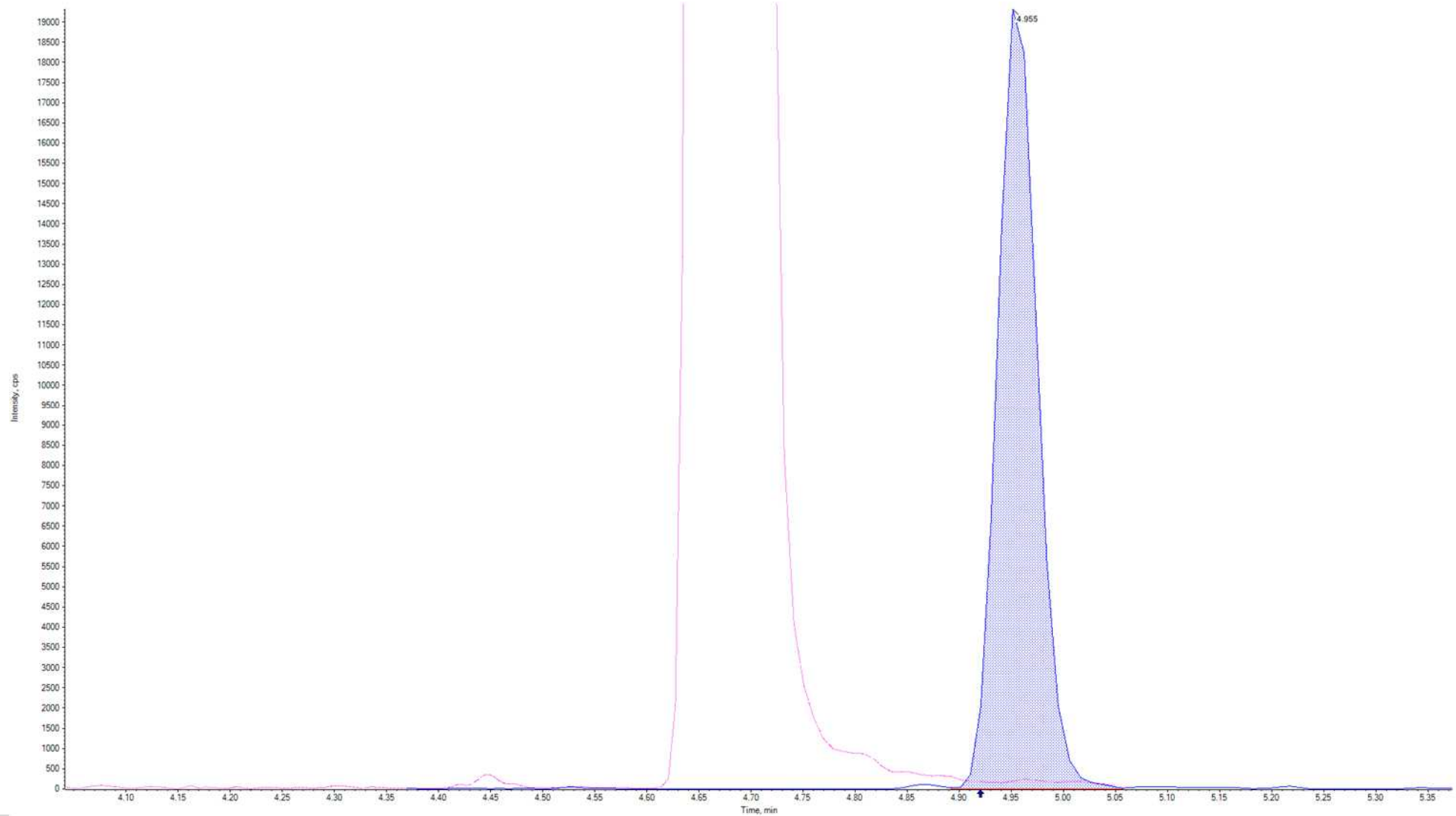
3:3FTCA
Sample: WG1972930-2,1633LOW S/N:1214.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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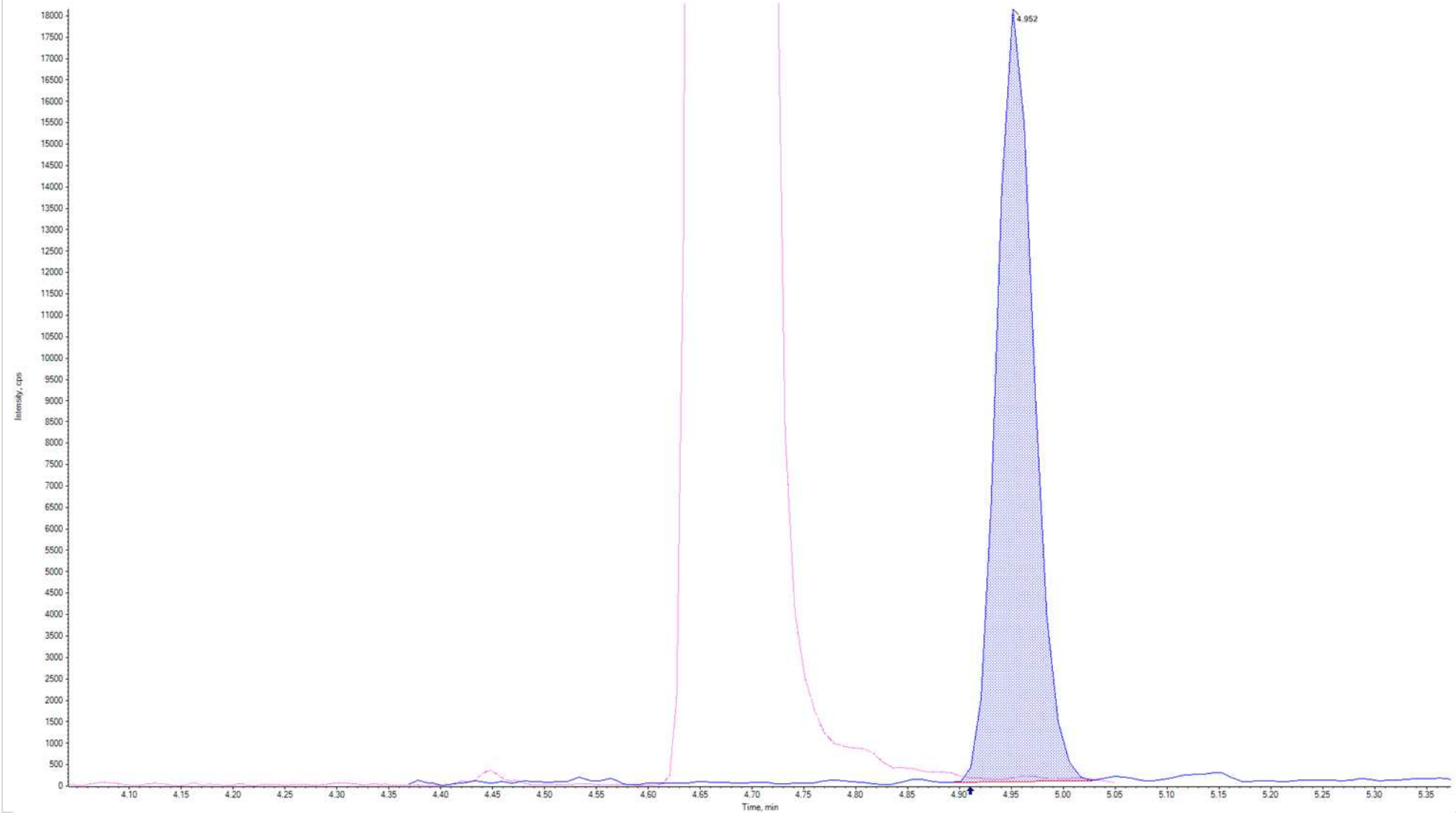
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

3:3FTCA_2
Sample: WG1972930-2,1633LOW S/N:1014.3 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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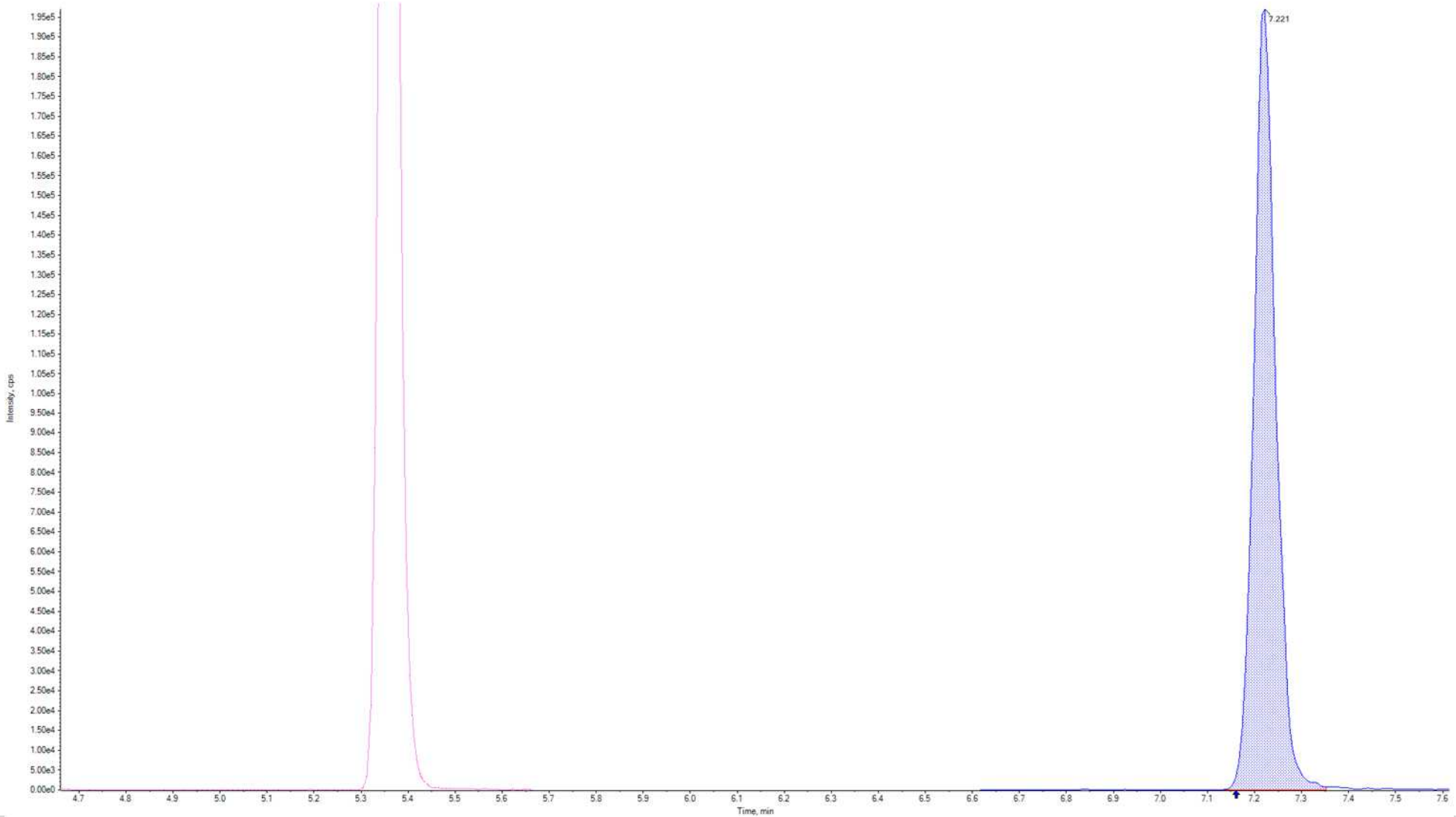
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA
Sample: WG1972930-2,1633LOW S/N:6618.2 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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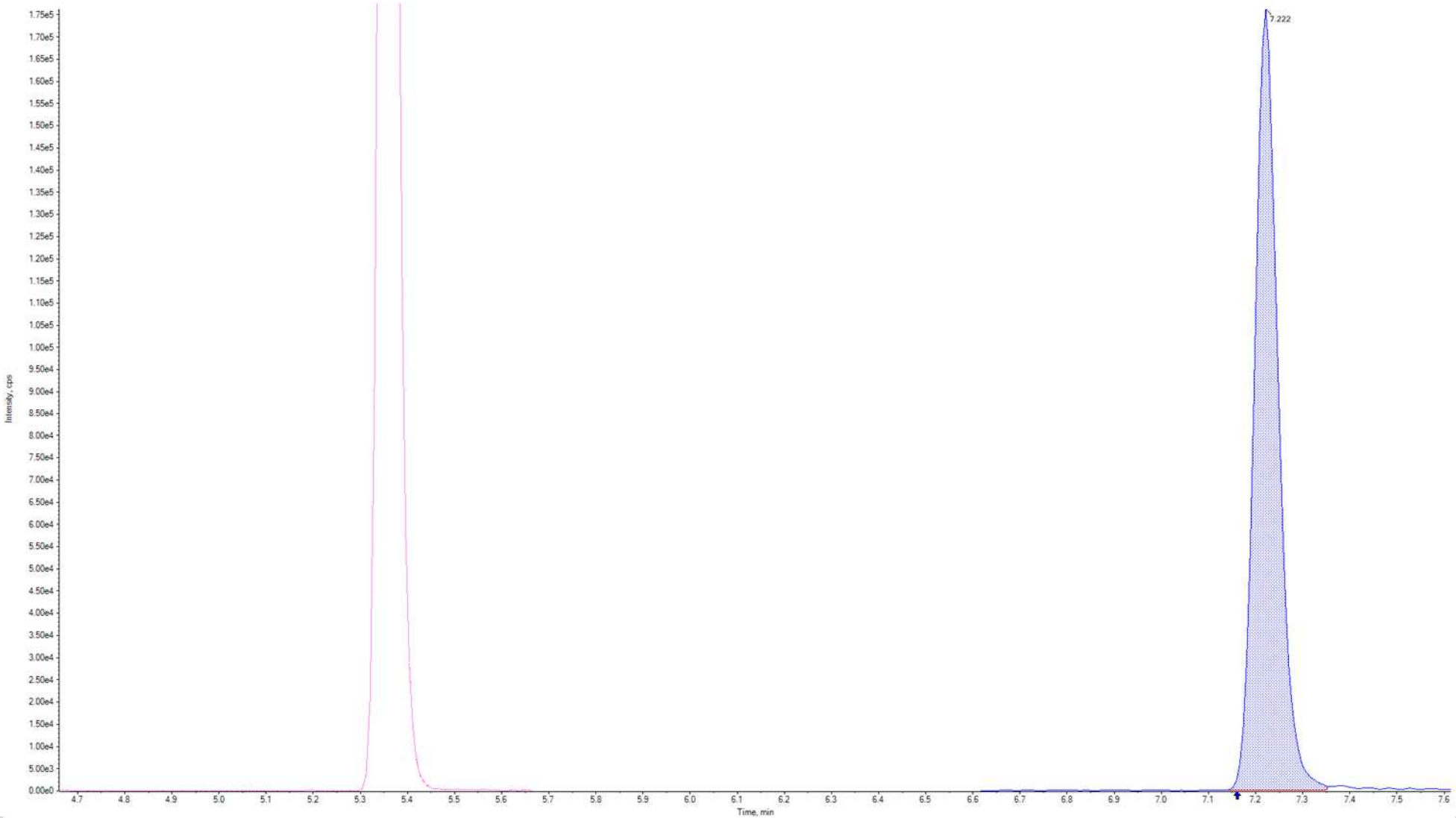
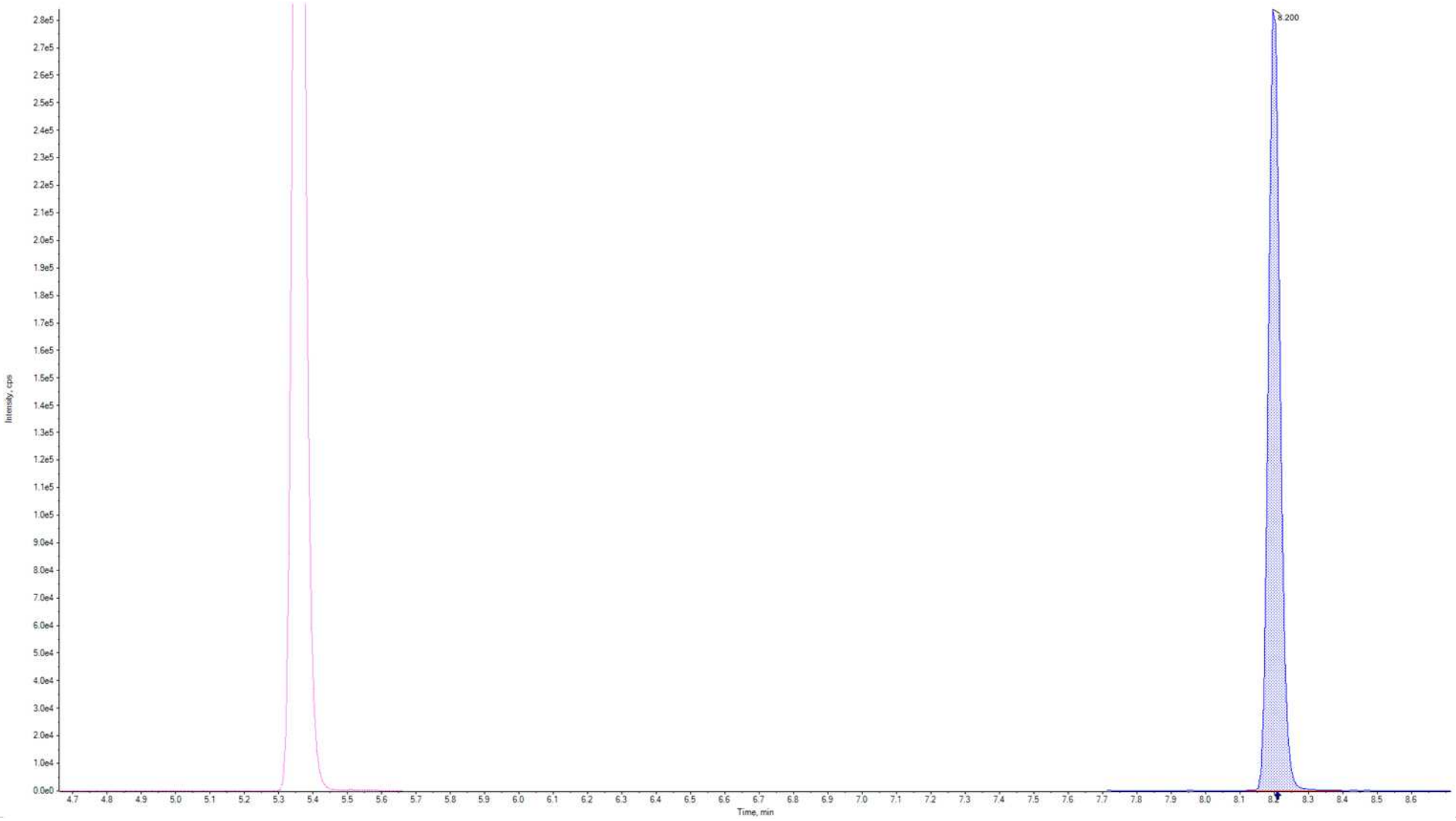
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA_2
Sample: WG1972930-2,1633LOW S/N:4063.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA
Sample: WG1972930-2,1633LOW S/N:1999.6 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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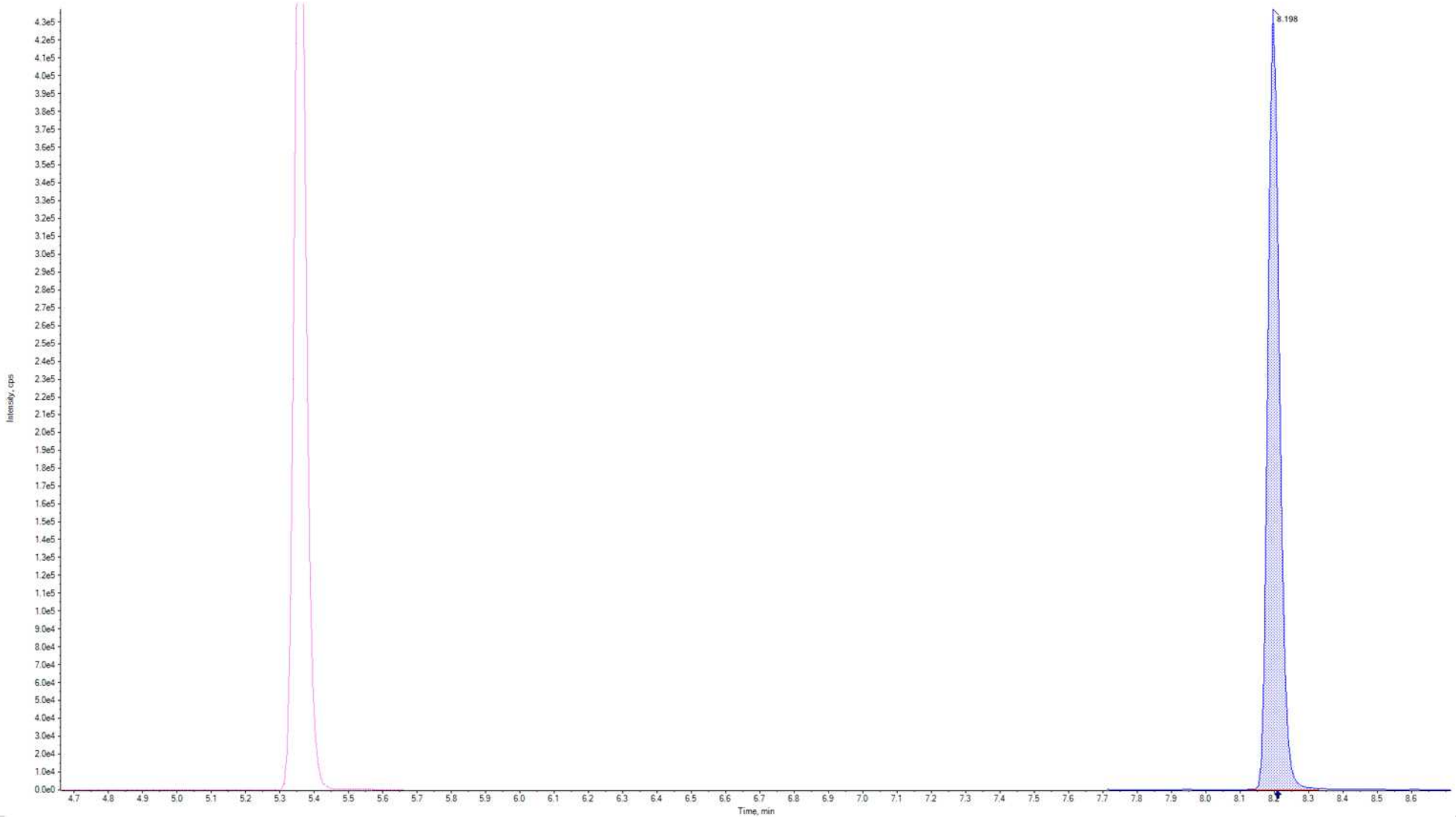
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA_2
Sample: WG1972930-2,1633LOW S/N:2027869.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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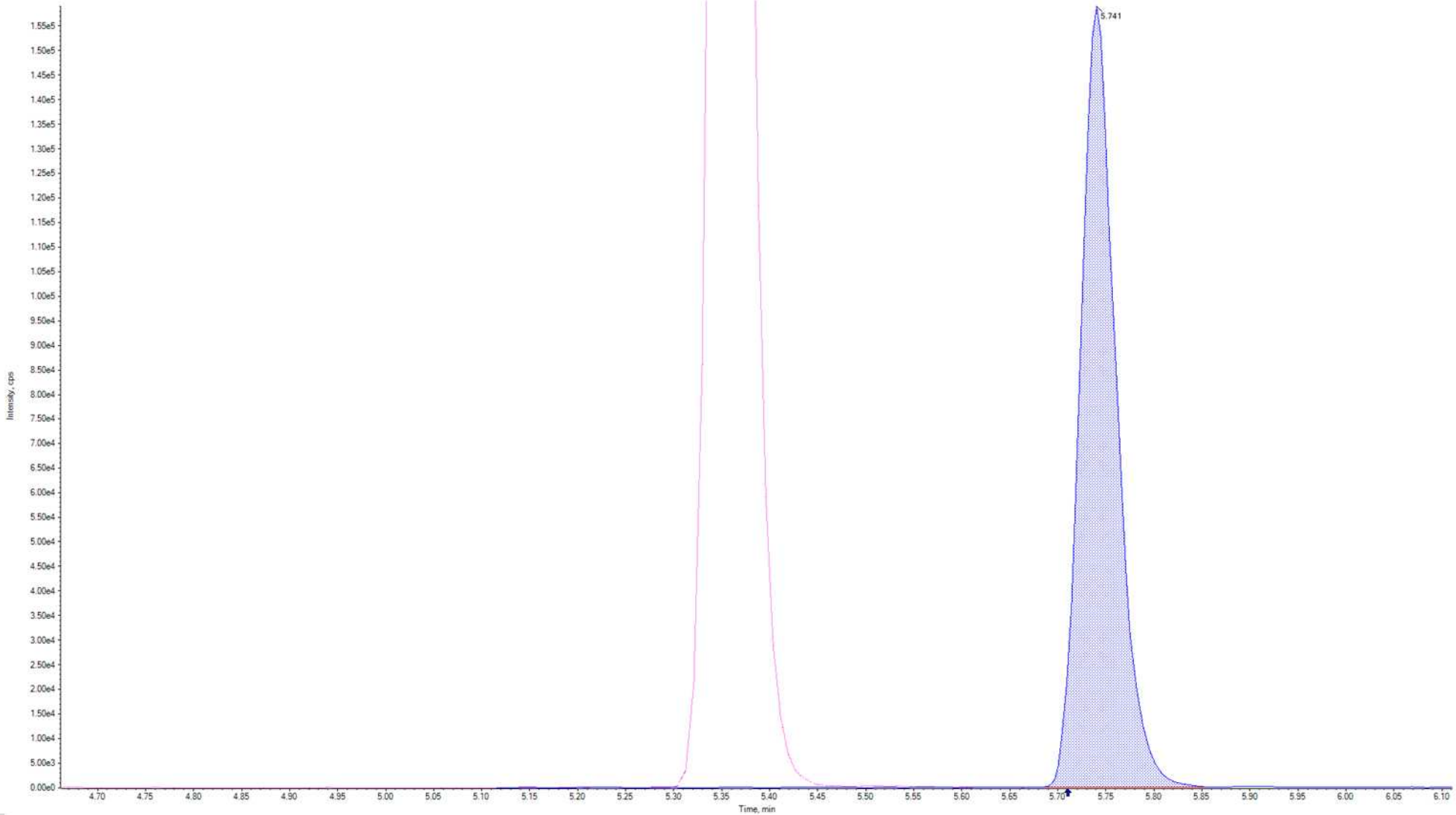
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: WG1972930-2,1633LOW S/N:4684.2 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_09.wiff
Last Altered: 9/18/2024 12:41:54 PM
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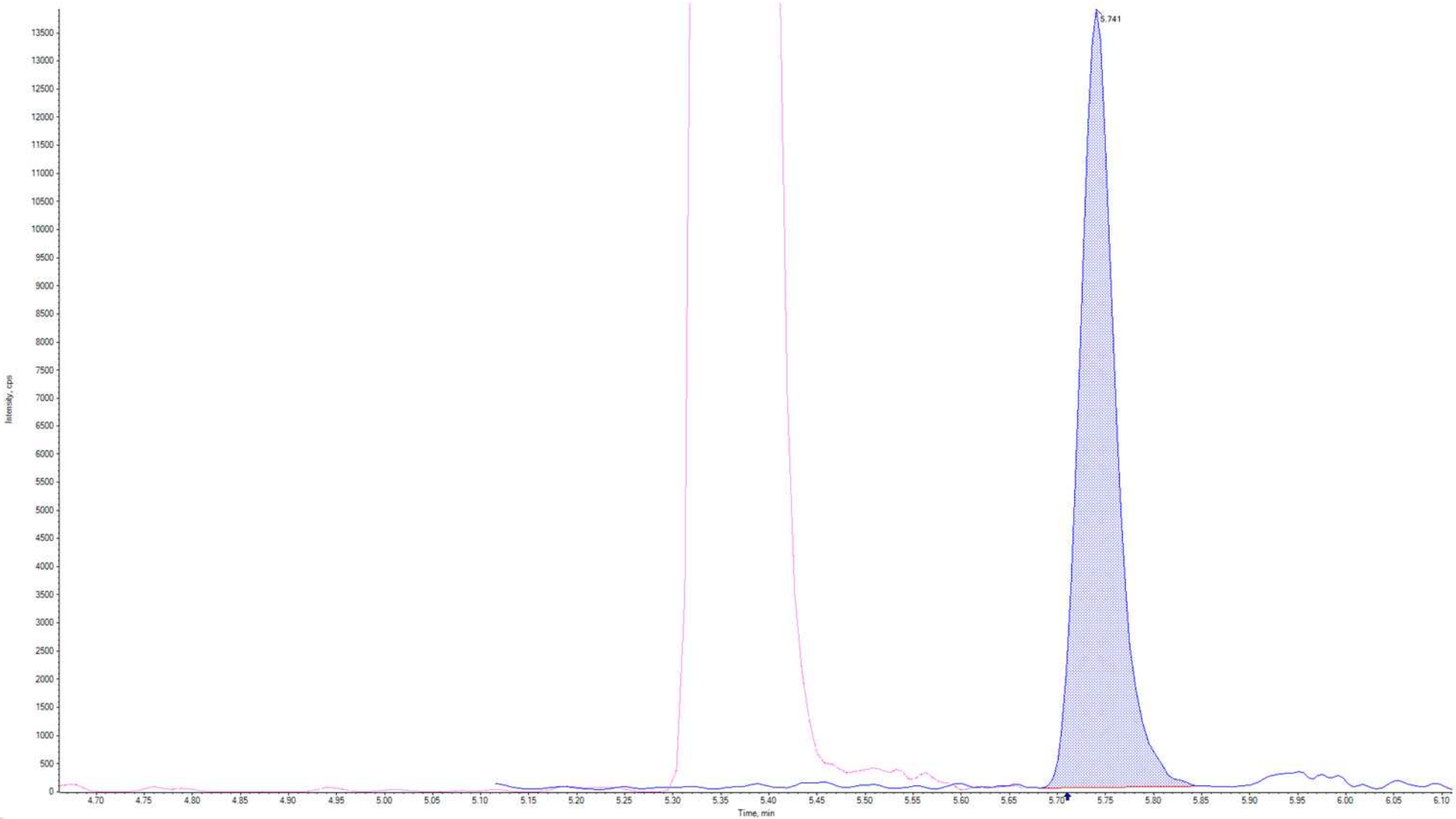
PFEESA_2
Sample: WG1972930-2,1633LOW S/N:733.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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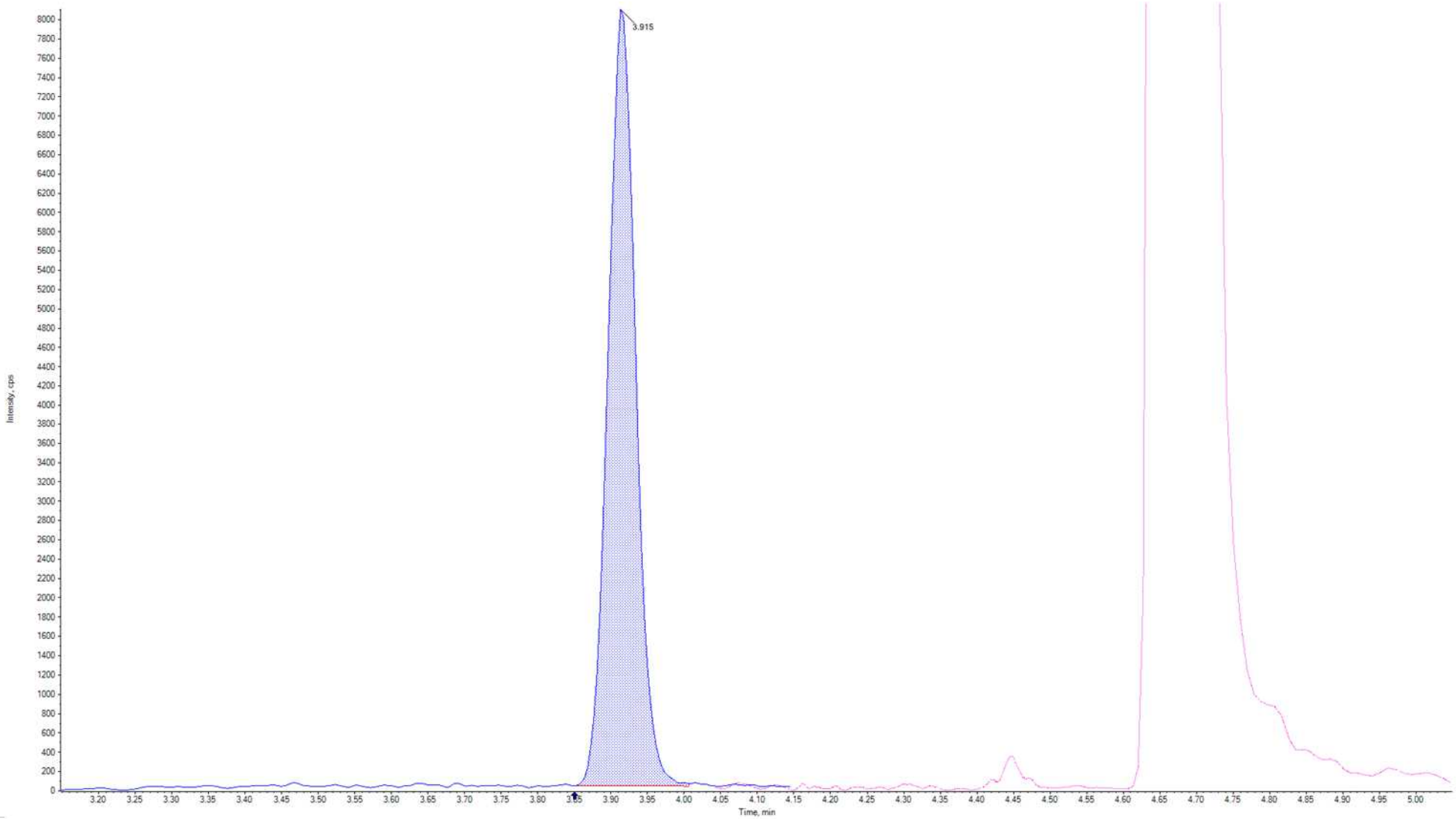
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFMPA
Sample: WG1972930-2,1633LOW S/N:2106.7 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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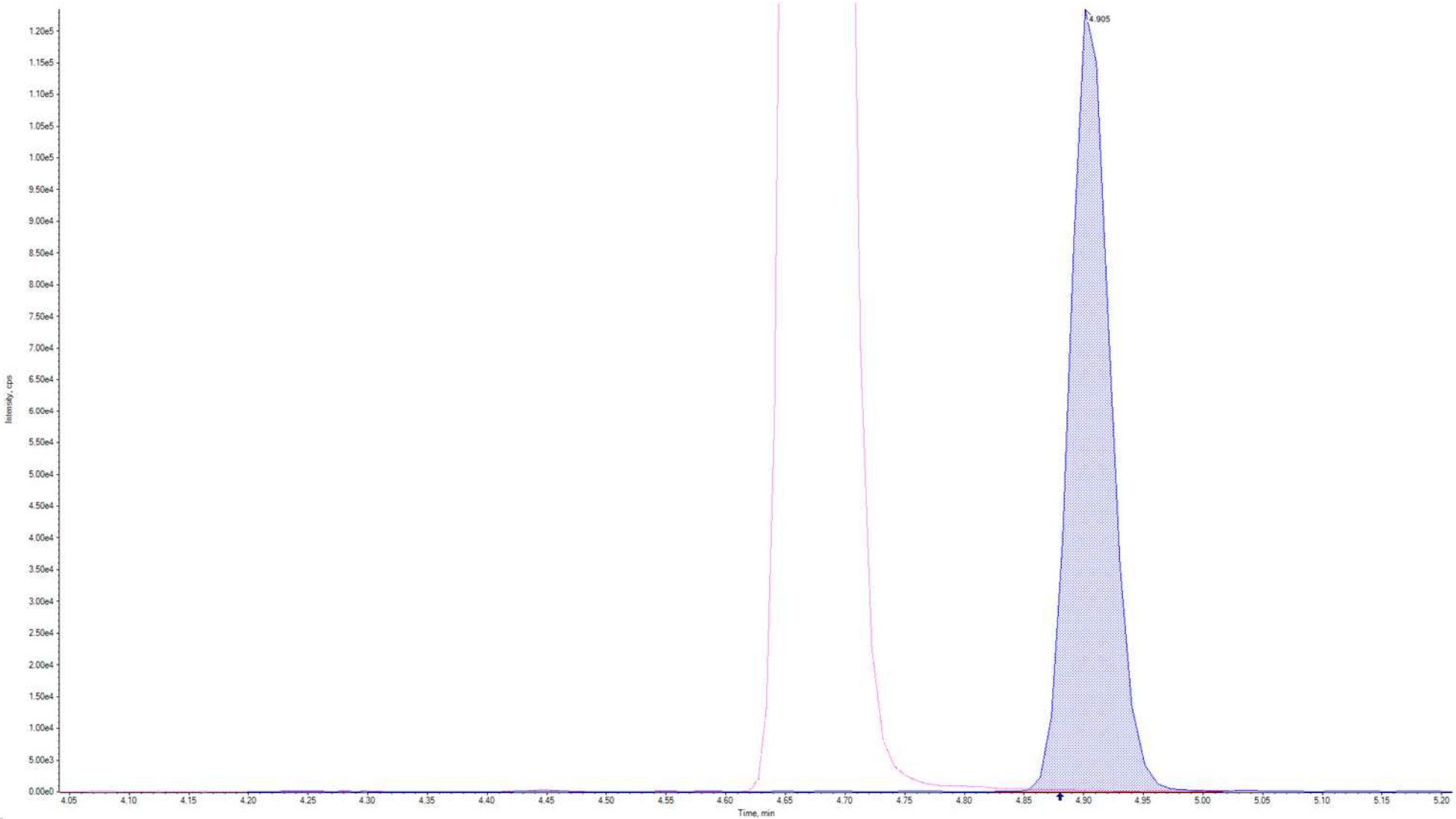
PFMBA
Sample: WG1972930-2,1633LOW S/N:6007.5 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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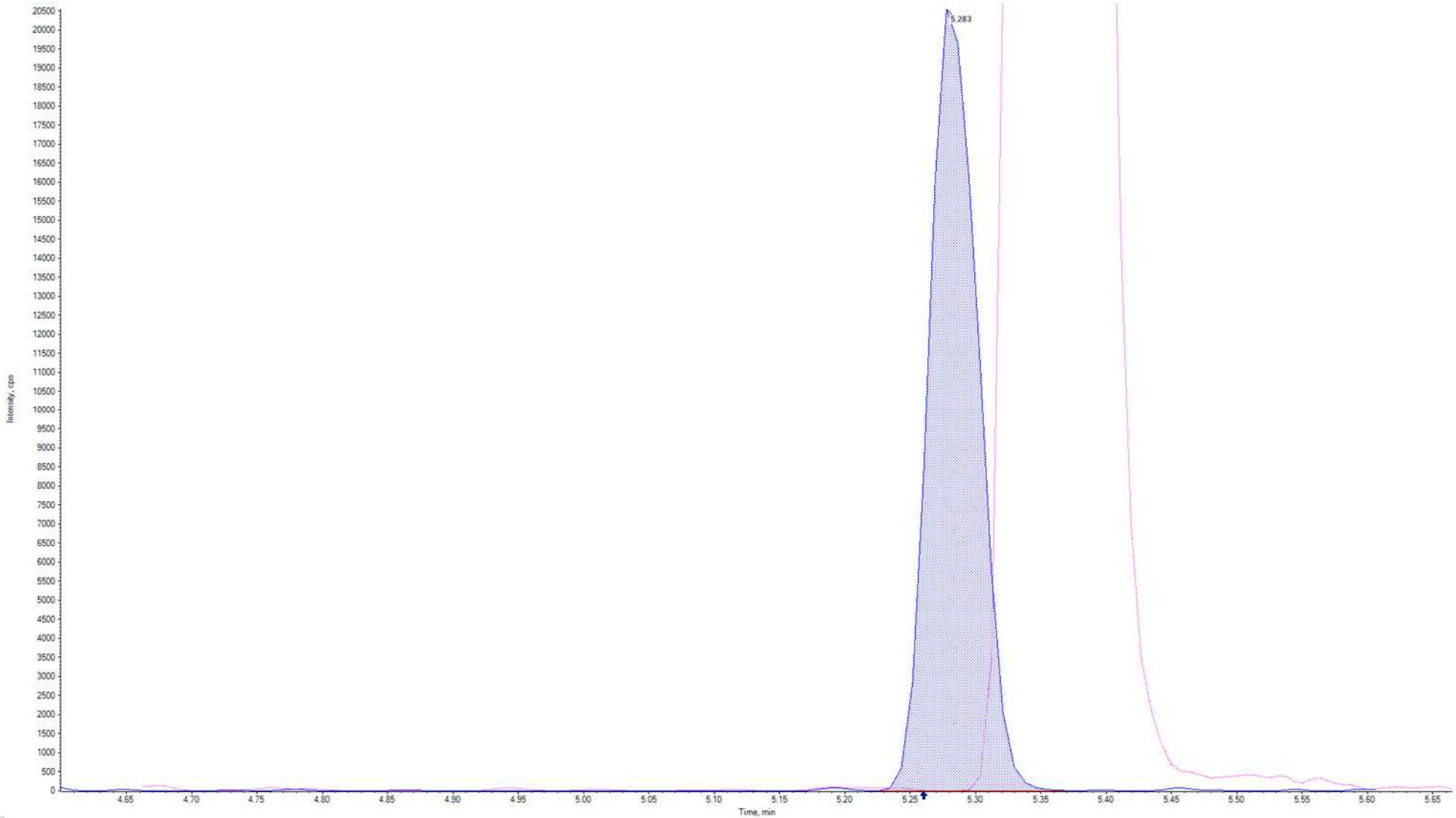
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NFDHA
Sample: WG1972930-2,1633LOW S/N:1949.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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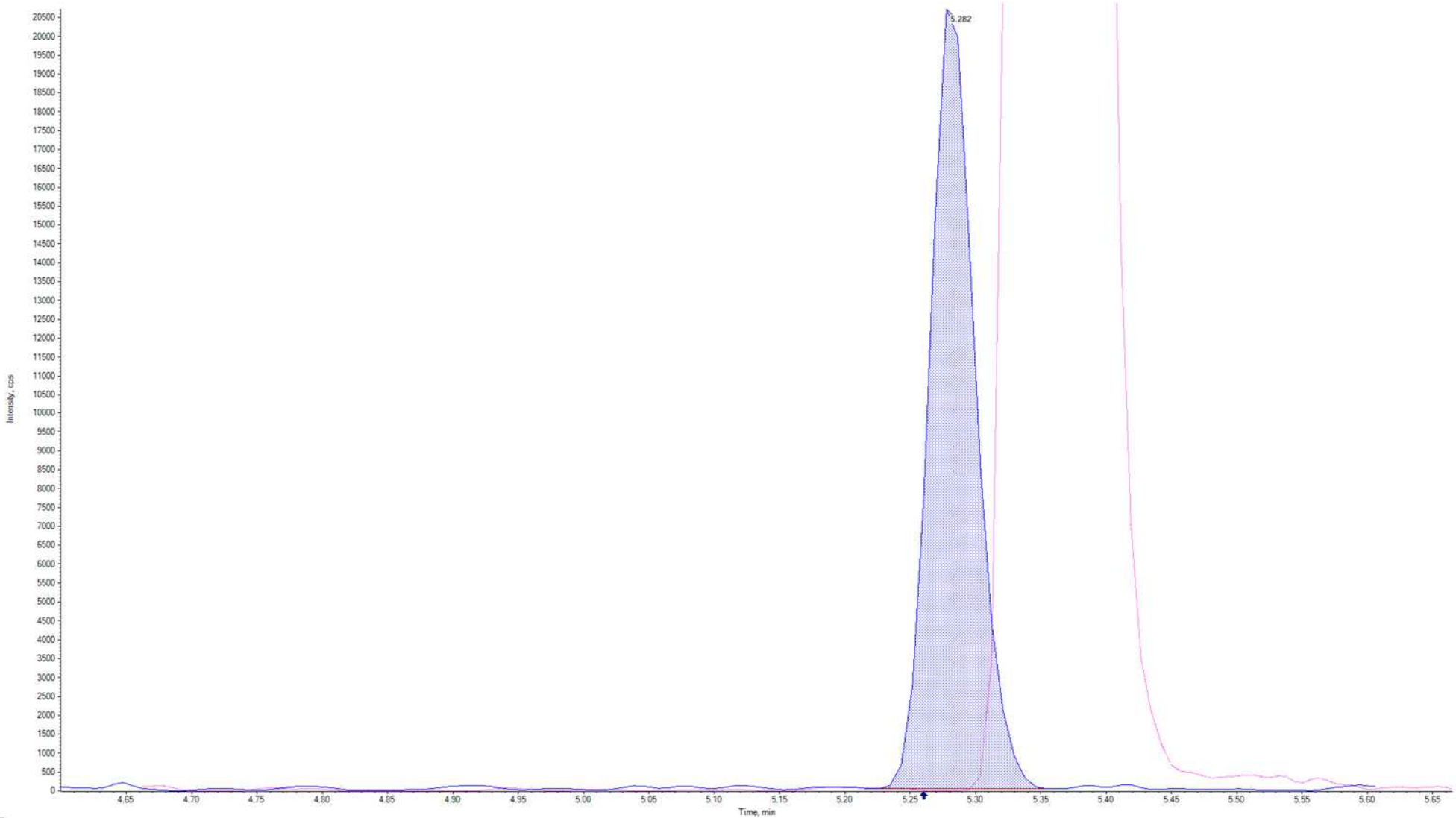
NFDHA_2
Sample: WG1972930-2,1633LOW S/N:1449.8 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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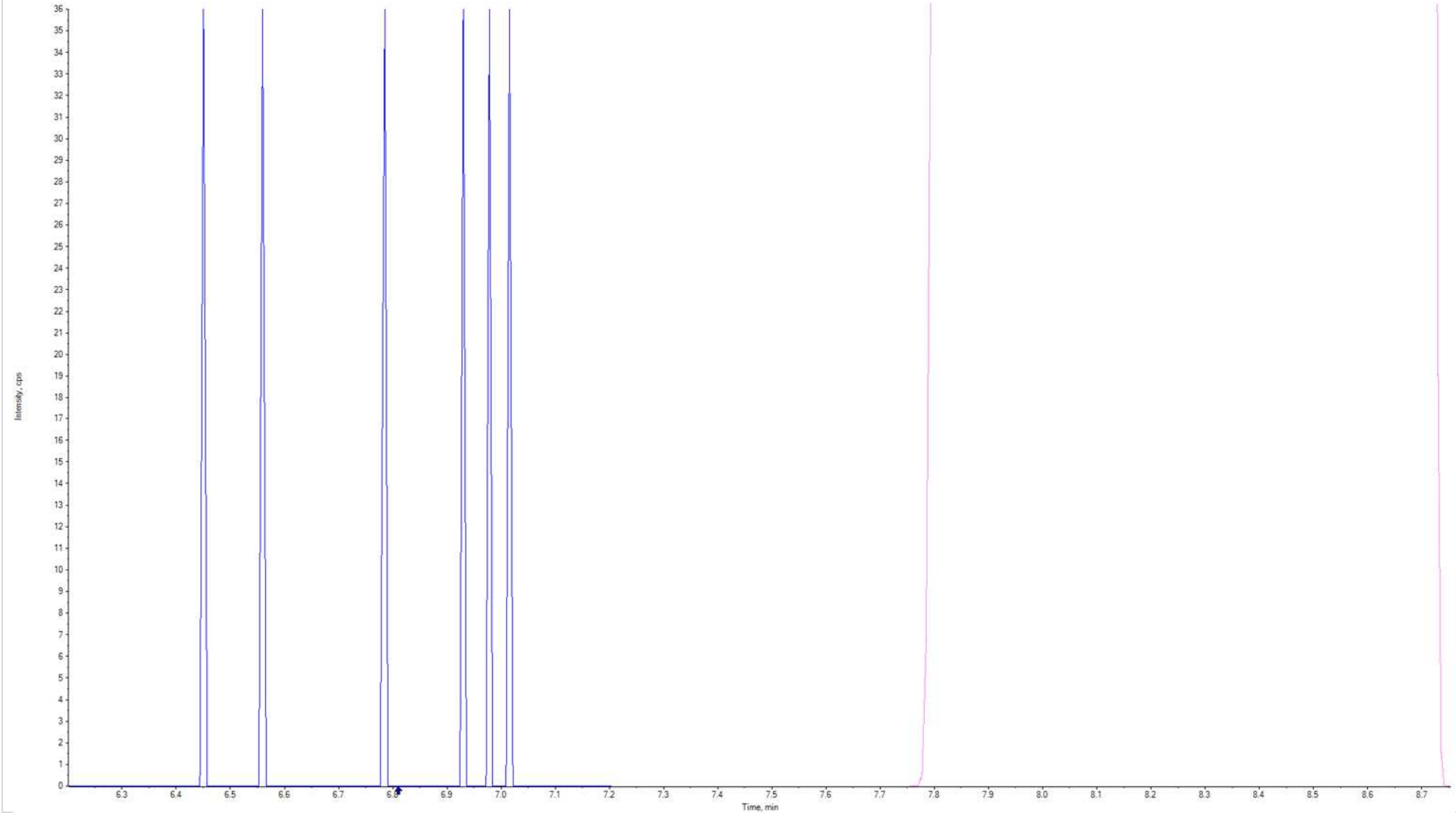
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

TDCA
Sample: WG1972930-2,1633LOW S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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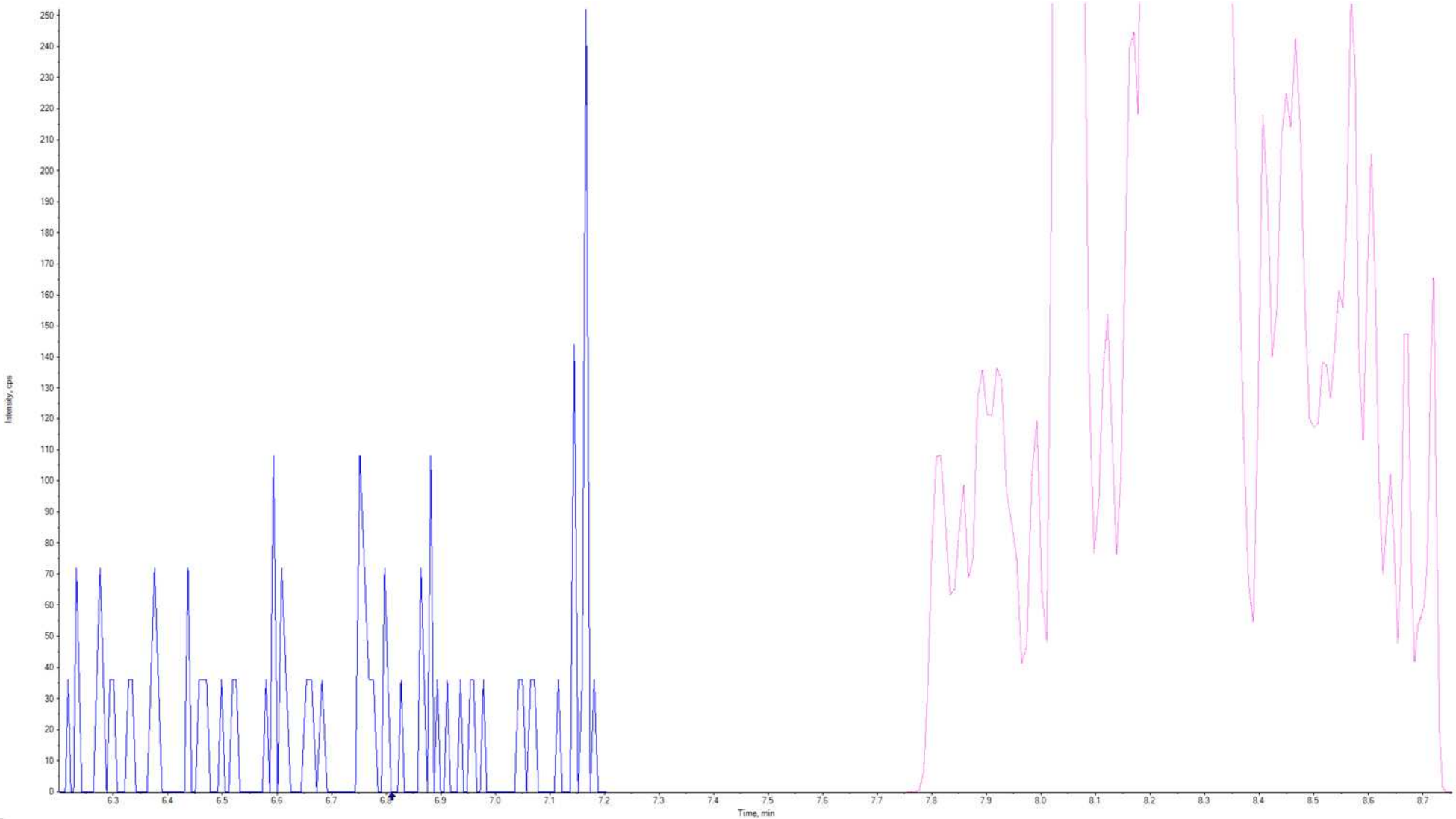
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

TDCA_2
Sample: WG1972930-2,1633LOW S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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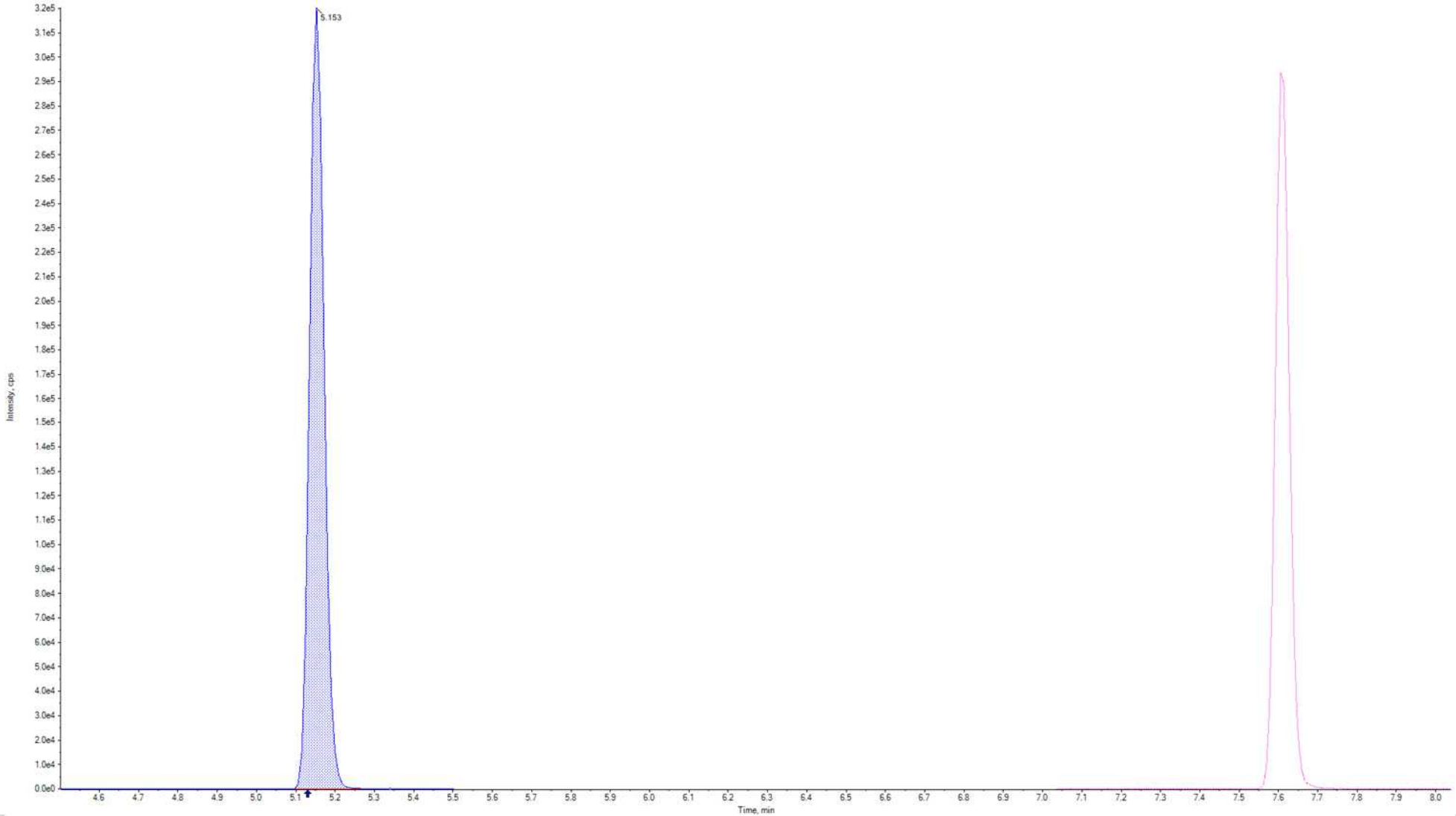
13C2D4-4:2FTS
Sample: WG1972930-2,1633LOW S/N:225402.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/18/2024 12:41:54 PM
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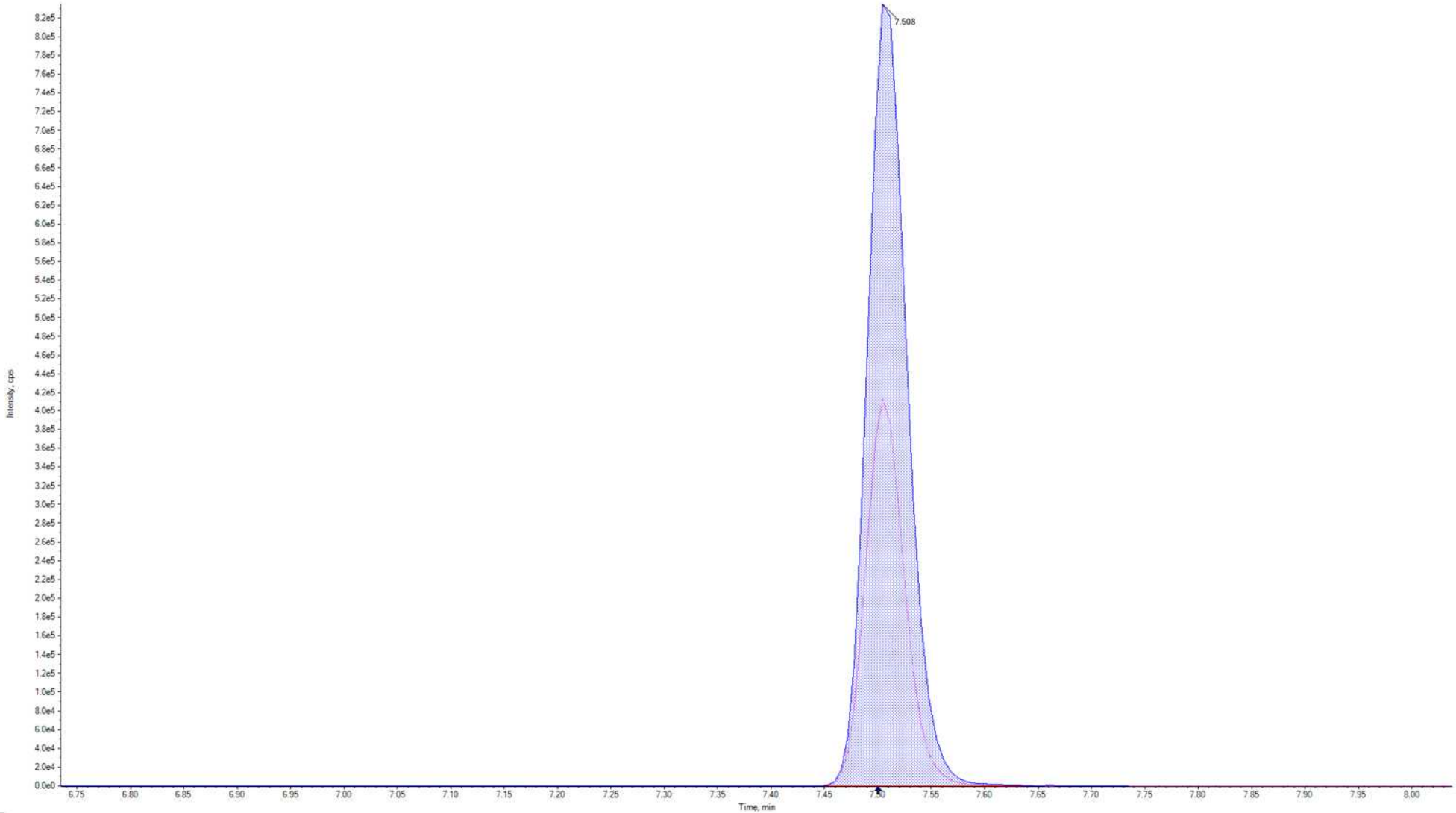
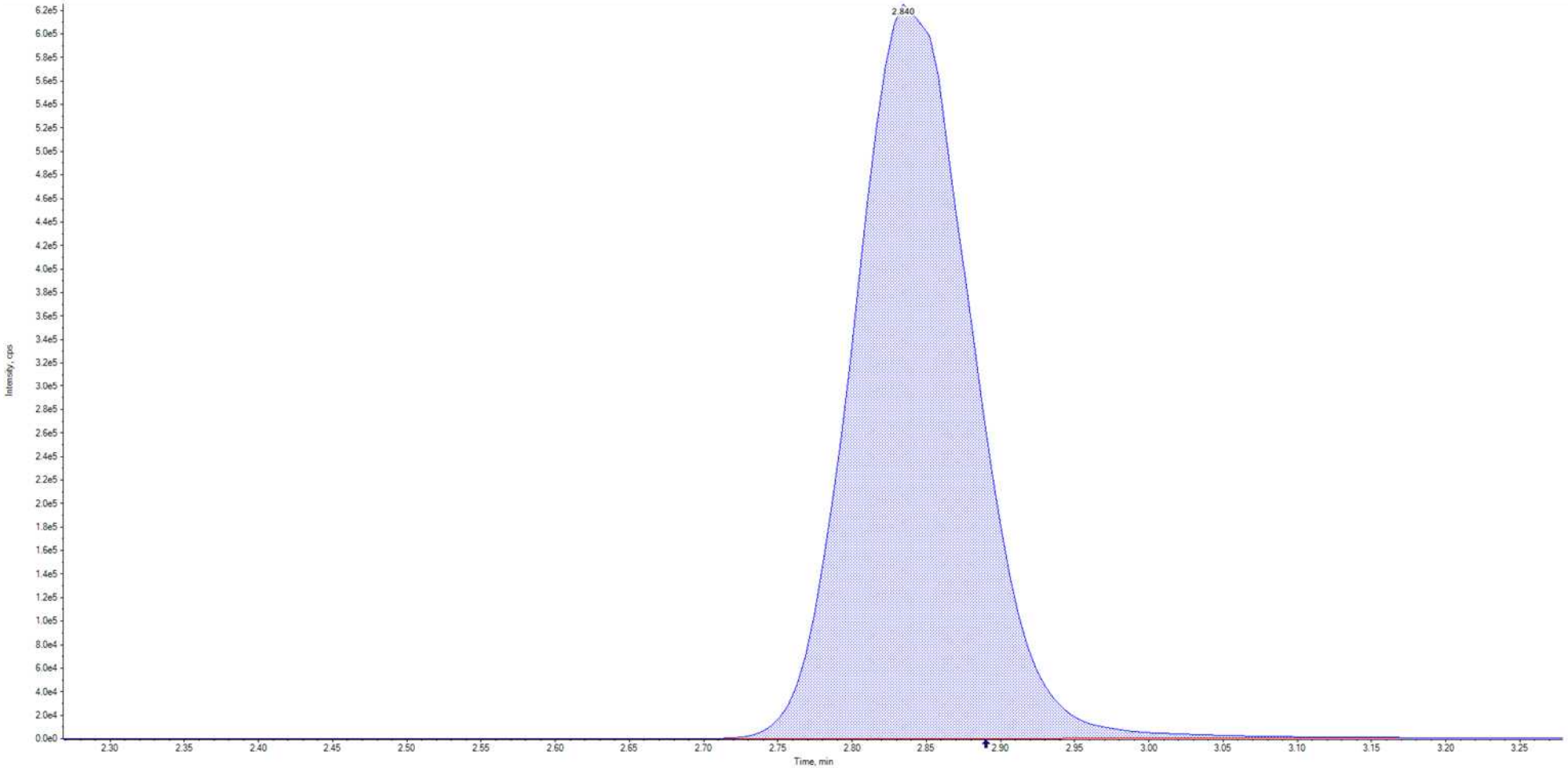
13C2-PFOA
Sample: WG1972930-2,1633LOW S/N:11525.0 Points Across peak:31



13C4-PFBA
Sample: WG1972930-2,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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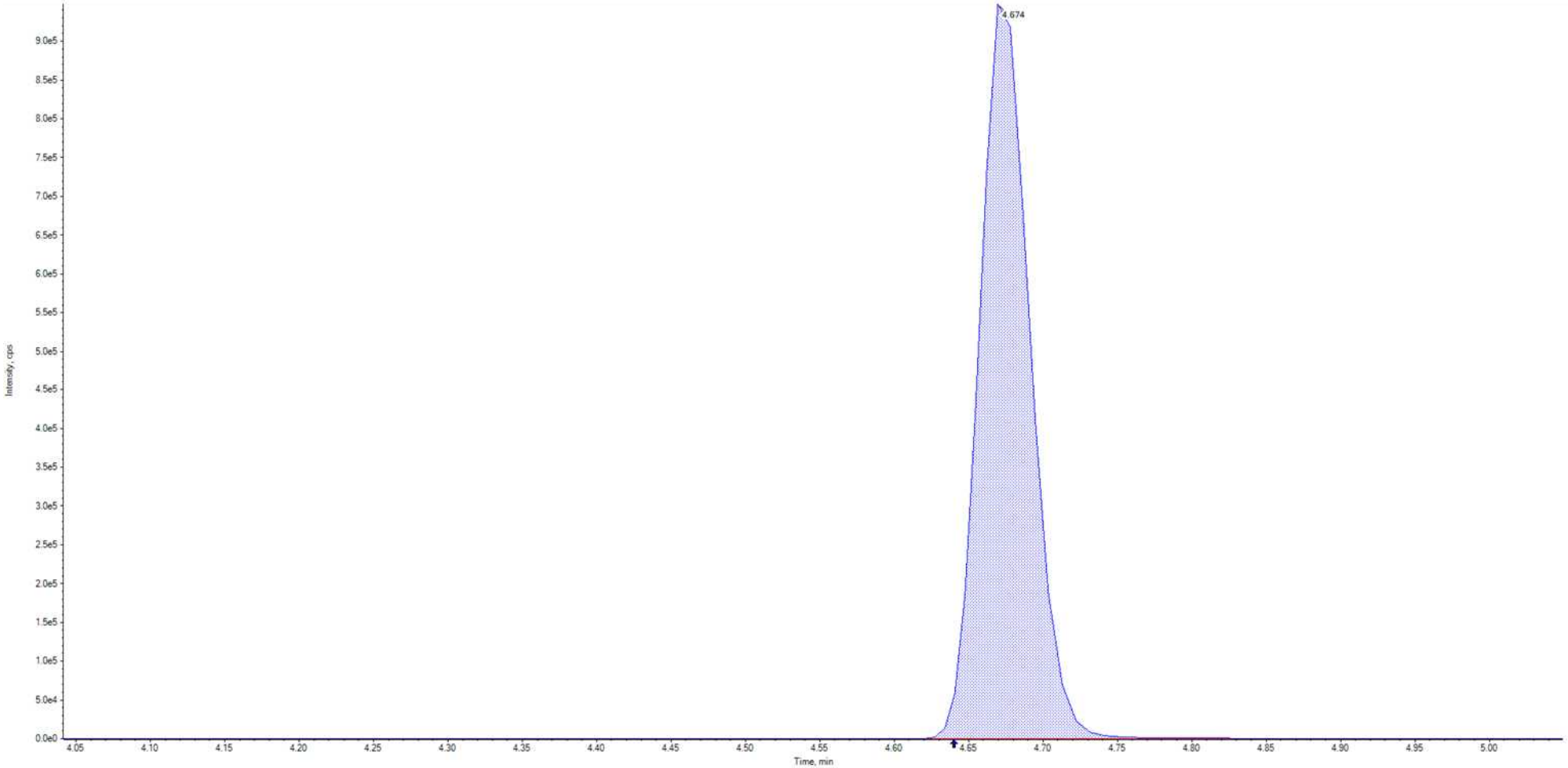
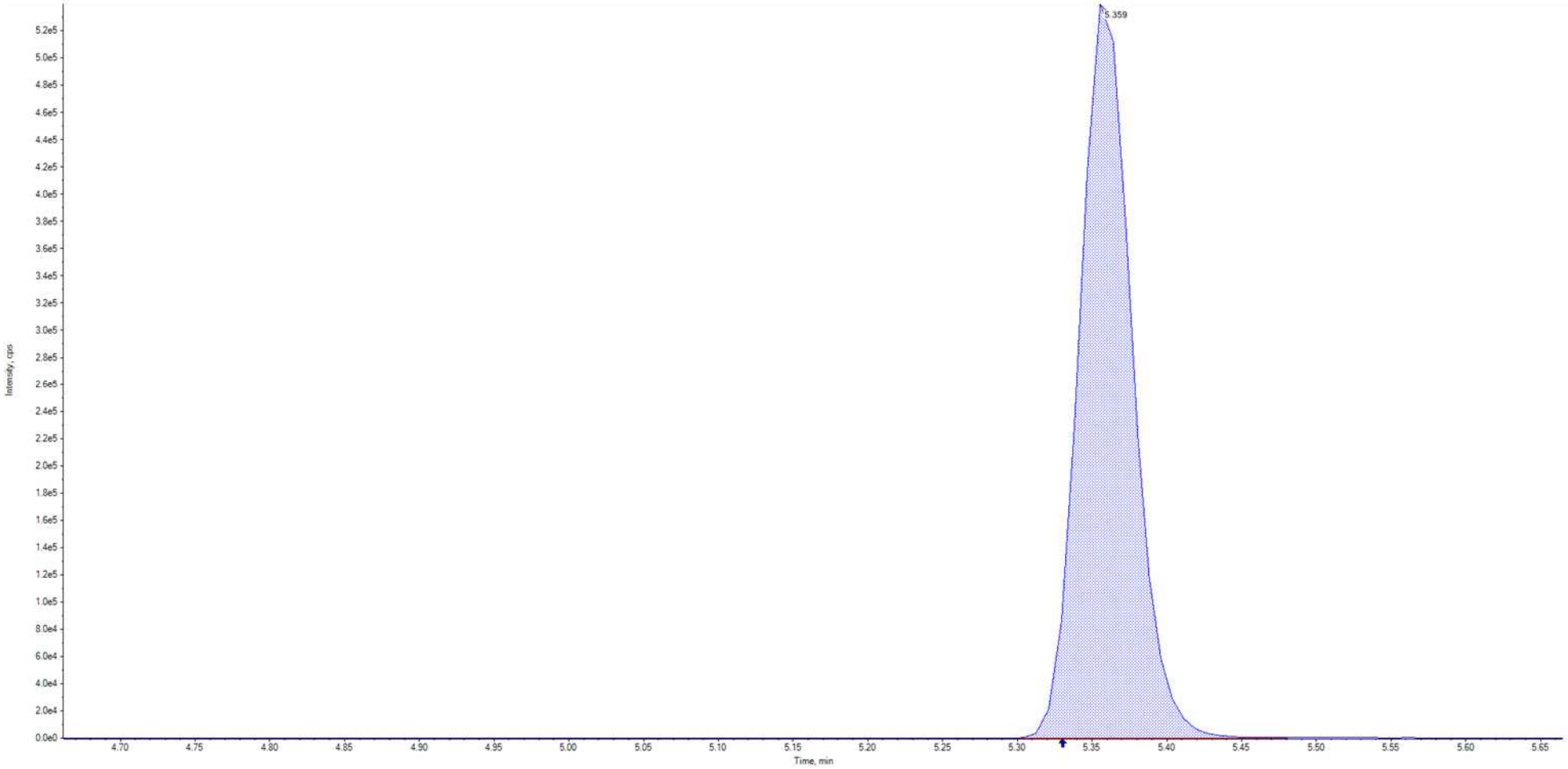
Generated: 9/18/2024 6:35:36 AM

13C5-PFPeA
Sample: WG1972930-2,1633LOW



13C5-PFHxA
Sample: WG1972930-2,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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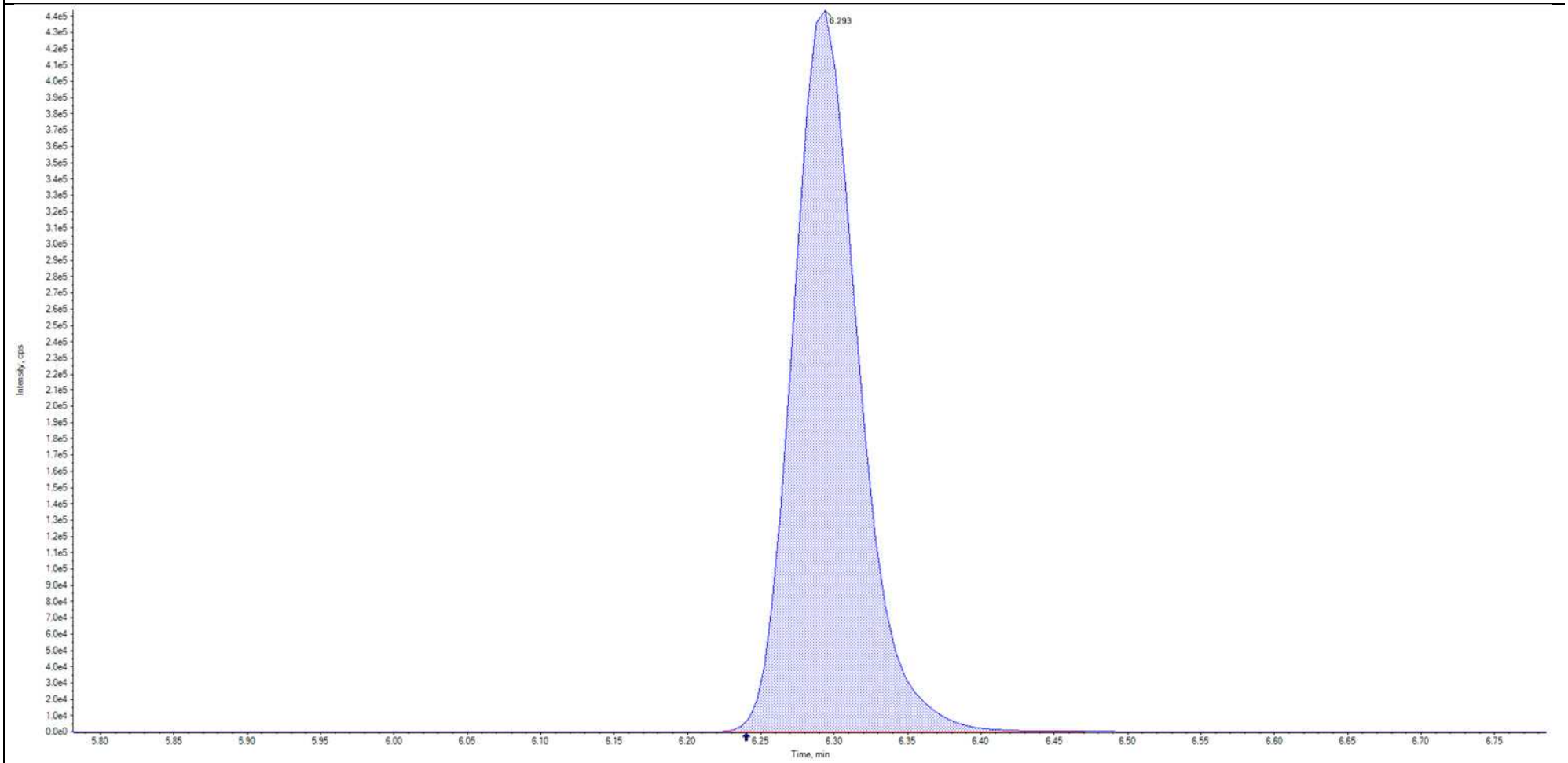
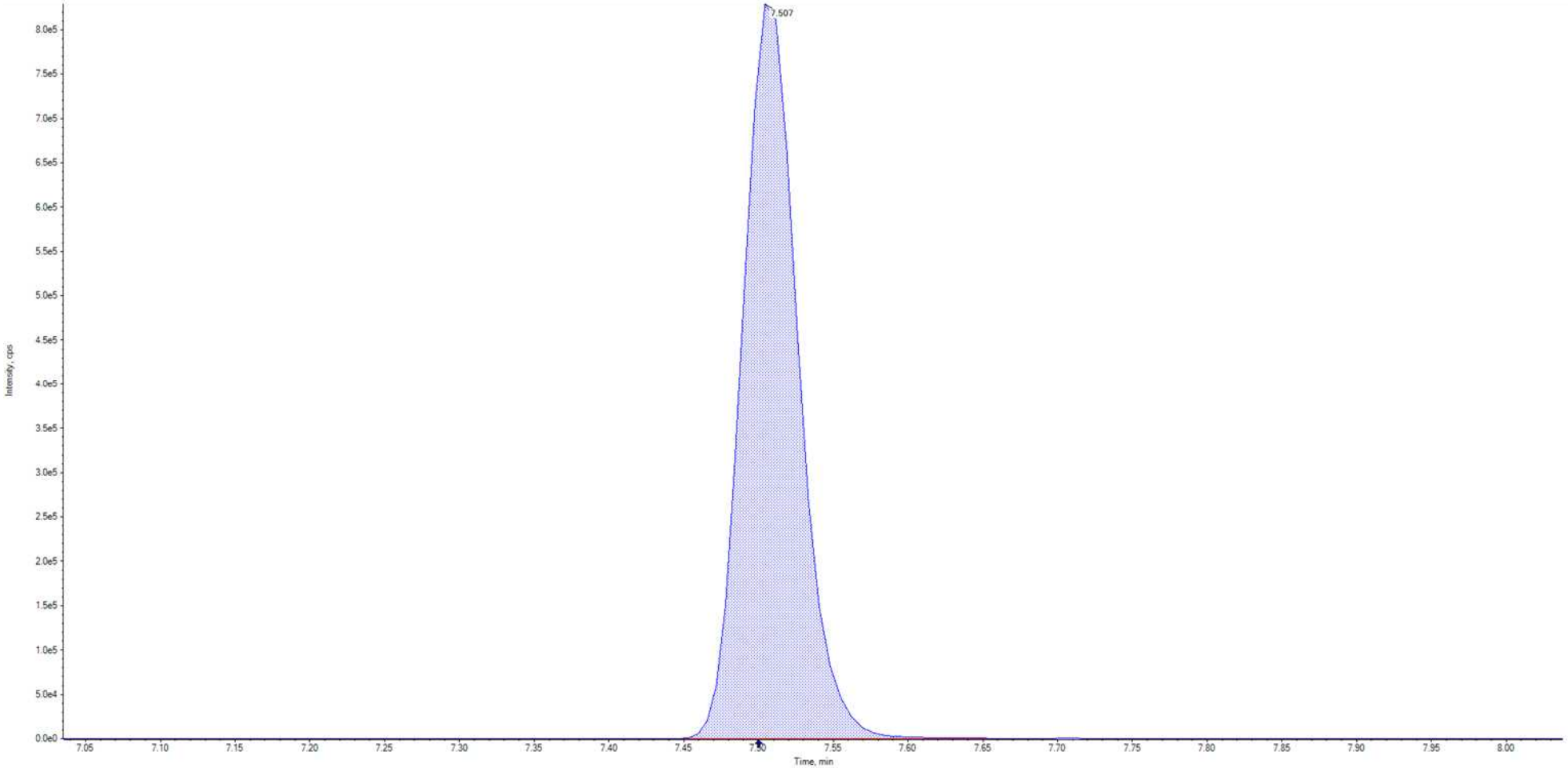
Generated: 9/18/2024 6:35:36 AM

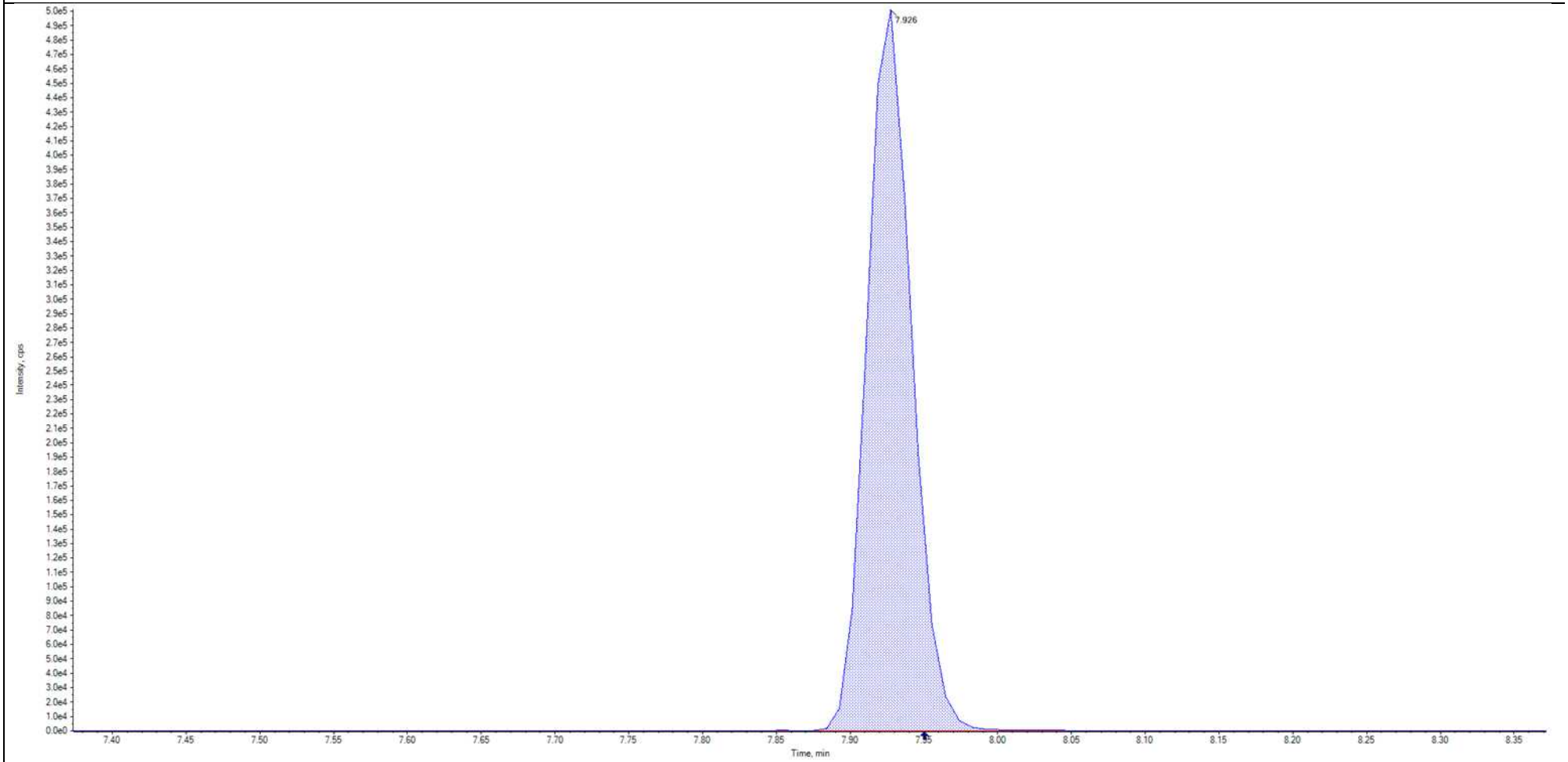
13C4-PFHpA
Sample: WG1972930-2,1633LOW



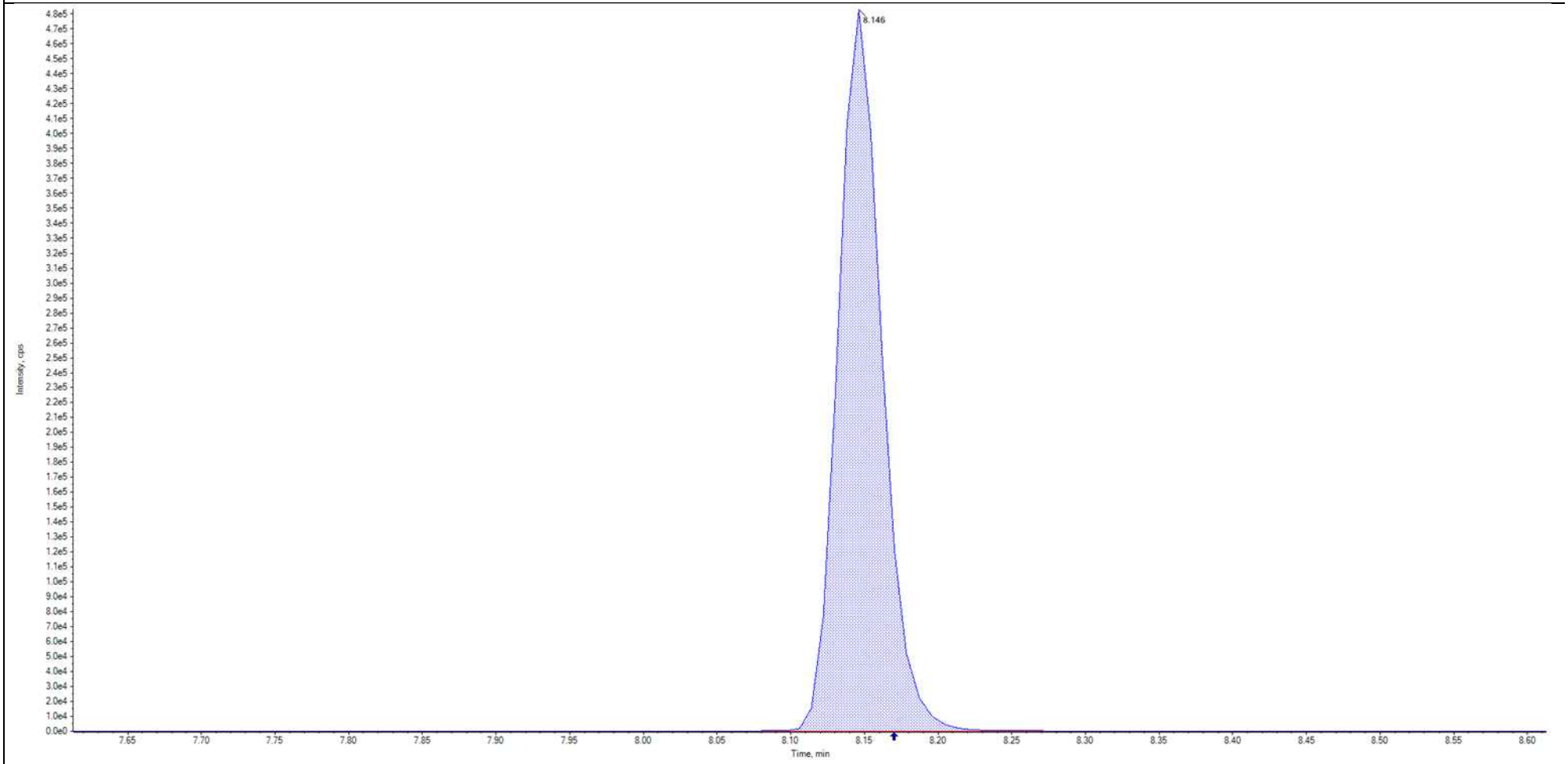
13C8-PFOA
Sample: WG1972930-2,1633LOW



13C9-PFNA
Sample: WG1972930-2,1633LOW



13C6-PFDA
Sample: WG1972930-2,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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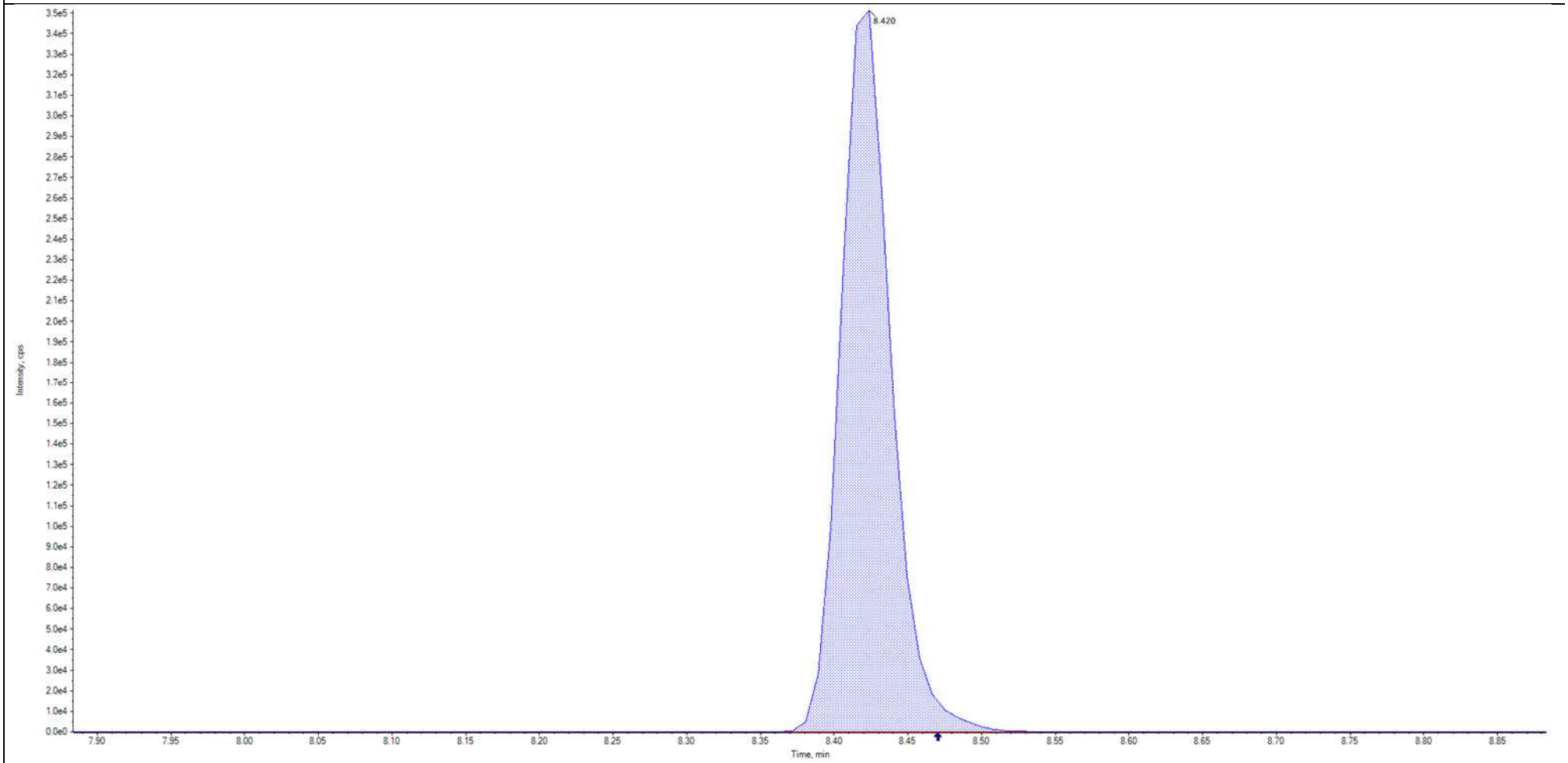
Generated: 9/18/2024 6:35:36 AM

13C7-PFUnA
Sample: WG1972930-2,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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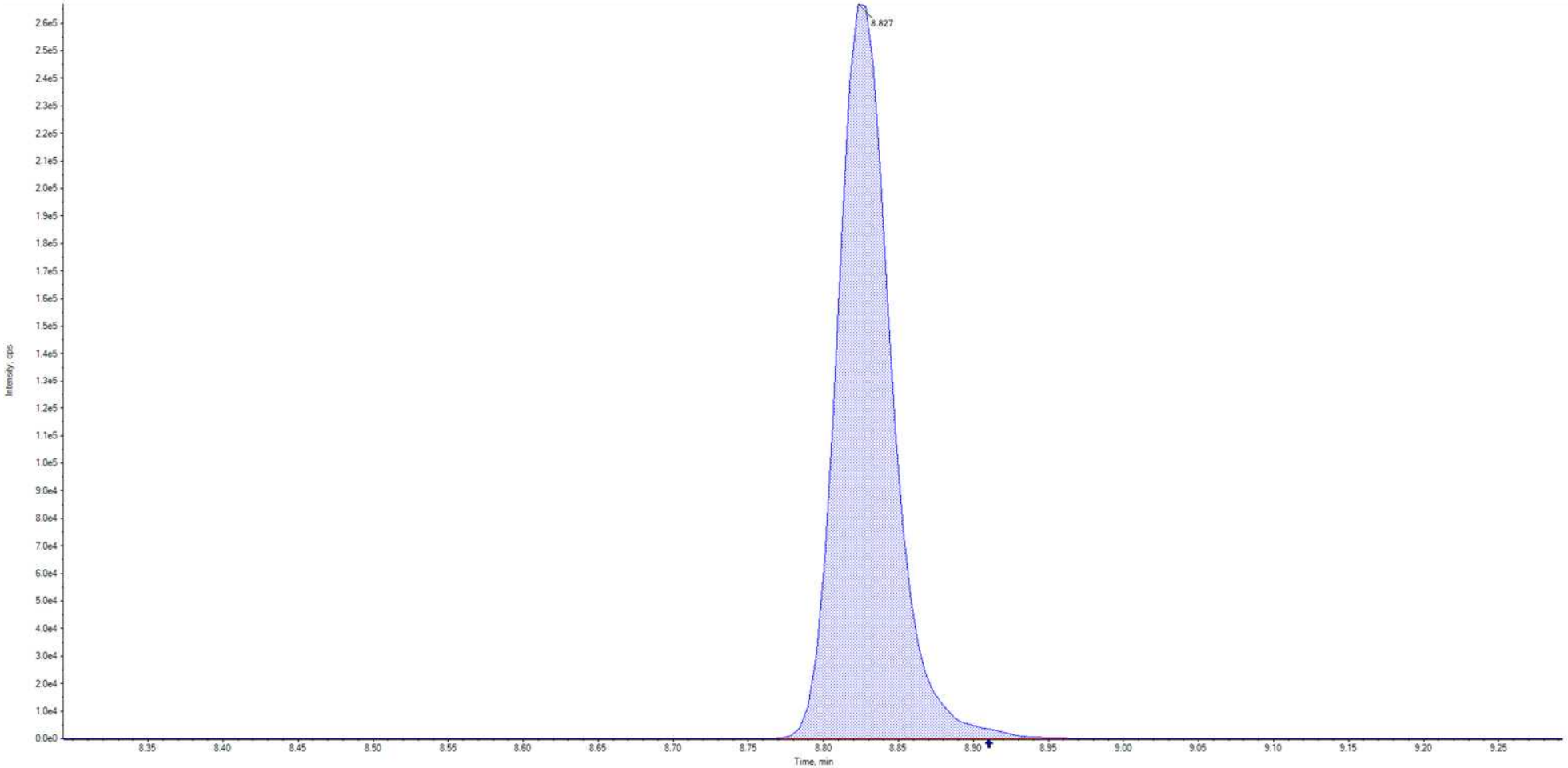
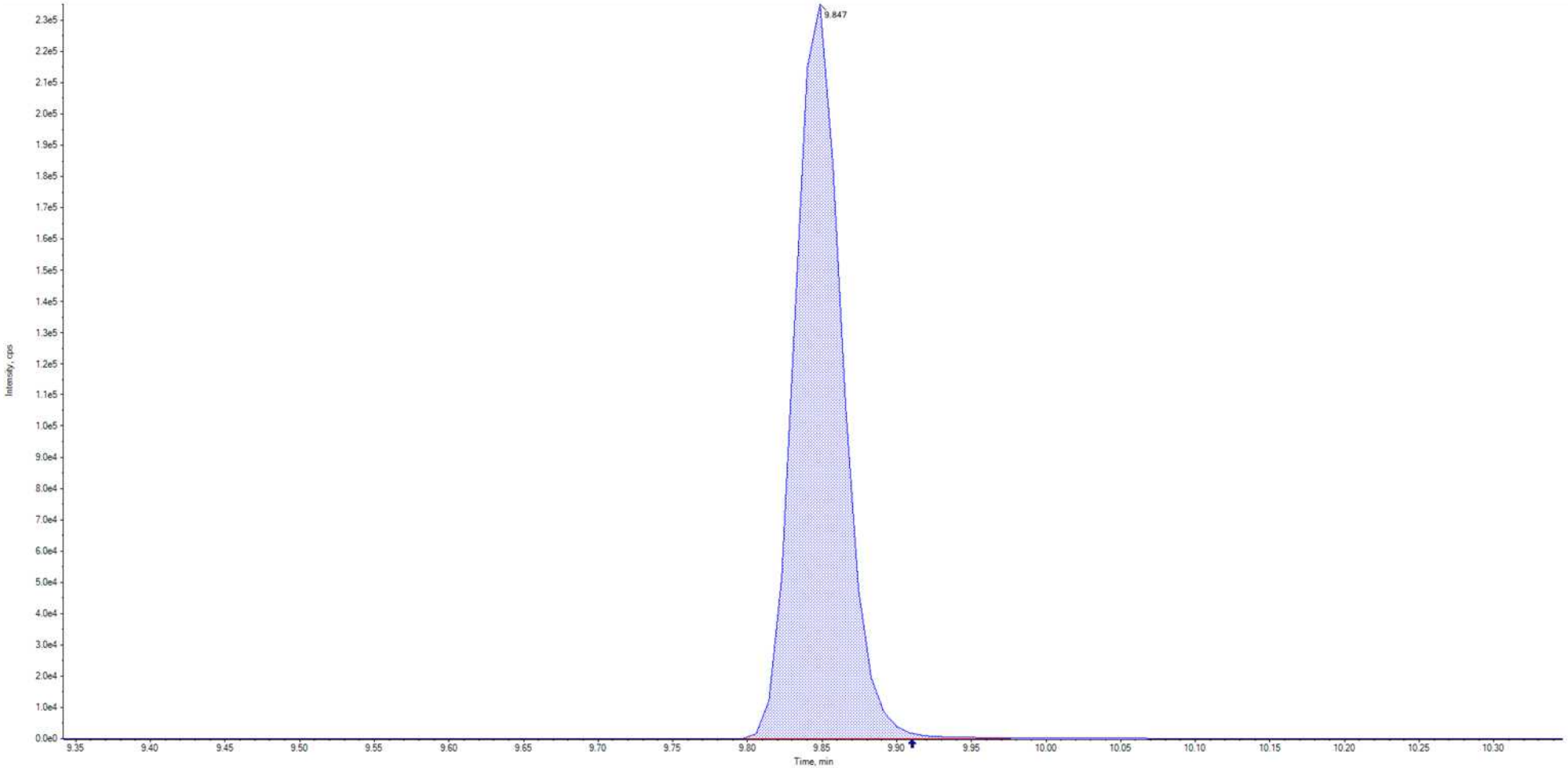
Generated: 9/18/2024 6:35:36 AM

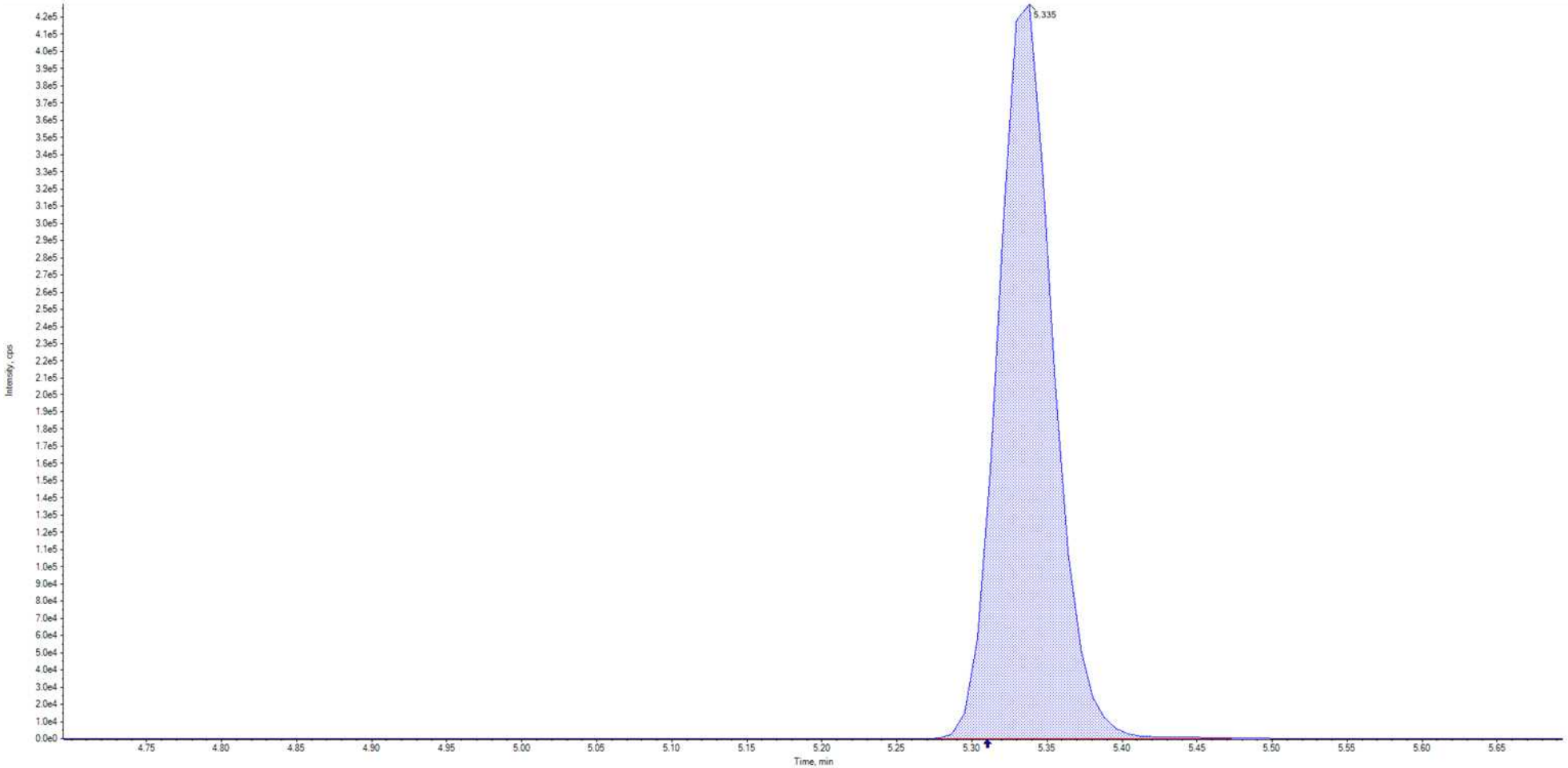
13C2-PFDoA
Sample: WG1972930-2,1633LOW



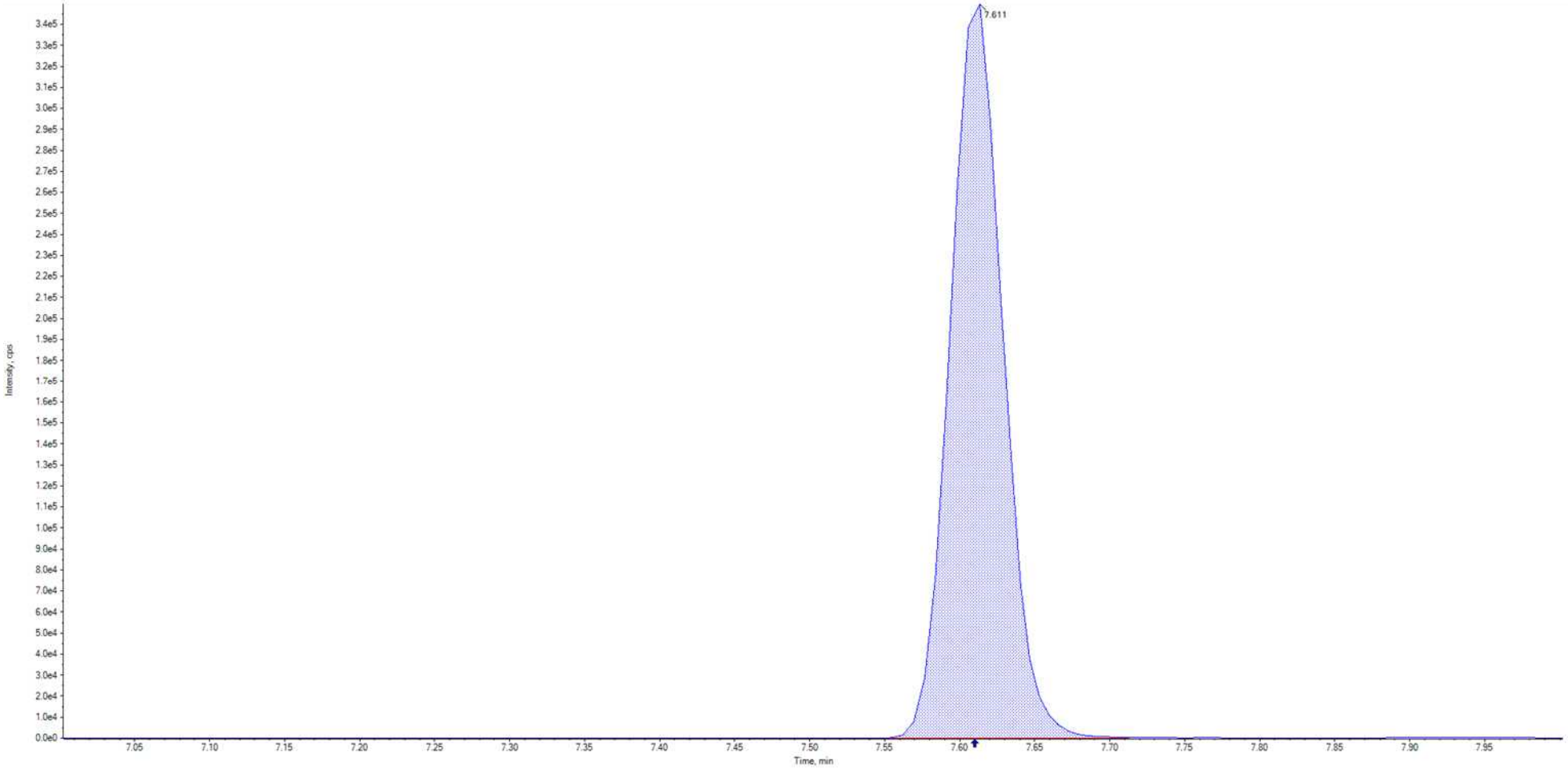
13C2-PFTeDA
Sample: WG1972930-2,1633LOW



13C3-PFBS
Sample: WG1972930-2,1633LOW



13C3-PFHxS
Sample: WG1972930-2,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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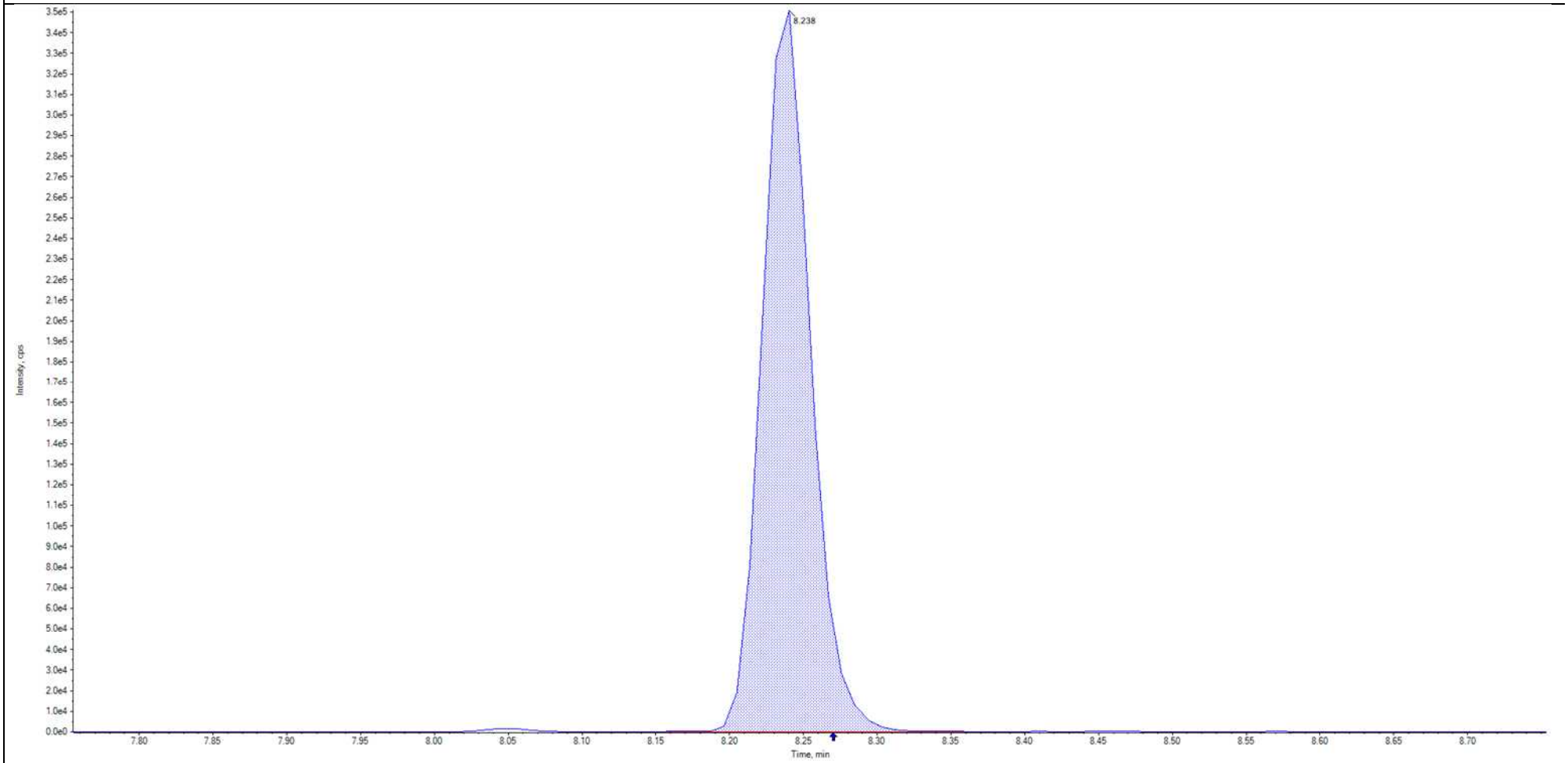
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C8-PFOS
Sample: WG1972930-2,1633LOW



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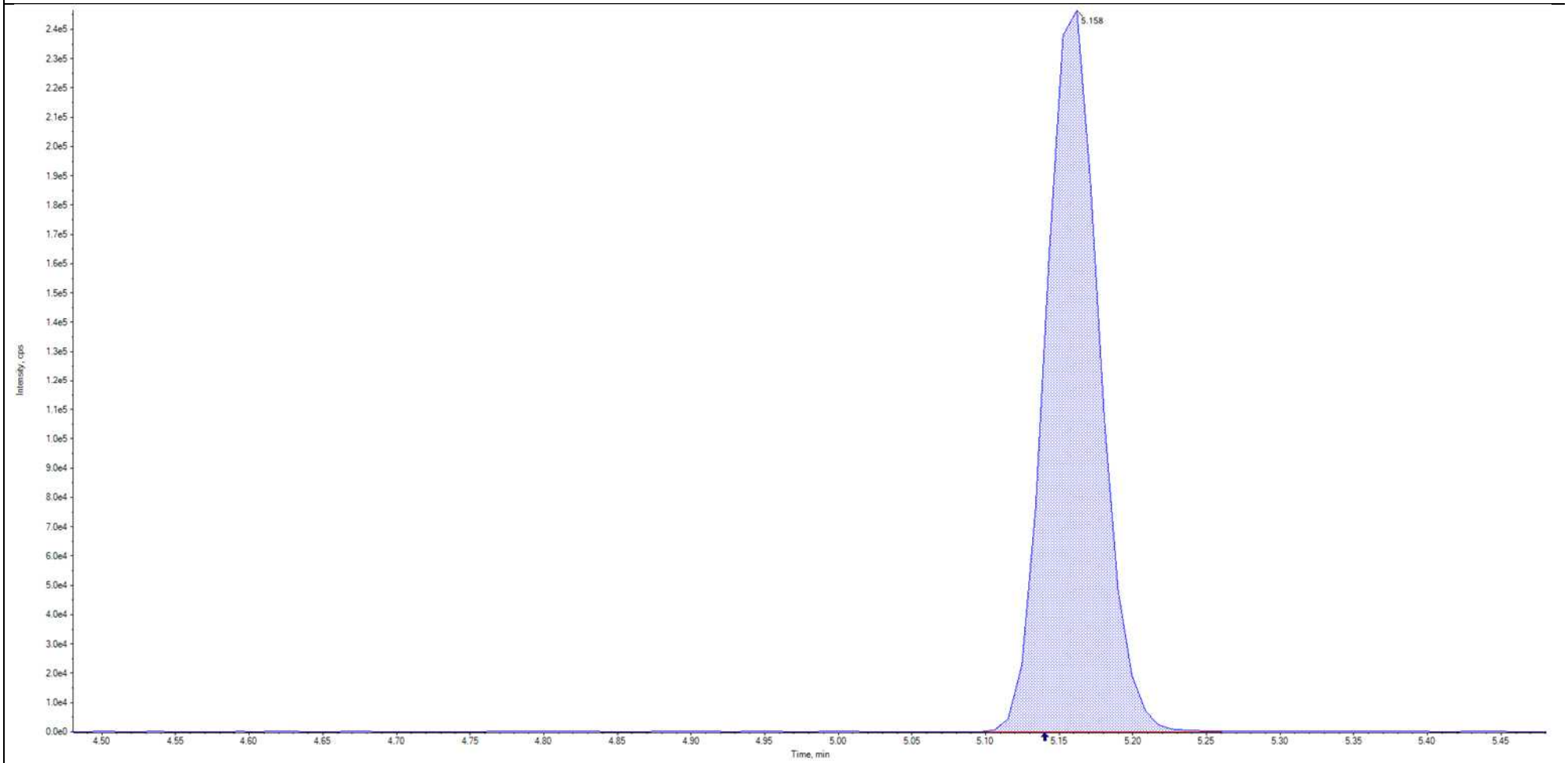
13C2-4:2FTS
Sample: WG1972930-2,1633LOW



13C2-6:2FTS
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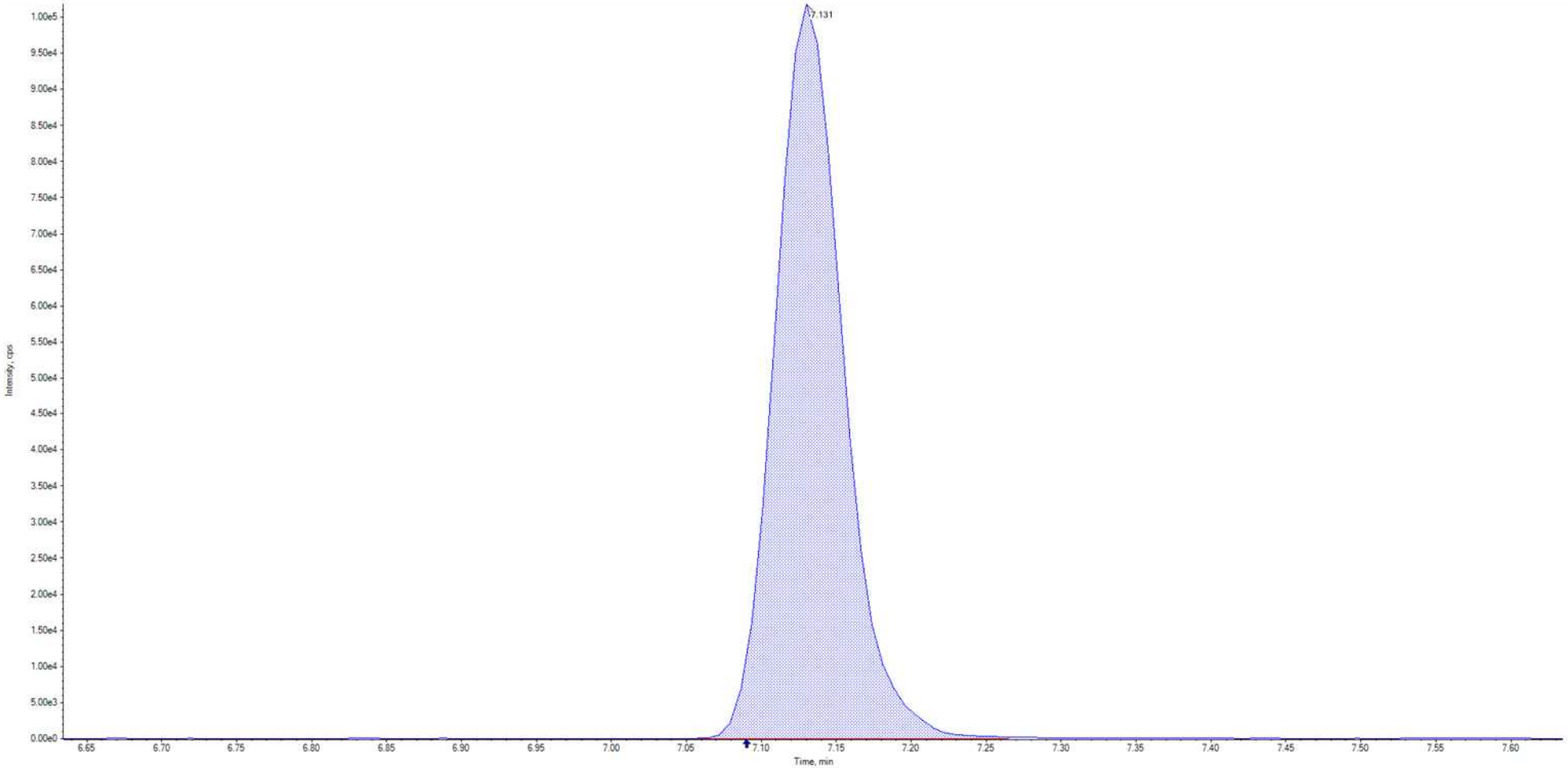

13C2-8:2FTS
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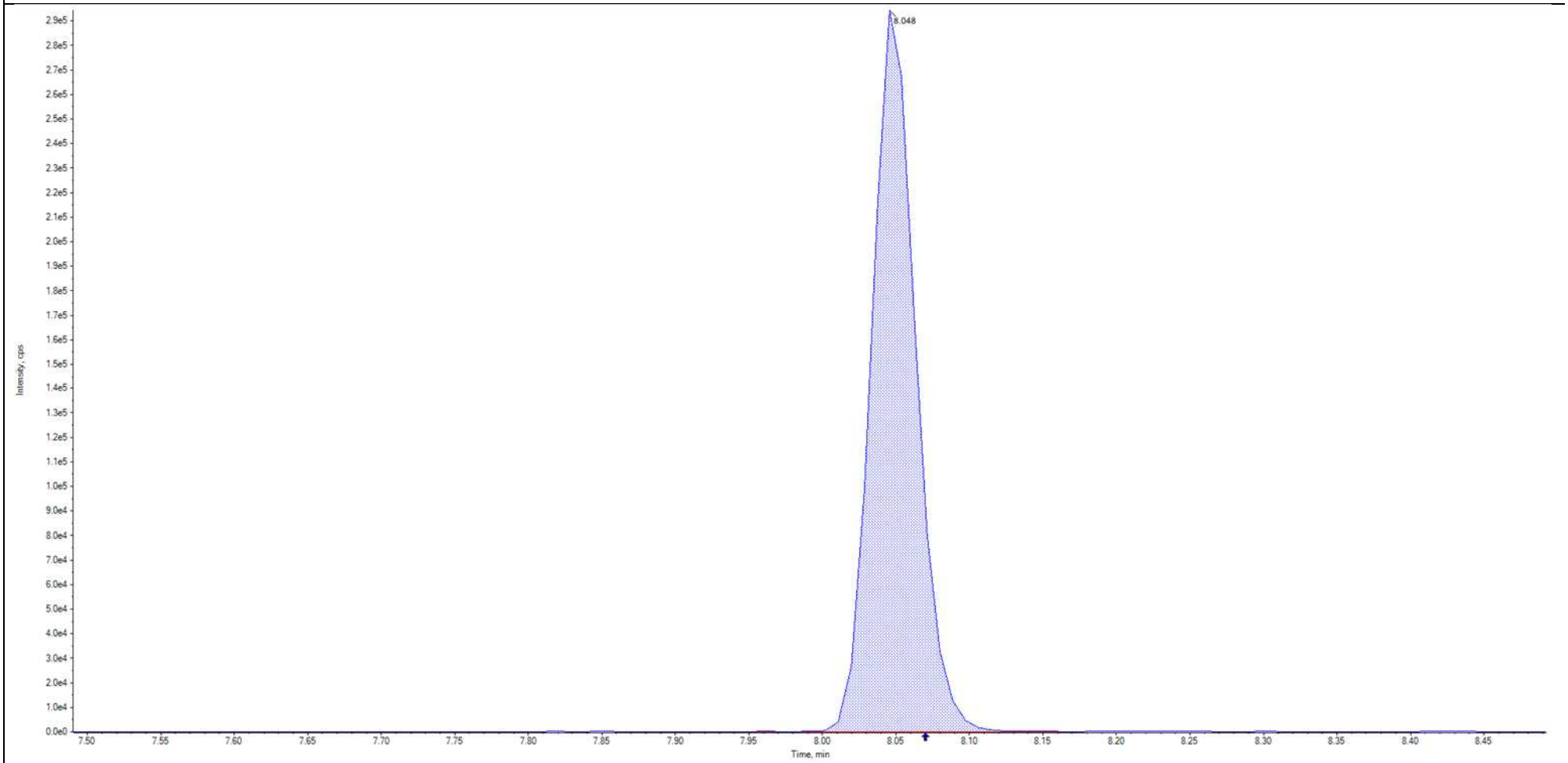
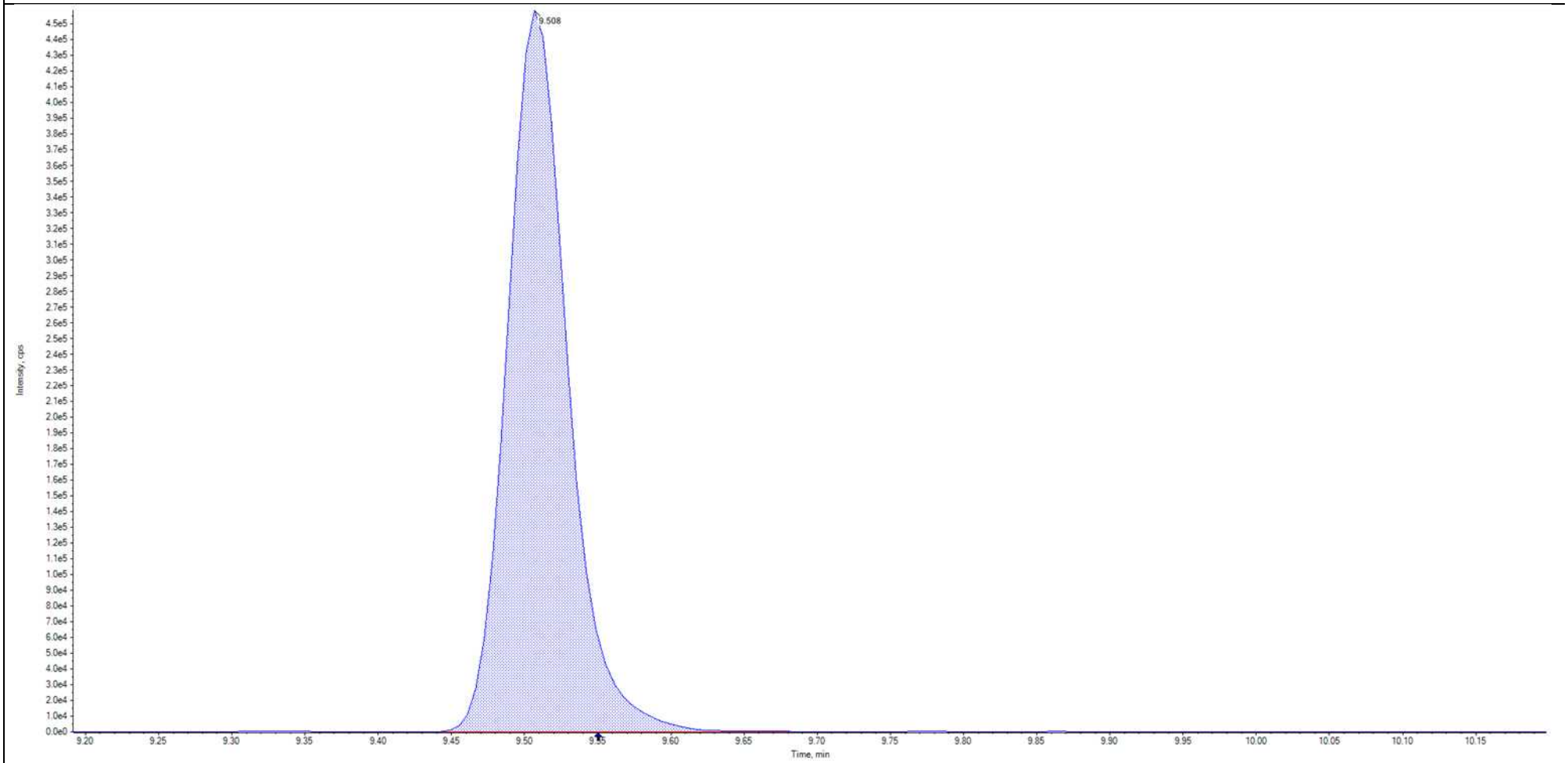
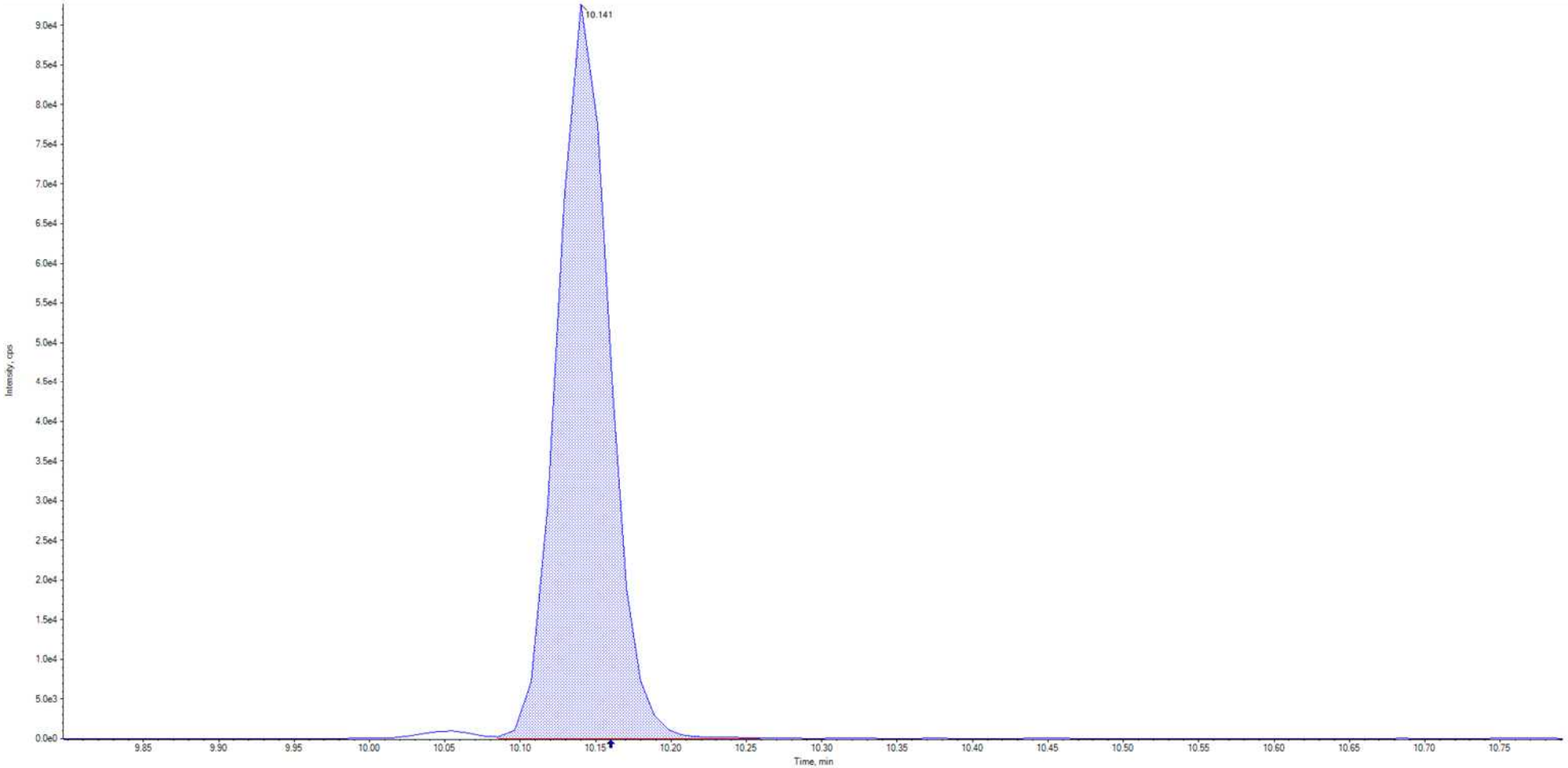


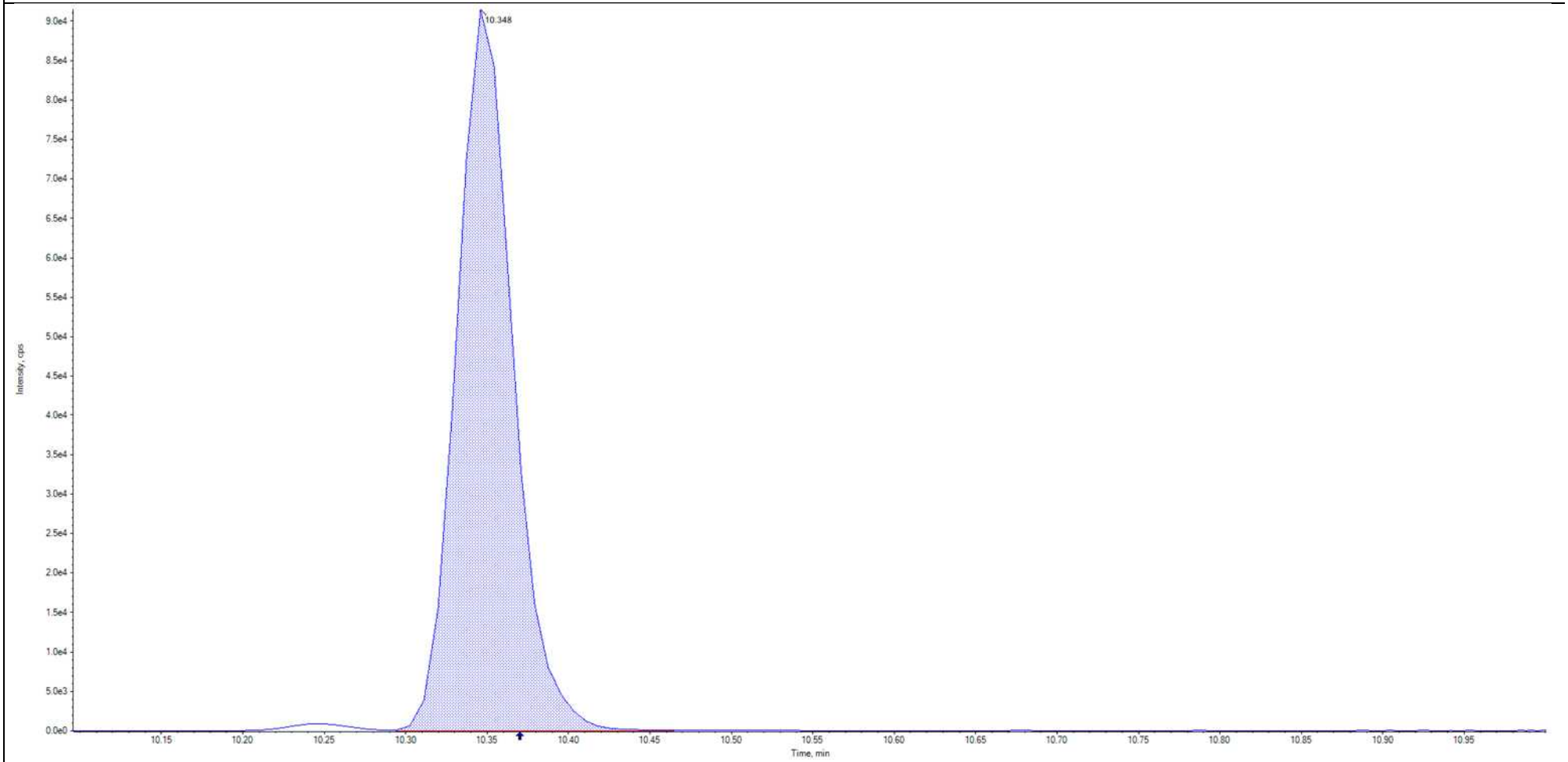
13C8-PFOSA
Sample: WG1972930-2,1633LOW



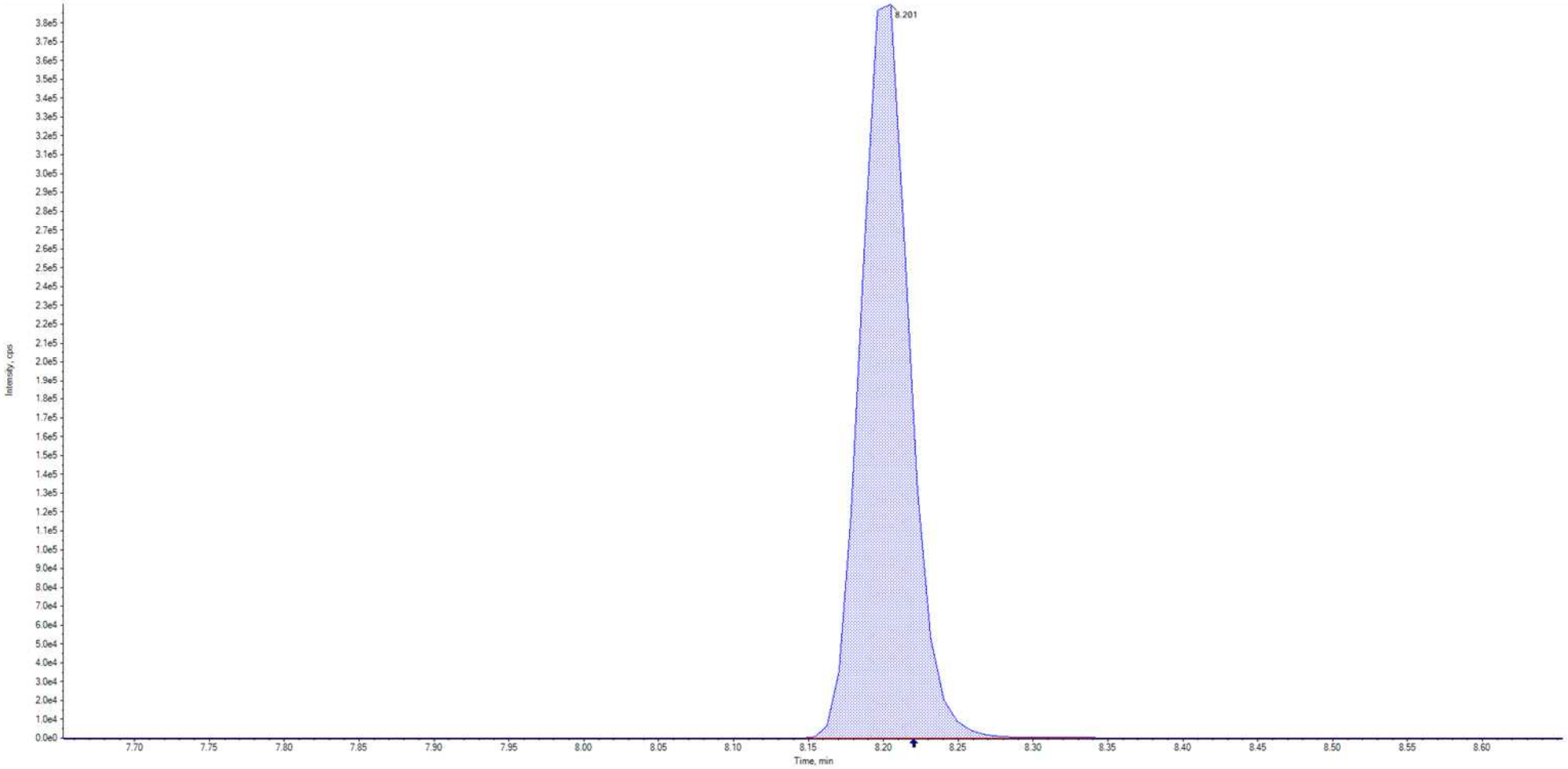
d3-NMeFOSA
Sample: WG1972930-2,1633LOW



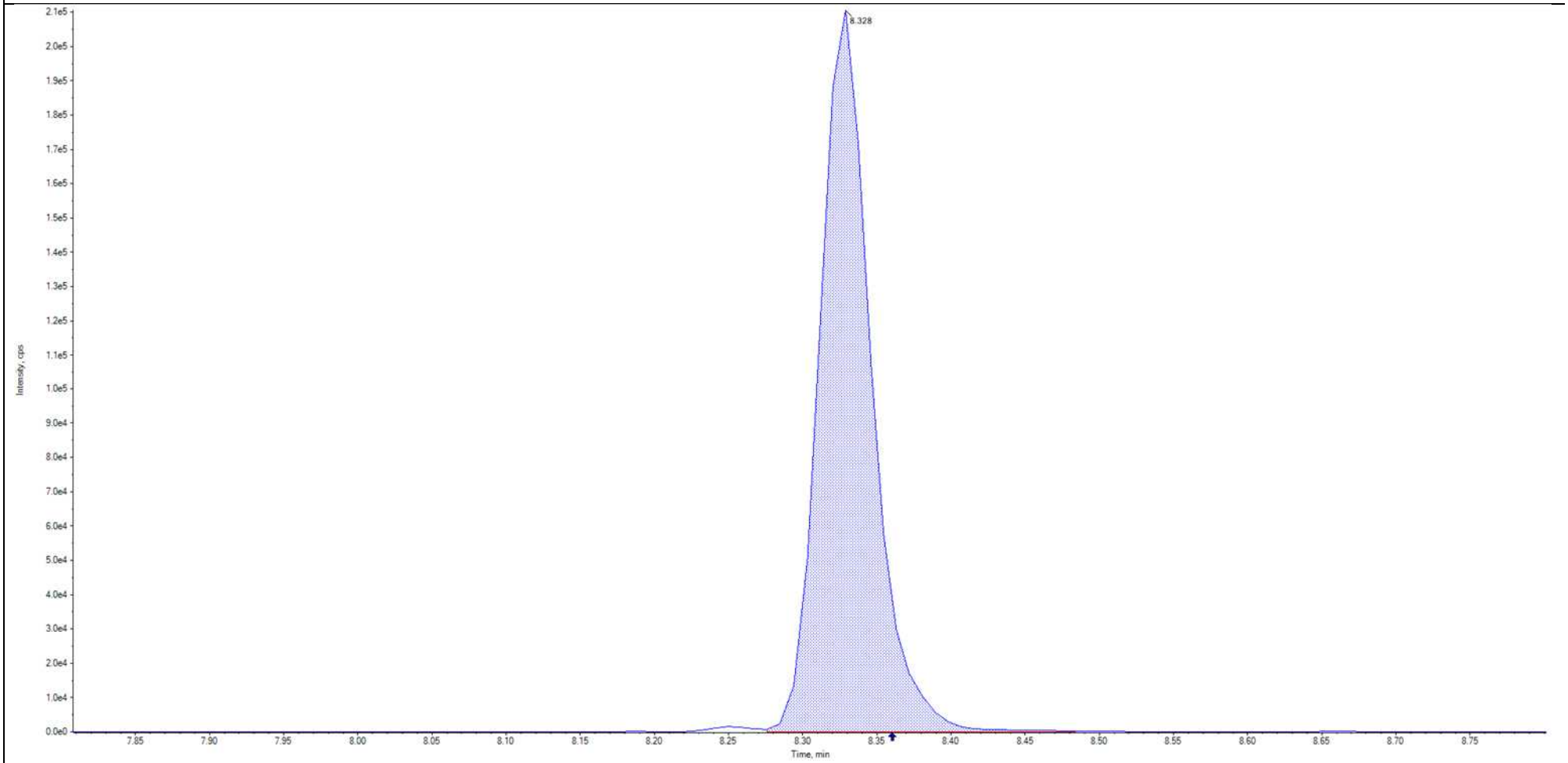
d5-NEtFOSA
Sample: WG1972930-2,1633LOW



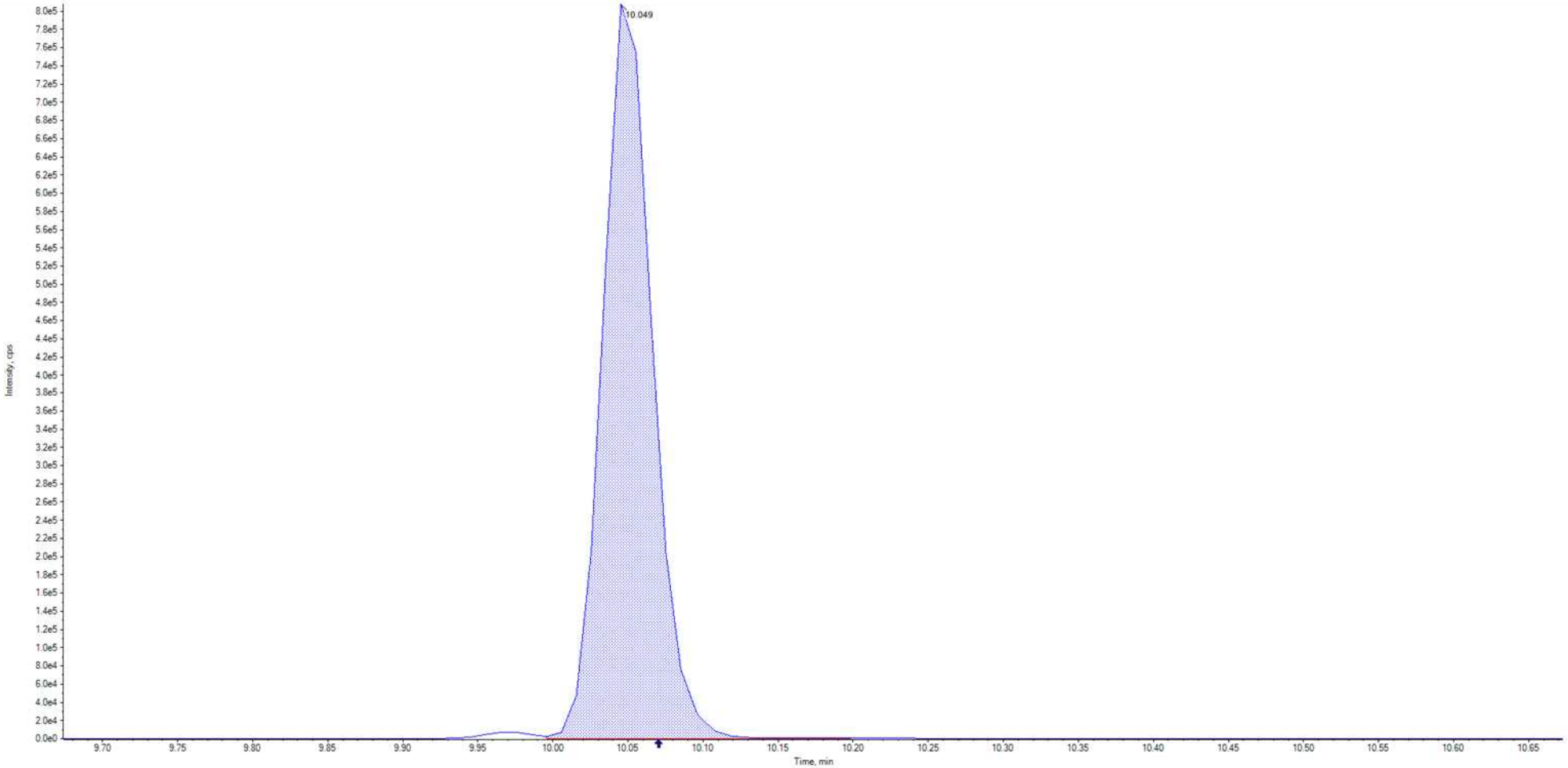
d3-NMeFOSAA
Sample: WG1972930-2,1633LOW



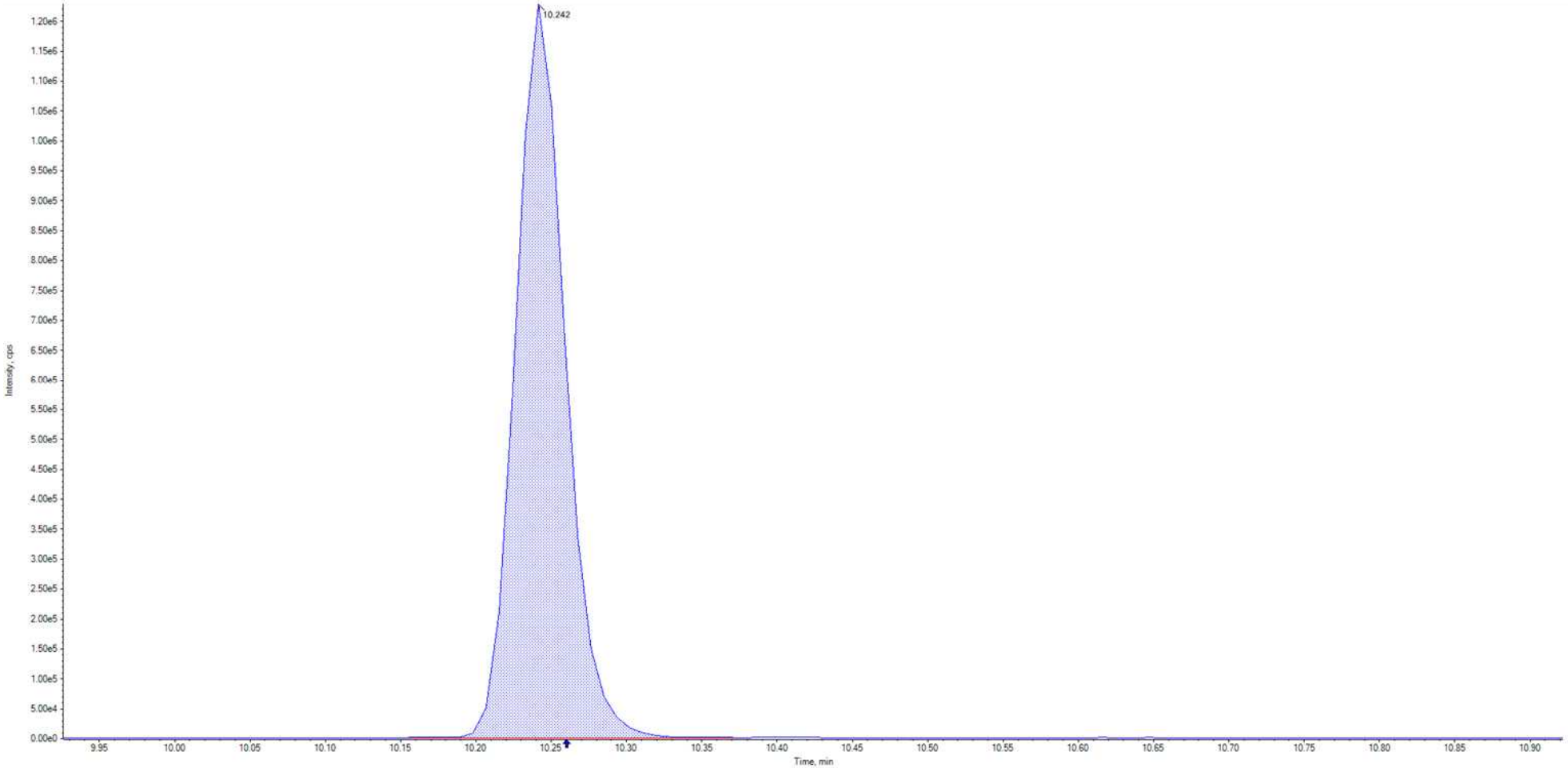
d5-NEtFOSAA
Sample: WG1972930-2,1633LOW



d7-NMeFOSE
Sample: WG1972930-2,1633LOW



d9-NEtFOSE
Sample: WG1972930-2,1633LOW



13C3-HFPO-DA
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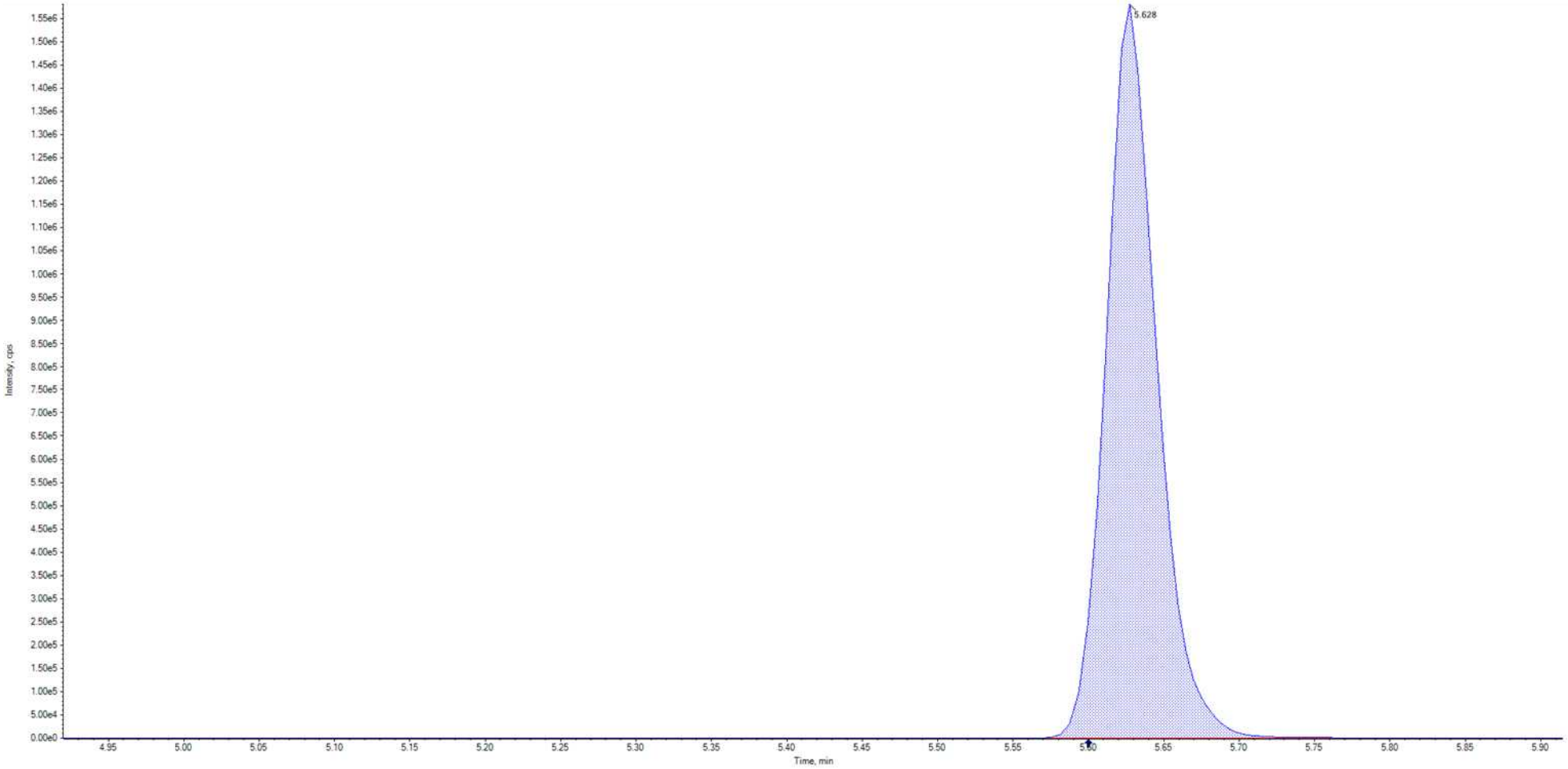
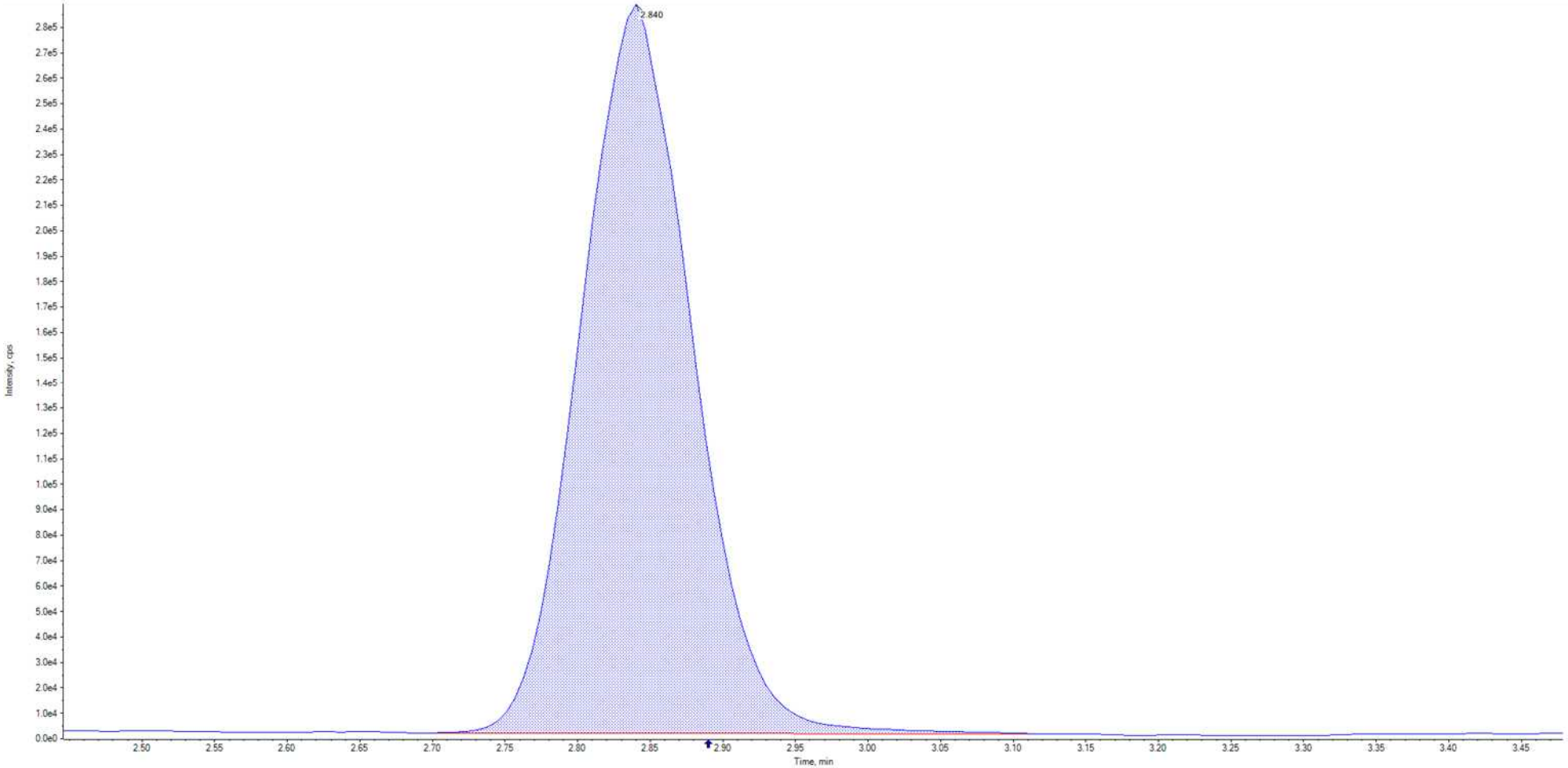
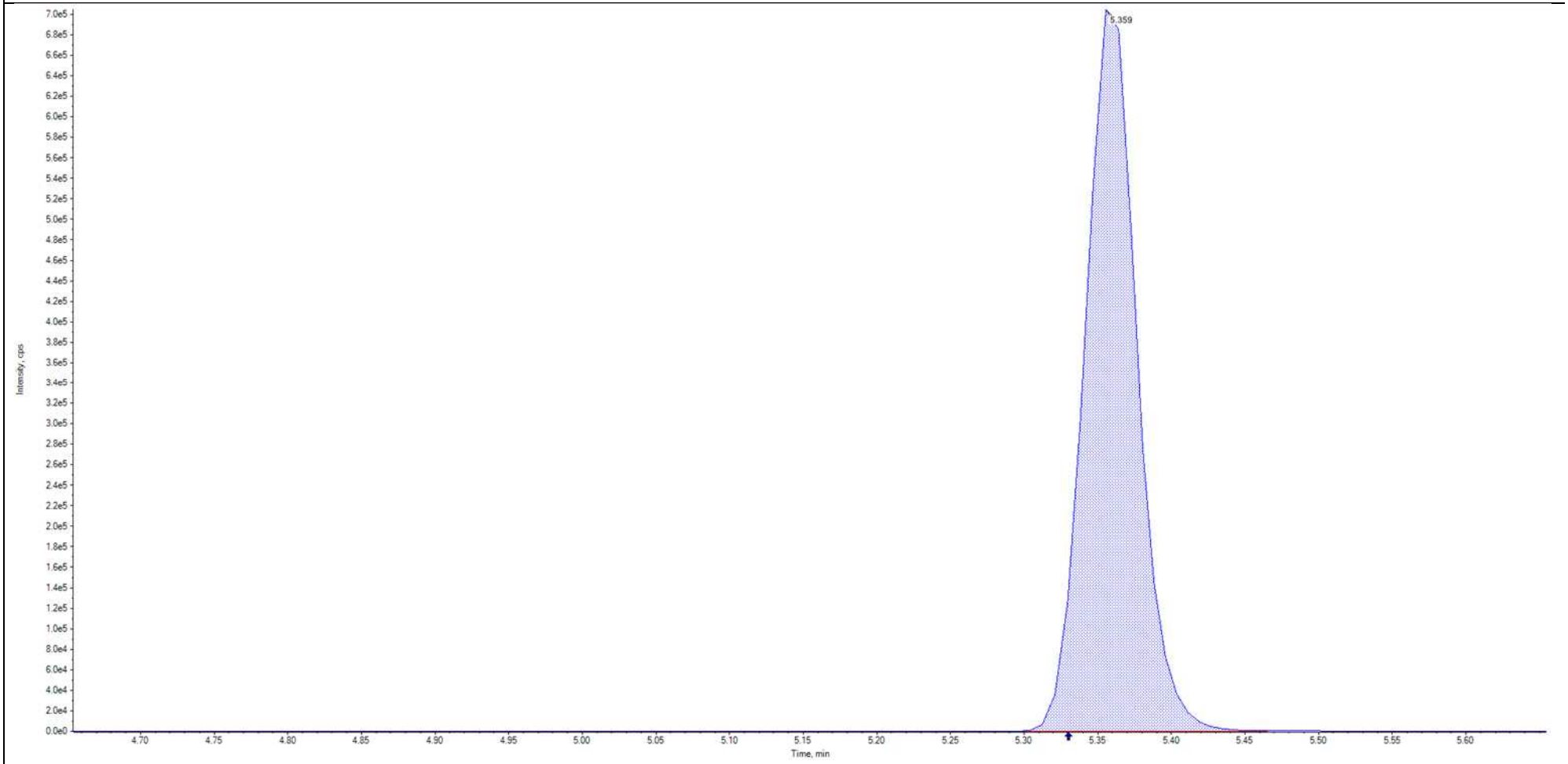


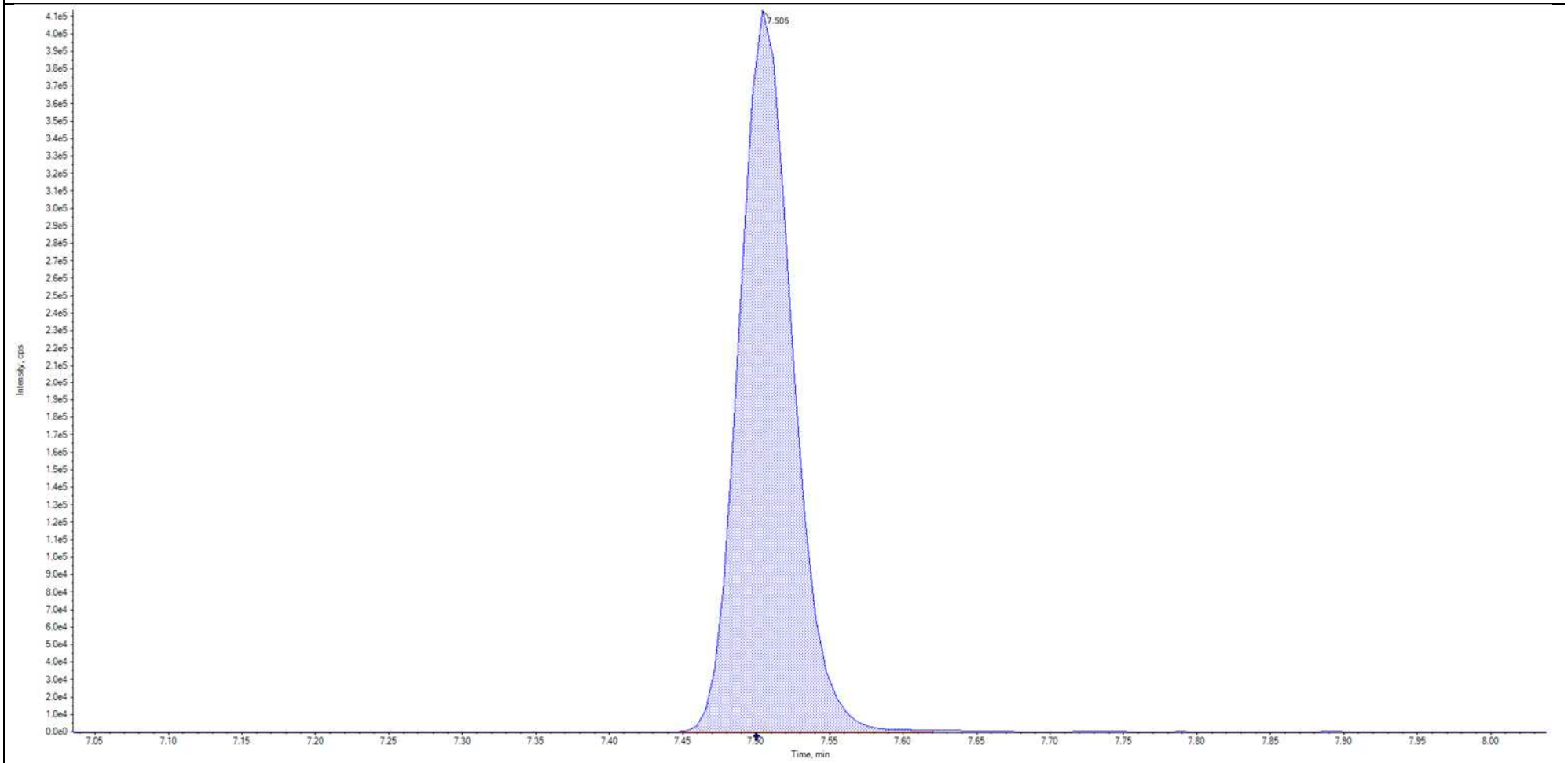
13C3-PFBA
Sample: WG1972930-2,1633LOW



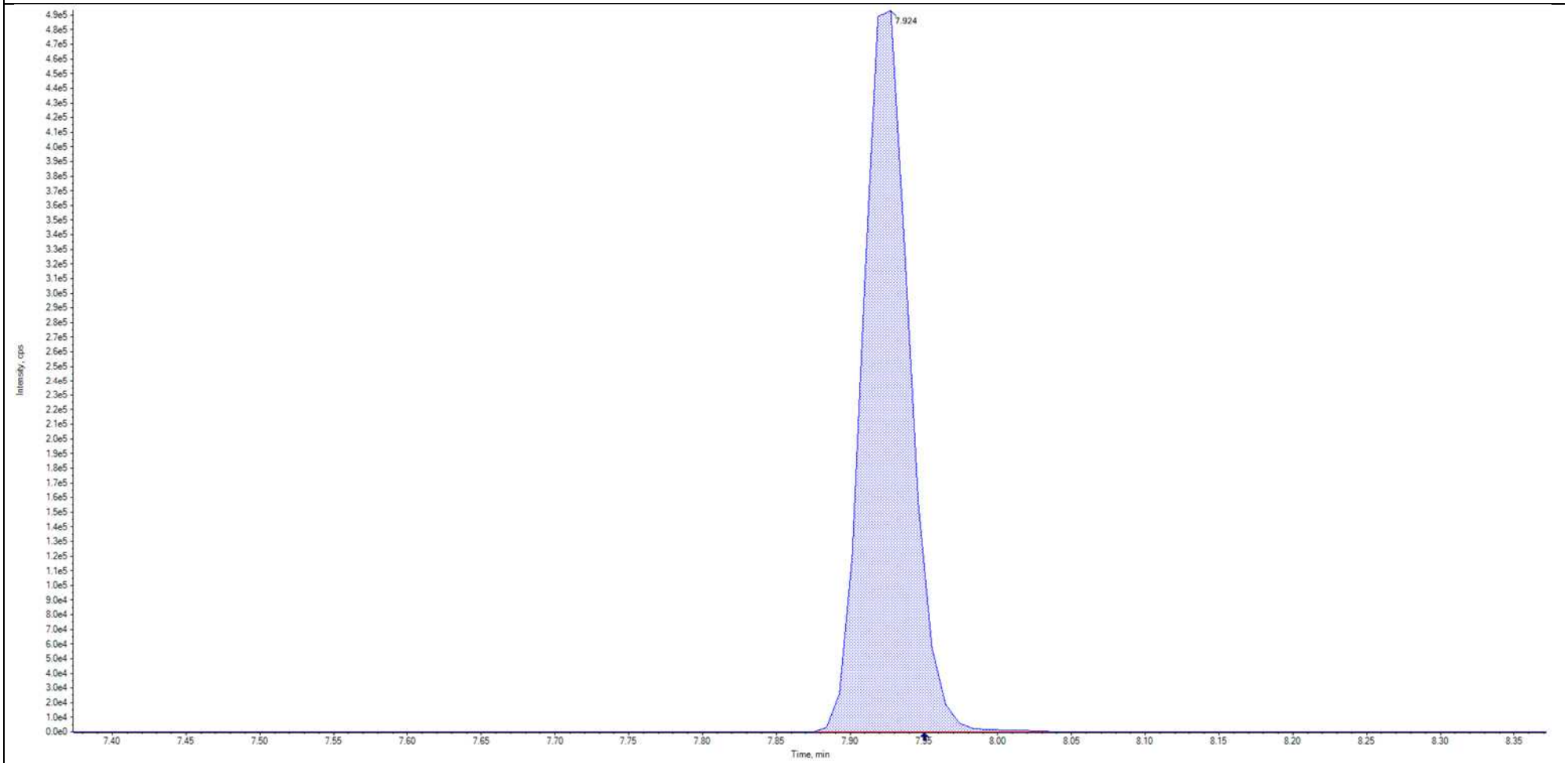
13C2-PFHxA
Sample: WG1972930-2,1633LOW



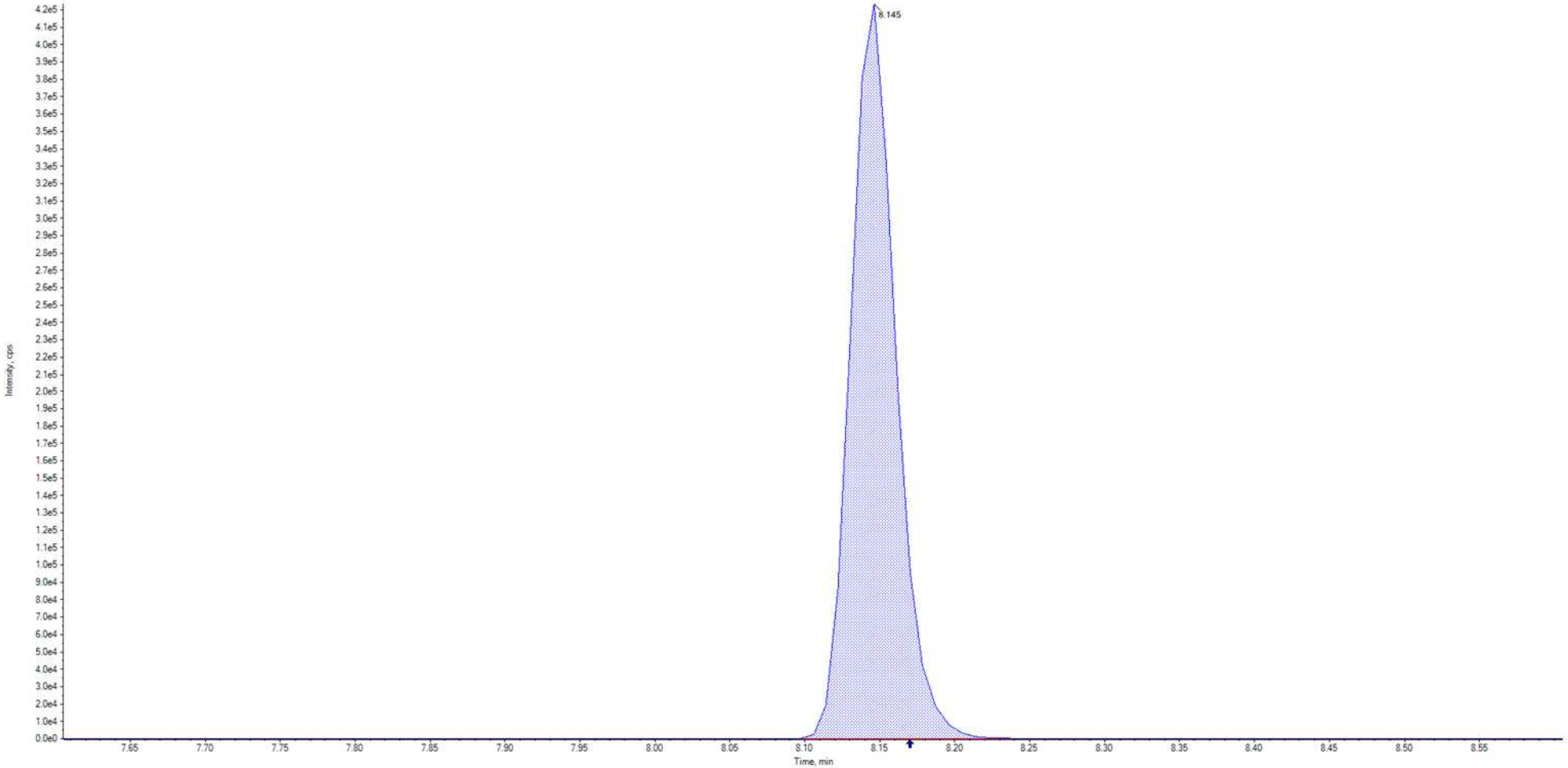
13C4-PFOA
Sample: WG1972930-2,1633LOW



13C5-PFNA
Sample: WG1972930-2,1633LOW



13C2-PFDA
Sample: WG1972930-2,1633LOW



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Alpha Analytical Inc.
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18O2-PFHxS
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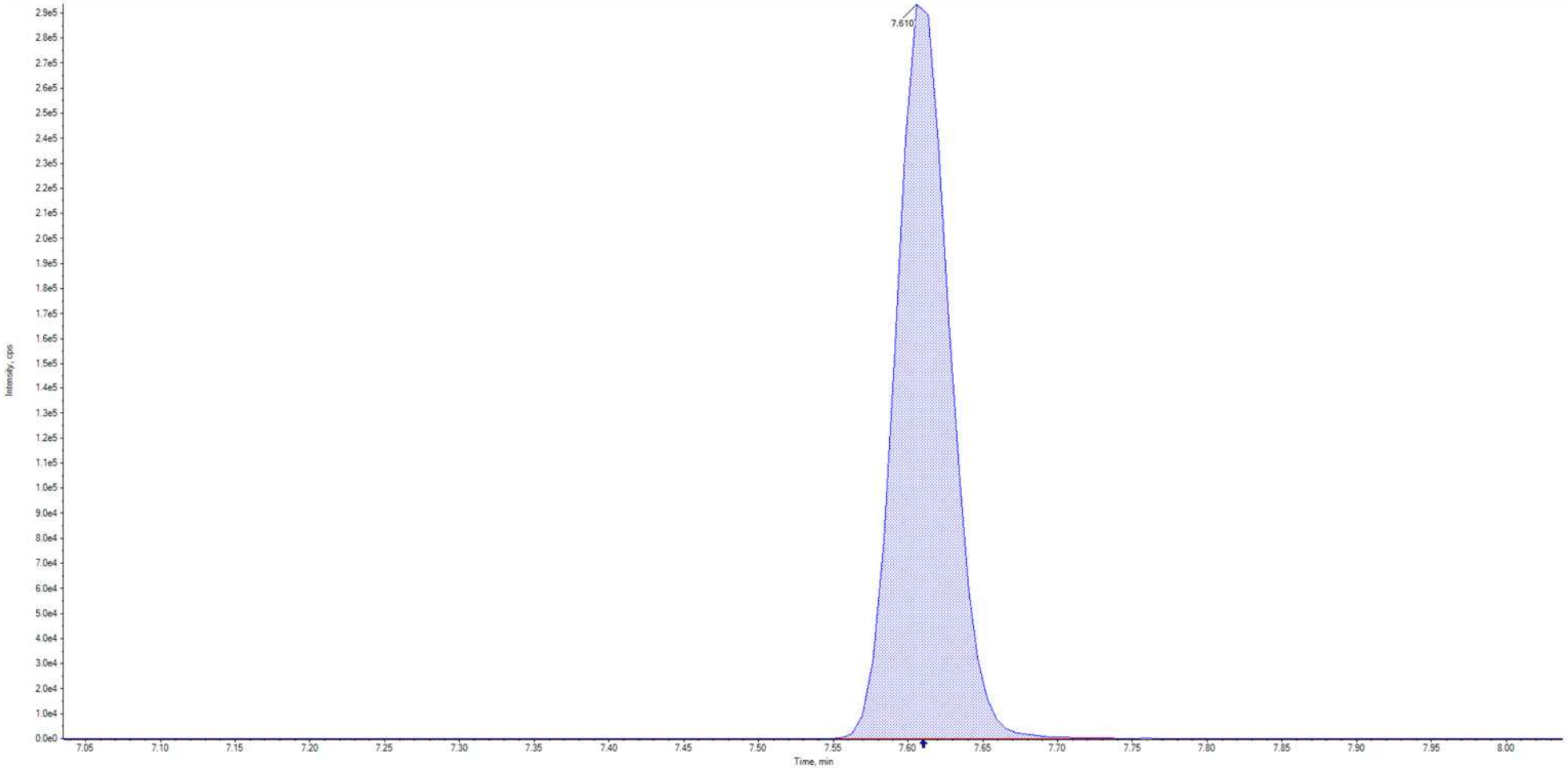

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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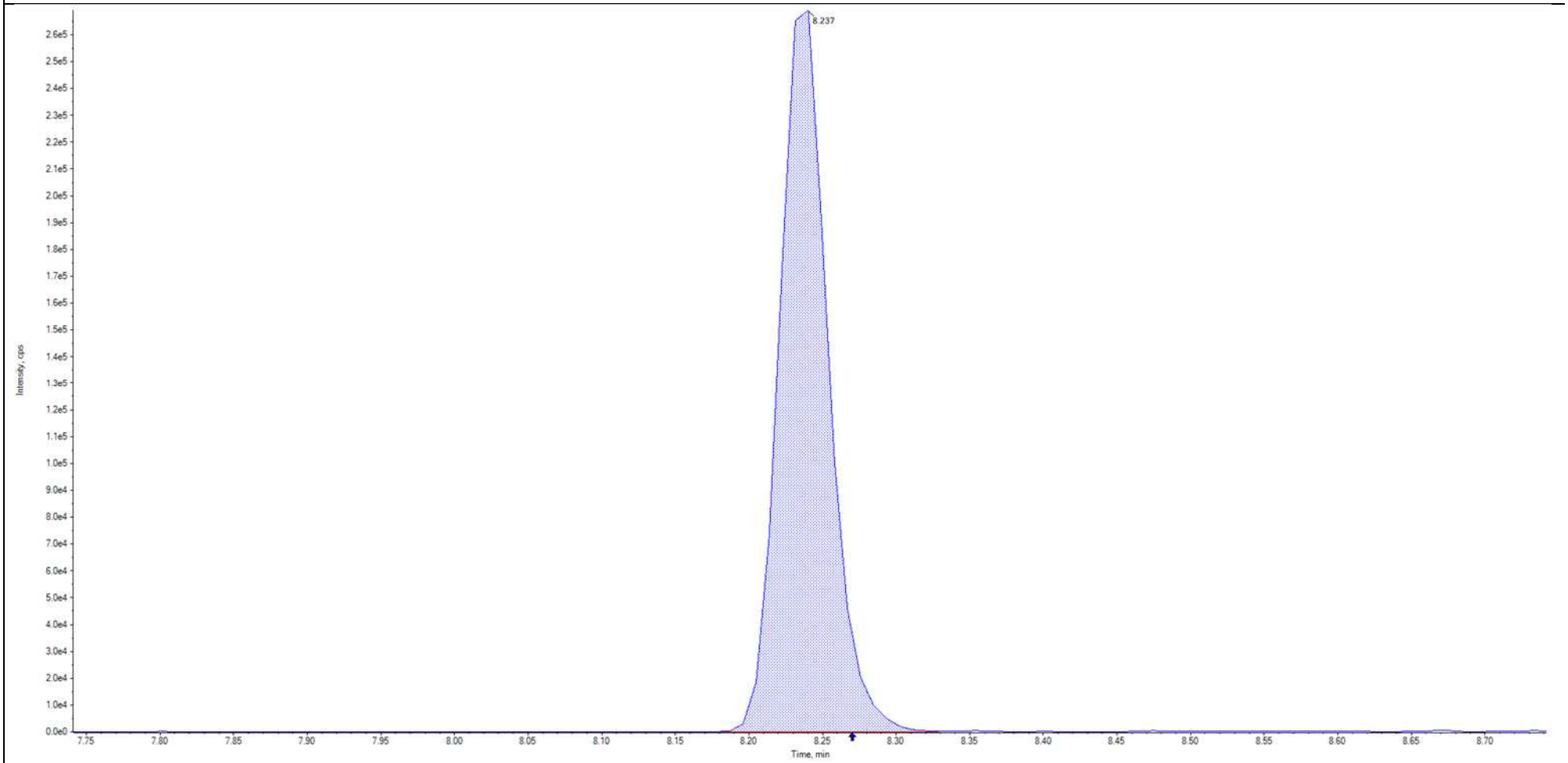
13C4-PFOS
Sample: WG1972930-2,1633LOW



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
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Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1972930-3,1633MED
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Date & Time: 2024-09-18T07:37:27
Description: WG1972930,WG1970000,ICAL21391,1633MED
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	2294939		10.437	N/A	N/A	N/A	104.4
2	PFPeA	2706-90-3	4.69	263.0 / 219.0	1851548		5.902	0.006	0.007	N/A	118.0
3	PFPeA_2	2706-90-3	4.69	263.0 / 68.9	11877		5.362	0.006	0.007	N/A	107.3
4	PFHxA	307-24-4	5.38	313.0 / 269.0	1293335		2.613	0.072	0.072	Pass	104.5
5	PFHxA_2	307-24-4	5.38	313.0 / 119.0	93269		2.551	0.072	0.072	Pass	102.0
6	PFHpA	375-85-9	6.32	363.1 / 319.0	1290462		2.637	0.303	0.297	Pass	105.5
7	PFHpA_2	375-85-9	6.32	363.1 / 169.0	391618		2.615	0.303	0.297	Pass	104.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.52	413.1 / 369.1	797287	M5	2.417	0.571	0.586	Pass	96.7
9	PFOA_2	335-67-1	7.52	413.1 / 169.0	455363	M7	2.519	0.571	0.586	Pass	100.8
10	PFNA	375-95-1	7.93	462.8 / 418.9	1158222	M5	2.758	0.317	0.313	Pass	110.3
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	367694	M7	2.865	0.317	0.313	Pass	114.6
12	PFDA	335-76-2	8.15	513.1 / 469.1	1302005		2.589	0.161	0.142	Pass	103.6
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	209232		2.776	0.161	0.142	Pass	111.1
14	PFUnA	2058-94-8	8.43	563.1 / 519.1	1081424		2.713	0.186	0.194	Pass	108.5
15	PFUnA_2	2058-94-8	8.43	563.1 / 269.0	201127		2.605	0.186	0.194	Pass	104.2
16	PFDoA	307-55-1	8.83	613.1 / 569.1	1122255		1.985	0.167	0.167	Pass	79.4
17	PFDoA_2	307-55-1	8.83	613.1 / 319.0	186925		1.957	0.167	0.167	Pass	78.3
18	PFTrDA	72629-94-8	9.40	663.1 / 619.1	661379		1.963	0.221	0.228	Pass	78.5
19	PFTrDA_2	72629-94-8	9.40	663.1 / 169.0	146291		1.949	0.221	0.228	Pass	78.0
20	PFTeDA	376-06-7	9.85	713.1 / 669.1	1051207		2.465	0.139	0.137	Pass	98.6
21	PFTeDA_2	376-06-7	9.86	713.1 / 169.0	146252		2.507	0.139	0.137	Pass	100.3
22	PFBS	375-73-5	5.35	299.1 / 80.1	815859		2.232	0.400	0.396	Pass	100.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.35	299.1 / 99.1	326617		2.241	0.400	0.396	Pass	101.0
24	PFPeS	2706-91-4	6.40	349.1 / 80.1	680966		2.463	0.309	0.299	Pass	104.7
25	PFPeS_2	2706-91-4	6.40	349.1 / 99.1	210601		2.525	0.309	0.299	Pass	107.3
26	PFHxS	355-46-4	7.62	399.1 / 80.1	611046	M5	2.361	0.312	0.315	Pass	103.3
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	190873	M7	2.375	0.312	0.315	Pass	103.9
28	PFHpS	375-92-8	8.00	449.1 / 80.1	649932		2.508	0.294	0.287	Pass	105.2
29	PFHpS_2	375-92-8	8.00	449.1 / 99.1	191001		2.515	0.294	0.287	Pass	105.5
30	PFOS	1763-23-1	8.24	499.1 / 80.1	658481	M5	2.386	0.240	0.238	Pass	102.9
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	158177	M7	2.340	0.240	0.238	Pass	100.9
32	PFNS	68259-12-1	8.57	549.1 / 80.1	483644		2.730	0.292	0.301	Pass	113.5
33	PFNS_2	68259-12-1	8.57	549.1 / 99.1	141034		2.628	0.292	0.301	Pass	109.3
34	PFDS	335-77-3	9.06	599.1 / 80.1	444469		2.547	0.278	0.275	Pass	105.6
35	PFDS_2	335-77-3	9.06	599.1 / 99.1	123429		2.566	0.278	0.275	Pass	106.3
36	PFDoS	79780-39-5	9.96	699.2 / 80.1	420262		2.629	0.277	0.274	Pass	108.4
37	PFDoS_2	79780-39-5	9.96	699.2 / 99.1	116452		2.652	0.277	0.274	Pass	109.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.17	327.1 / 307.1	1163535		8.731	0.562	0.516	Pass	93.1
39	4:2FTS_2	757124-72-4	5.17	327.1 / 81.1	653808		9.171	0.562	0.516	Pass	97.8
40	6:2FTS	27619-97-2	7.15	427.2 / 407.2	732034		10.586	0.574	0.565	Pass	111.4
41	6:2FTS_2	27619-97-2	7.15	427.2 / 81.1	420097		11.232	0.574	0.565	Pass	118.2
42	8:2FTS	39108-34-4	8.05	527.2 / 507.2	1118981		11.832	0.674	0.662	Pass	123.3
43	8:2FTS_2	39108-34-4	8.05	527.2 / 81.1	753797		11.751	0.674	0.662	Pass	122.4
44	PFOSA	754-91-6	9.52	498.1 / 78.1	690626	M5	2.642	0.024	0.025	Pass	105.7
45	PFOSA_2	754-91-6	9.52	498.1 / 478.0	16470	M7	2.401	0.024	0.025	Pass	96.1
46	NMeFOSA	31506-32-8	10.15	512.2 / 219.0	192406	M5	2.684	1.458	1.551	Pass	107.4
47	NMeFOSA_2	31506-32-8	10.11	512.2 / 169.0	280458	M7	2.525	1.458	1.551	Pass	101.0
48	NEtFOSA	4151-50-2	10.36	526.2 / 219.0	190953	M5	2.645	1.327	1.285	Pass	105.8
49	NEtFOSA_2	4151-50-2	10.32	526.2 / 169.0	253443	M7	2.622	1.327	1.285	Pass	104.9
50	NMeFOSAA	2355-31-9	8.20	570.2 / 419.1	168945		3.032	0.771	0.700	Pass	121.3
51	NMeFOSAA_2	2355-31-9	8.20	570.2 / 483.0	130288		3.677	0.771	0.700	Pass	147.1
52	NEtFOSAA	2991-50-6	8.33	584.2 / 419.1	208217		2.620	0.478	0.487	Pass	104.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.33	584.2 / 526.2	99547	M7	2.722	0.478	0.487	Pass	108.9
54	NMeFOSE	24448-09-7	10.06	616.1 / 58.9	3641355	M5	26.143	N/A	N/A	N/A	104.6
55	NEtFOSE	1691-99-2	10.26	630.0 / 58.9	6370981	M5	25.780	N/A	N/A	N/A	103.1
56	HFPO-DA	13252-13-6	5.65	285.0 / 169.0	2808440		10.959	0.476	0.464	Pass	109.6
57	HFPO-DA_2	13252-13-6	5.65	285.0 / 184.9	1337530		11.224	0.476	0.464	Pass	112.2
58	ADONA	919005-14-4	6.79	377.1 / 251.0	5749350		9.865	0.672	0.634	Pass	104.4
59	ADONA_2	919005-14-4	6.79	377.1 / 84.8	3864975		10.249	0.672	0.634	Pass	108.5
60	9Cl-PF3ONS	756426-58-1	8.45	530.8 / 351.1	6033799		10.500	0.324	0.322	Pass	112.3
61	9Cl-PF3ONS_2	756426-58-1	8.45	532.8 / 353.0	1956844		10.456	0.324	0.322	Pass	111.8
62	11Cl-PF3OUdS	763051-92-9	9.48	630.9 / 451.0	3880033		10.689	0.328	0.331	Pass	113.1
63	11Cl-PF3OUdS_2	763051-92-9	9.48	632.9 / 452.9	1272800		10.419	0.328	0.331	Pass	110.3
64	3:3FTCA	356-02-5	4.96	241.1 / 177.1	424787		15.611	0.883	1.074	Pass	124.9
65	3:3FTCA_2	356-02-5	4.96	241.1 / 117.0	375199		13.768	0.883	1.074	Pass	110.1
66	5:3FTCA	914637-49-3	7.23	341.1 / 237.1	5999640		66.829	0.991	0.953	Pass	106.9
67	5:3FTCA_2	914637-49-3	7.23	341.1 / 217.0	5942782		69.957	0.991	0.953	Pass	111.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.20	441.1 / 316.9	4805233		48.080	1.781	1.558	Pass	76.9
69	7:3FTCA_2	812-70-4	8.20	441.1 / 337.1	8559139		59.016	1.781	1.558	Pass	94.4
70	PFEESA	113507-82-7	5.76	315.1 / 135.0	4262761		4.965	0.085	0.087	Pass	111.6
71	PFEESA_2	113507-82-7	5.76	315.1 / 82.9	364301		4.911	0.085	0.087	Pass	110.4
72	PFMPA	377-73-1	3.92	229.0 / 85.0	224645		5.916	N/A	N/A	N/A	118.3
73	PFMBA	863090-89-5	4.91	279.0 / 85.0	2686818		5.248	N/A	N/A	N/A	105.0
74	NFDHA	151772-58-6	5.29	295.0 / 201.0	498303		5.513	0.925	0.910	Pass	110.3
75	NFDHA_2	151772-58-6	5.29	295.0 / 84.9	461098		5.565	0.925	0.910	Pass	111.3
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.16	333.2 / 312.1	398502		2.086	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.52	415.0 / 370.0	1464555		1.130	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	2.84	217.0 / 172.0	2711515		10.709	NA	NA	NA	107.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.68	268.0 / 223.0	1701206		5.392	NA	NA	NA	107.8
	13C5-PFHxA	EIS	5.37	318.0 / 273.0	1015397		2.450	NA	NA	NA	98.0
	13C4-PFHpA	EIS	6.32	367.0 / 322.0	1044608		2.517	NA	NA	NA	100.7
	13C8-PFOA	EIS	7.51	421.0 / 376.0	1585258		2.709	NA	NA	NA	108.4
	13C9-PFNA	EIS	7.93	472.0 / 427.0	717112		1.208	NA	NA	NA	96.6
	13C6-PFDA	EIS	8.15	519.0 / 474.0	729385		1.315	NA	NA	NA	105.2
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	630602		1.405	NA	NA	NA	112.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	543523		1.861	NA	NA	NA	148.9
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	425512		1.342	NA	NA	NA	107.4
	13C3-PFBS	EIS	5.35	302.1 / 80.1	871257		2.448	NA	NA	NA	105.1
	13C3-PFHxS	EIS	7.62	402.1 / 80.1	648270		2.293	NA	NA	NA	96.8
	13C8-PFOS	EIS	8.24	507.1 / 80.1	671789		2.412	NA	NA	NA	100.7
	13C2-4:2FTS	EIS	5.17	329.1 / 81.1	318926		5.021	NA	NA	NA	107.1
	13C2-6:2FTS	EIS	7.15	429.2 / 81.1	200432		4.306	NA	NA	NA	90.6
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	358159		5.258	NA	NA	NA	109.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	977824		2.641	NA	NA	NA	105.7
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	167365		2.686	NA	NA	NA	107.4
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	164369		2.700	NA	NA	NA	108.0
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	423361		3.005	NA	NA	NA	60.1
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	426277		5.757	NA	NA	NA	115.1
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	1411528		29.330	NA	NA	NA	117.3
	d9-NEtFOSE	EIS	10.24	639.2 / 58.9	2105172		29.669	NA	NA	NA	118.7

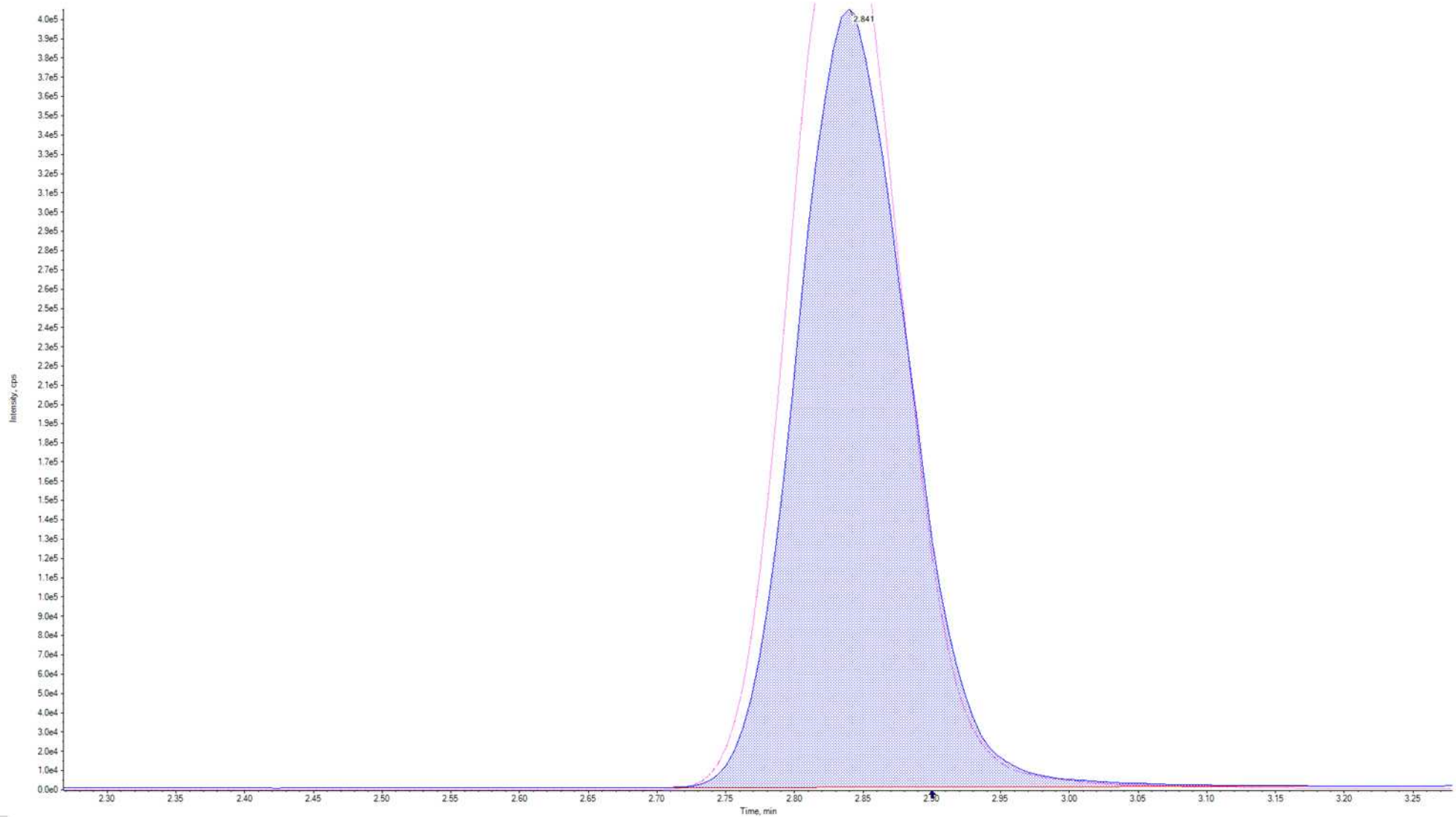
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.65	287.0 / 169.0	2795593		10.178	NA	NA	NA	101.8
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1107626		5.180	NA	NA	NA	103.6
	13C2-PFHxA	NIS	5.37	315.0 / 270.0	1230580		2.513	NA	NA	NA	100.5
	13C4-PFOA	NIS	7.51	417.0 / 372.0	765541		2.445	NA	NA	NA	97.8
	13C5-PFNA	NIS	7.93	468.0 / 423.0	723511		1.321	NA	NA	NA	105.7
	13C2-PFDA	NIS	8.15	515.1 / 470.1	651824		1.272	NA	NA	NA	101.8
	18O2-PFHxS	NIS	7.62	403.1 / 84.1	574523		2.452	NA	NA	NA	103.5
	13C4-PFOS	NIS	8.24	503.1 / 80.1	492576		2.339	NA	NA	NA	97.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFBA
Sample: WG1972930-3,1633MED S/N:1700.2 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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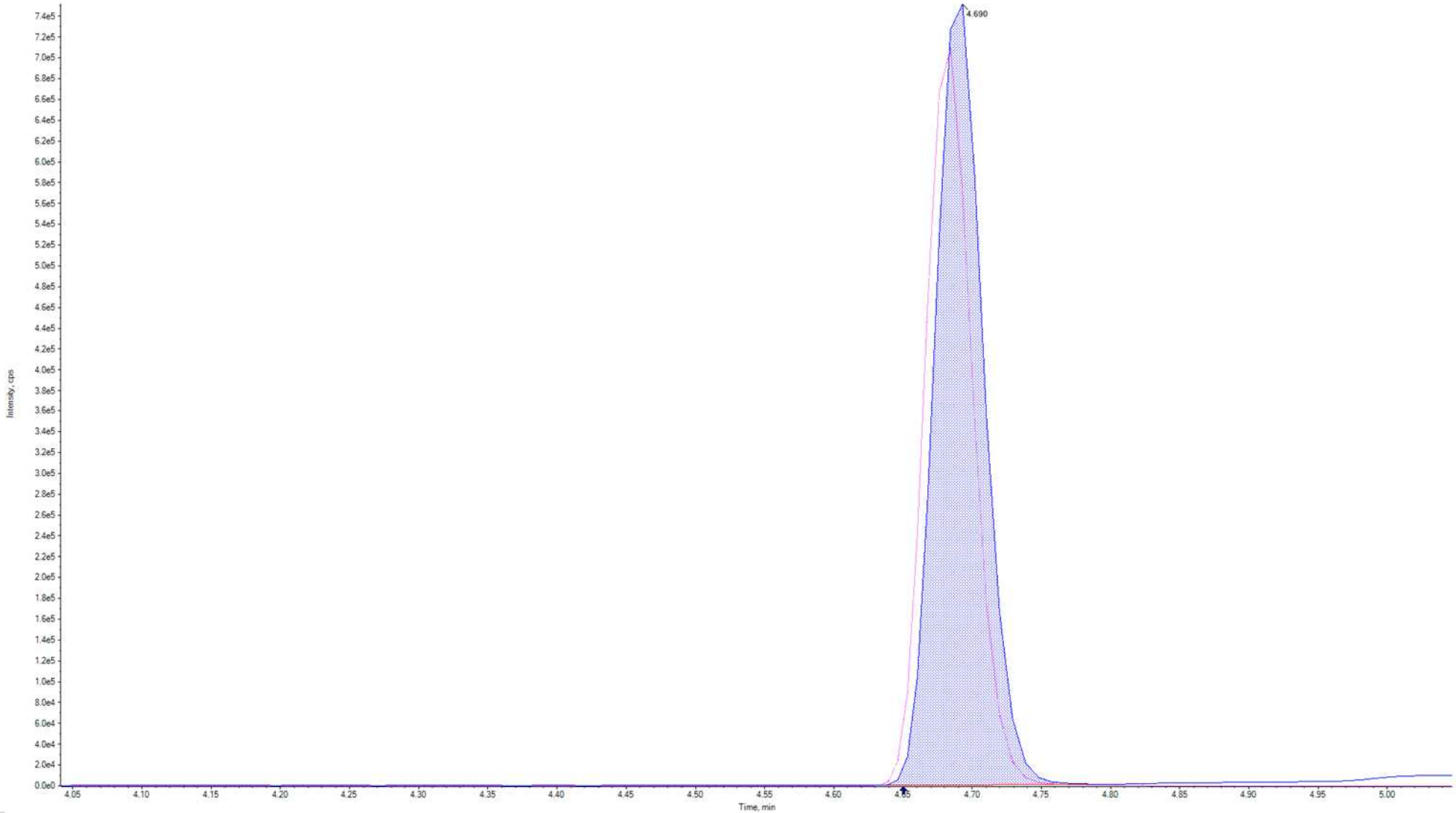
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeA
Sample: WG1972930-3,1633MED S/N:2600.7 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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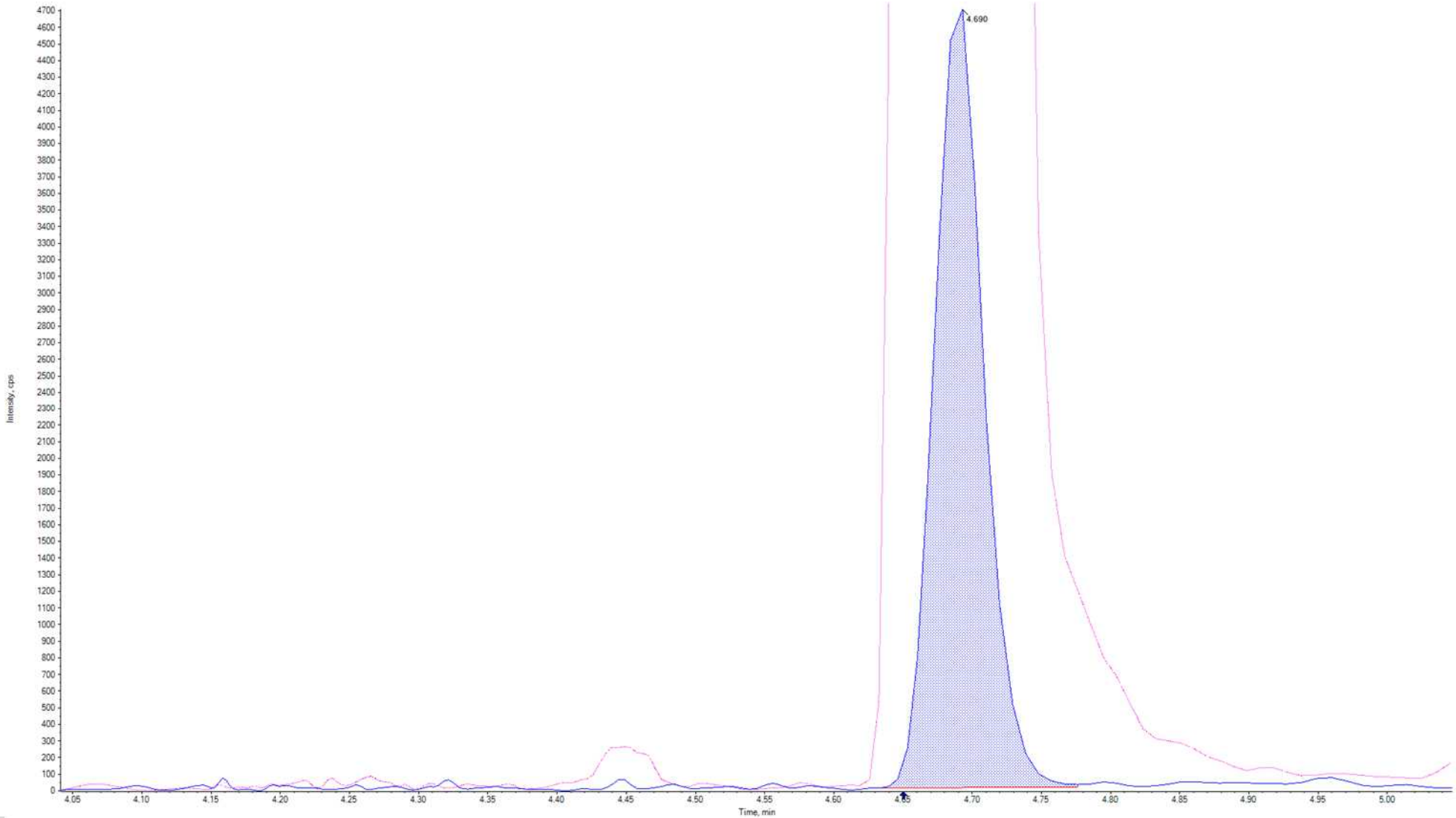
Generated: 9/18/2024 6:35:36 AM

PFPeA_2
Sample: WG1972930-3,1633MED S/N:2129.8 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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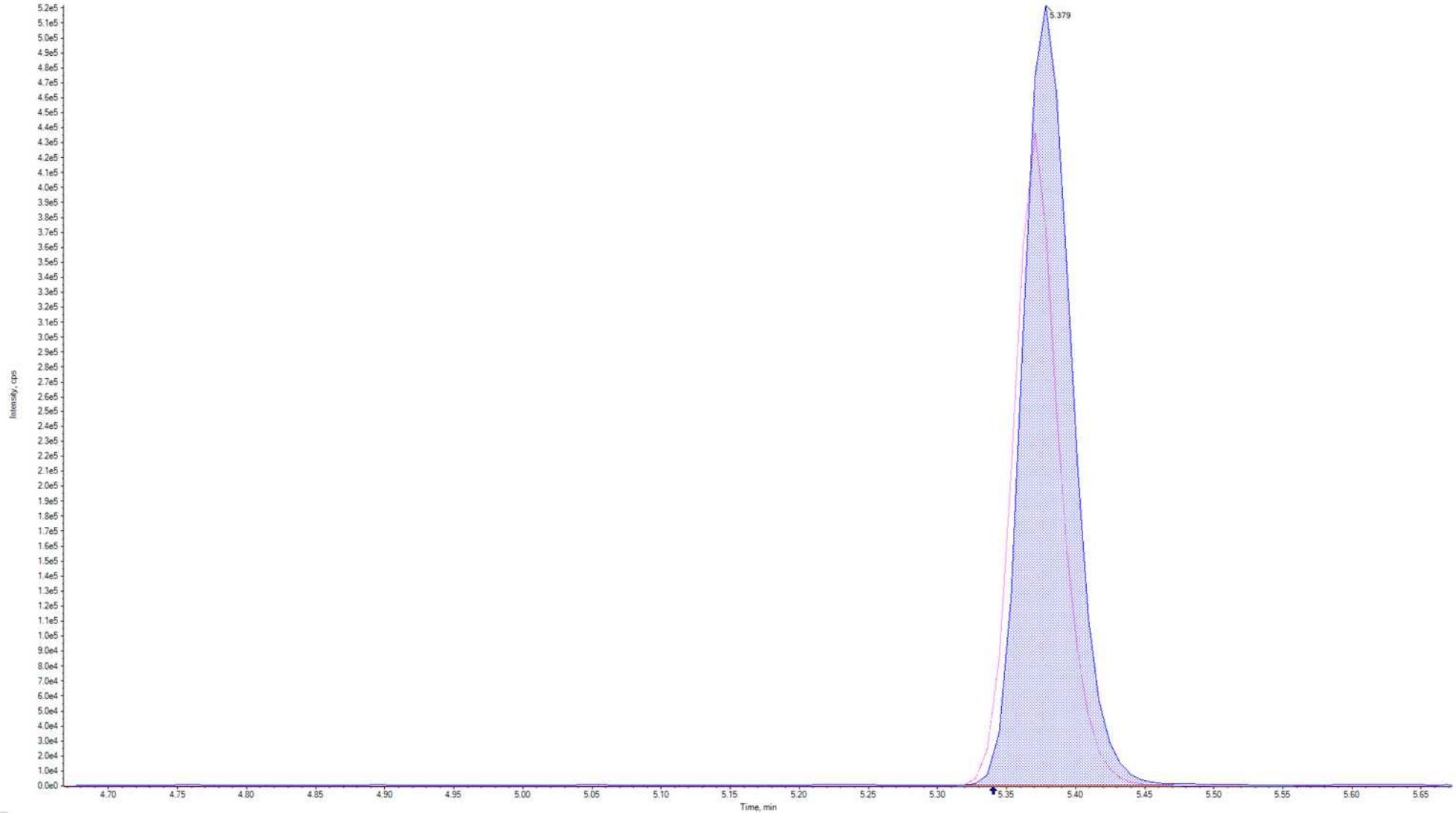
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA
Sample: WG1972930-3,1633MED S/N:1409.1 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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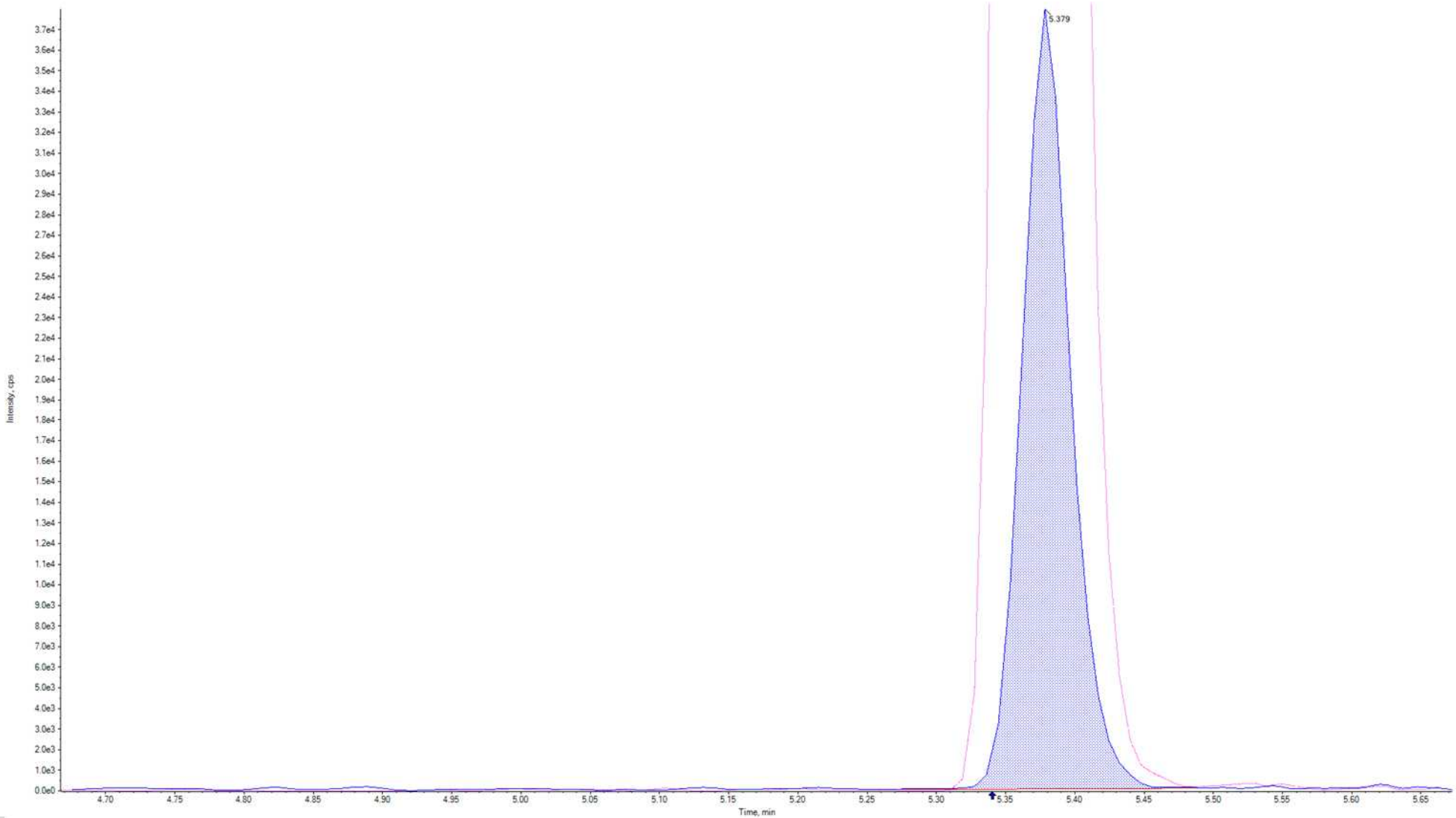
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxA_2
Sample: WG1972930-3,1633MED S/N:1364.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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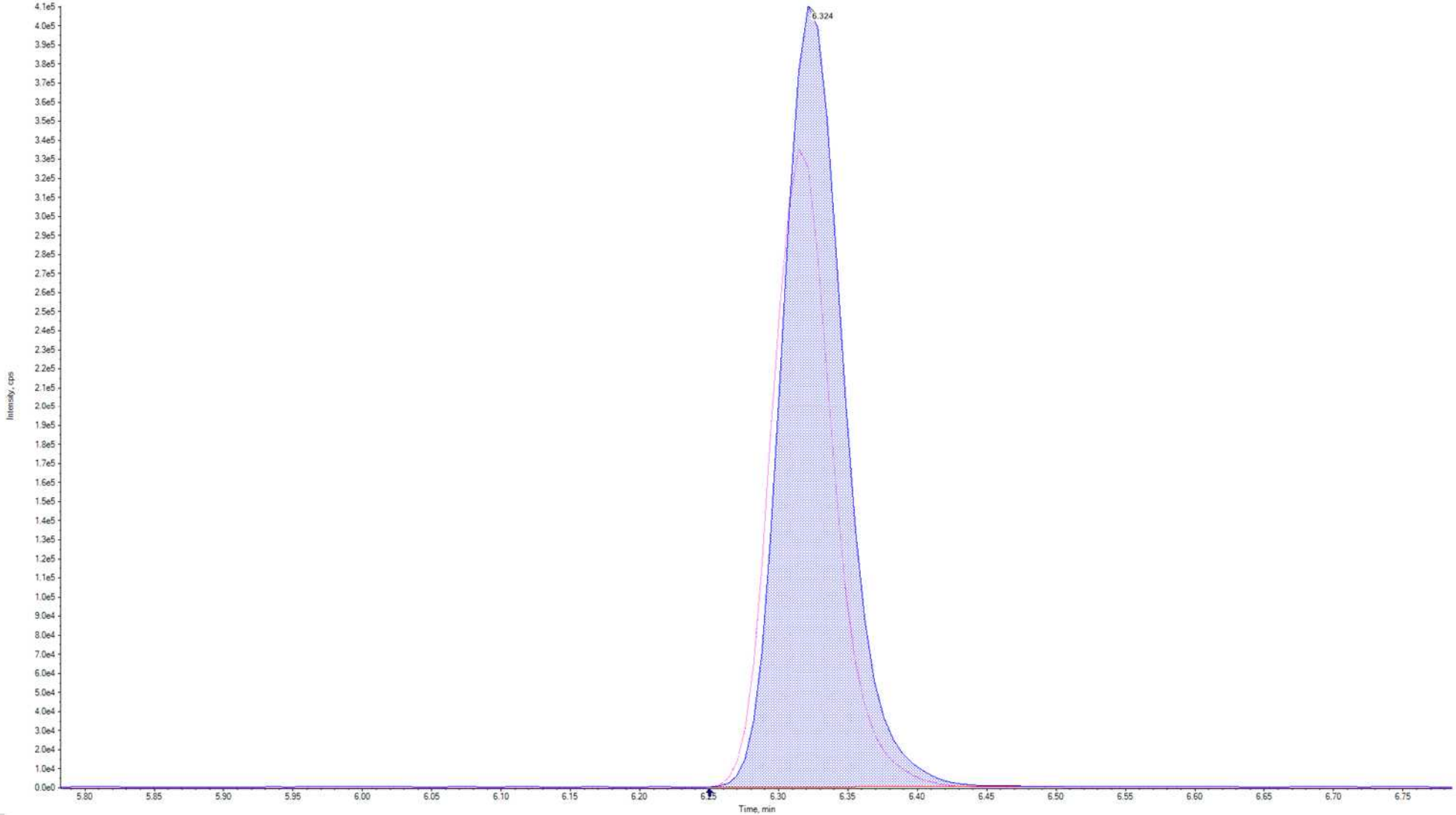
PFHpA
Sample: WG1972930-3,1633MED S/N:2110.4 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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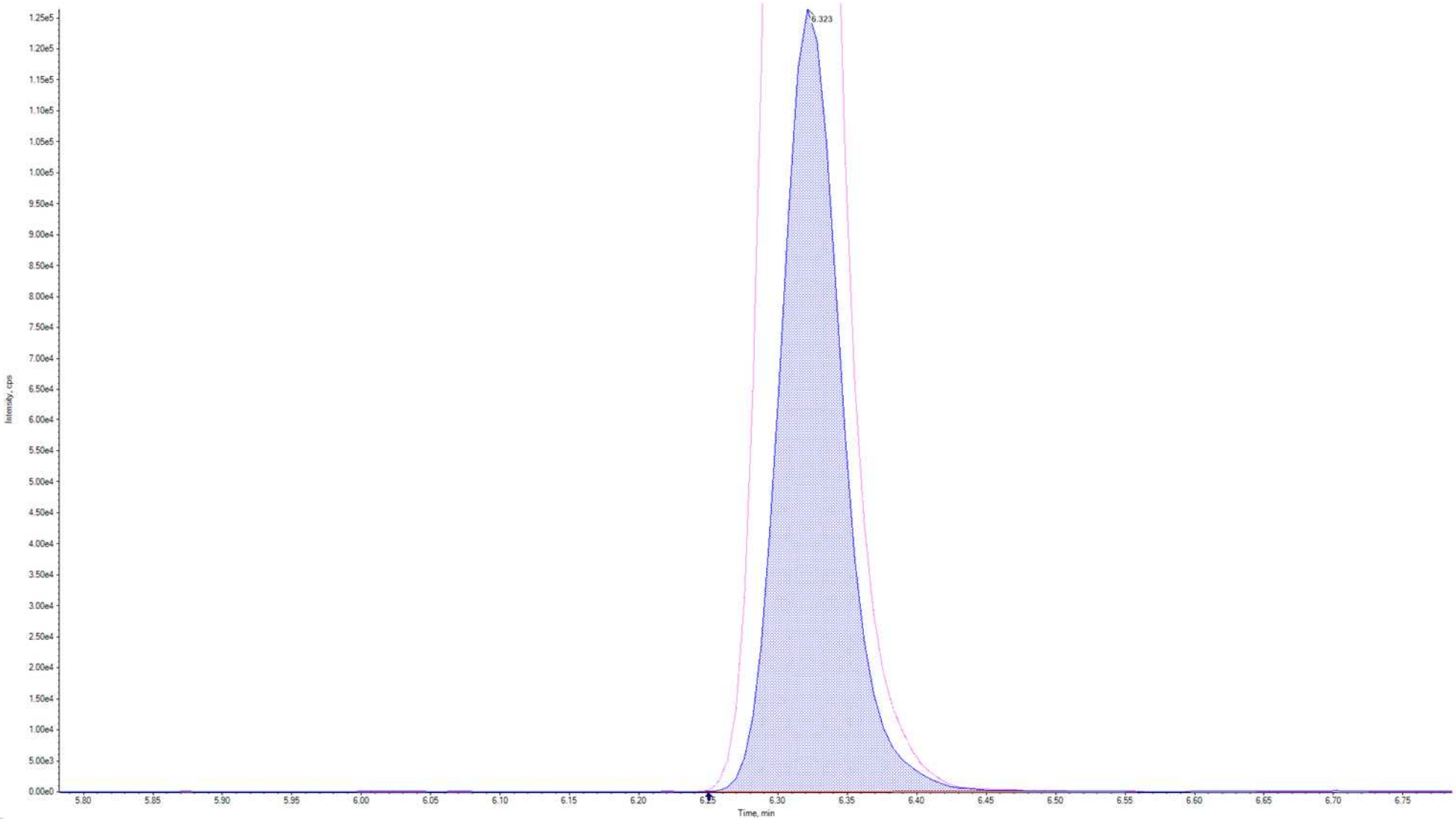
PFHpA_2
Sample: WG1972930-3,1633MED S/N:16976.0 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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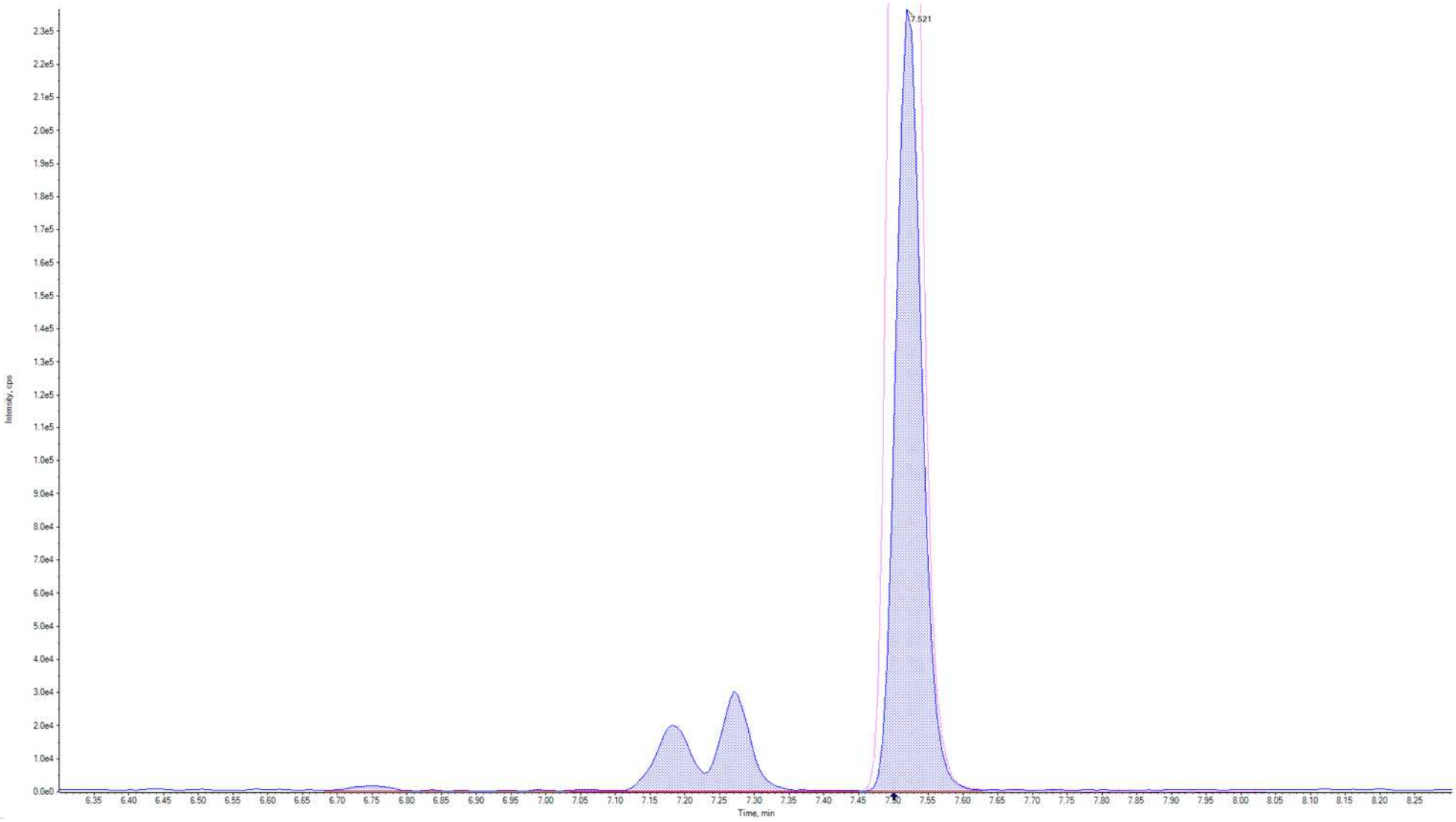
PFOA
Sample: WG1972930-3,1633MED S/N:1809.3 Points Across peak:147



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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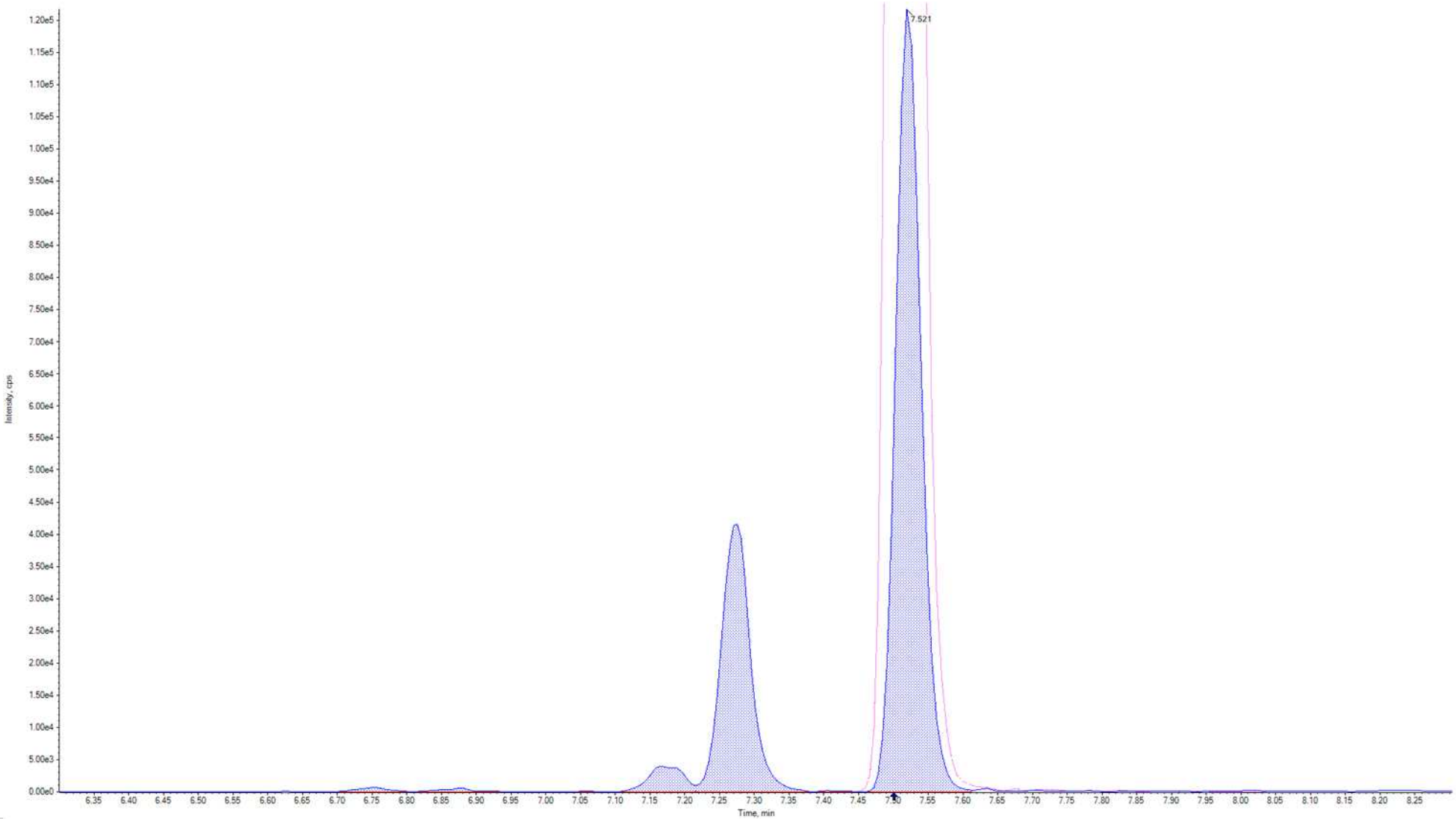
PFOA_2
Sample: WG1972930-3,1633MED S/N:173278.7 Points Across peak:146



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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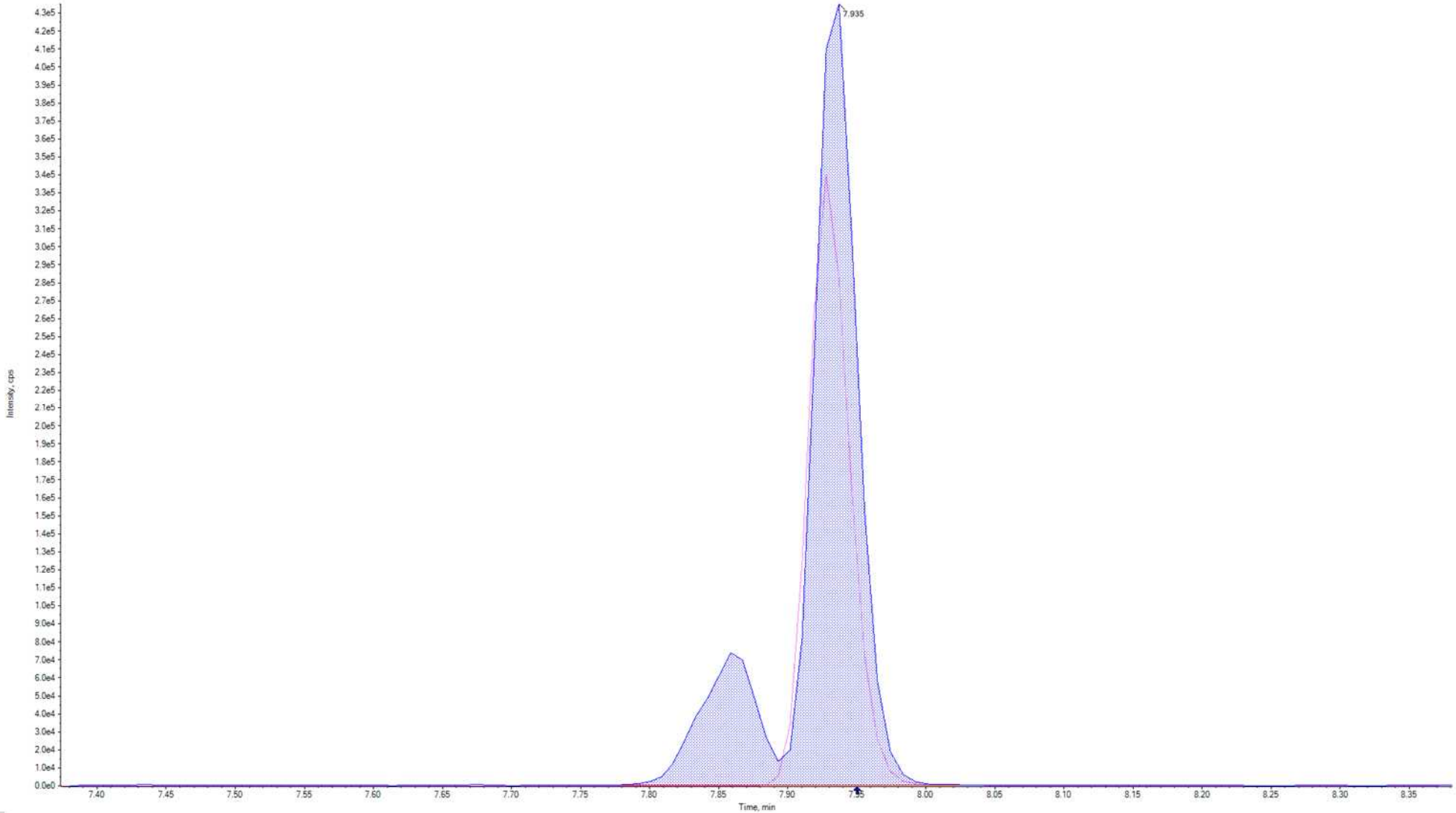
Generated: 9/18/2024 6:35:36 AM

PFNA
Sample: WG1972930-3,1633MED S/N:2007.3 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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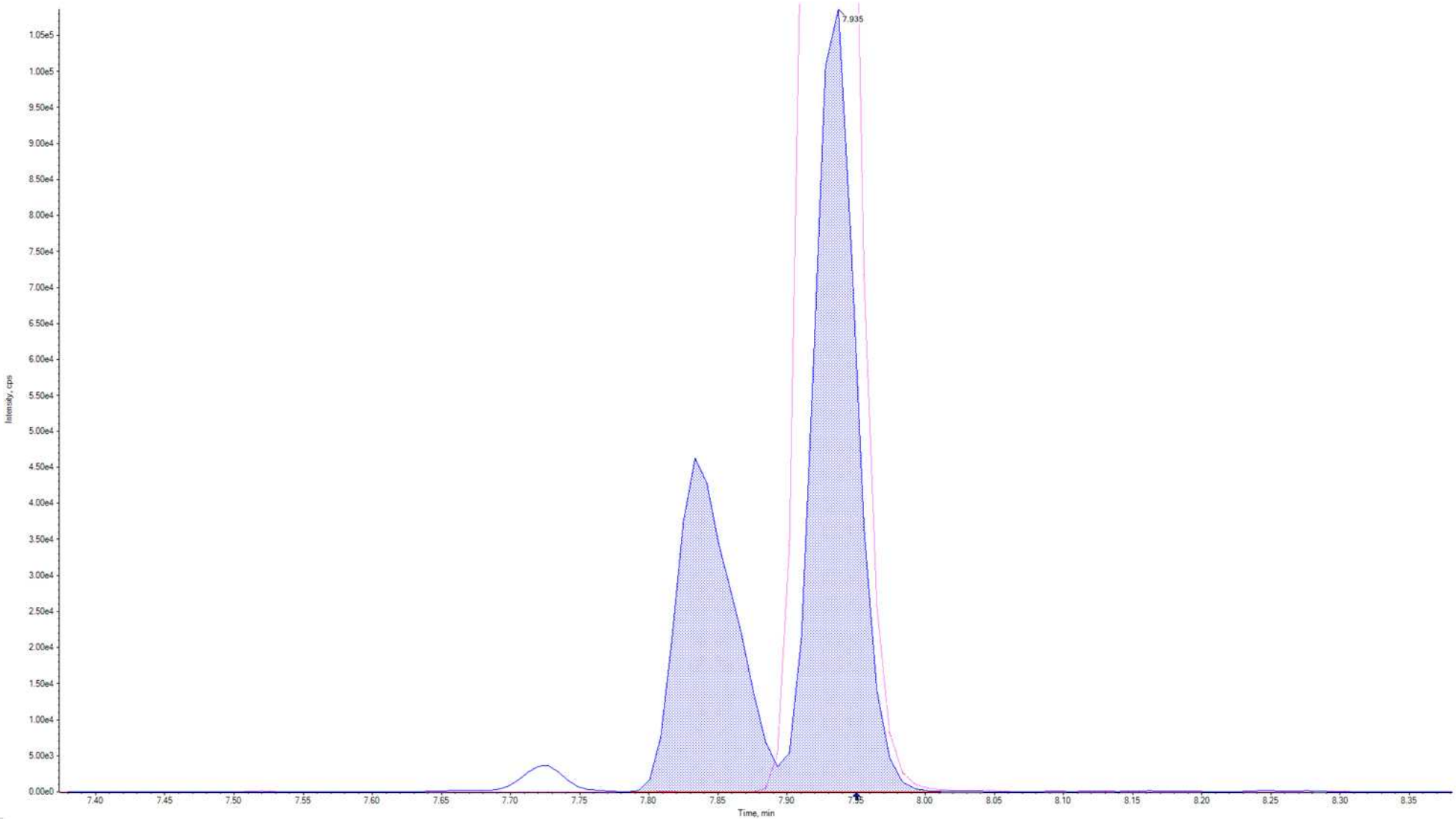
PFNA_2
Sample: WG1972930-3,1633MED S/N:834.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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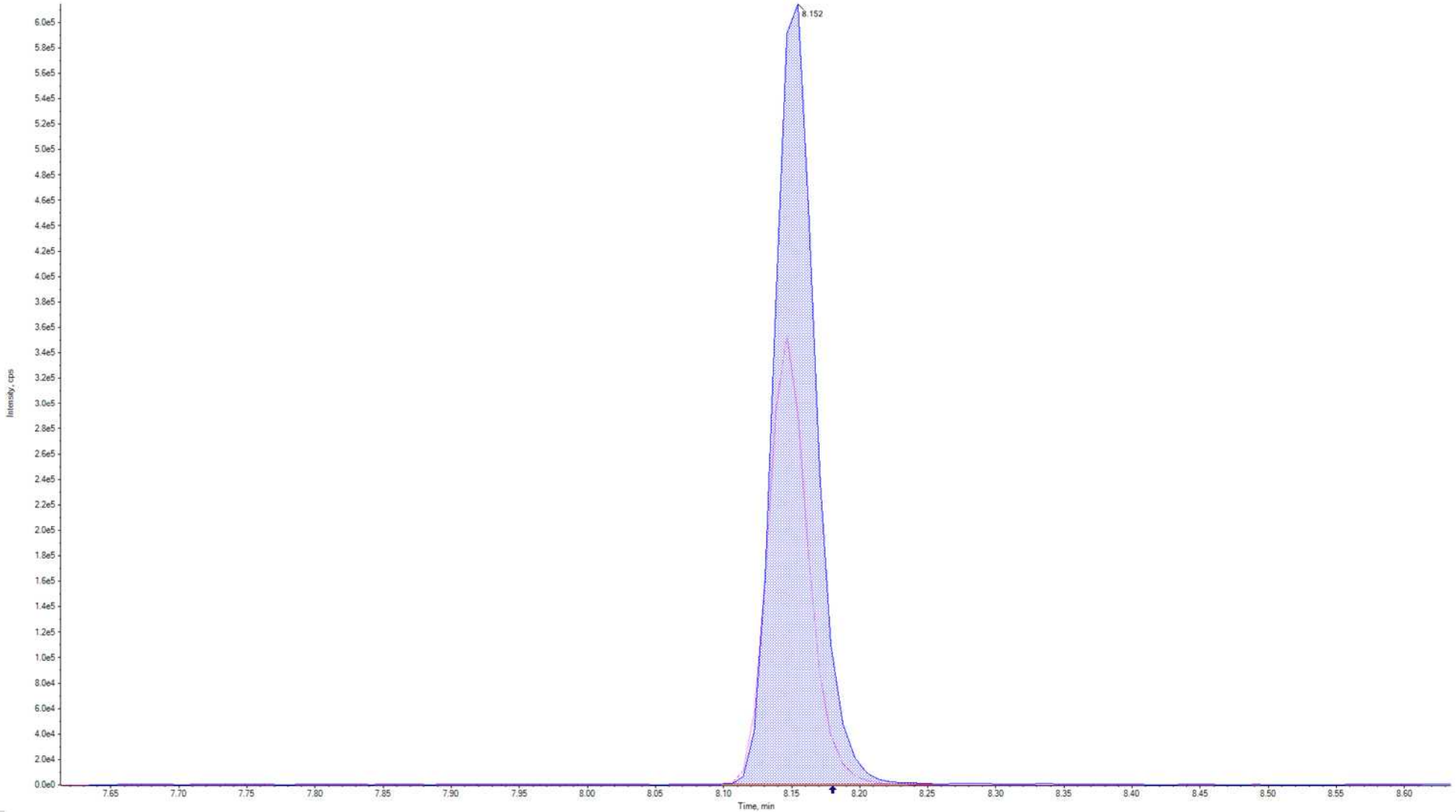
PFDA
Sample: WG1972930-3,1633MED S/N:4033.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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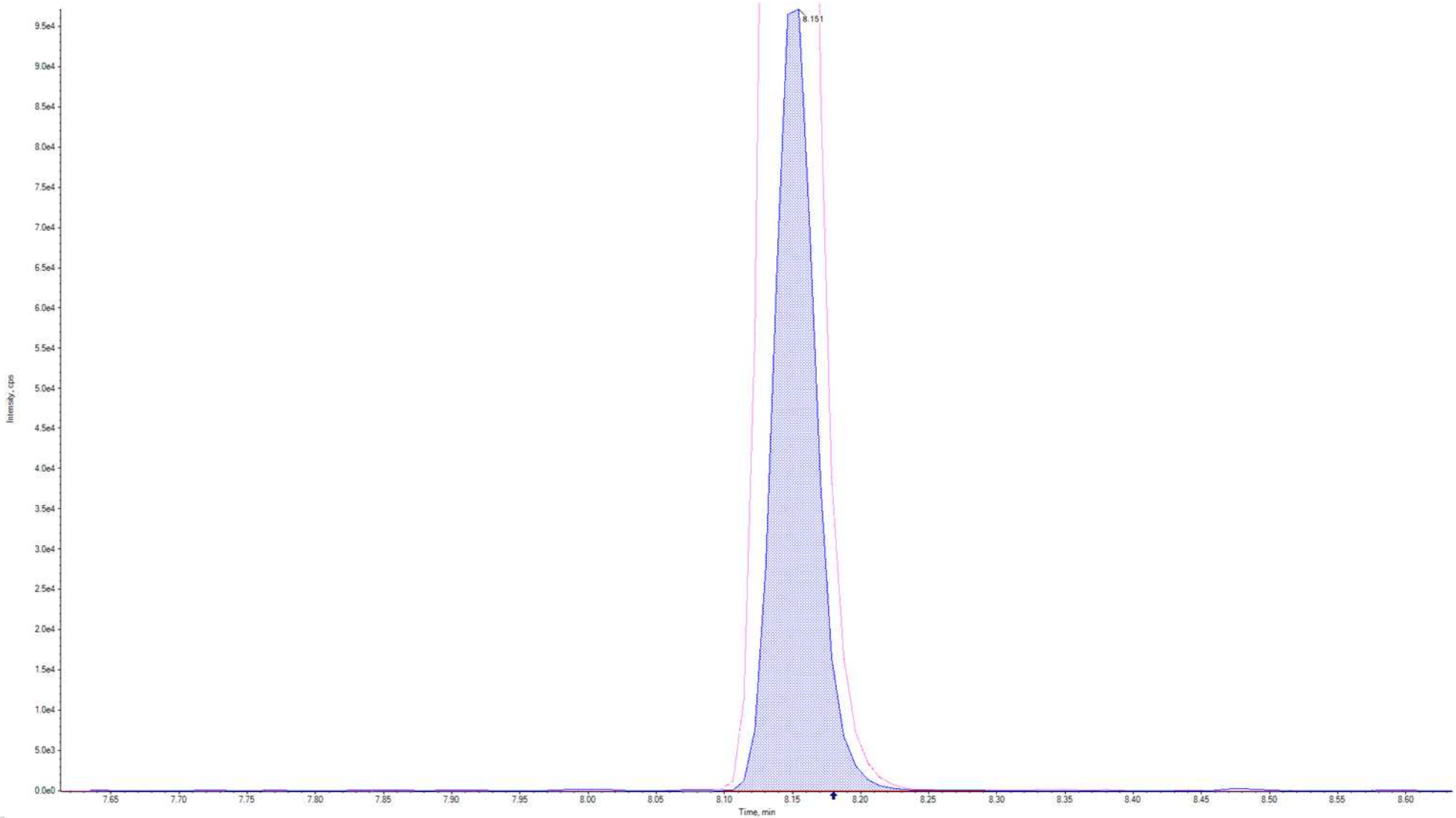
PFDA_2
Sample: WG1972930-3,1633MED S/N:1245.6 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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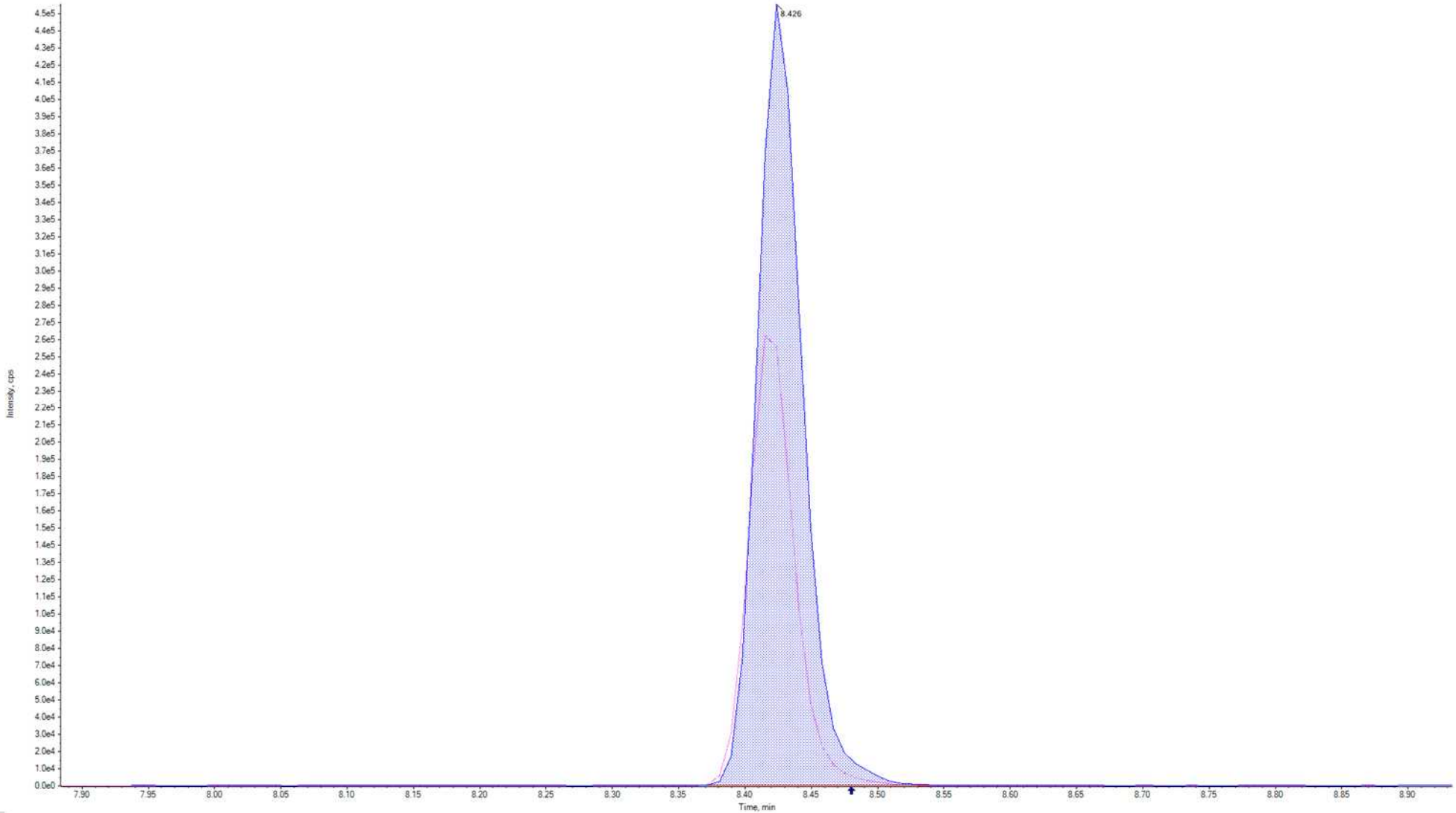
PFUnA
Sample: WG1972930-3,1633MED S/N:3139.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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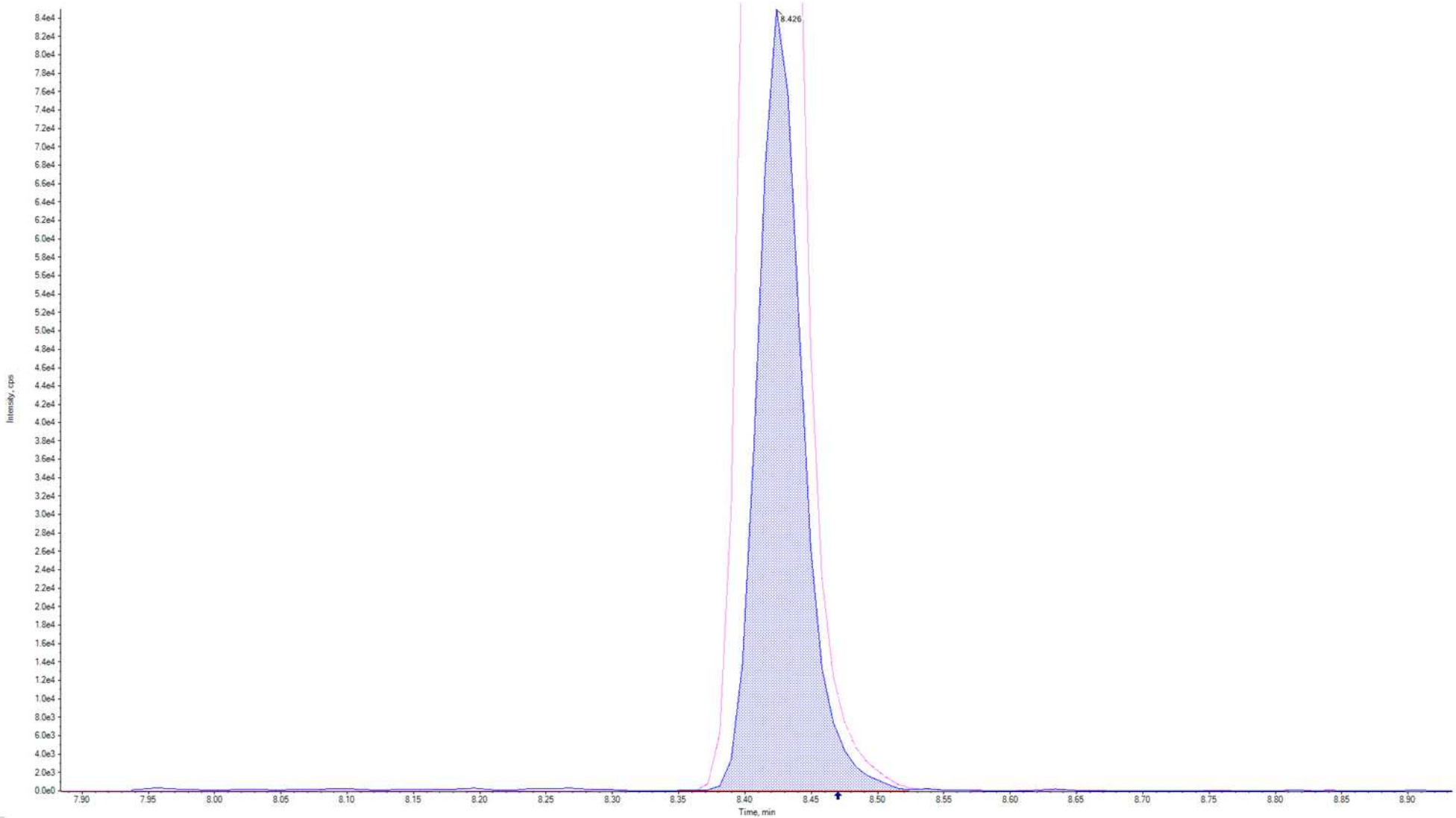
PFUnA_2
Sample: WG1972930-3,1633MED S/N:14753610.9 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/18/2024 12:41:54 PM
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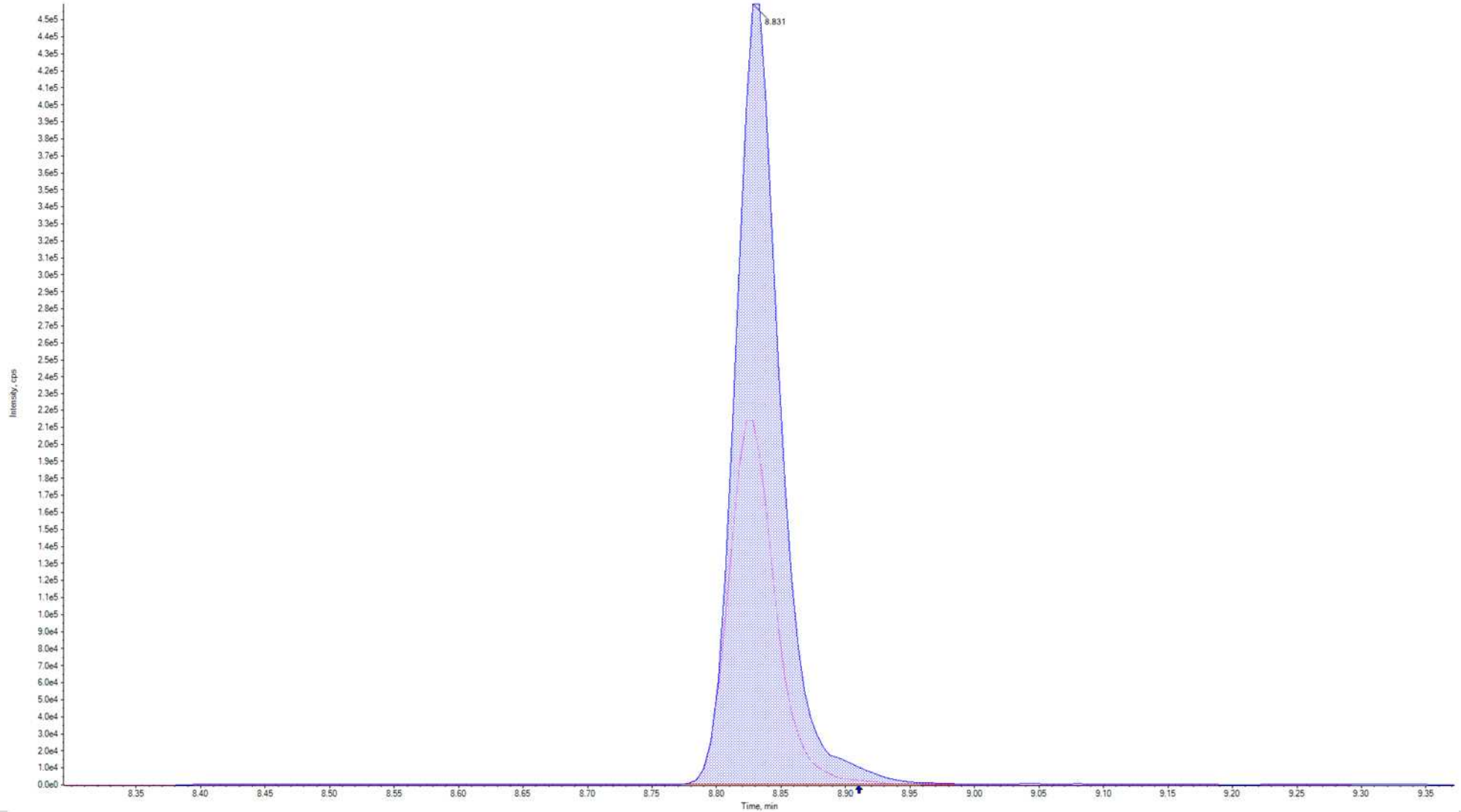
PFDoA
Sample: WG1972930-3,1633MED S/N:3936.9 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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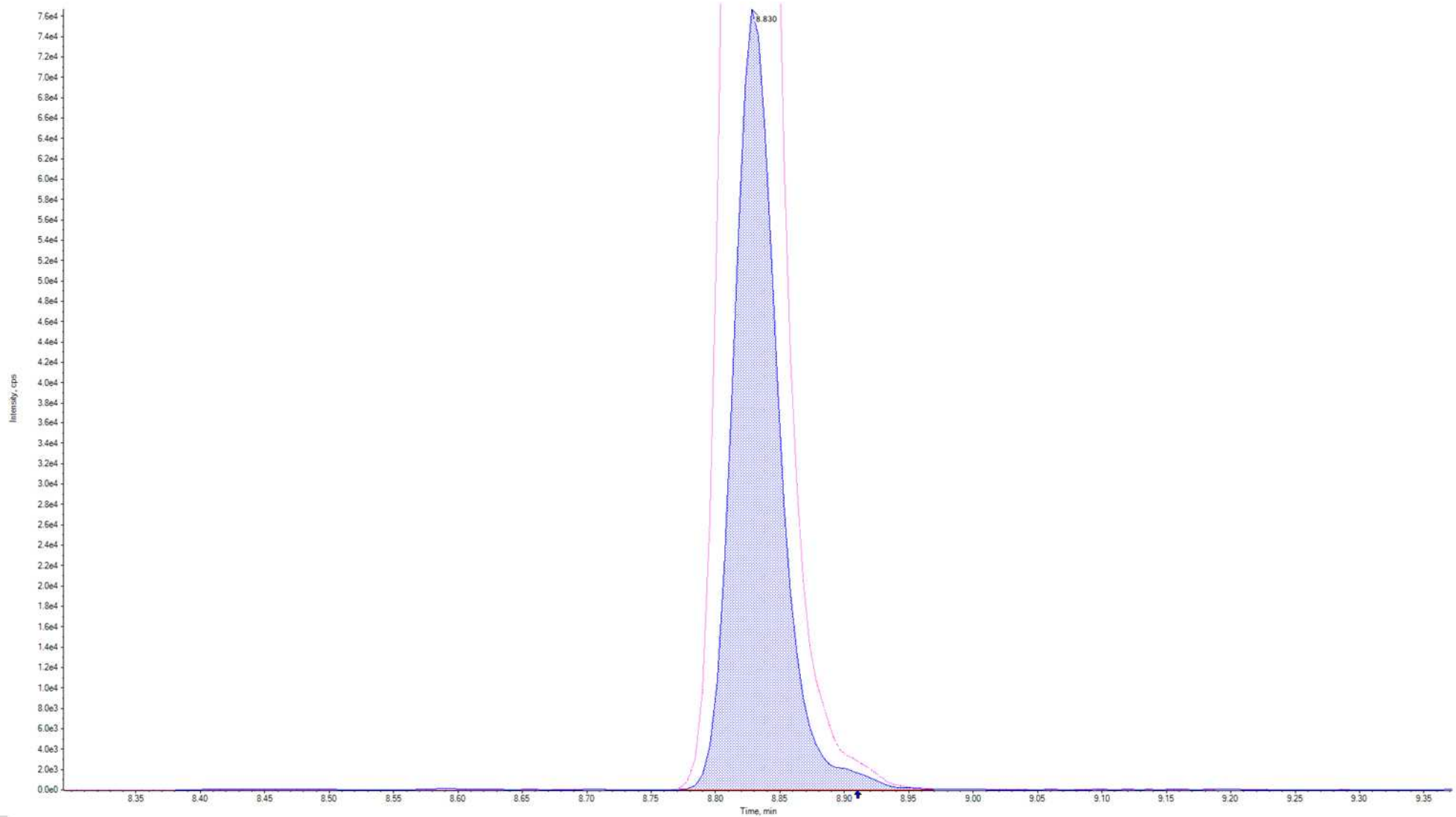
PFDoA_2
Sample: WG1972930-3,1633MED S/N:1063158.8 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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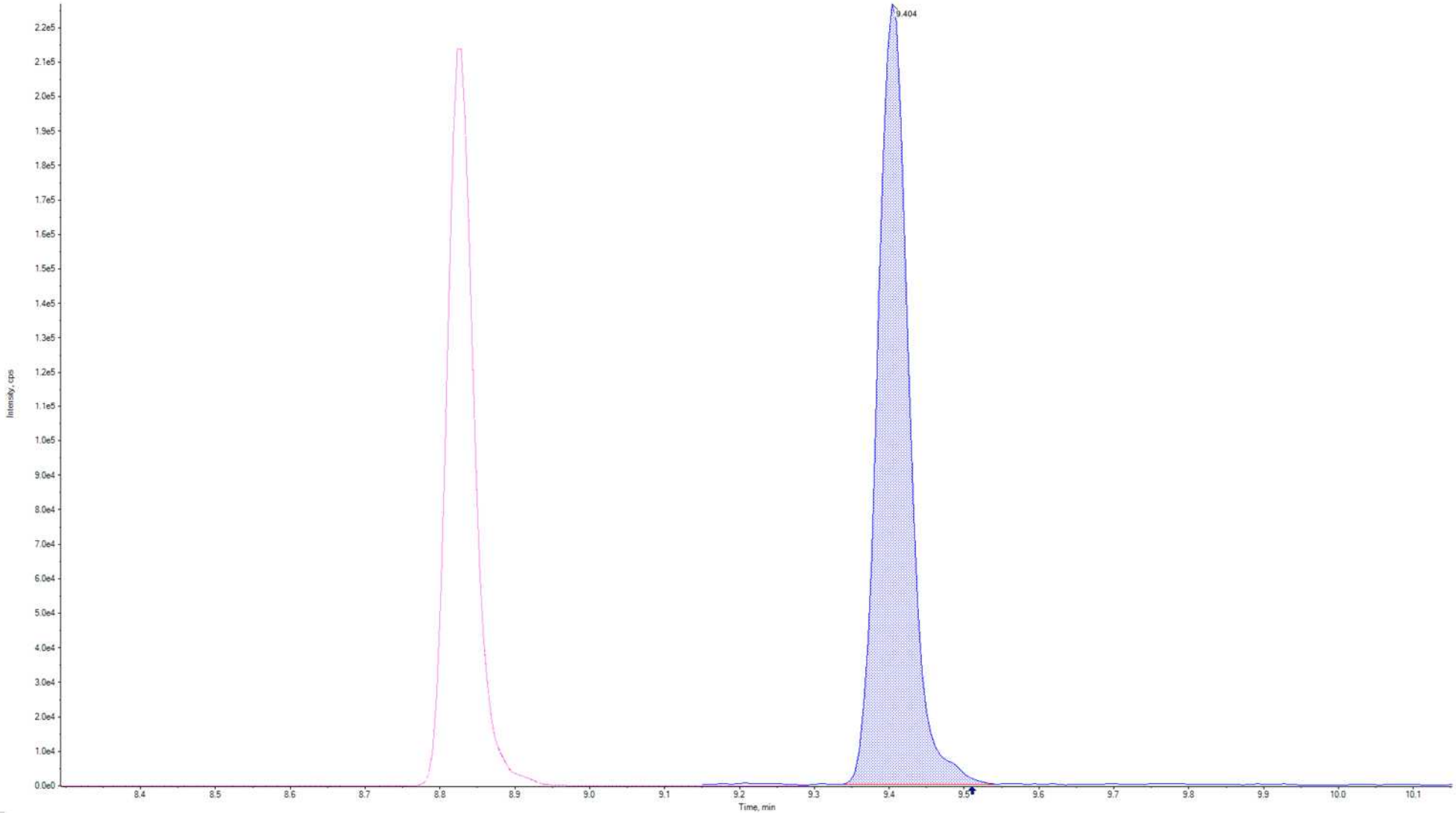
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFTrDA
Sample: WG1972930-3,1633MED S/N:1903.6 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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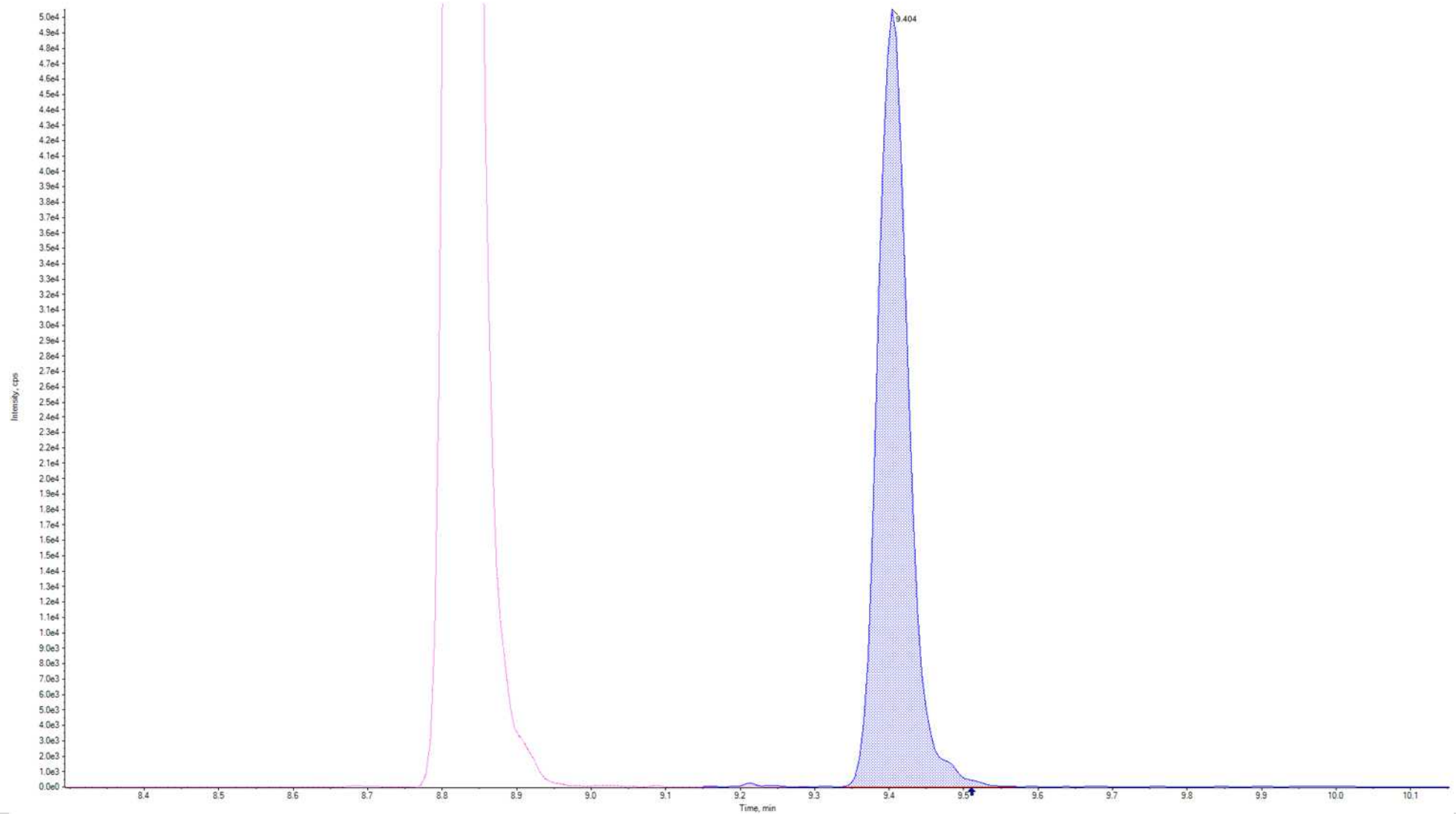
PFTrDA_2
Sample: WG1972930-3,1633MED S/N:24115.6 Points Across peak:43



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PFTeDA
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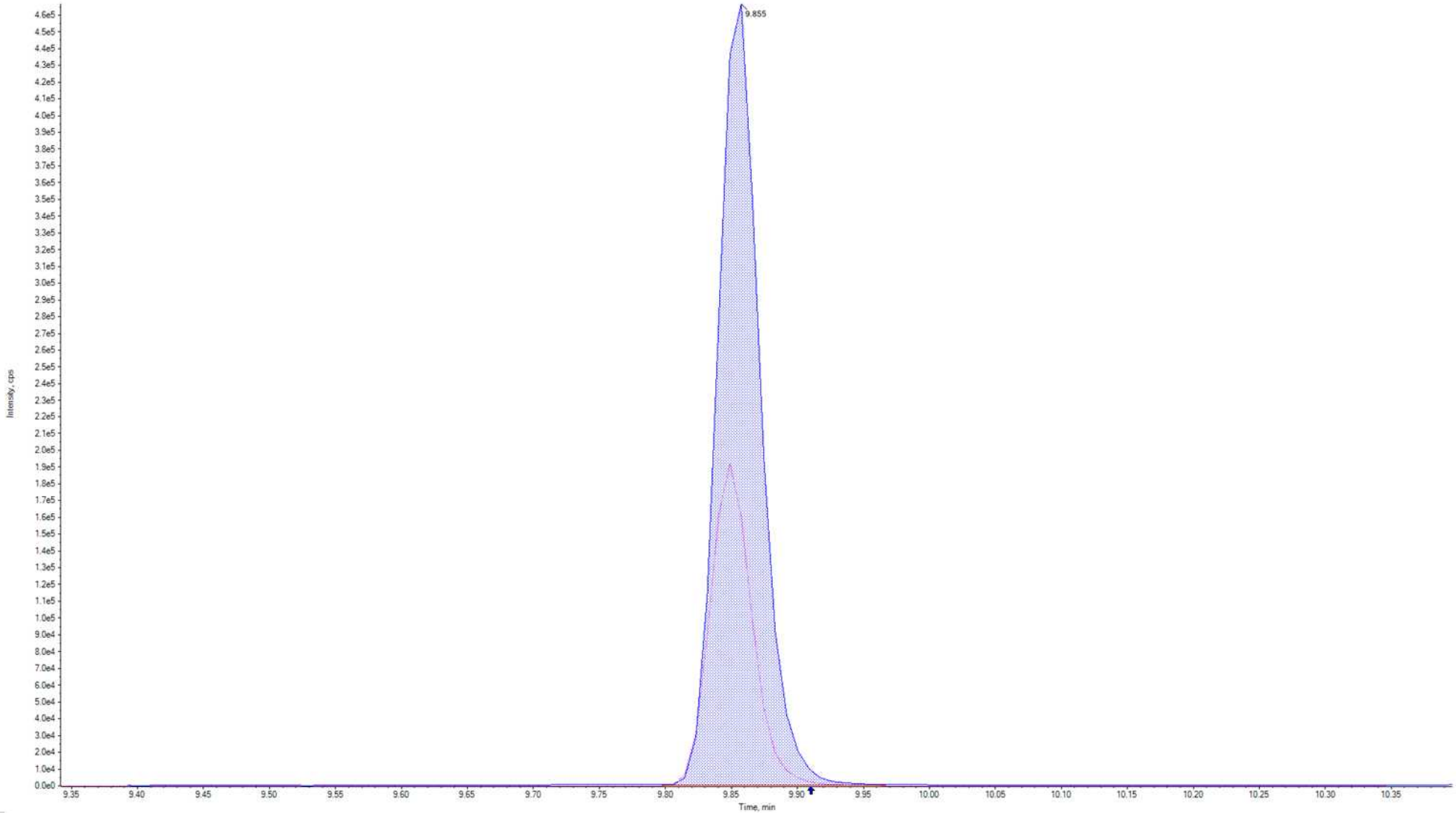

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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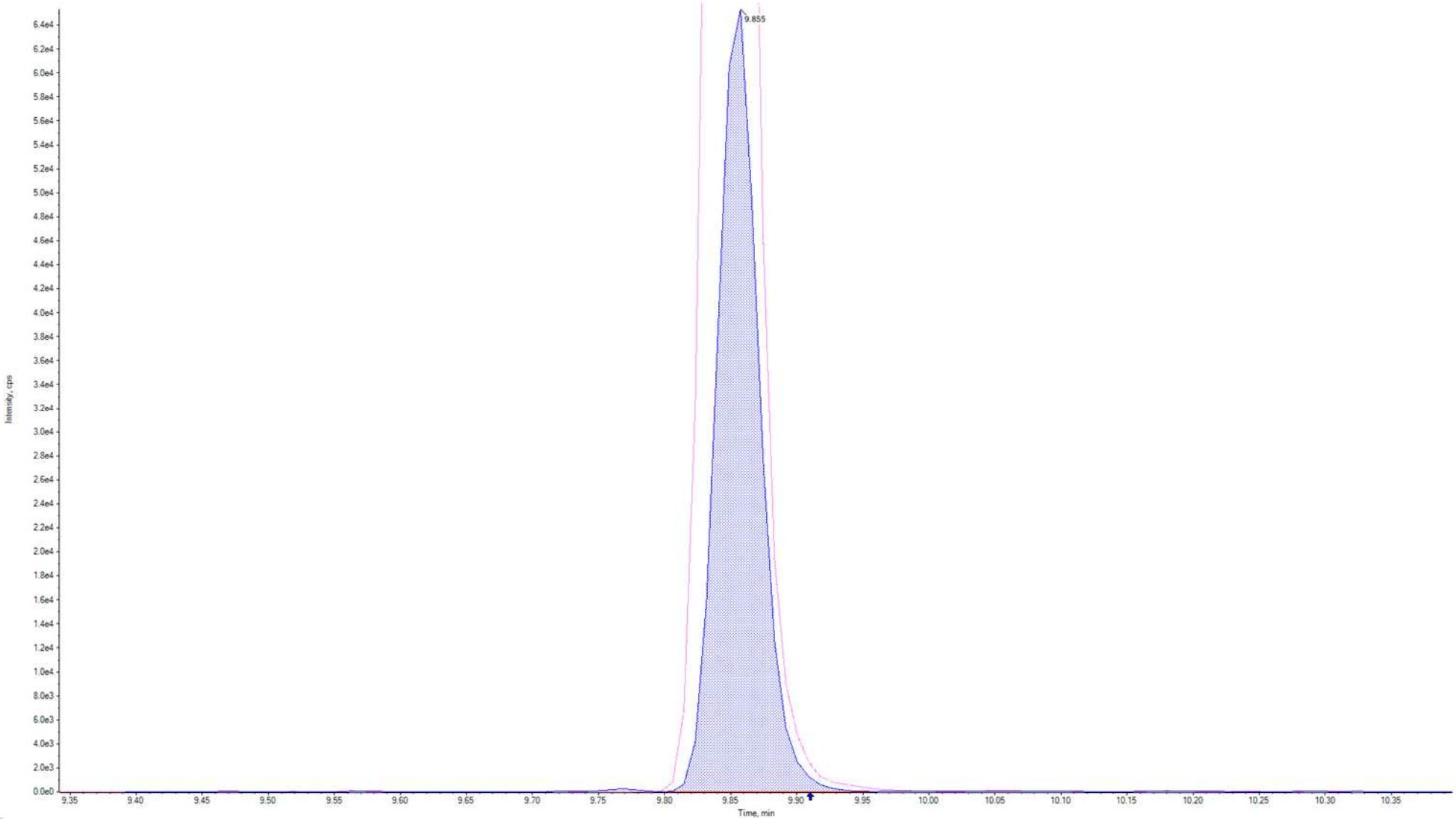
PFTeDA_2
Sample: WG1972930-3,1633MED S/N:1673.1 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFBS
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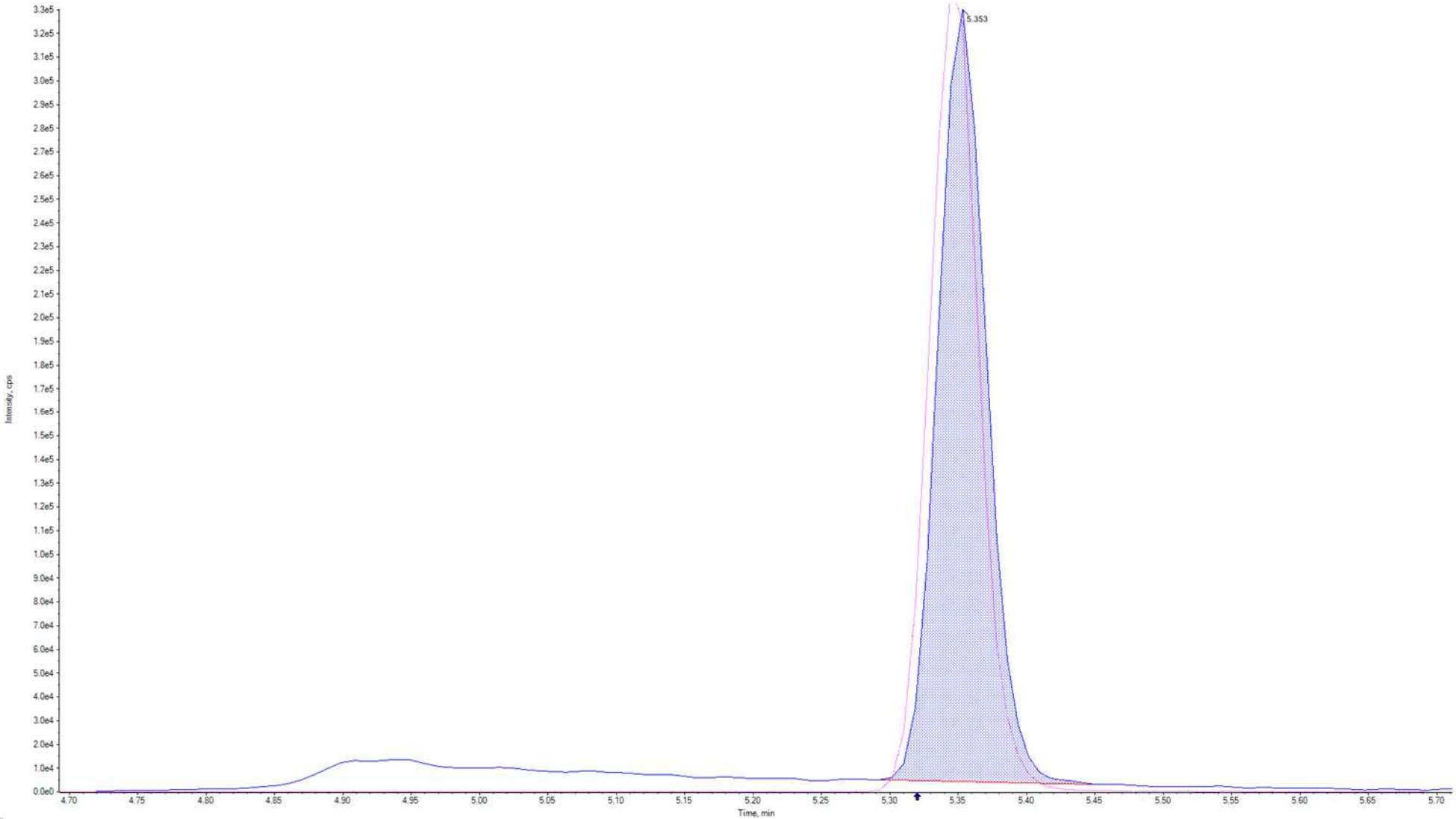

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFBS_2
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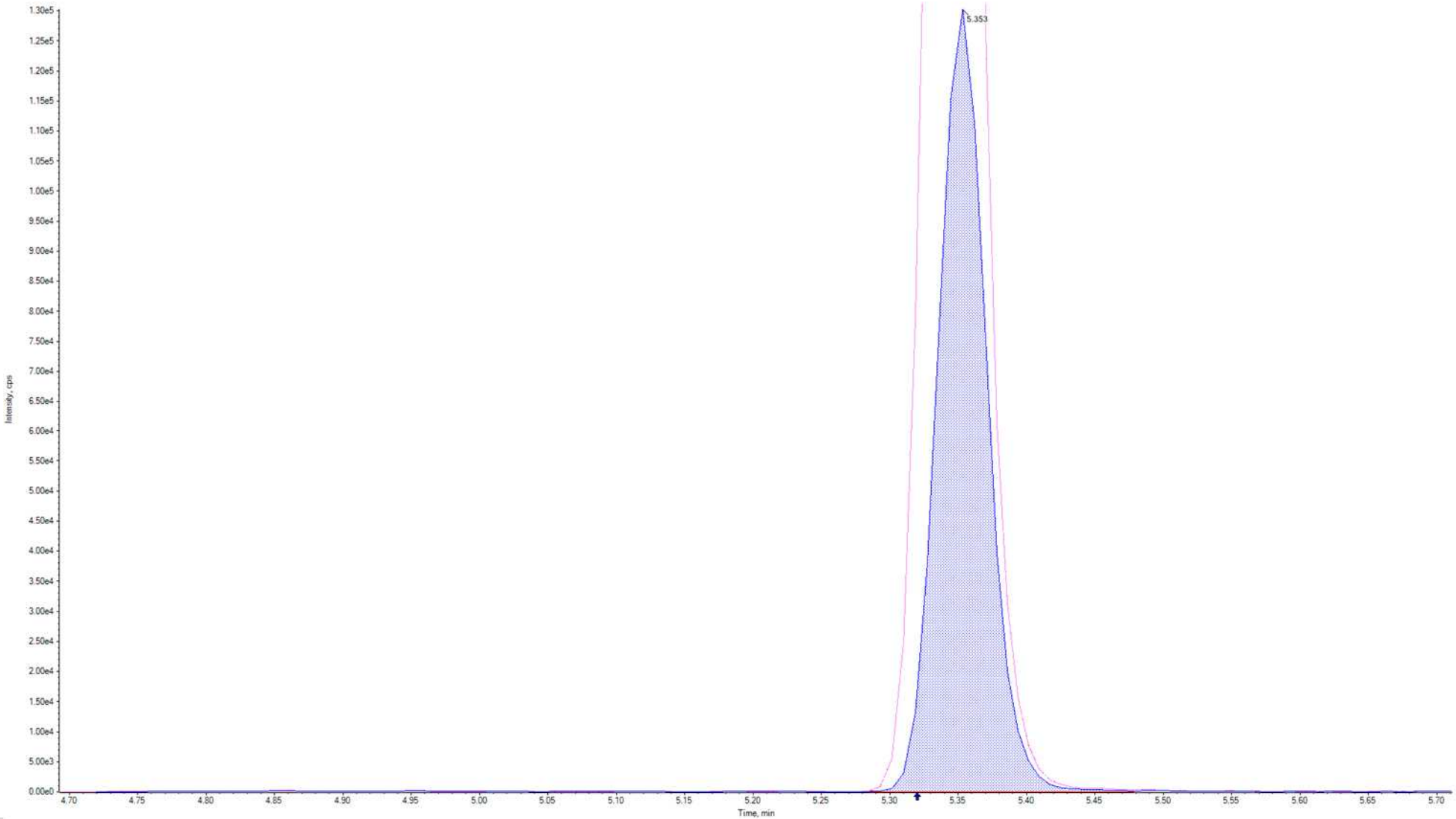

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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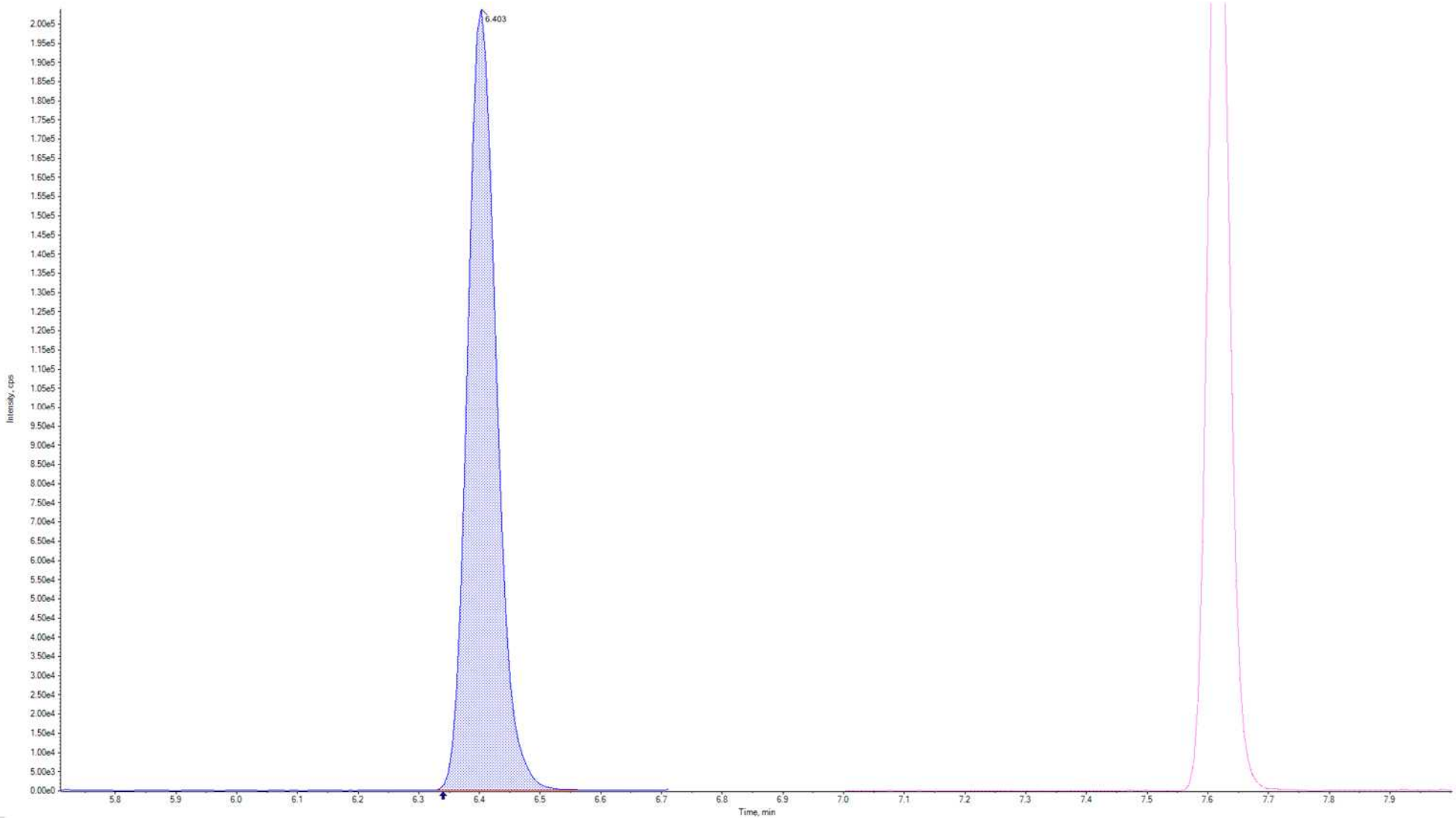
PFPeS
Sample: WG1972930-3,1633MED S/N:3689.3 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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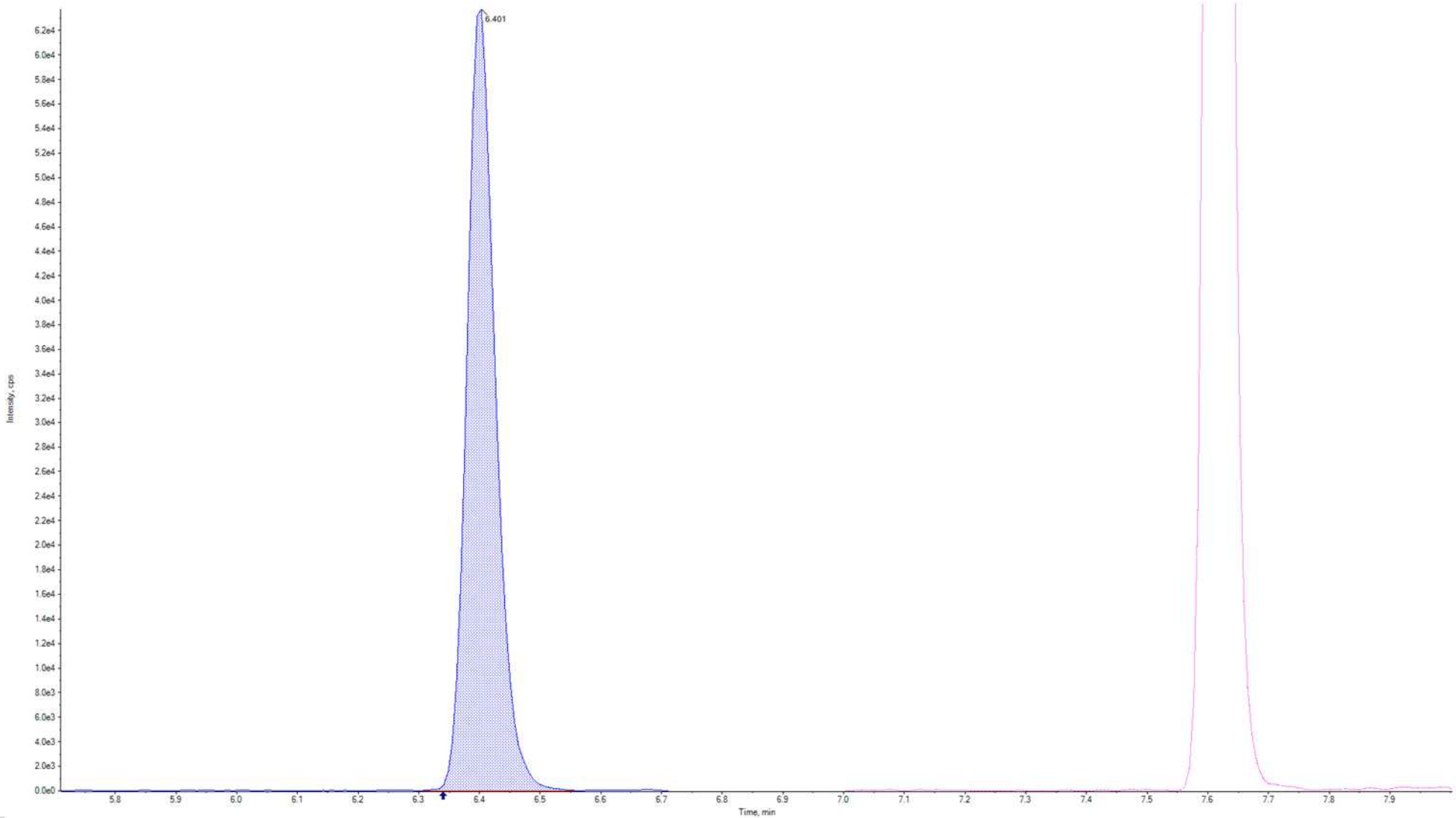
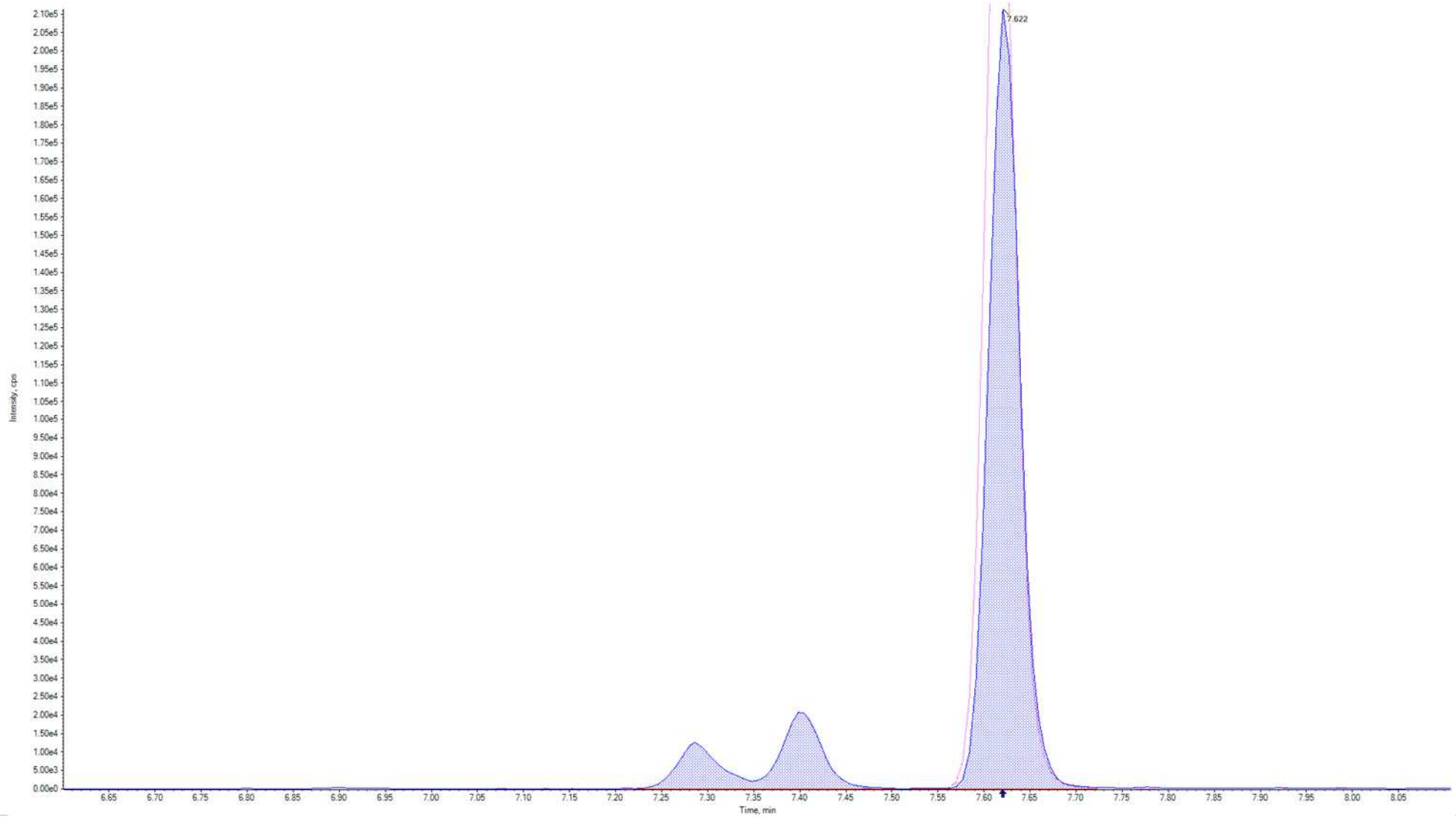
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: WG1972930-3,1633MED S/N:6323.7 Points Across peak:40



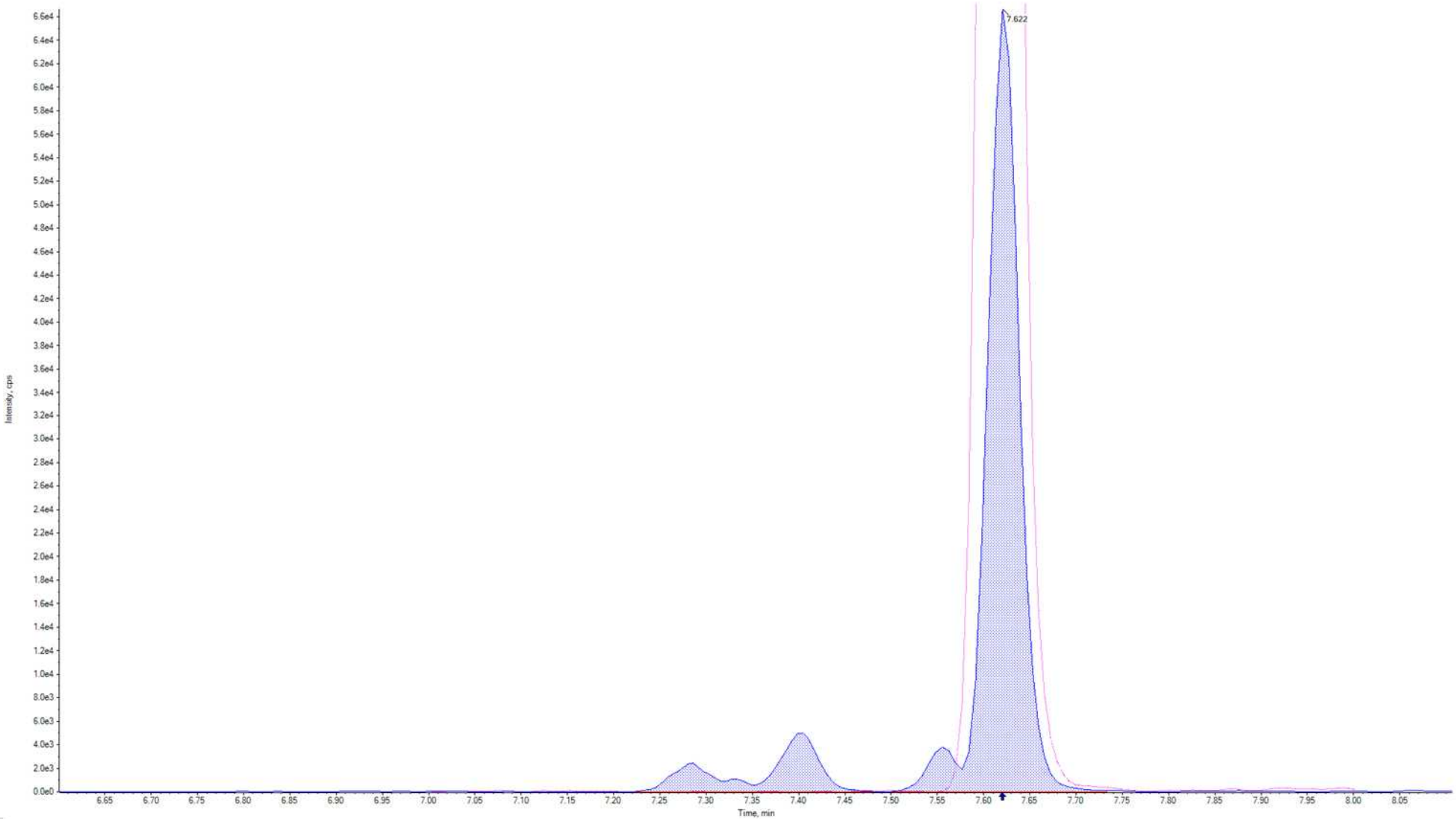
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: WG1972930-3,1633MED S/N:42437.9 Points Across peak:82



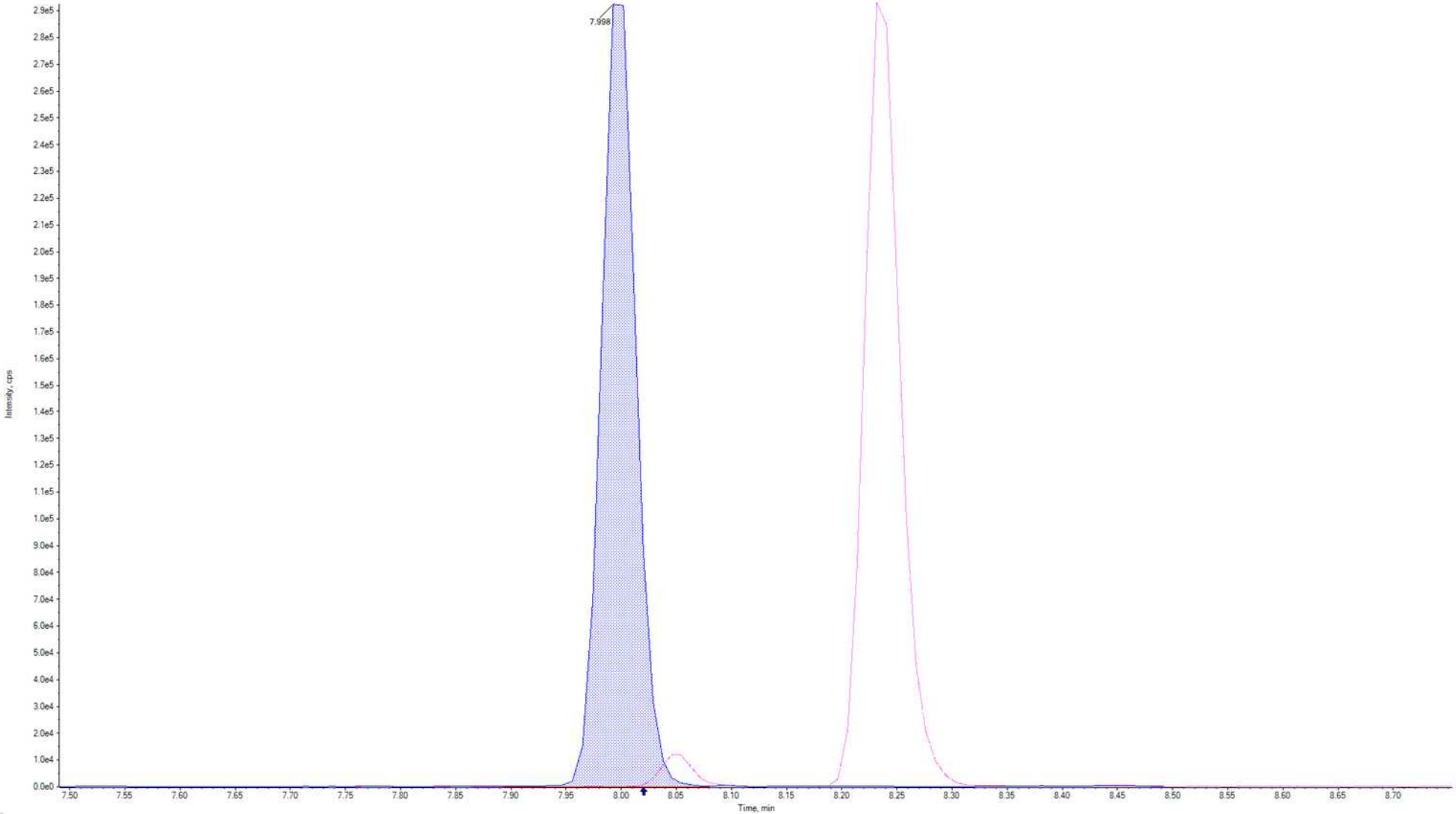
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: WG1972930-3,1633MED S/N:20379951.5 Points Across peak:84



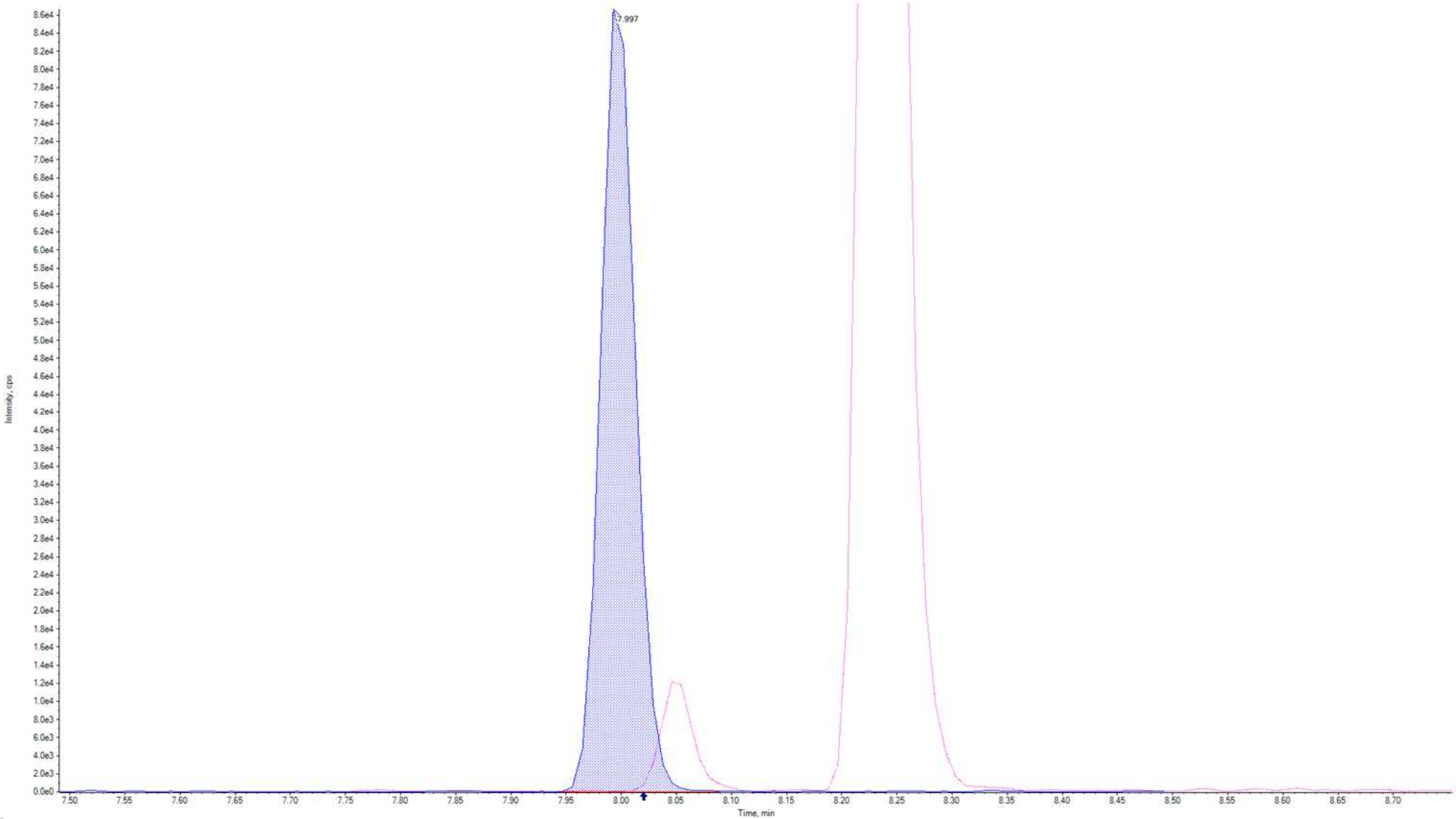
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: WG1972930-3,1633MED S/N:6025.9 Points Across peak:22



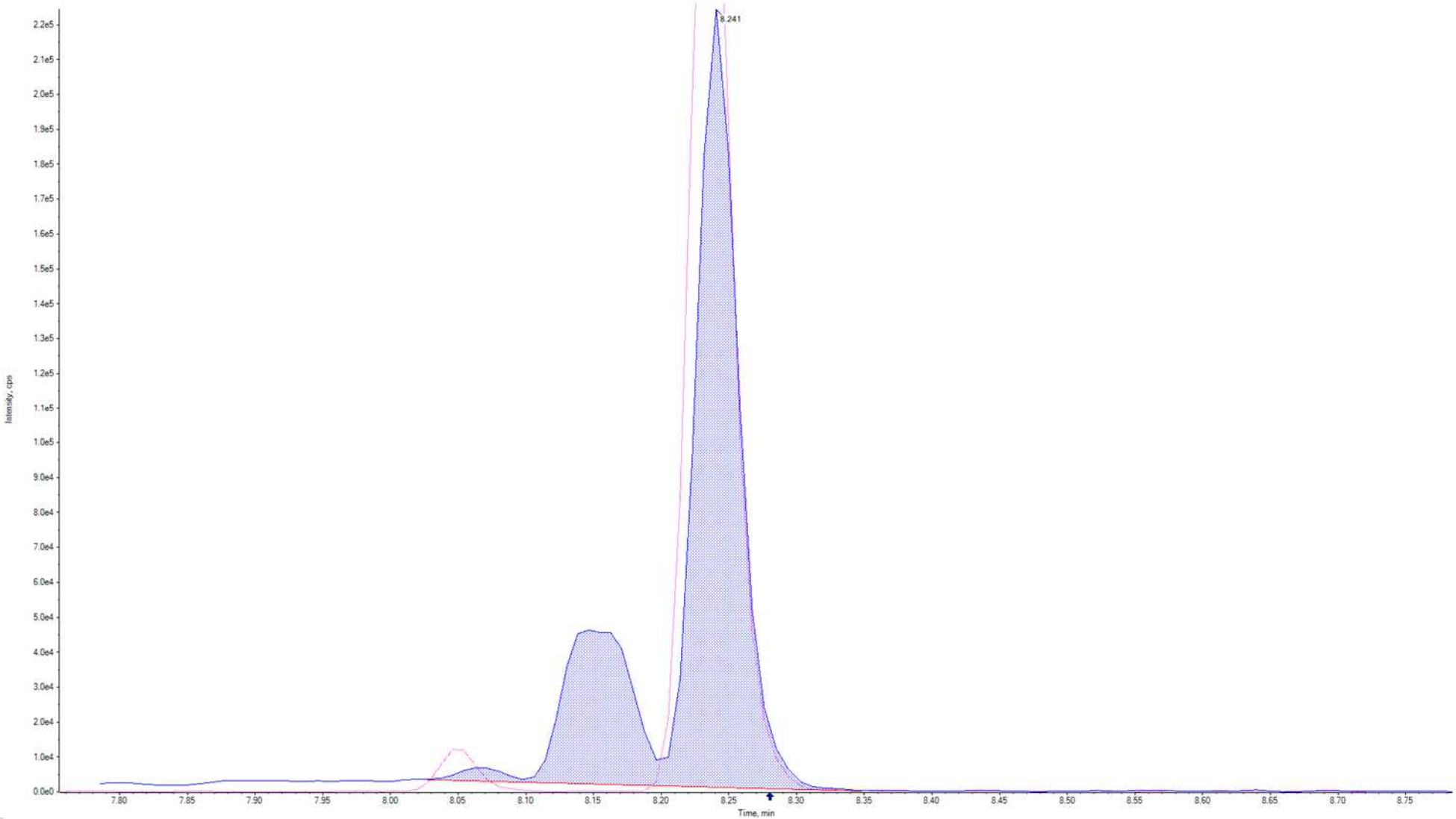
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: WG1972930-3,1633MED S/N:725349.5 Points Across peak:18



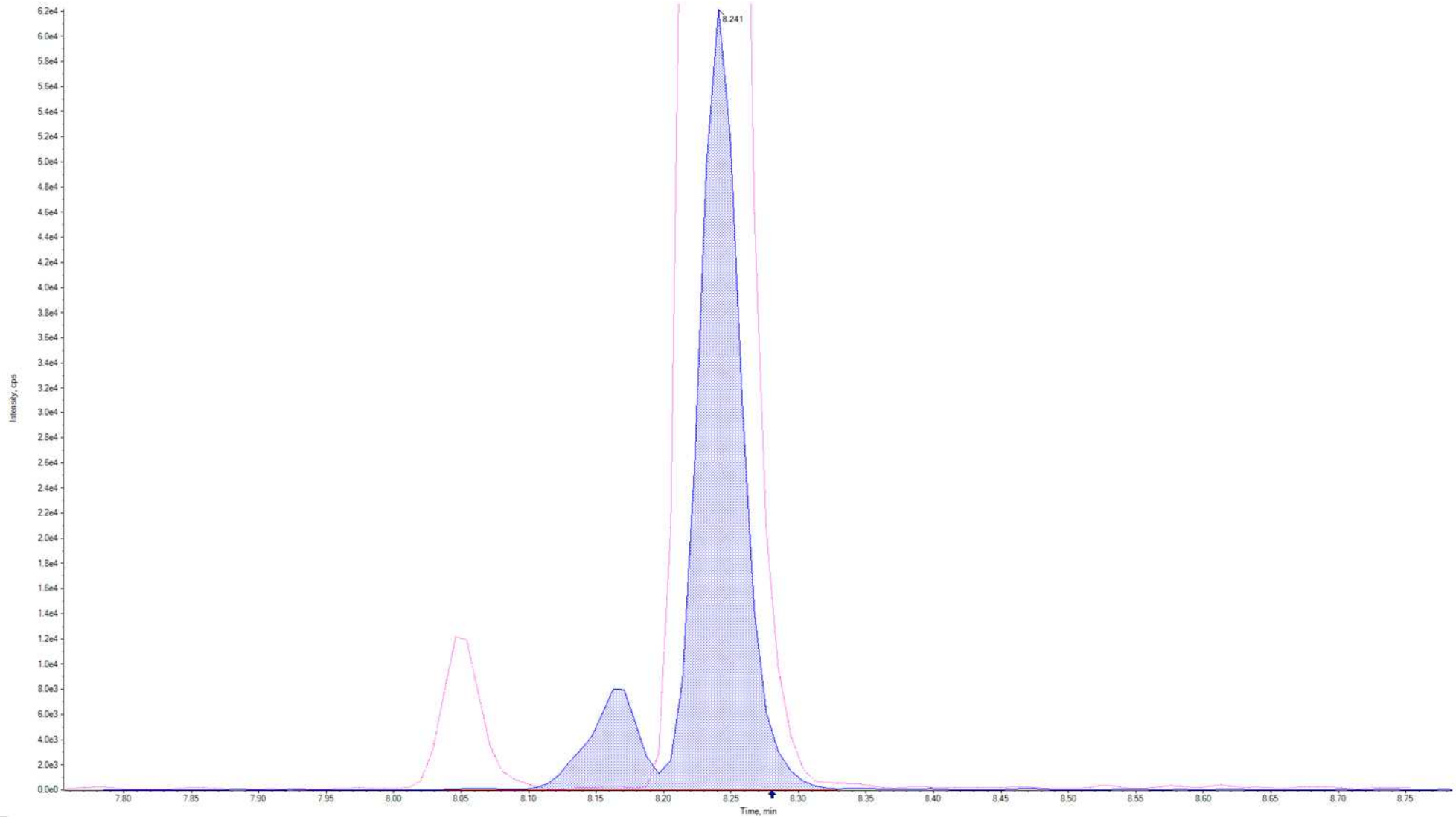
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: WG1972930-3,1633MED S/N:1464.3 Points Across peak:40



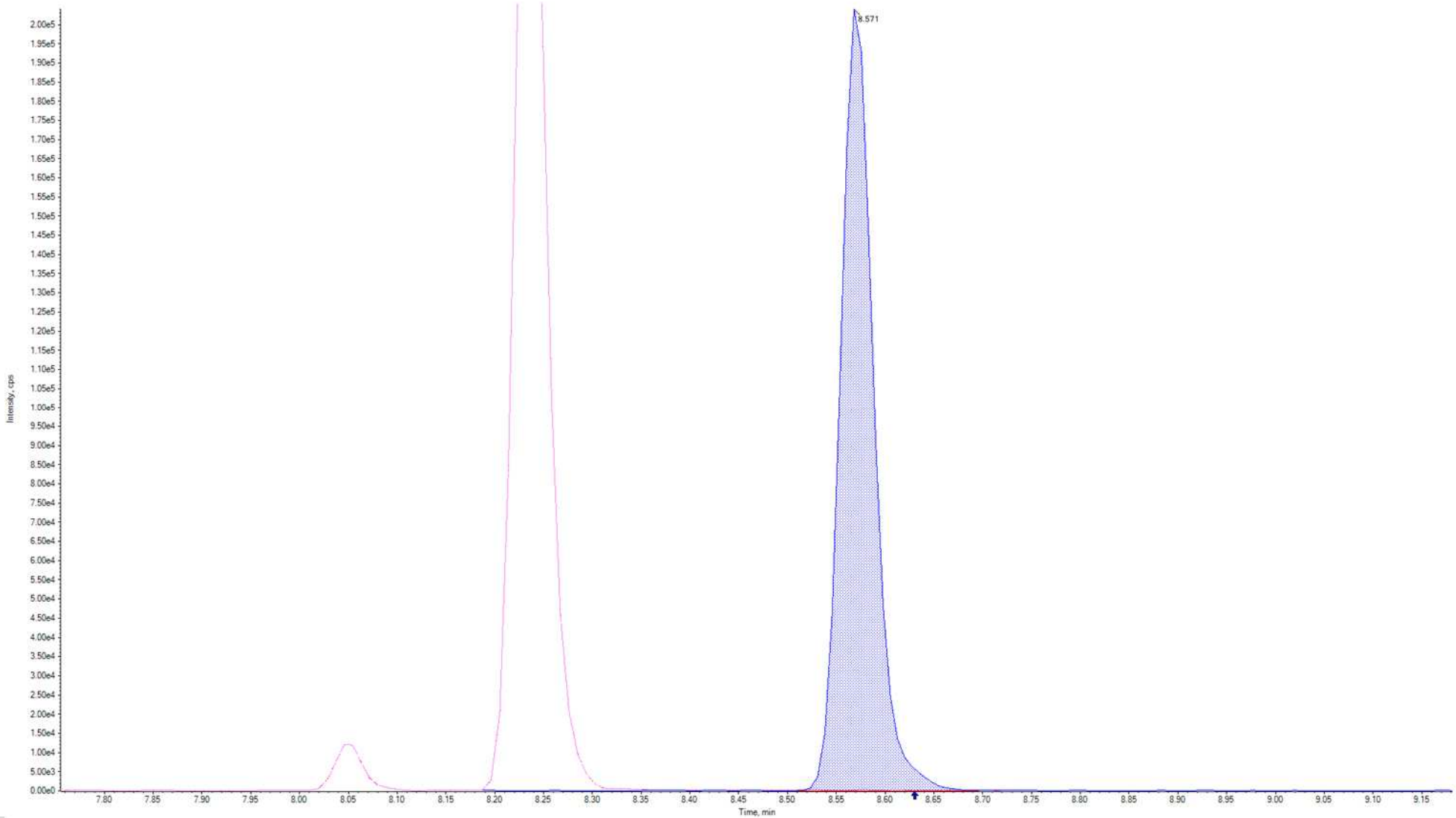
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: WG1972930-3,1633MED S/N:1395.2 Points Across peak:37



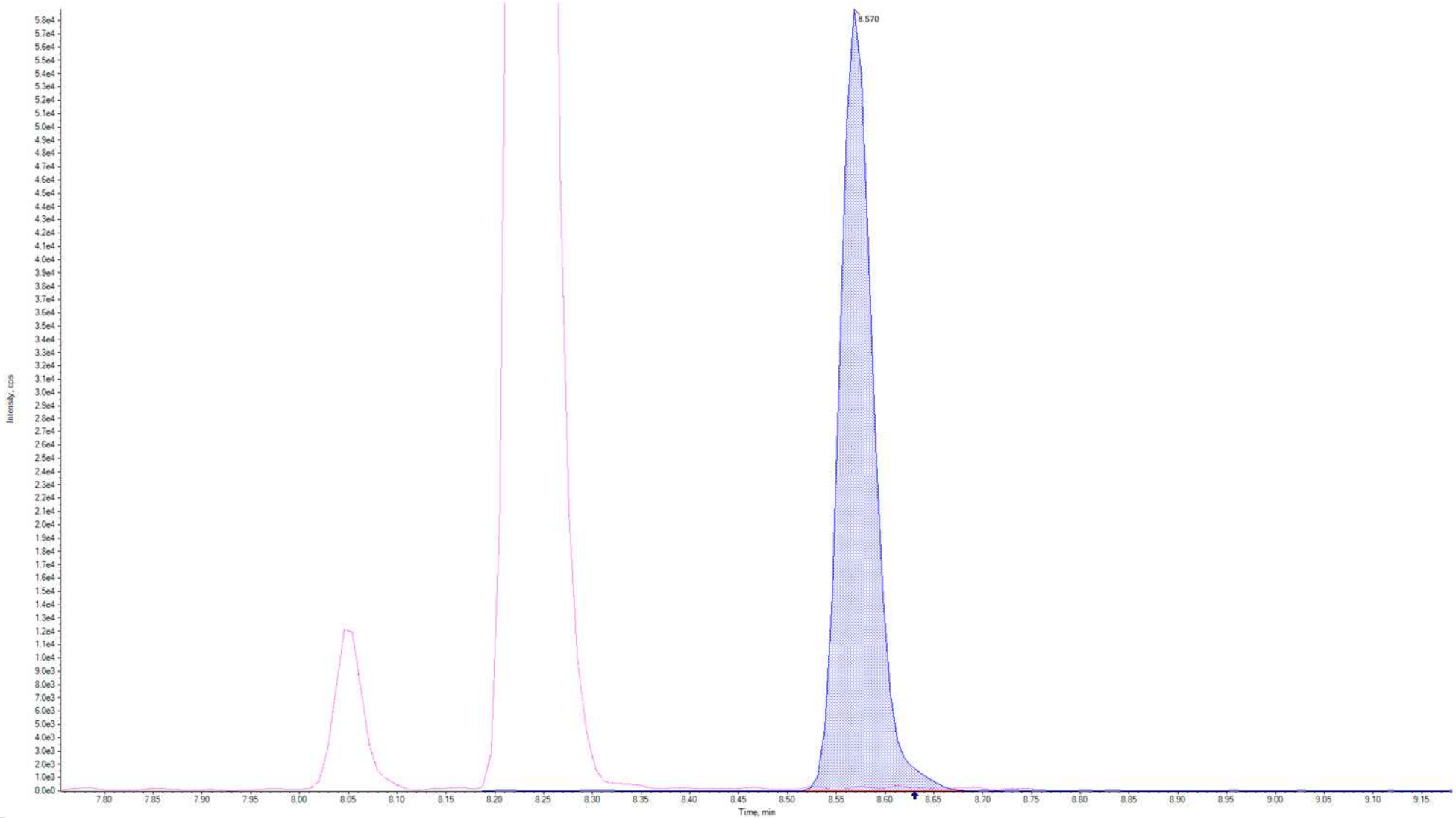
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: WG1972930-3,1633MED S/N:6390.6 Points Across peak:31



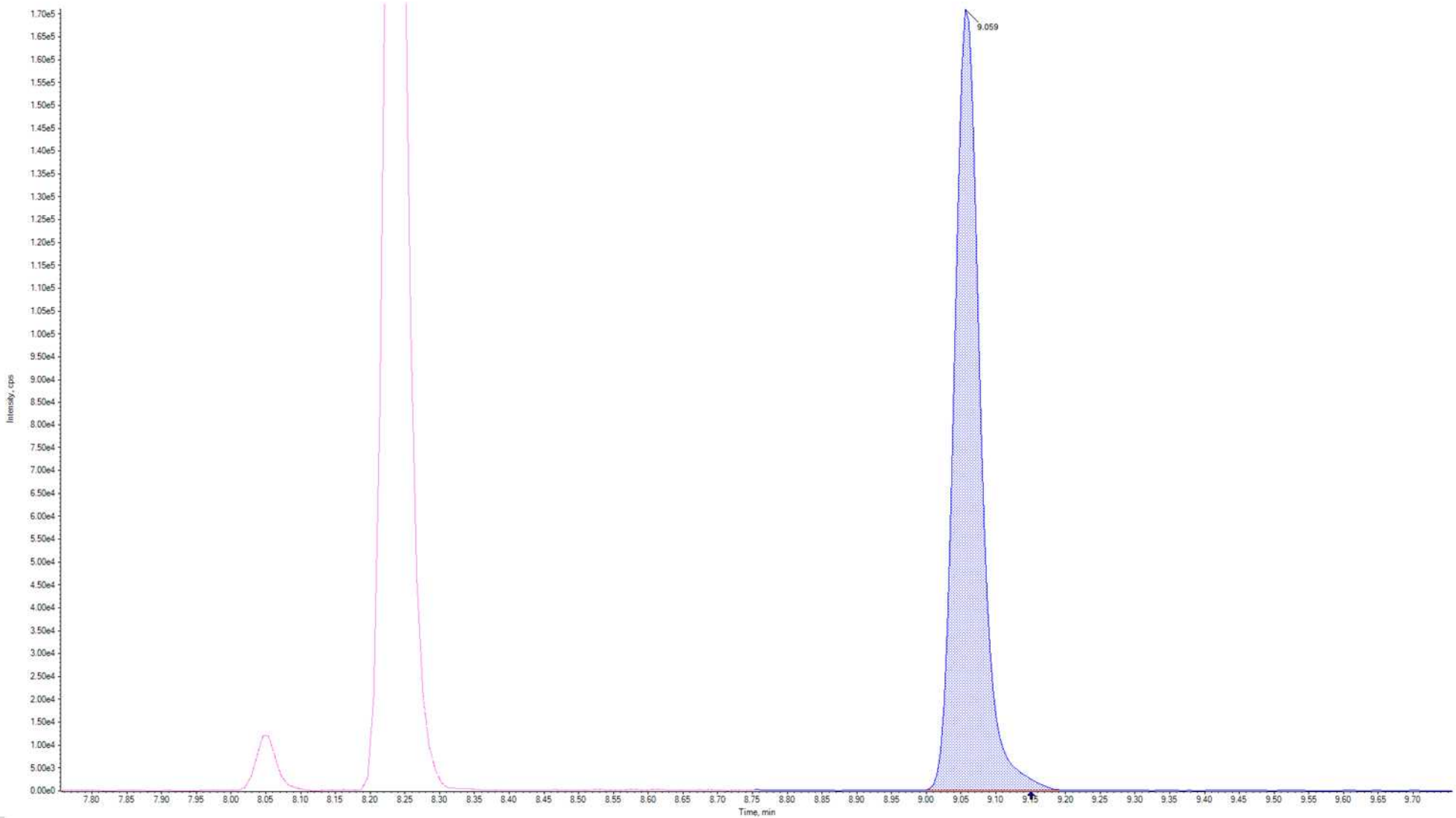
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: WG1972930-3,1633MED S/N:2796.8 Points Across peak:27



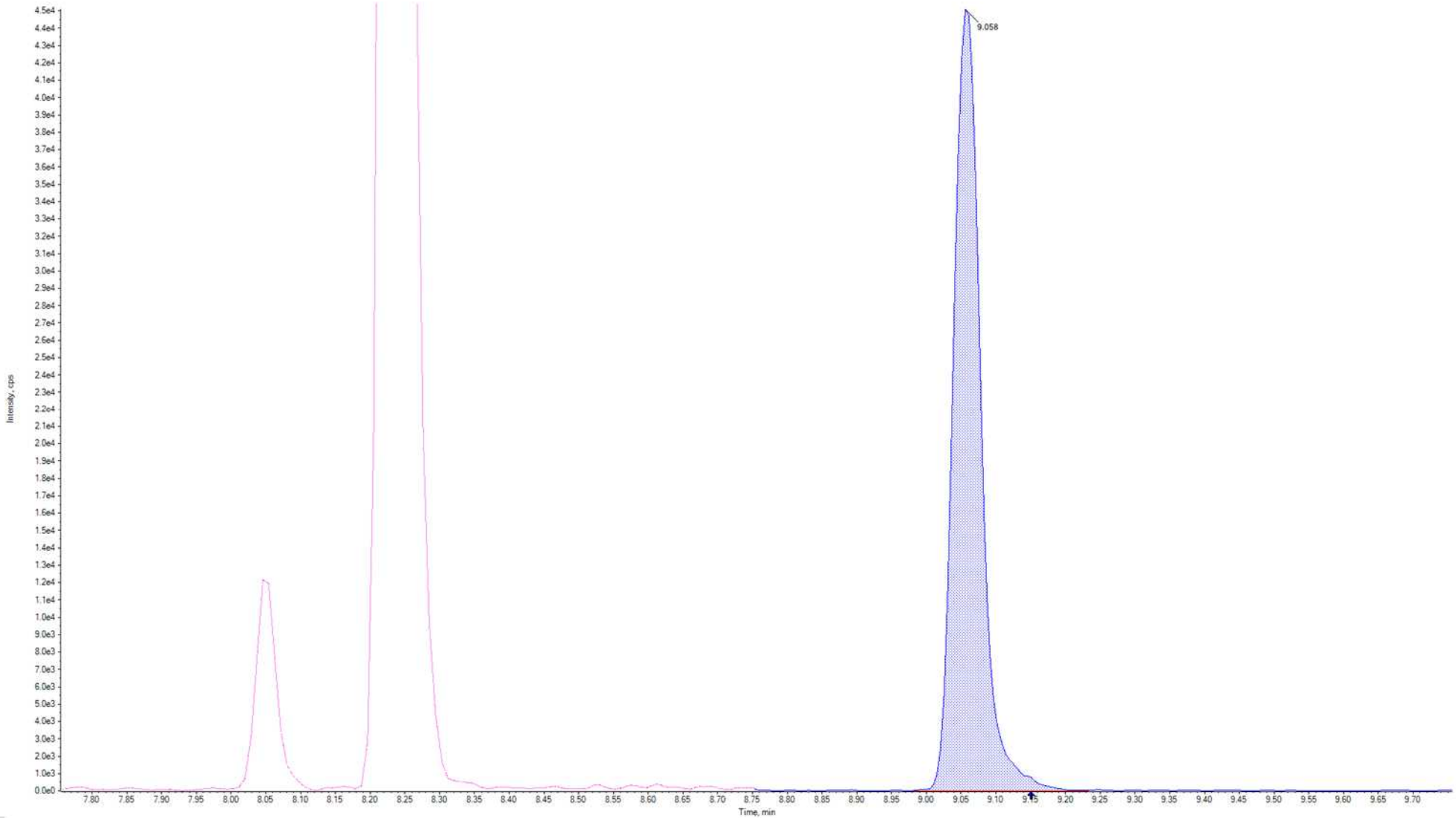
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
Sample: WG1972930-3,1633MED S/N:4693.9 Points Across peak:43



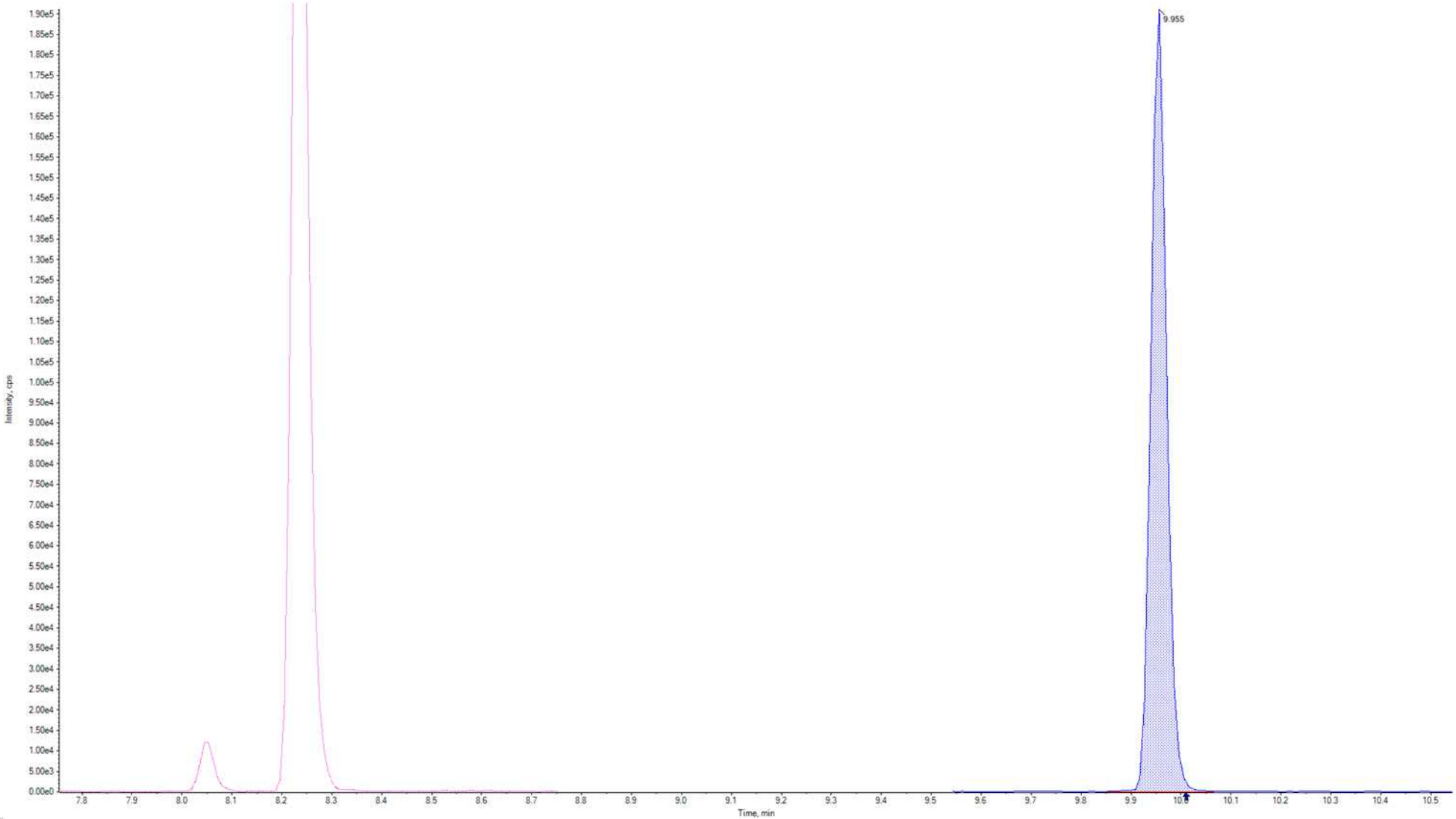
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: WG1972930-3,1633MED S/N:2217.3 Points Across peak:52



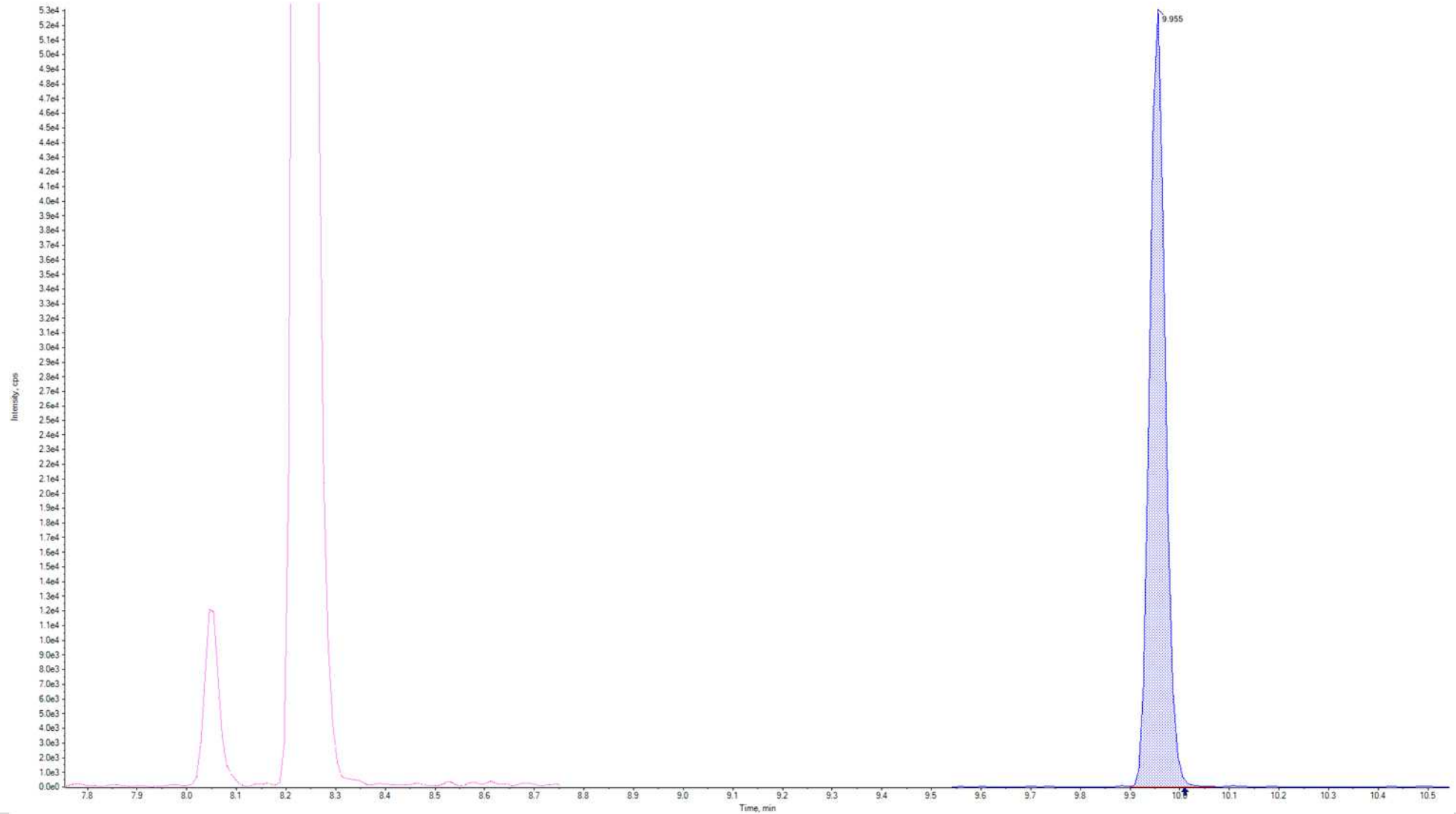
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: WG1972930-3,1633MED S/N:4459.8 Points Across peak:25



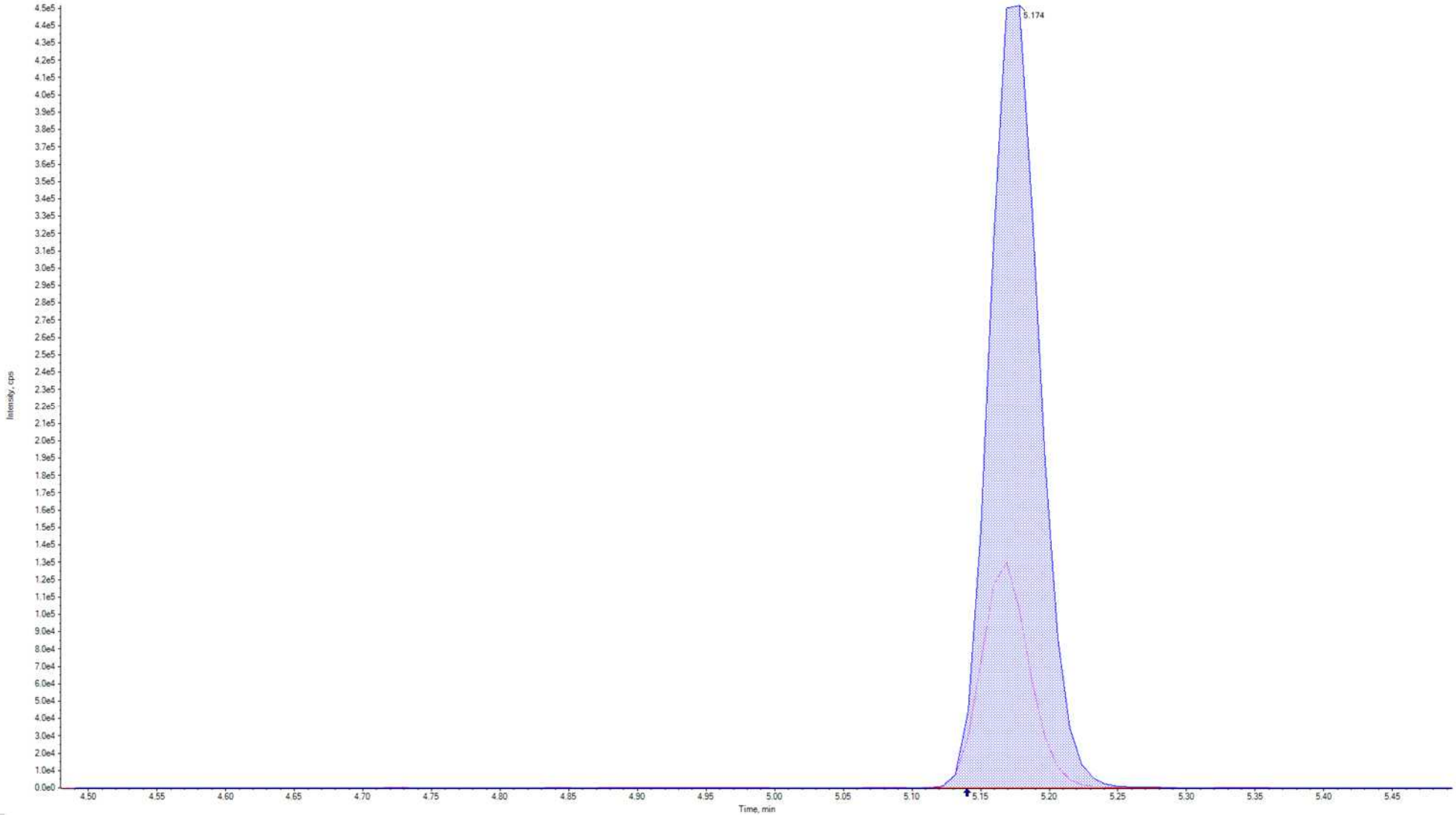
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: WG1972930-3,1633MED S/N:7103534.4 Points Across peak:19



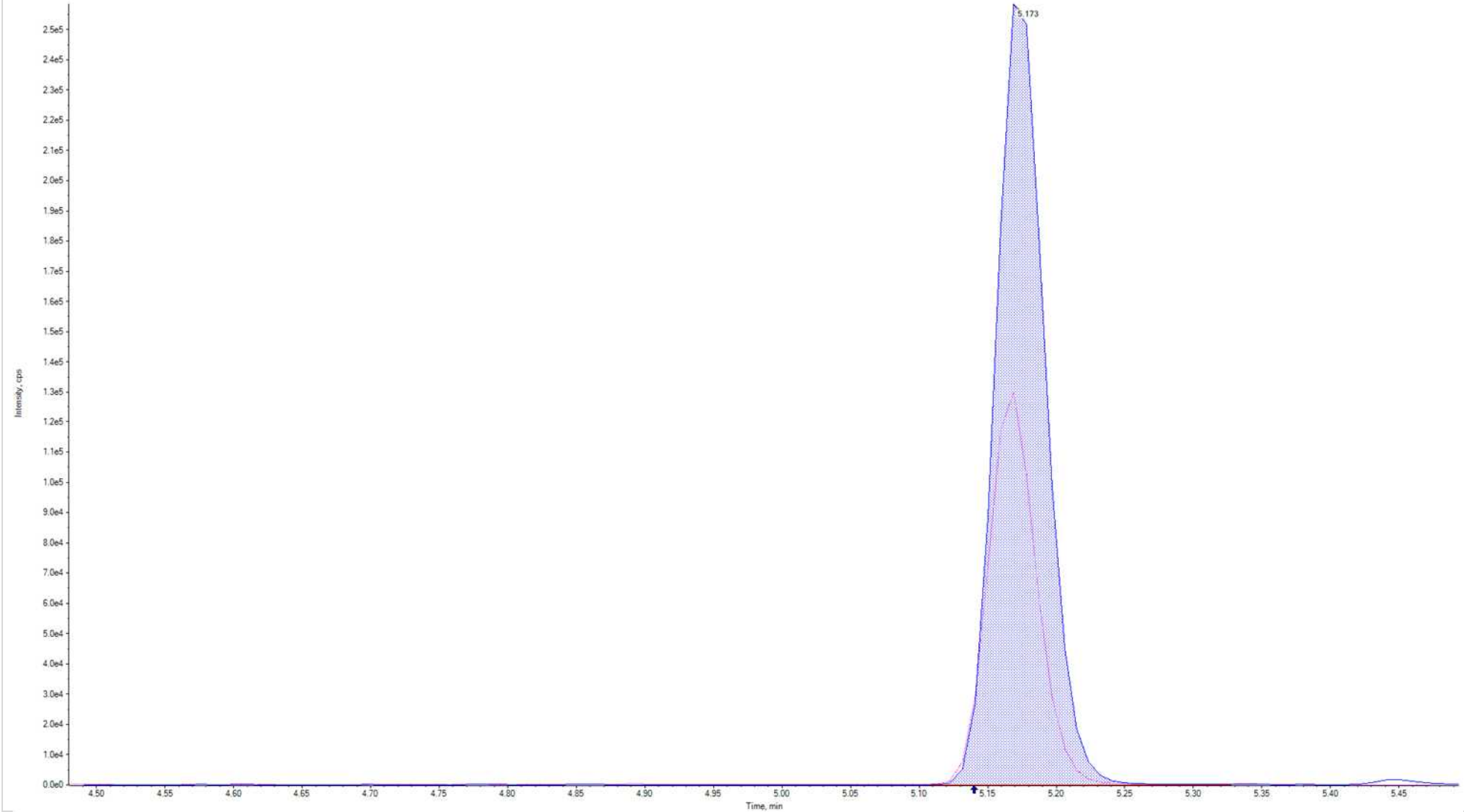
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: WG1972930-3,1633MED S/N:3434.3 Points Across peak:27



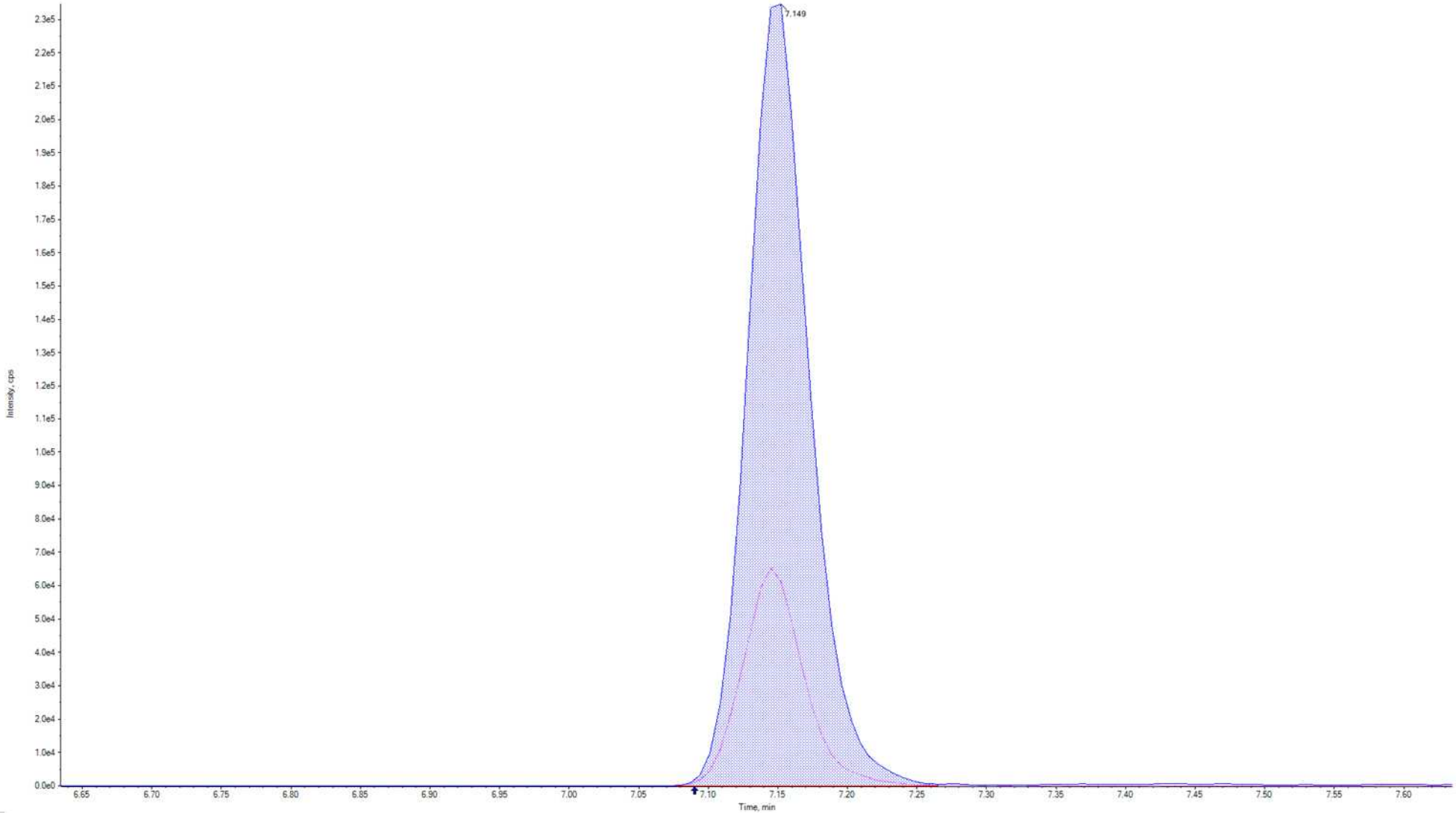
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS_2
Sample: WG1972930-3,1633MED S/N:3196.5 Points Across peak:27



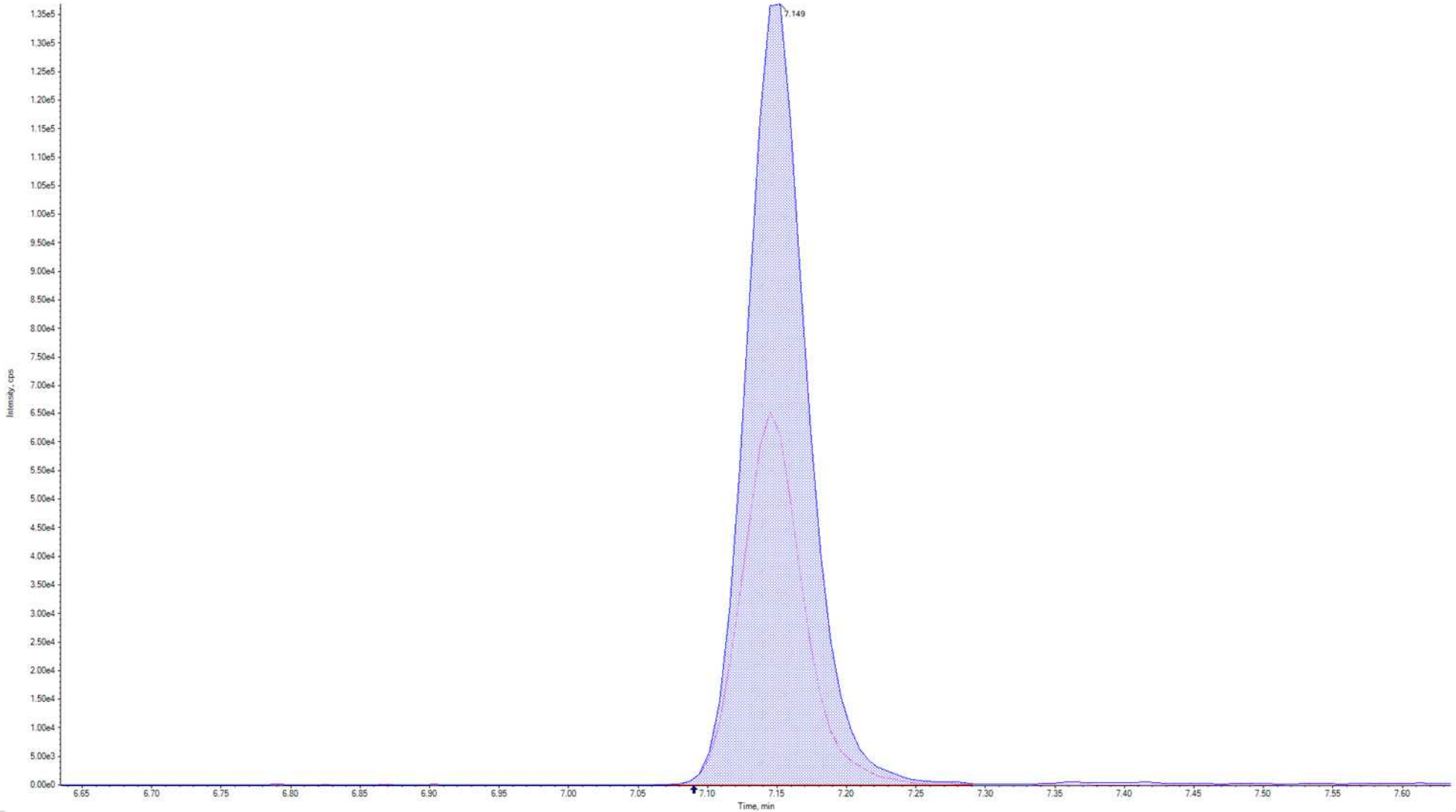
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS
Sample: WG1972930-3,1633MED S/N:43170508.9 Points Across peak:30



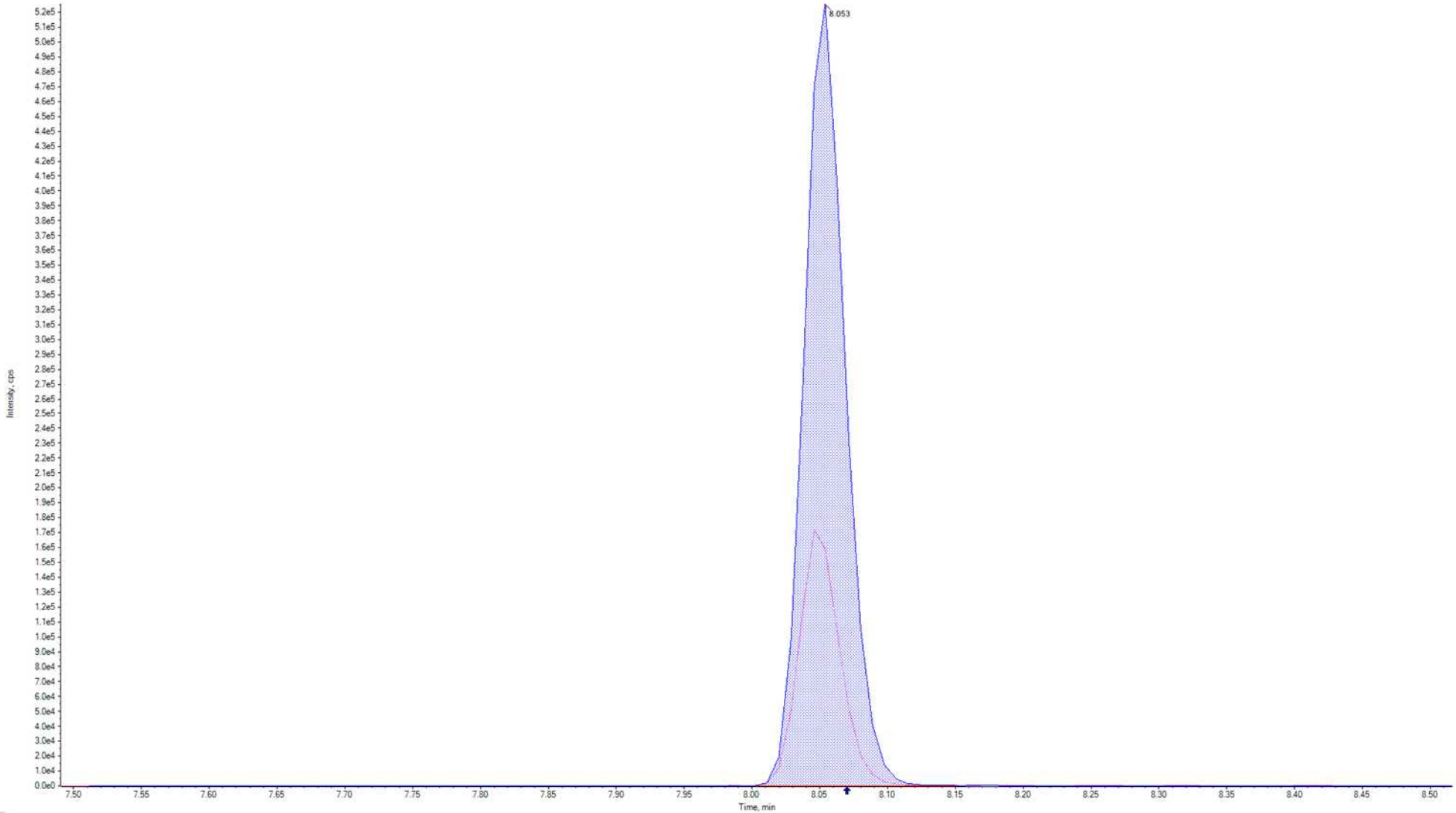
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS_2
Sample: WG1972930-3,1633MED S/N:220901.5 Points Across peak:40



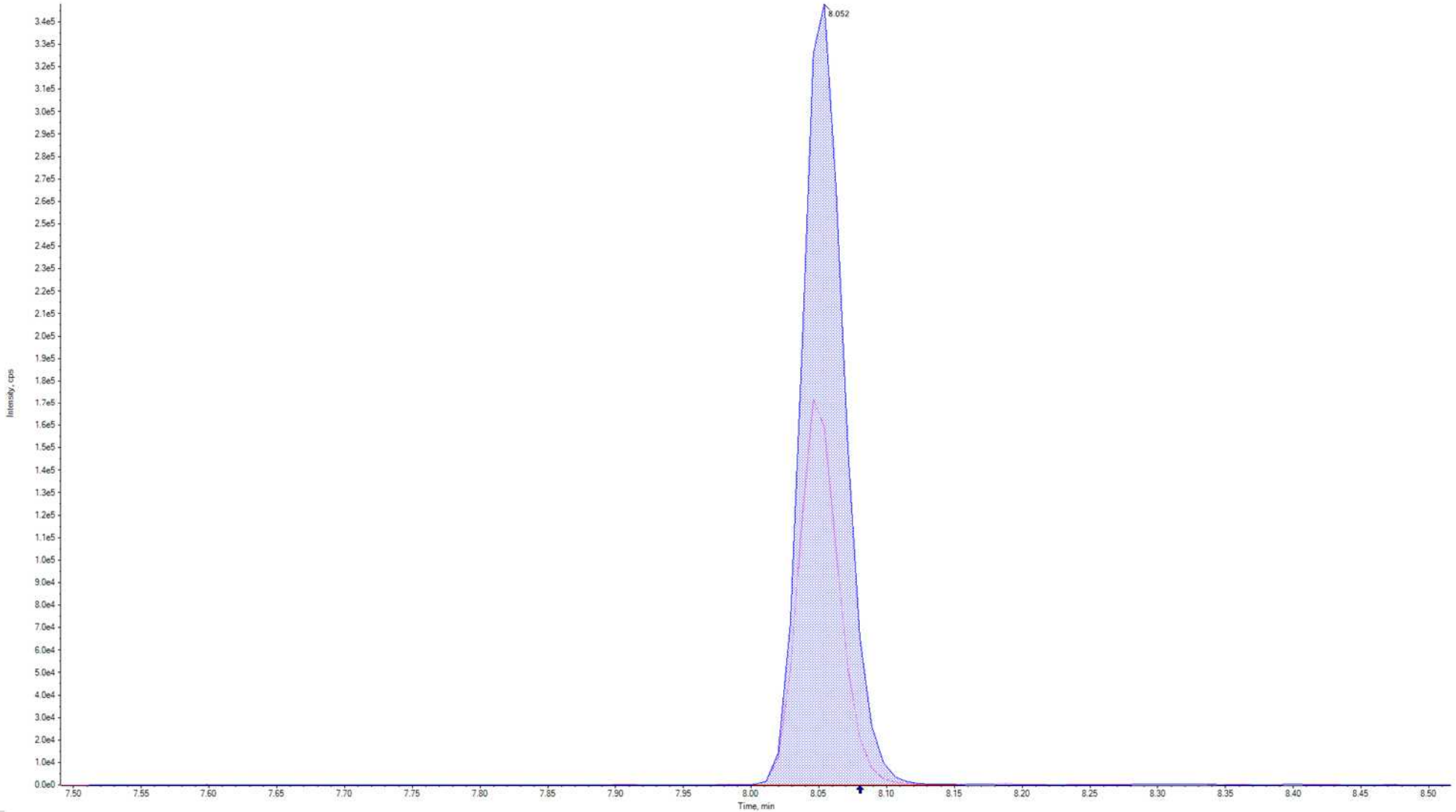
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS
Sample: WG1972930-3,1633MED S/N:19102.3 Points Across peak:25



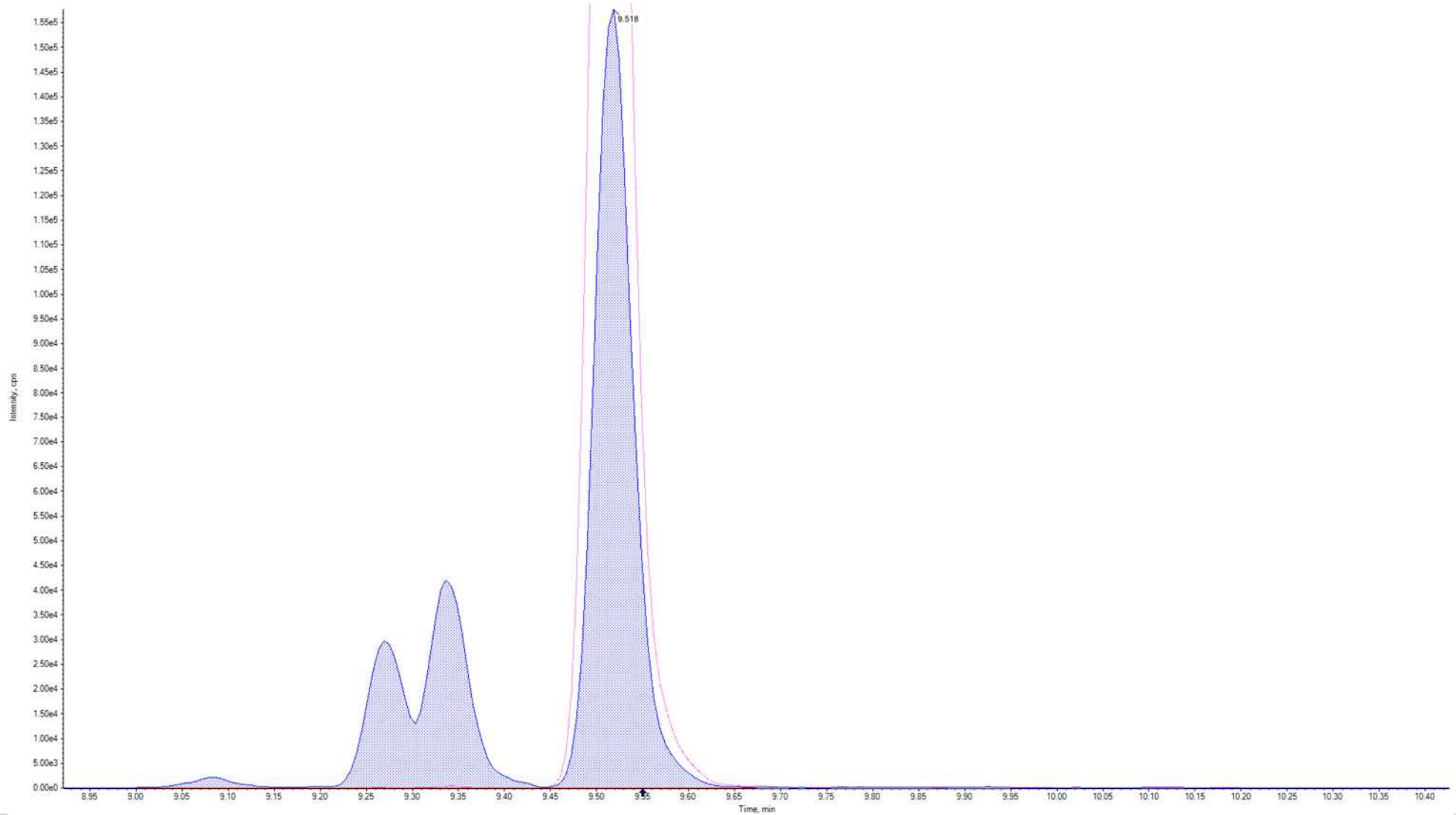
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS_2
Sample: WG1972930-3,1633MED S/N:1573002.8 Points Across peak:21



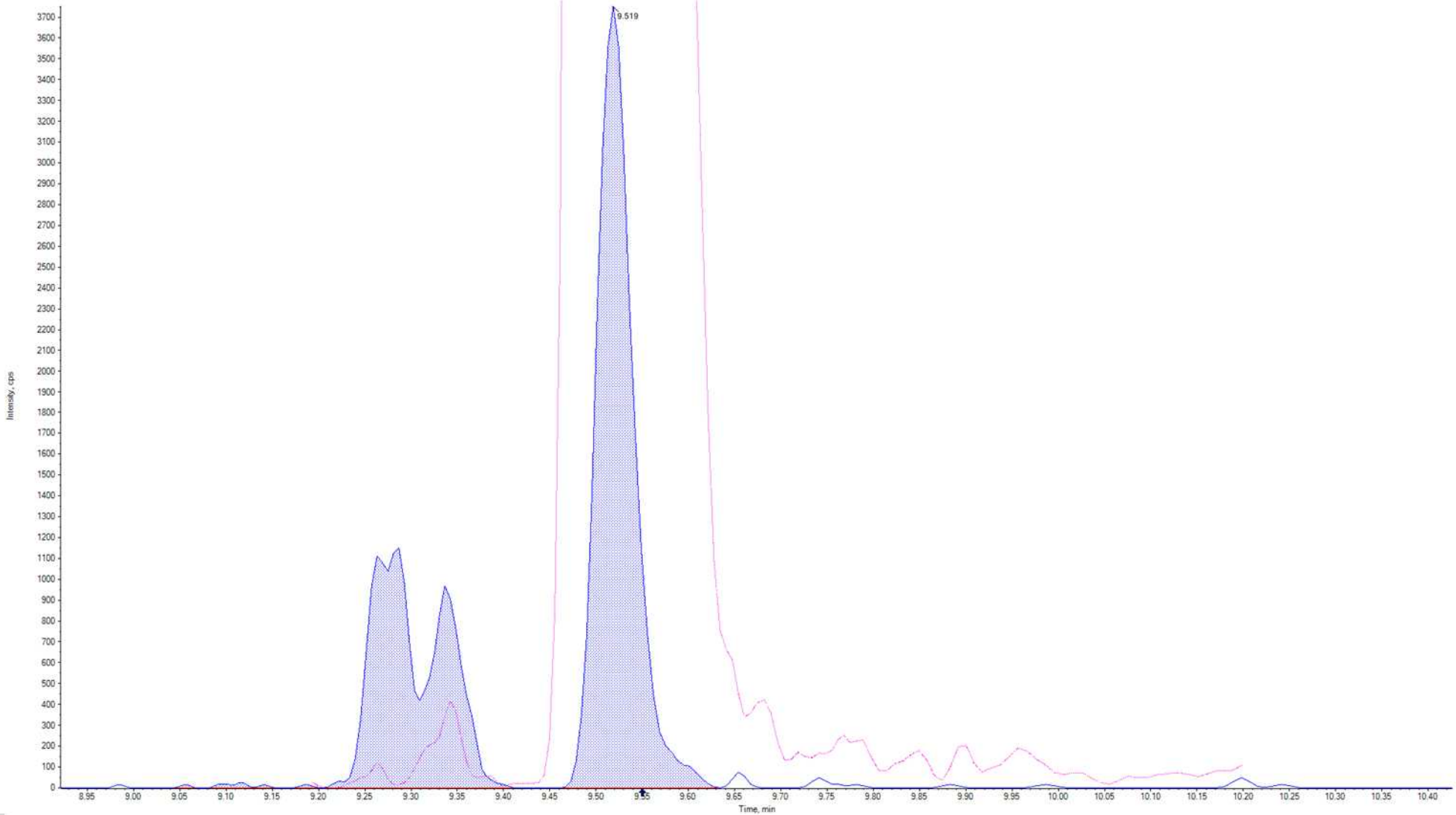
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA
Sample: WG1972930-3,1633MED S/N:2118258.2 Points Across peak:123



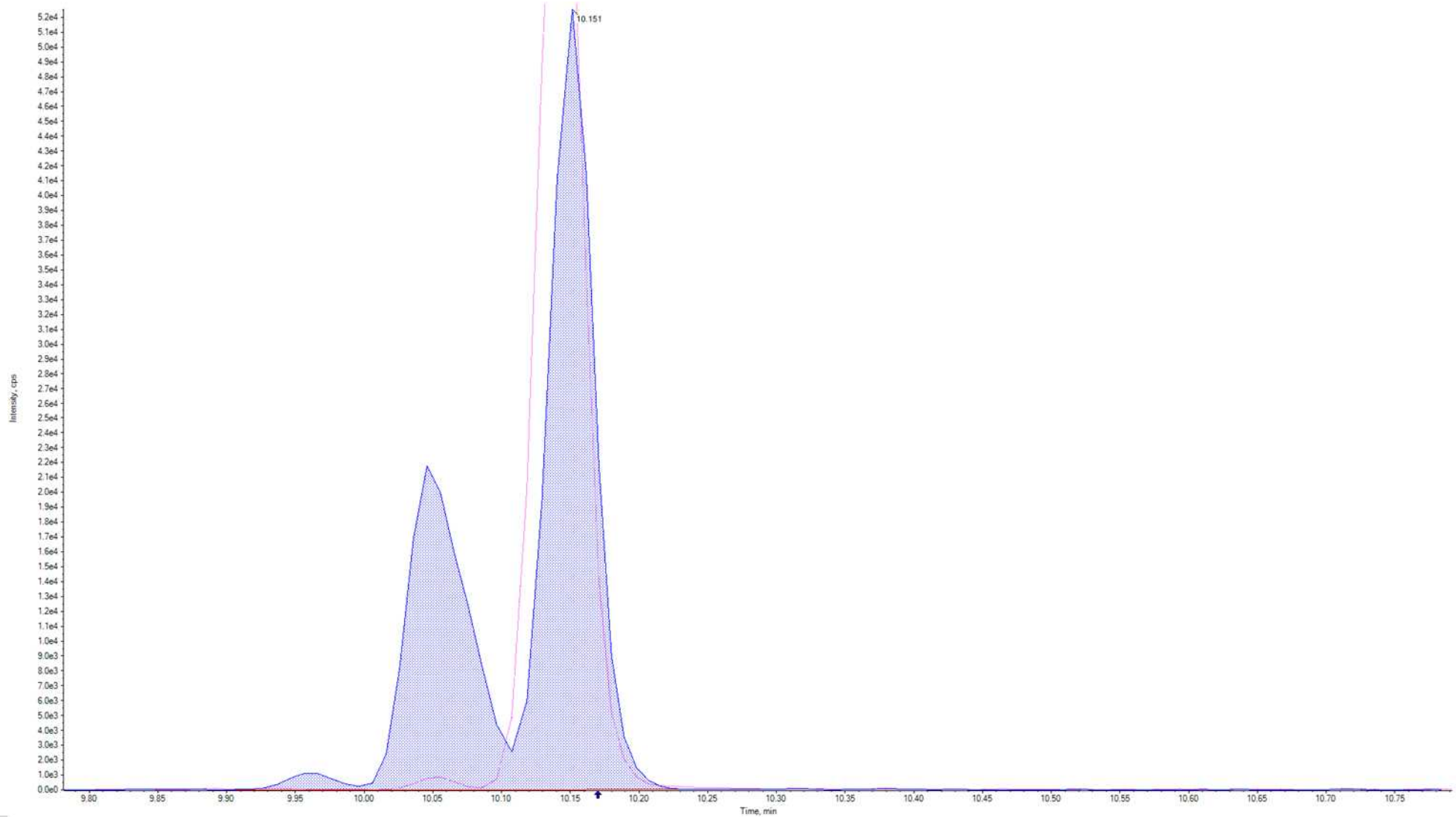
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA_2
Sample: WG1972930-3,1633MED S/N:786.0 Points Across peak:107



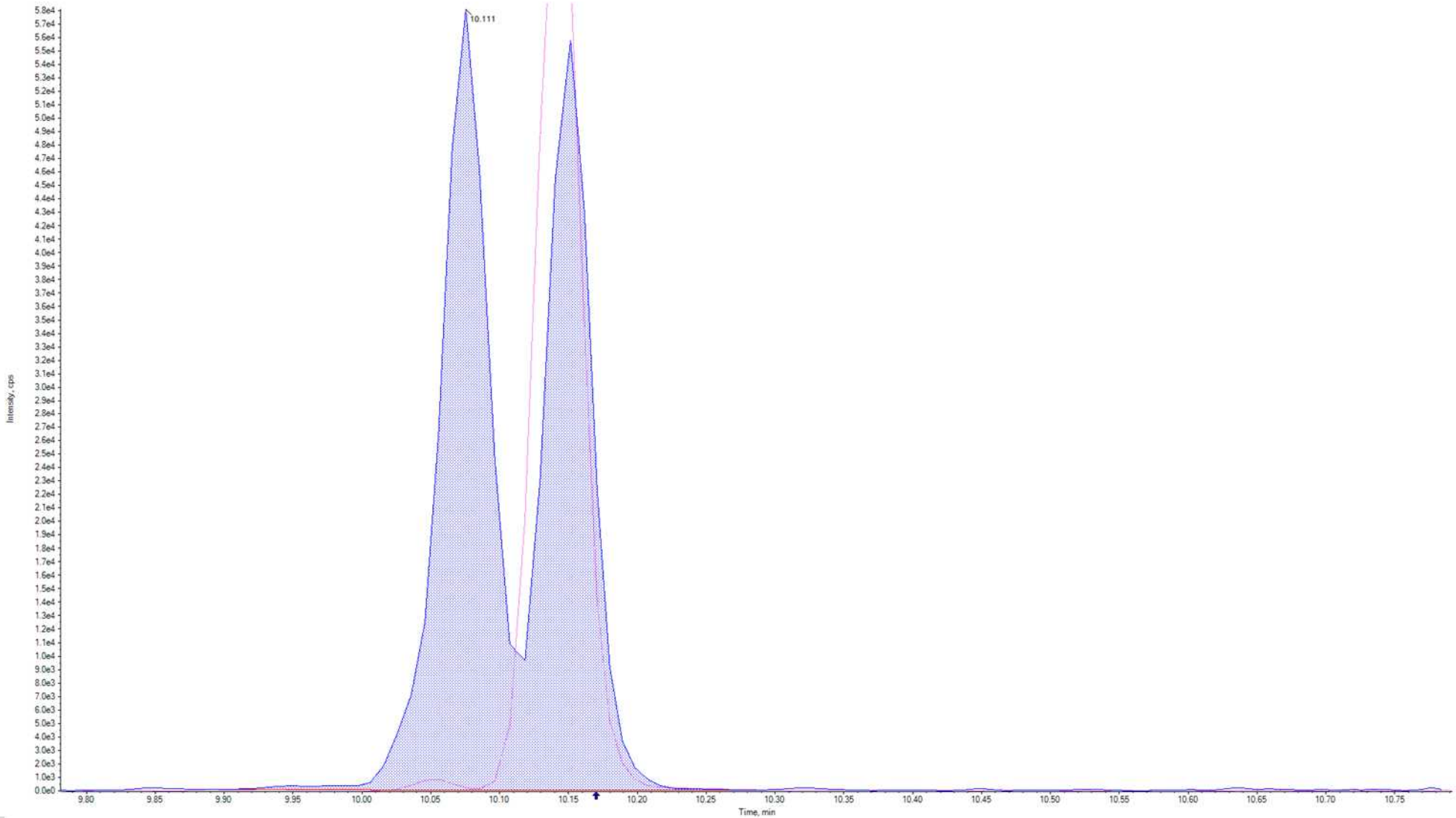
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA
Sample: WG1972930-3,1633MED S/N:8283283.7 Points Across peak:37

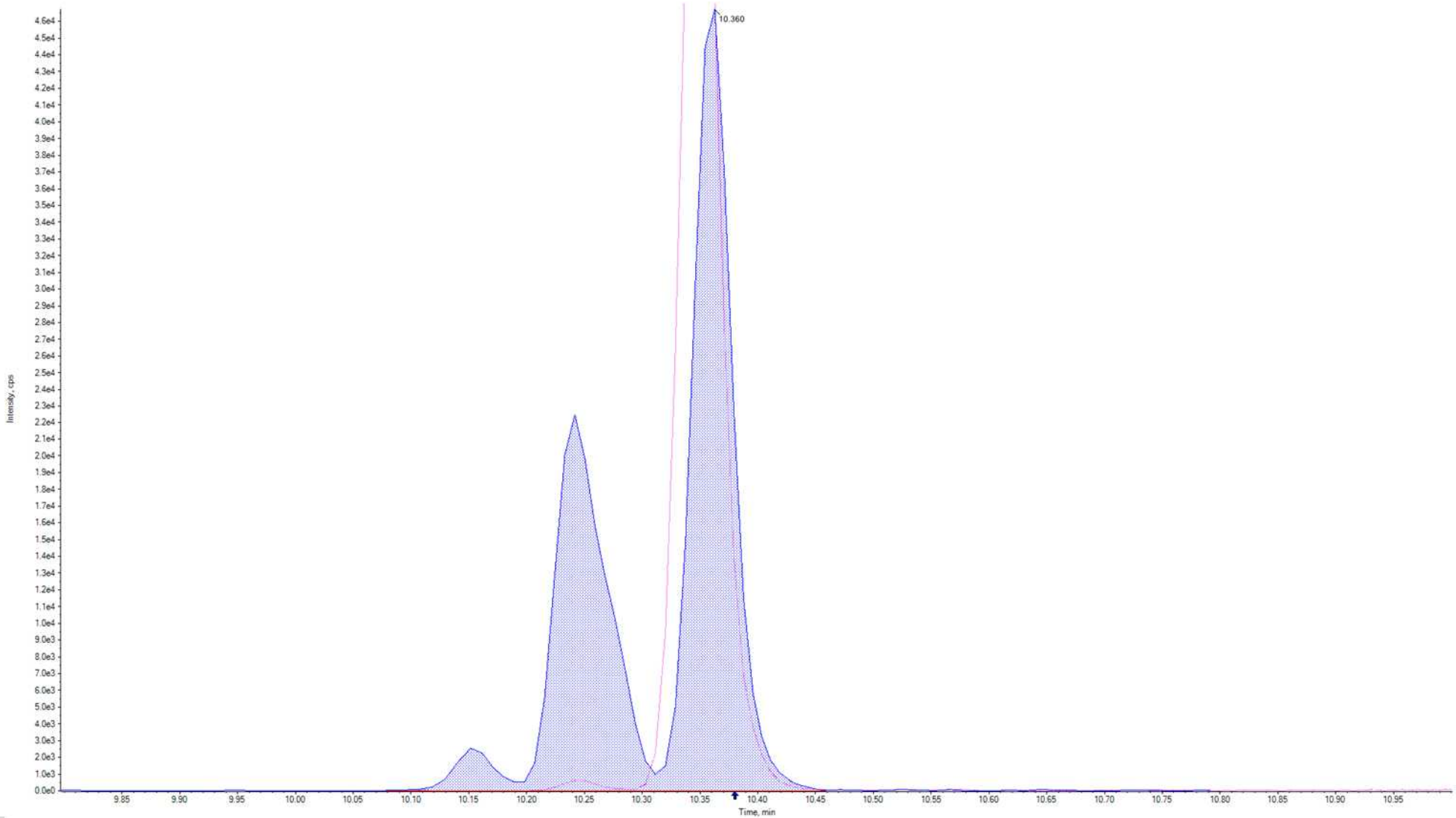


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA_2
Sample: WG1972930-3,1633MED S/N:1072.5 Points Across peak:42

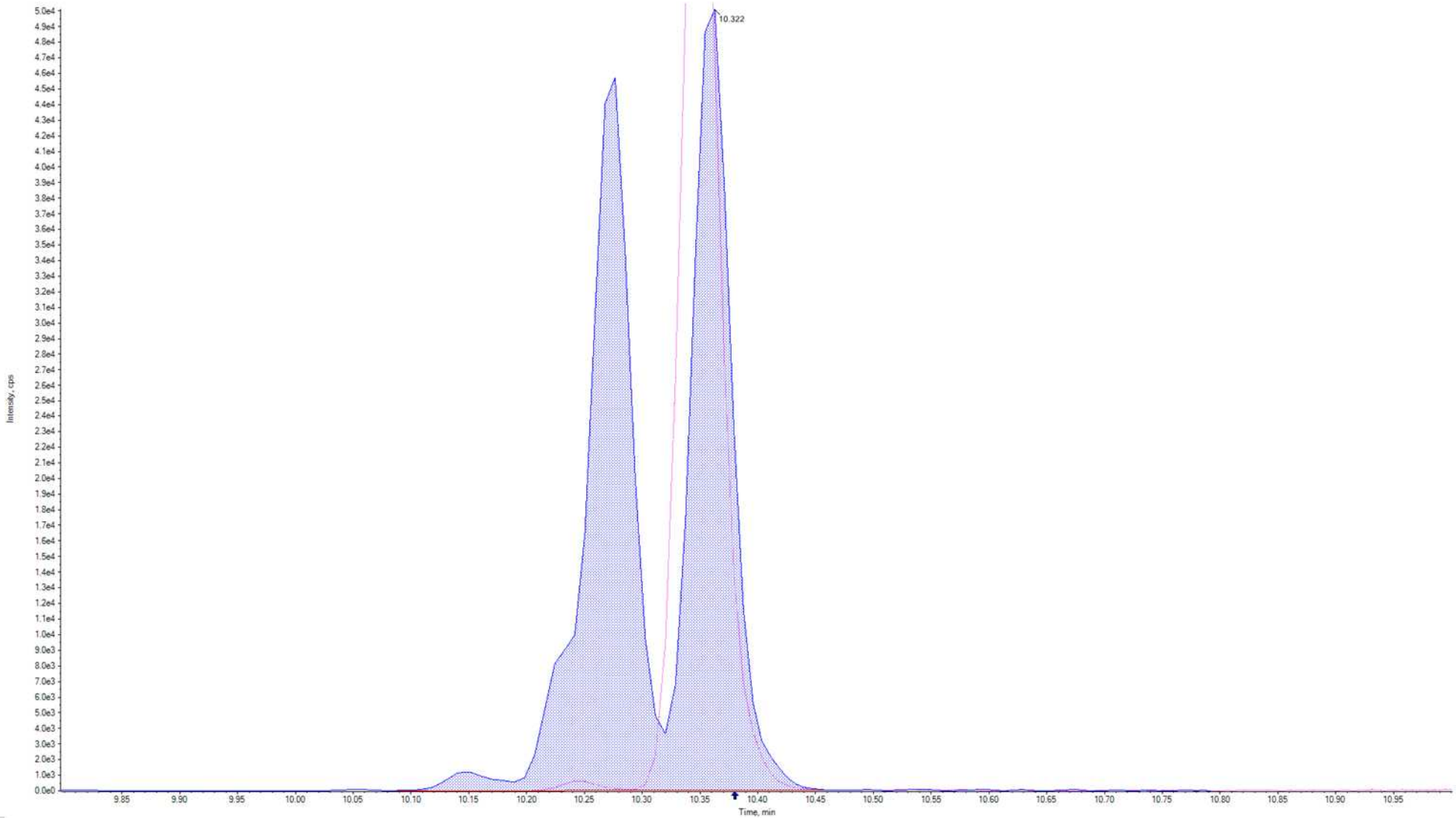


NEtFOSA
Sample: WG1972930-3,1633MED S/N:33641.3 Points Across peak:47



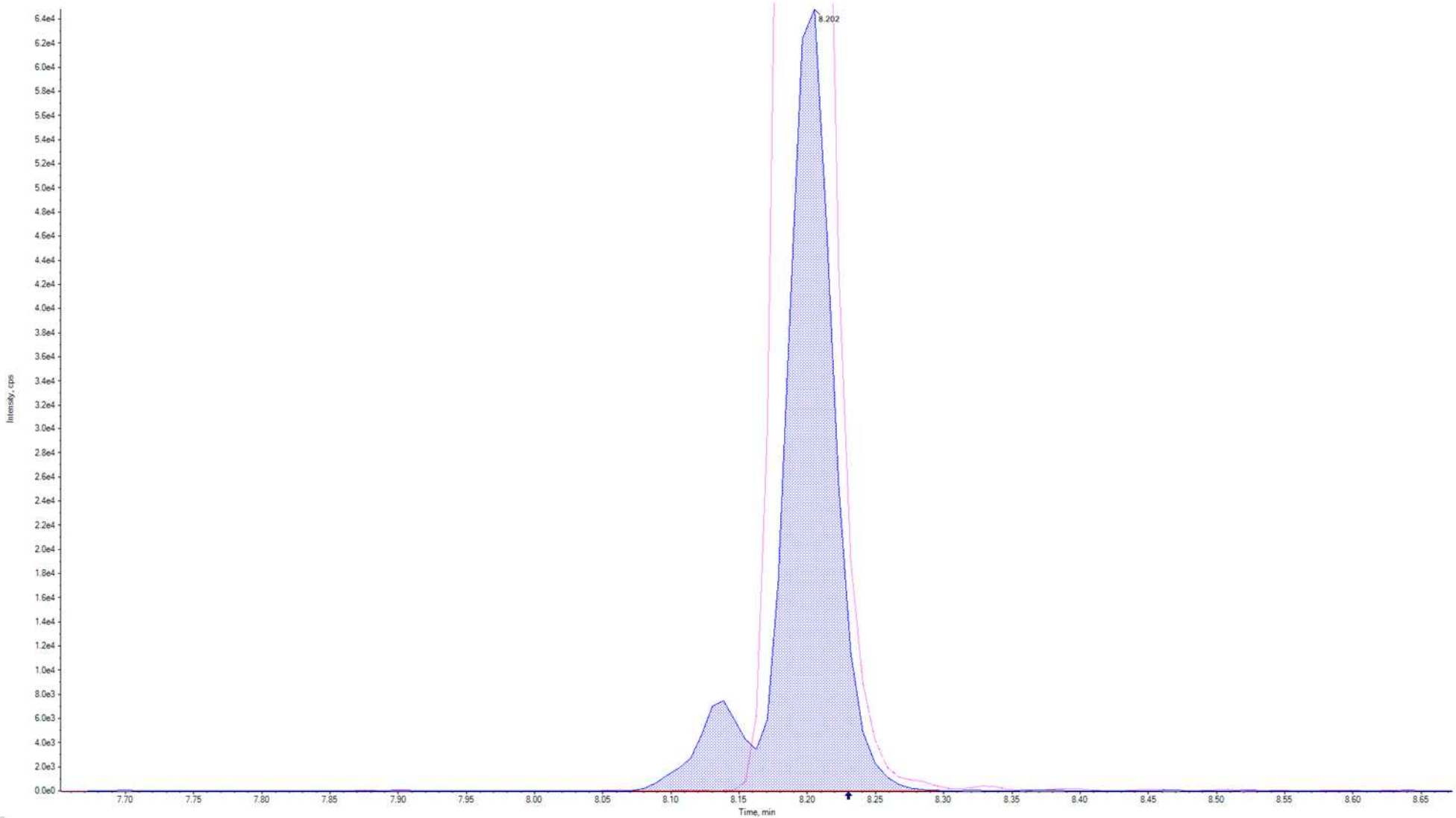
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSA_2
Sample: WG1972930-3,1633MED S/N:43085.9 Points Across peak:47



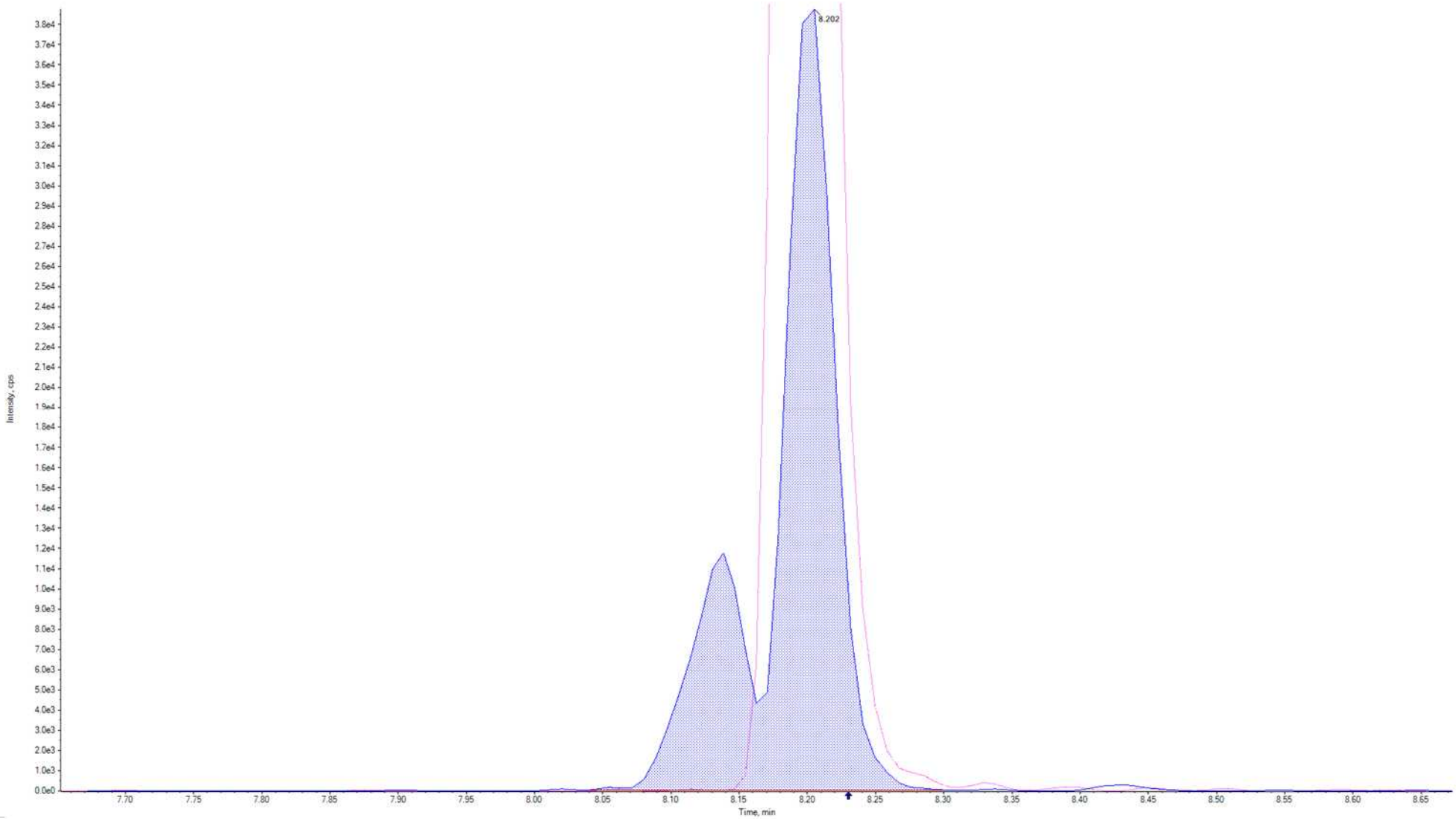
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA
Sample: WG1972930-3,1633MED S/N:1396.2 Points Across peak:30



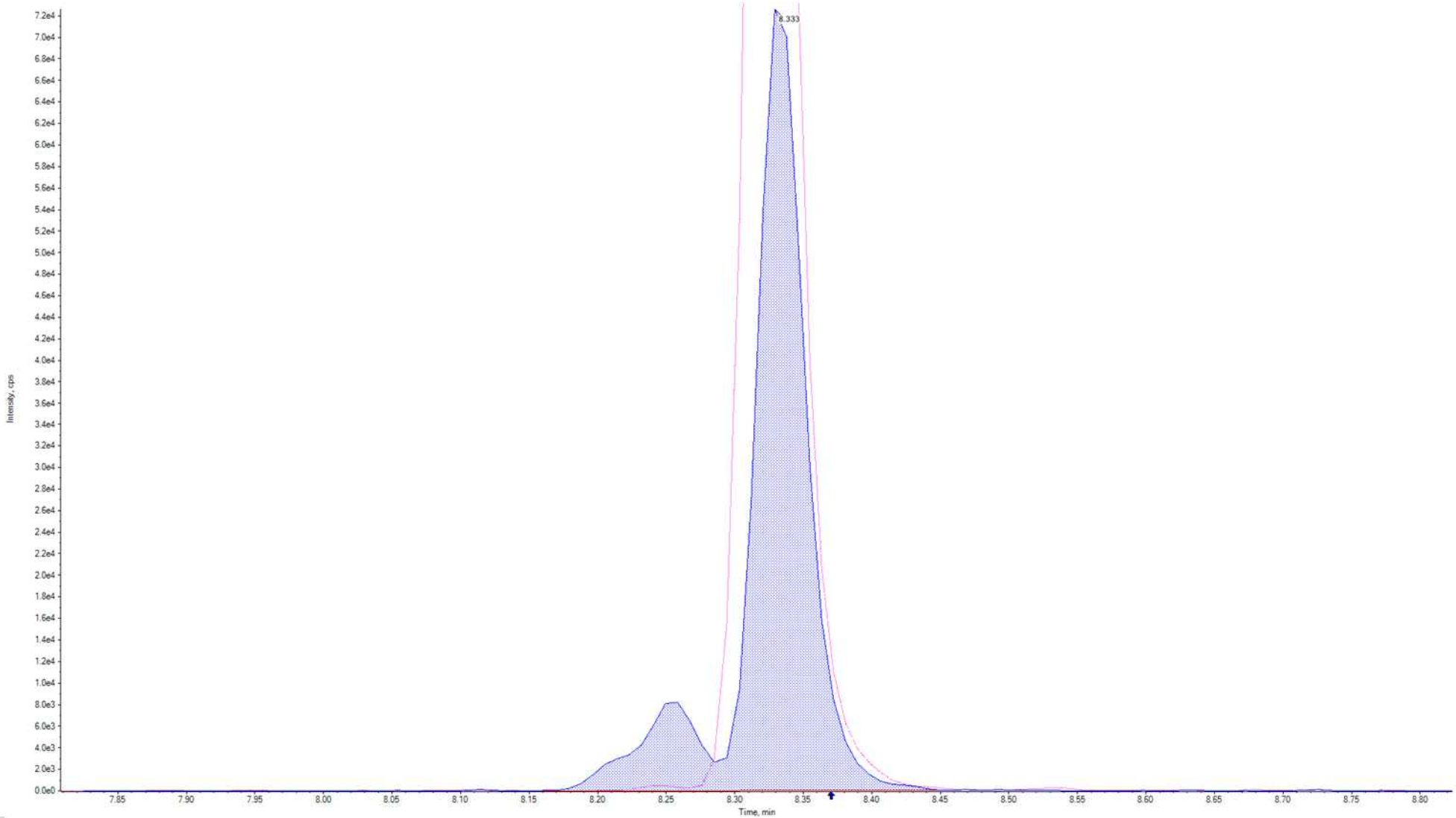
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA_2
Sample: WG1972930-3,1633MED S/N:481.1 Points Across peak:32



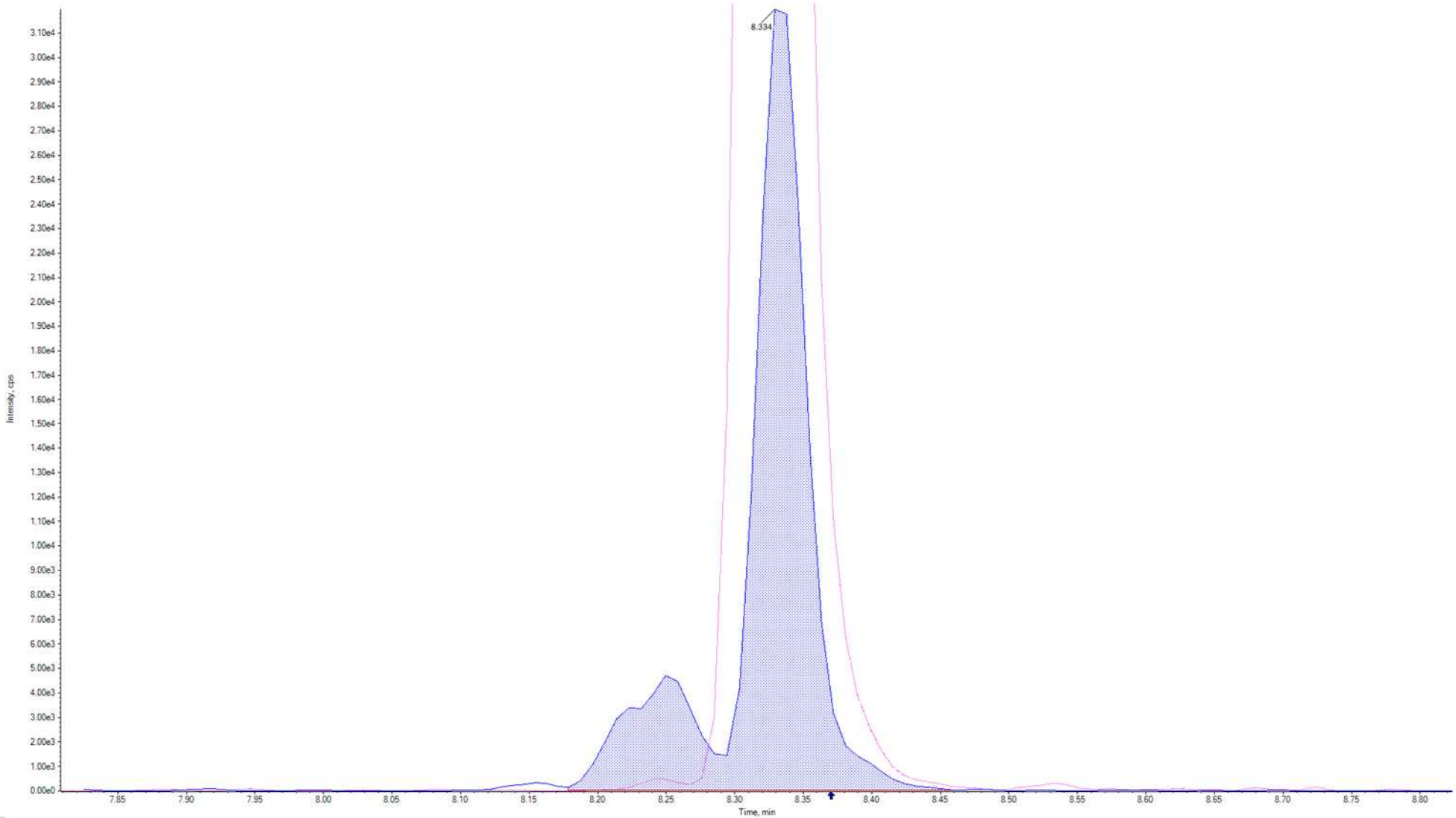
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA
Sample: WG1972930-3,1633MED S/N:862.7 Points Across peak:38



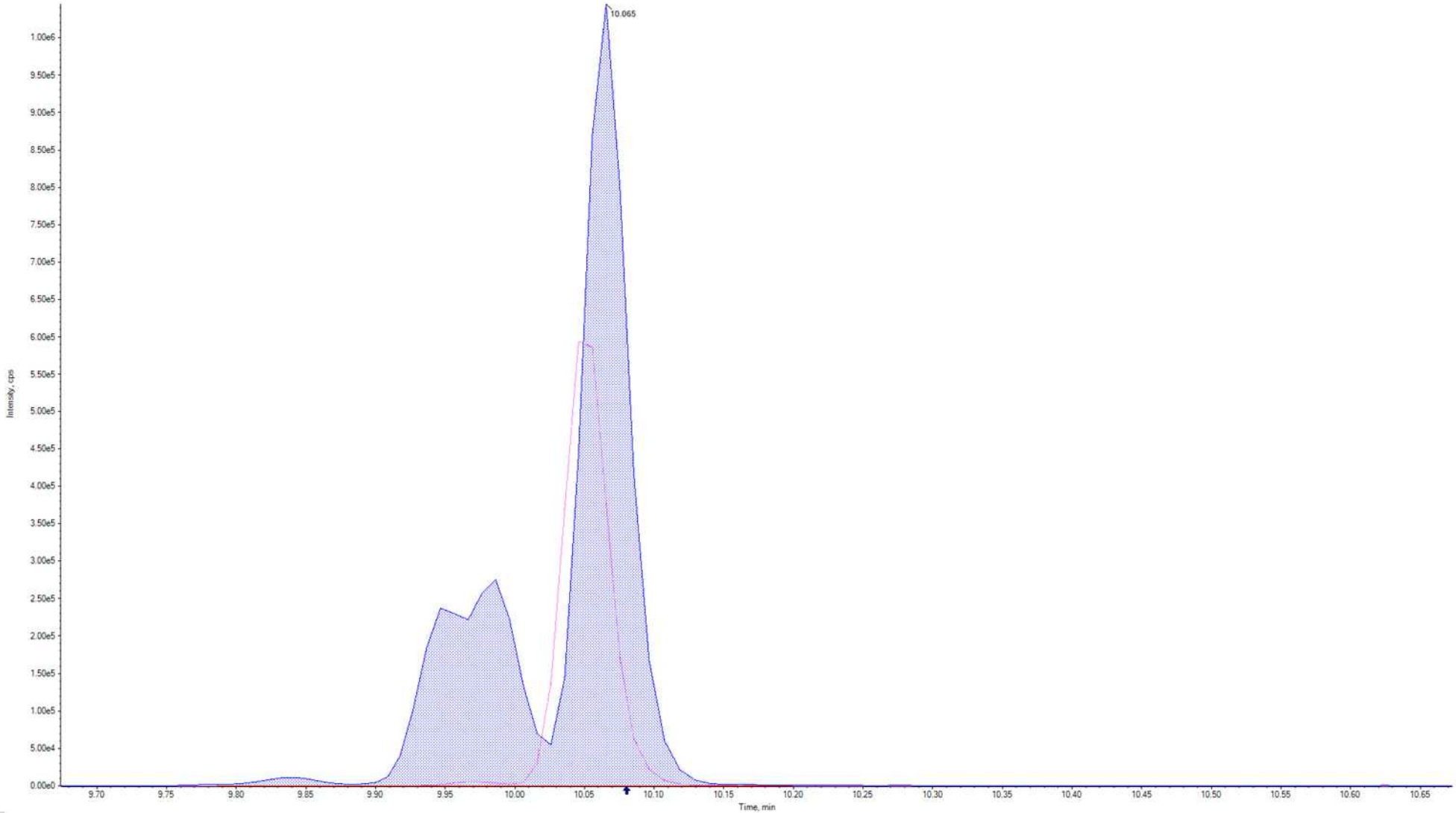
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA_2
Sample: WG1972930-3,1633MED S/N:647.3 Points Across peak:35



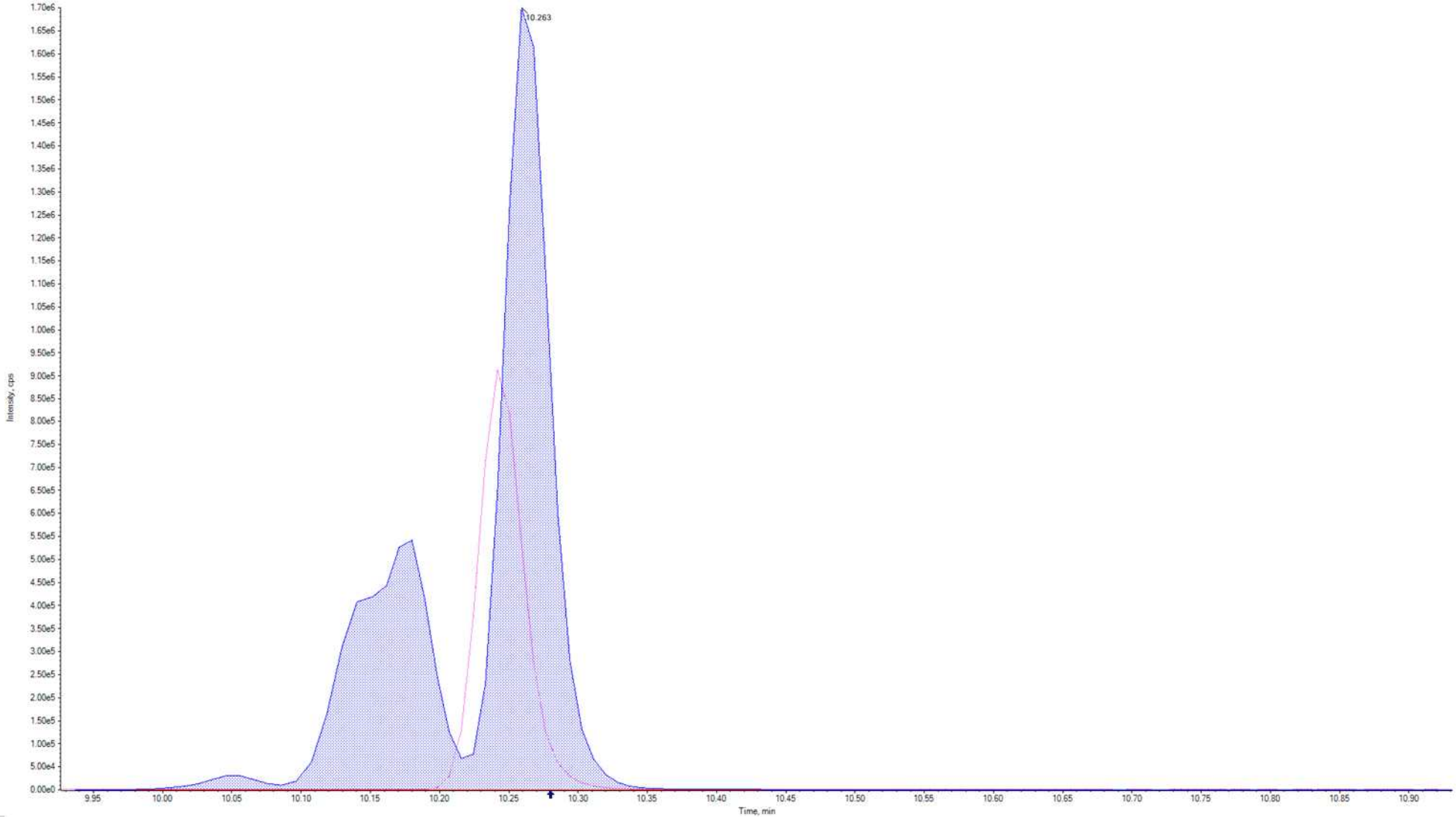
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSE
Sample: WG1972930-3,1633MED S/N:3316.7 Points Across peak:46



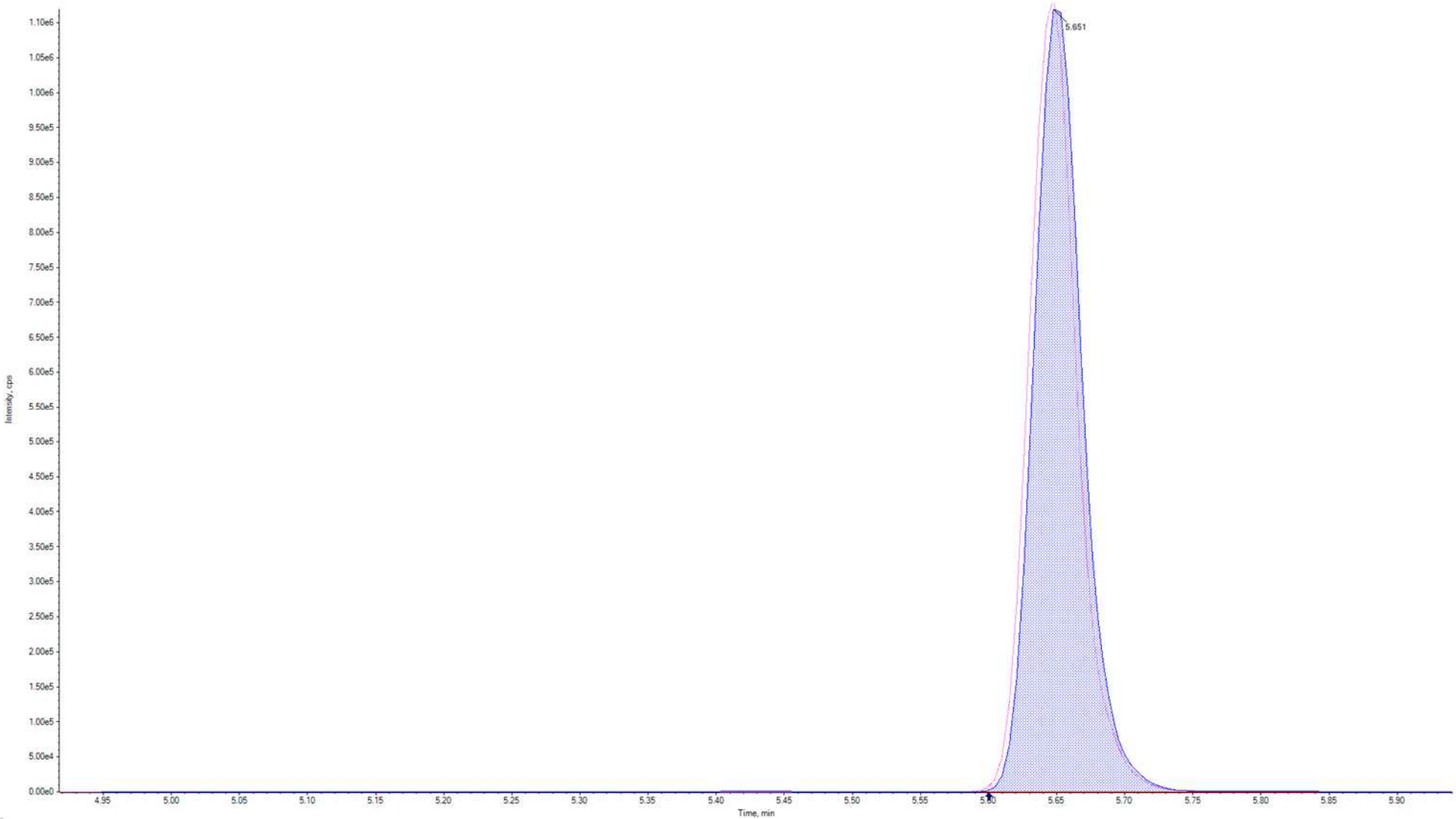
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSE
Sample: WG1972930-3,1633MED S/N:2424.0 Points Across peak:55



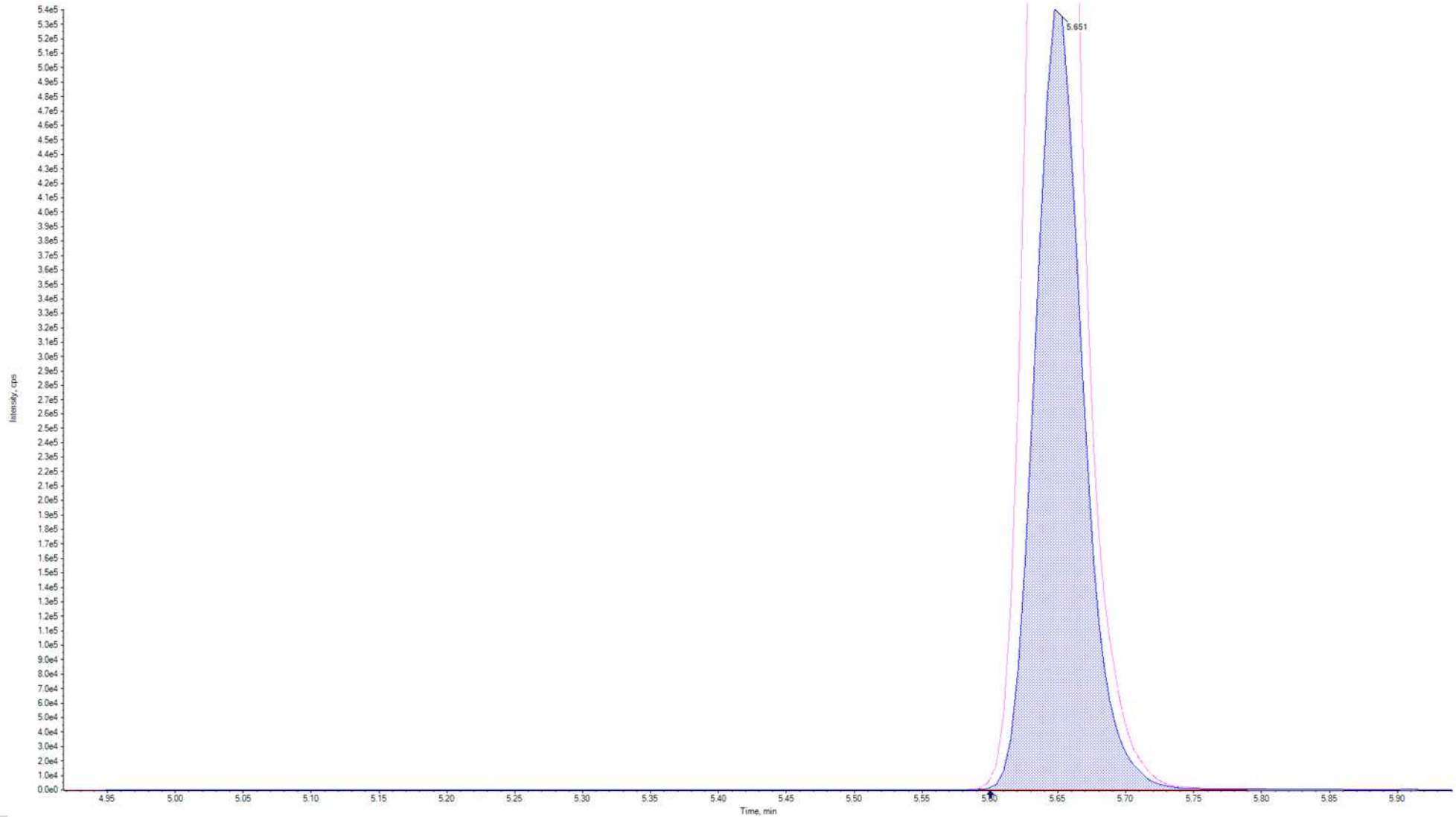
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA
Sample: WG1972930-3,1633MED S/N:401402.7 Points Across peak:60



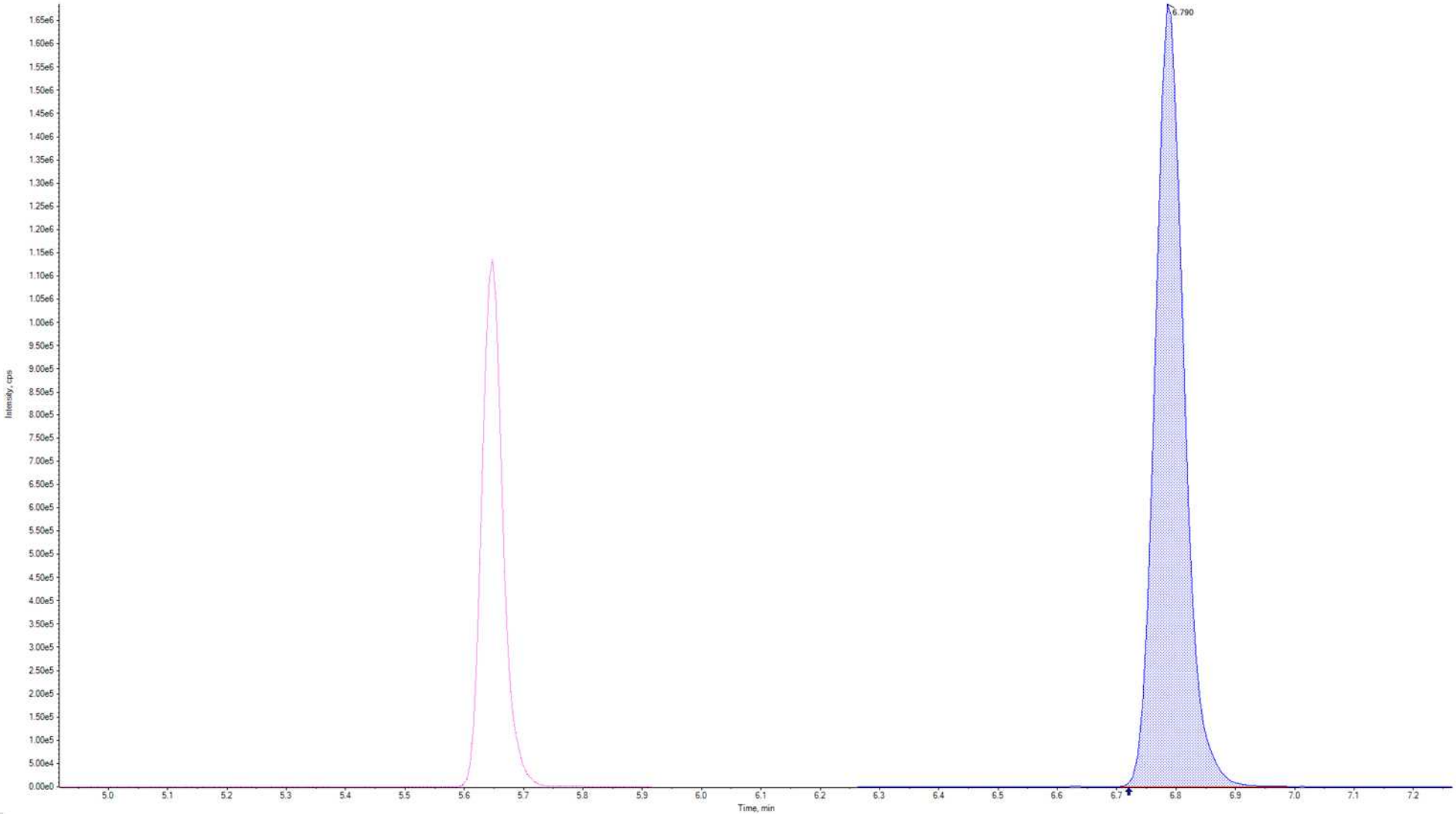
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA_2
Sample: WG1972930-3,1633MED S/N:4592.6 Points Across peak:46



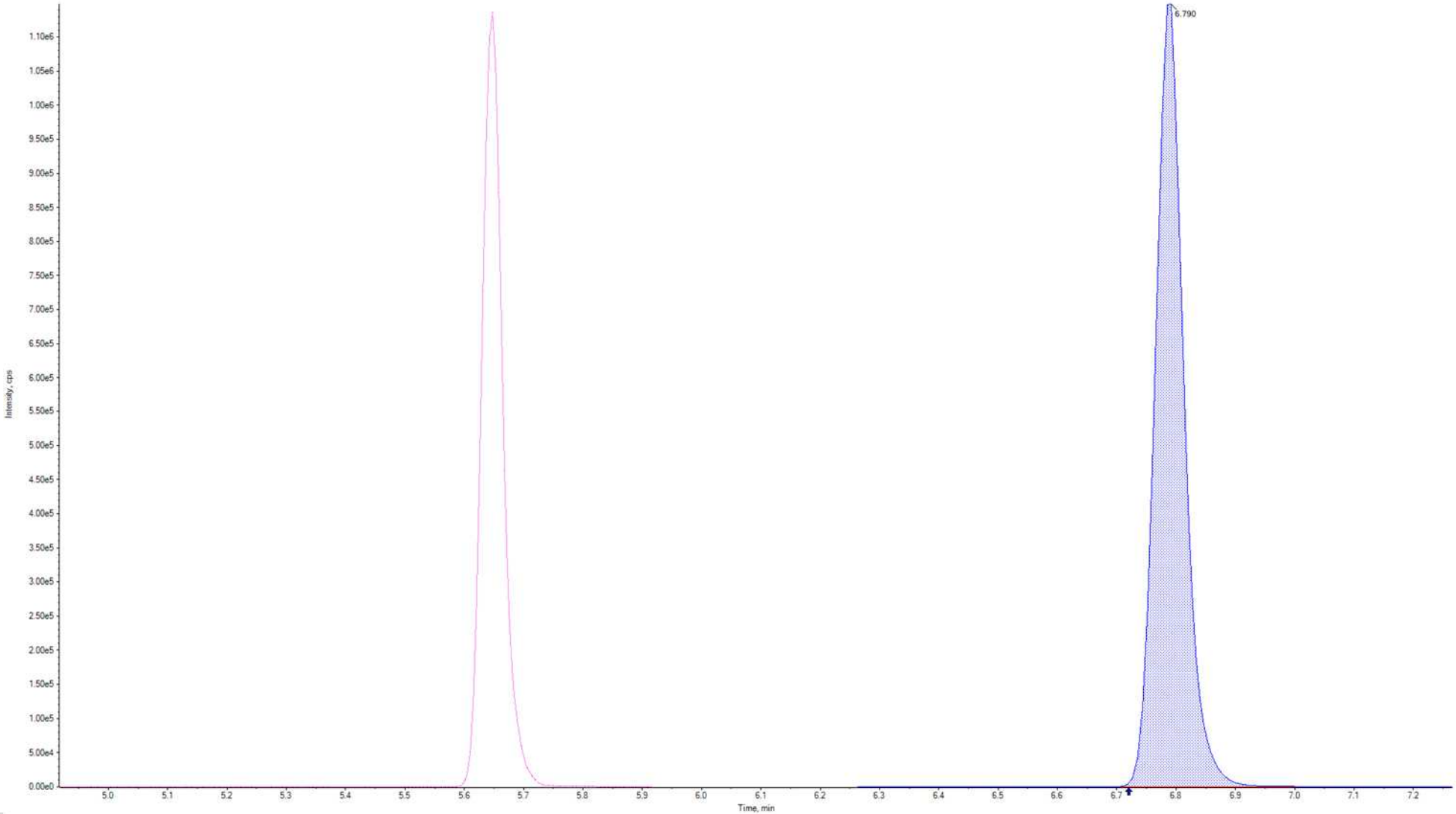
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

ADONA
Sample: WG1972930-3,1633MED S/N:22839.0 Points Across peak:48



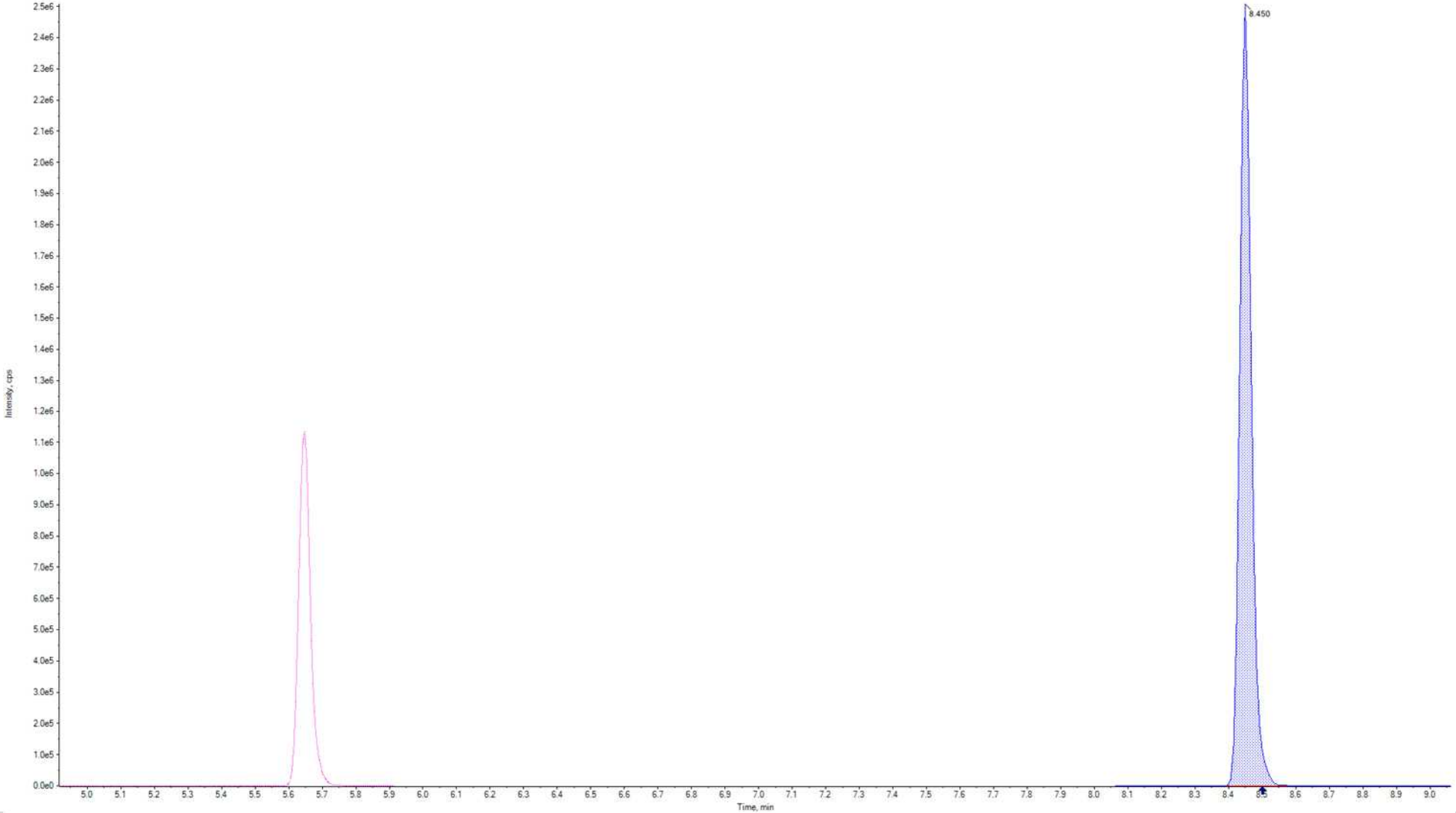
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

ADONA_2
Sample: WG1972930-3,1633MED S/N:14587.9 Points Across peak:49



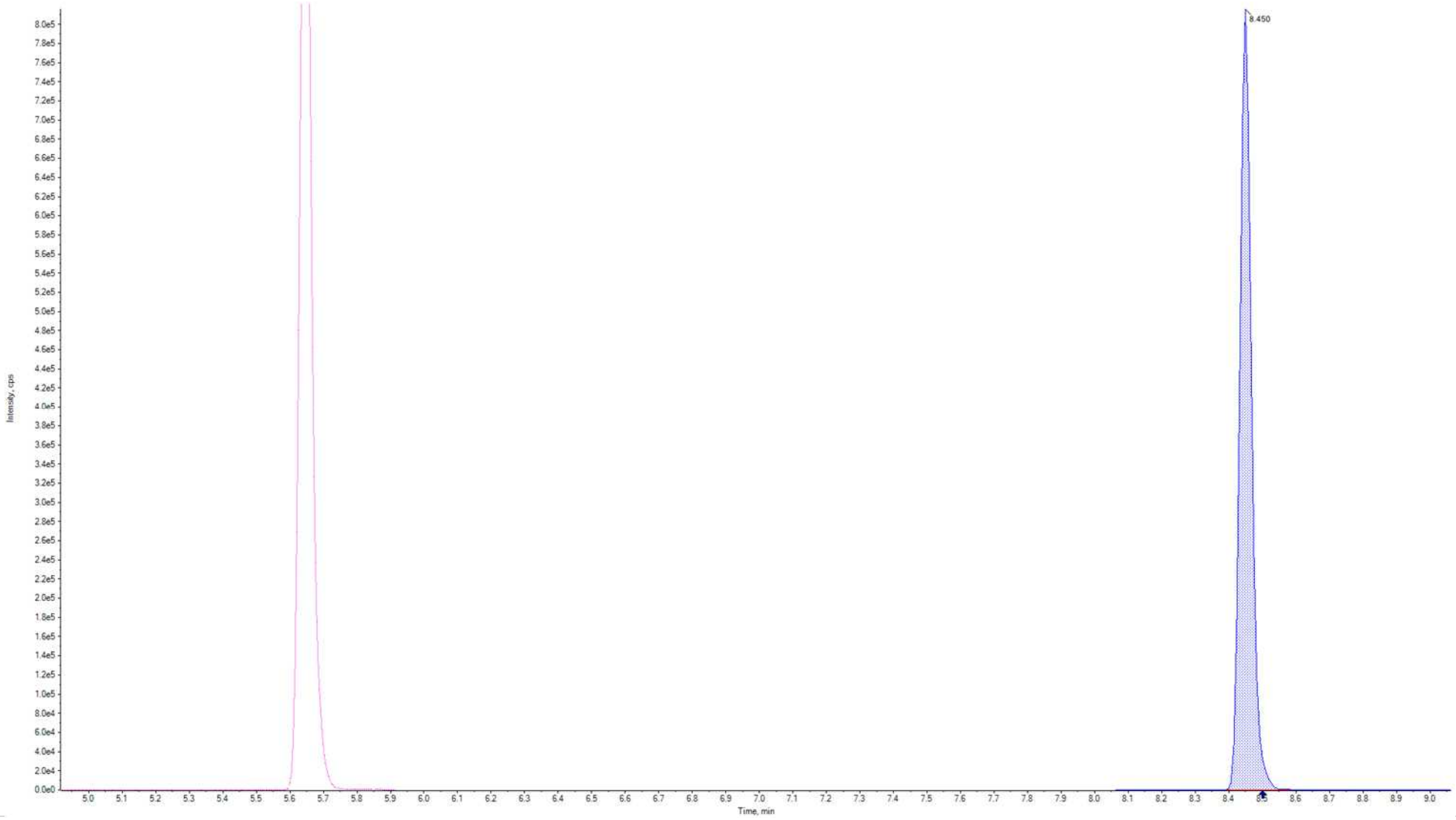
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS
Sample: WG1972930-3,1633MED S/N:96947.8 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS_2
Sample: WG1972930-3,1633MED S/N:4409.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

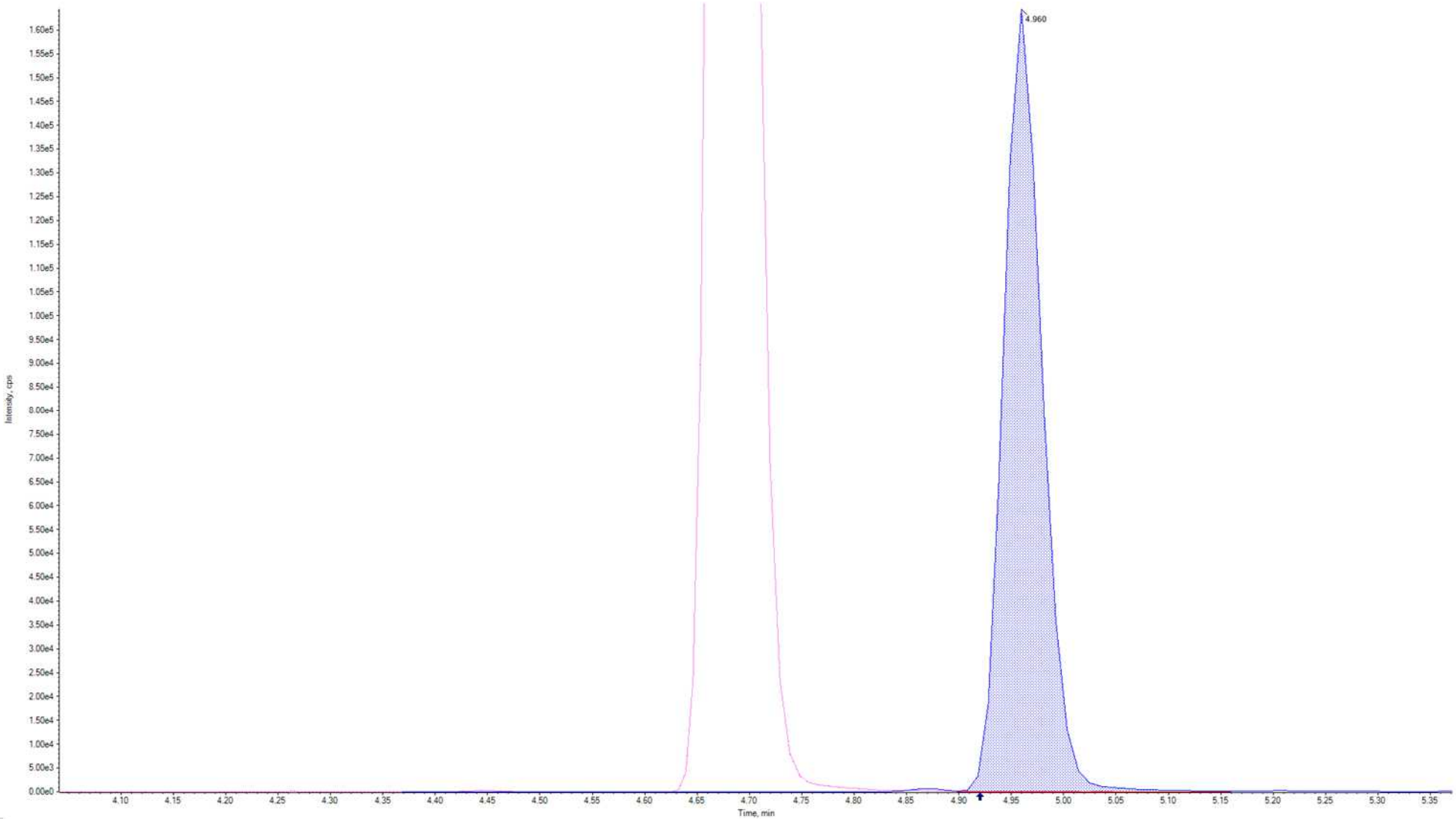
11Cl-PF3OUdS
Sample: WG1972930-3,1633MED S/N:806623.6 Points Across peak:48

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS_2
Sample: WG1972930-3,1633MED S/N:4401001.9 Points Across peak:40

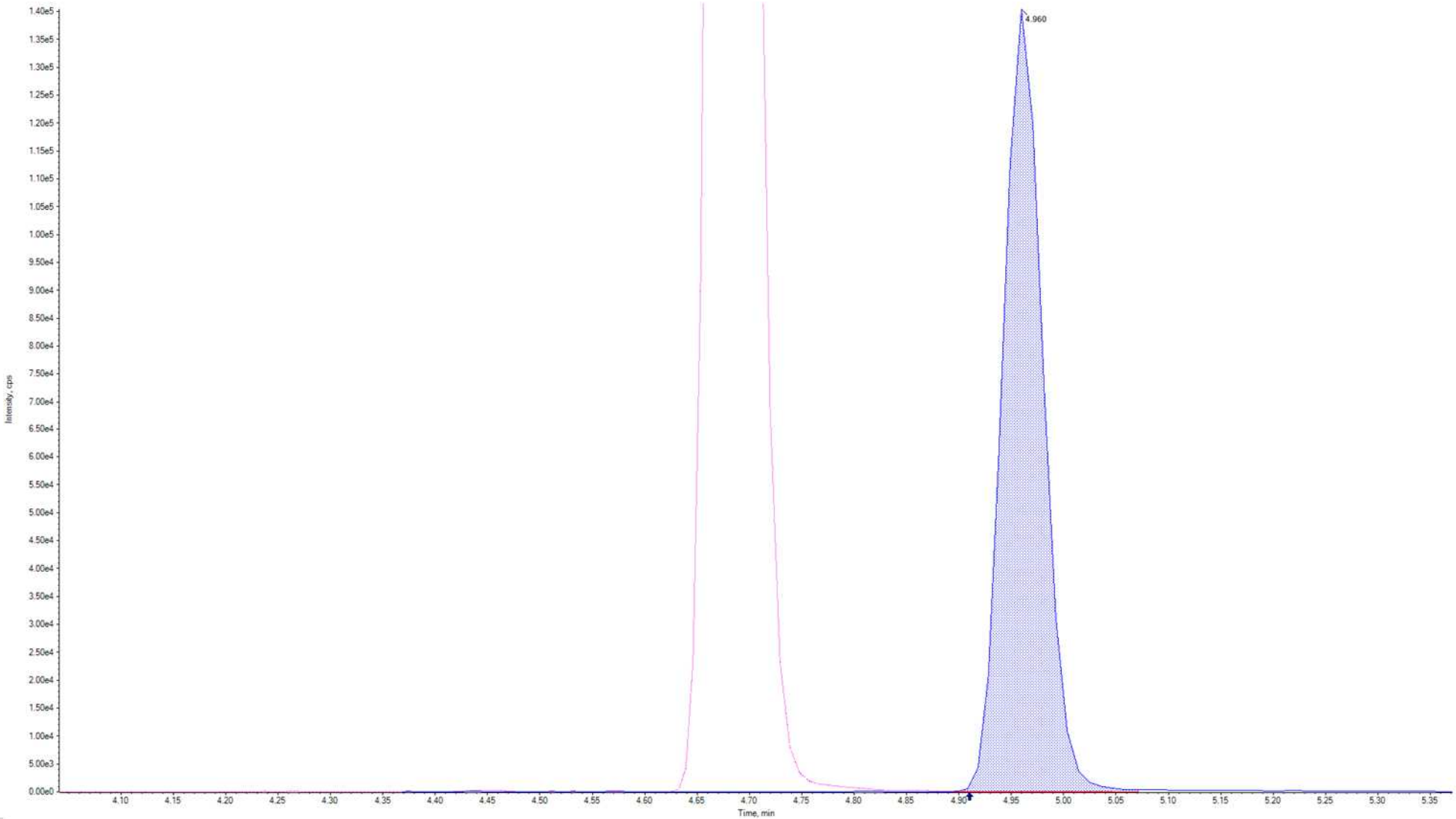
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

3:3FTCA
Sample: WG1972930-3,1633MED S/N:3774.0 Points Across peak:28



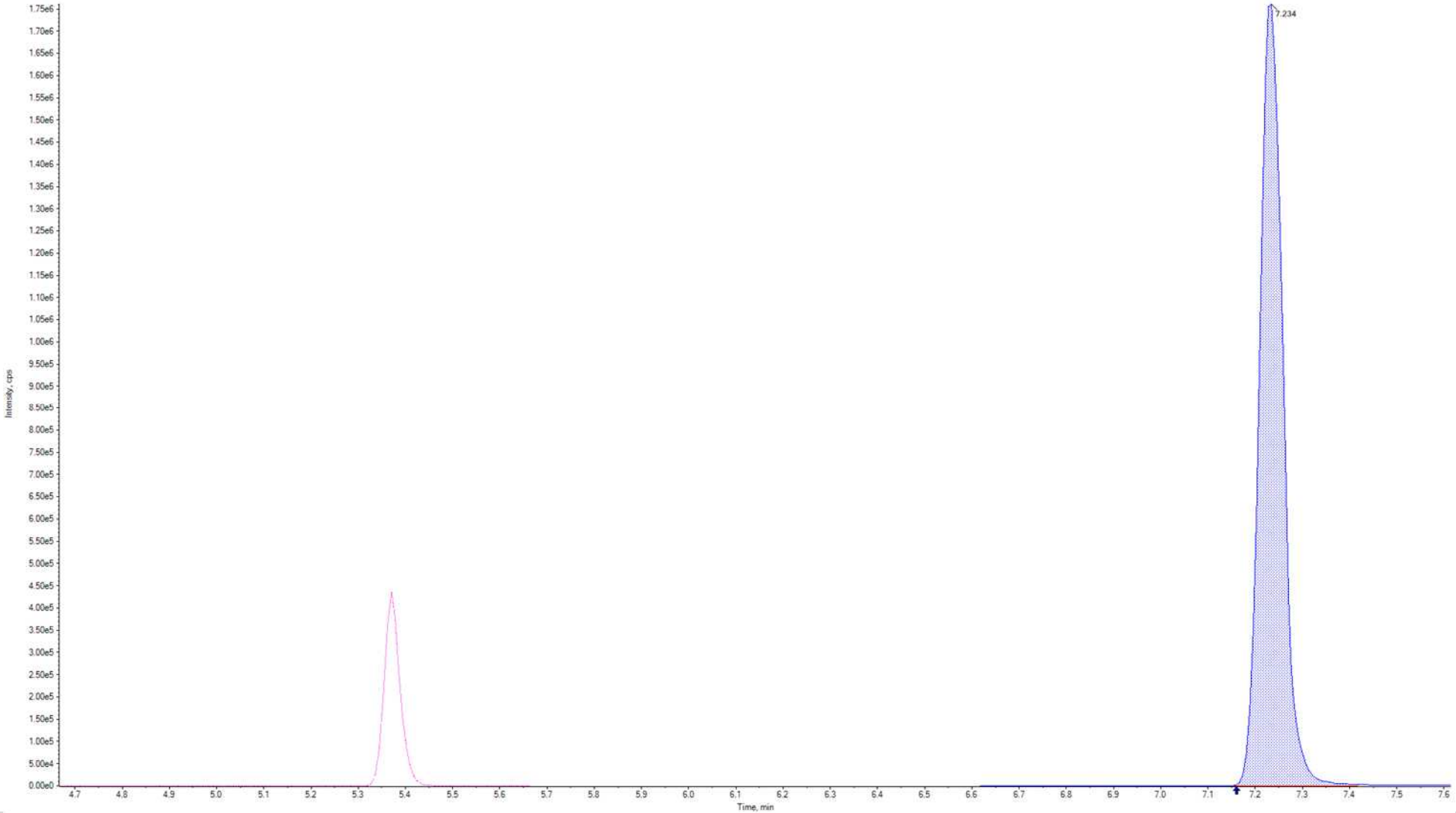
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

3:3FTCA_2
Sample: WG1972930-3,1633MED S/N:9776.9 Points Across peak:23



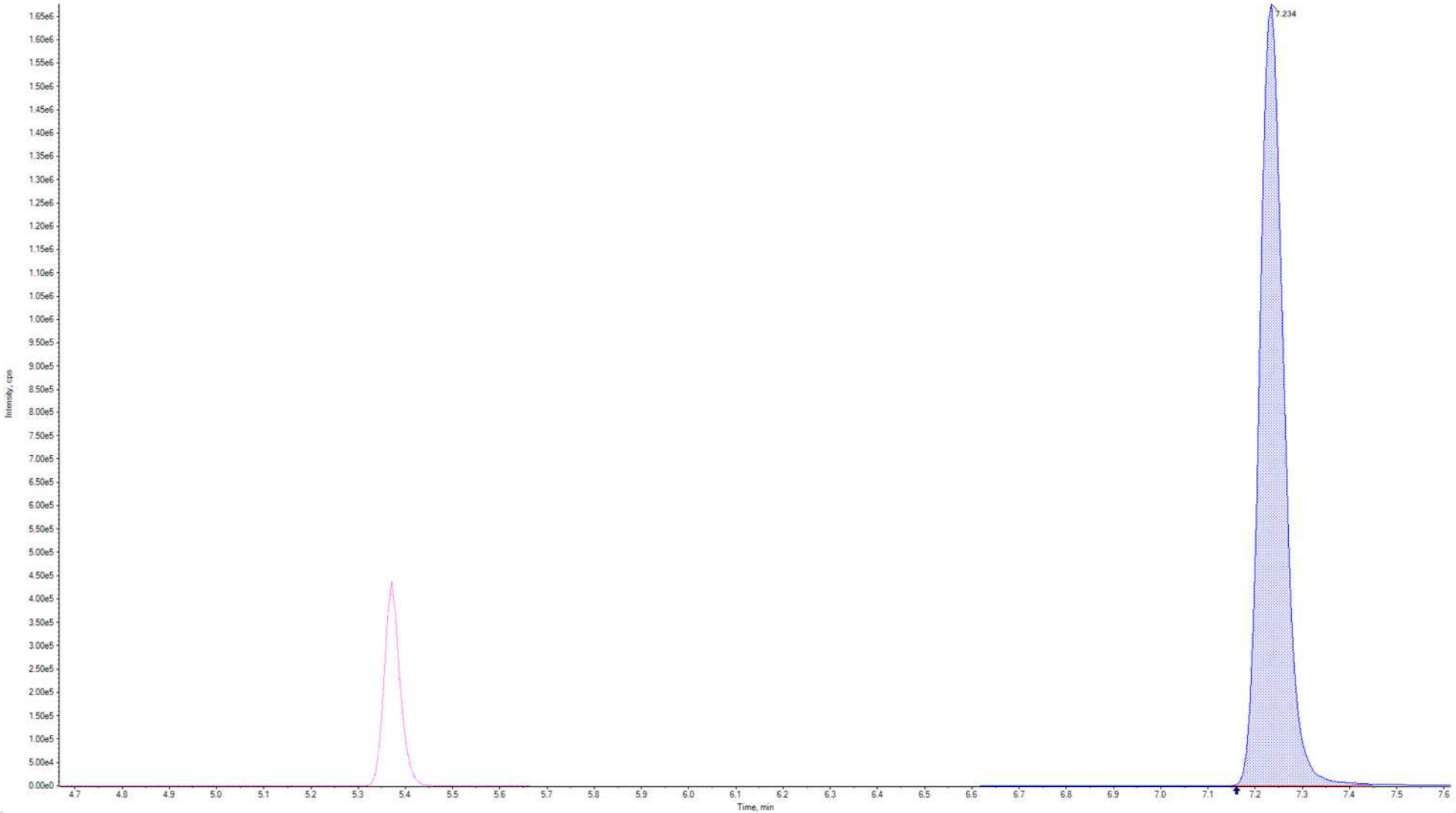
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA
Sample: WG1972930-3,1633MED S/N:14785.9 Points Across peak:48



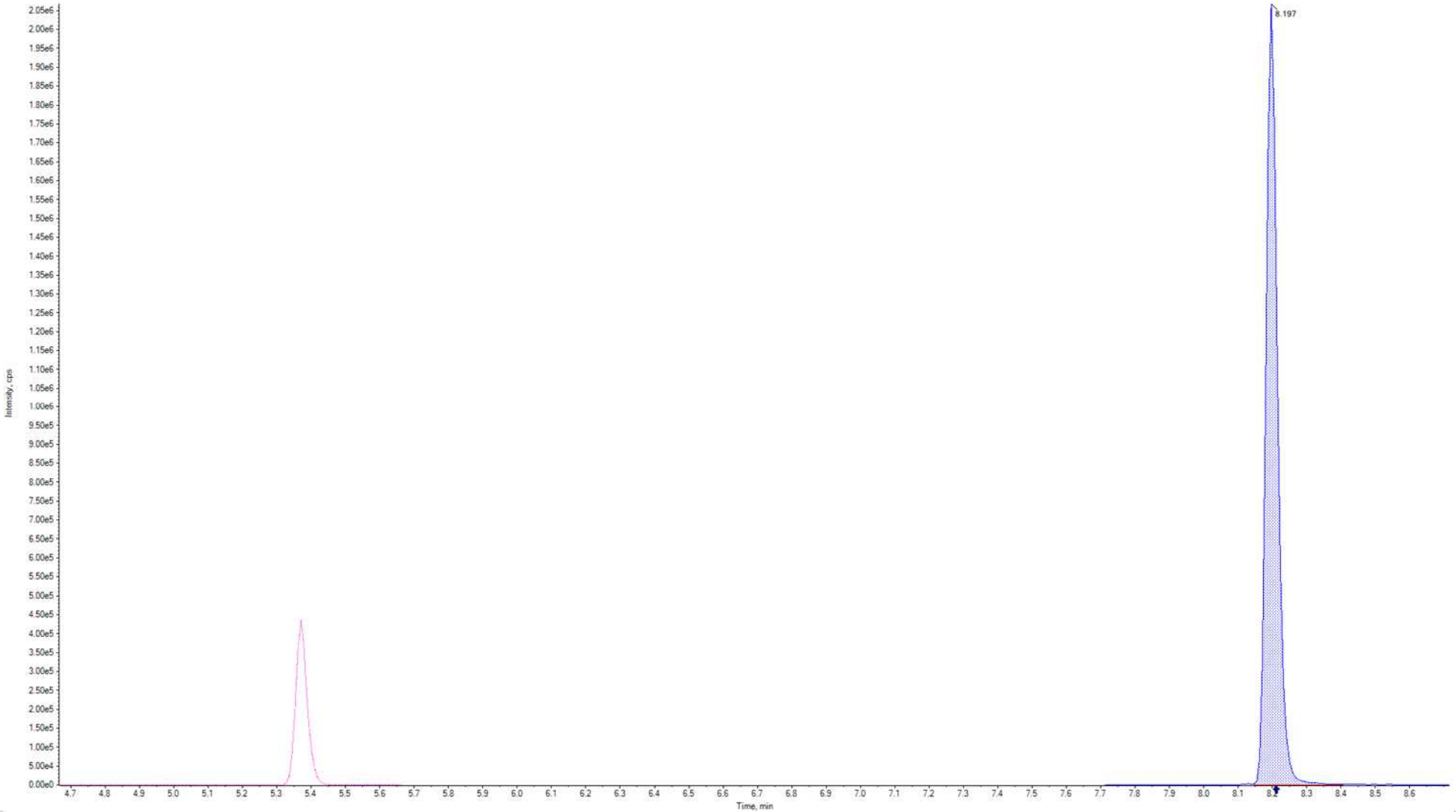
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA_2
Sample: WG1972930-3,1633MED S/N:9033.9 Points Across peak:55



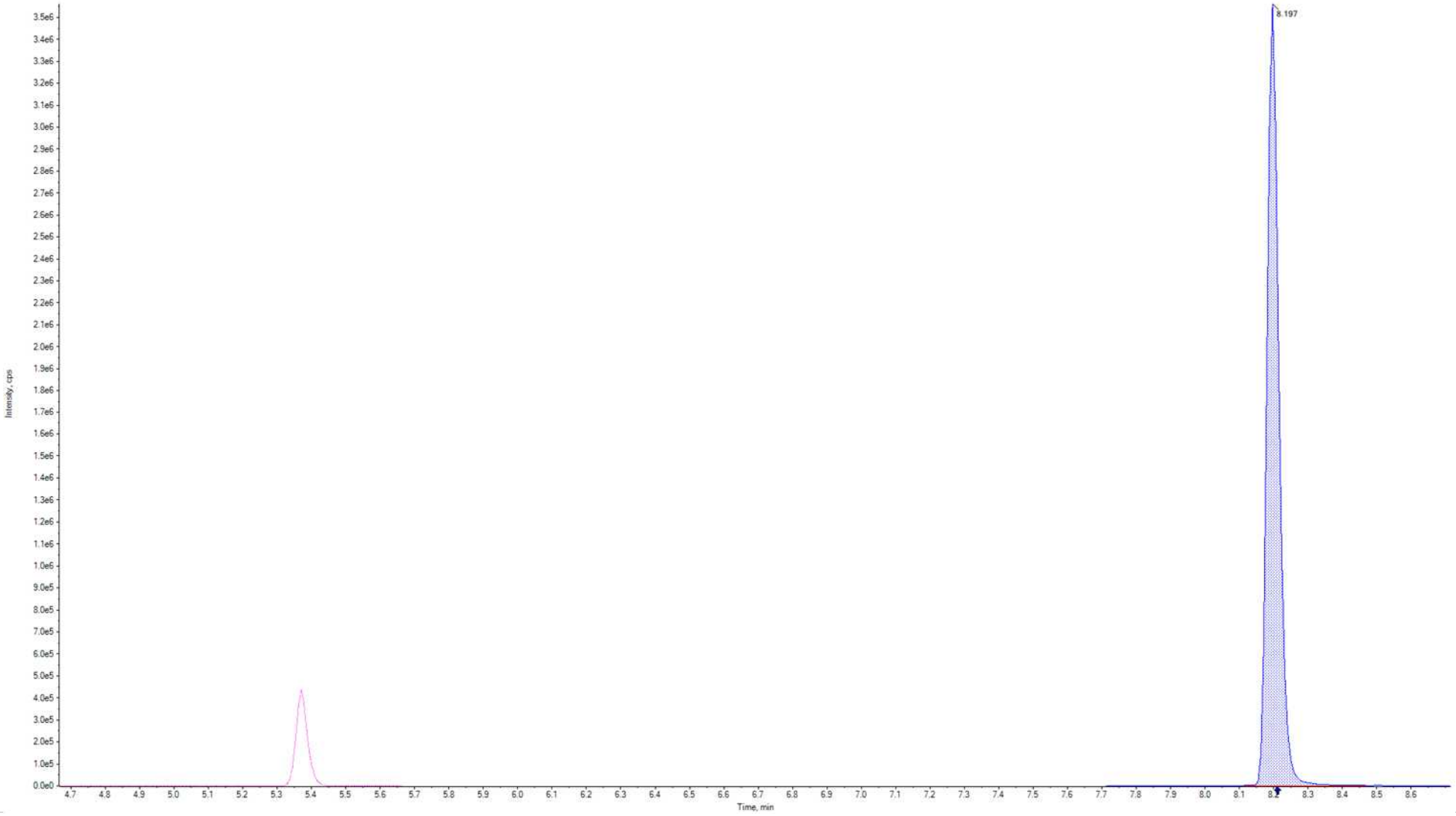
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA
Sample: WG1972930-3,1633MED S/N:34271743.7 Points Across peak:31



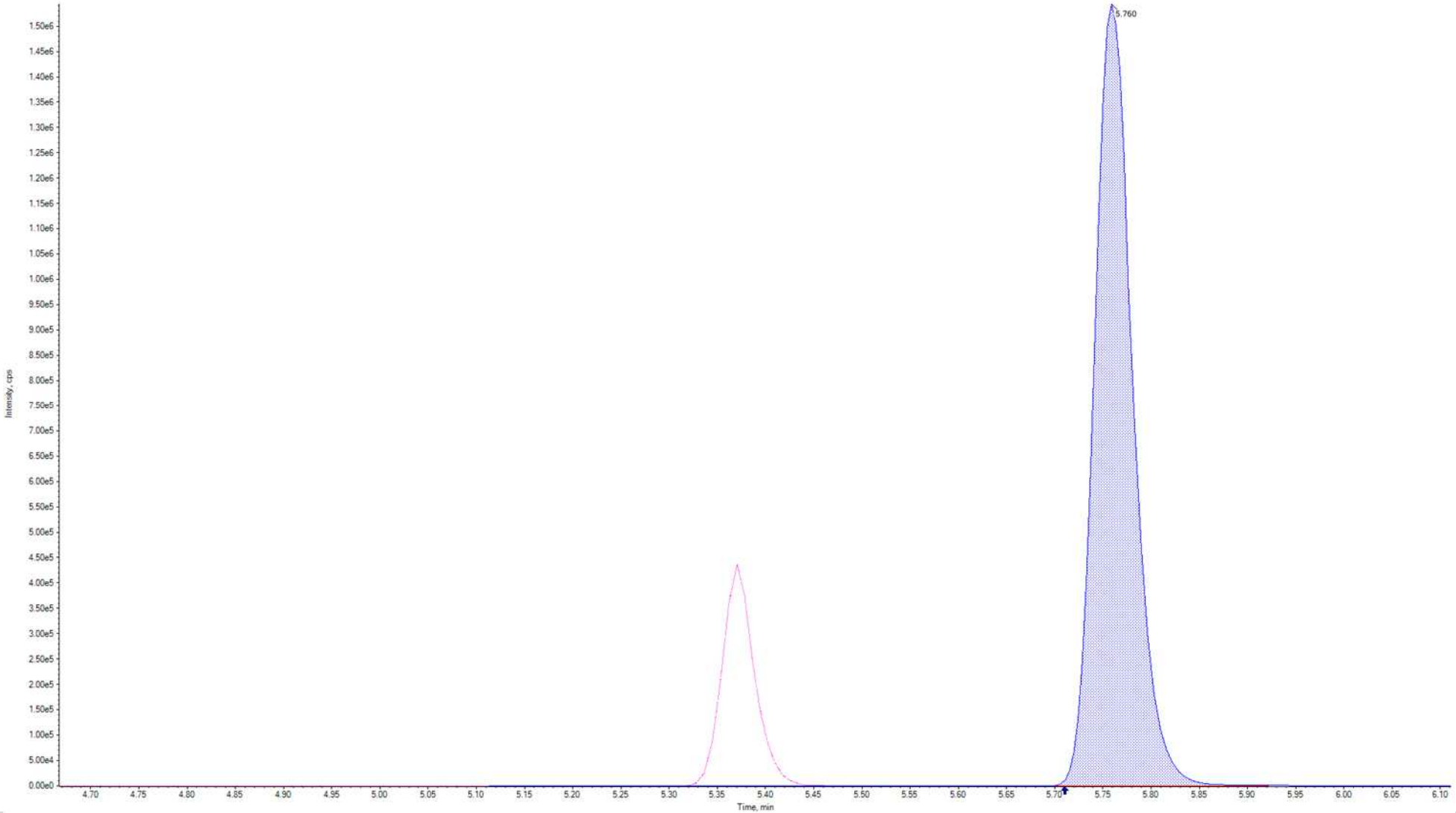
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA_2
Sample: WG1972930-3,1633MED S/N:30063.0 Points Across peak:46



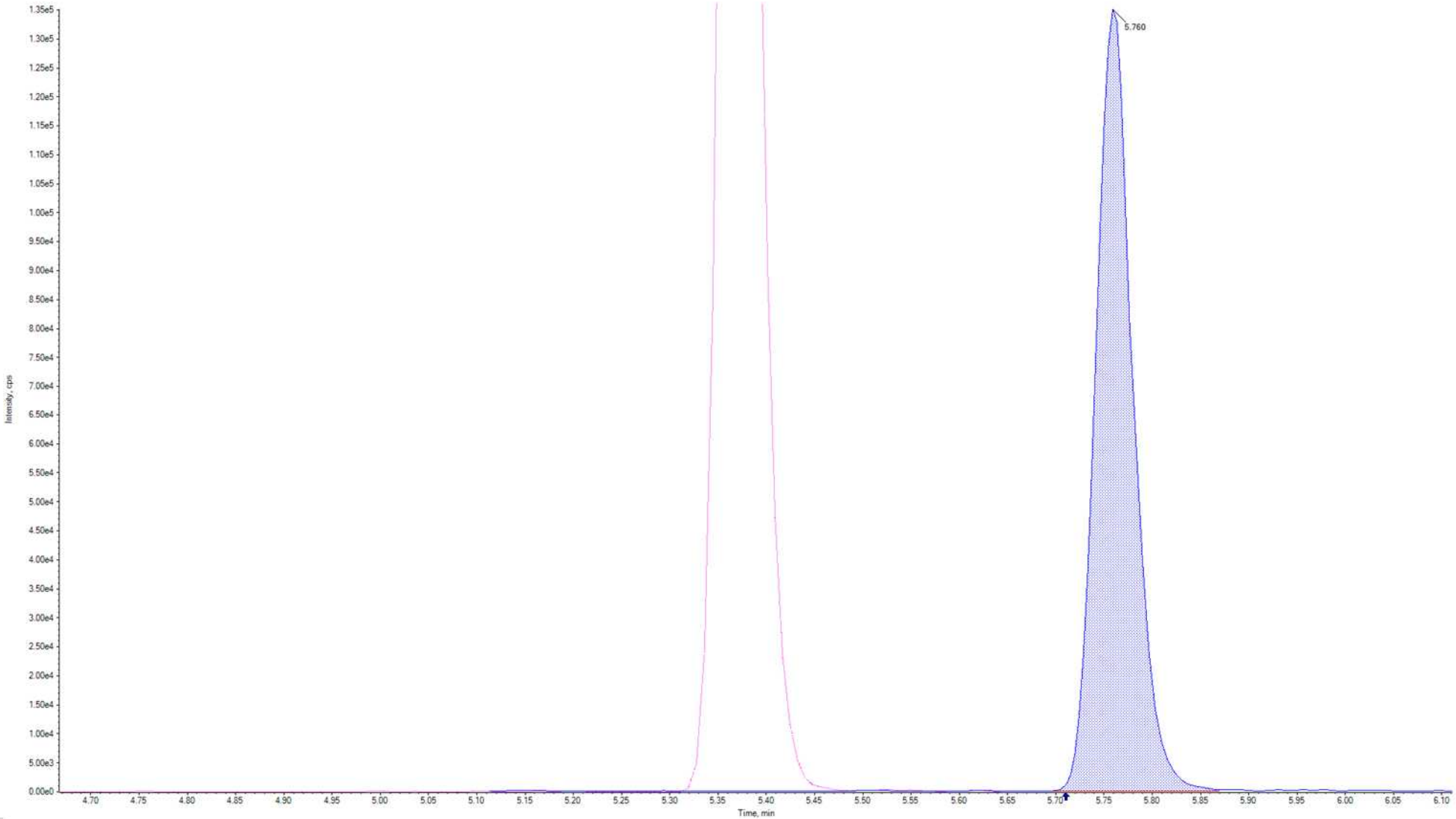
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: WG1972930-3,1633MED S/N:16519.7 Points Across peak:44



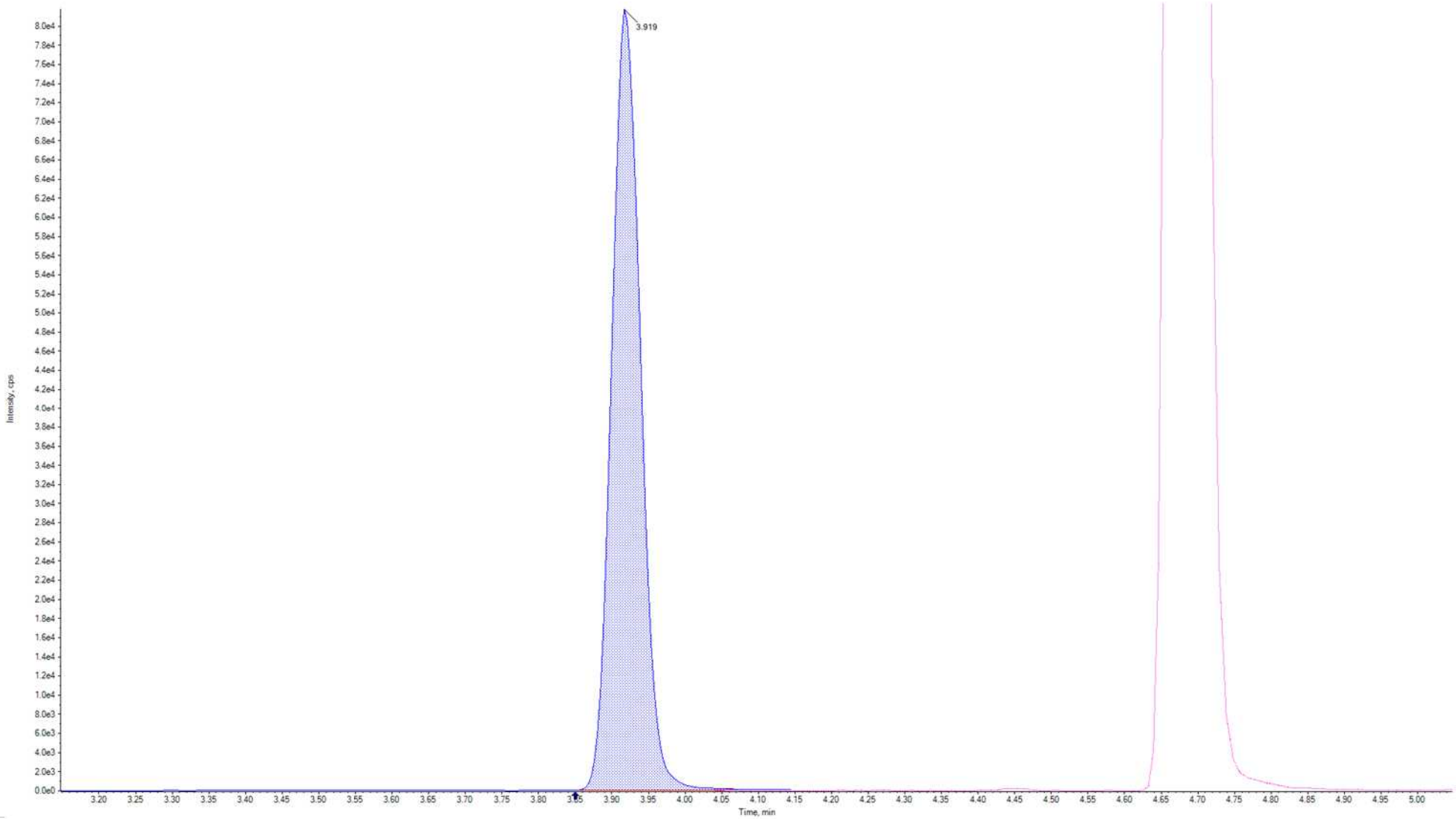
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA_2
Sample: WG1972930-3,1633MED S/N:2669.8 Points Across peak:35



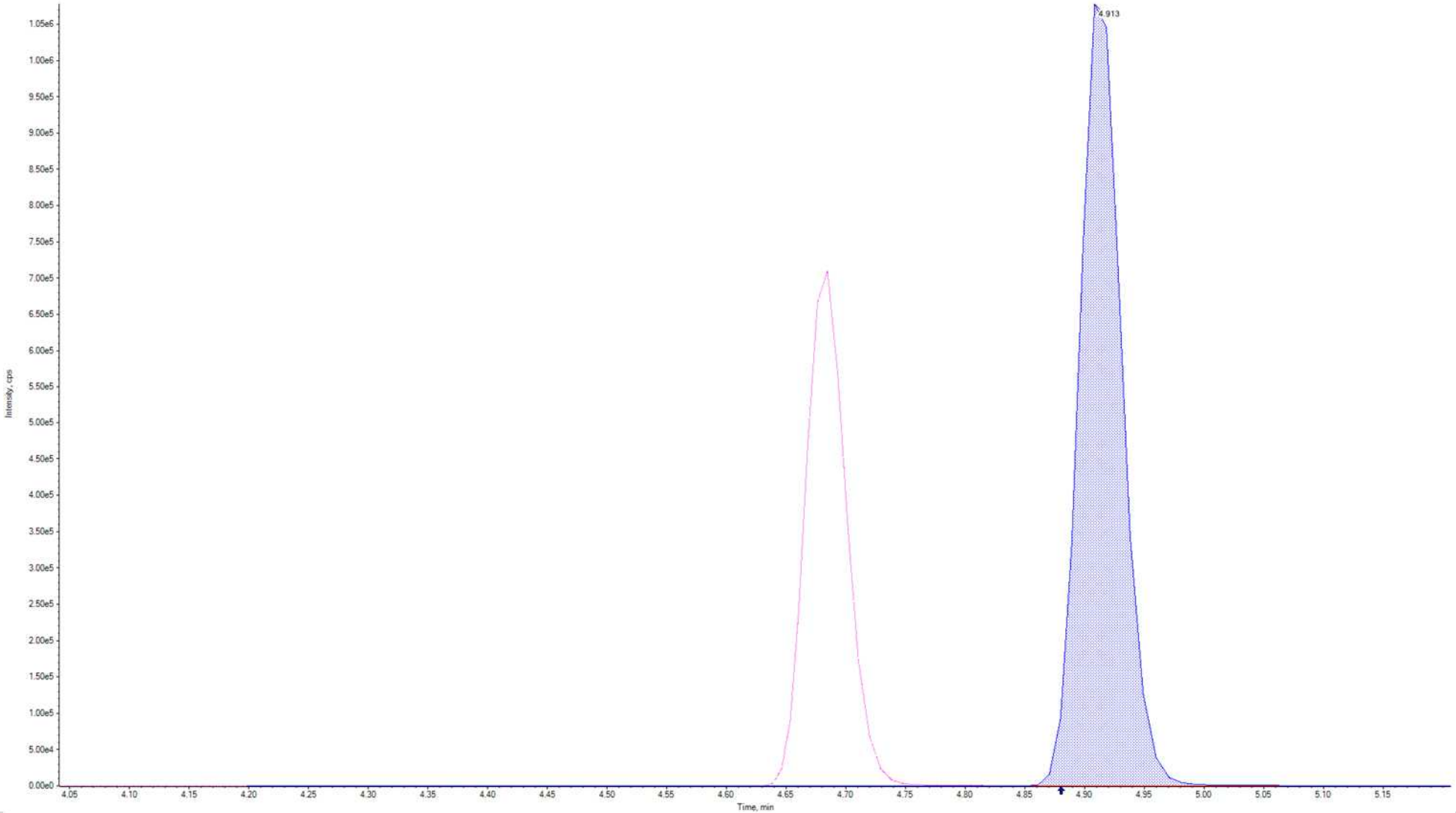
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFMPA
Sample: WG1972930-3,1633MED S/N:5646.5 Points Across peak:59



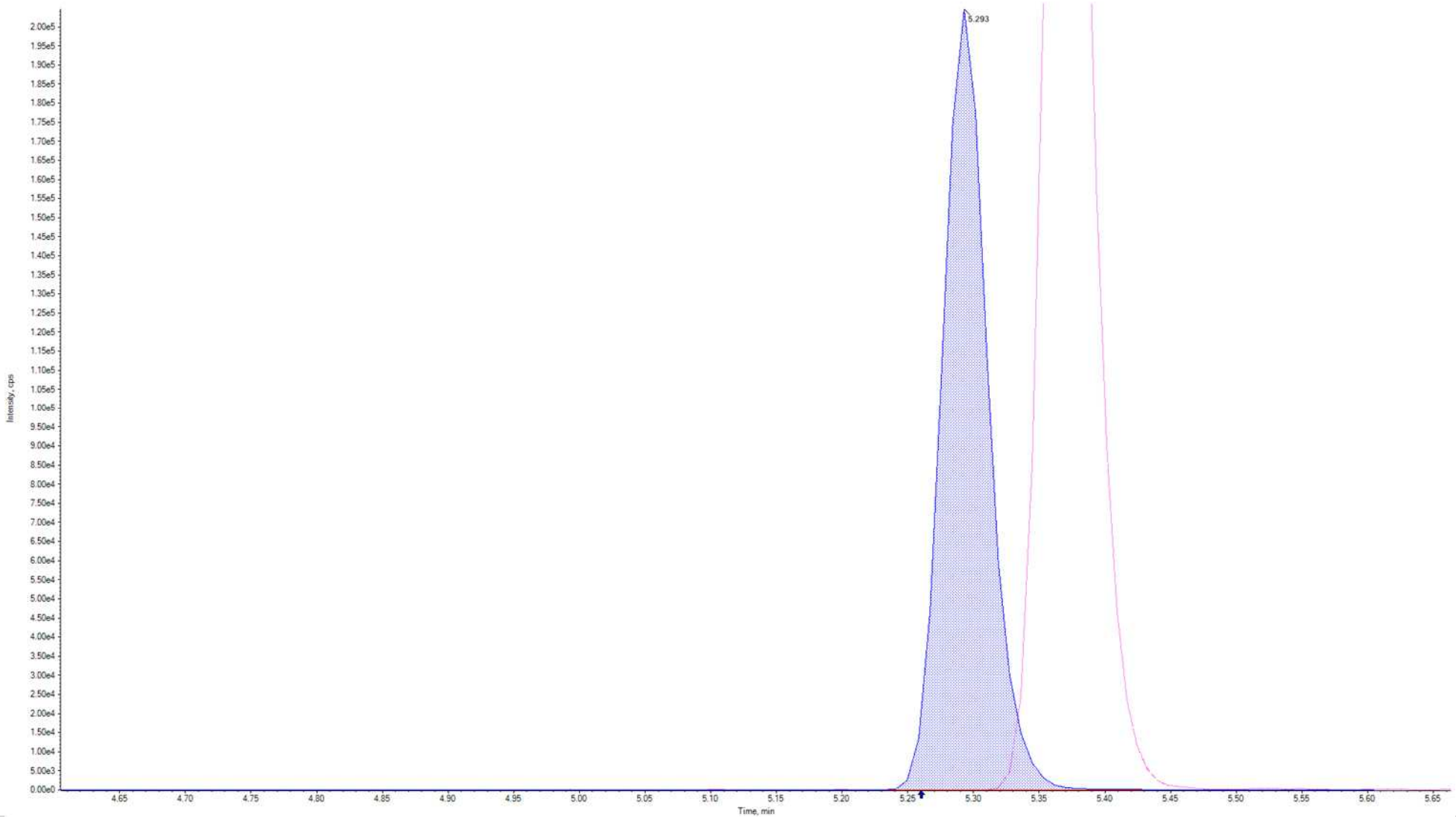
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

PFMBA
Sample: WG1972930-3,1633MED S/N:8456.5 Points Across peak:30



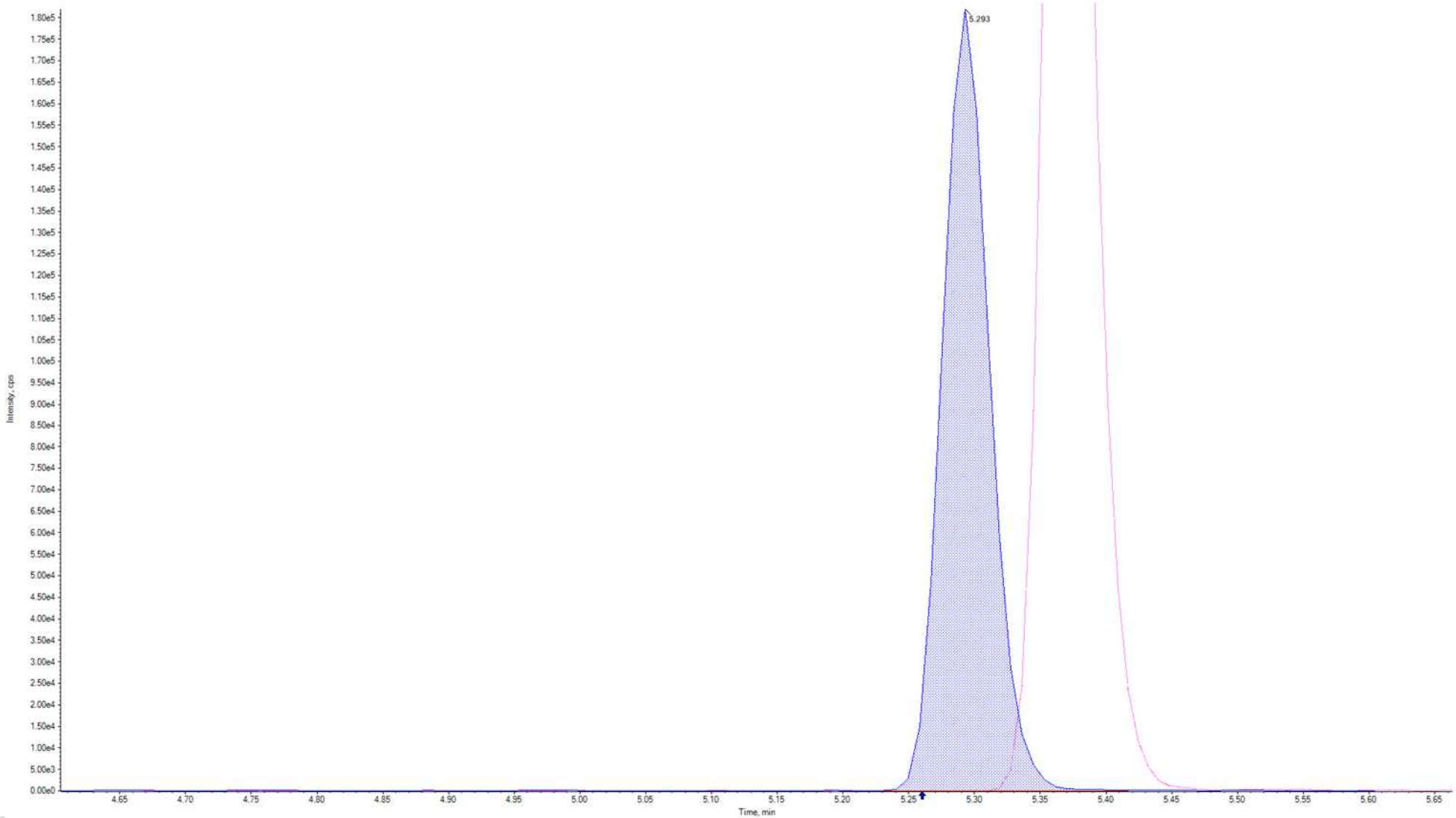
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NFDHA
Sample: WG1972930-3,1633MED S/N:16463071.2 Points Across peak:28



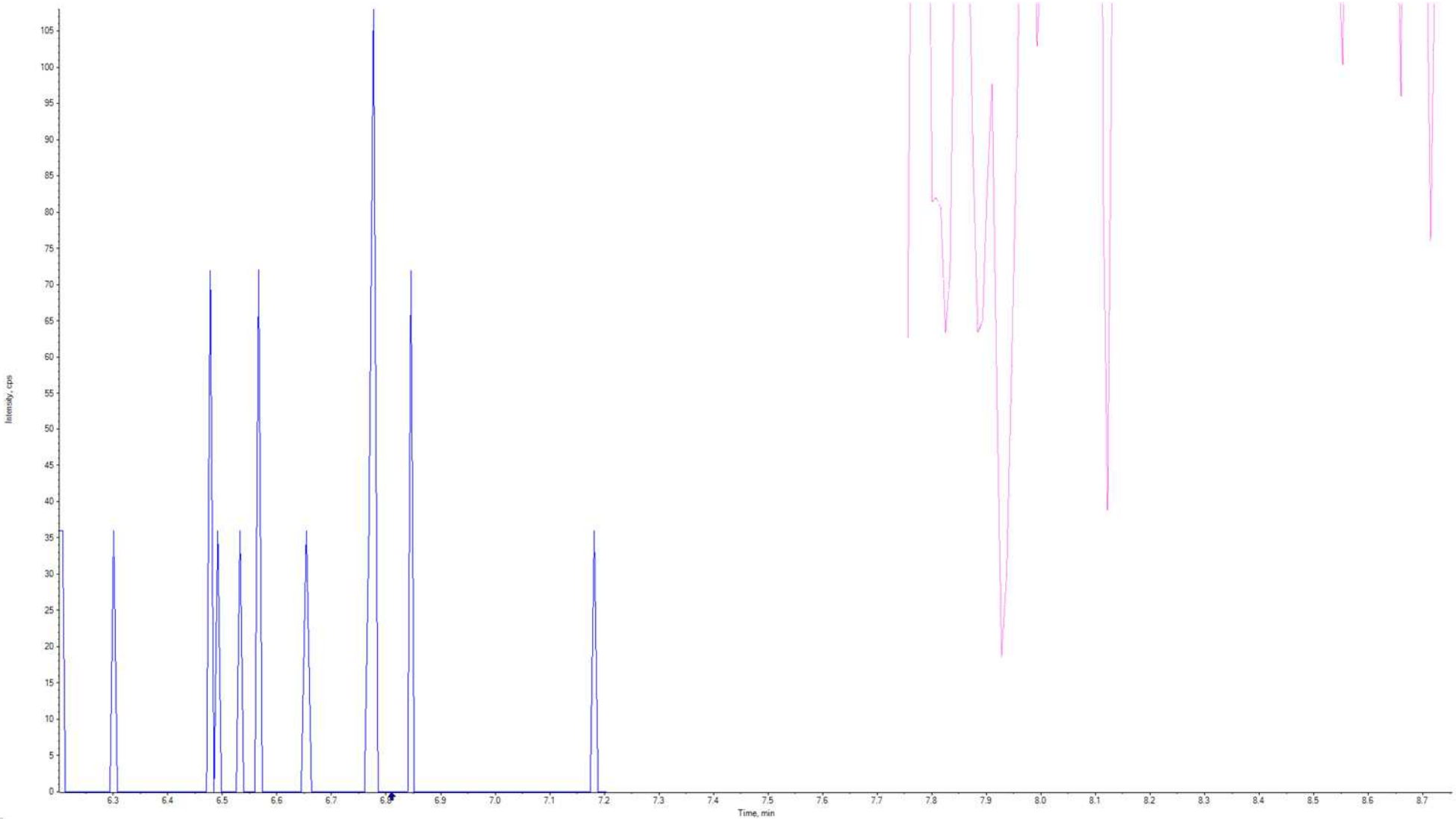
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

NFDHA_2
Sample: WG1972930-3,1633MED S/N:3037.7 Points Across peak:25

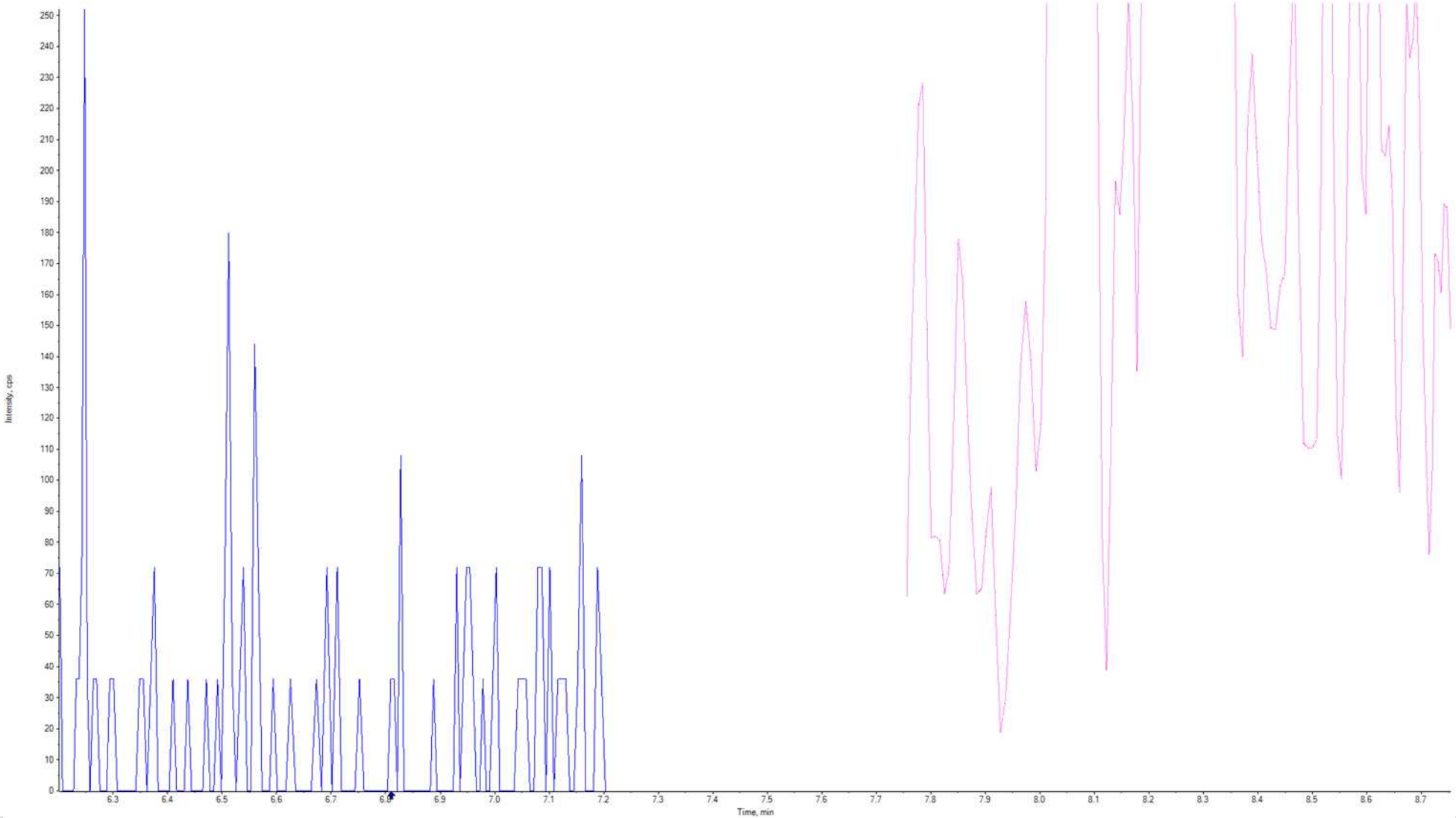


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

TDCA
Sample: WG1972930-3,1633MED S/N:N/A Points Across peak:N/A

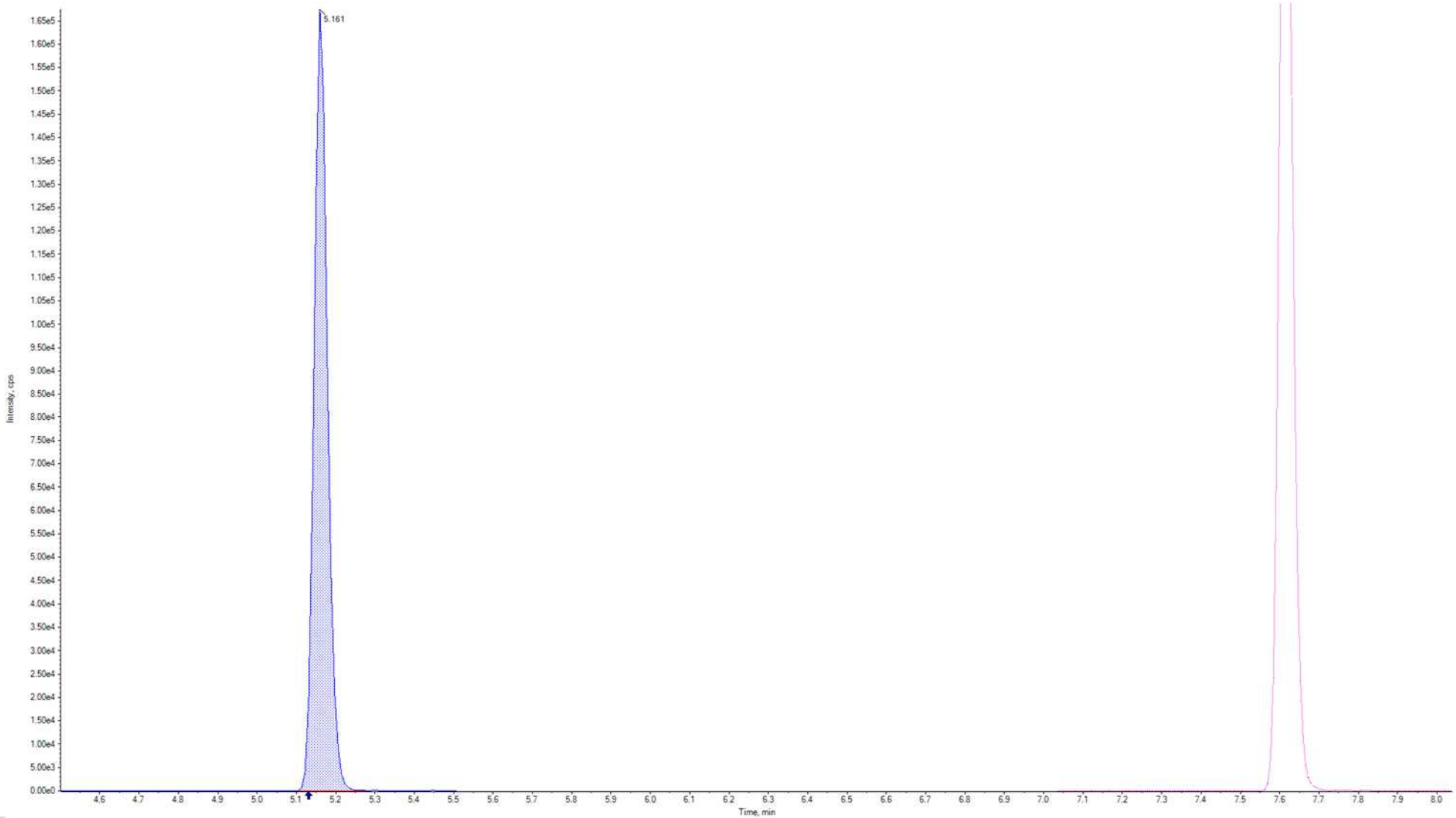


TDCA_2
Sample: WG1972930-3,1633MED S/N:N/A Points Across peak:N/A



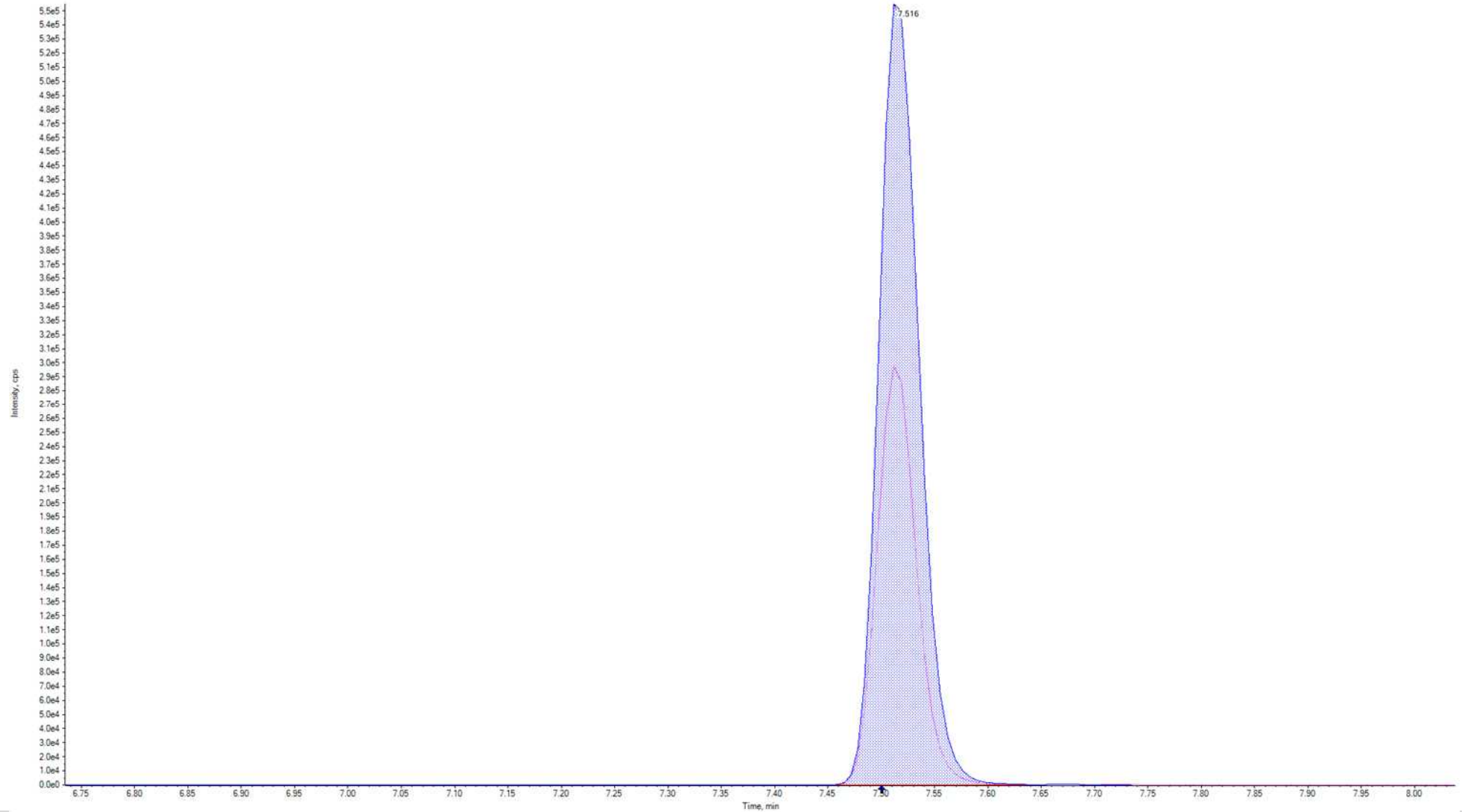
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C2D4-4:2FTS
Sample: WG1972930-3,1633MED S/N:794306.9 Points Across peak:27



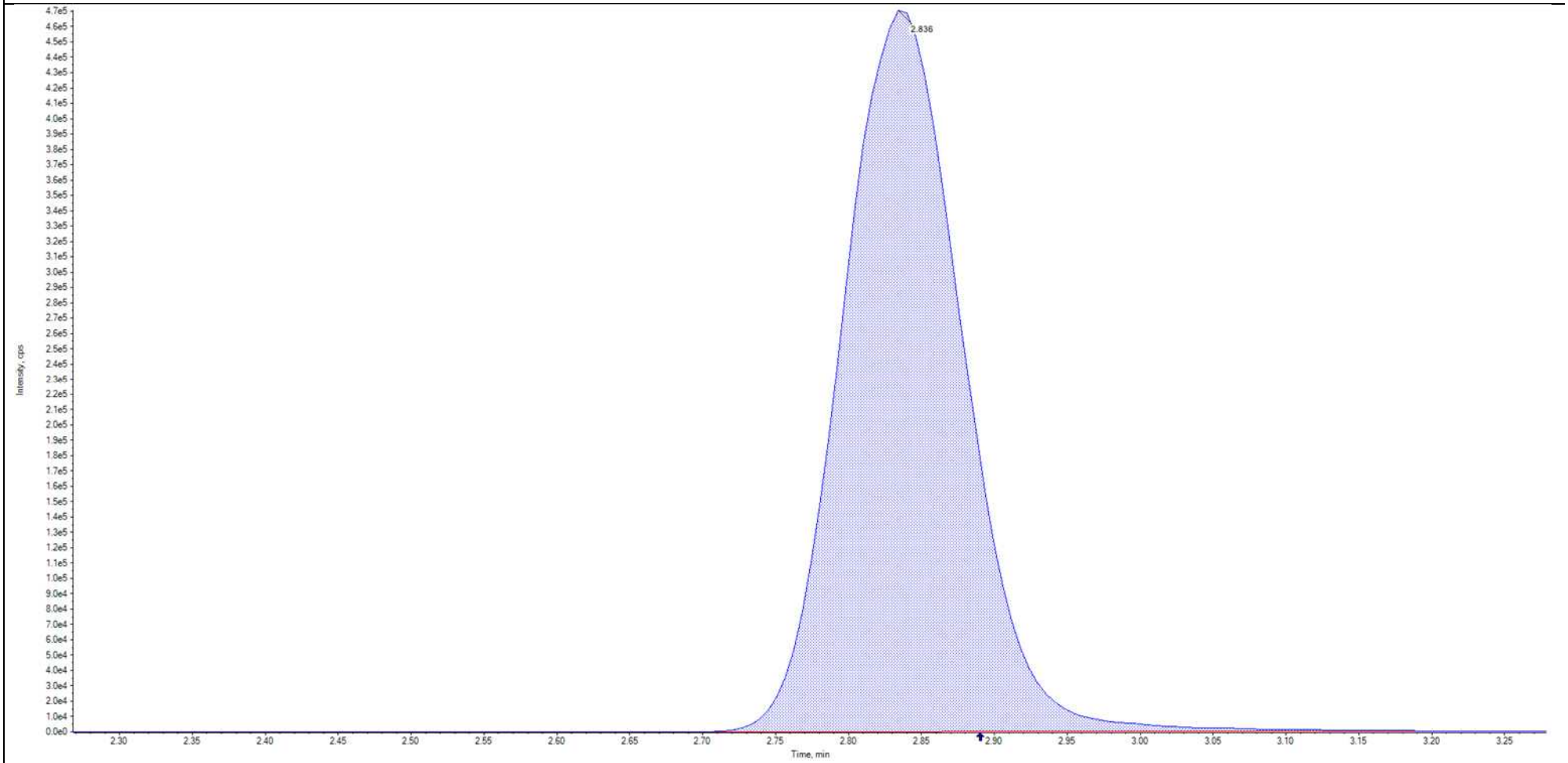
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C2-PFOA
Sample: WG1972930-3,1633MED S/N:8665.0 Points Across peak:31



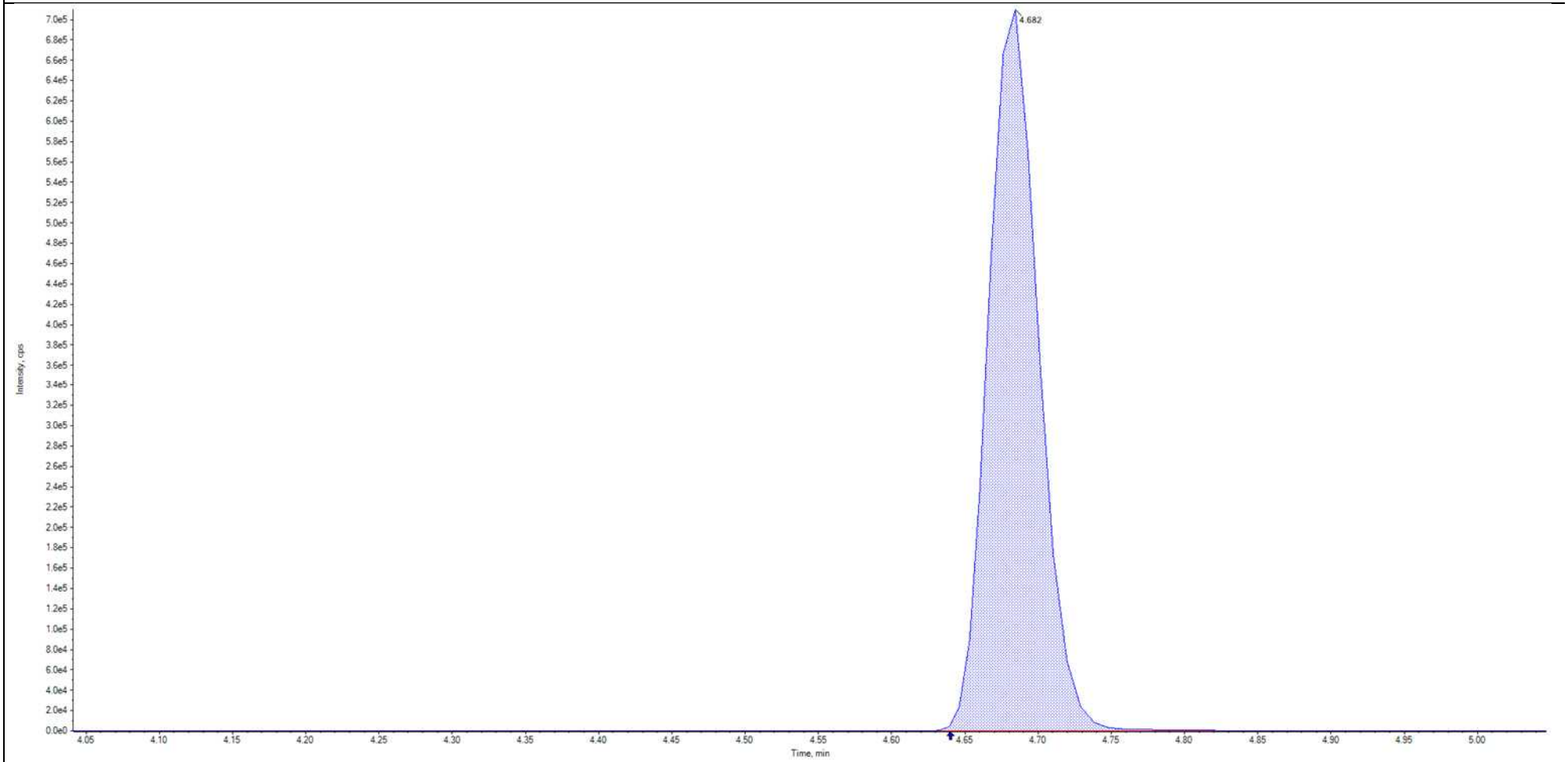
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C4-PFBA
Sample: WG1972930-3,1633MED

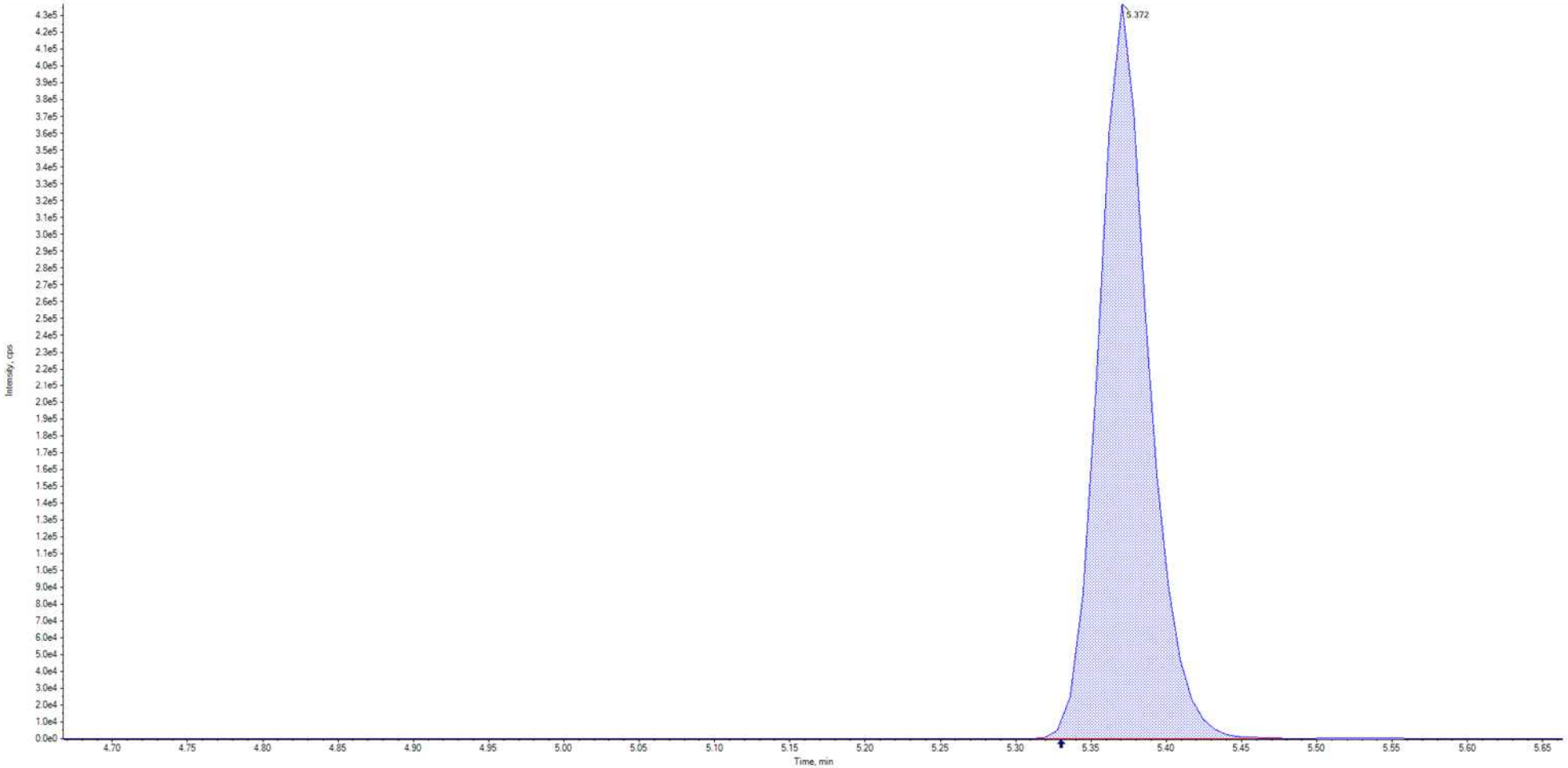


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C5-PFPeA
Sample: WG1972930-3,1633MED

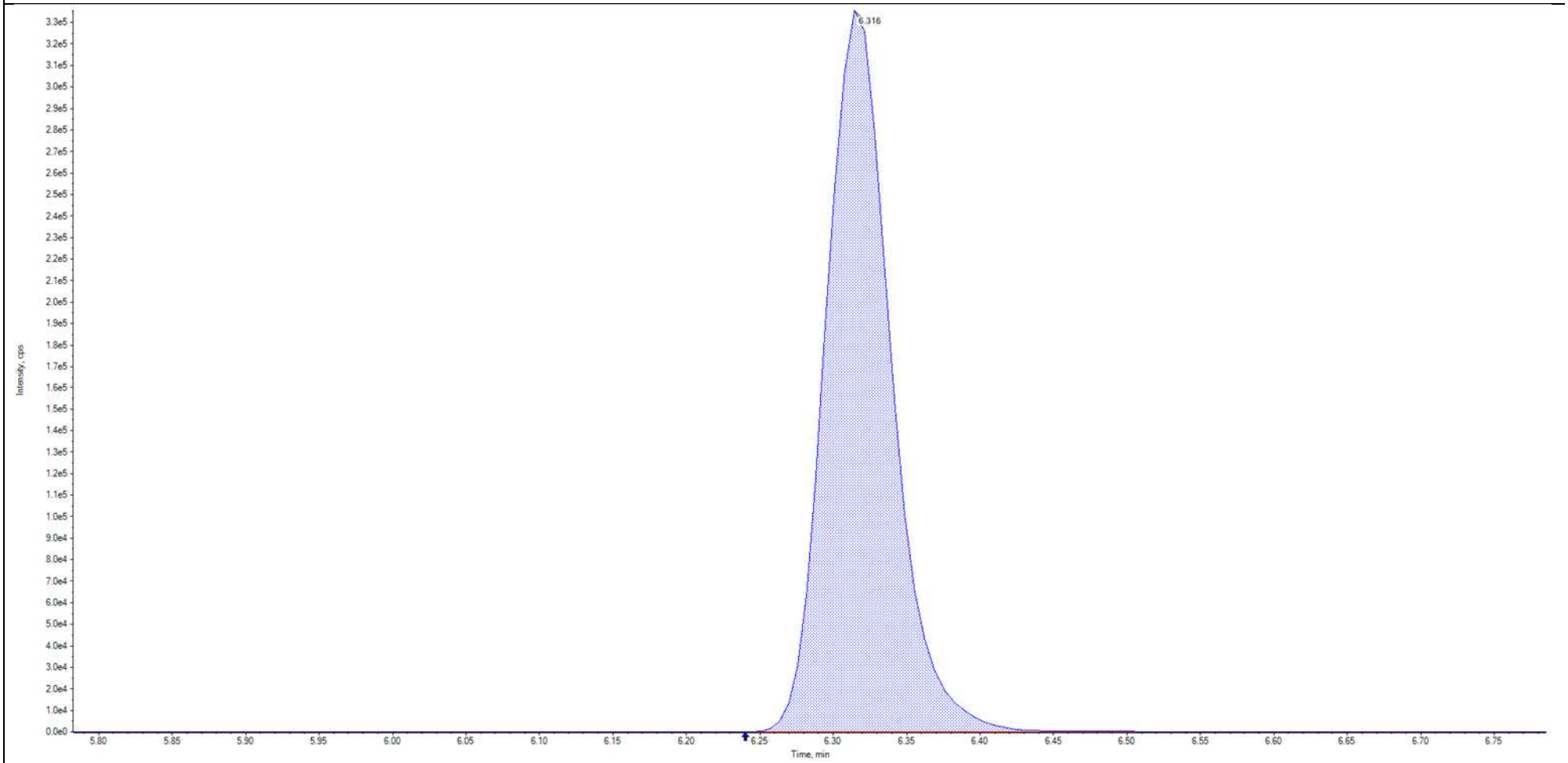


13C5-PFHxA
Sample: WG1972930-3,1633MED



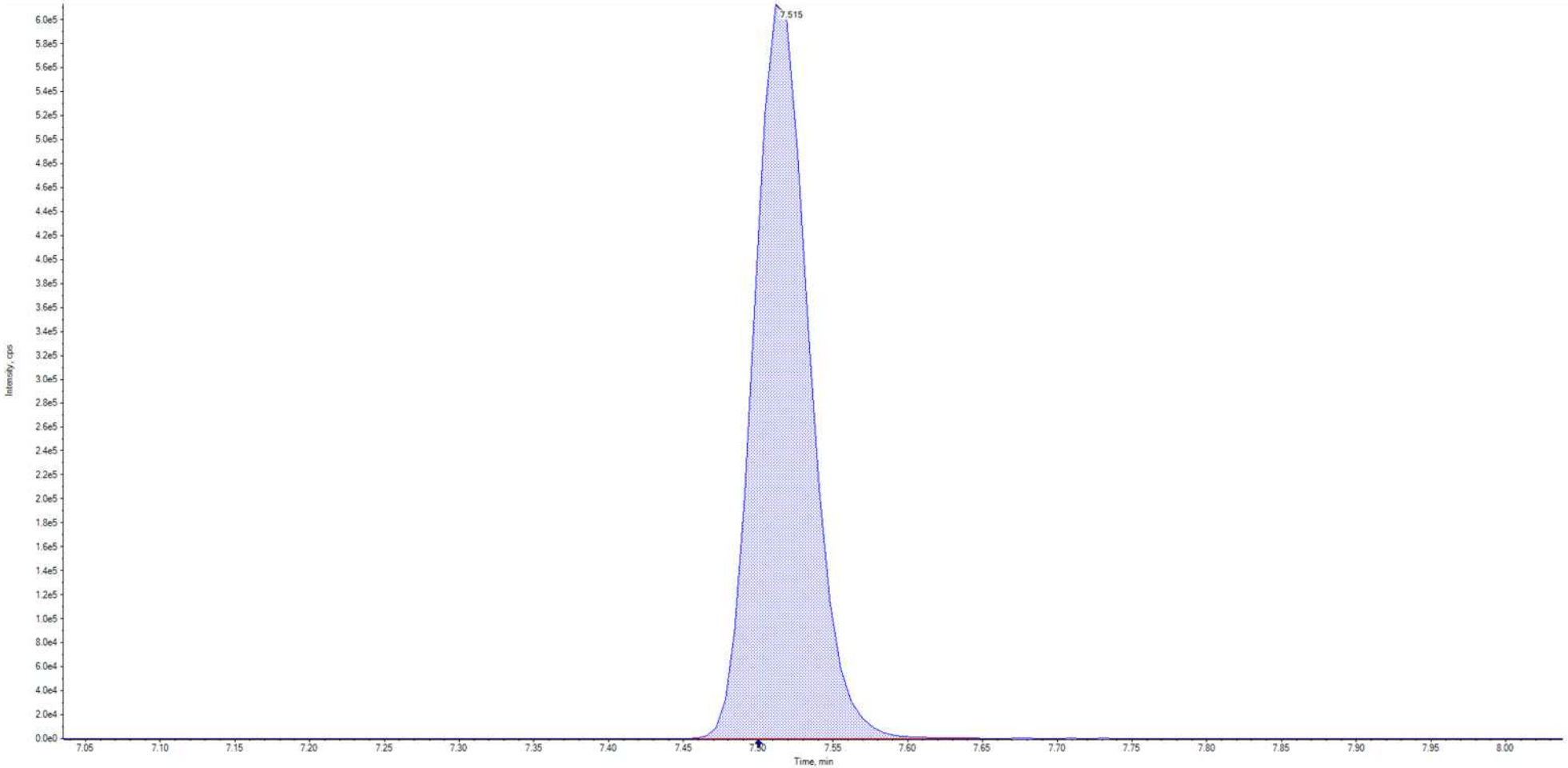
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C4-PFHpA
Sample: WG1972930-3,1633MED

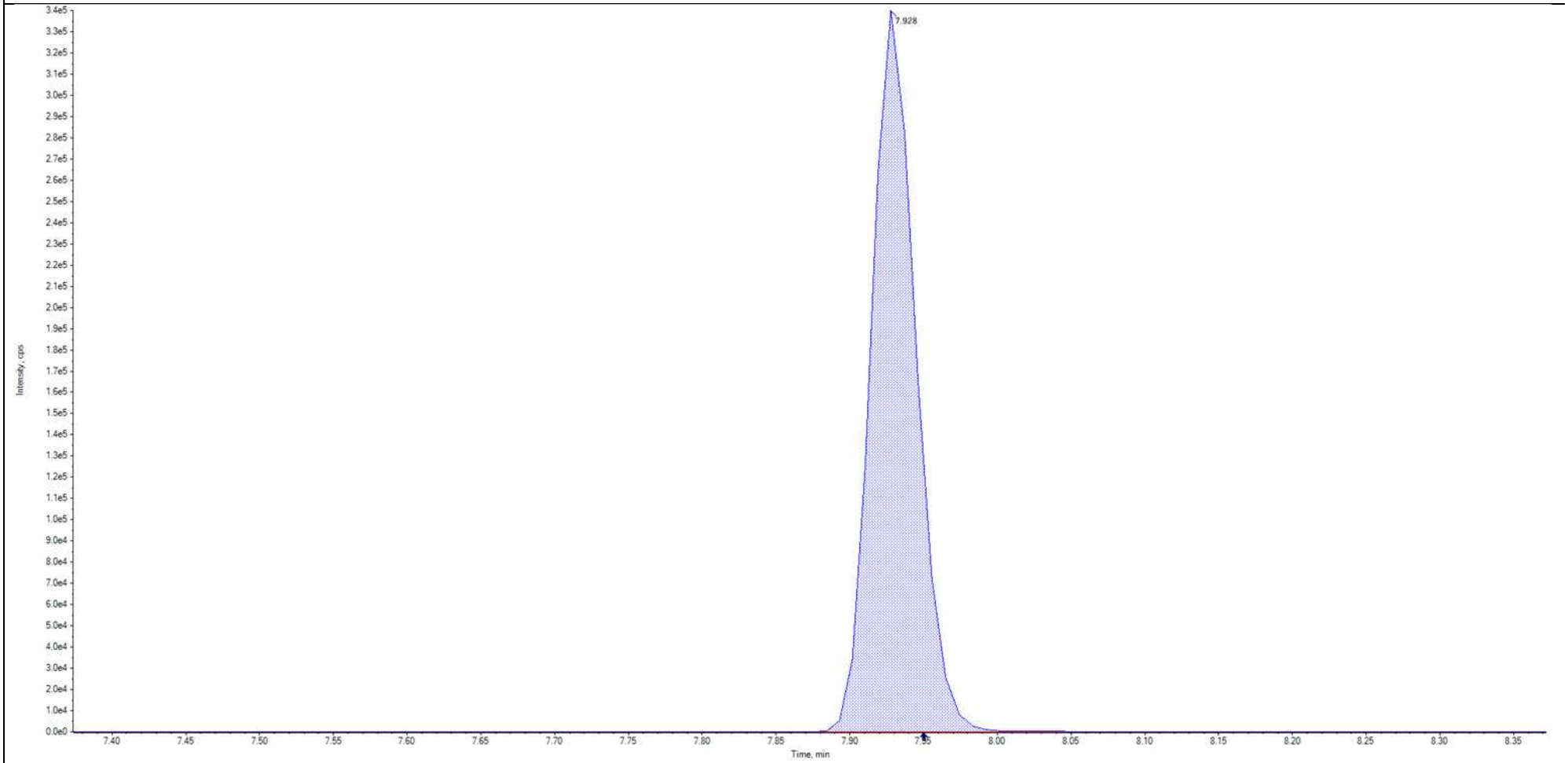


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

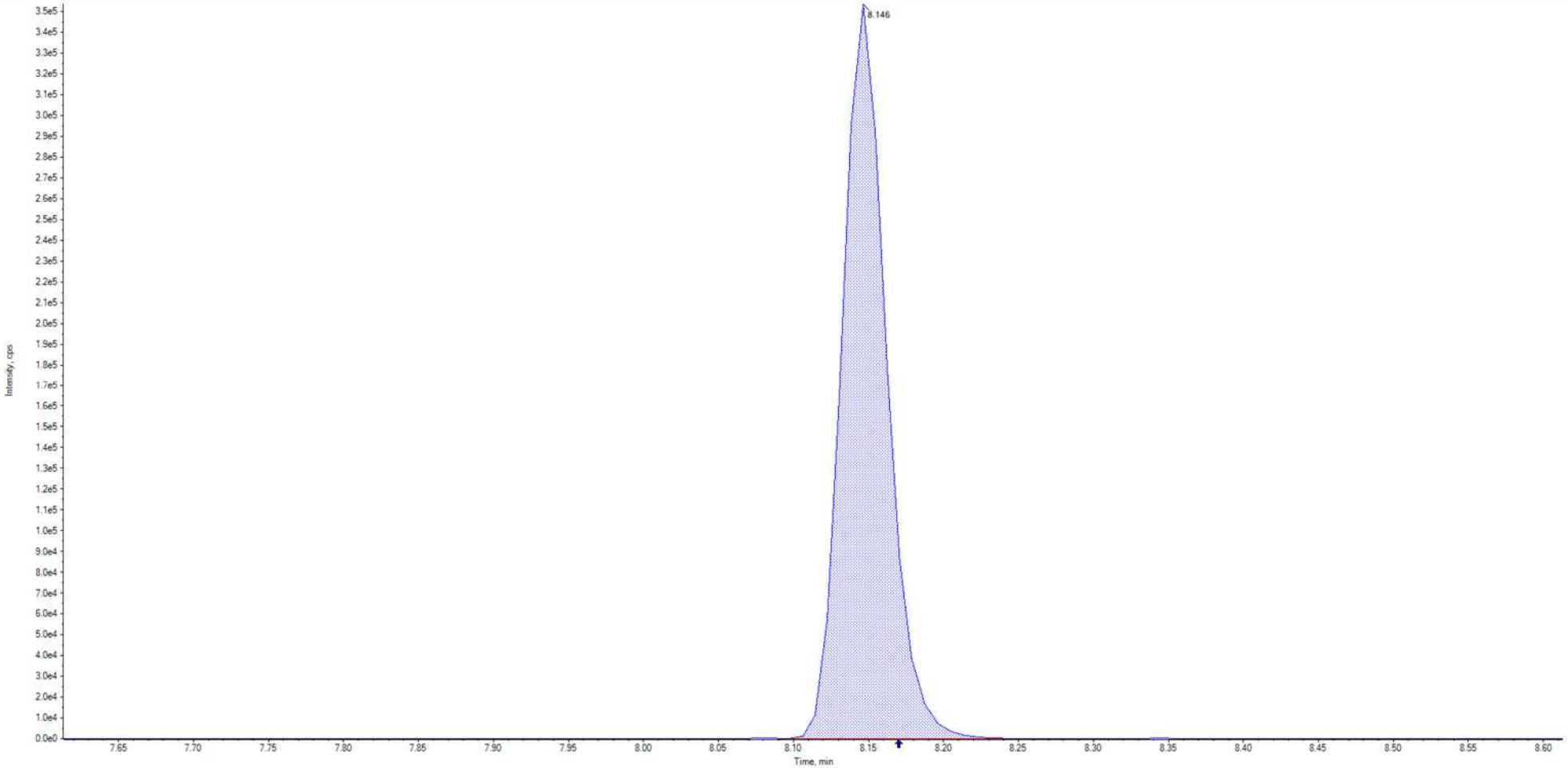
13C8-PFOA
Sample: WG1972930-3,1633MED



13C9-PFNA
Sample: WG1972930-3,1633MED

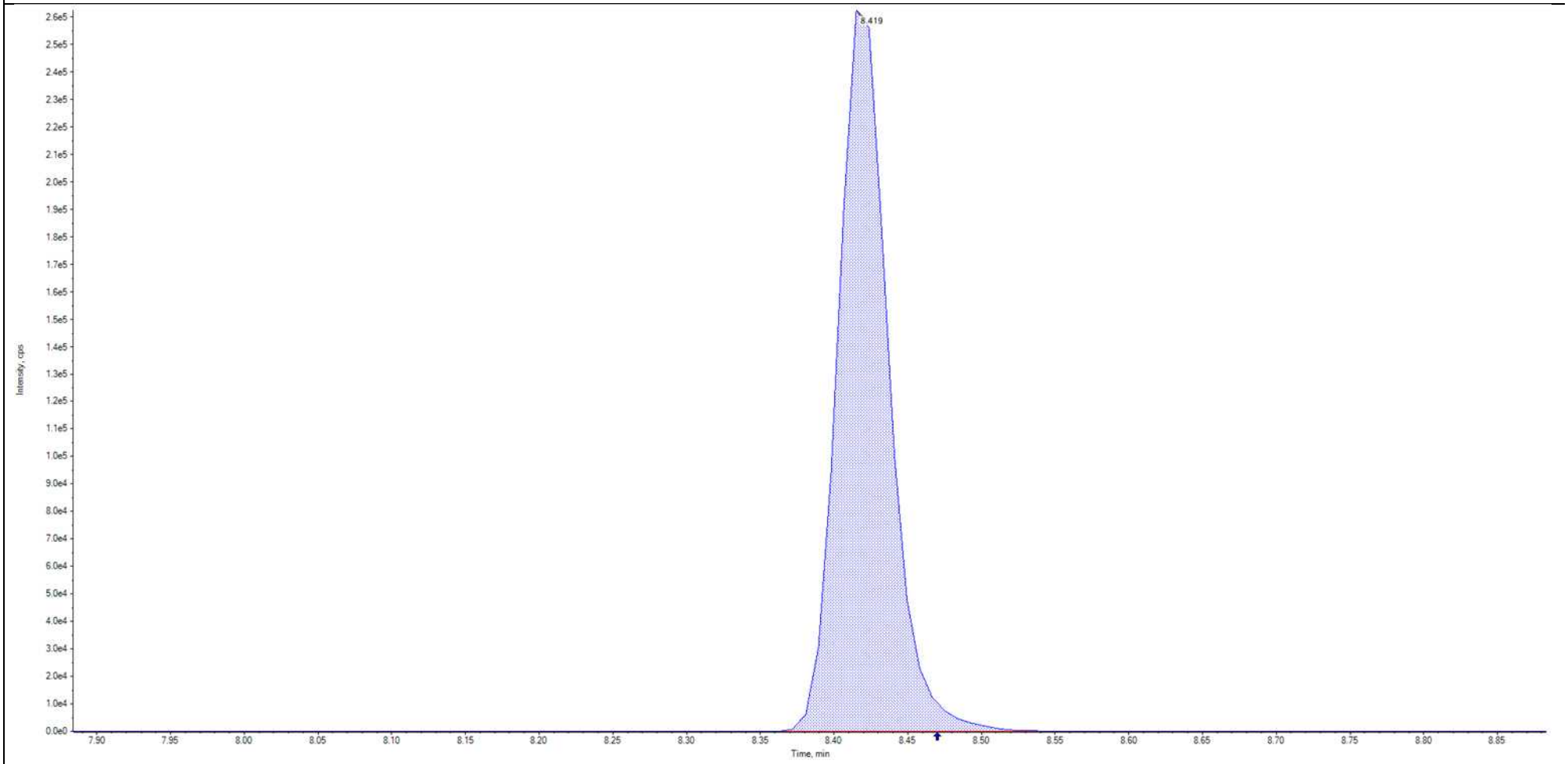


13C6-PFDA
Sample: WG1972930-3,1633MED



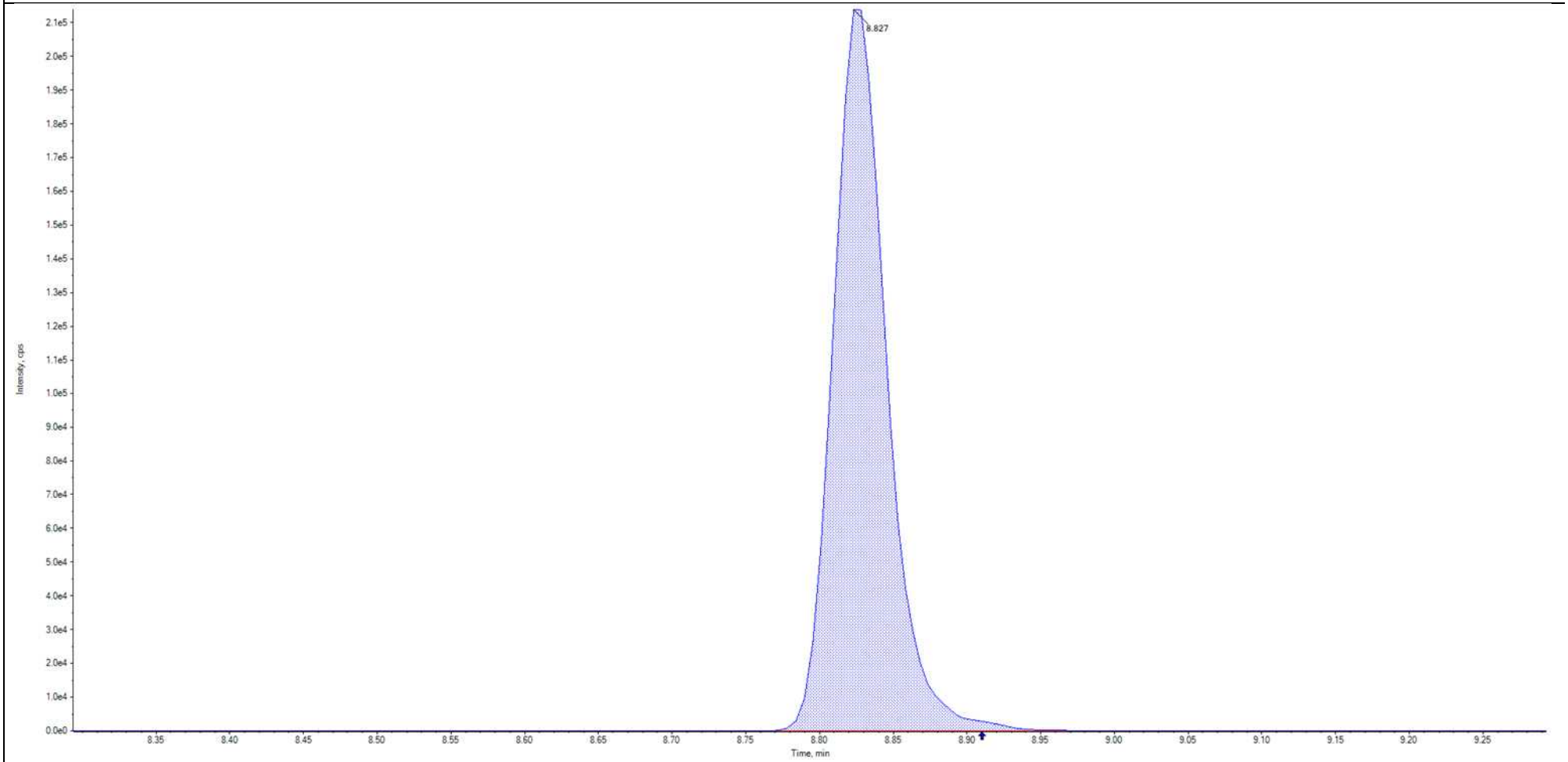
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C7-PFUnA
Sample: WG1972930-3,1633MED

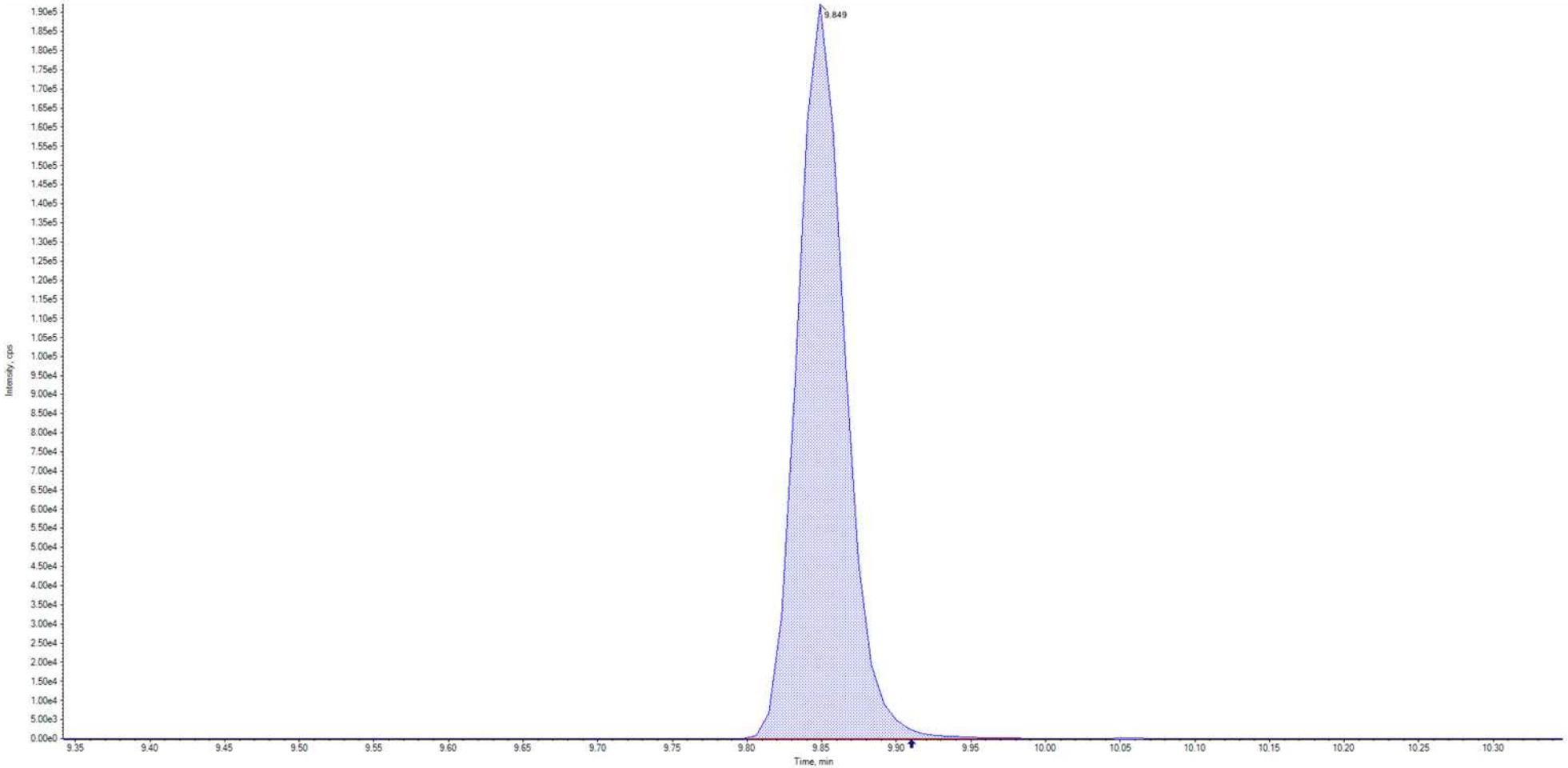


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C2-PFDoA
Sample: WG1972930-3,1633MED



13C2-PFTeDA
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
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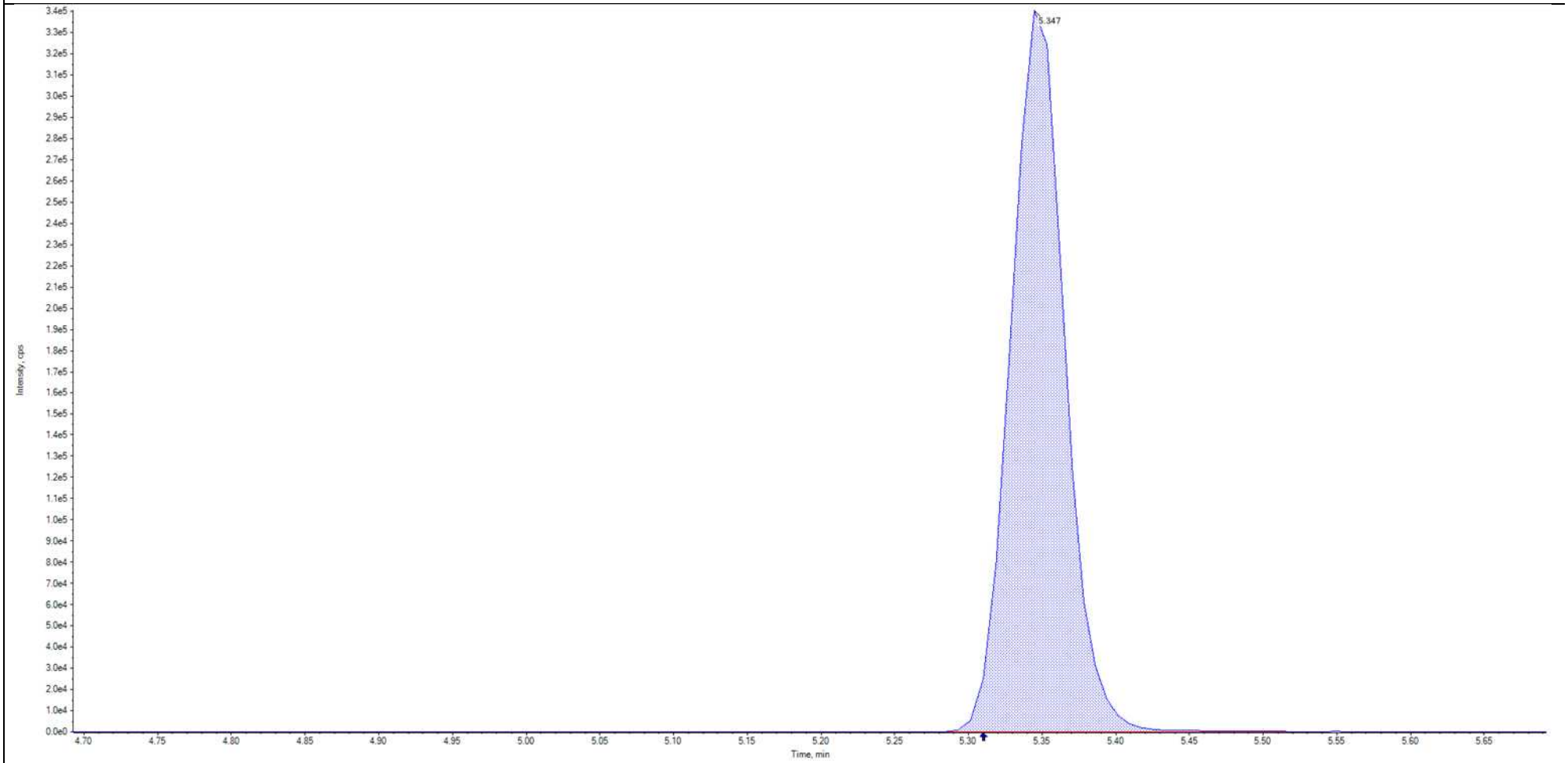
13C3-PFBS
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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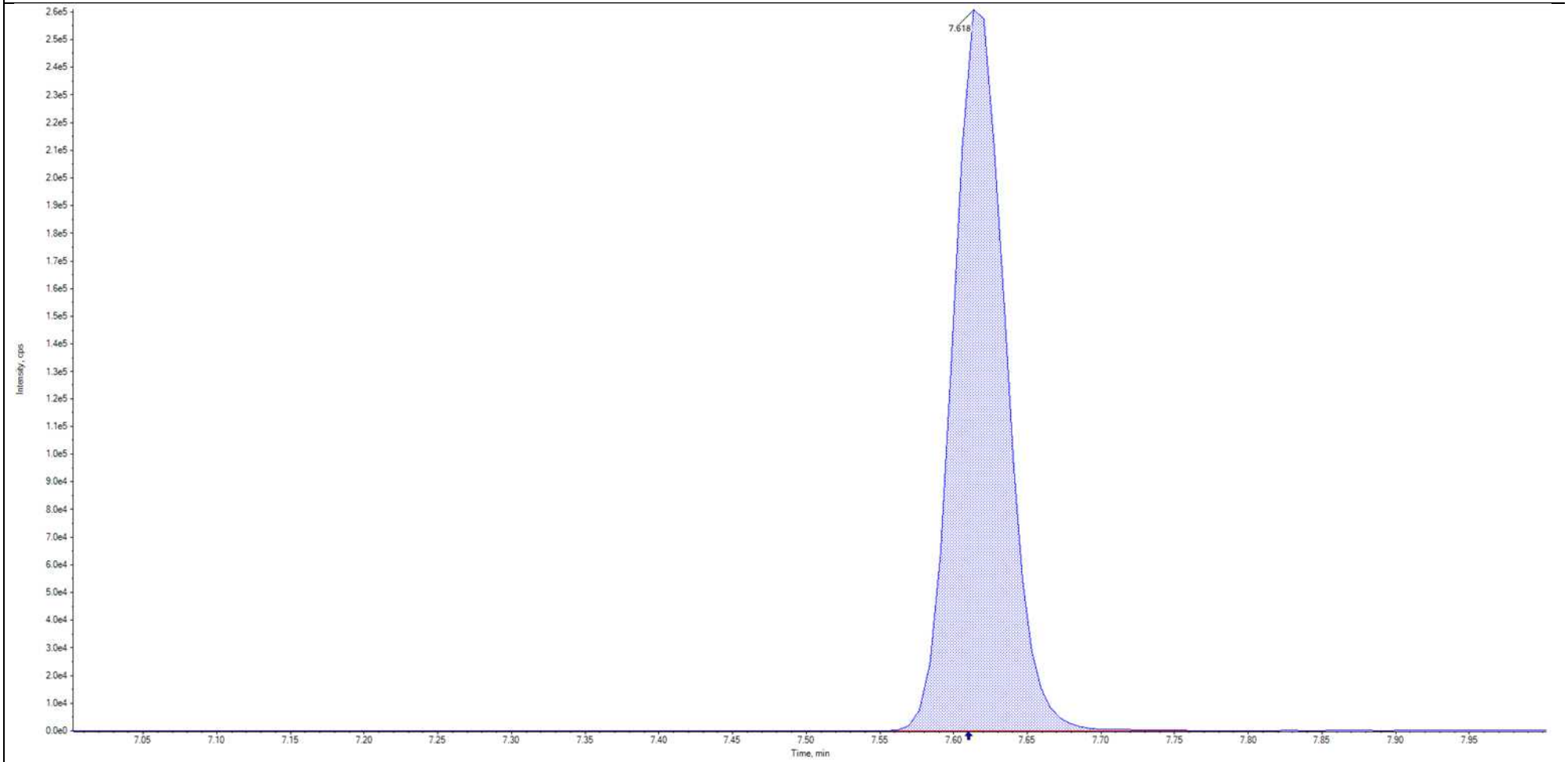
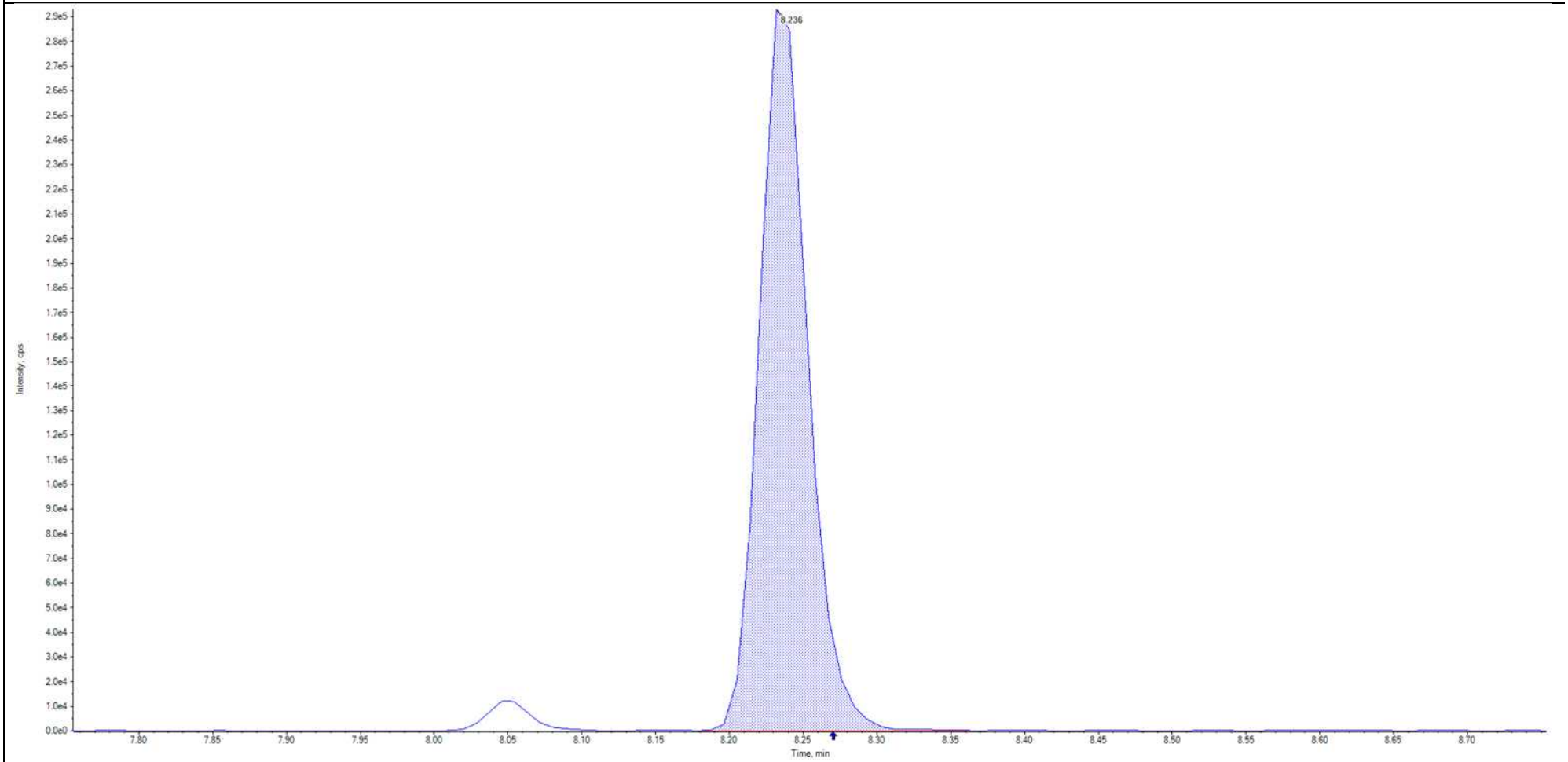
13C3-PFHxS
Sample: WG1972930-3,1633MED



13C8-PFOS
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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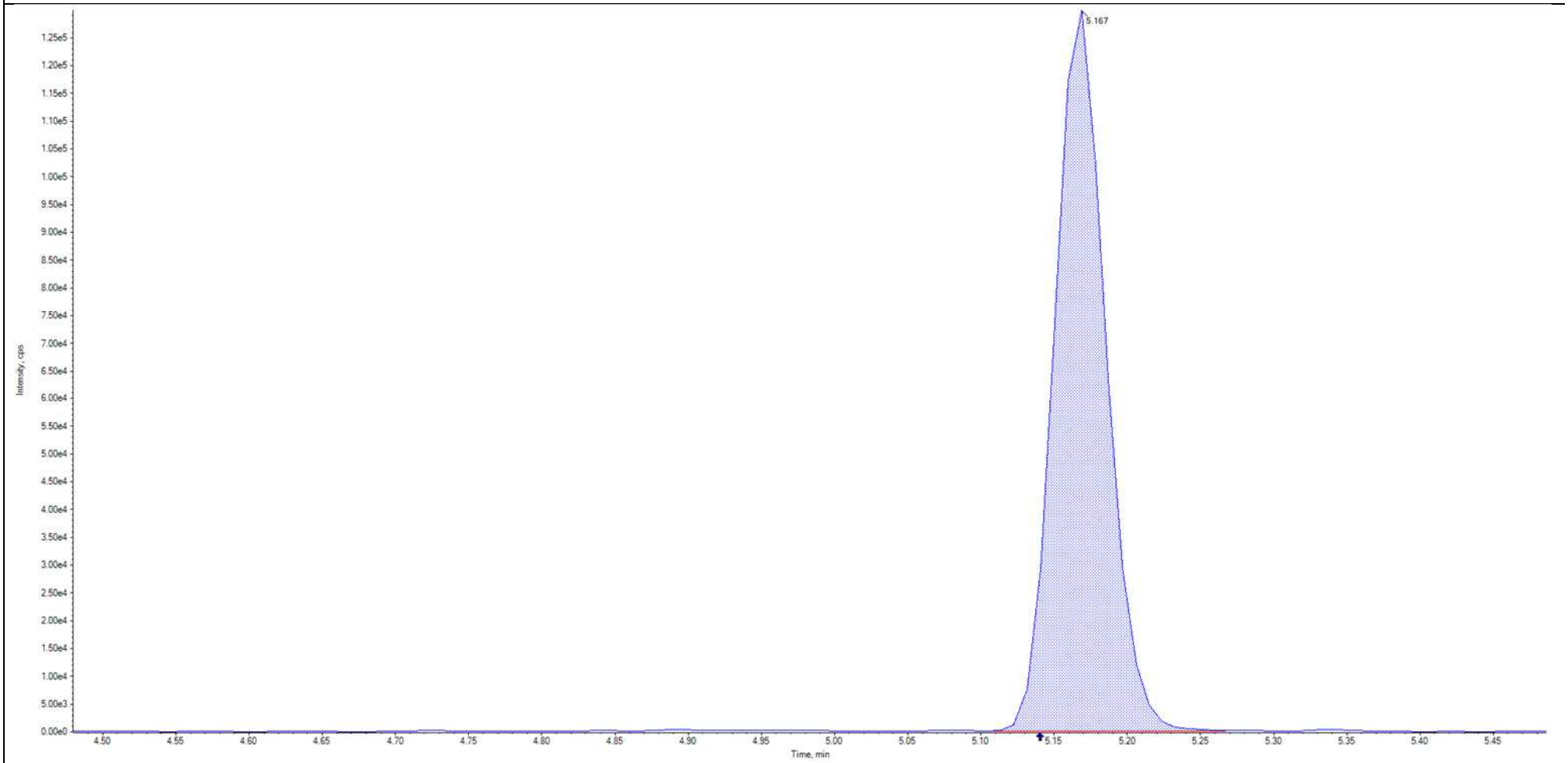
13C2-4:2FTS
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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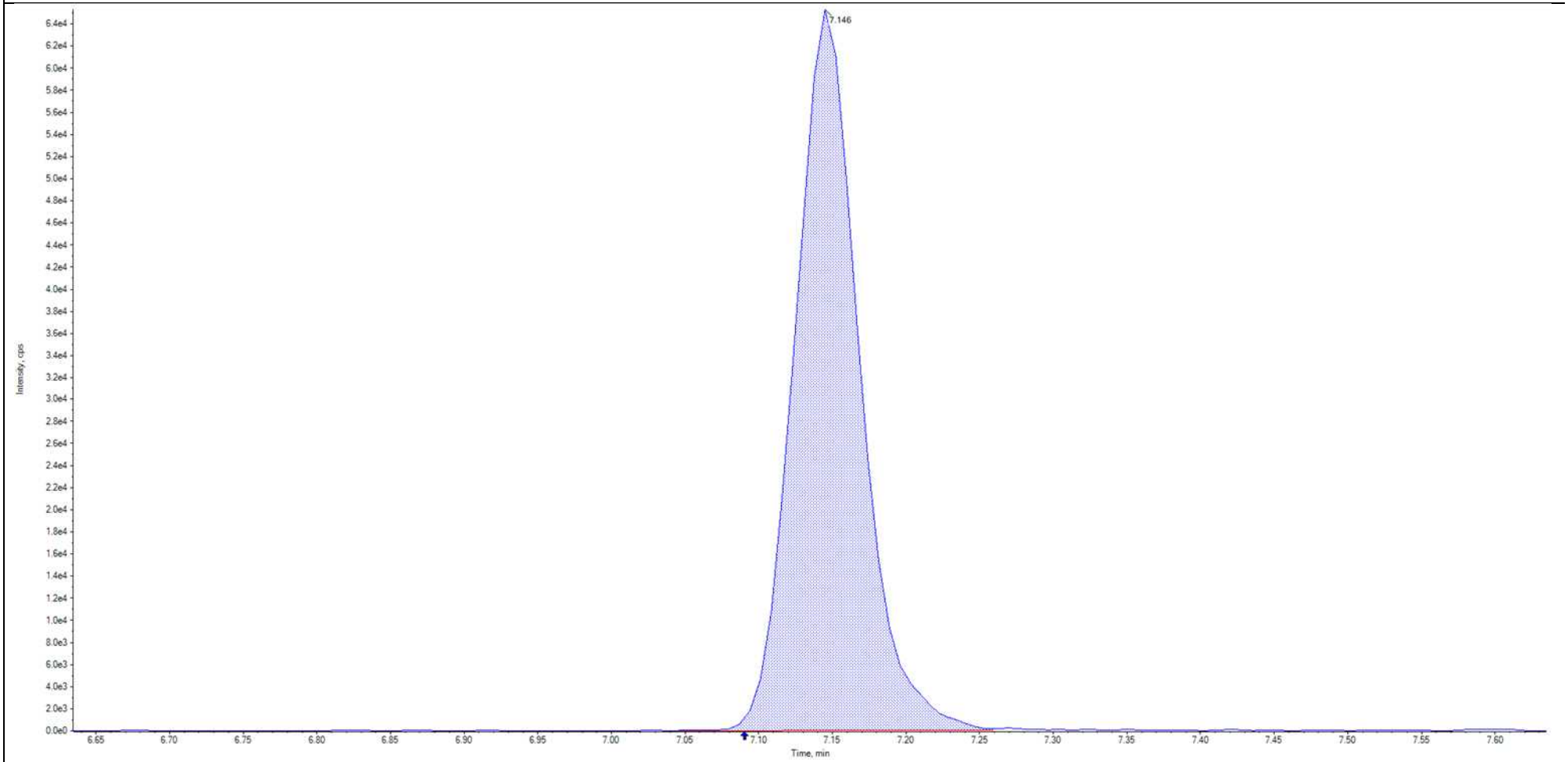
13C2-6:2FTS
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
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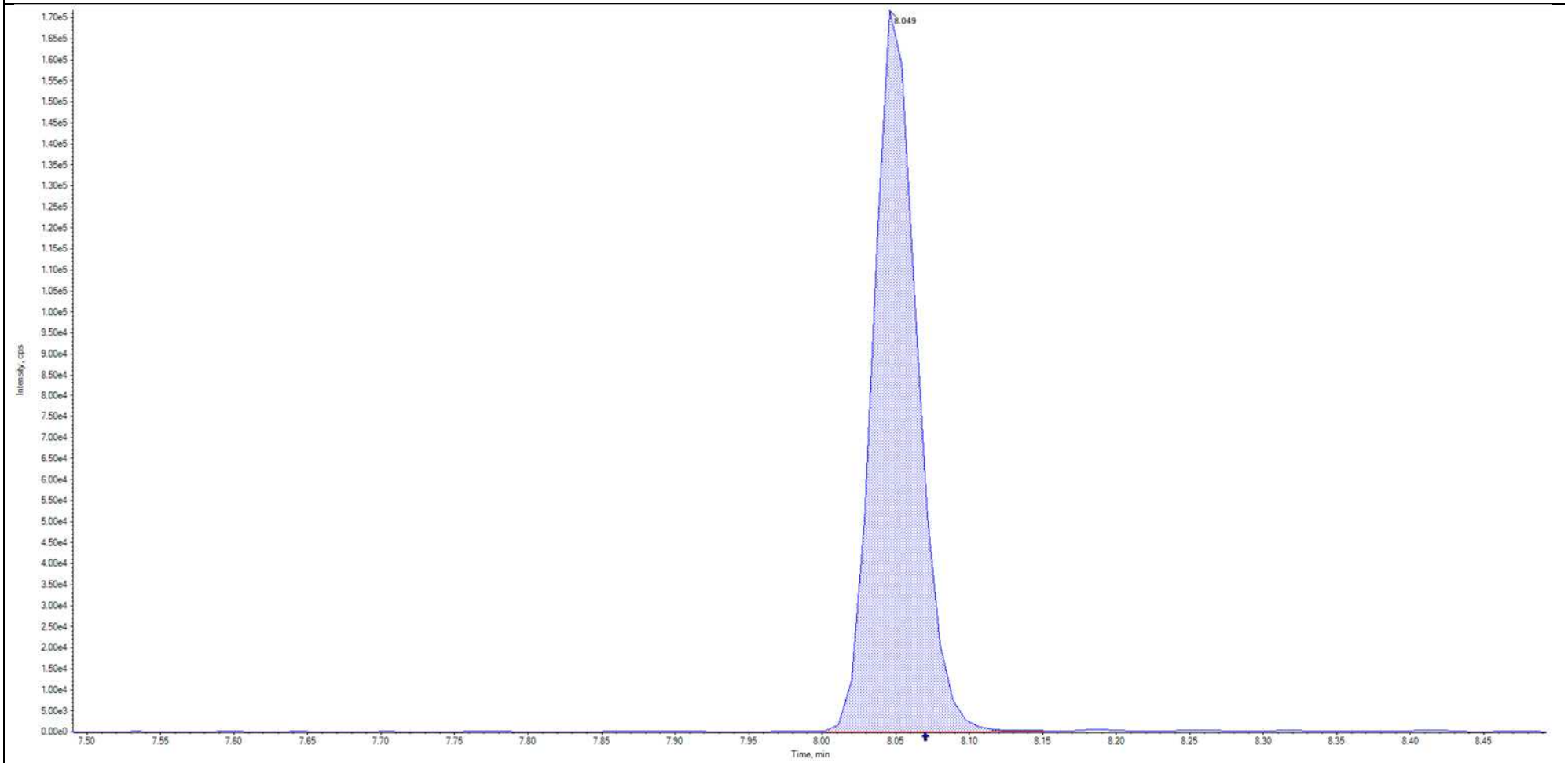
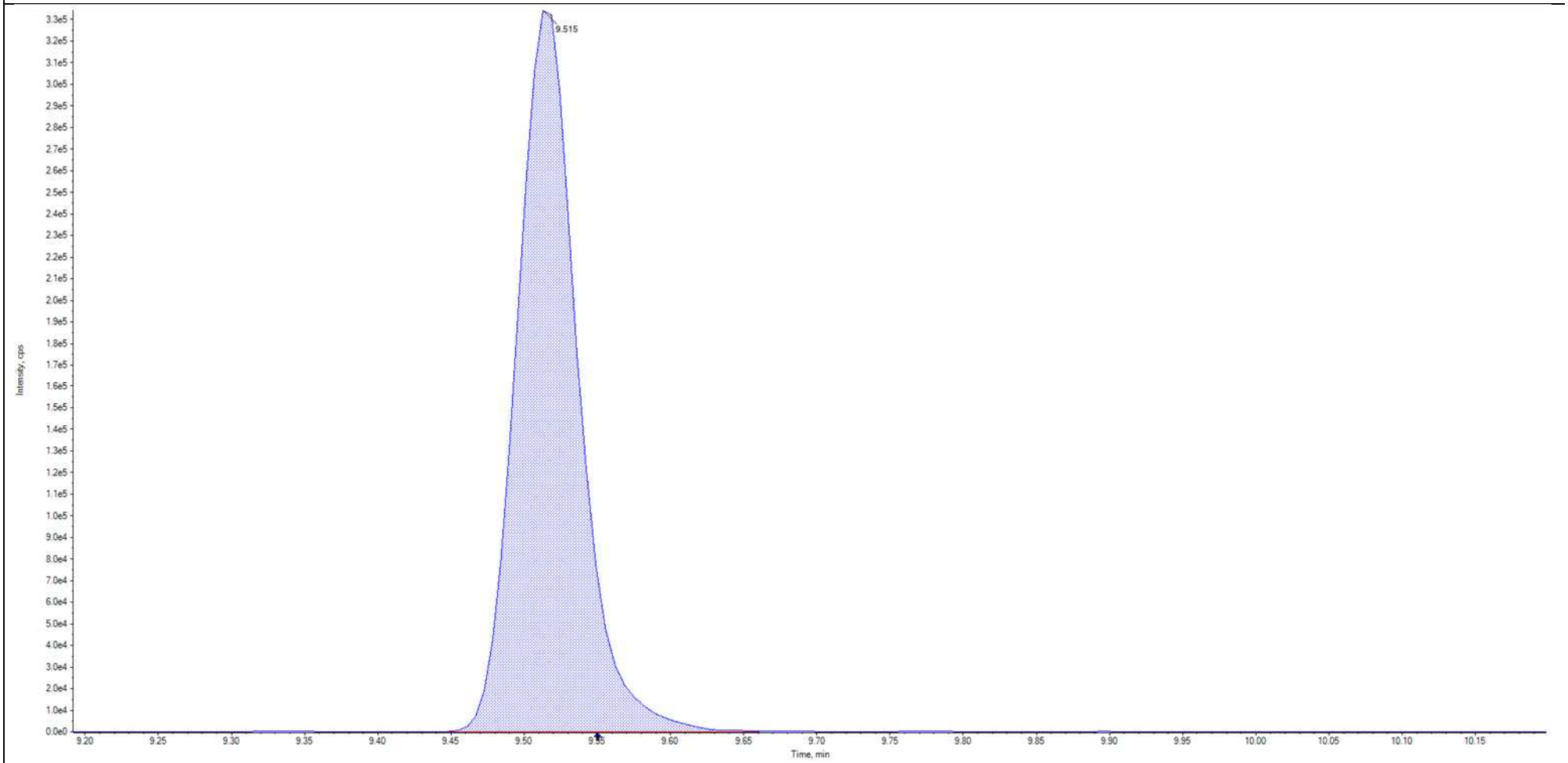
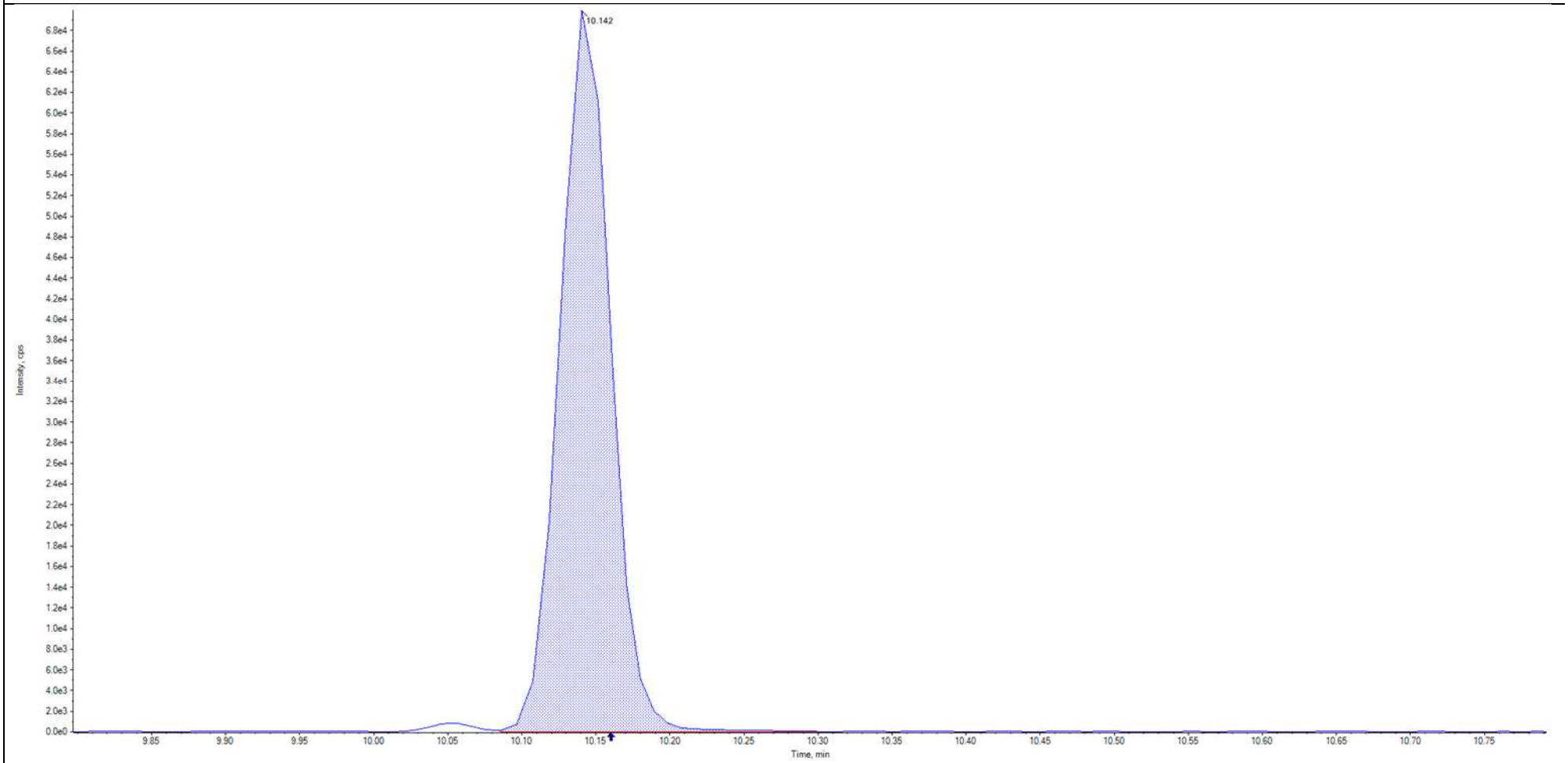
13C2-8:2FTS
Sample: WG1972930-3,1633MED



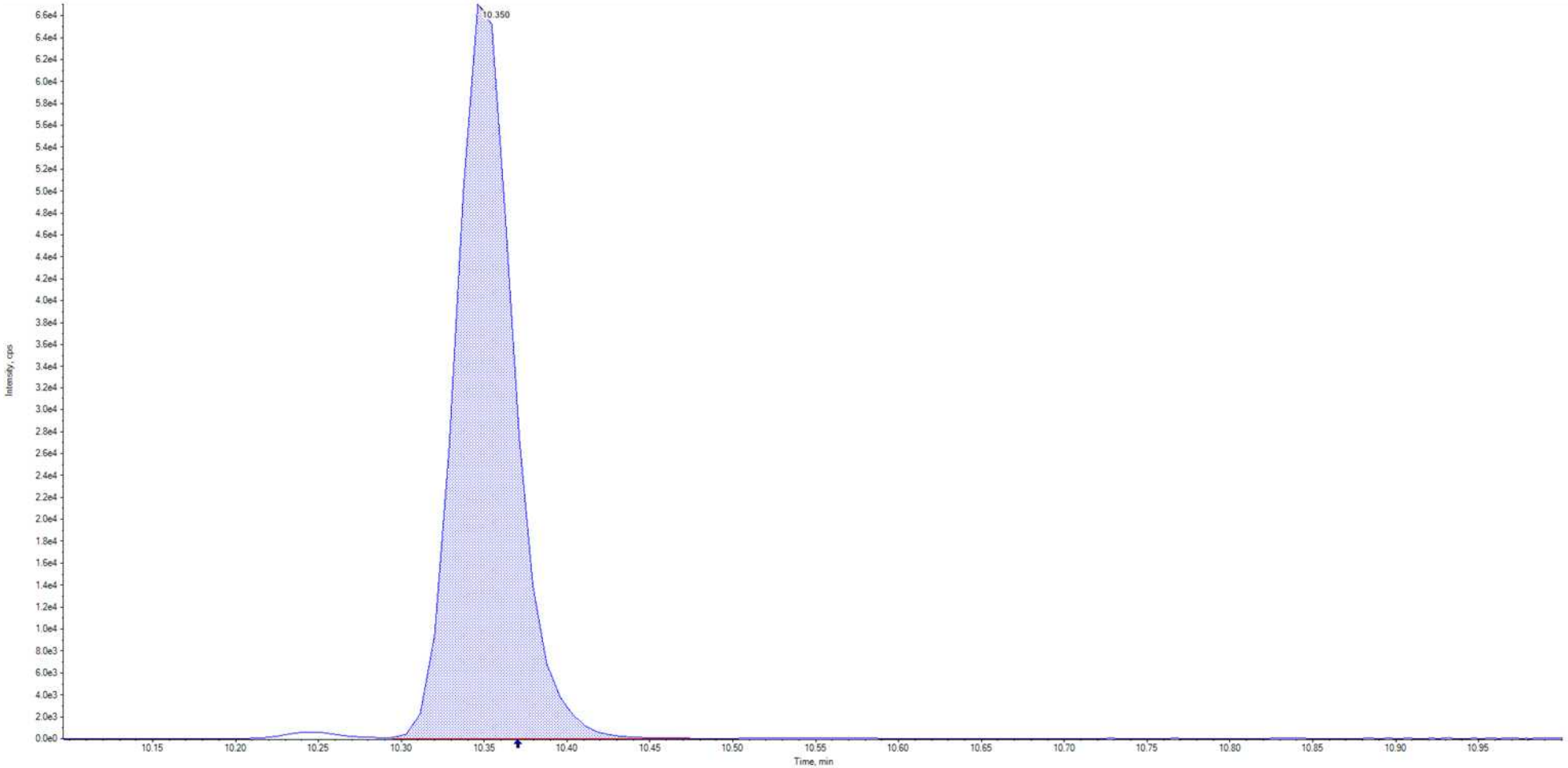
13C8-PFOSA
Sample: WG1972930-3,1633MED



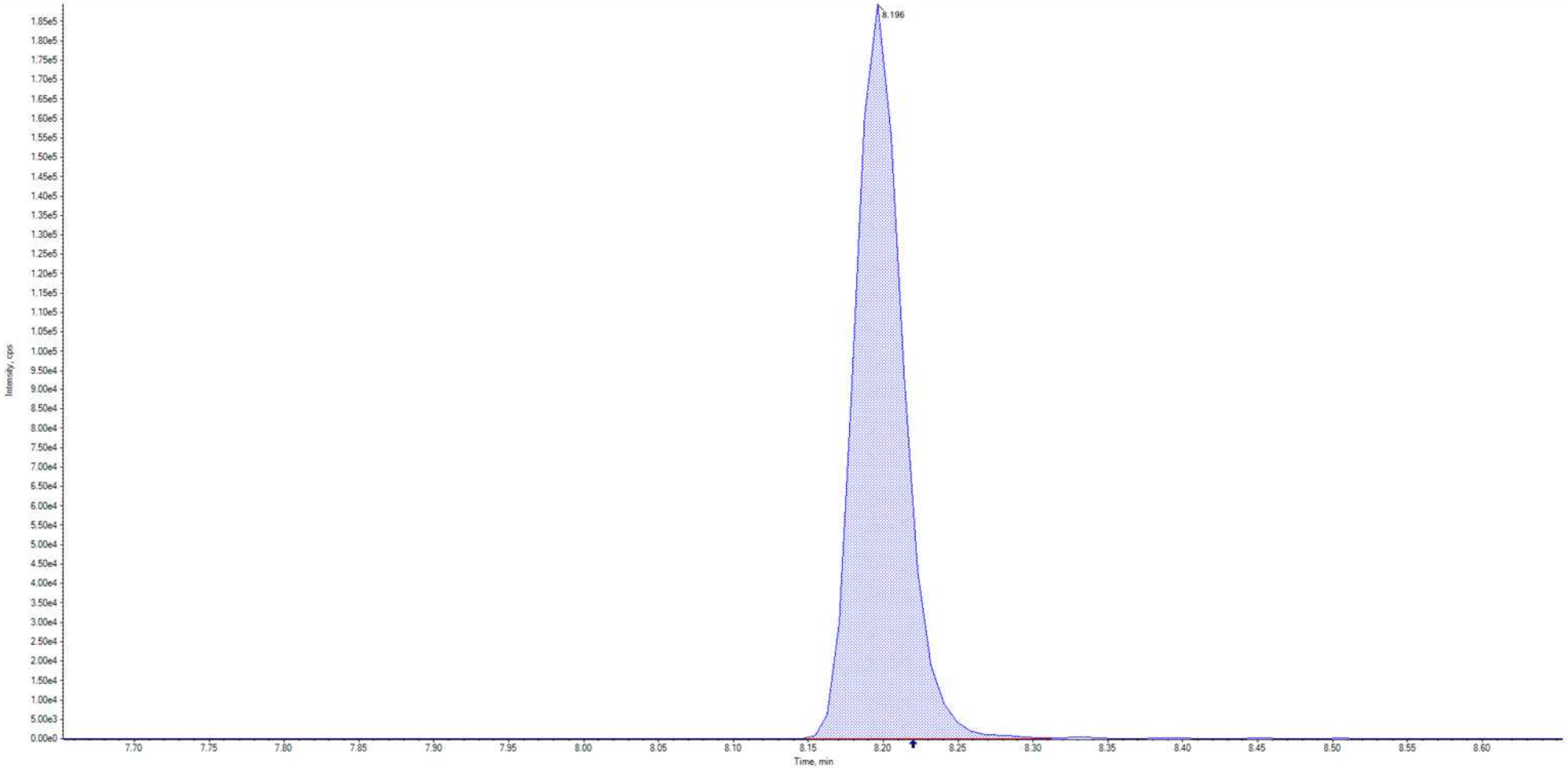
d3-NMeFOSA
Sample: WG1972930-3,1633MED



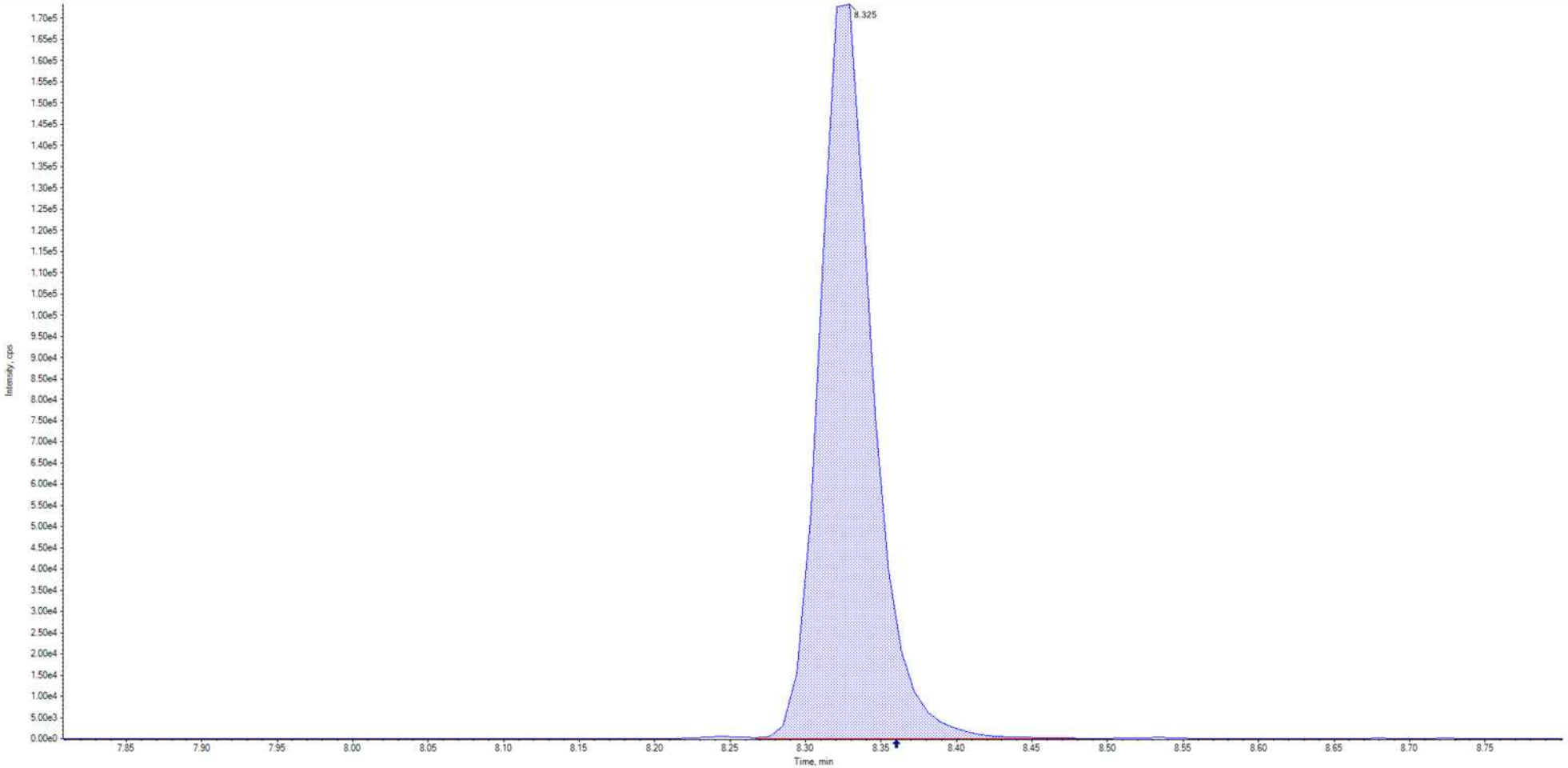
d5-NEtFOSA
Sample: WG1972930-3,1633MED



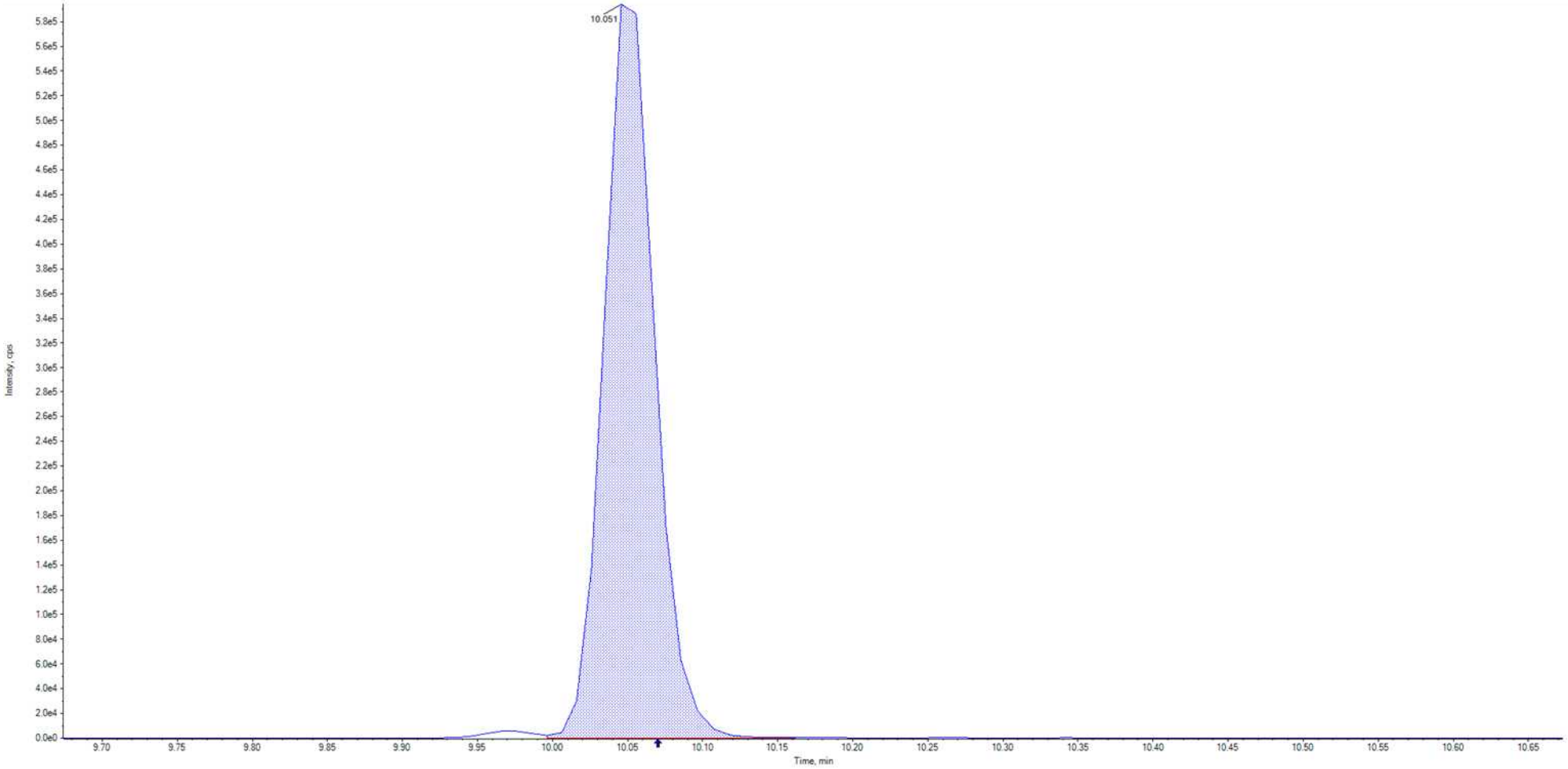
d3-NMeFOSAA
Sample: WG1972930-3,1633MED



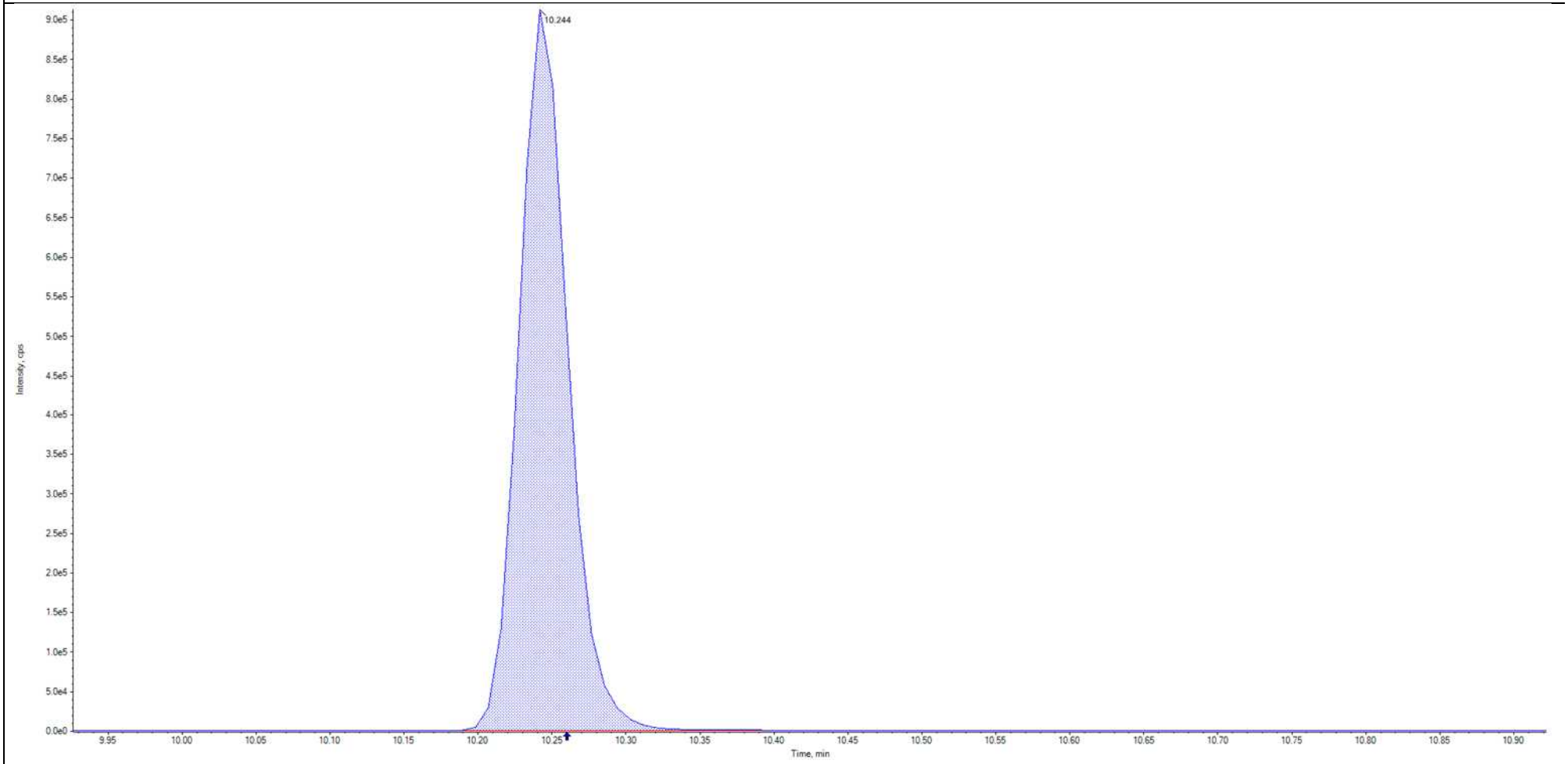
d5-NEtFOSAA
Sample: WG1972930-3,1633MED



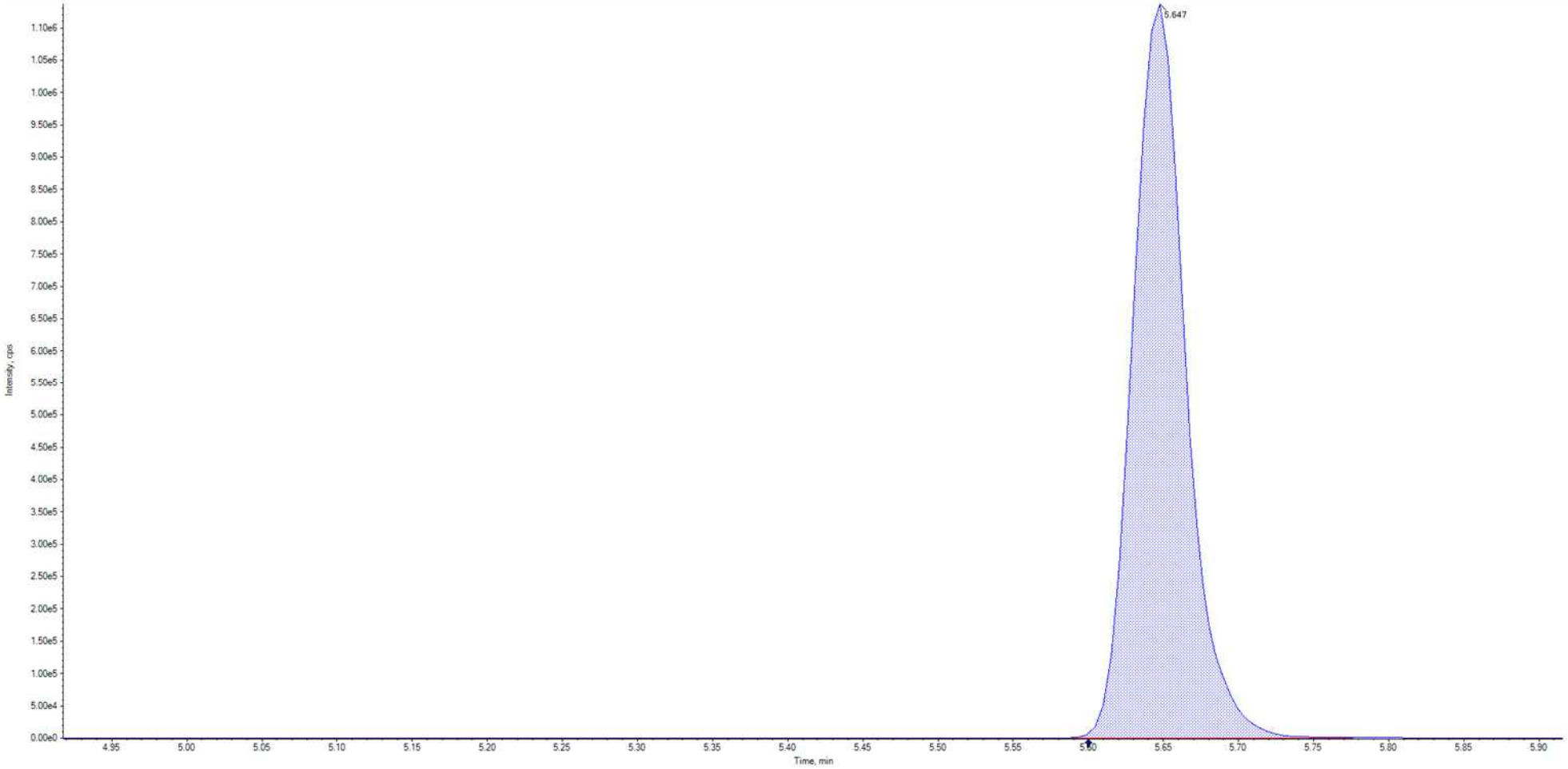
d7-NMeFOSE
Sample: WG1972930-3,1633MED



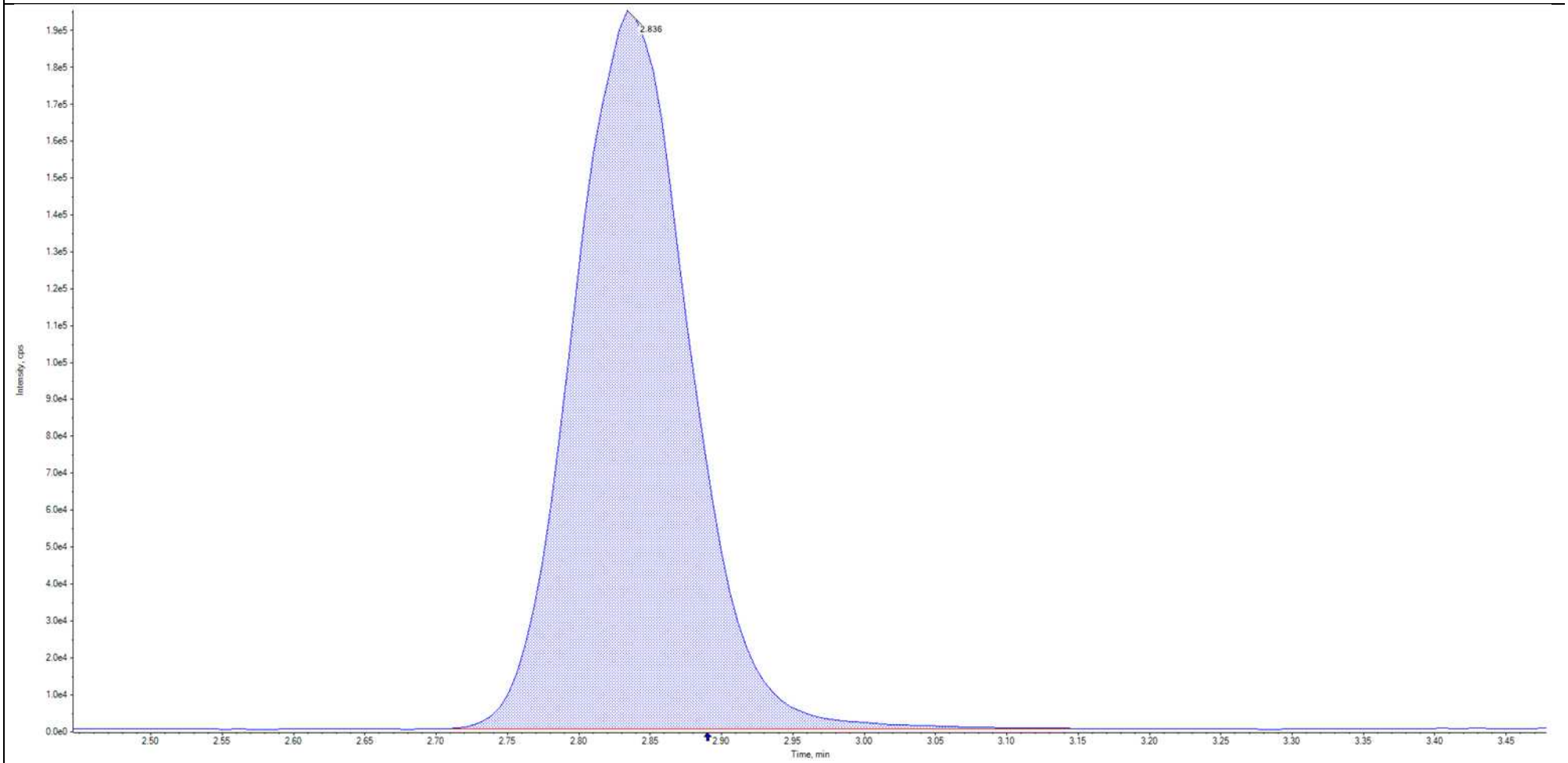
d9-NEtFOSE
Sample: WG1972930-3,1633MED



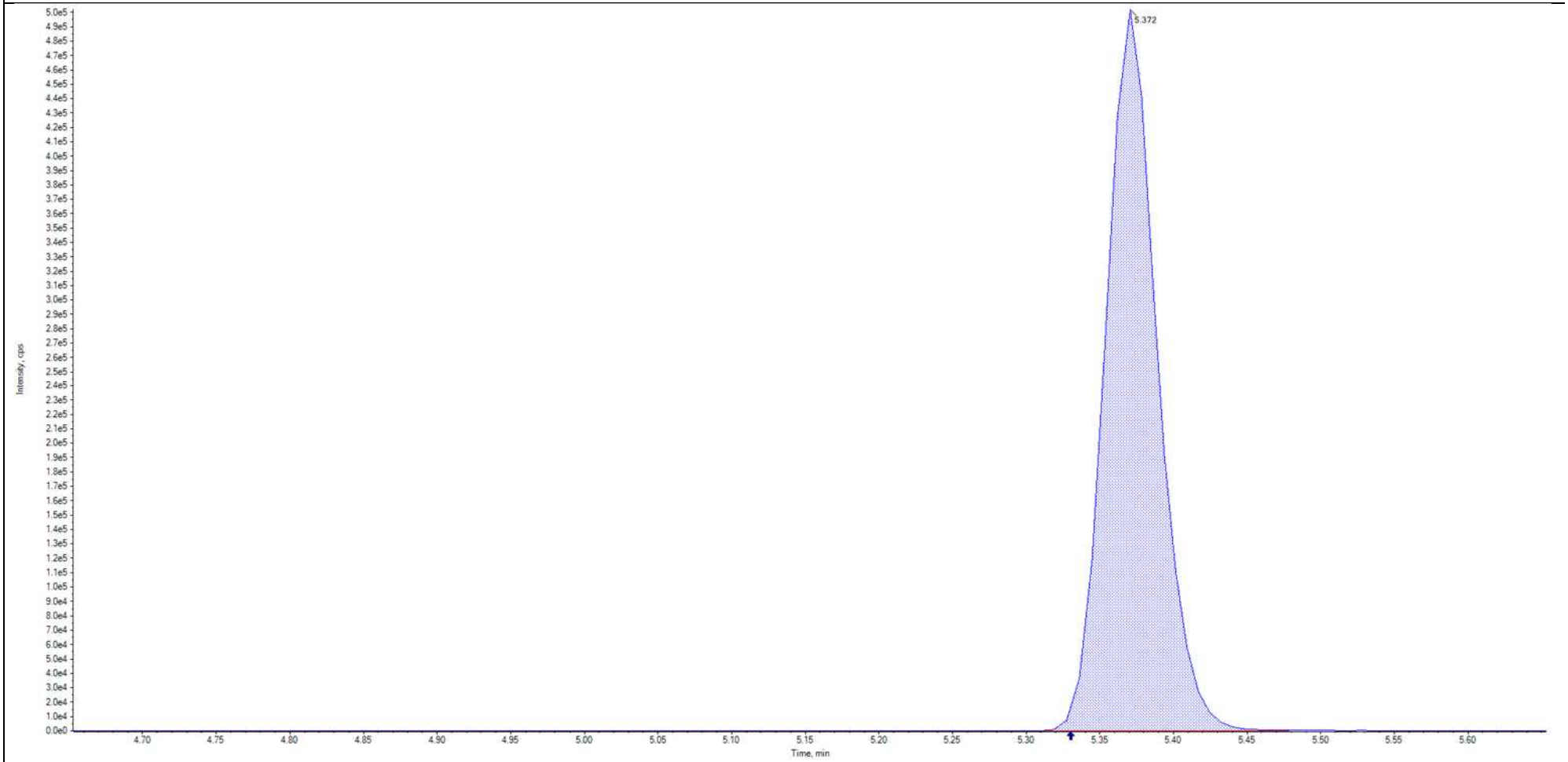
13C3-HFPO-DA
Sample: WG1972930-3,1633MED



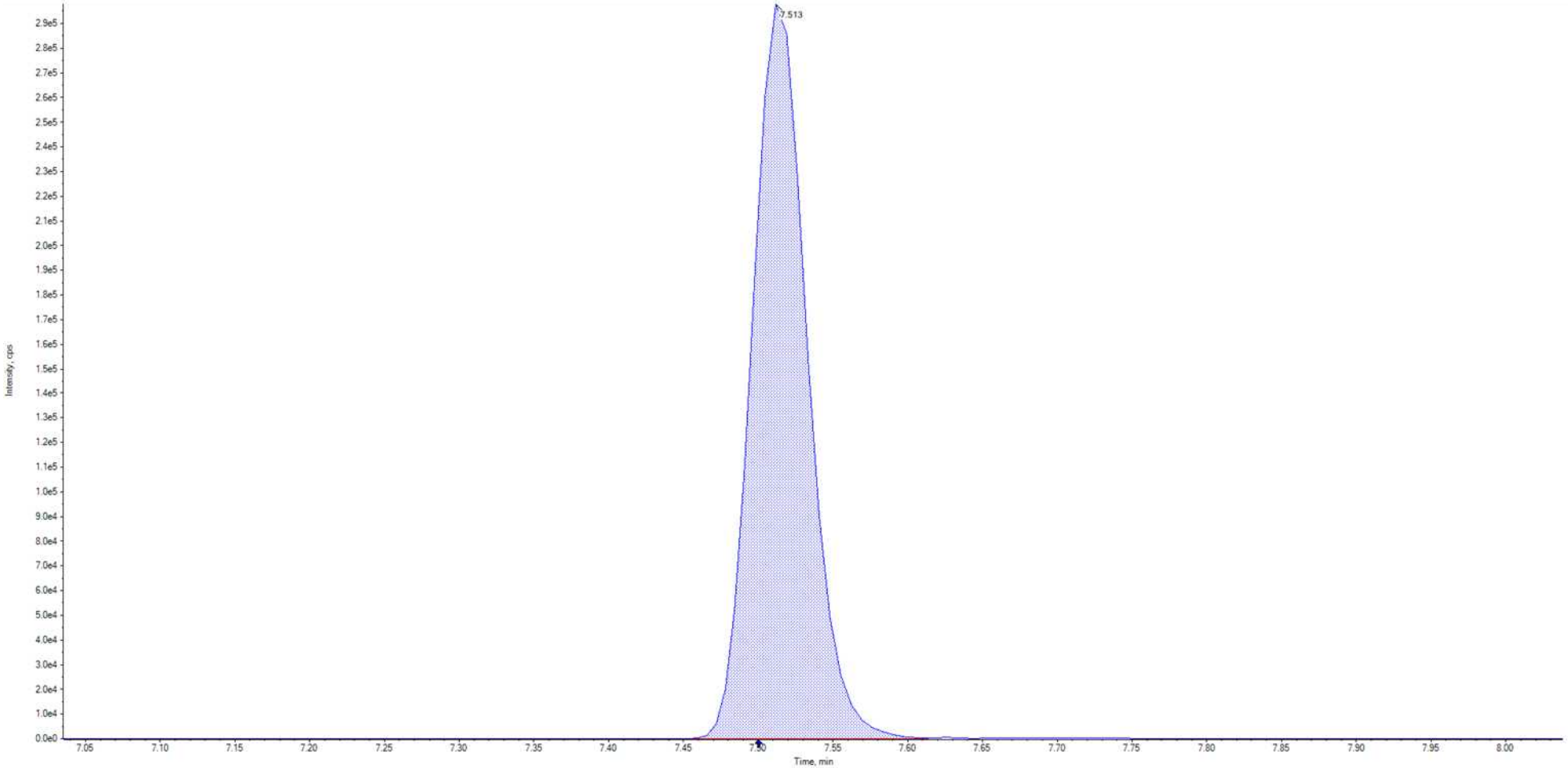
13C3-PFBA
Sample: WG1972930-3,1633MED



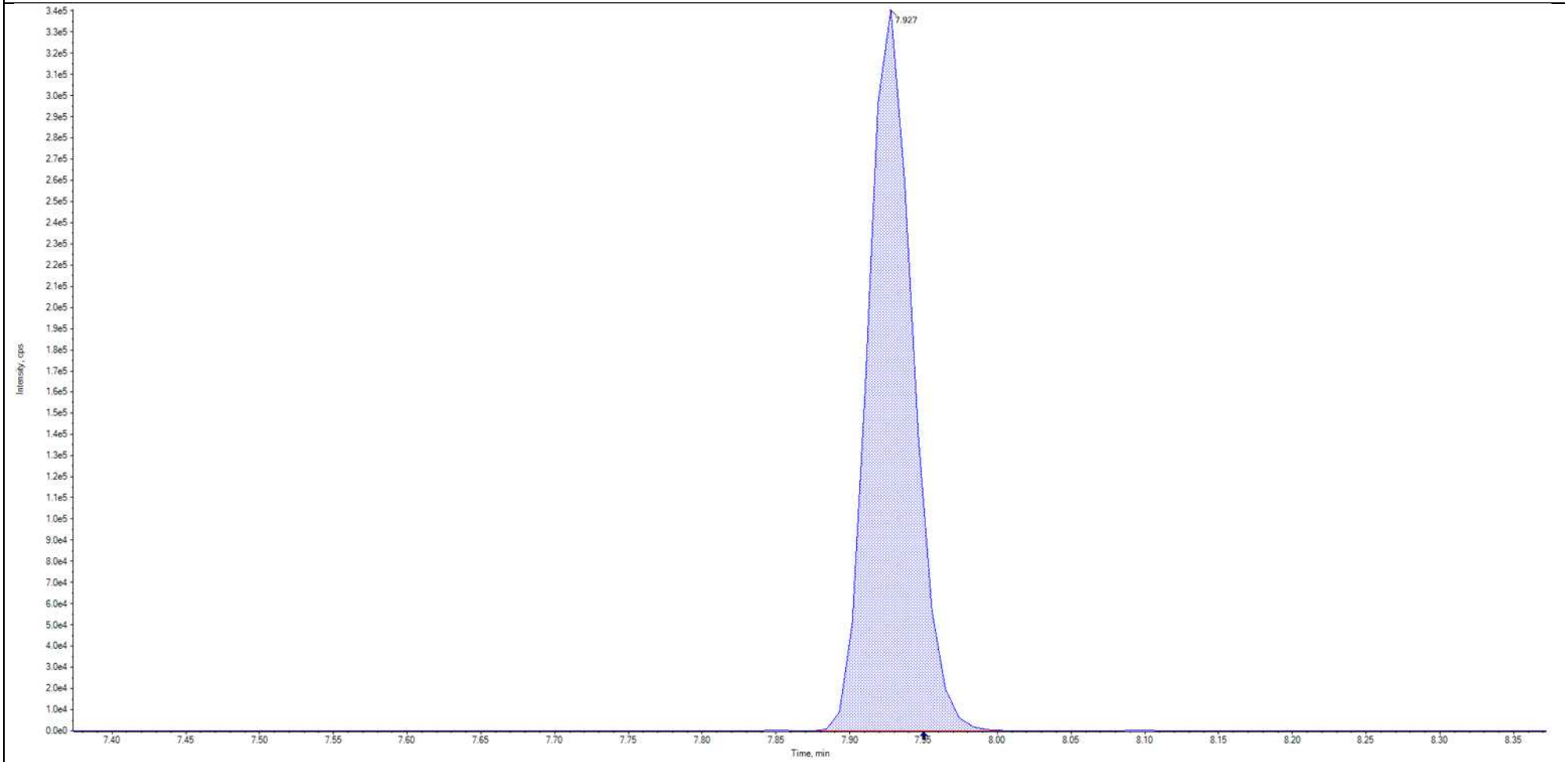
13C2-PFHxA
Sample: WG1972930-3,1633MED



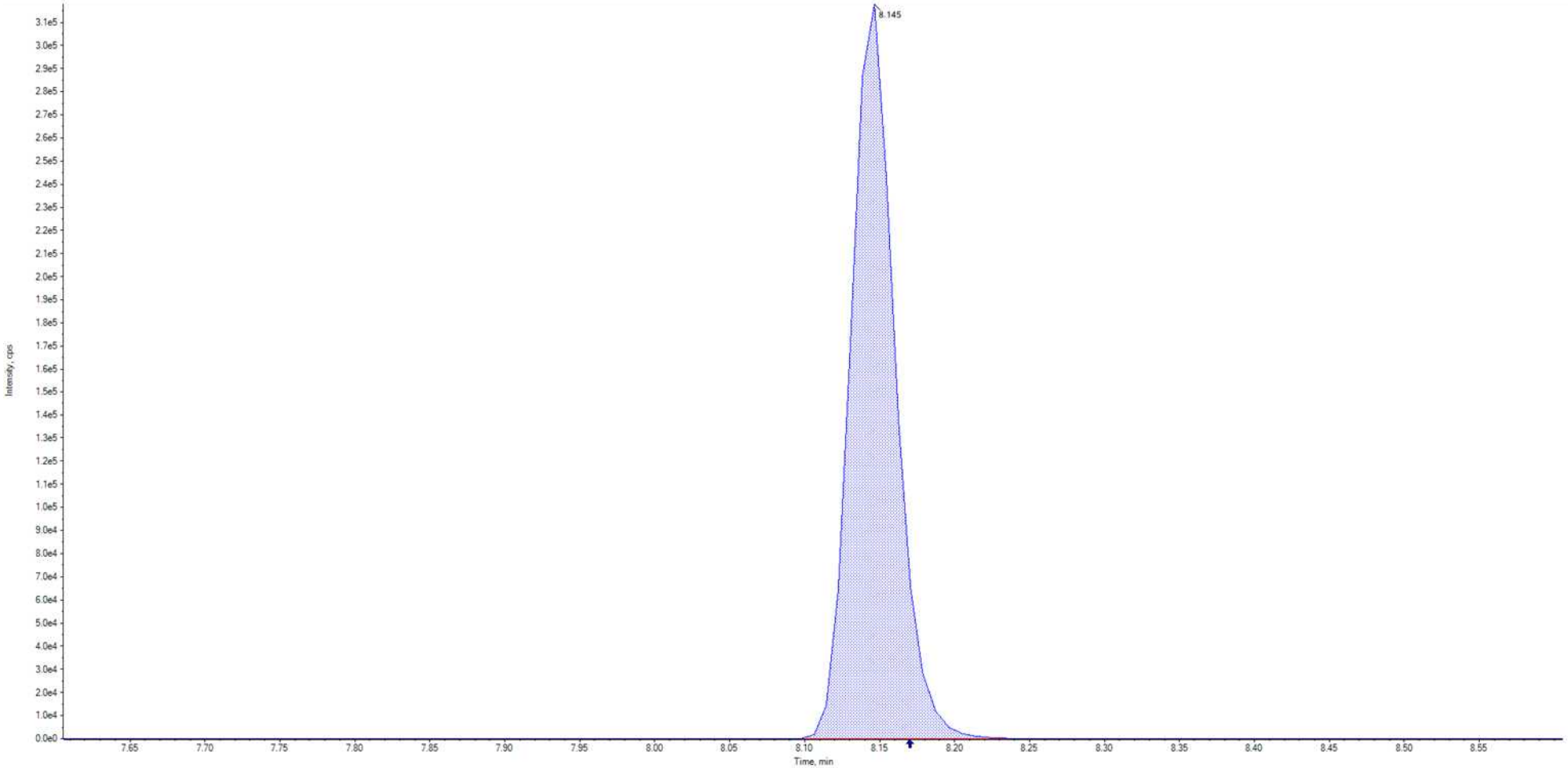
13C4-PFOA
Sample: WG1972930-3,1633MED



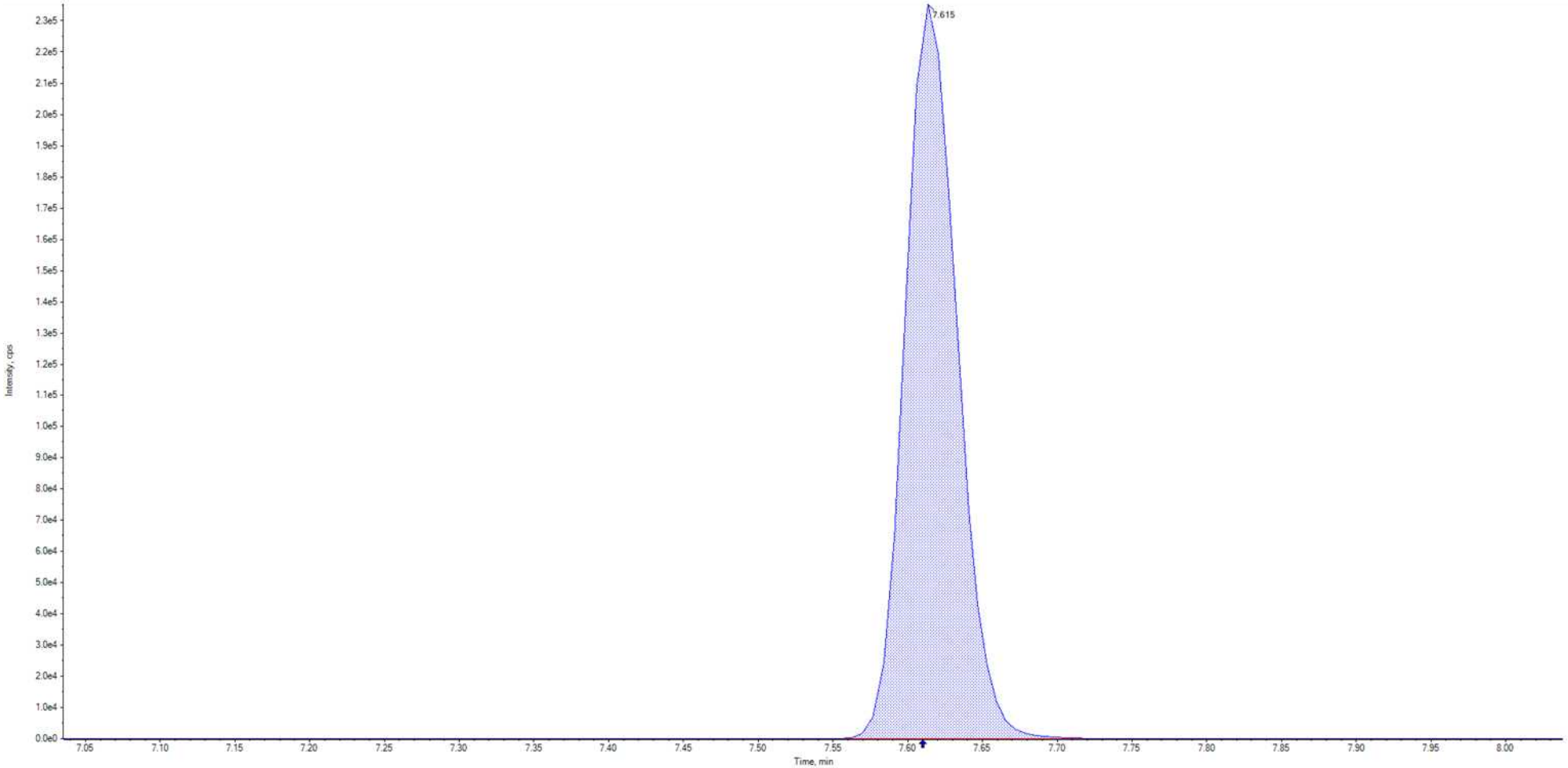
13C5-PFNA
Sample: WG1972930-3,1633MED



13C2-PFDA
Sample: WG1972930-3,1633MED



18O2-PFHxS
Sample: WG1972930-3,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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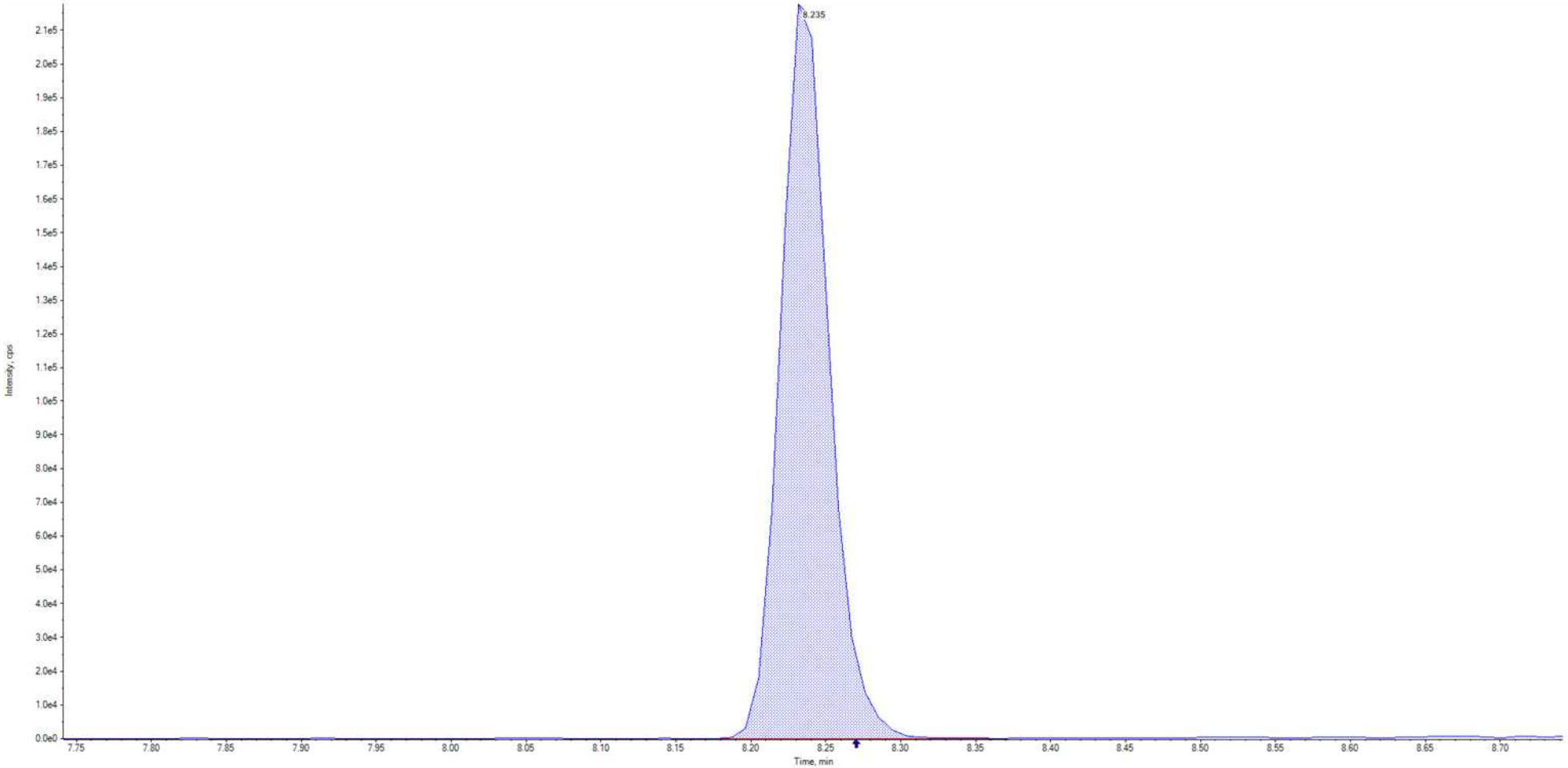
Last Altered: 9/18/2024 12:41:54 PM
Generated: 9/18/2024 6:35:36 AM

13C4-PFOS
Sample: WG1972930-3,1633MED



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_11.wiff
Last Altered: 9/18/2024 12:41:54 PM
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Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: WG1972930-8,1633MED
Name: SCI05_240918_30.wiff
Date & Time: 2024-09-18T11:41:36
Description: WG1972930,WG1970000,ICAL21391,1633MED
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.83	213.0 / 169.0	2296189		10.640	N/A	N/A	N/A	106.4
2	PFPeA	2706-90-3	4.65	263.0 / 219.0	1751209		5.584	0.007	0.007	N/A	111.7
3	PFPeA_2	2706-90-3	4.65	263.0 / 68.9	11776		5.318	0.007	0.007	N/A	106.4
4	PFHxA	307-24-4	5.35	313.0 / 269.0	1351322		2.778	0.072	0.072	N/A	111.1
5	PFHxA_2	307-24-4	5.35	313.0 / 119.0	97306		2.708	0.072	0.072	N/A	108.3
6	PFHpA	375-85-9	6.25	363.1 / 319.0	1291036		2.676	0.310	0.297	N/A	107.1
7	PFHpA_2	375-85-9	6.25	363.1 / 169.0	400442		2.713	0.310	0.297	N/A	108.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.48	413.1 / 369.1	769512	M5	2.350	0.561	0.586	N/A	94.0
9	PFOA_2	335-67-1	7.48	413.1 / 169.0	431914	M7	2.407	0.561	0.586	N/A	96.3
10	PFNA	375-95-1	7.93	462.8 / 418.9	1188526	M5	2.860	0.305	0.313	N/A	114.4
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	362369	M7	2.853	0.305	0.313	N/A	114.1
12	PFDA	335-76-2	8.15	513.1 / 469.1	1299397		2.554	0.157	0.142	N/A	102.2
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	203854		2.673	0.157	0.142	N/A	106.9
14	PFUnA	2058-94-8	8.42	563.1 / 519.1	1034534		2.808	0.186	0.194	N/A	112.3
15	PFUnA_2	2058-94-8	8.42	563.1 / 269.0	192078		2.691	0.186	0.194	N/A	107.7
16	PFDoA	307-55-1	8.83	613.1 / 569.1	1052967		2.023	0.164	0.167	N/A	80.9
17	PFDoA_2	307-55-1	8.83	613.1 / 319.0	172864		1.966	0.164	0.167	N/A	78.6
18	PFTrDA	72629-94-8	9.40	663.1 / 619.1	618136		1.993	0.225	0.228	N/A	79.7
19	PFTrDA_2	72629-94-8	9.40	663.1 / 169.0	139080		2.013	0.225	0.228	N/A	80.5
20	PFTeDA	376-06-7	9.86	713.1 / 669.1	1097616		2.739	0.133	0.137	N/A	109.6
21	PFTeDA_2	376-06-7	9.86	713.1 / 169.0	145521		2.655	0.133	0.137	N/A	106.2
22	PFBS	375-73-5	5.32	299.1 / 80.1	823705		2.335	0.395	0.396	N/A	105.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	325388		2.313	0.395	0.396	N/A	104.3
24	PFPeS	2706-91-4	6.34	349.1 / 80.1	693768		2.378	0.296	0.299	N/A	101.1
25	PFPeS_2	2706-91-4	6.33	349.1 / 99.1	205301		2.333	0.296	0.299	N/A	99.2
26	PFHxS	355-46-4	7.59	399.1 / 80.1	636639	M5	2.332	0.303	0.315	N/A	102.1
27	PFHxS_2	355-46-4	7.59	399.1 / 99.1	192607	M7	2.272	0.303	0.315	N/A	99.4
28	PFHpS	375-92-8	7.99	449.1 / 80.1	680917		2.548	0.276	0.287	N/A	106.9
29	PFHpS_2	375-92-8	7.99	449.1 / 99.1	187611		2.395	0.276	0.287	N/A	100.5
30	PFOS	1763-23-1	8.24	499.1 / 80.1	710270	M5	2.496	0.224	0.238	N/A	107.6
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	159449		2.287	0.224	0.238	N/A	98.6
32	PFNS	68259-12-1	8.57	549.1 / 80.1	479773		2.627	0.297	0.301	N/A	109.2
33	PFNS_2	68259-12-1	8.57	549.1 / 99.1	142695		2.579	0.297	0.301	N/A	107.3
34	PFDS	335-77-3	9.06	599.1 / 80.1	435222		2.419	0.280	0.275	N/A	100.2
35	PFDS_2	335-77-3	9.06	599.1 / 99.1	121988		2.459	0.280	0.275	N/A	101.9
36	PFDoS	79780-39-5	9.96	699.2 / 80.1	434526		2.637	0.268	0.274	N/A	108.7
37	PFDoS_2	79780-39-5	9.96	699.2 / 99.1	116578		2.574	0.268	0.274	N/A	106.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	5.15	327.1 / 307.1	1037993		9.006	0.564	0.516	N/A	96.1
39	4:2FTS_2	757124-72-4	5.15	327.1 / 81.1	585211		9.491	0.564	0.516	N/A	101.2
40	6:2FTS	27619-97-2	7.09	427.2 / 407.2	691242		10.429	0.567	0.565	N/A	109.8
41	6:2FTS_2	27619-97-2	7.09	427.2 / 81.1	392163		10.939	0.567	0.565	N/A	115.2
42	8:2FTS	39108-34-4	8.05	527.2 / 507.2	915467		11.324	0.670	0.662	N/A	118.0
43	8:2FTS_2	39108-34-4	8.05	527.2 / 81.1	613244		11.183	0.670	0.662	N/A	116.5
44	PFOSA	754-91-6	9.52	498.1 / 78.1	698018	M5	2.598	0.024	0.025	N/A	103.9
45	PFOSA_2	754-91-6	9.52	498.1 / 478.0	16808	M7	2.384	0.024	0.025	N/A	95.4
46	NMeFOSA	31506-32-8	10.16	512.2 / 219.0	195315	M5	2.725	1.456	1.551	N/A	109.0
47	NMeFOSA_2	31506-32-8	10.12	512.2 / 169.0	284381	M7	2.560	1.456	1.551	N/A	102.4
48	NEtFOSA	4151-50-2	10.37	526.2 / 219.0	195671	M5	2.723	1.295	1.285	N/A	108.9
49	NEtFOSA_2	4151-50-2	10.33	526.2 / 169.0	253412	M7	2.634	1.295	1.285	N/A	105.4
50	NMeFOSAA	2355-31-9	8.20	570.2 / 419.1	162406	M4	3.180	0.780	0.700	N/A	127.2
51	NMeFOSAA_2	2355-31-9	8.20	570.2 / 483.0	126626	M7	3.898	0.780	0.700	N/A	155.9
52	NEtFOSAA	2991-50-6	8.33	584.2 / 419.1	184348	M4	2.621	0.464	0.487	N/A	104.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.33	584.2 / 526.2	85467		2.641	0.464	0.487	N/A	105.6
54	NMeFOSE	24448-09-7	10.07	616.1 / 58.9	3582429	M5	25.990	N/A	N/A	N/A	104.0
55	NEtFOSE	1691-99-2	10.27	630.0 / 58.9	6256594	M5	25.347	N/A	N/A	N/A	101.4
56	HFPO-DA	13252-13-6	5.61	285.0 / 169.0	2769816		10.829	0.483	0.464	N/A	108.3
57	HFPO-DA_2	13252-13-6	5.61	285.0 / 184.9	1337350		11.244	0.483	0.464	N/A	112.4
58	ADONA	919005-14-4	6.72	377.1 / 251.0	6013787		10.338	0.657	0.634	N/A	109.4
59	ADONA_2	919005-14-4	6.72	377.1 / 84.8	3950625		10.496	0.657	0.634	N/A	111.1
60	9Cl-PF3ONS	756426-58-1	8.45	530.8 / 351.1	6371196		11.108	0.327	0.322	N/A	118.8
61	9Cl-PF3ONS_2	756426-58-1	8.45	532.8 / 353.0	2080476		11.138	0.327	0.322	N/A	119.1
62	11Cl-PF3OUdS	763051-92-9	9.48	630.9 / 451.0	3787698		10.454	0.340	0.331	N/A	110.6
63	11Cl-PF3OUdS_2	763051-92-9	9.47	632.9 / 452.9	1287876		10.562	0.340	0.331	N/A	111.8
64	3:3FTCA	356-02-5	4.93	241.1 / 177.1	382685		14.068	0.872	1.074	N/A	112.6
65	3:3FTCA_2	356-02-5	4.93	241.1 / 117.0	333732		12.250	0.872	1.074	N/A	98.0
66	5:3FTCA	914637-49-3	7.18	341.1 / 237.1	6012573		68.143	0.956	0.953	N/A	109.0
67	5:3FTCA_2	914637-49-3	7.18	341.1 / 217.0	5745824		68.820	0.956	0.953	N/A	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	8.19	441.1 / 316.9	4614760		46.980	1.705	1.558	N/A	75.2
69	7:3FTCA_2	812-70-4	8.19	441.1 / 337.1	7869944		55.212	1.705	1.558	N/A	88.3
70	PFEESA	113507-82-7	5.71	315.1 / 135.0	4237325		5.021	0.085	0.087	N/A	112.8
71	PFEESA_2	113507-82-7	5.71	315.1 / 82.9	361342		4.957	0.085	0.087	N/A	111.4
72	PFMPA	377-73-1	3.87	229.0 / 85.0	224767		5.921	N/A	N/A	N/A	118.4
73	PFMBA	863090-89-5	4.88	279.0 / 85.0	2595664		5.072	N/A	N/A	N/A	101.4
74	NFDHA	151772-58-6	5.26	295.0 / 201.0	496929		5.594	0.891	0.910	N/A	111.9
75	NFDHA_2	151772-58-6	5.26	295.0 / 84.9	442650		5.435	0.891	0.910	N/A	108.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	5.14	333.2 / 312.1	391413		2.091	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	7.48	415.0 / 370.0	1466902		1.152	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	2.82	217.0 / 172.0	2661214		10.308	NA	NA	NA	103.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.64	268.0 / 223.0	1700670		5.633	NA	NA	NA	112.7
	13C5-PFHxA	EIS	5.34	318.0 / 273.0	997966		2.516	NA	NA	NA	100.7
	13C4-PFHpA	EIS	6.25	367.0 / 322.0	1029803		2.594	NA	NA	NA	103.7
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1573646		2.736	NA	NA	NA	109.4
	13C9-PFNA	EIS	7.92	472.0 / 427.0	709653		1.282	NA	NA	NA	102.6
	13C6-PFDA	EIS	8.14	519.0 / 474.0	738081		1.354	NA	NA	NA	108.3
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	582815		1.321	NA	NA	NA	105.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	500376		1.744	NA	NA	NA	139.5
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	399785		1.283	NA	NA	NA	102.7
	13C3-PFBS	EIS	5.31	302.1 / 80.1	840928		2.412	NA	NA	NA	103.5
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	683880		2.469	NA	NA	NA	104.2
	13C8-PFOS	EIS	8.23	507.1 / 80.1	692657		2.392	NA	NA	NA	99.9
	13C2-4:2FTS	EIS	5.14	329.1 / 81.1	275828		4.432	NA	NA	NA	94.5
	13C2-6:2FTS	EIS	7.08	429.2 / 81.1	192115		4.212	NA	NA	NA	88.6
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	306167		4.587	NA	NA	NA	95.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.52	506.1 / 78.1	1005022		2.611	NA	NA	NA	104.4
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	167341		2.583	NA	NA	NA	103.3
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	163587		2.584	NA	NA	NA	103.4
	d3-NMeFOSAA	EIS	8.19	573.2 / 419.1	388110		2.649	NA	NA	NA	53.0
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	377202		4.900	NA	NA	NA	98.0
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1396829		27.914	NA	NA	NA	111.7
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	2102759		28.502	NA	NA	NA	114.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.60	287.0 / 169.0	2790298		10.616	NA	NA	NA	106.2
	13C3-PFBA	NIS	2.82	216.0 / 172.0	1129369		5.282	NA	NA	NA	105.6
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1177543		2.405	NA	NA	NA	96.2
	13C4-PFOA	NIS	7.47	417.0 / 372.0	752541		2.404	NA	NA	NA	96.2
	13C5-PFNA	NIS	7.92	468.0 / 423.0	674284		1.231	NA	NA	NA	98.5
	13C2-PFDA	NIS	8.14	515.1 / 470.1	640484		1.250	NA	NA	NA	100.0
	18O2-PFHxS	NIS	7.58	403.1 / 84.1	562981		2.403	NA	NA	NA	101.4
	13C4-PFOS	NIS	8.23	503.1 / 80.1	512162		2.433	NA	NA	NA	101.6

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
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Generated: 9/18/2024 6:35:36 AM

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

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFBA
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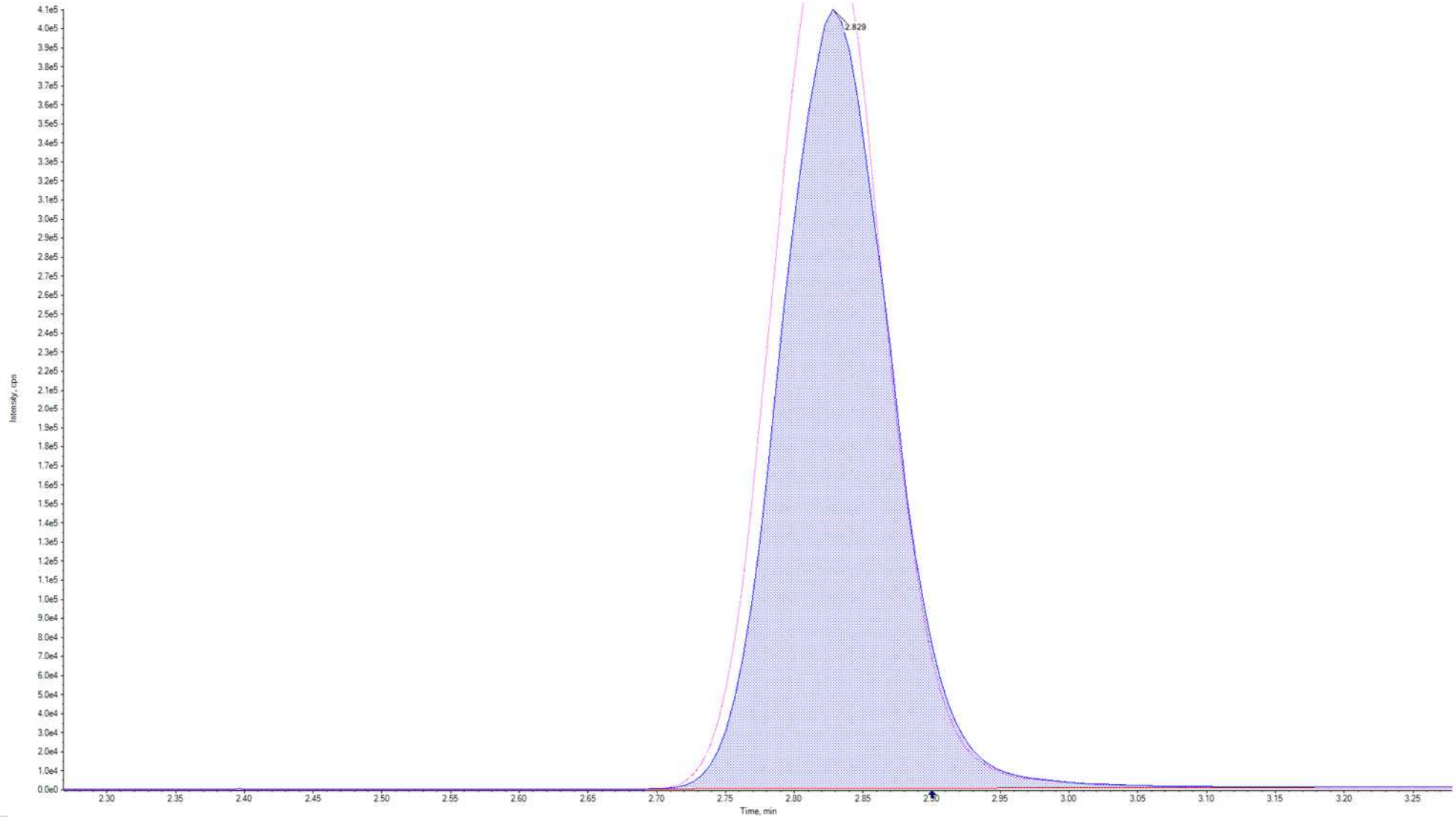

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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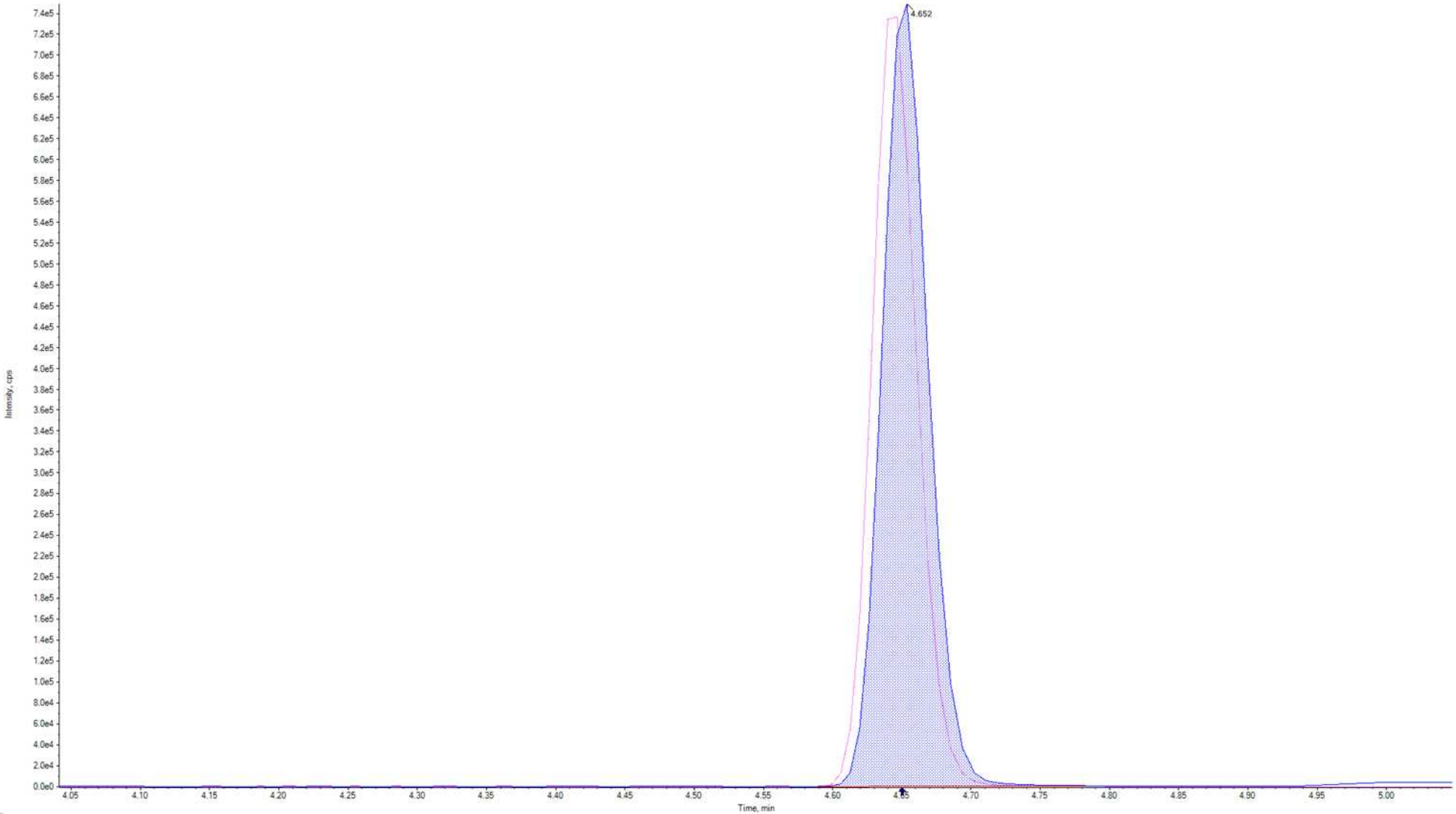
PFPeA
Sample: WG1972930-8,1633MED S/N:3519.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFPeA_2
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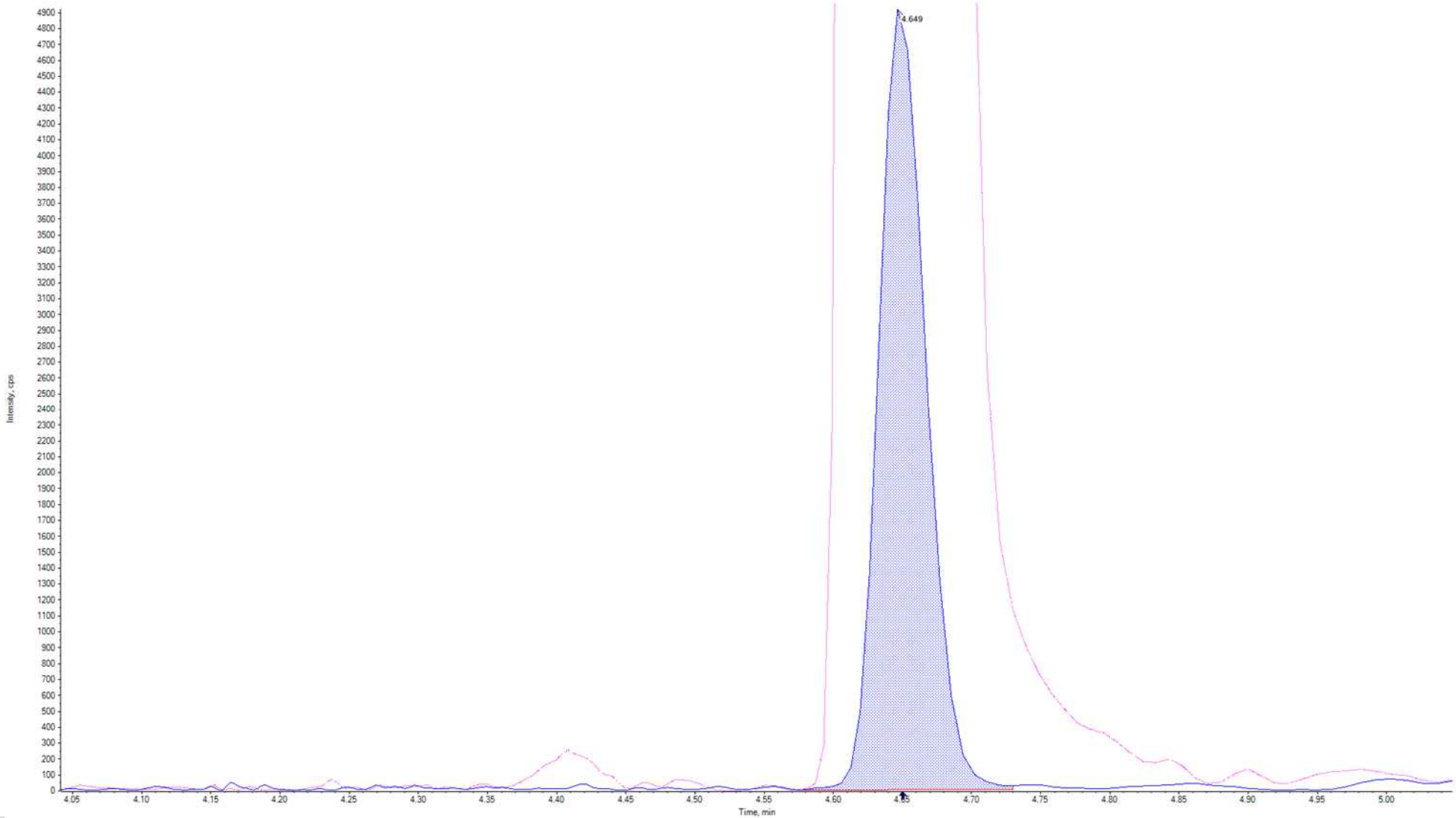

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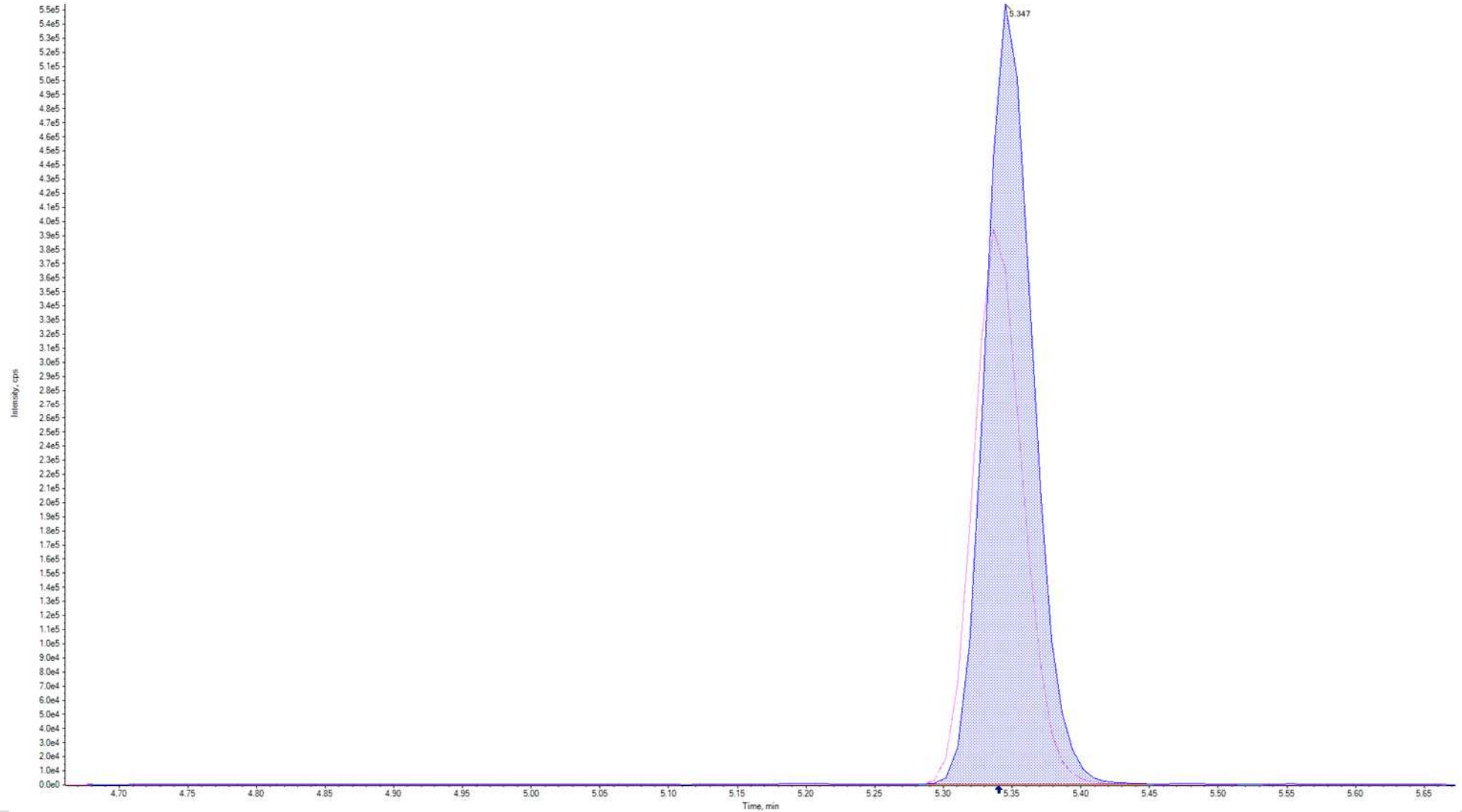
PFHxA
Sample: WG1972930-8,1633MED S/N:1926.4 Points Across peak:24



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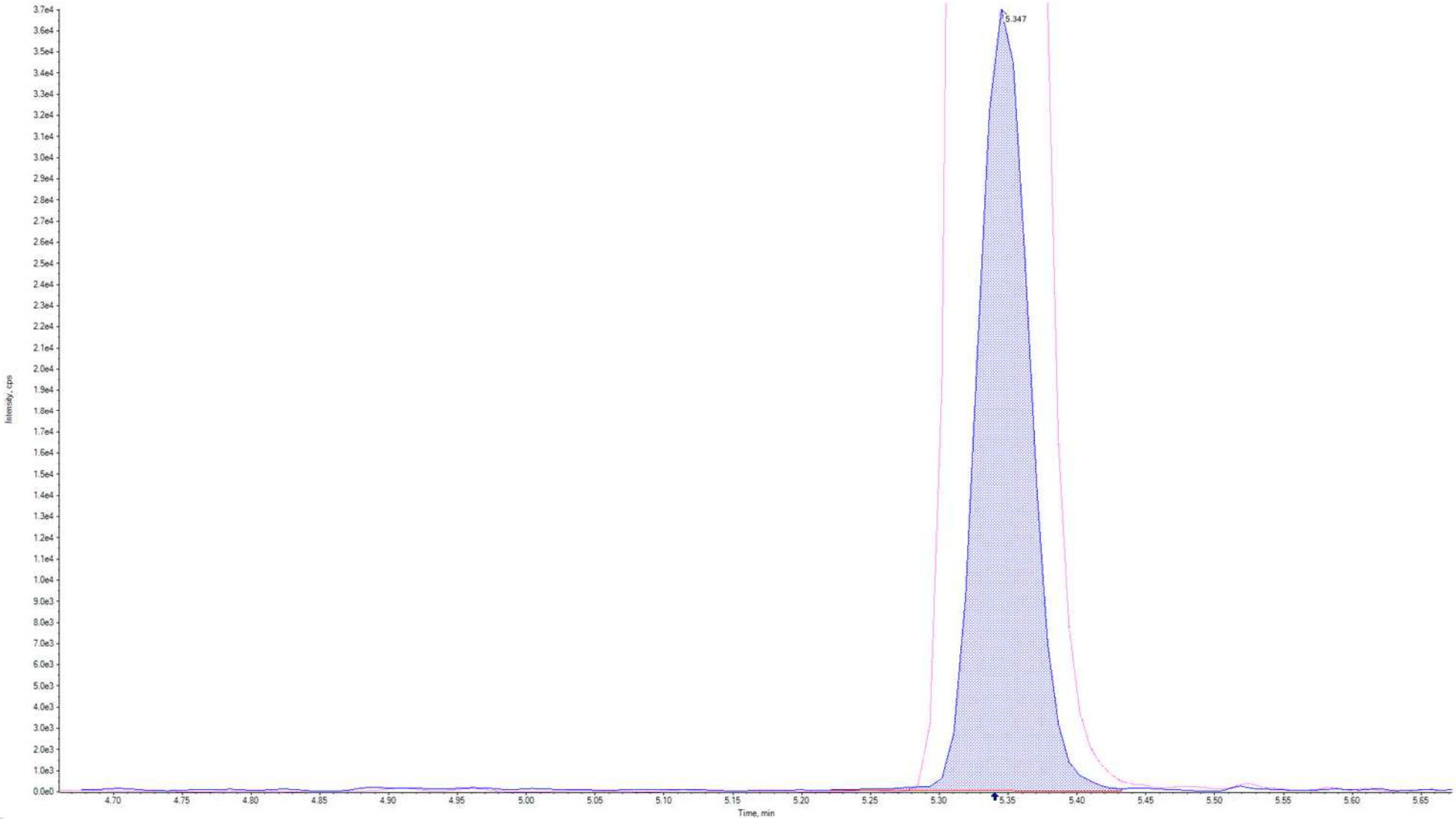
PFHxA_2
Sample: WG1972930-8,1633MED S/N:1461.6 Points Across peak:27



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PFHpA
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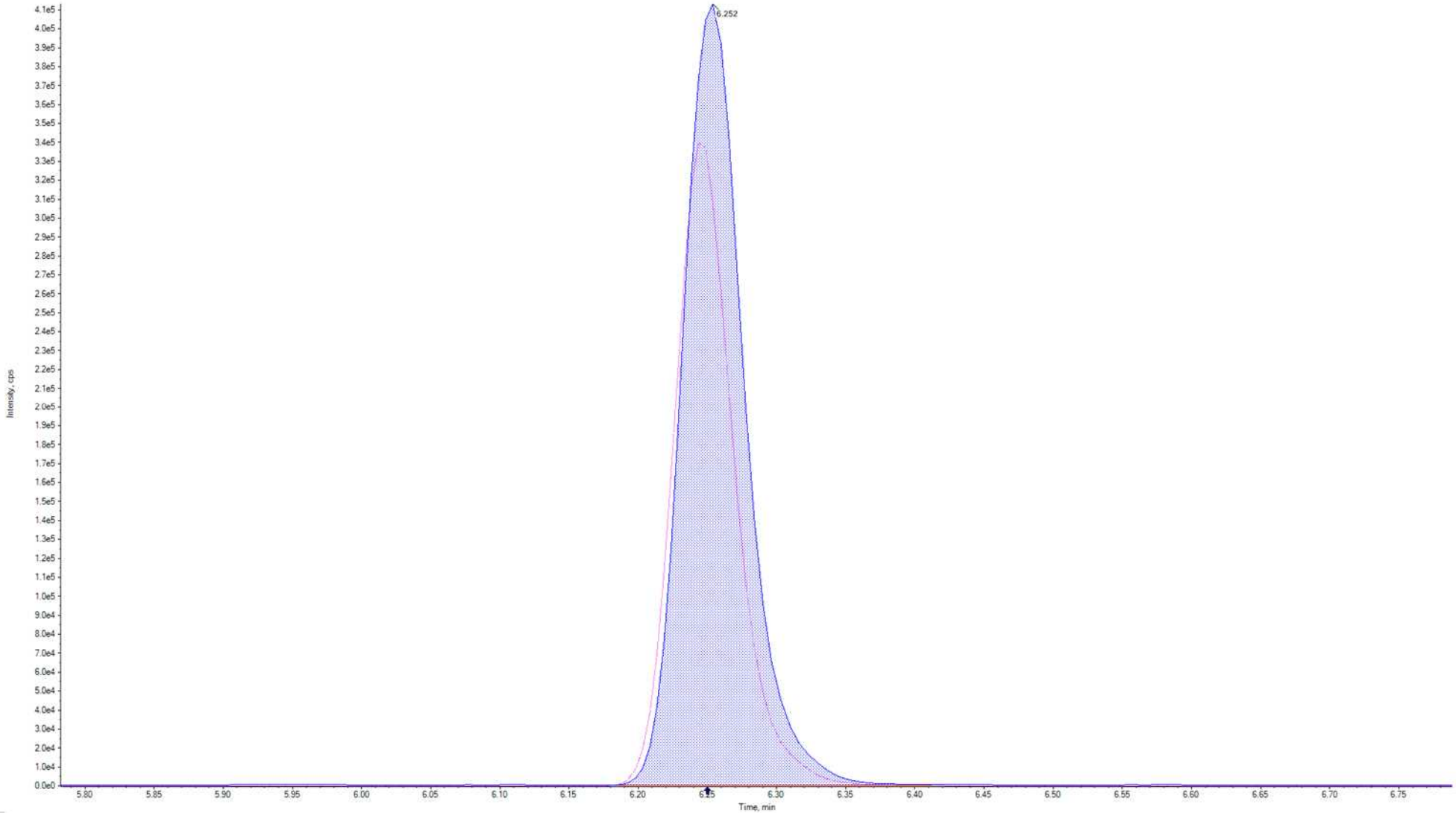

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PFHpA_2
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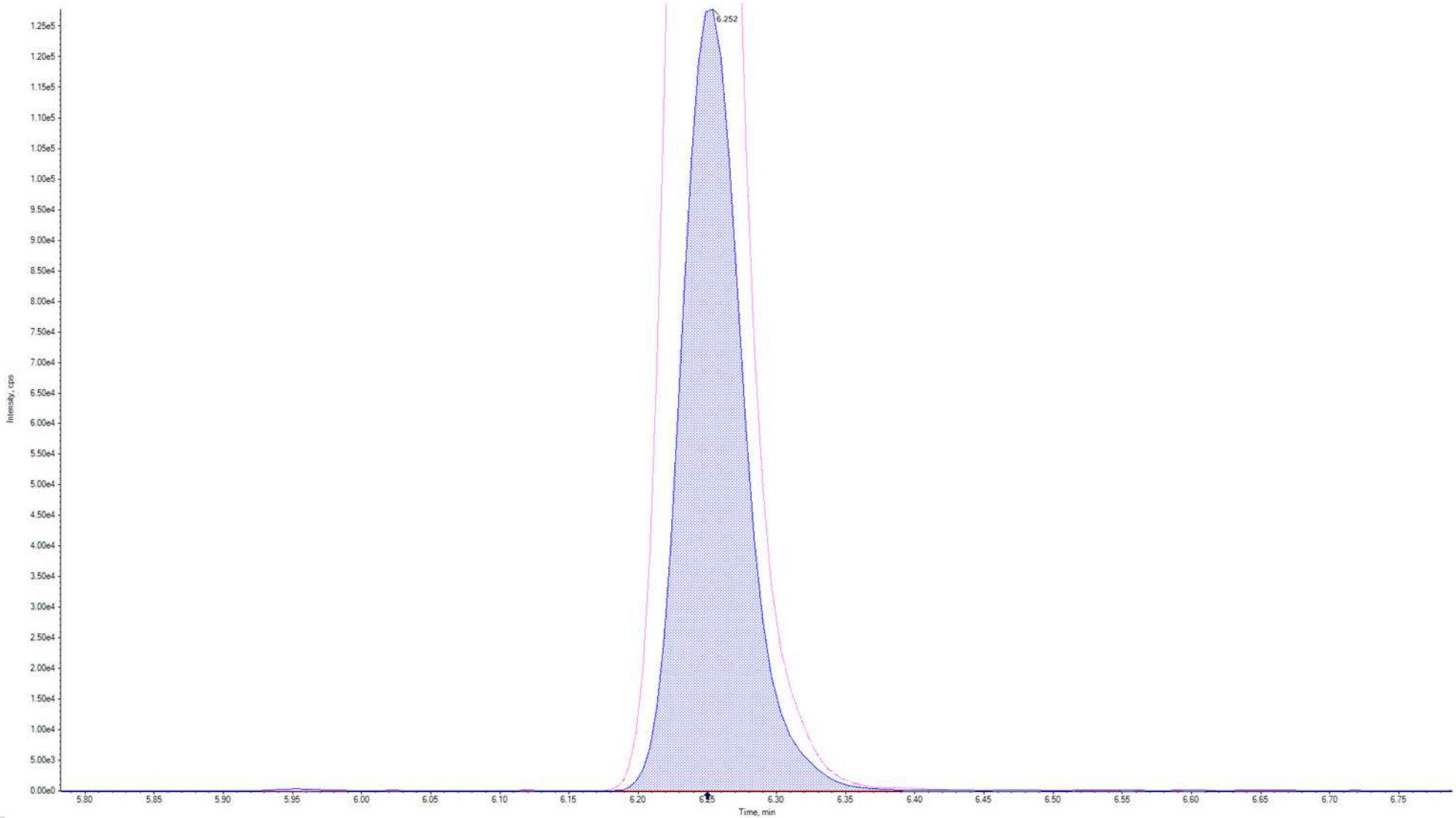

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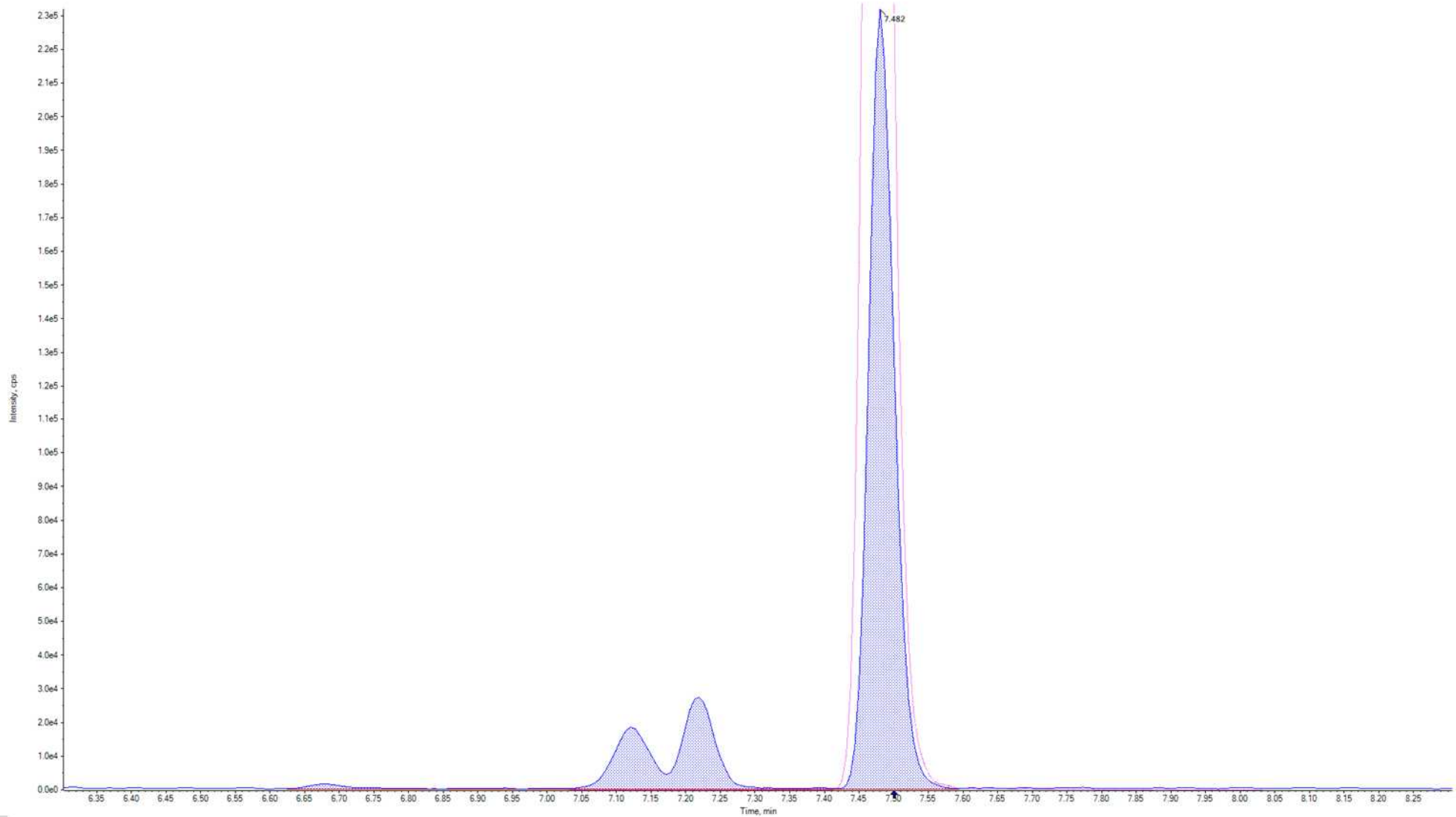
PFOA
Sample: WG1972930-8,1633MED S/N:1661.9 Points Across peak:149



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFOA_2
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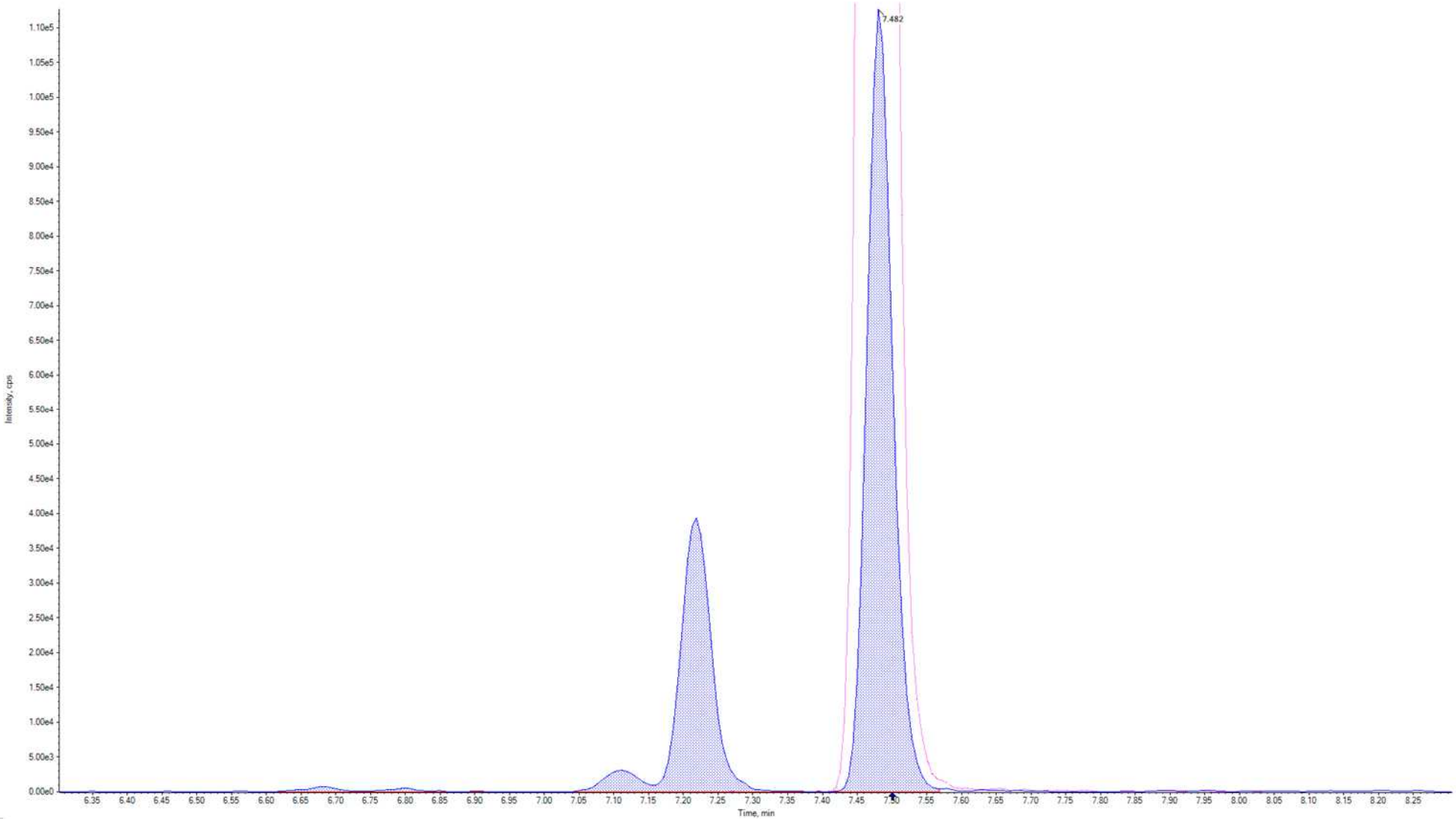

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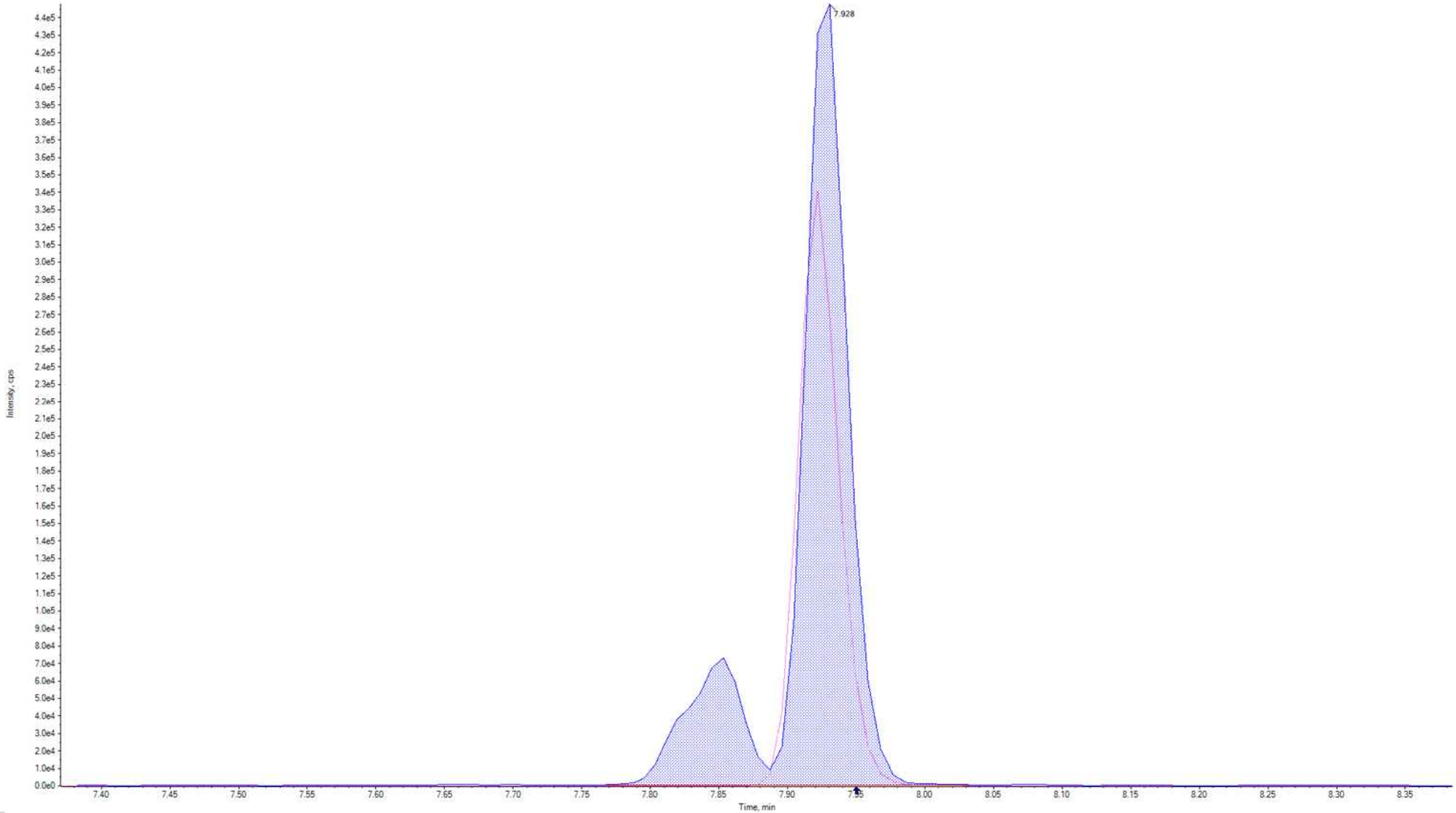
PFNA
Sample: WG1972930-8,1633MED S/N:2008.8 Points Across peak:37



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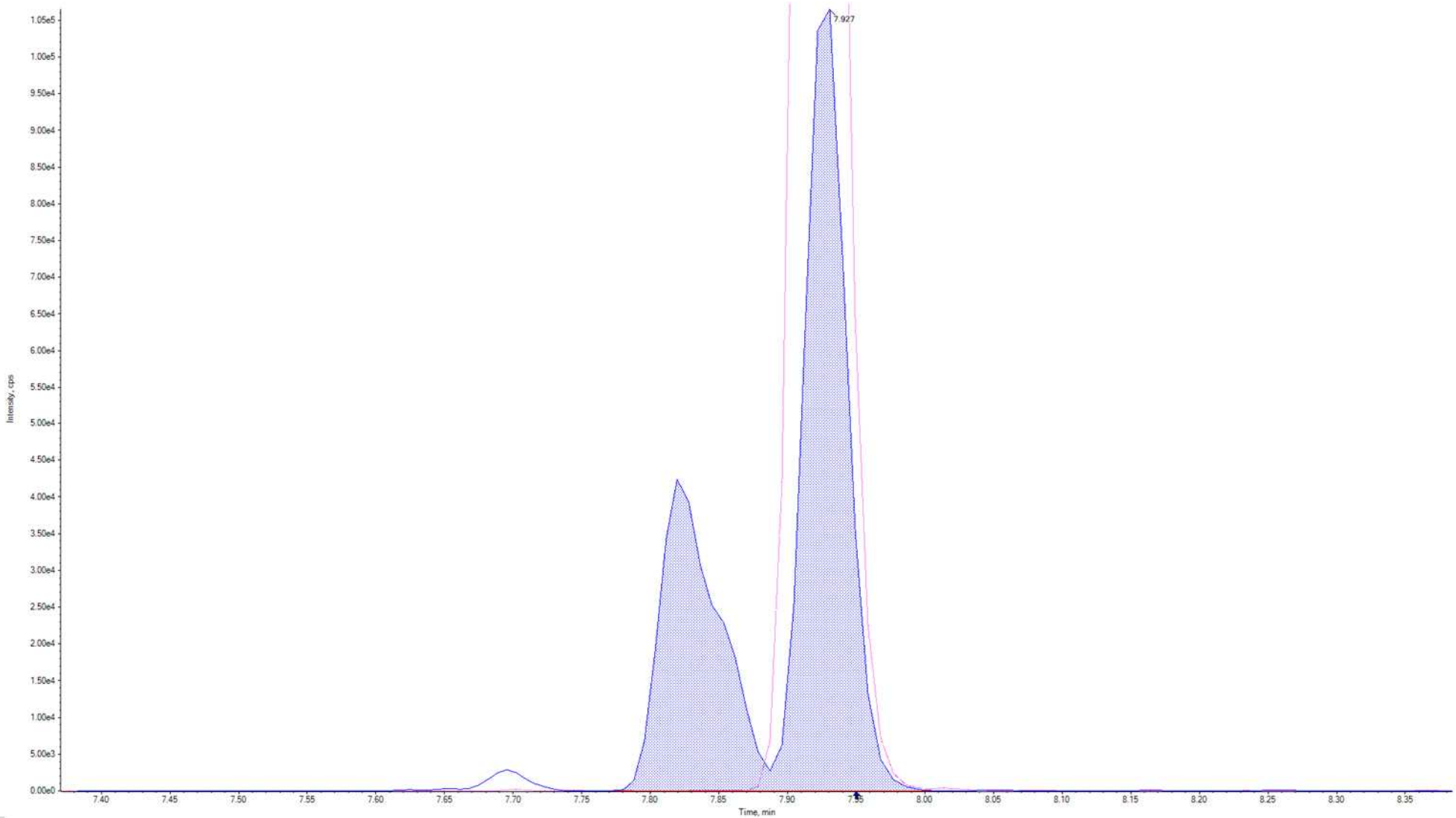
PFNA_2
Sample: WG1972930-8,1633MED S/N:1216.7 Points Across peak:30



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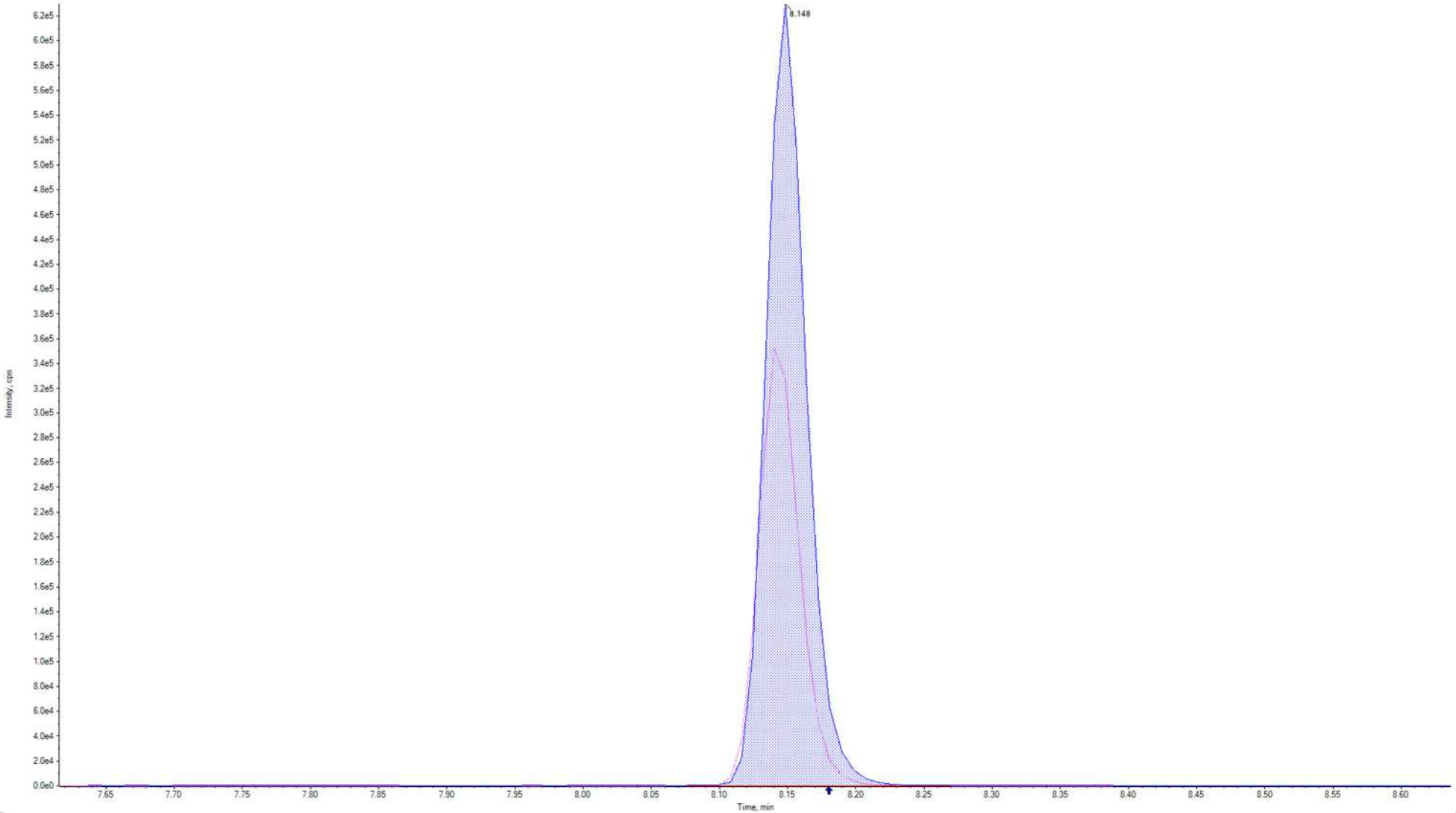
PFDA
Sample: WG1972930-8,1633MED S/N:4581.7 Points Across peak:25



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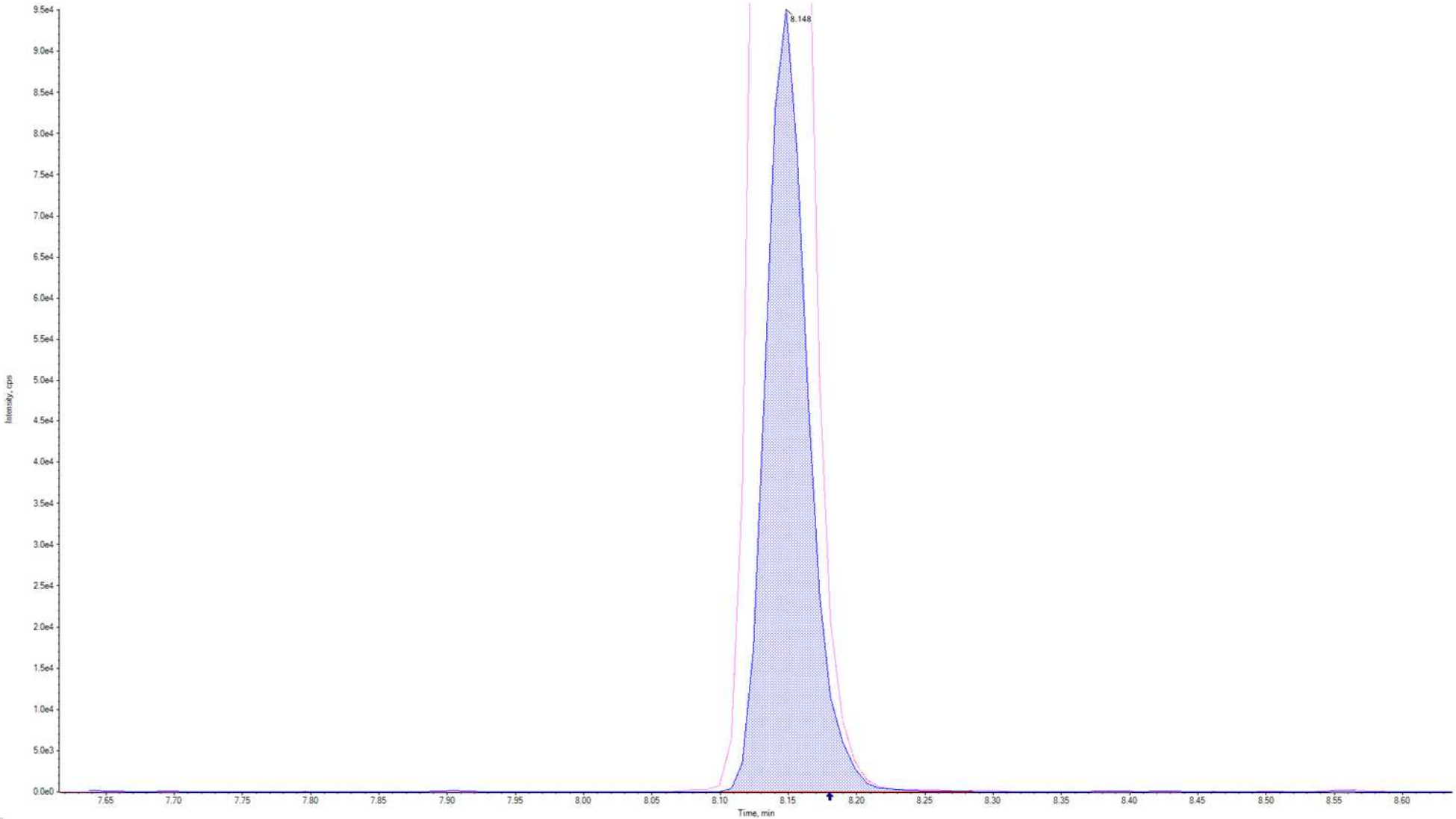
PFDA_2
Sample: WG1972930-8,1633MED S/N:1778.9 Points Across peak:33



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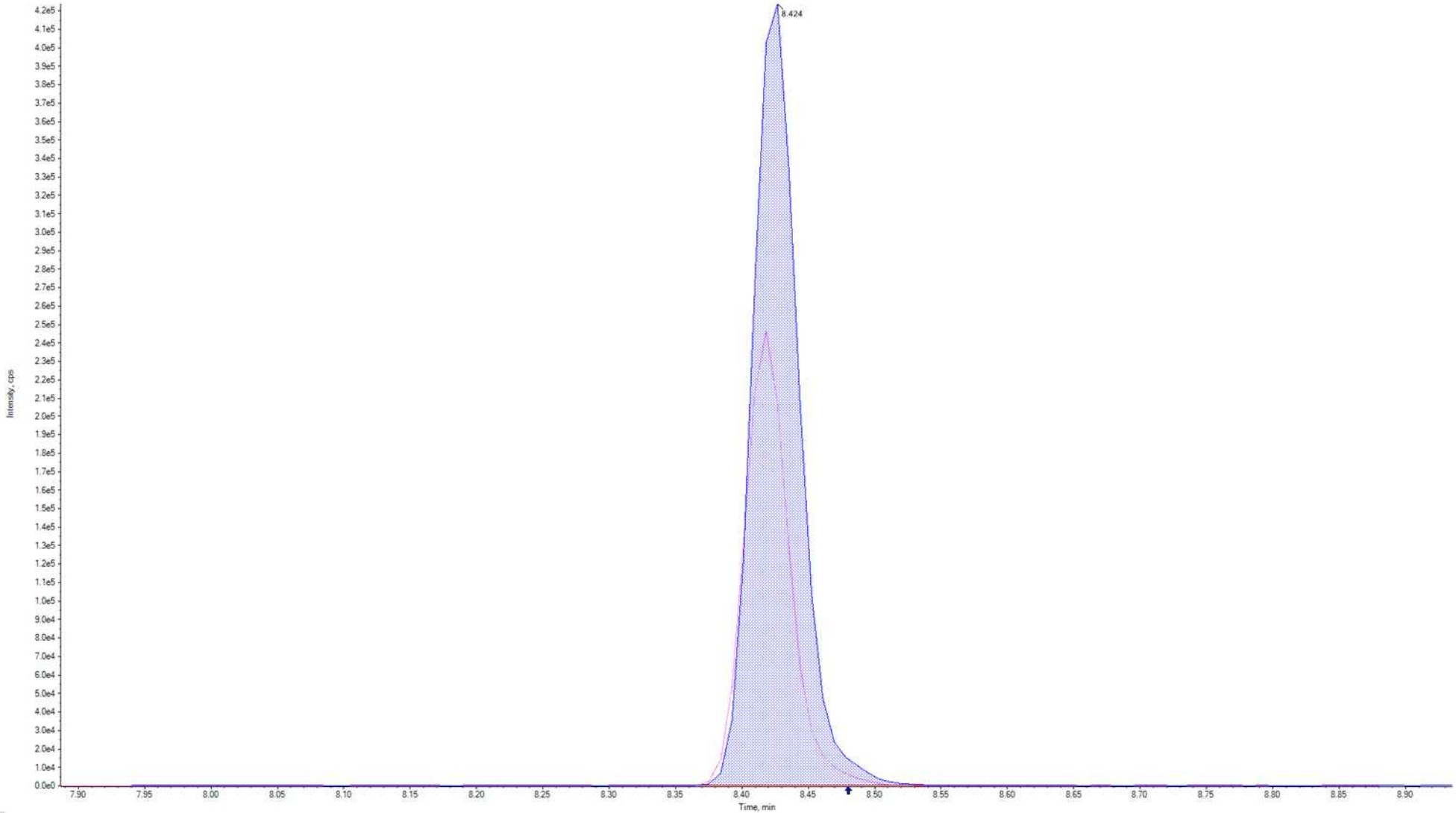
PFUnA
Sample: WG1972930-8,1633MED S/N:2327.2 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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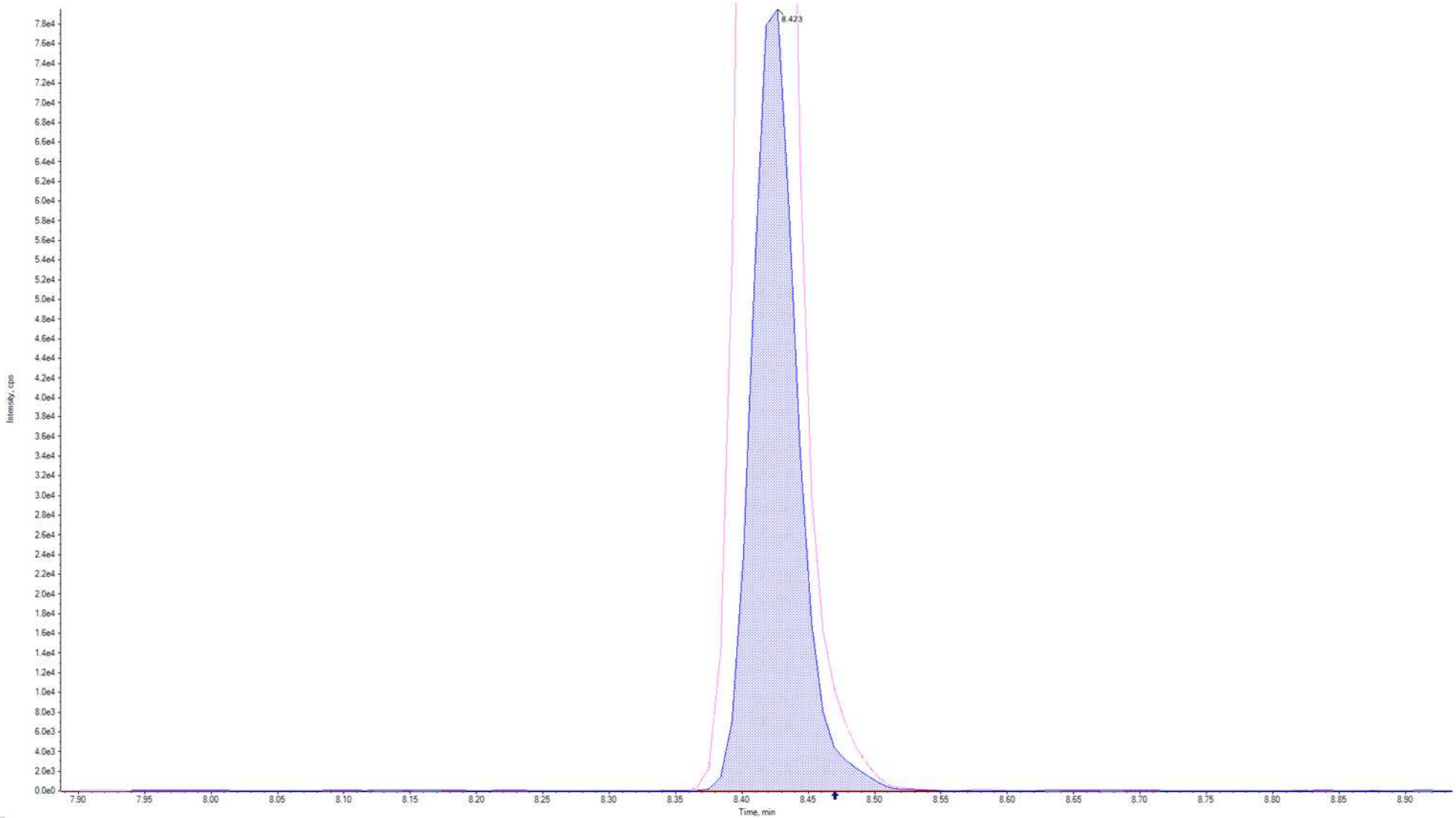
PFUnA_2
Sample: WG1972930-8,1633MED S/N:10502049.8 Points Across peak:26



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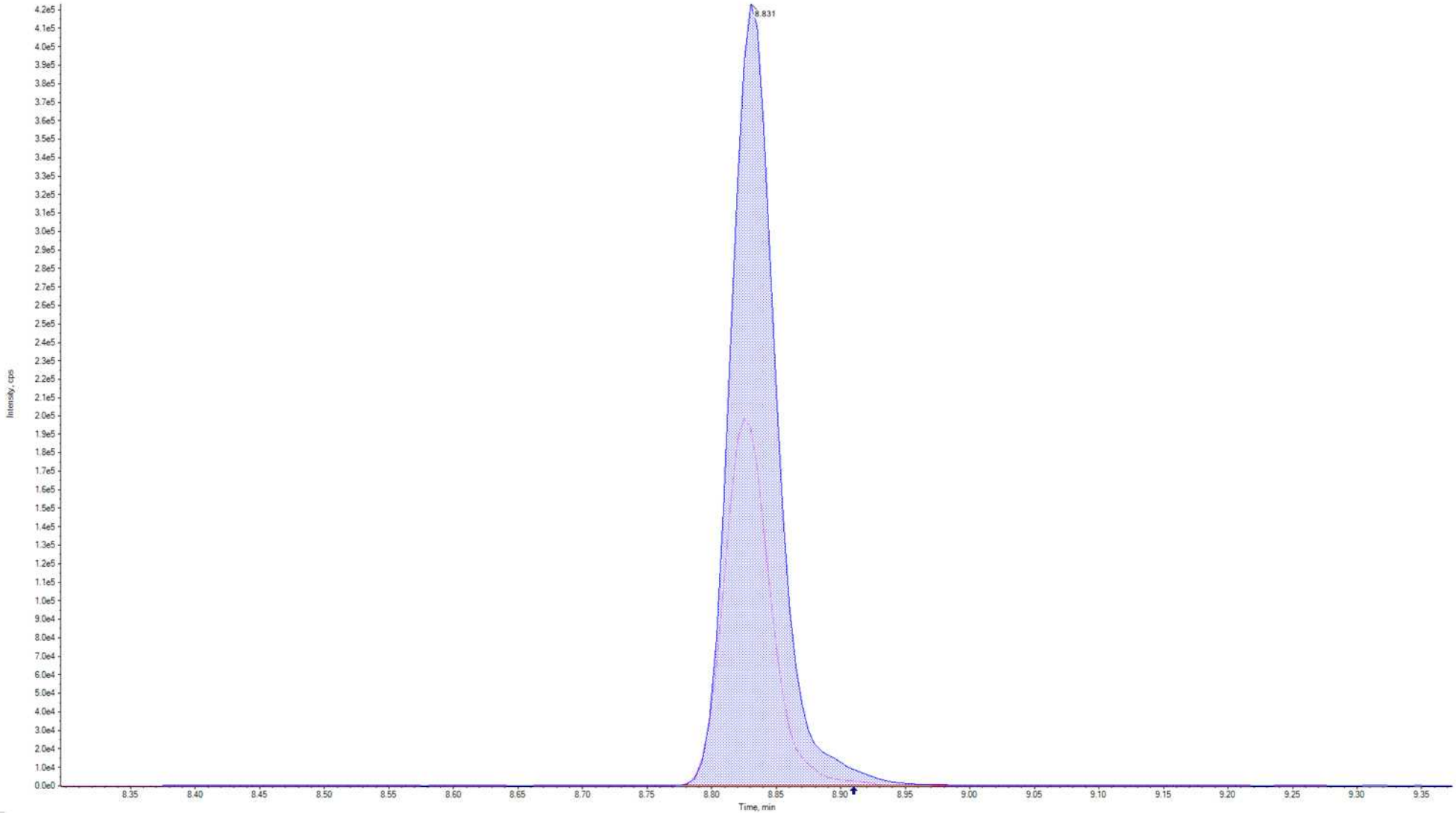
PFDoA
Sample: WG1972930-8,1633MED S/N:3563.4 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDoA_2
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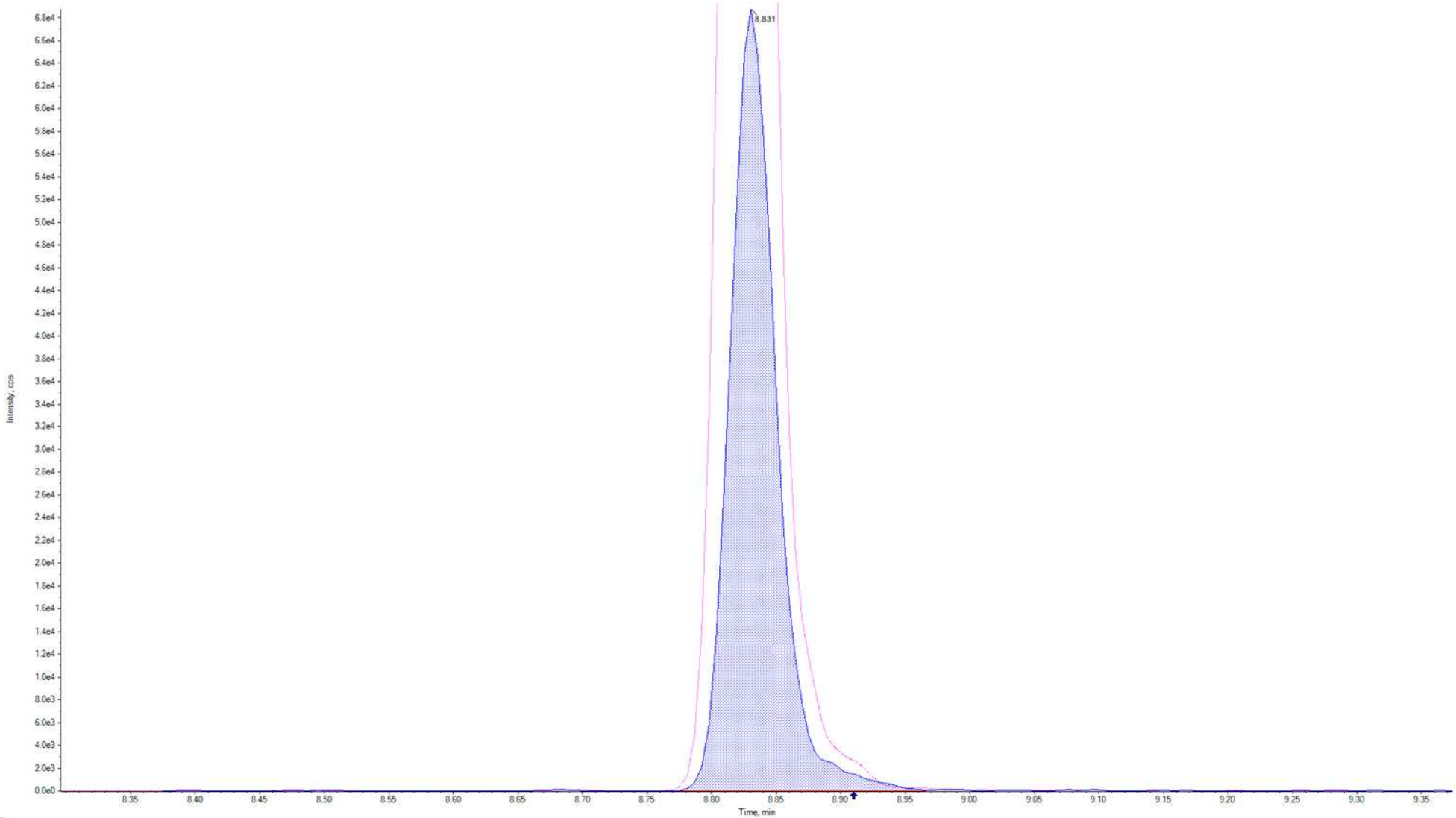

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTrDA
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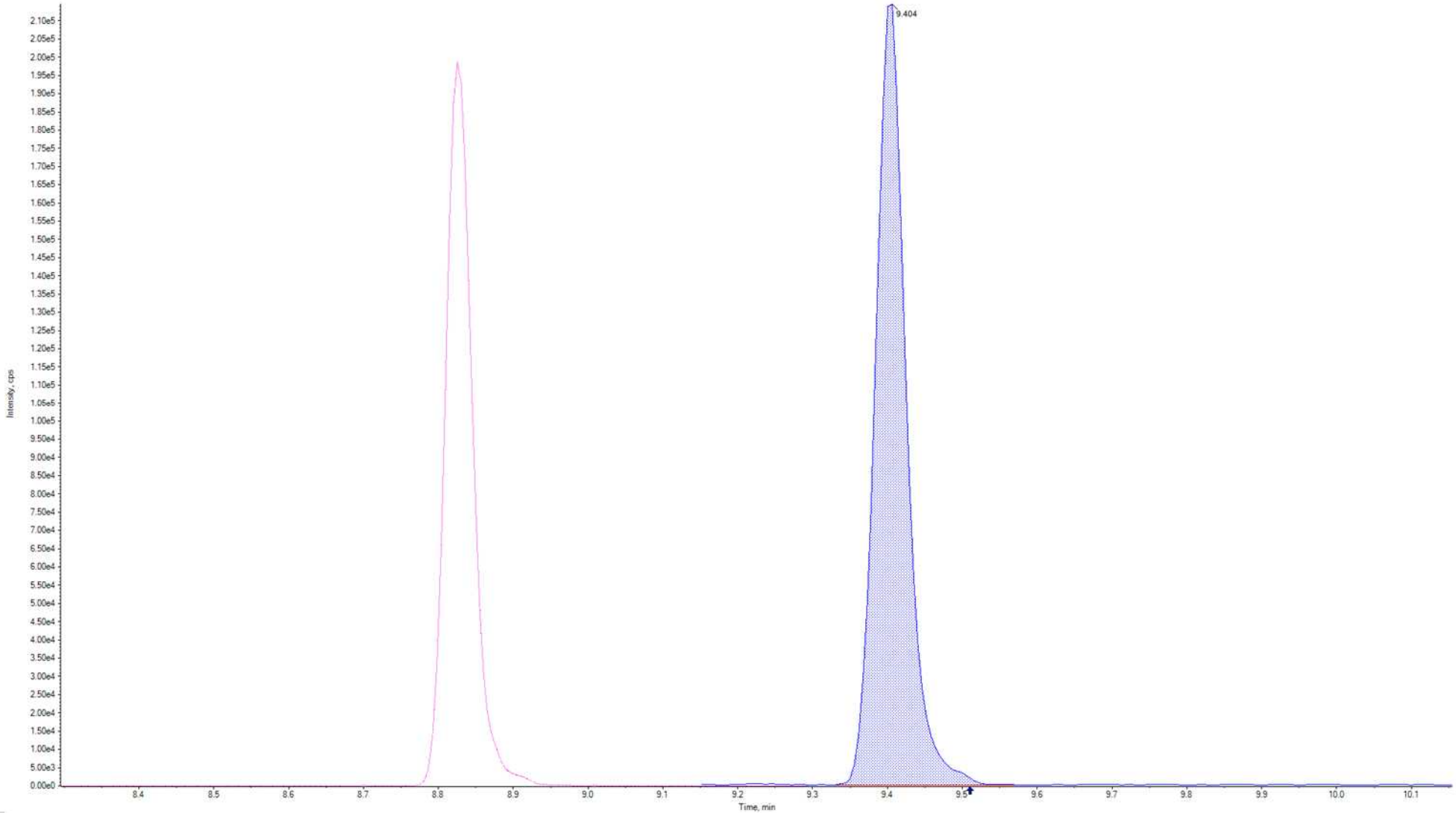

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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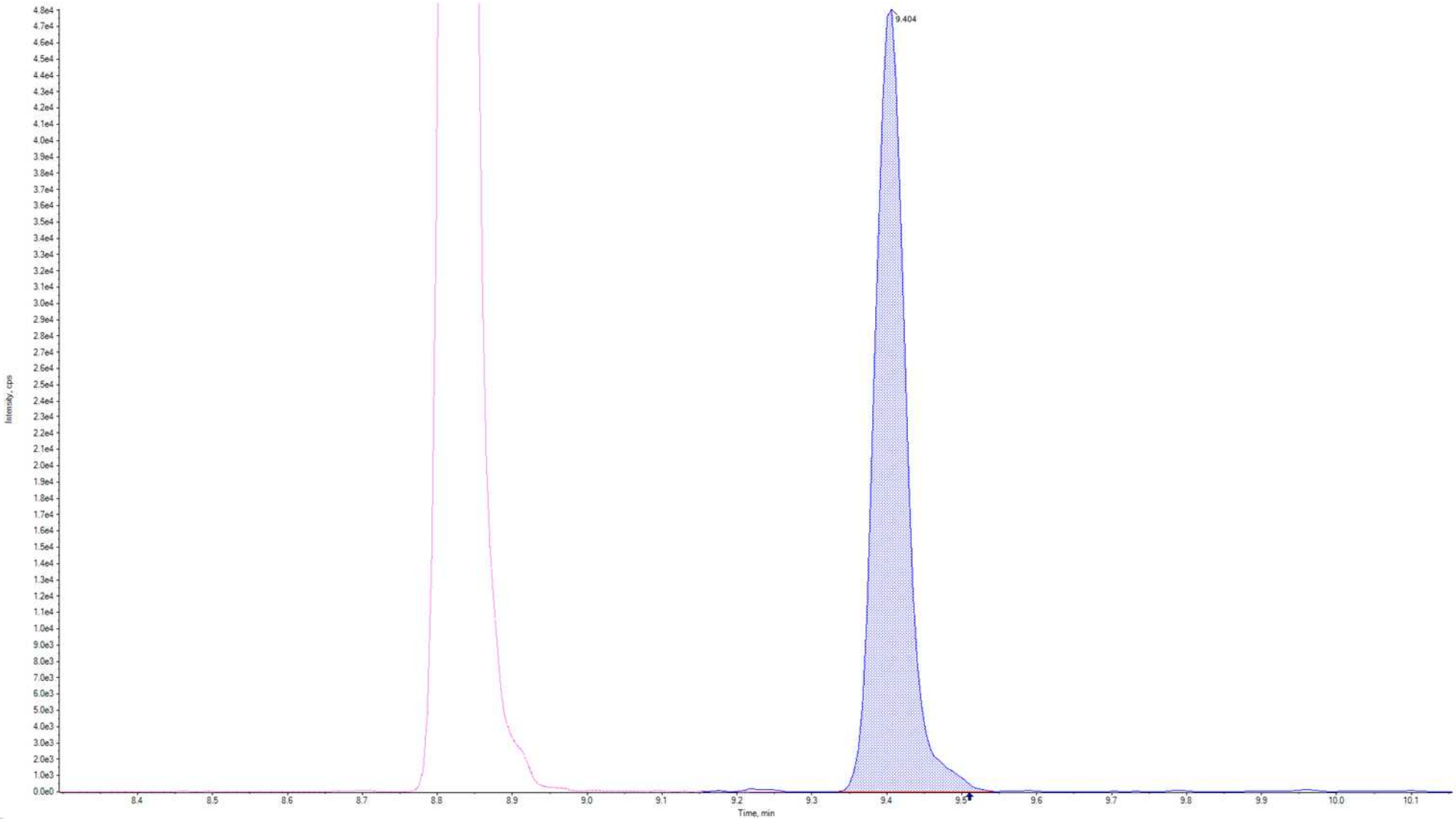
PFTrDA_2
Sample: WG1972930-8,1633MED S/N:19098048.7 Points Across peak:40



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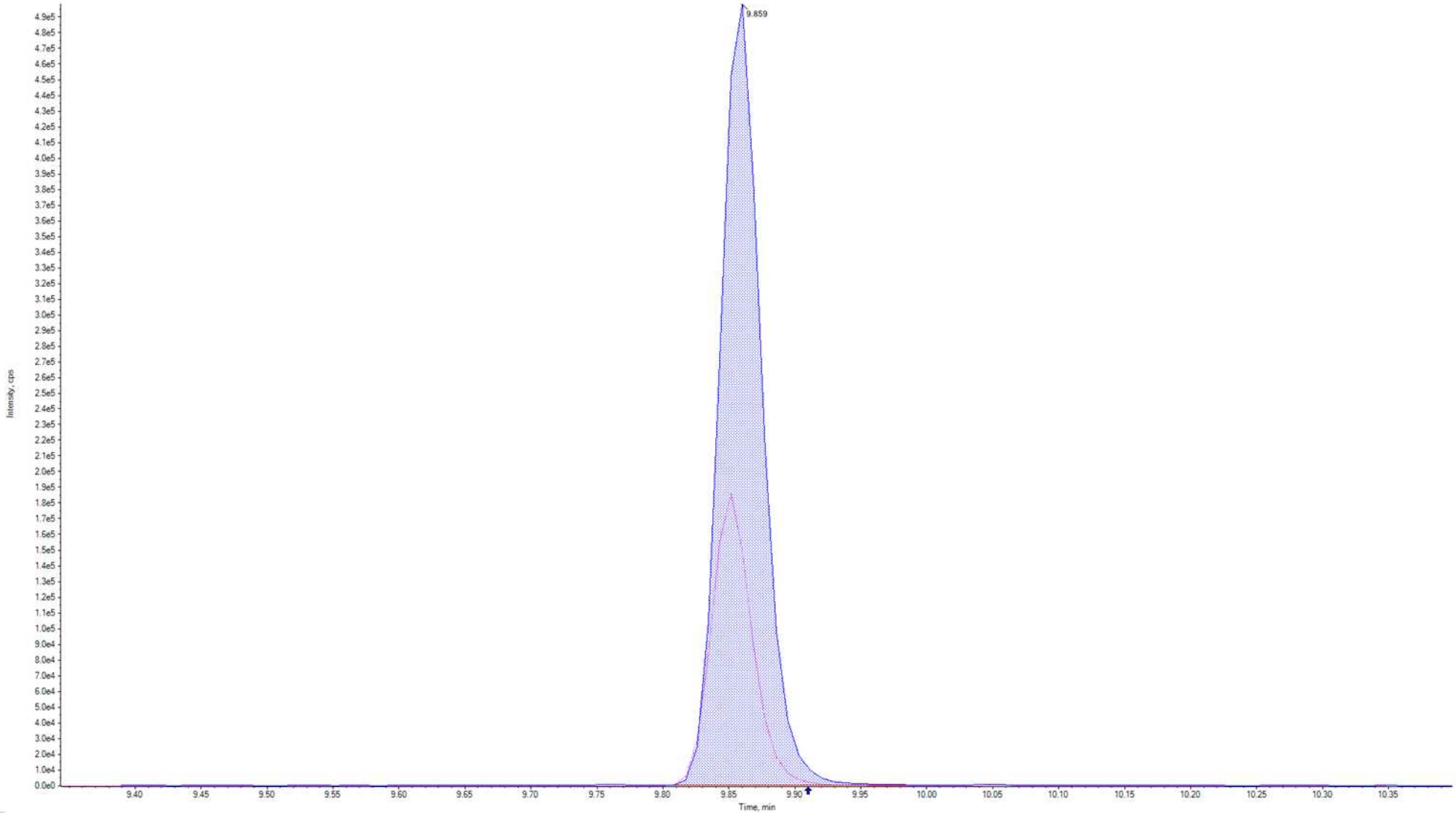
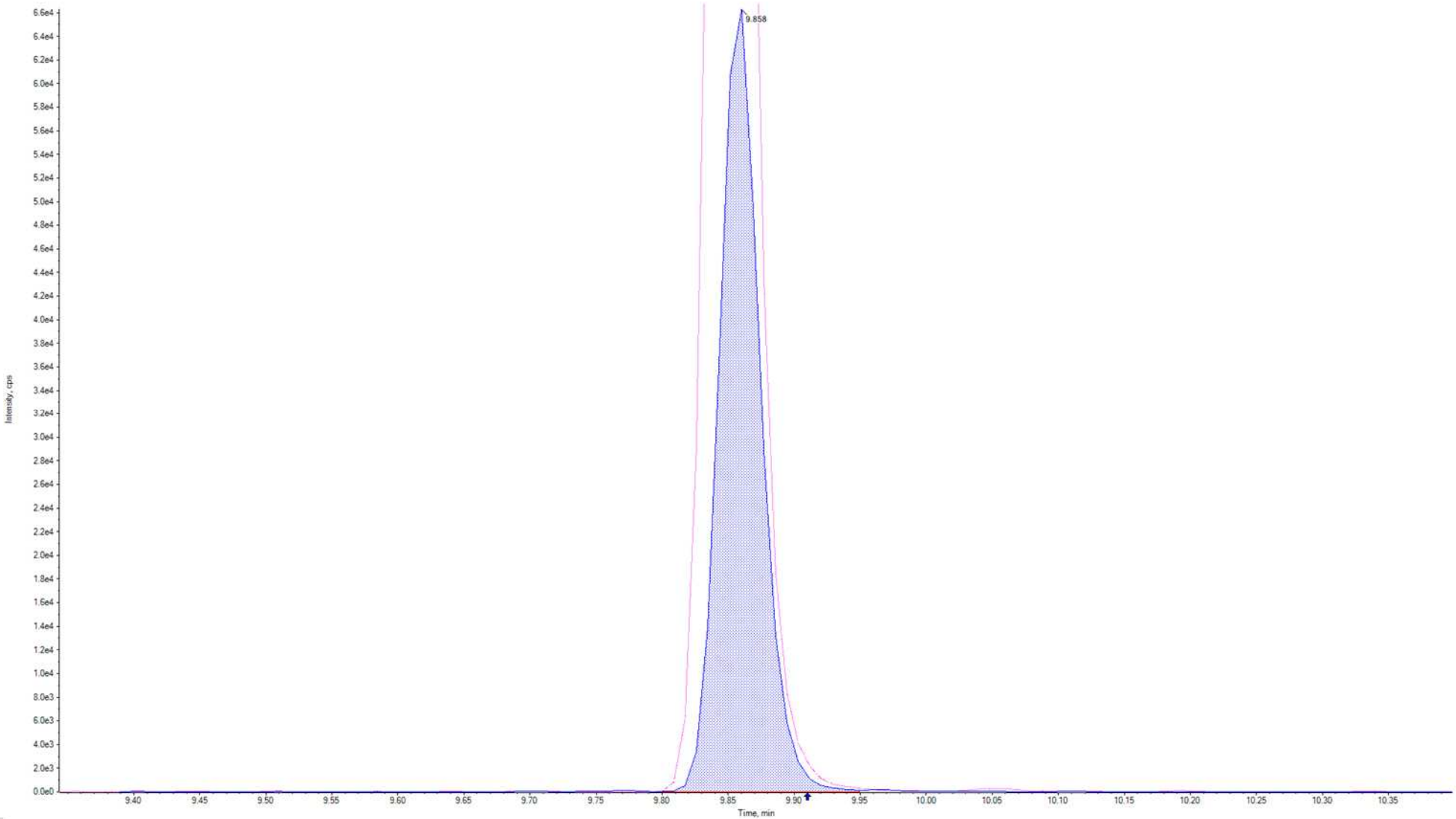
PFTeDA
Sample: WG1972930-8,1633MED S/N:2236.0 Points Across peak:24



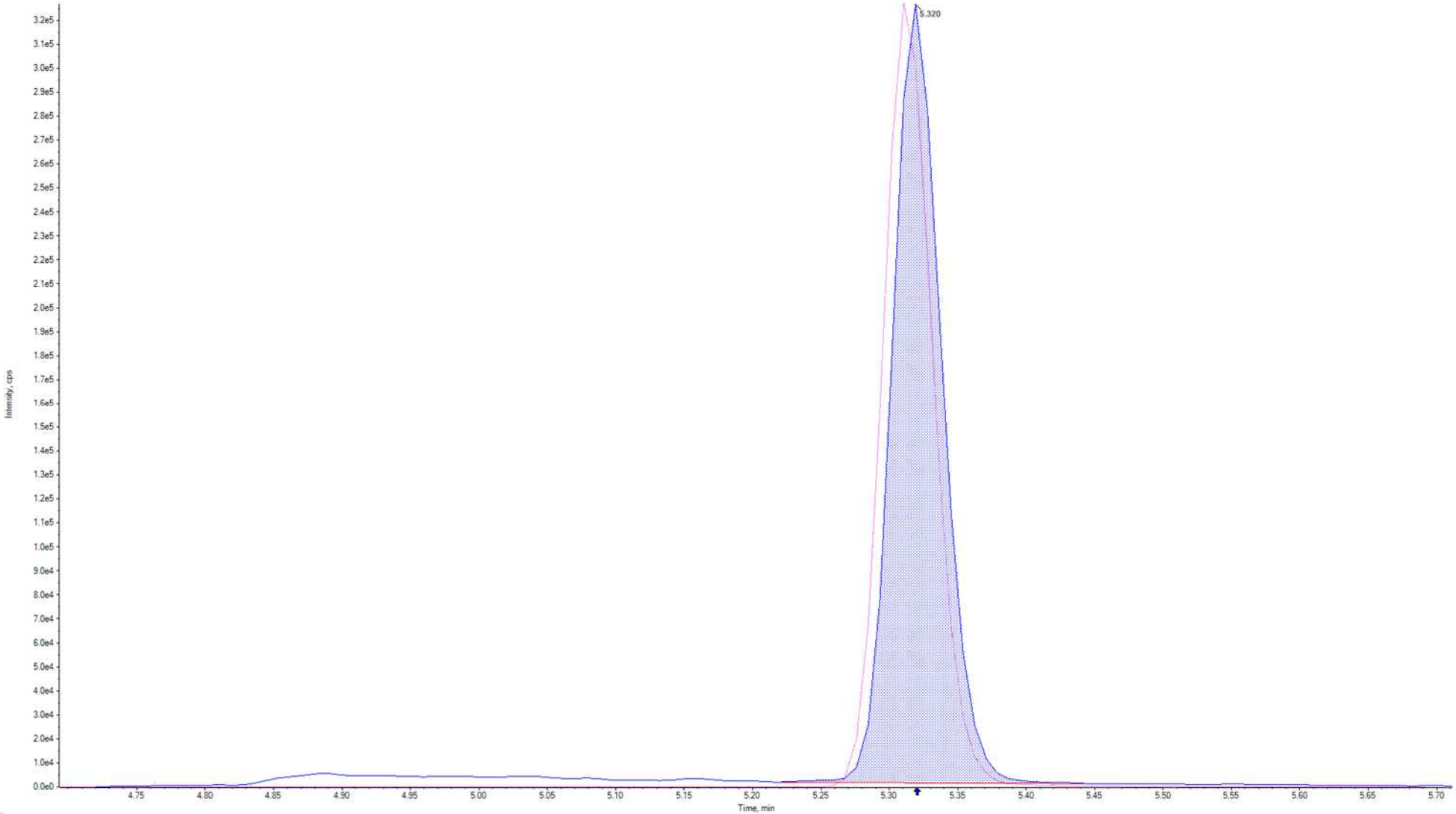
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFTeDA_2
Sample: WG1972930-8,1633MED S/N:2470.0 Points Across peak:19



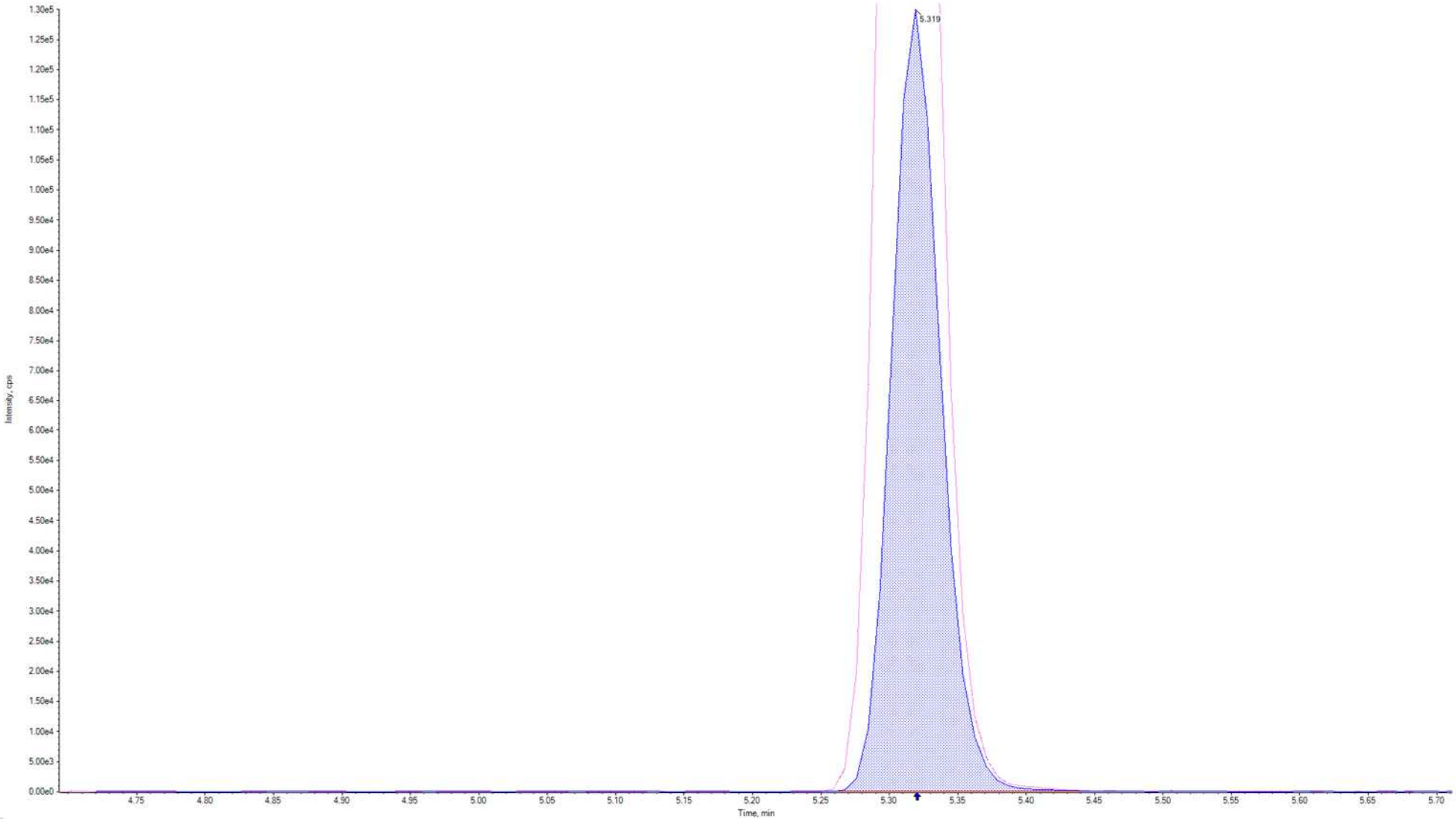
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFBS
Sample: WG1972930-8,1633MED S/N:81.3 Points Across peak:30



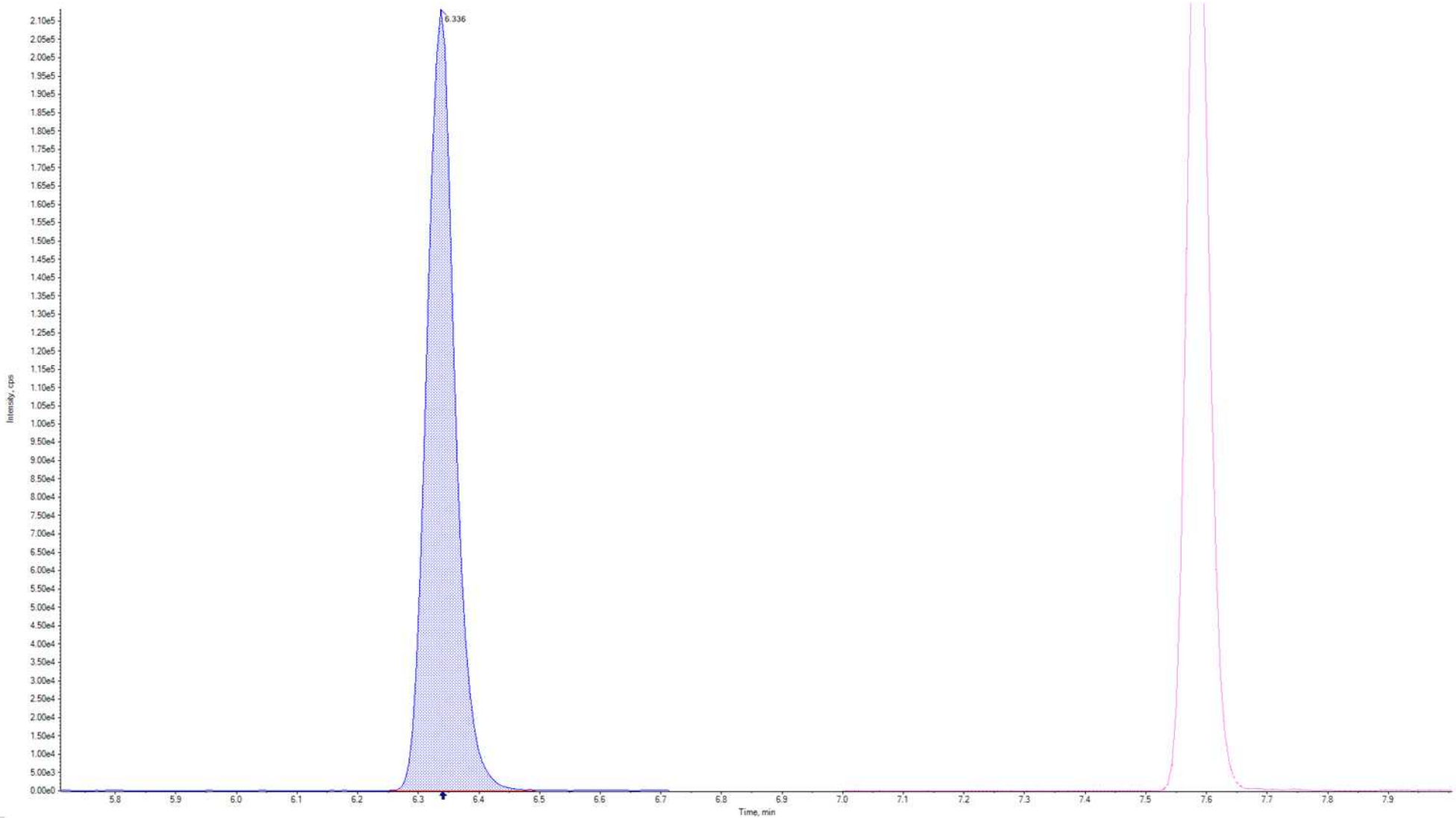
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFBS_2
Sample: WG1972930-8,1633MED S/N:6527.8 Points Across peak:25



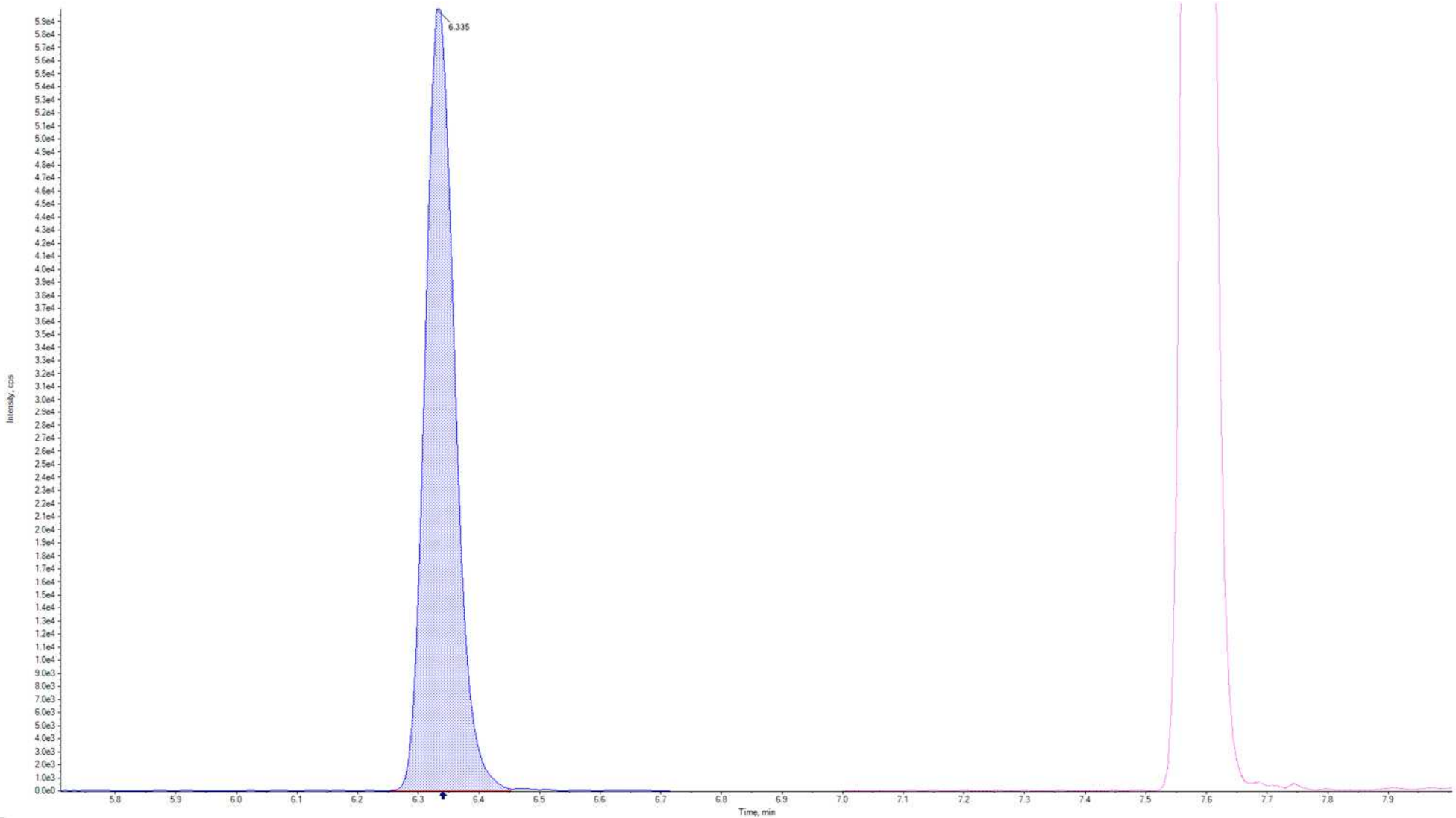
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS
Sample: WG1972930-8,1633MED S/N:4813.1 Points Across peak:40



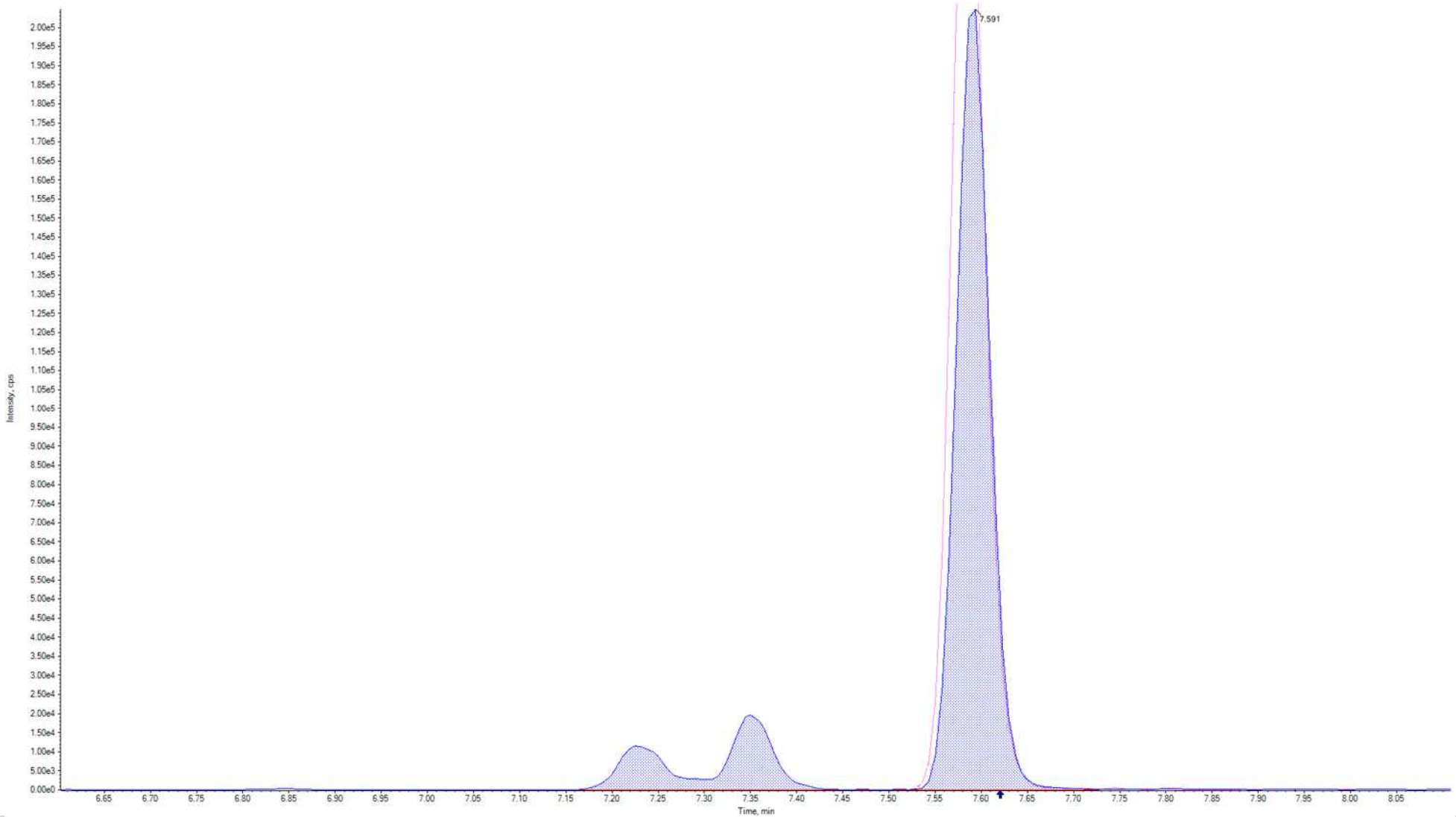
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFPeS_2
Sample: WG1972930-8,1633MED S/N:10515.2 Points Across peak:32



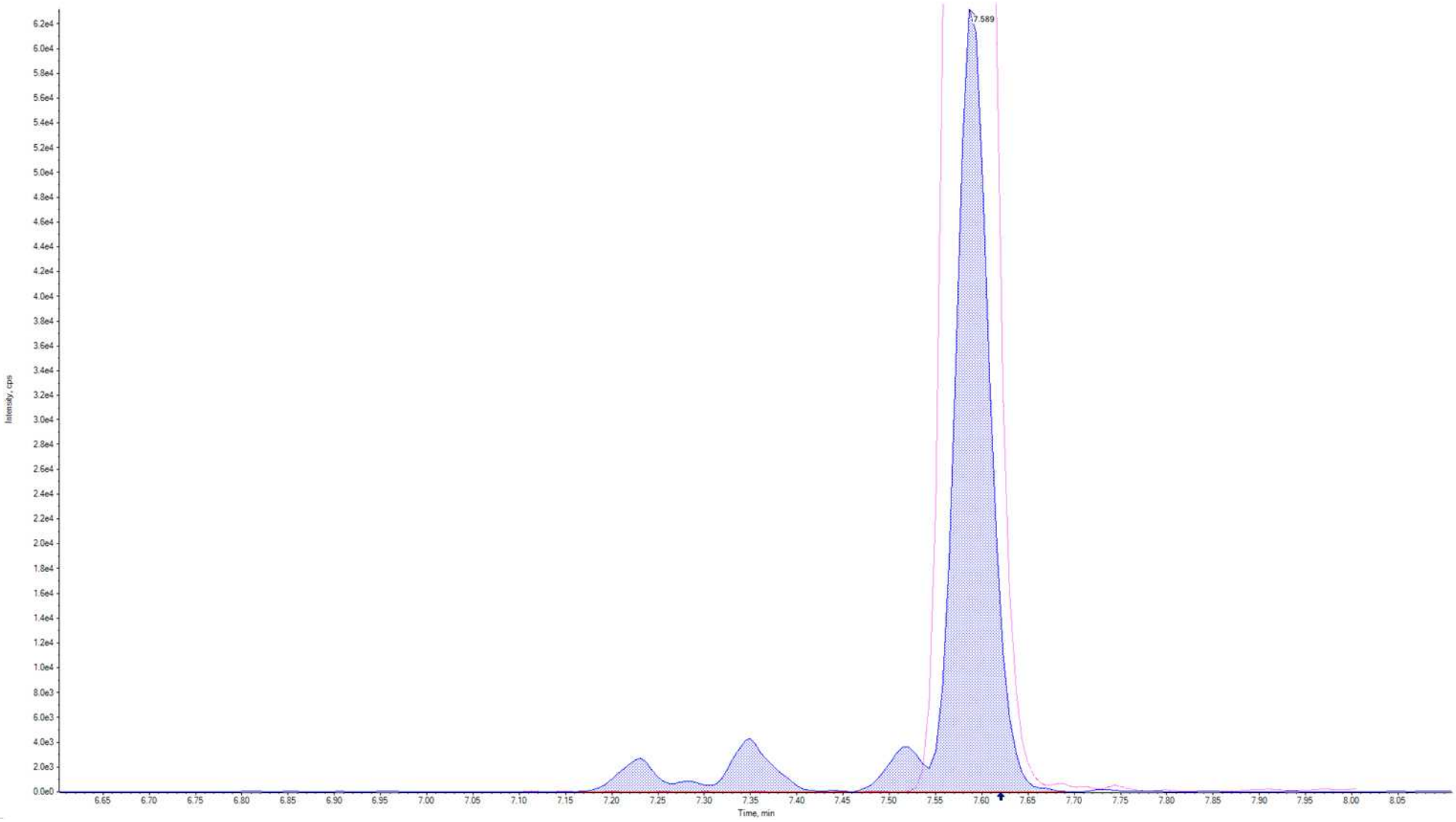
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS
Sample: WG1972930-8,1633MED S/N:19036.1 Points Across peak:92



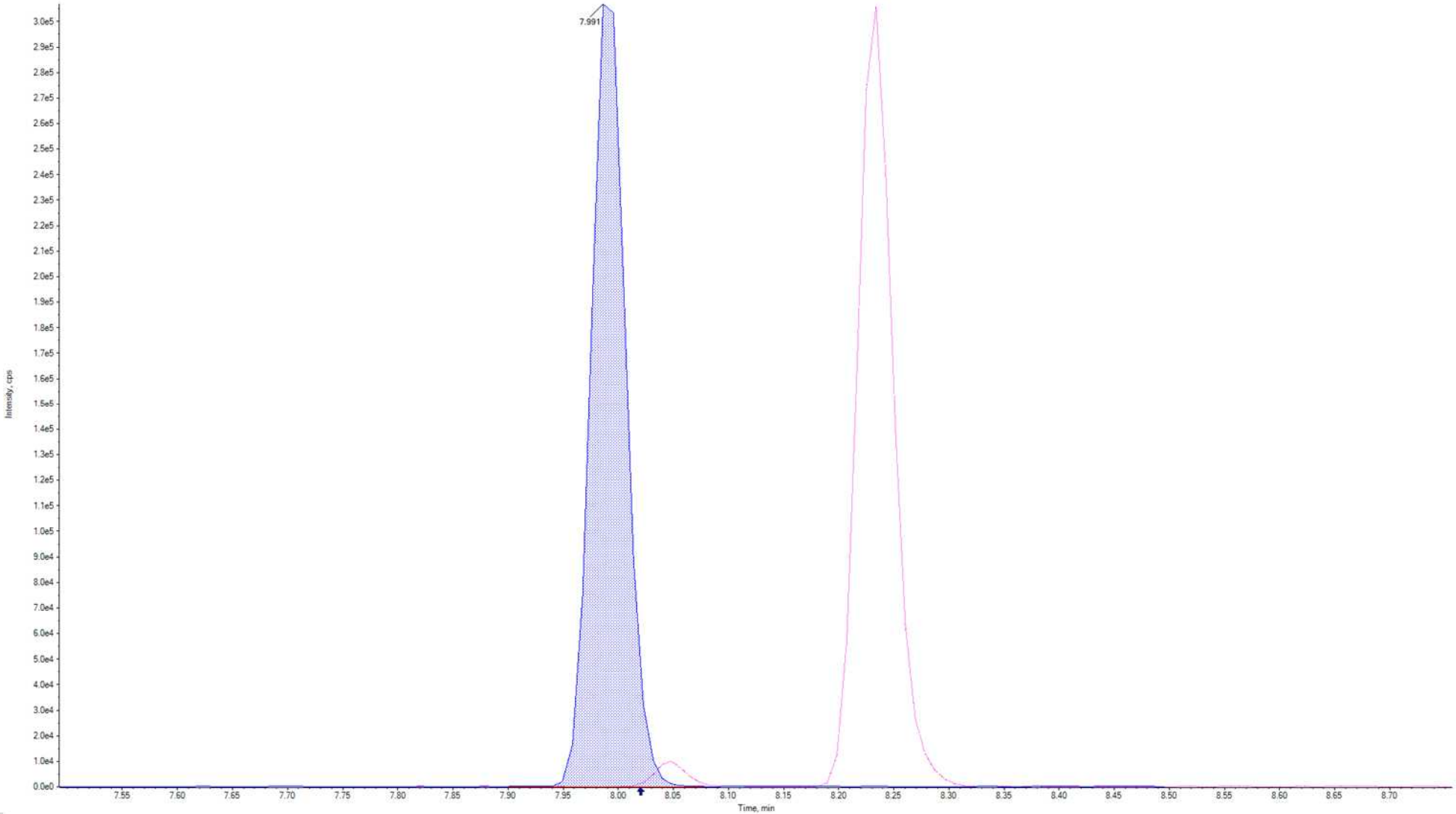
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFHxS_2
Sample: WG1972930-8,1633MED S/N:1980.9 Points Across peak:89



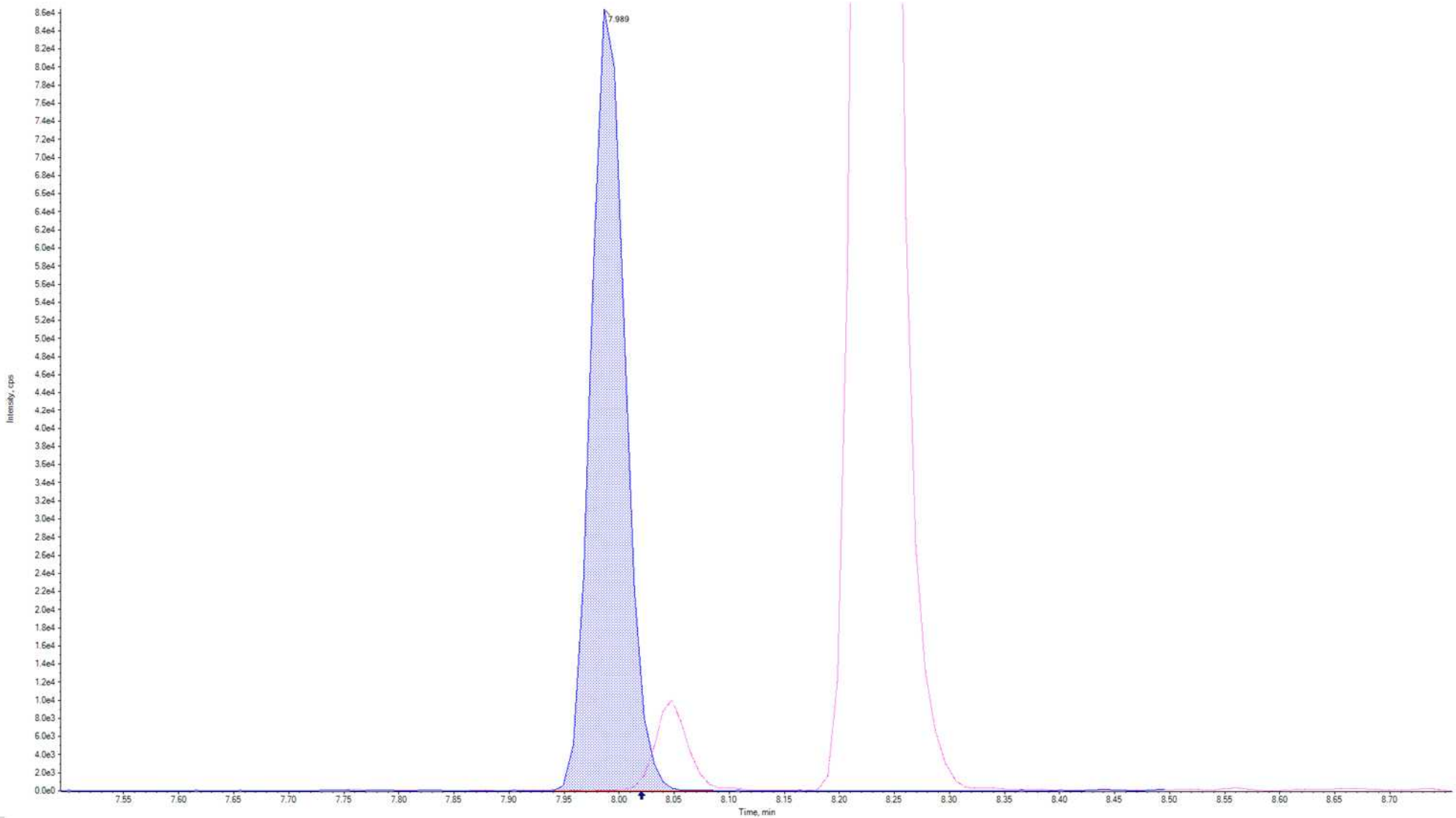
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS
Sample: WG1972930-8,1633MED S/N:6265.7 Points Across peak:22



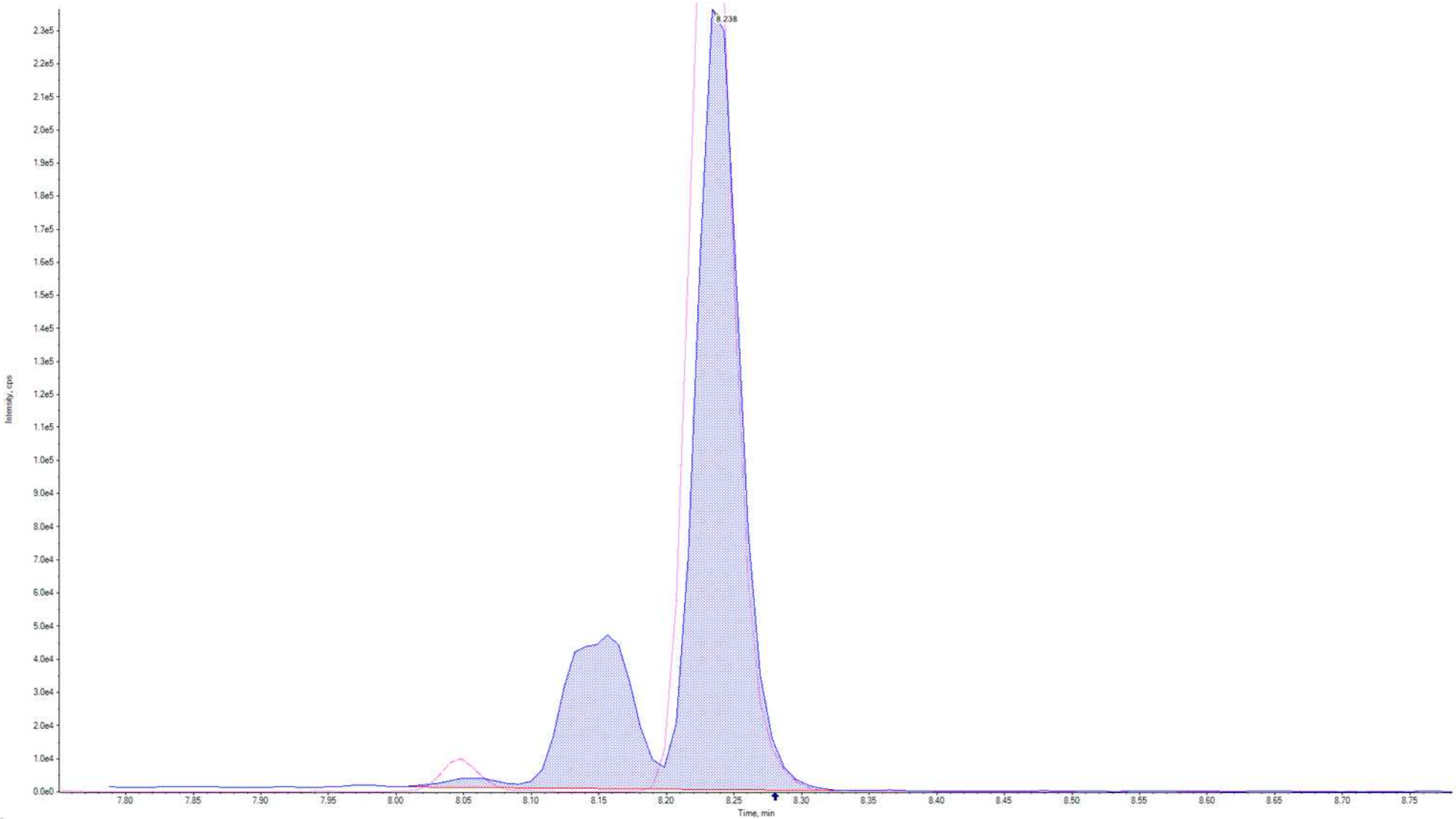
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFHpS_2
Sample: WG1972930-8,1633MED S/N:1857.6 Points Across peak:19



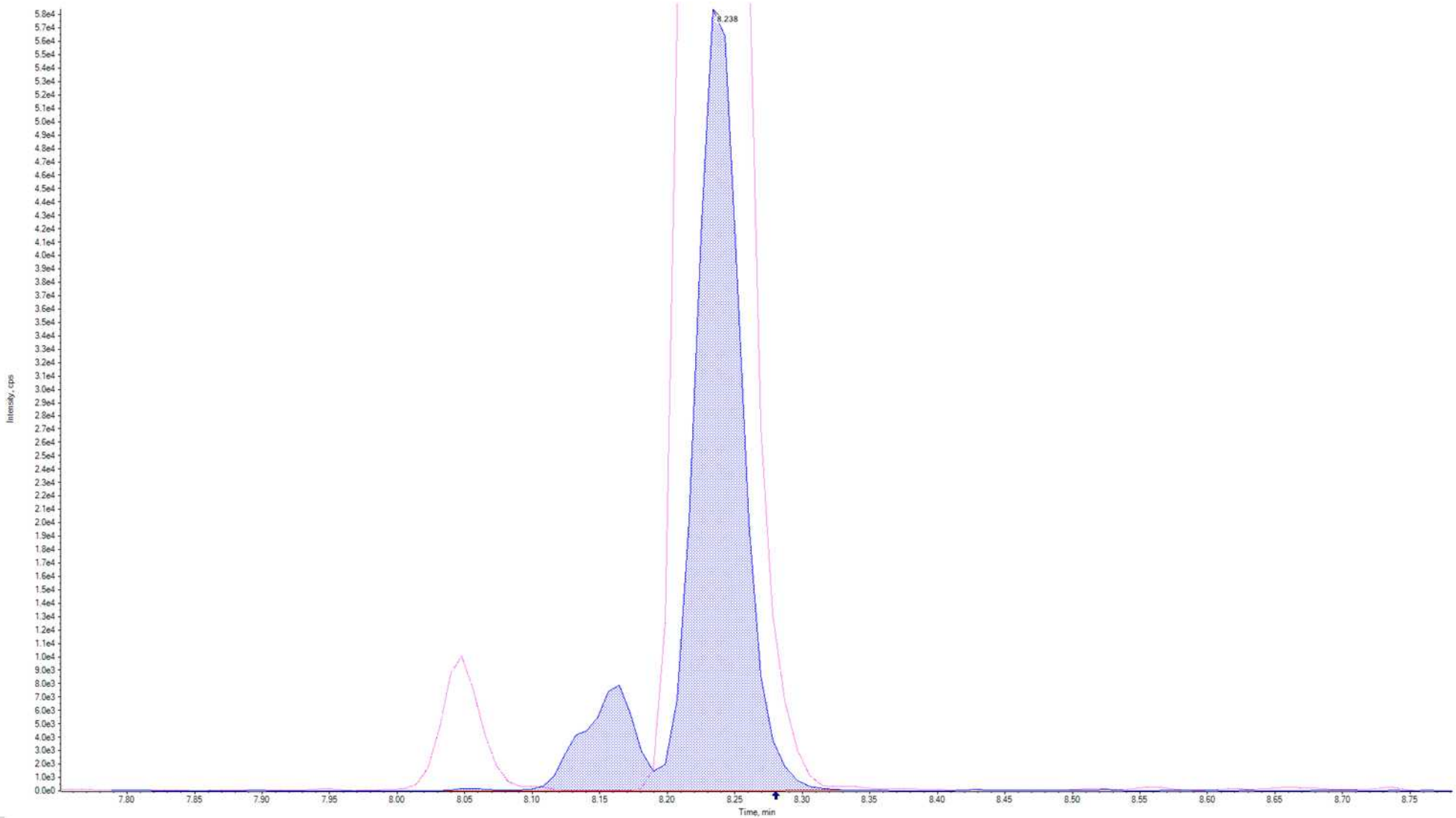
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFOS
Sample: WG1972930-8,1633MED S/N:1924.6 Points Across peak:39



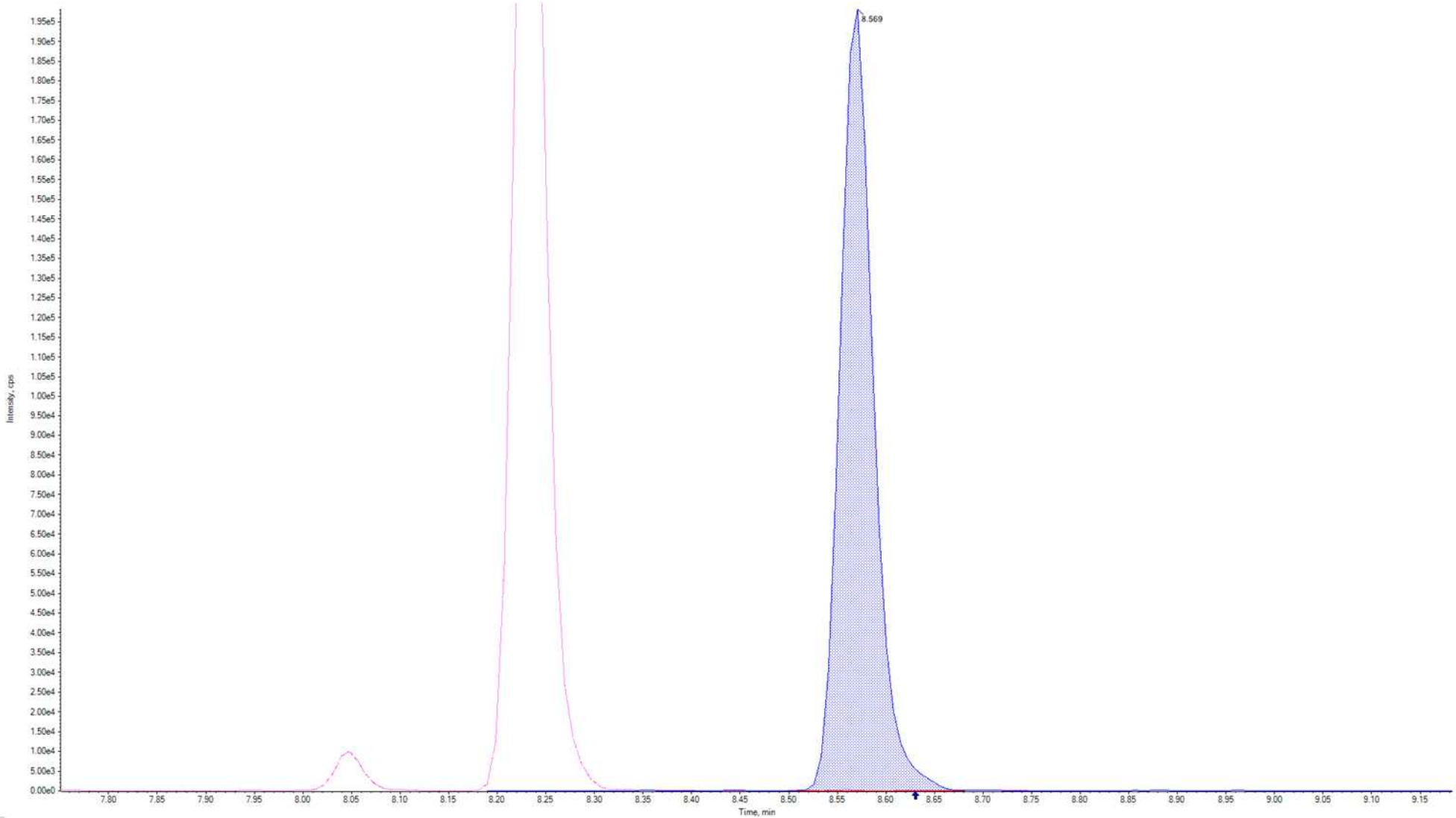
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFOS_2
Sample: WG1972930-8,1633MED S/N:967.5 Points Across peak:40



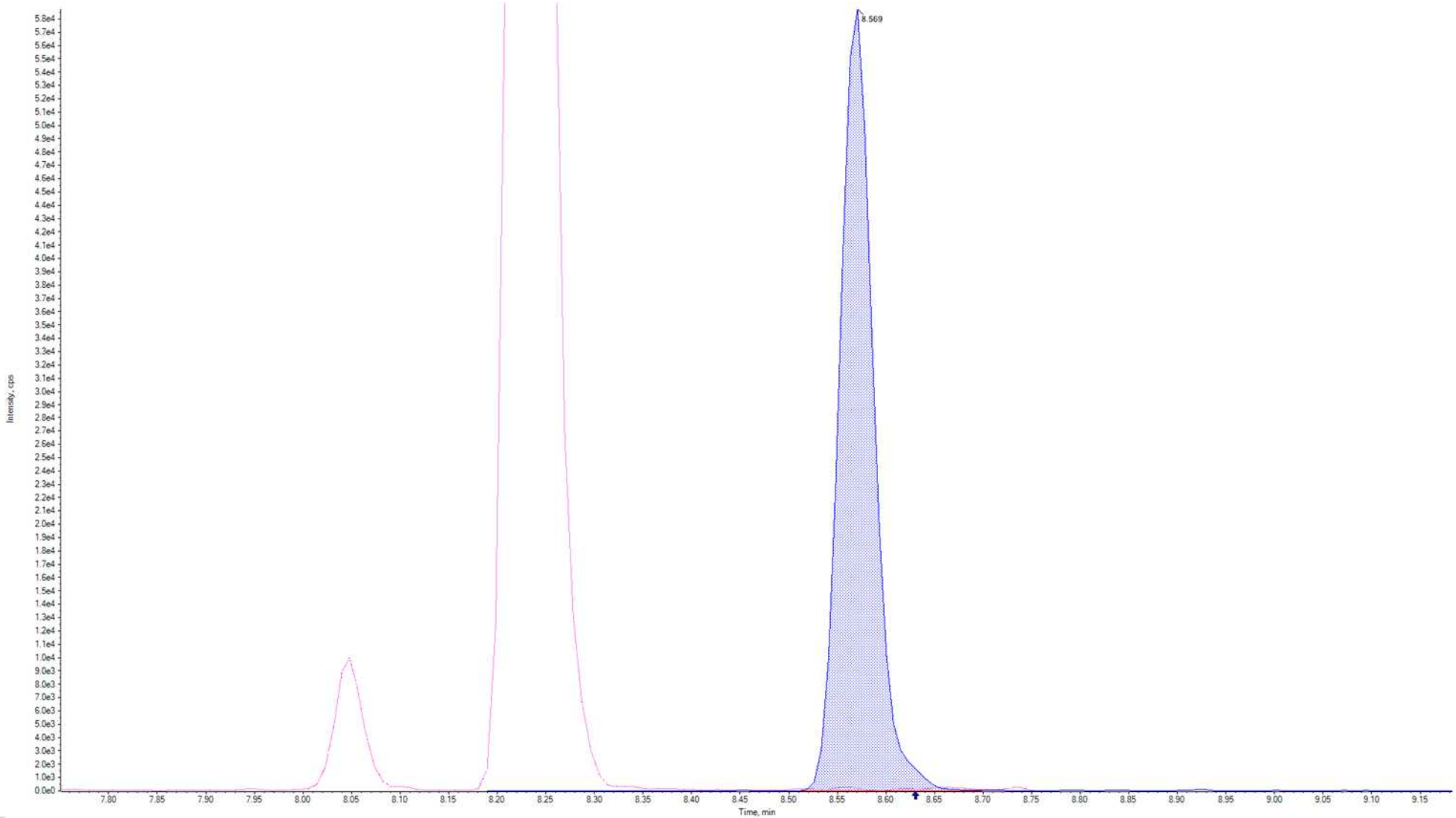
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFNS
Sample: WG1972930-8,1633MED S/N:258006.6 Points Across peak:27



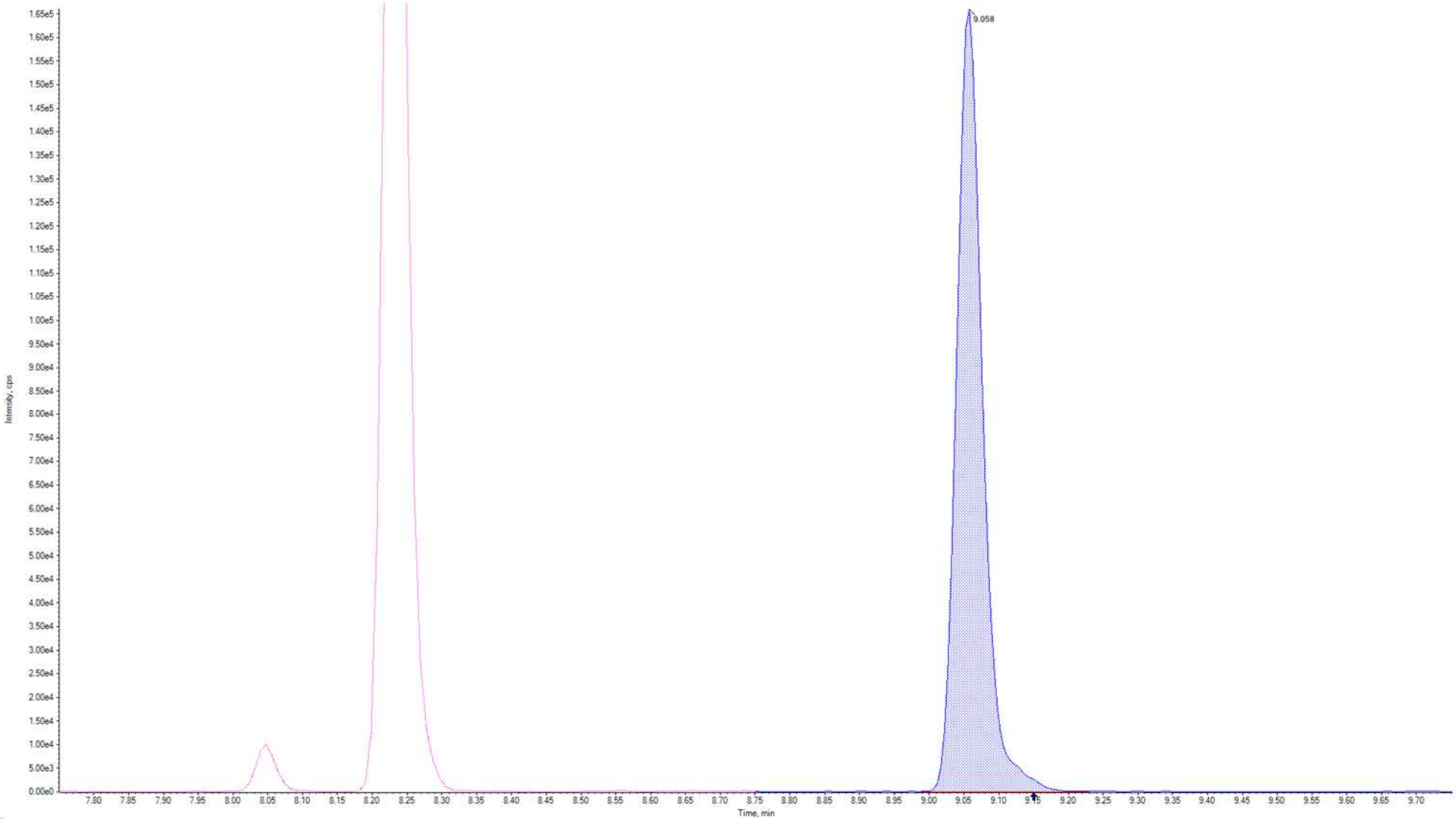
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFNS_2
Sample: WG1972930-8,1633MED S/N:2747.5 Points Across peak:31



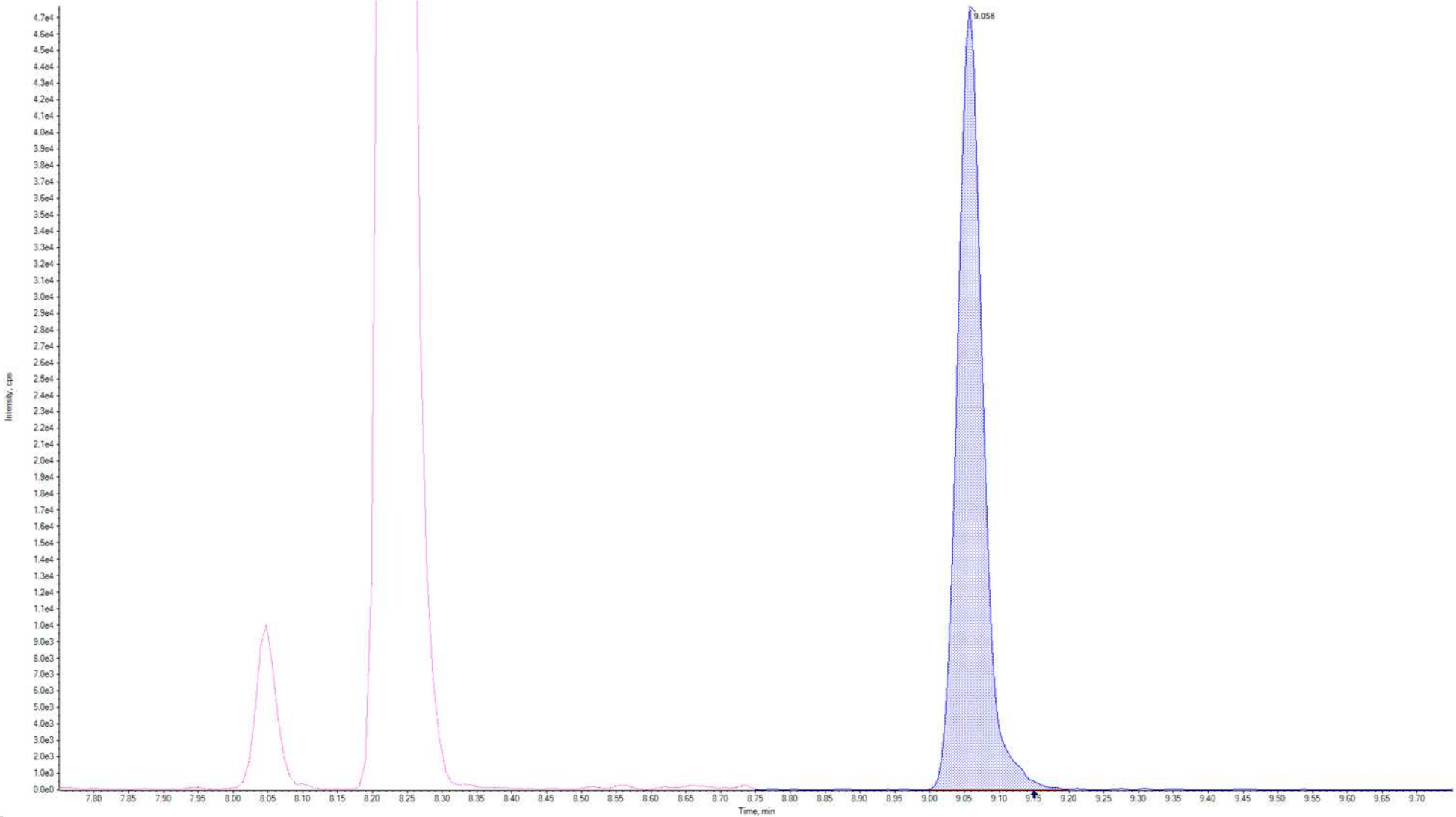
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFDS
Sample: WG1972930-8,1633MED S/N:5574.3 Points Across peak:49



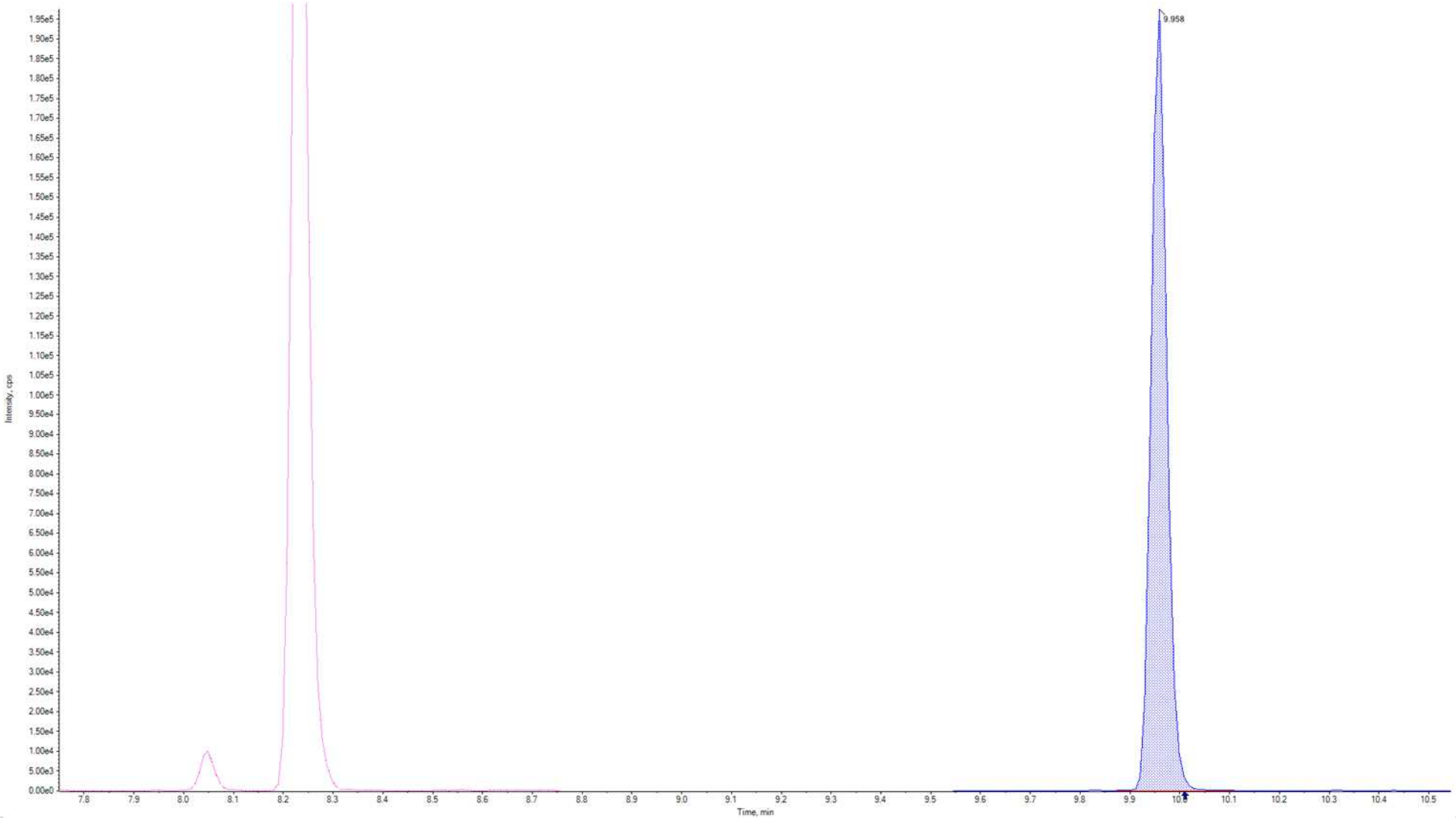
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFDS_2
Sample: WG1972930-8,1633MED S/N:212125.2 Points Across peak:43



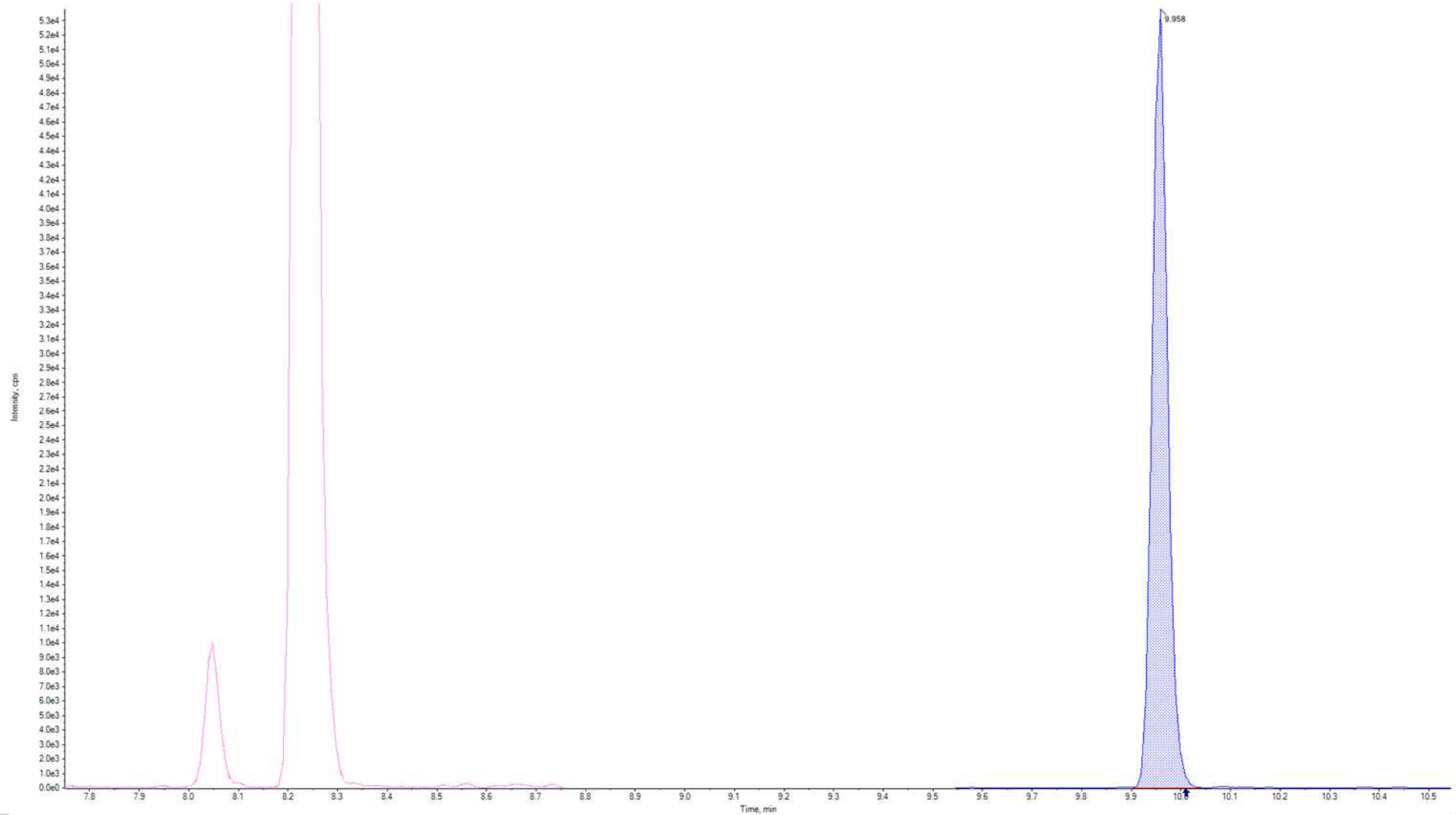
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS
Sample: WG1972930-8,1633MED S/N:9221.6 Points Across peak:32



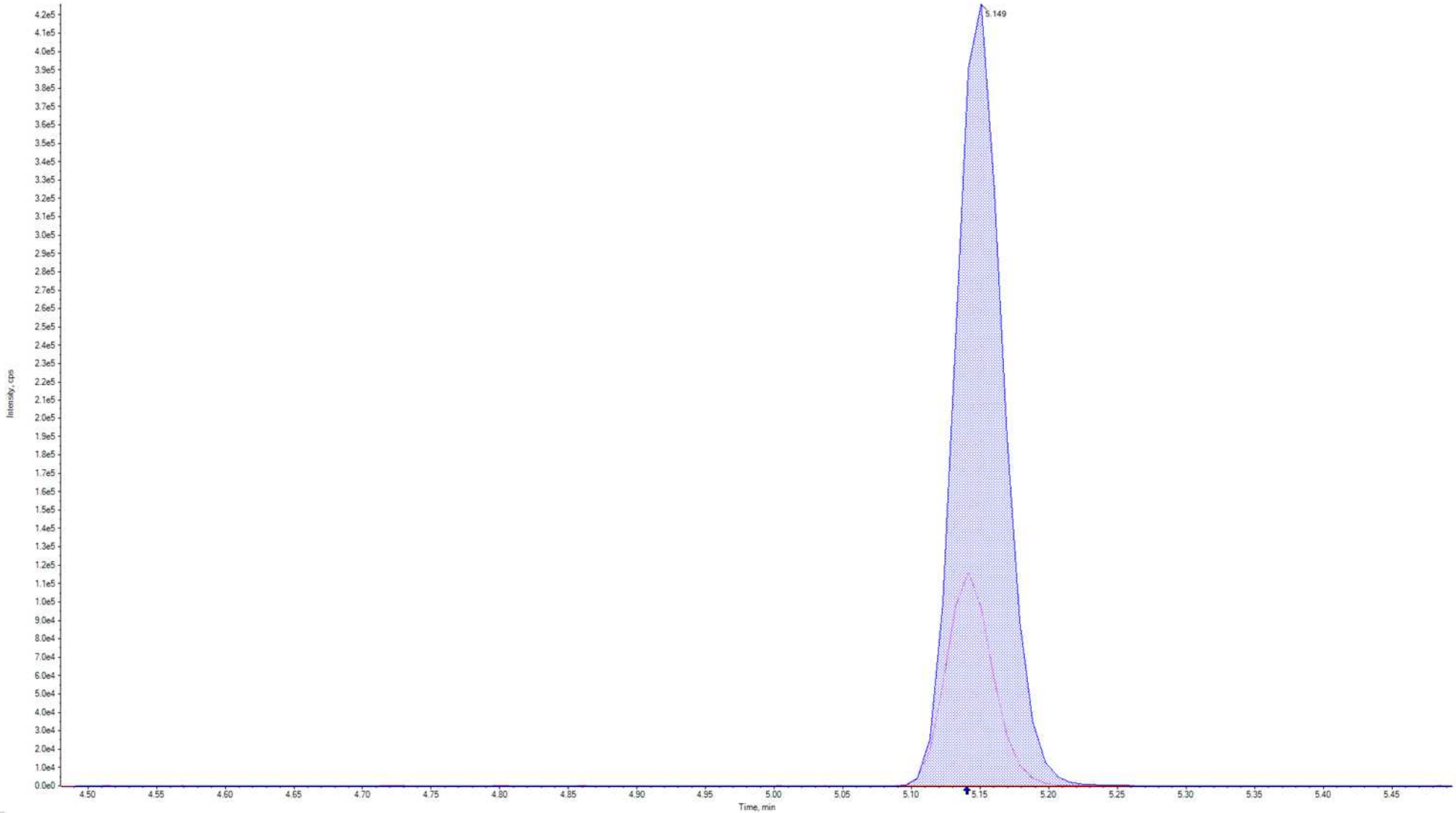
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFDoS_2
Sample: WG1972930-8,1633MED S/N:2213.5 Points Across peak:16



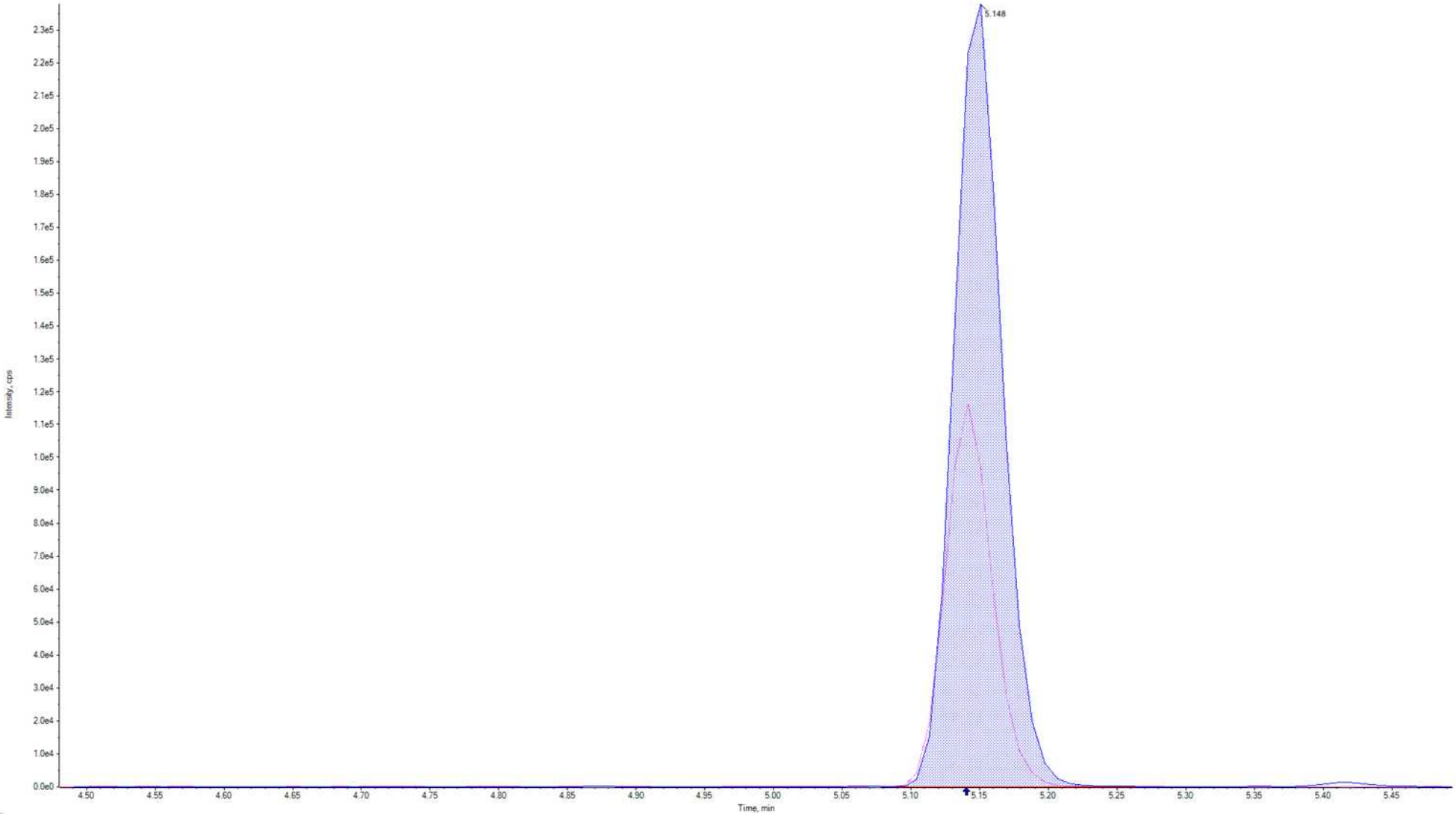
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS
Sample: WG1972930-8,1633MED S/N:1785879.9 Points Across peak:23



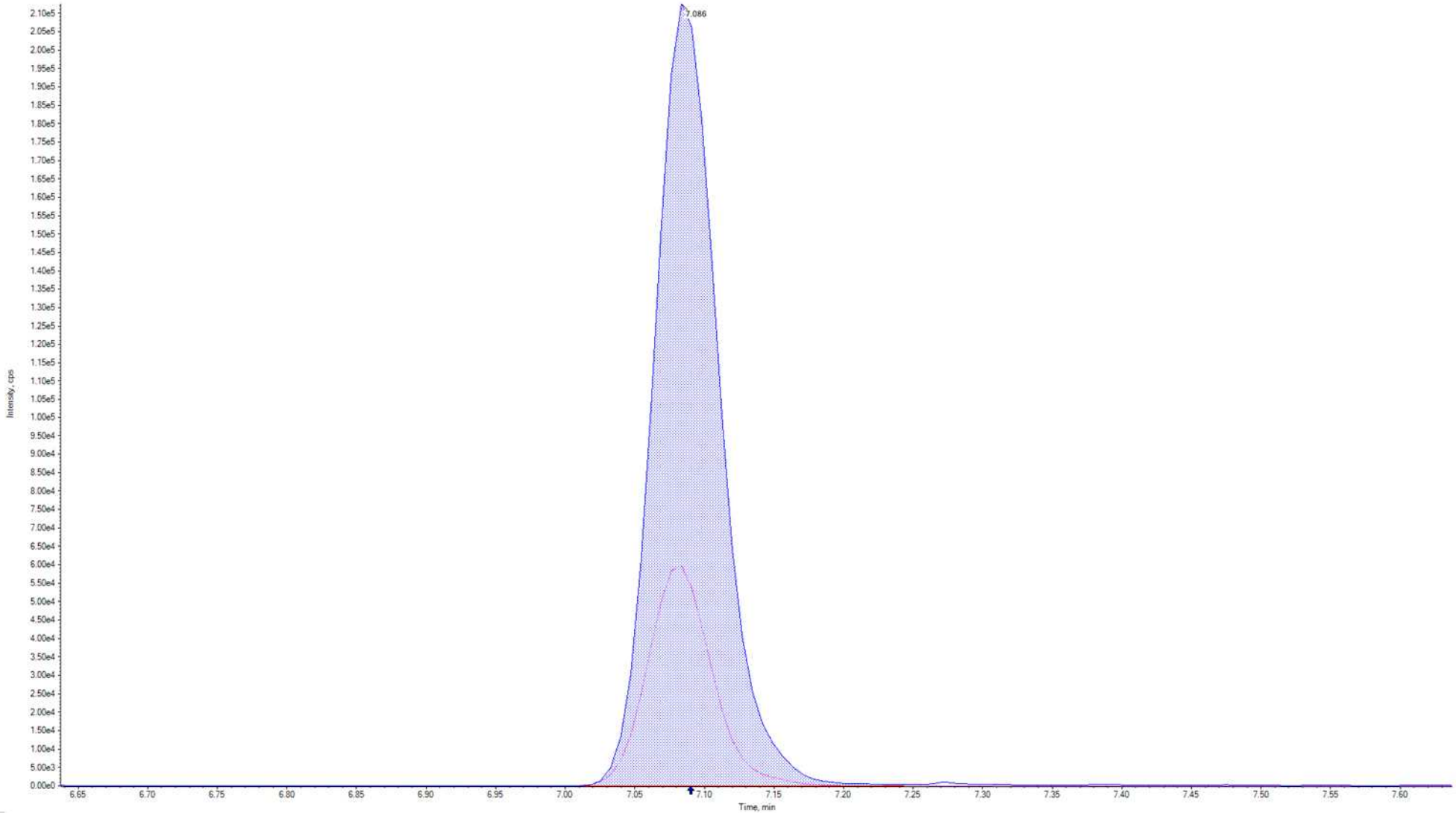
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

4:2FTS_2
Sample: WG1972930-8,1633MED S/N:9103.0 Points Across peak:27



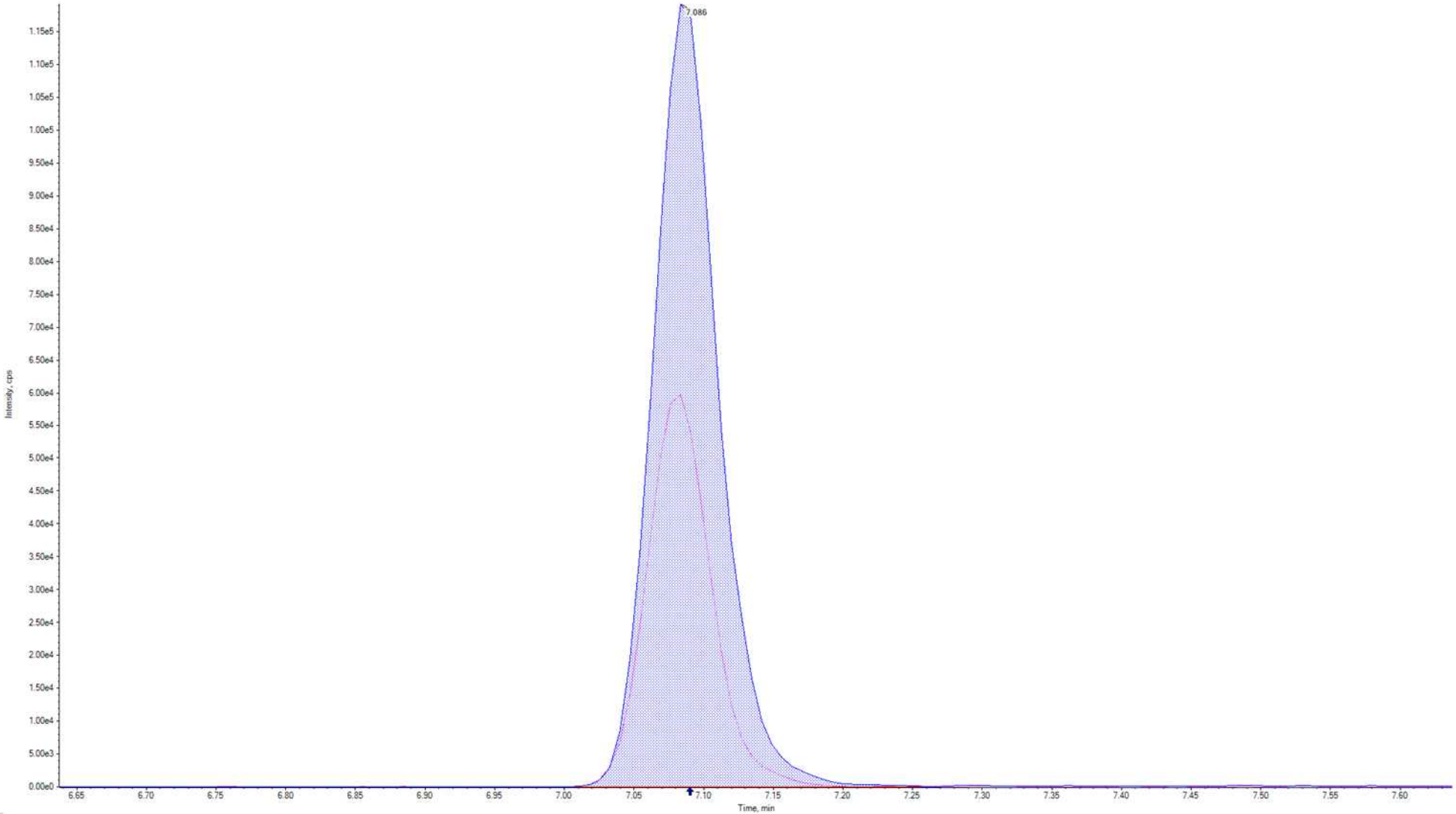
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS
Sample: WG1972930-8,1633MED S/N:33398986.0 Points Across peak:37



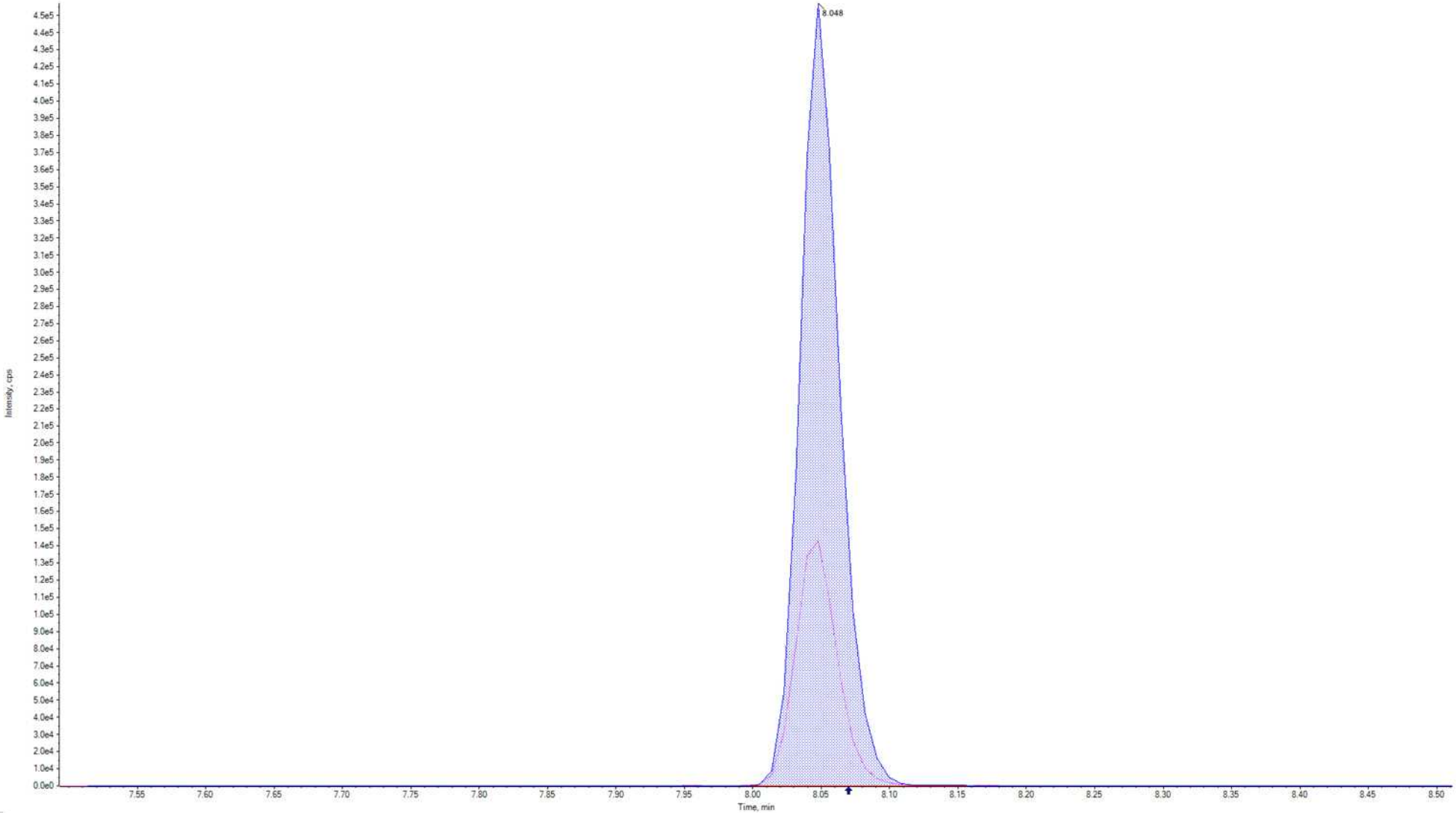
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

6:2FTS_2
Sample: WG1972930-8,1633MED S/N:149257.0 Points Across peak:39



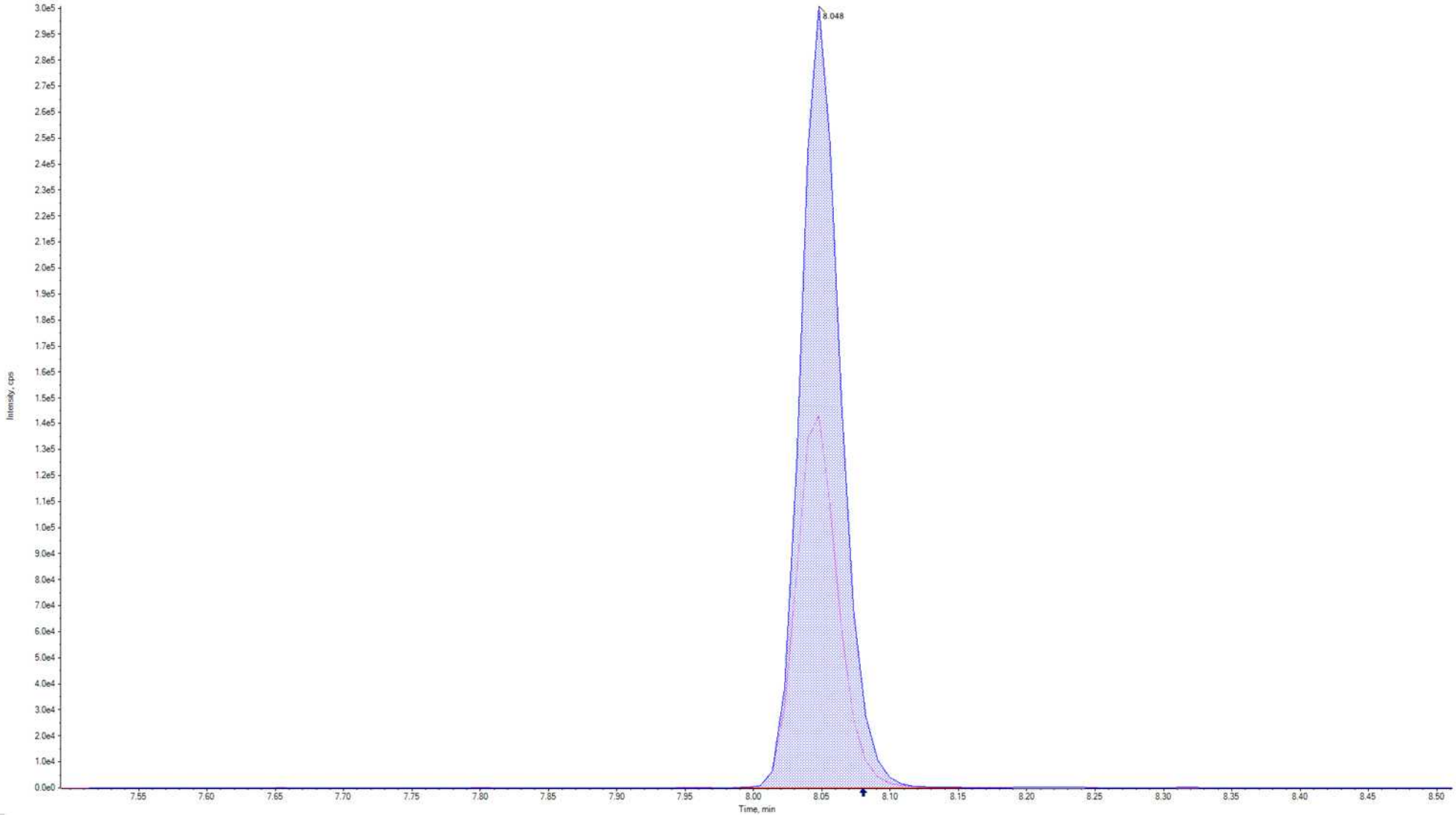
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS
Sample: WG1972930-8,1633MED S/N:74937840.9 Points Across peak:31



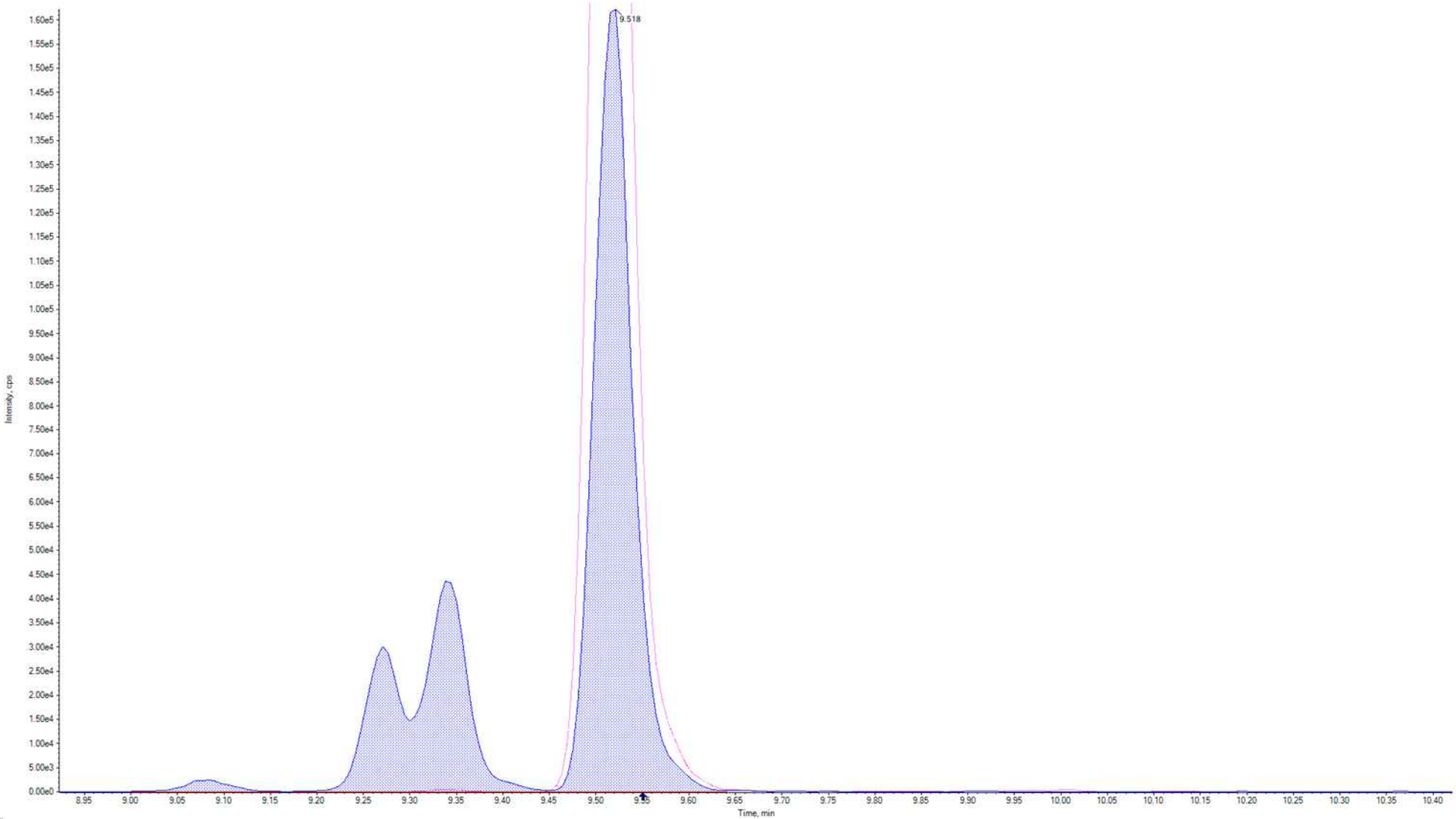
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

8:2FTS_2
Sample: WG1972930-8,1633MED S/N:2438.5 Points Across peak:30



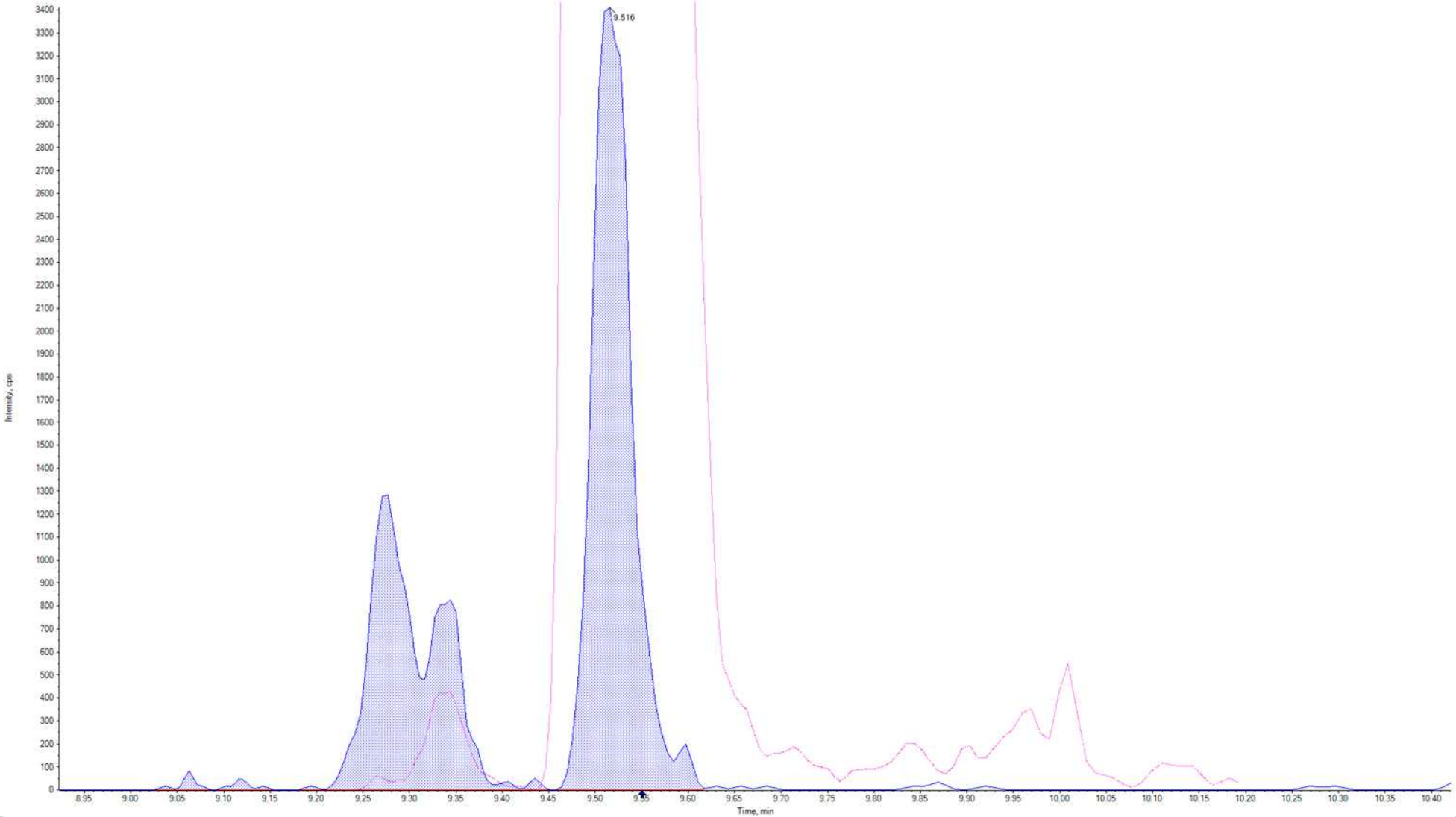
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA
Sample: WG1972930-8,1633MED S/N:161369.5 Points Across peak:121



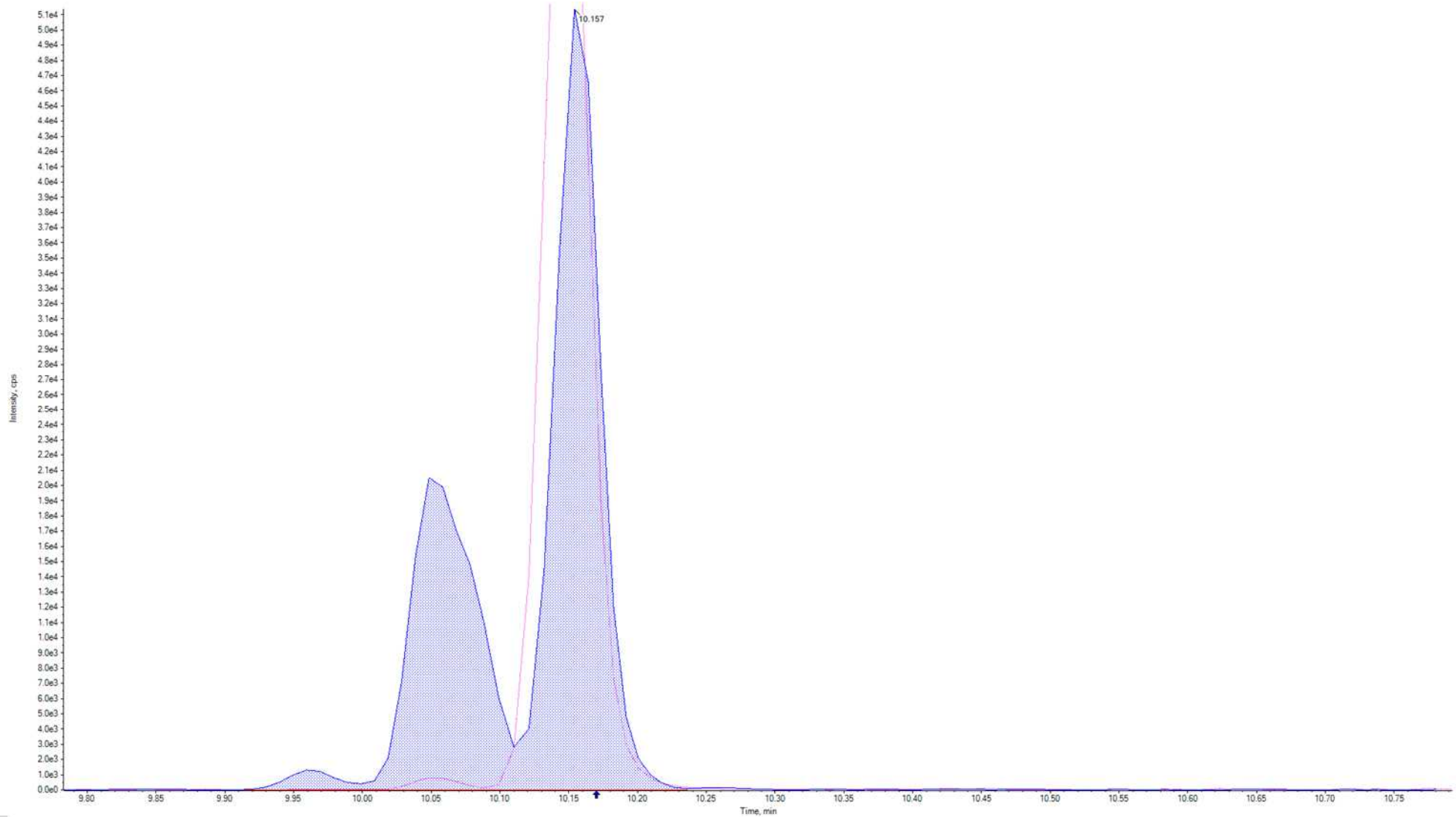
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFOSA_2
Sample: WG1972930-8,1633MED S/N:487.1 Points Across peak:108



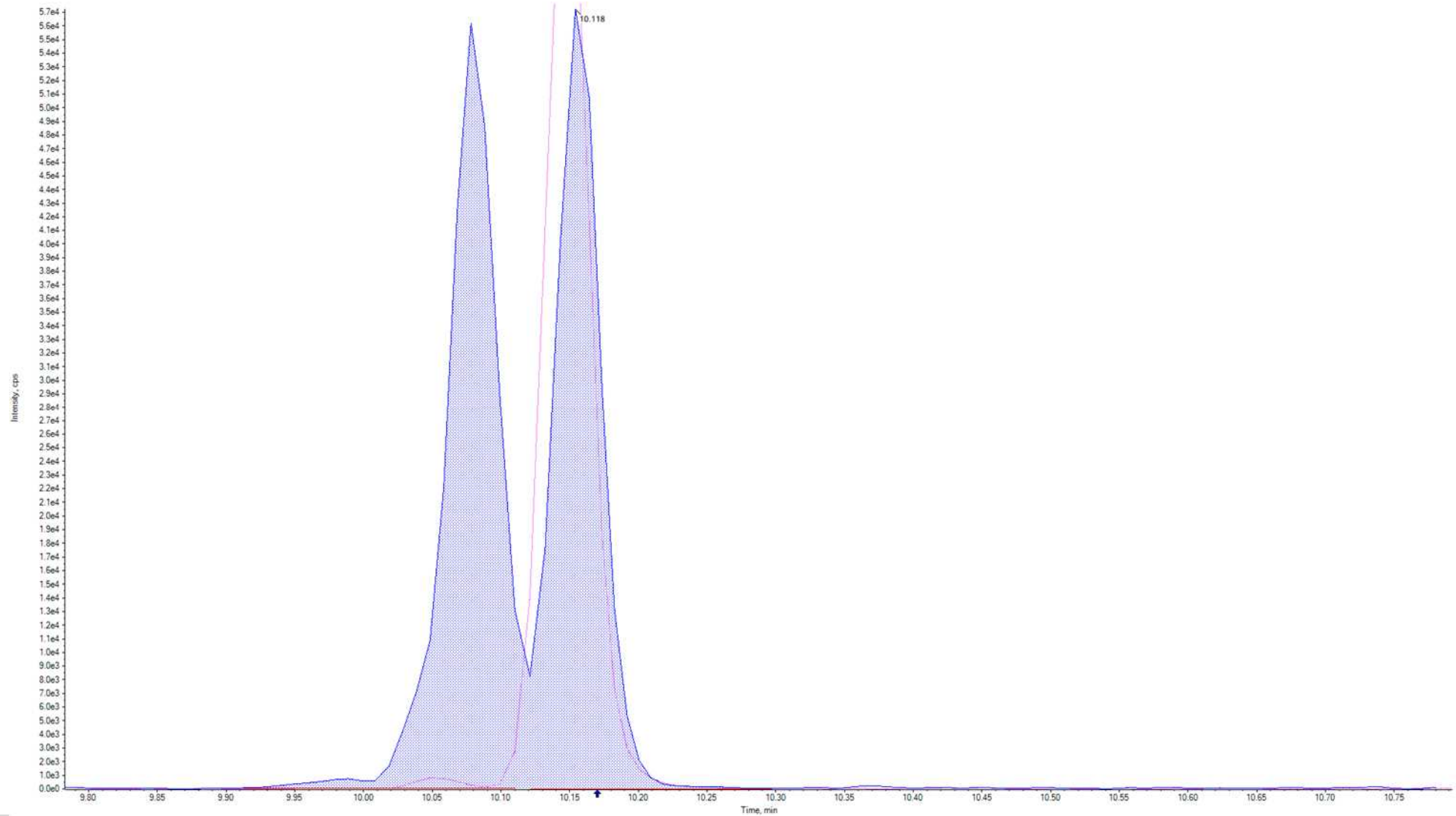
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA
Sample: WG1972930-8,1633MED S/N:66300.2 Points Across peak:36



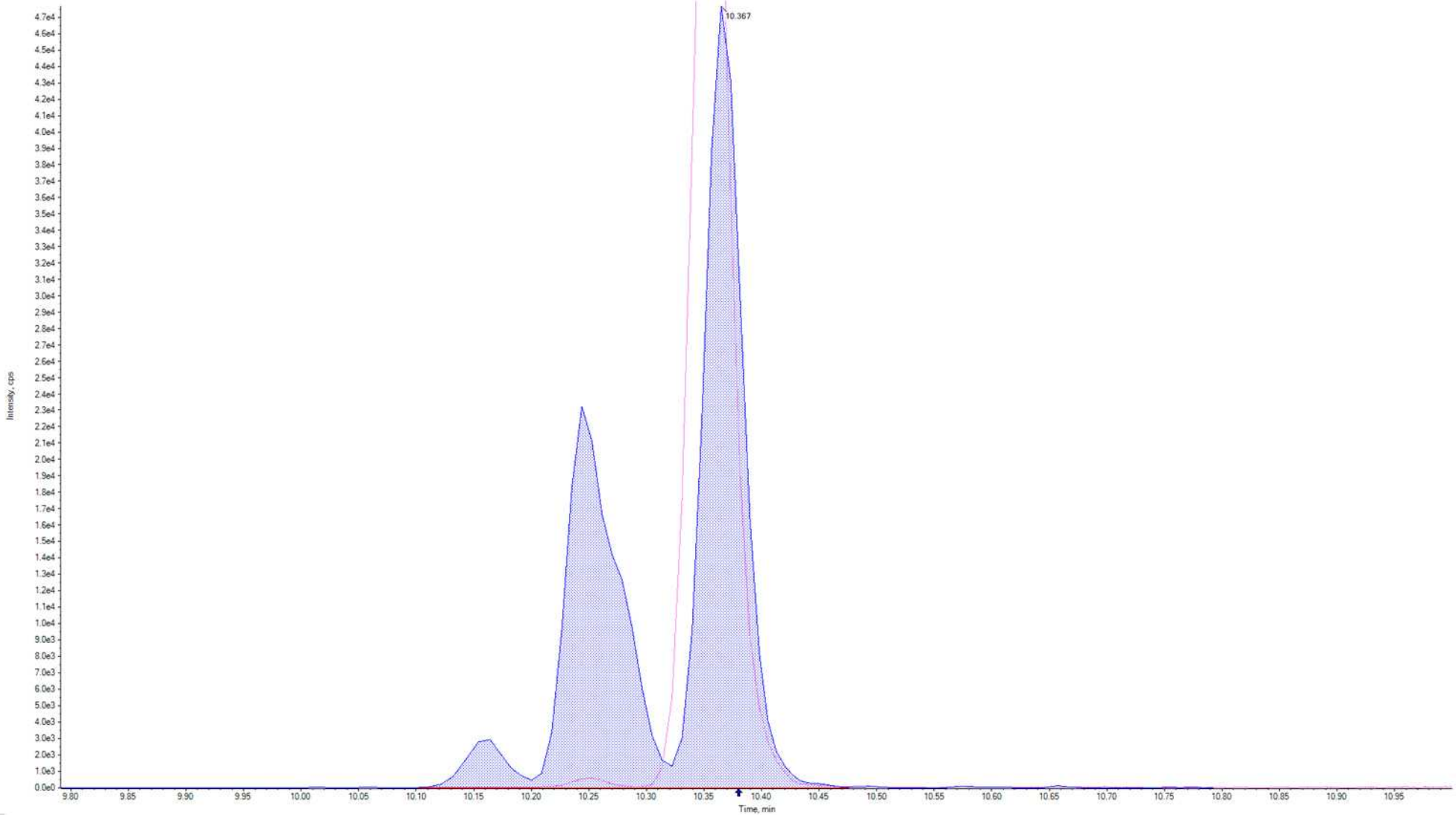
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSA_2
Sample: WG1972930-8,1633MED S/N:1441.3 Points Across peak:42



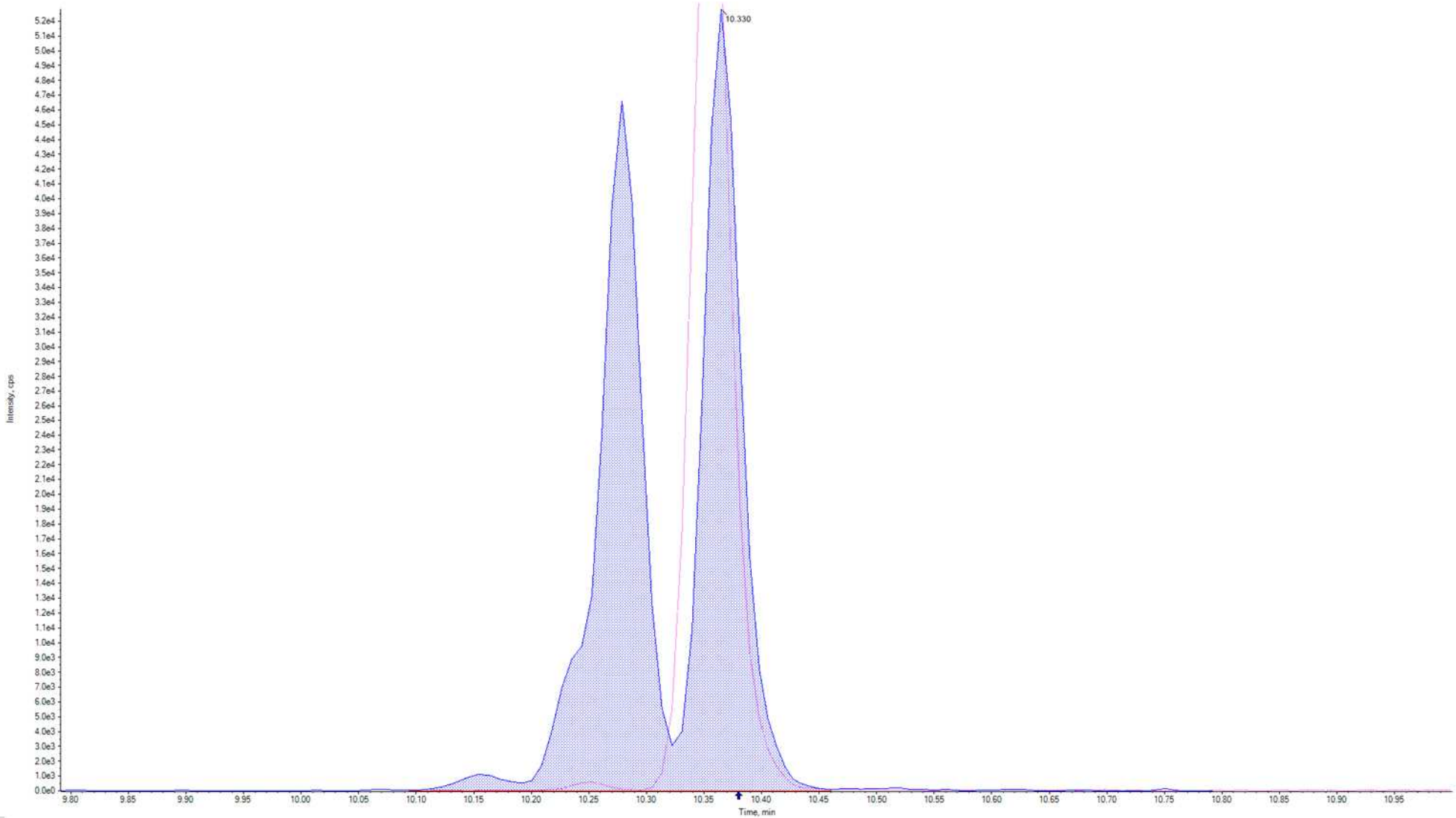
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSA
Sample: WG1972930-8,1633MED S/N:923.1 Points Across peak:47



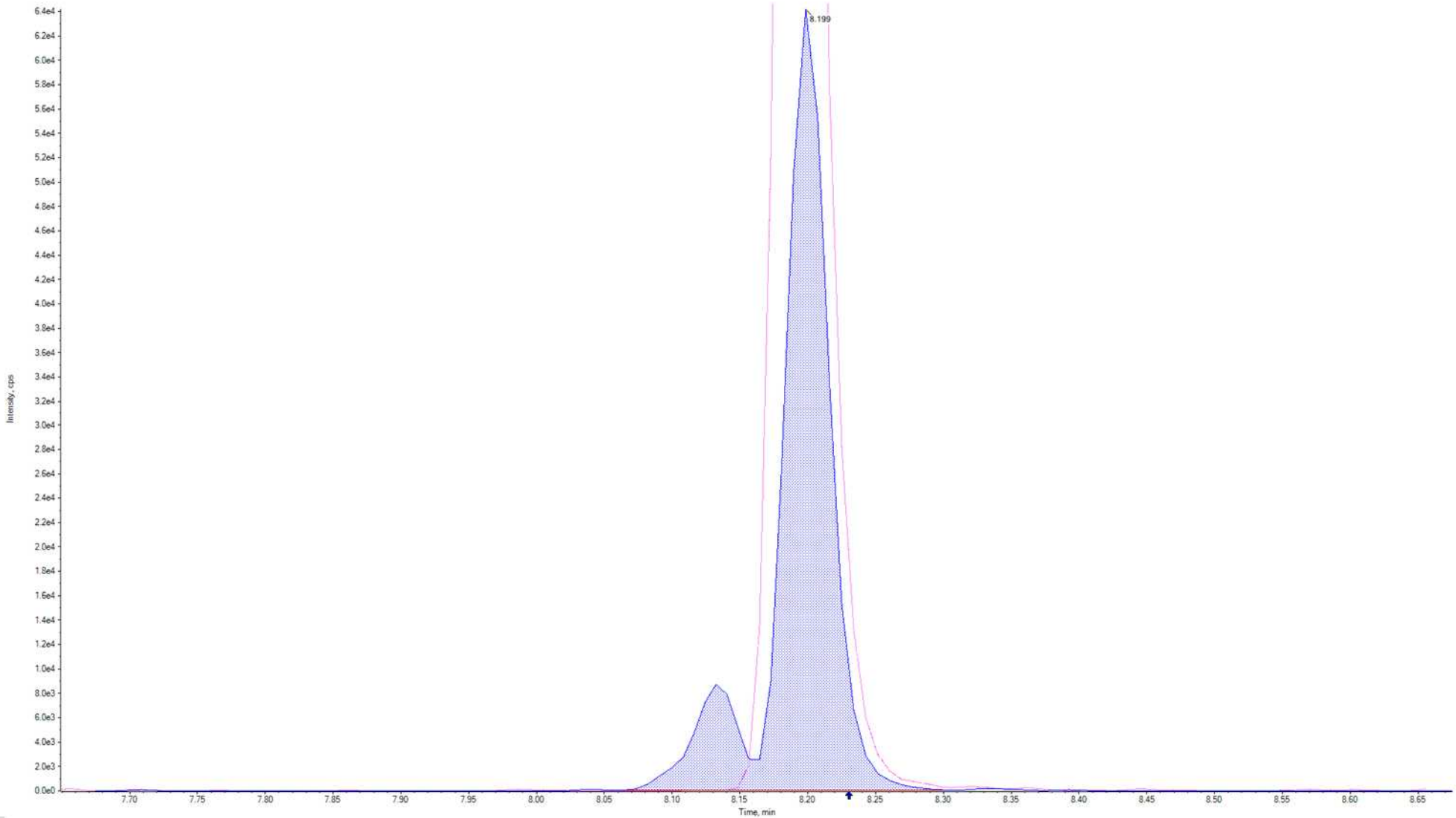
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSA_2
Sample: WG1972930-8,1633MED S/N:12031.8 Points Across peak:45



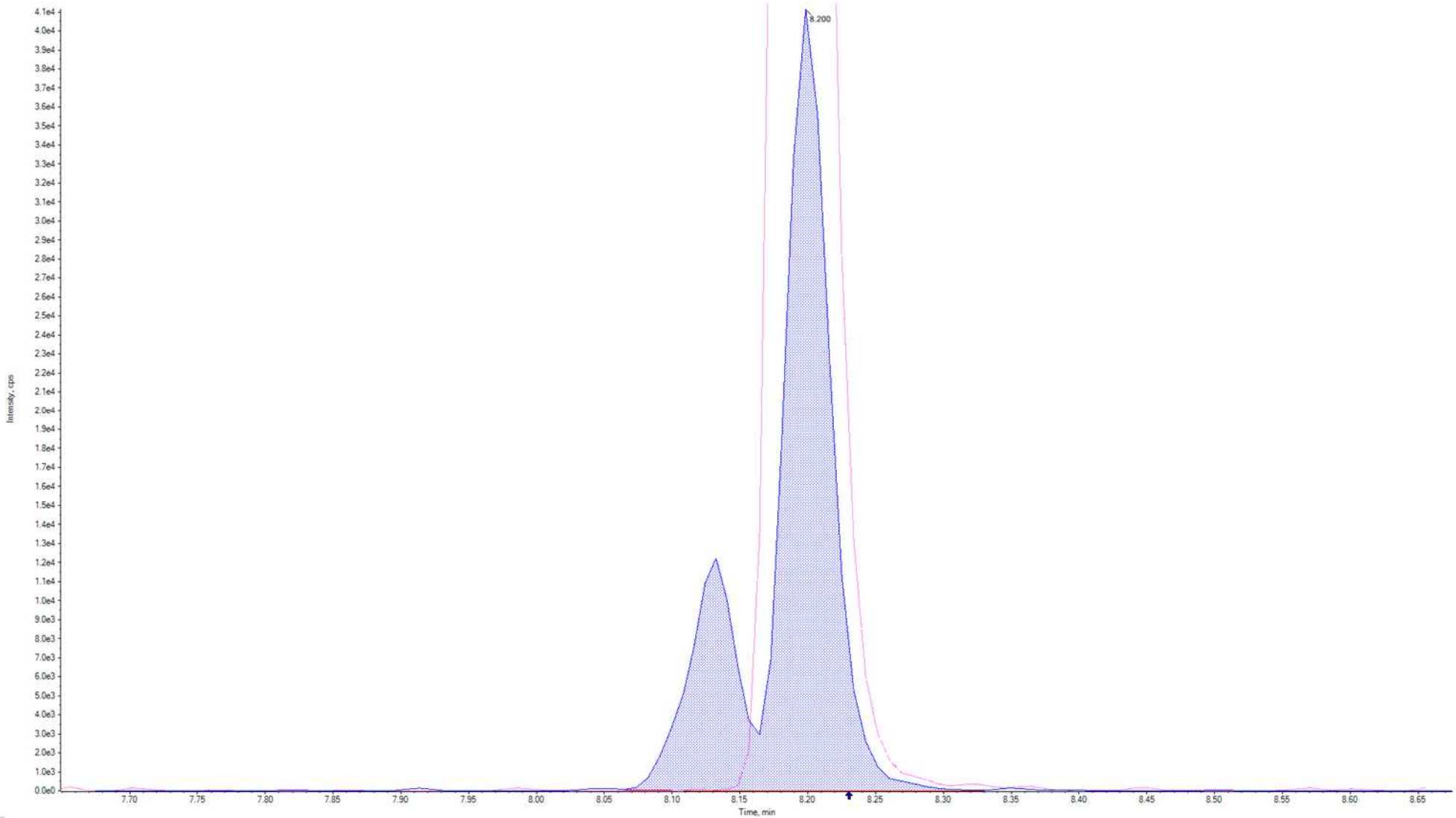
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA
Sample: WG1972930-8,1633MED S/N:735.3 Points Across peak:31



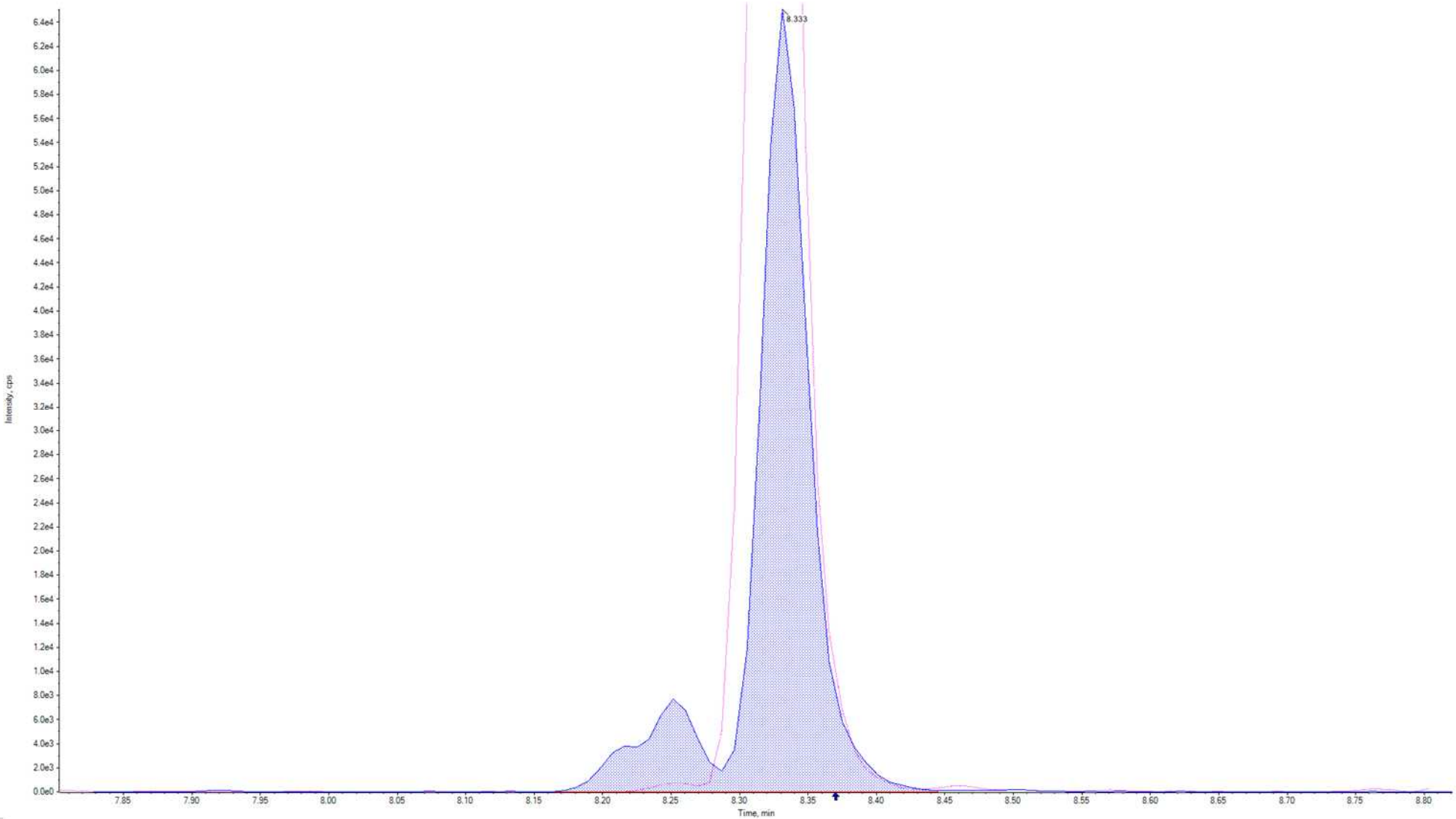
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSAA_2
Sample: WG1972930-8,1633MED S/N:607.6 Points Across peak:32



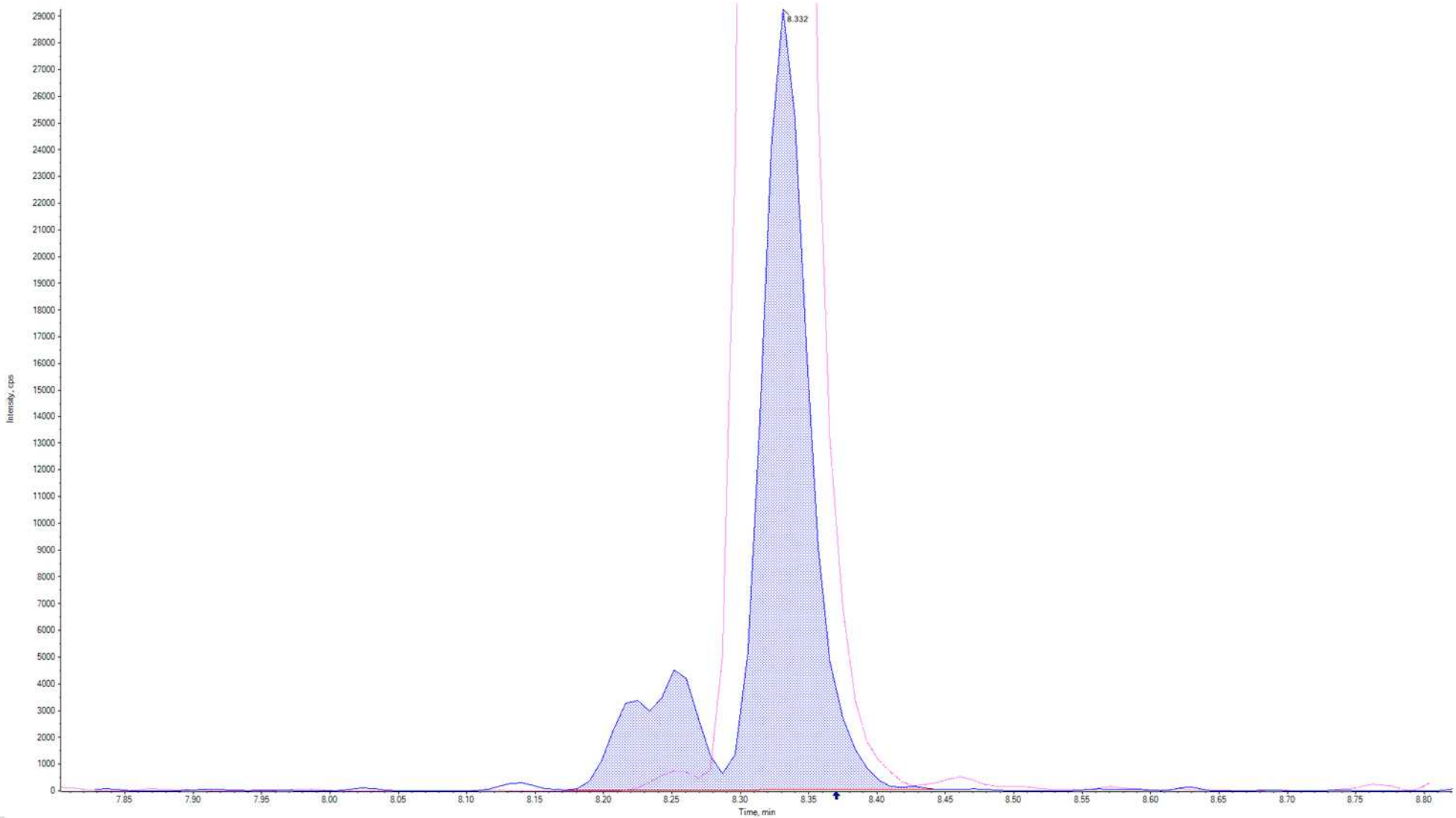
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA
Sample: WG1972930-8,1633MED S/N:732.3 Points Across peak:35



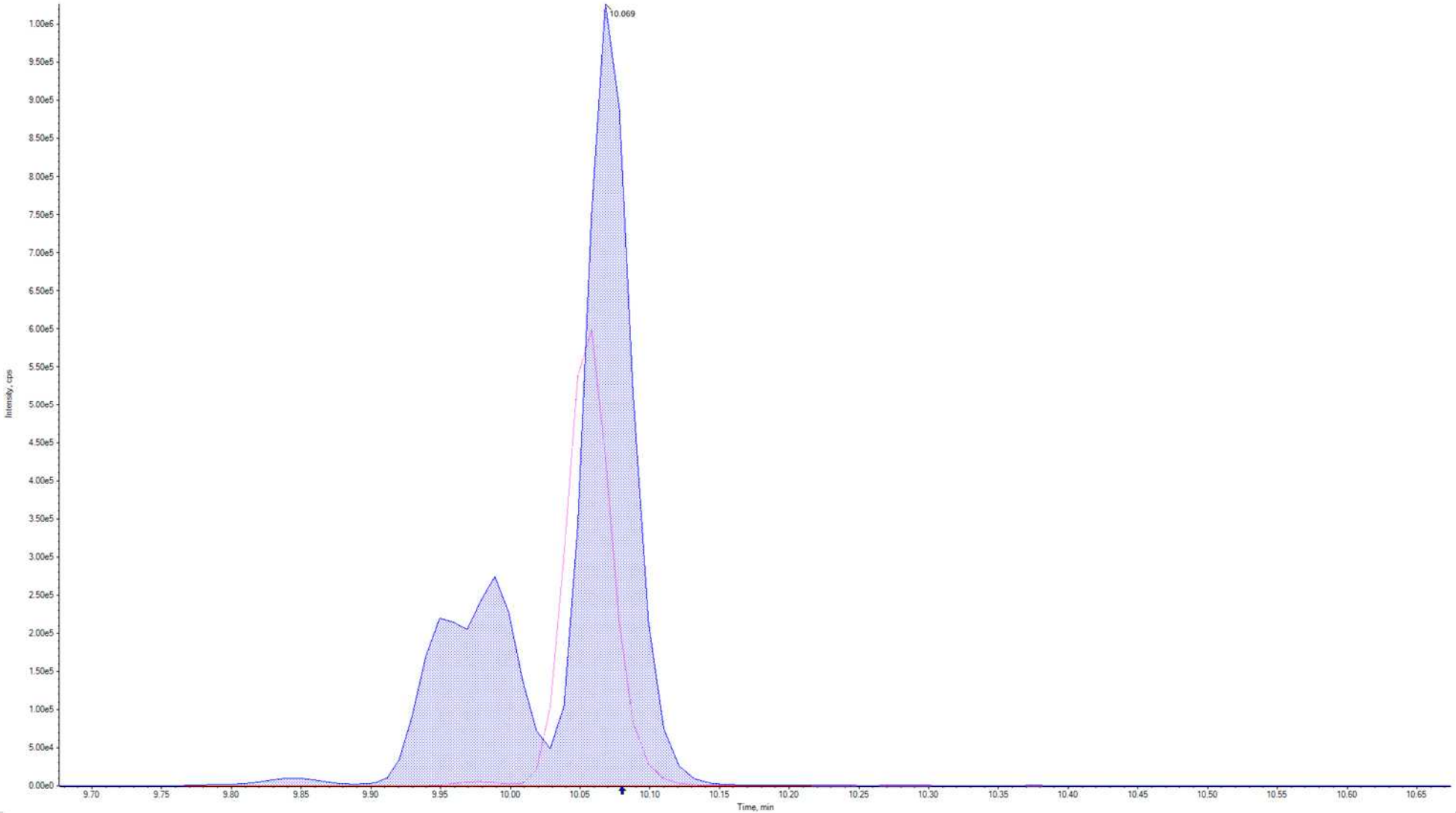
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSAA_2
Sample: WG1972930-8,1633MED S/N:455.2 Points Across peak:32



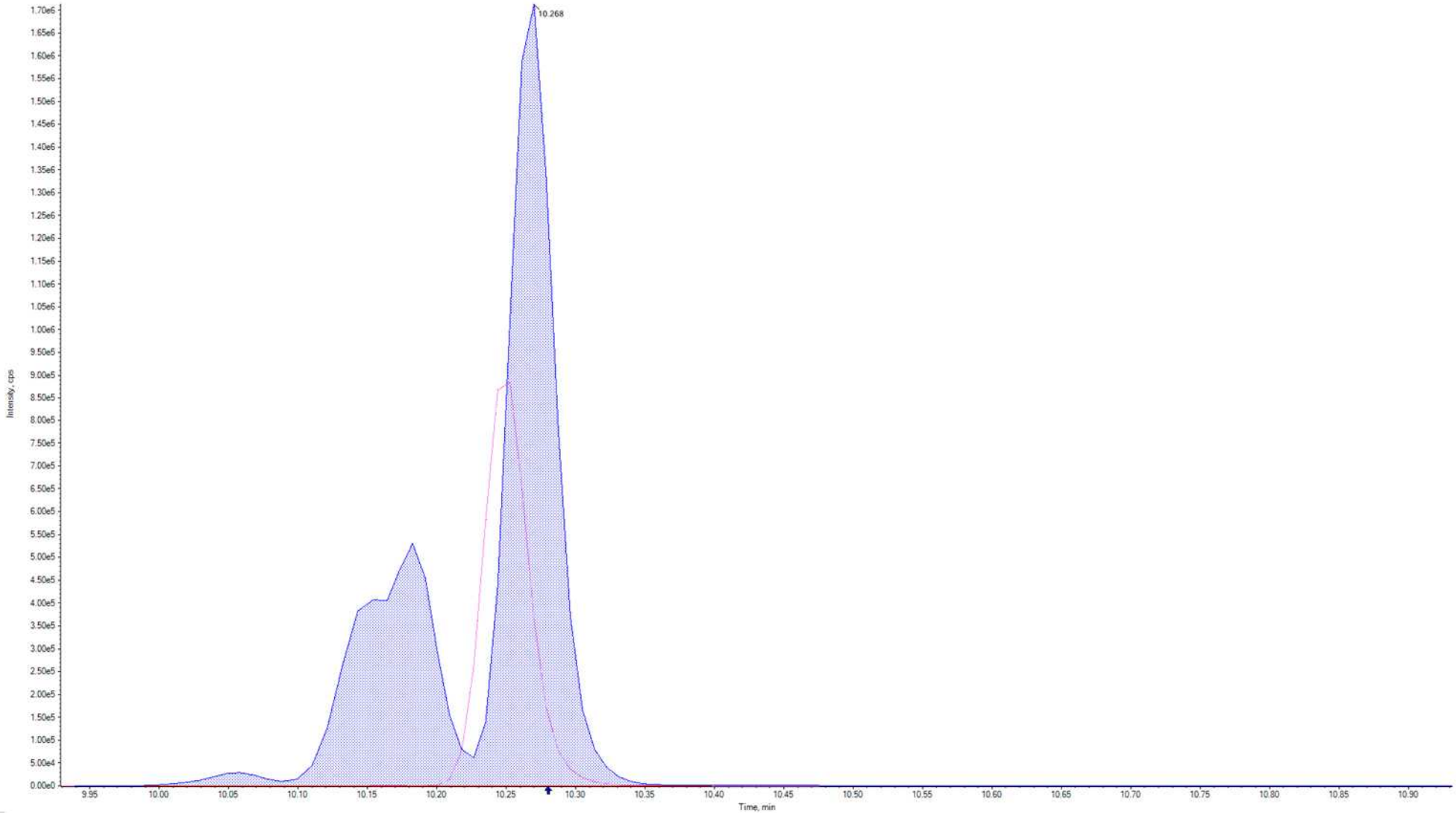
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NMeFOSE
Sample: WG1972930-8,1633MED S/N:4037.0 Points Across peak:51



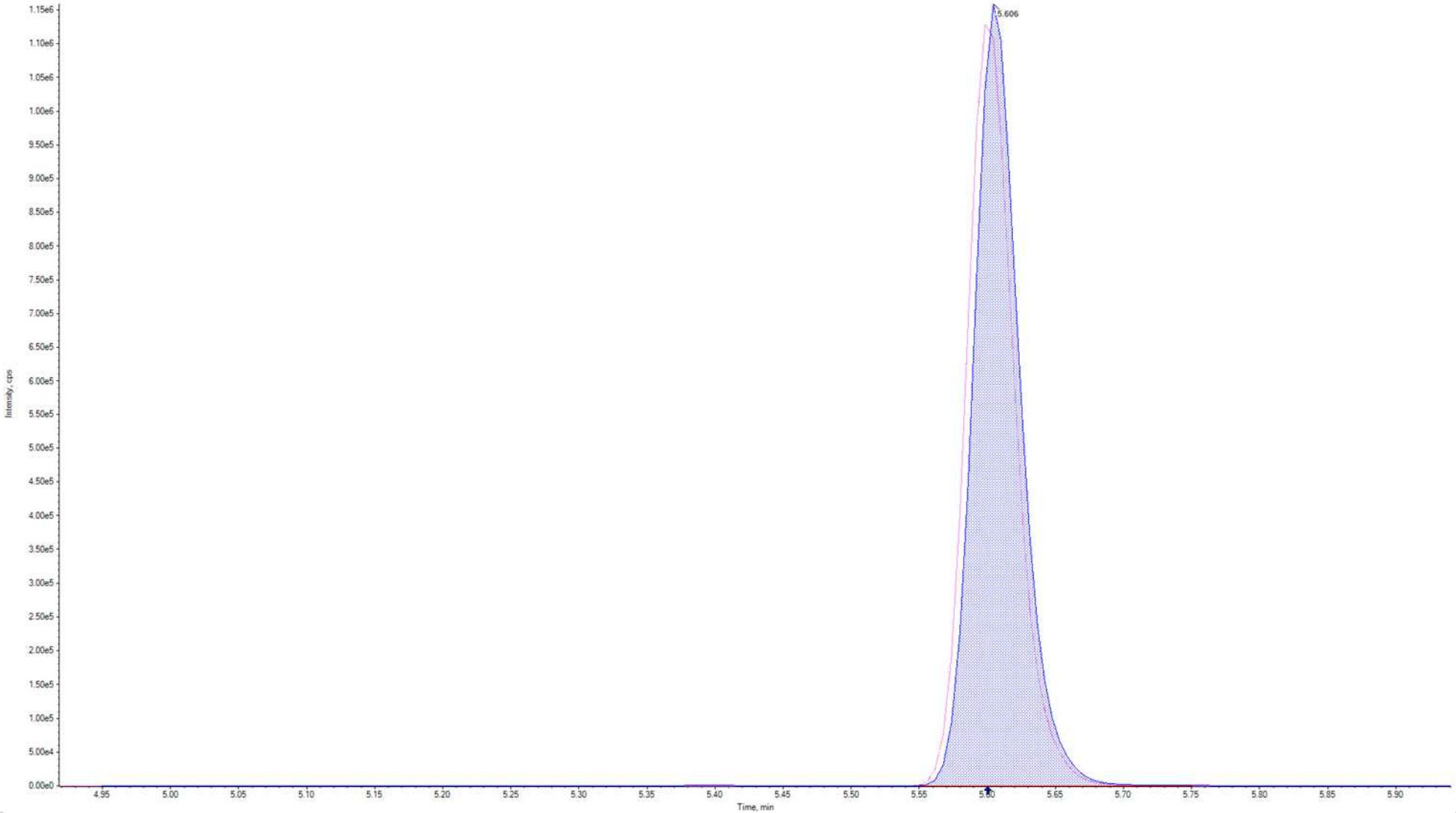
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NEtFOSE
Sample: WG1972930-8,1633MED S/N:3078.2 Points Across peak:48



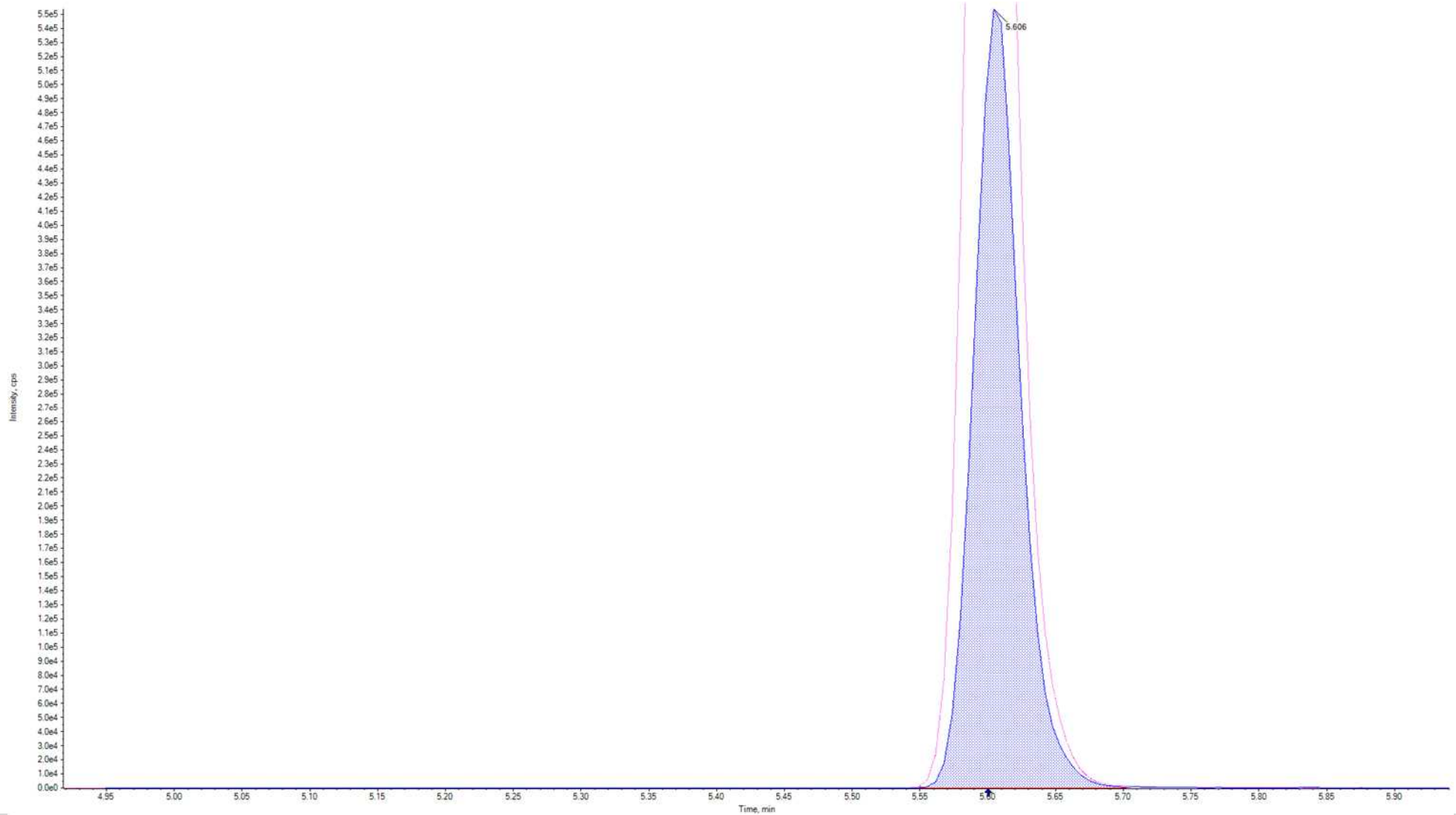
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA
Sample: WG1972930-8,1633MED S/N:11325.6 Points Across peak:50



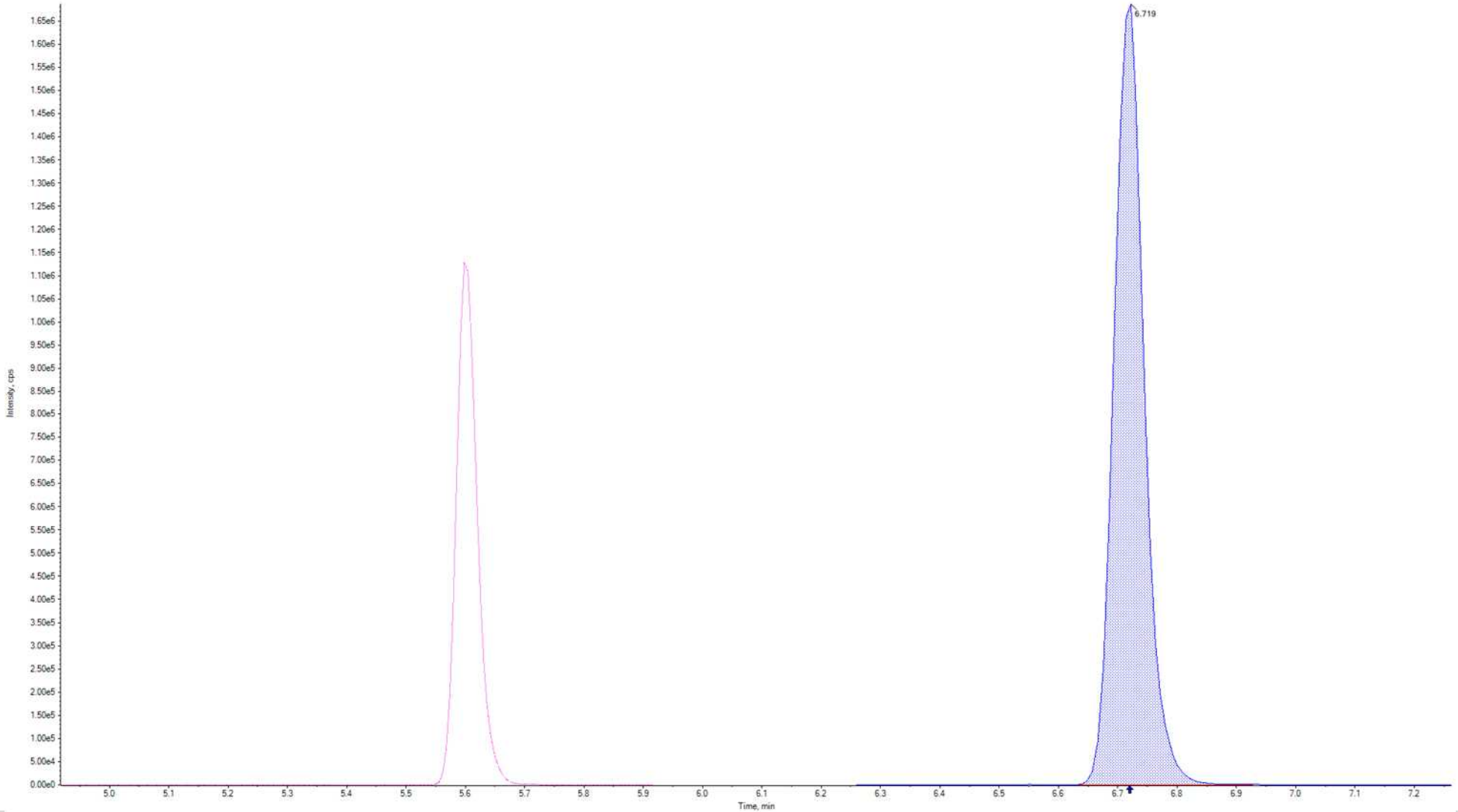
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

HFPO-DA_2
Sample: WG1972930-8,1633MED S/N:4863.5 Points Across peak:33



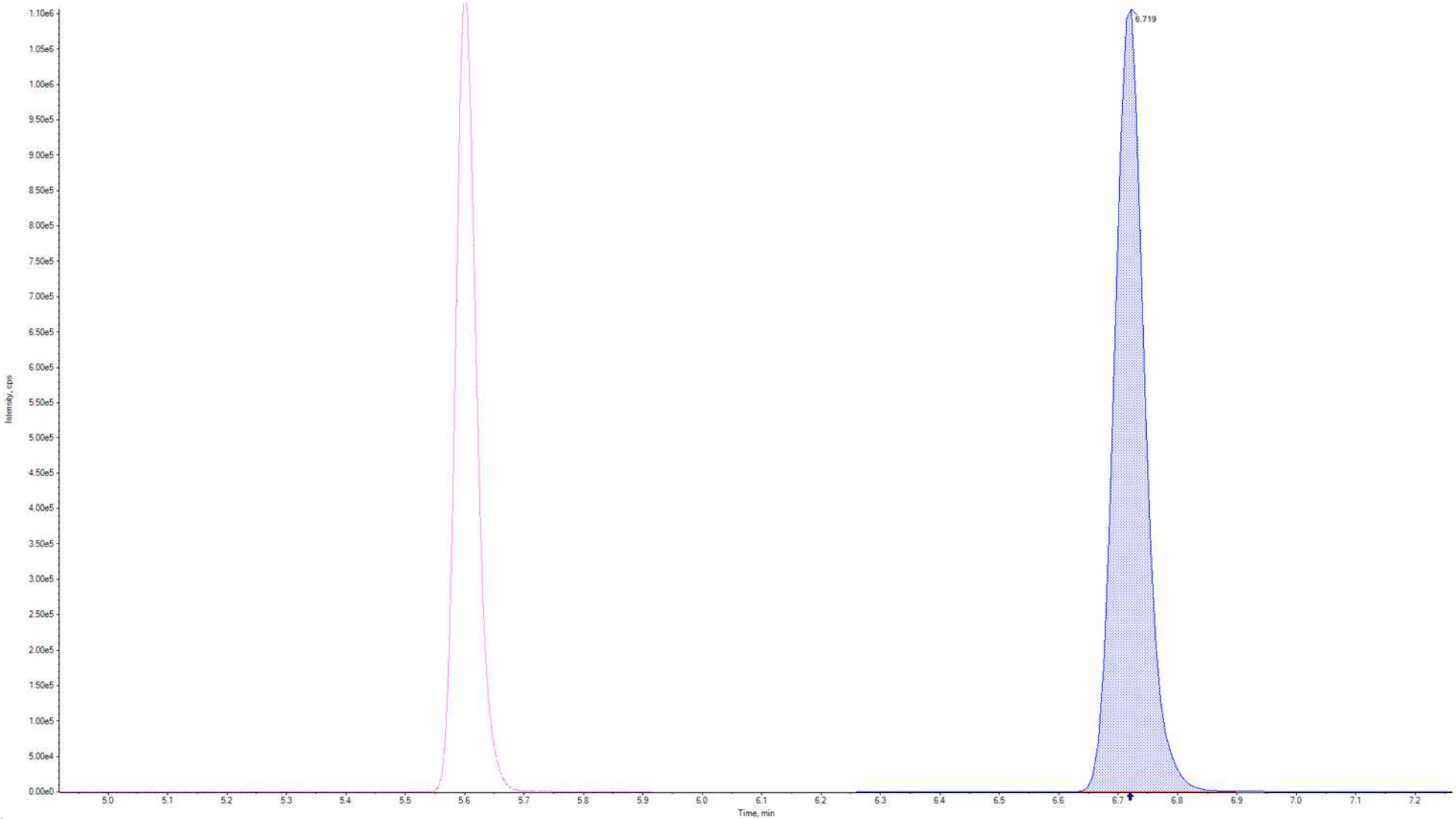
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

ADONA
Sample: WG1972930-8,1633MED S/N:25235.0 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

ADONA_2
Sample: WG1972930-8,1633MED S/N:12764.5 Points Across peak:38

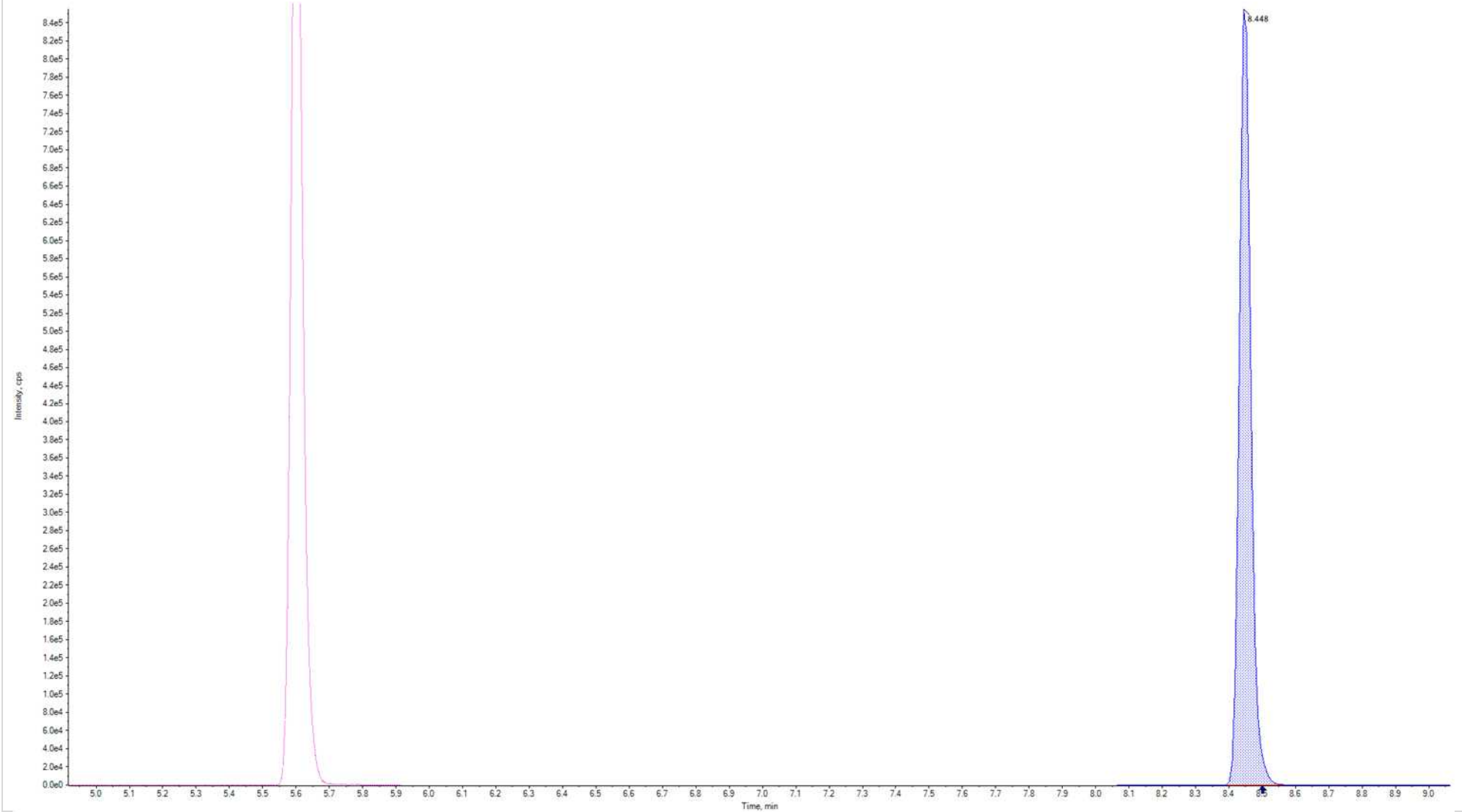


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS
Sample: WG1972930-8,1633MED S/N:5596328.6 Points Across peak:46

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

9Cl-PF3ONS_2
Sample: WG1972930-8,1633MED S/N:4660.7 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

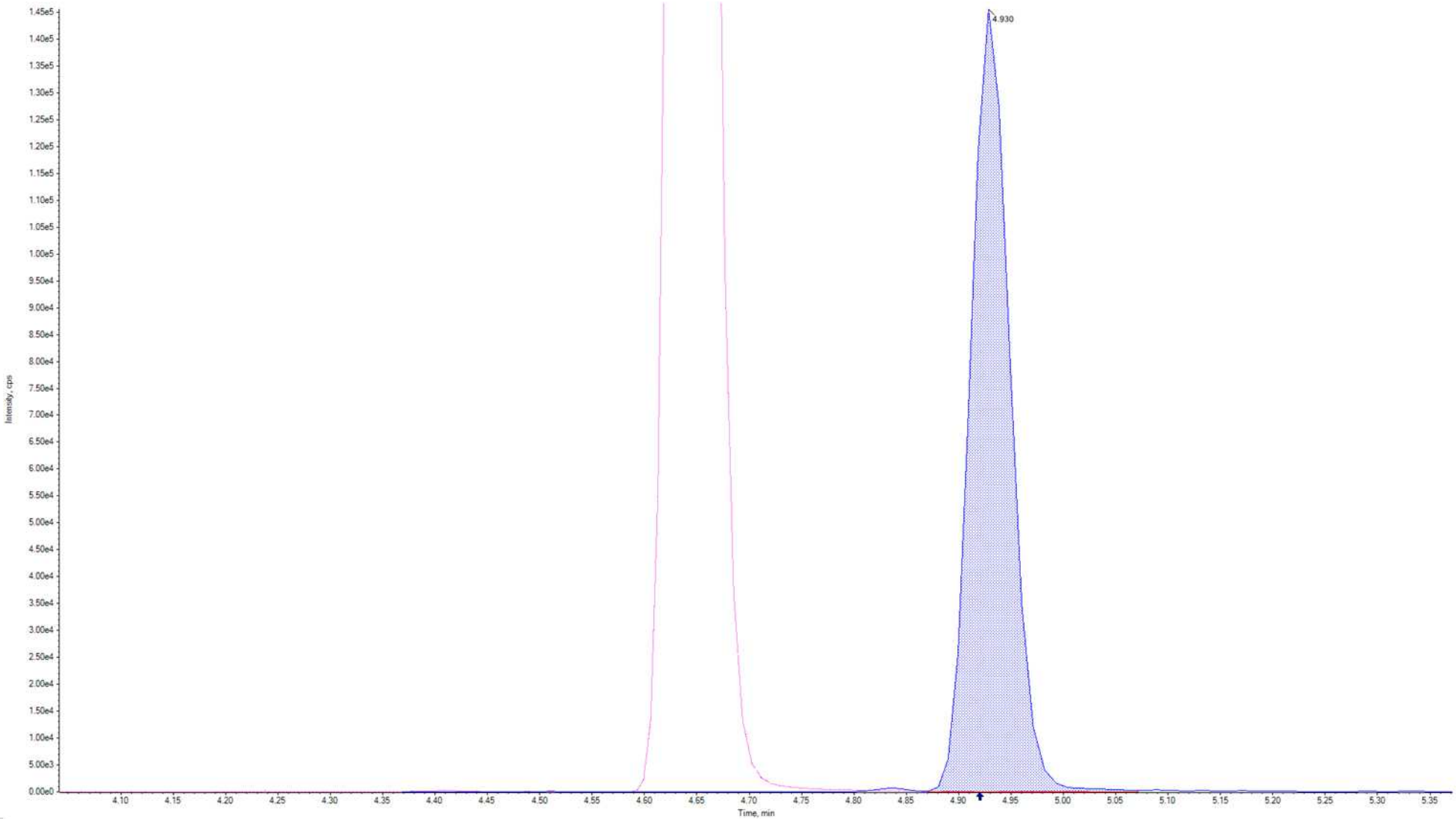
11Cl-PF3OUdS
Sample: WG1972930-8,1633MED S/N:148168.3 Points Across peak:51

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

11Cl-PF3OUdS_2
Sample: WG1972930-8,1633MED S/N:86260.0 Points Across peak:45

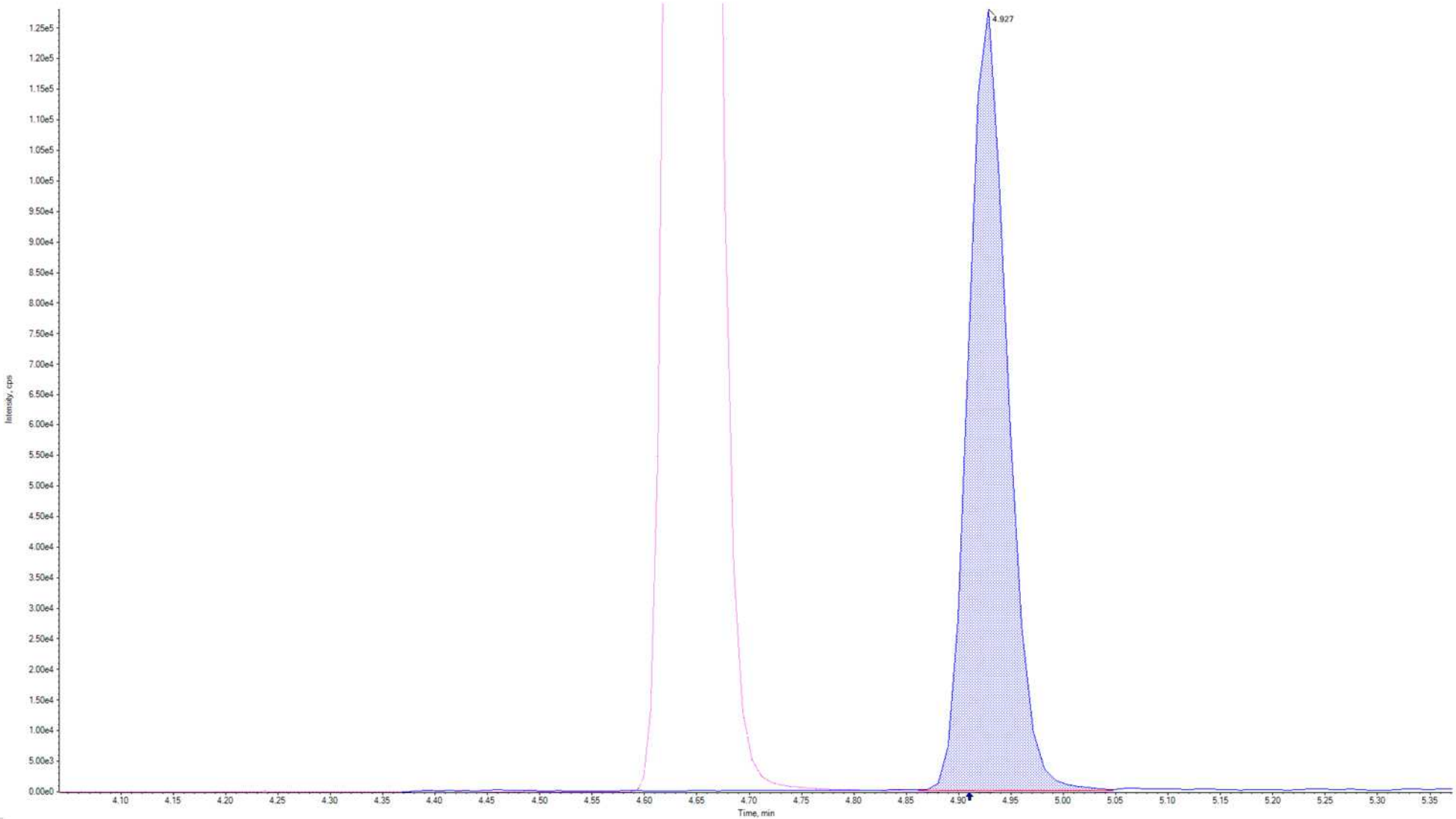
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

3:3FTCA
Sample: WG1972930-8,1633MED S/N:37525224.3 Points Across peak:21



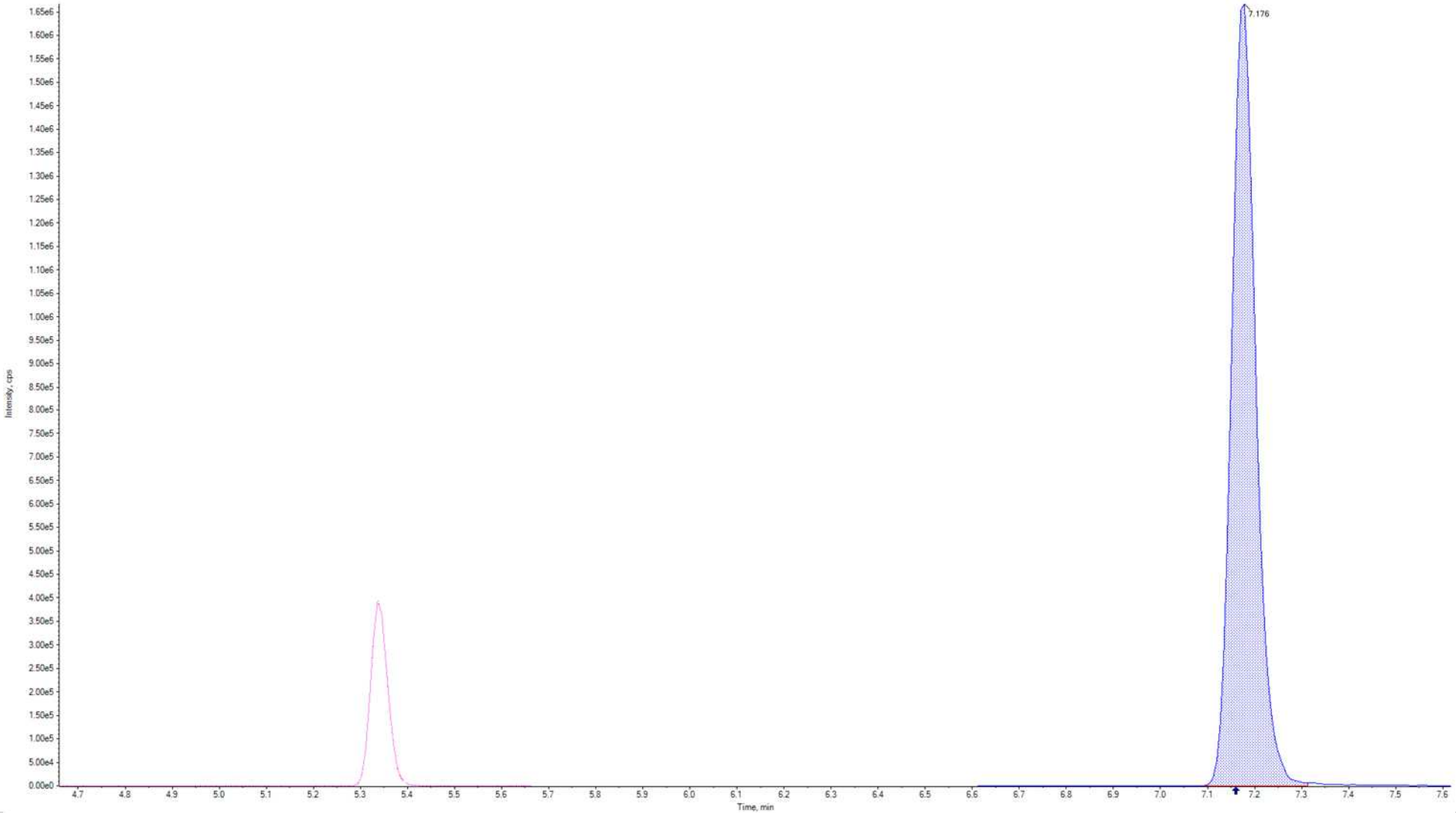
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

3:3FTCA_2
Sample: WG1972930-8,1633MED S/N:2013.9 Points Across peak:19



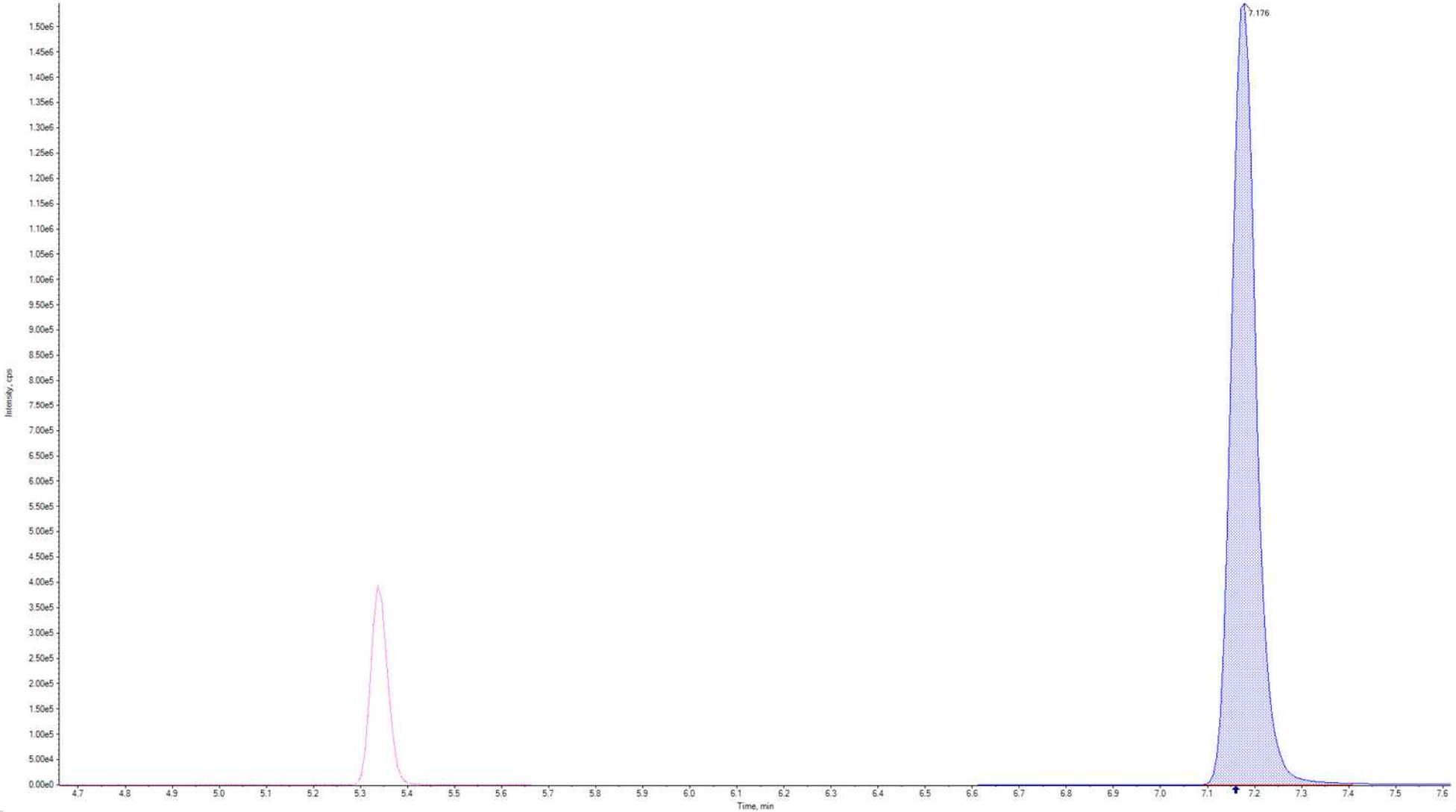
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA
Sample: WG1972930-8,1633MED S/N:76652.0 Points Across peak:37



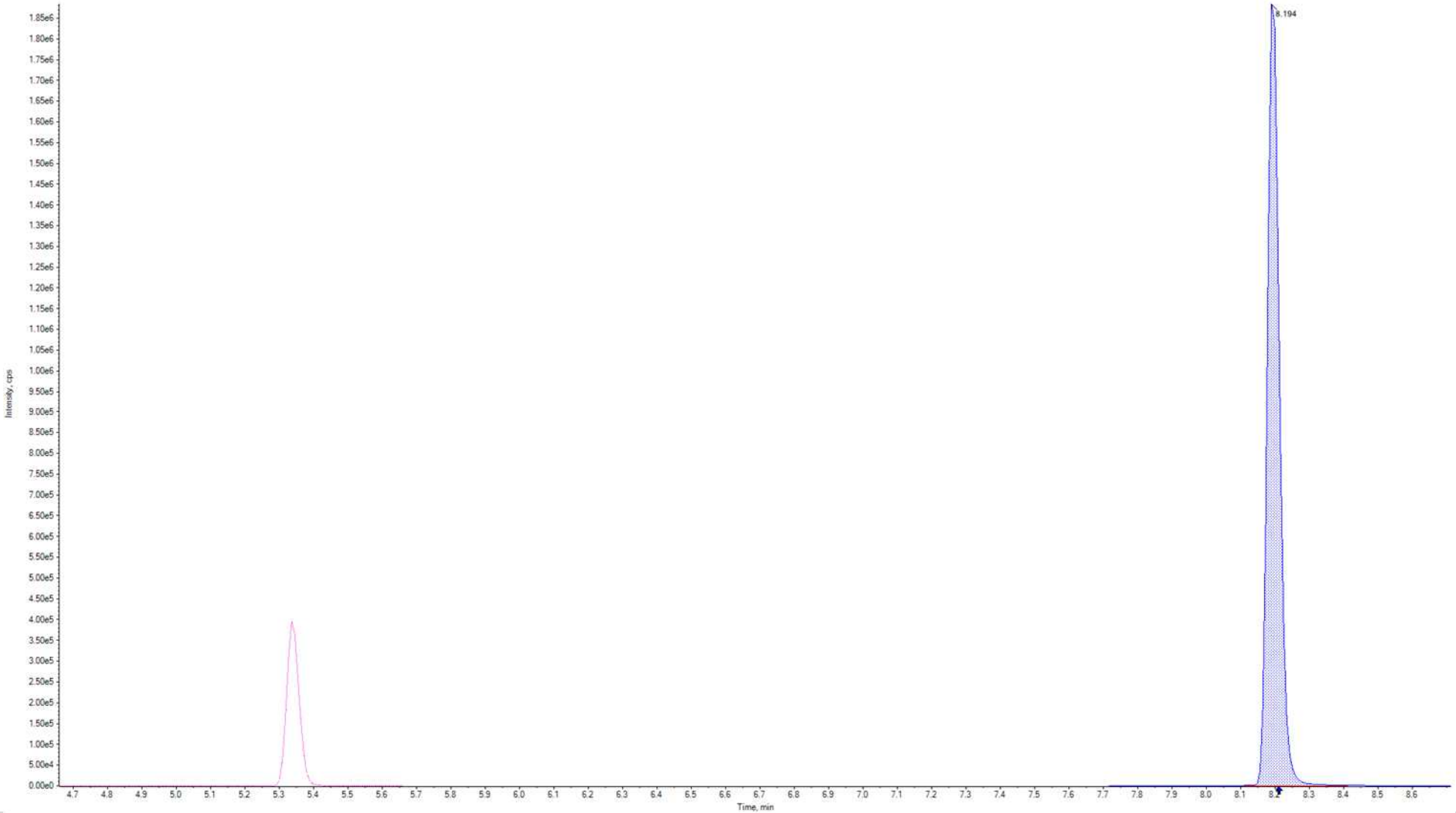
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

5:3FTCA_2
Sample: WG1972930-8,1633MED S/N:16249.9 Points Across peak:56



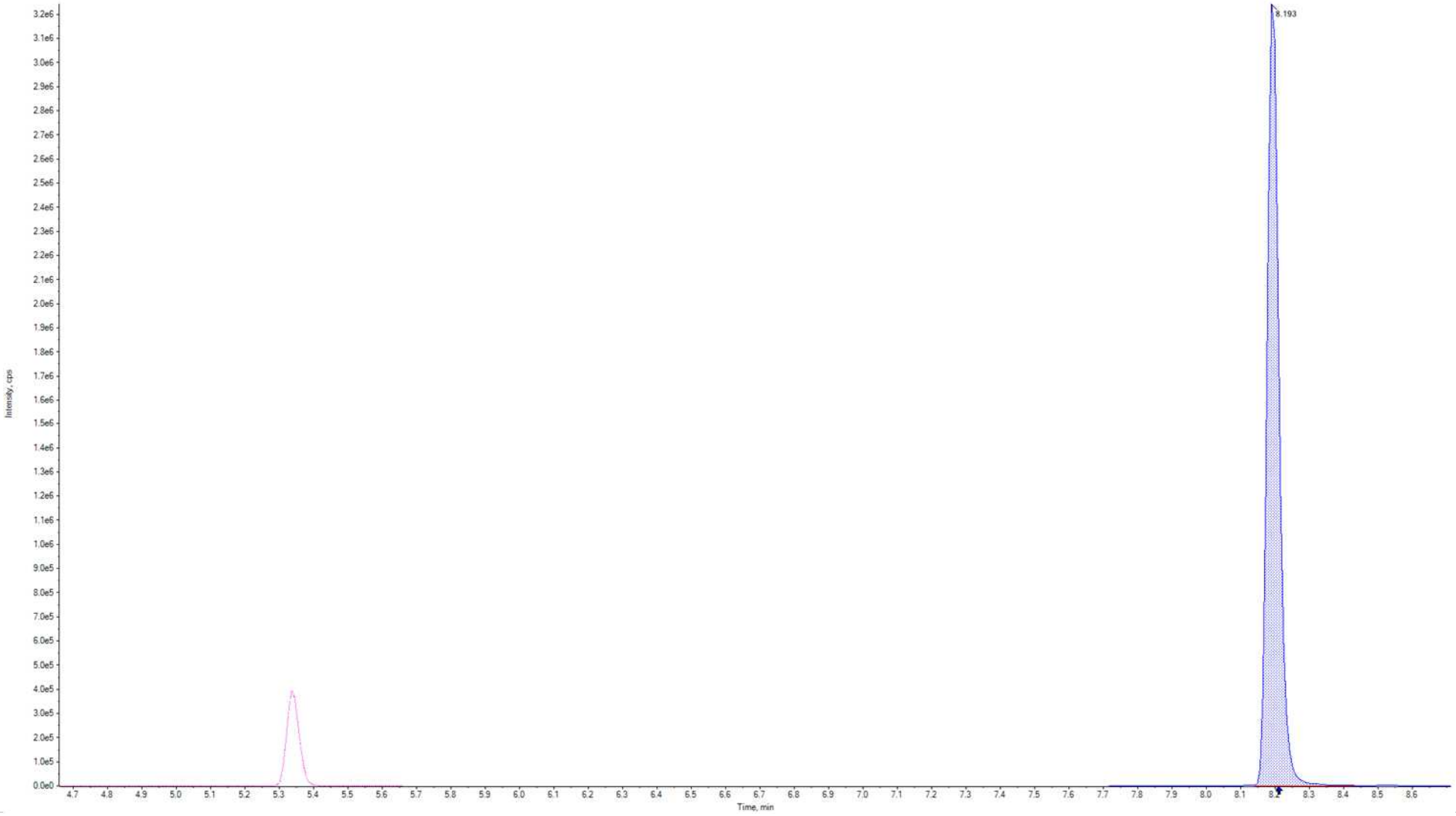
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA
Sample: WG1972930-8,1633MED S/N:16314.9 Points Across peak:41



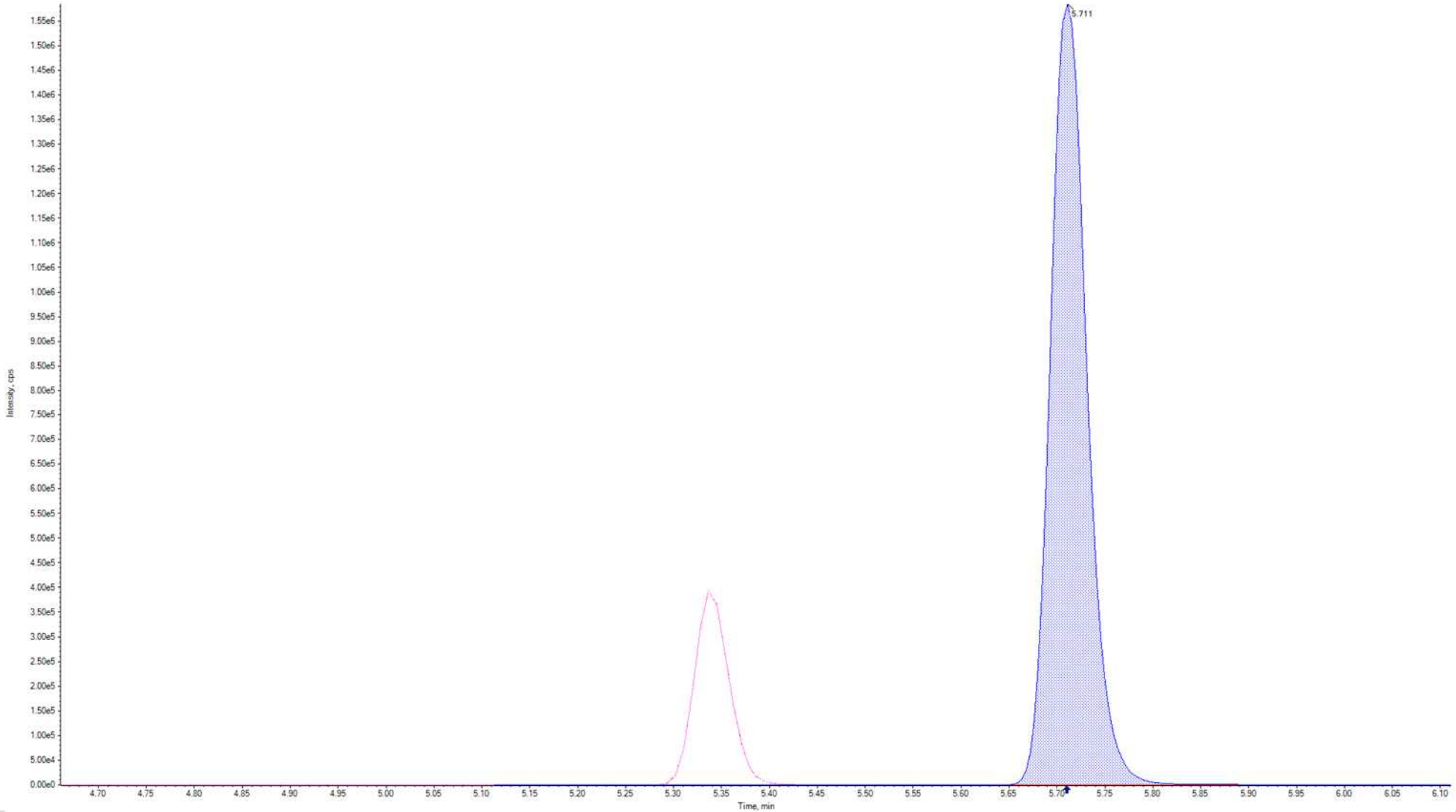
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

7:3FTCA_2
Sample: WG1972930-8,1633MED S/N:20650.2 Points Across peak:39



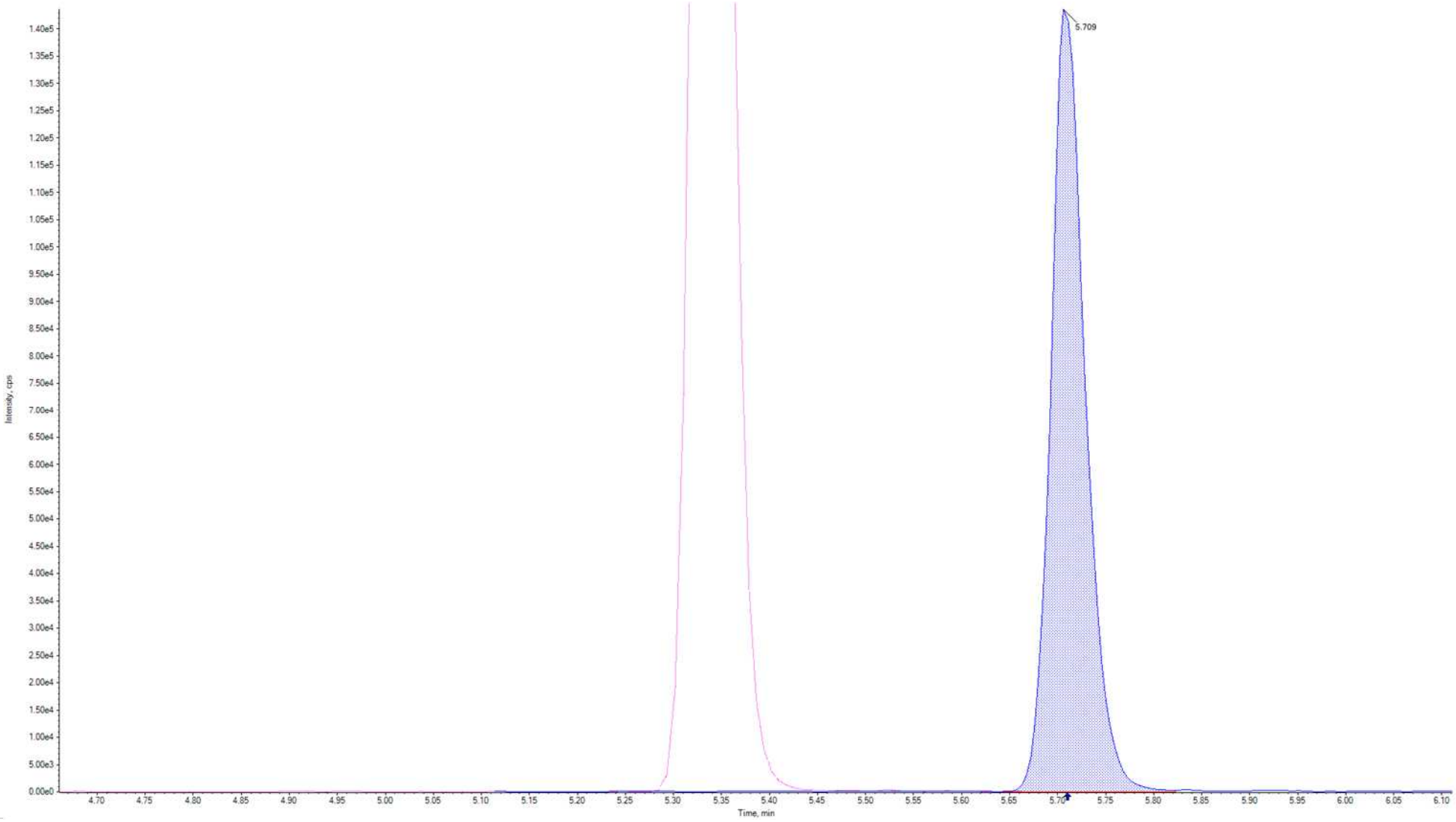
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA
Sample: WG1972930-8,1633MED S/N:11424.2 Points Across peak:53



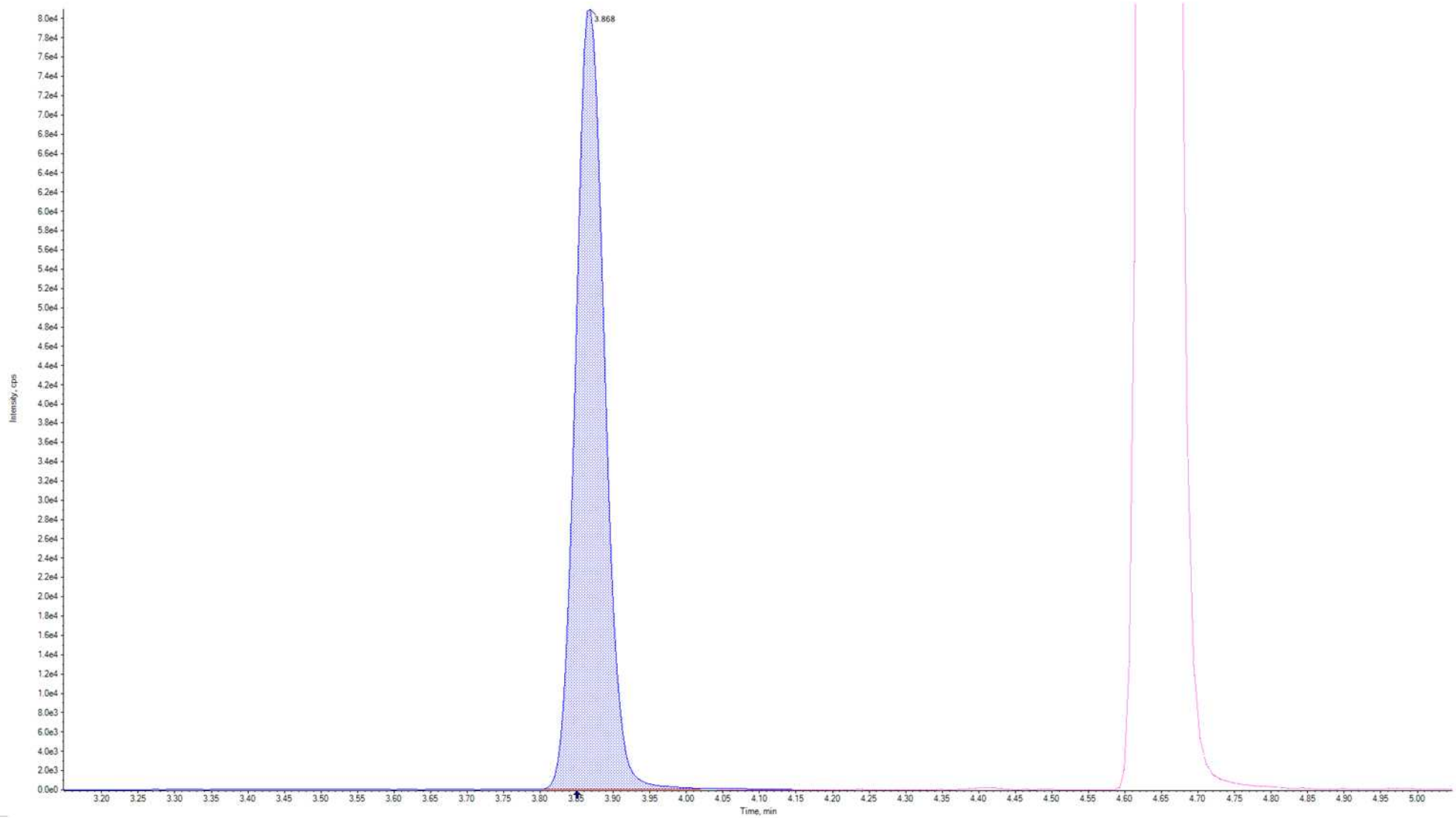
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFEESA_2
Sample: WG1972930-8,1633MED S/N:3681.0 Points Across peak:40



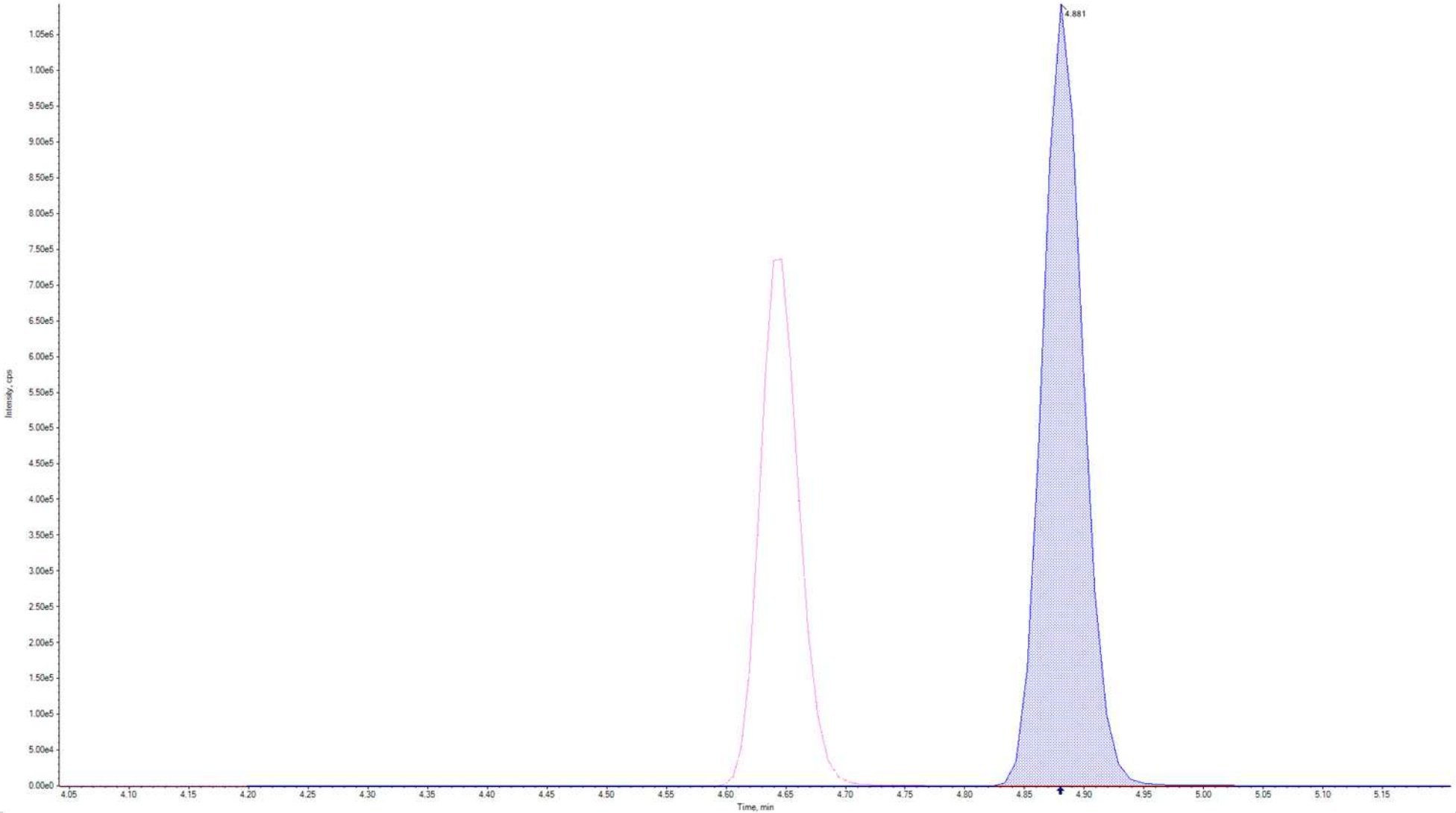
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFMPA
Sample: WG1972930-8,1633MED S/N:4952.0 Points Across peak:61



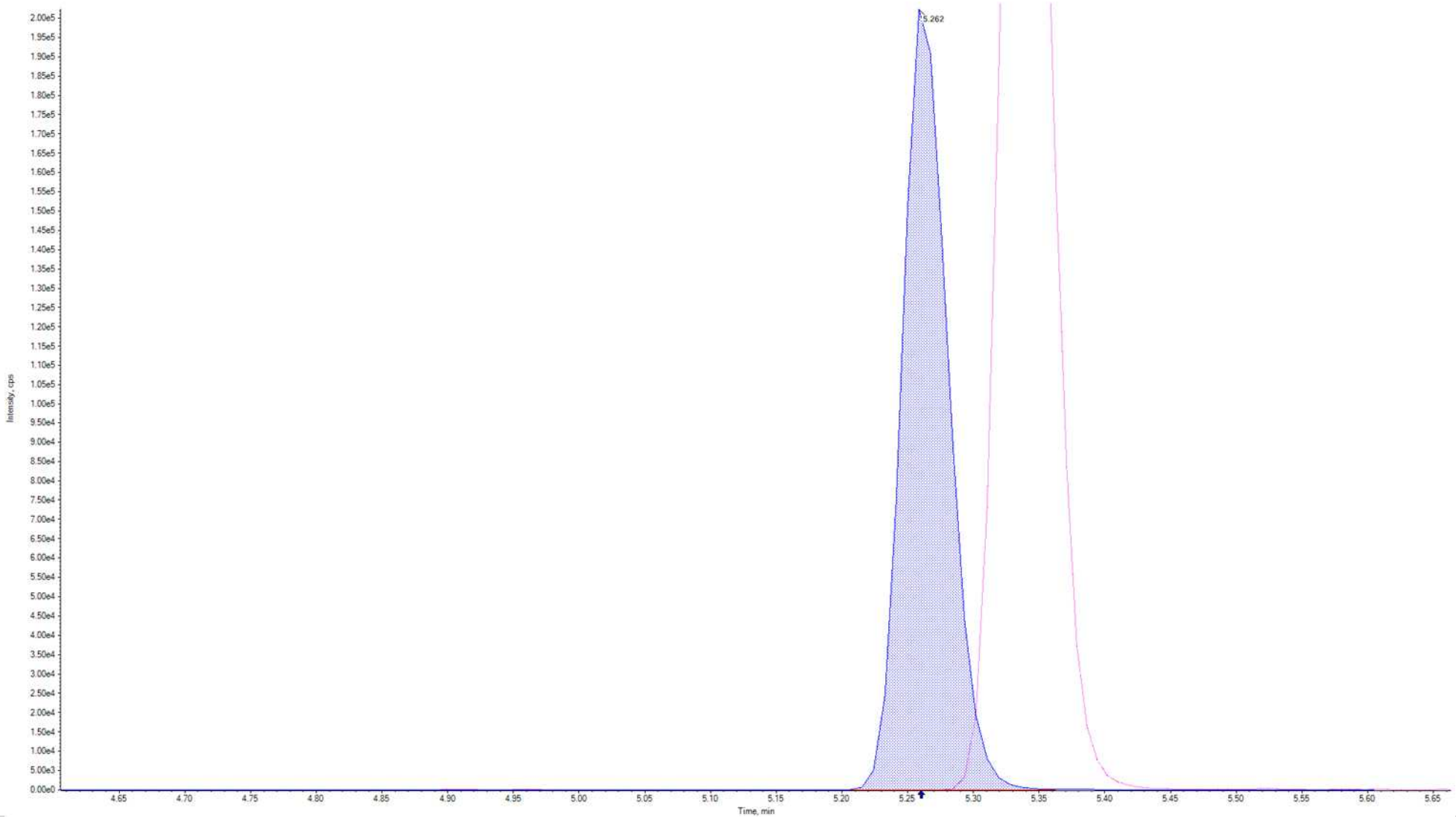
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

PFMBA
Sample: WG1972930-8,1633MED S/N:23299.9 Points Across peak:32



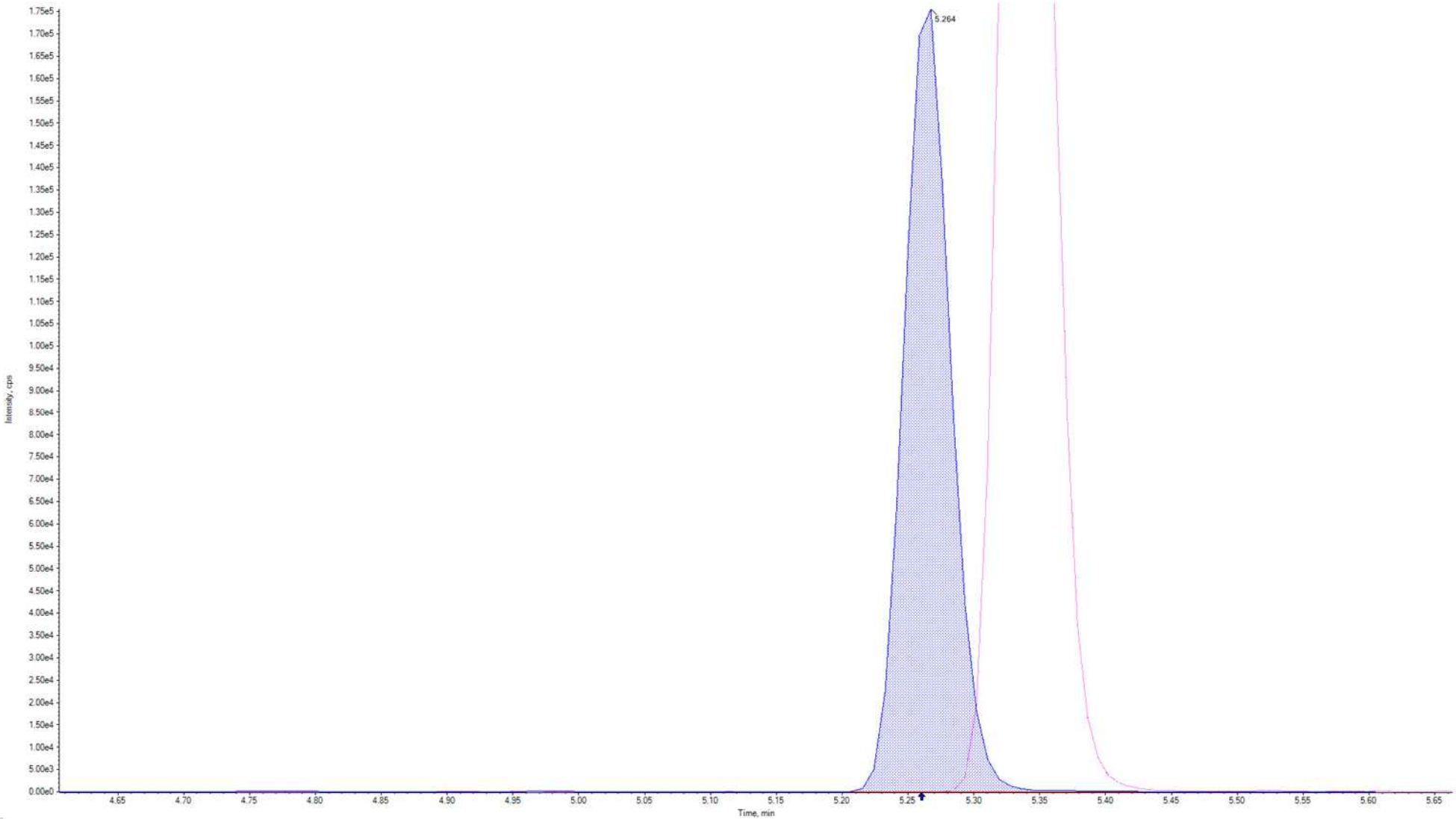
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NFDHA
Sample: WG1972930-8,1633MED S/N:2555.8 Points Across peak:22



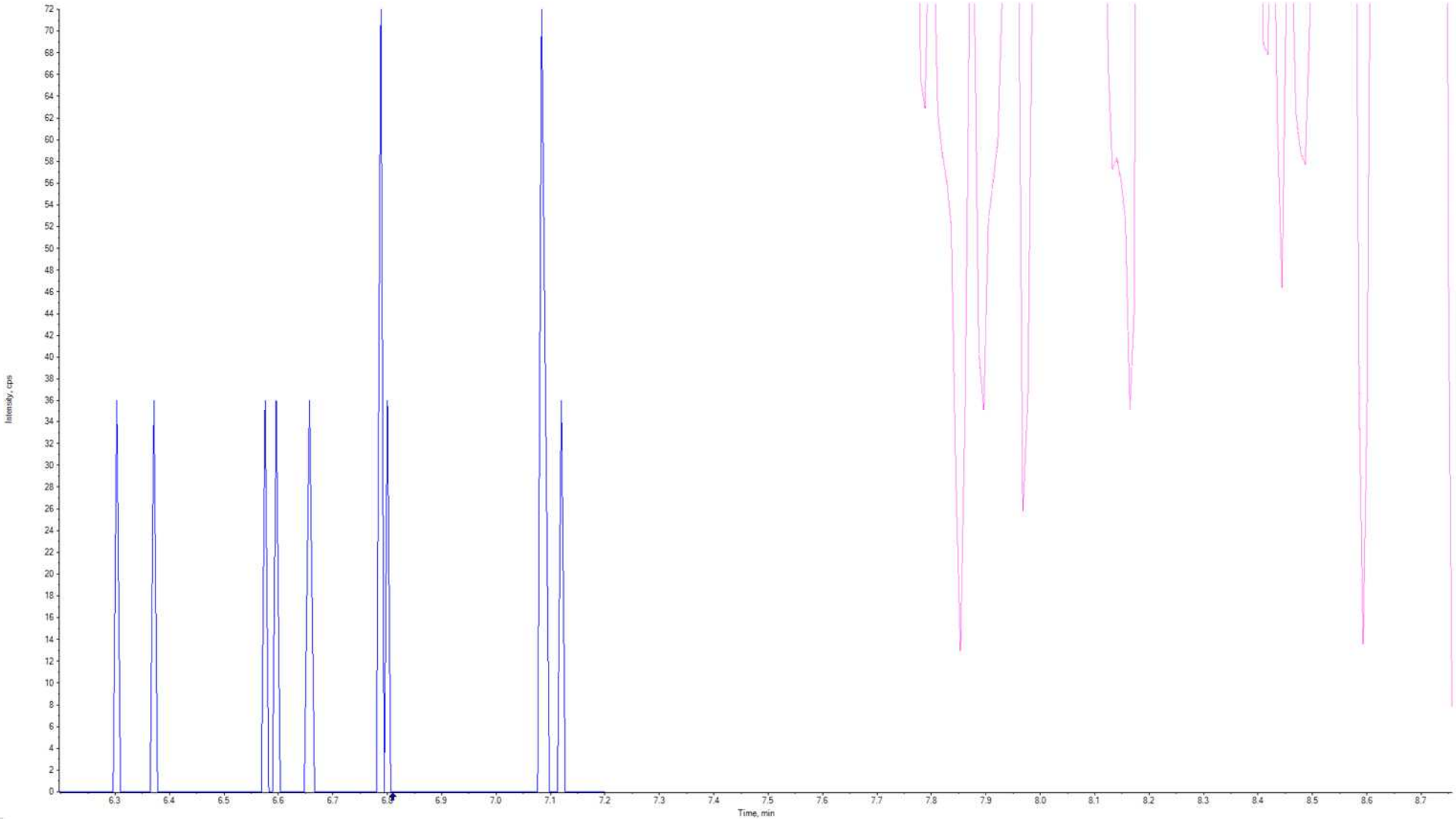
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

NFDHA_2
Sample: WG1972930-8,1633MED S/N:174501.4 Points Across peak:35



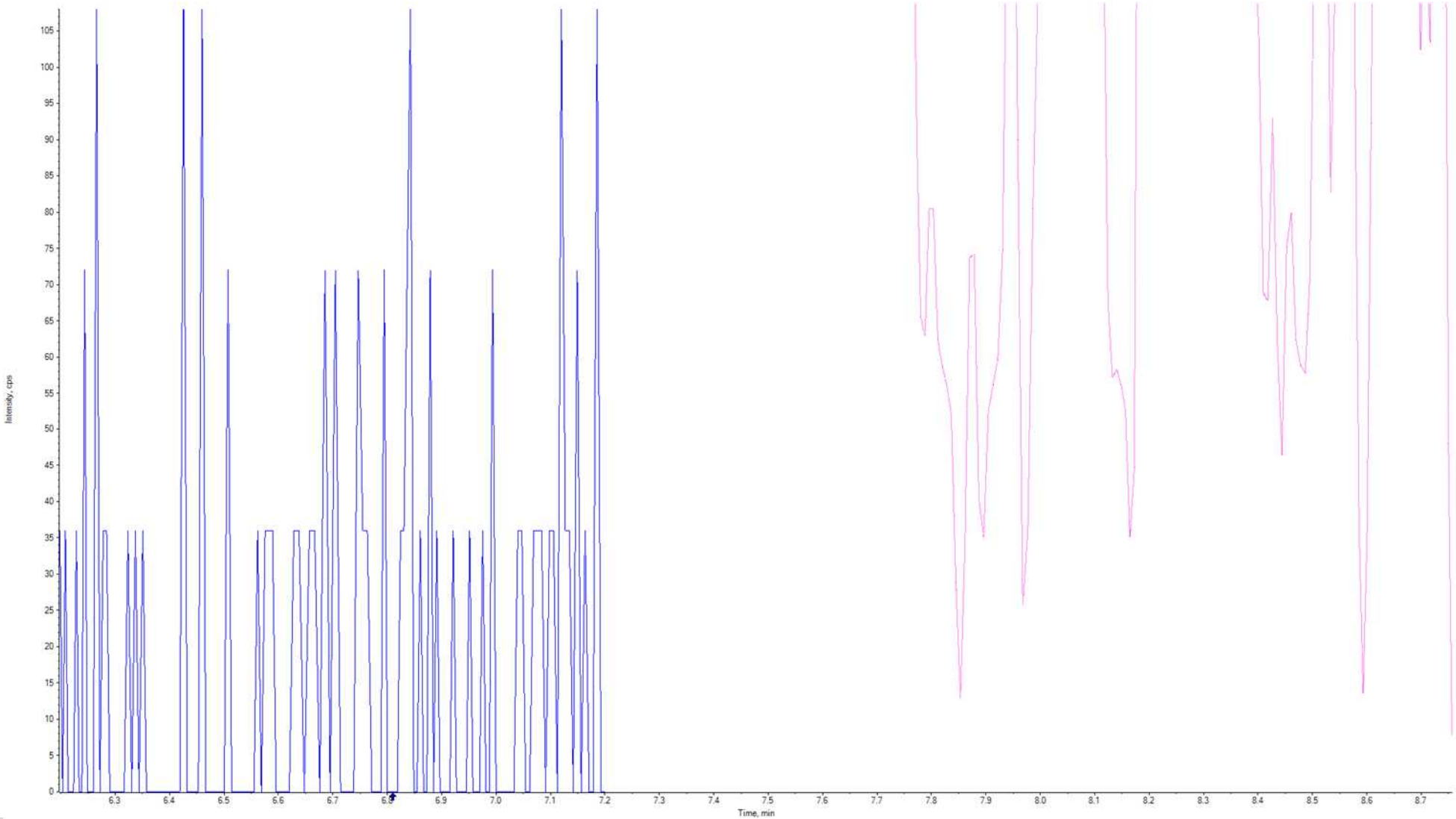
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

TDCA
Sample: WG1972930-8,1633MED S/N:N/A Points Across peak:N/A

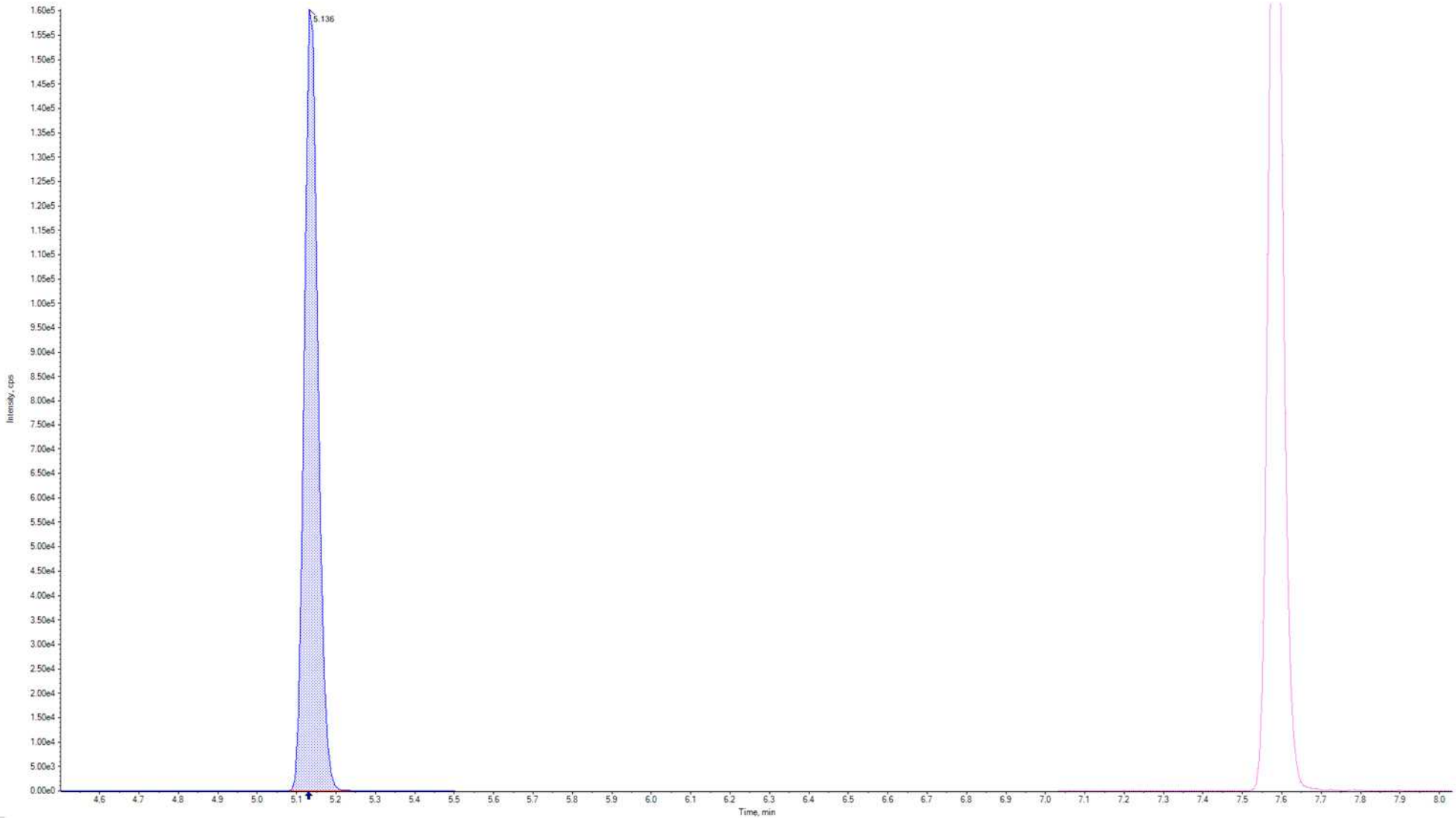


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

TDCA_2
Sample: WG1972930-8,1633MED S/N:N/A Points Across peak:N/A

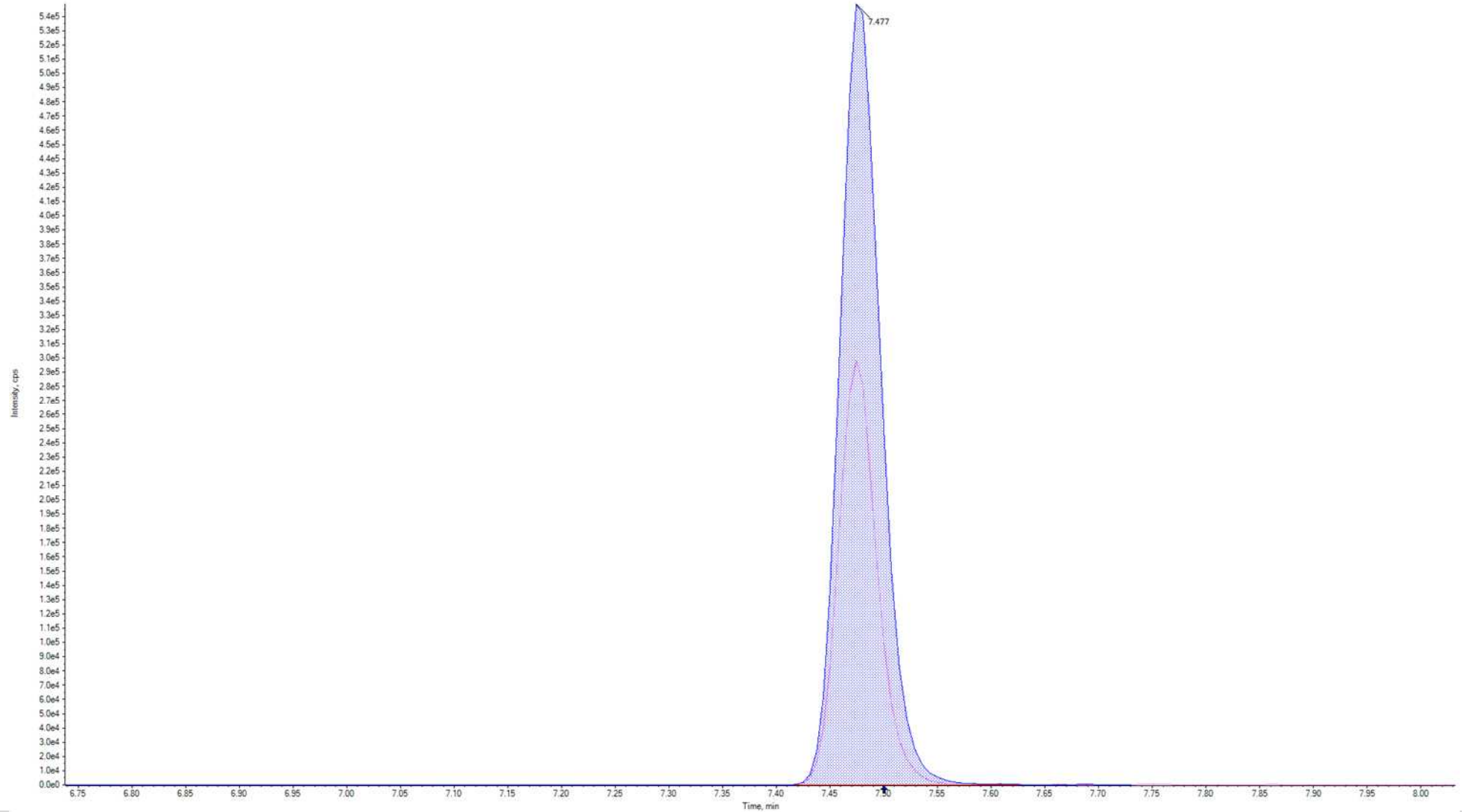


13C2D4-4:2FTS
Sample: WG1972930-8,1633MED S/N:5085.3 Points Across peak:26



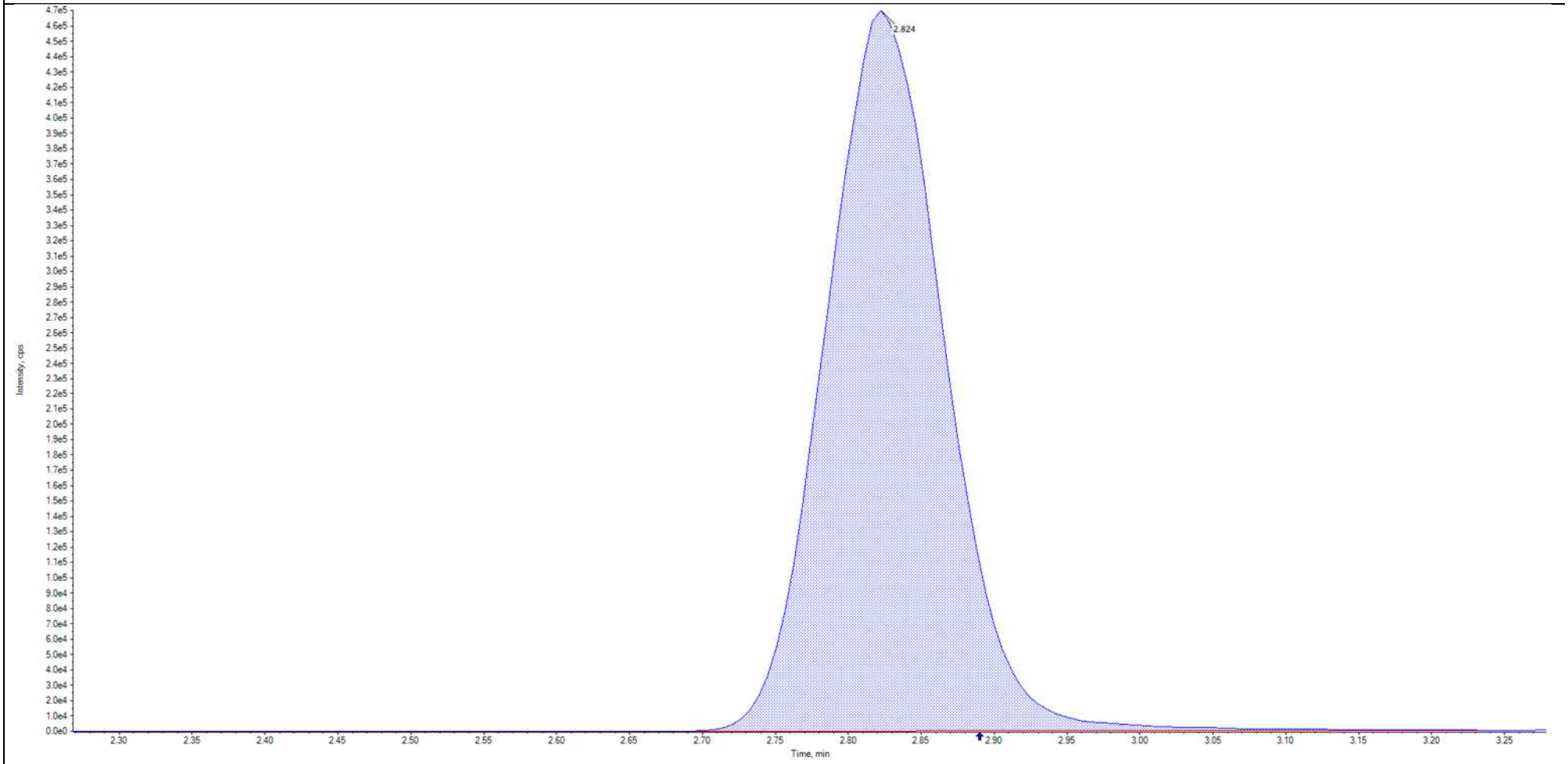
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

13C2-PFOA
Sample: WG1972930-8,1633MED S/N:7778.0 Points Across peak:38



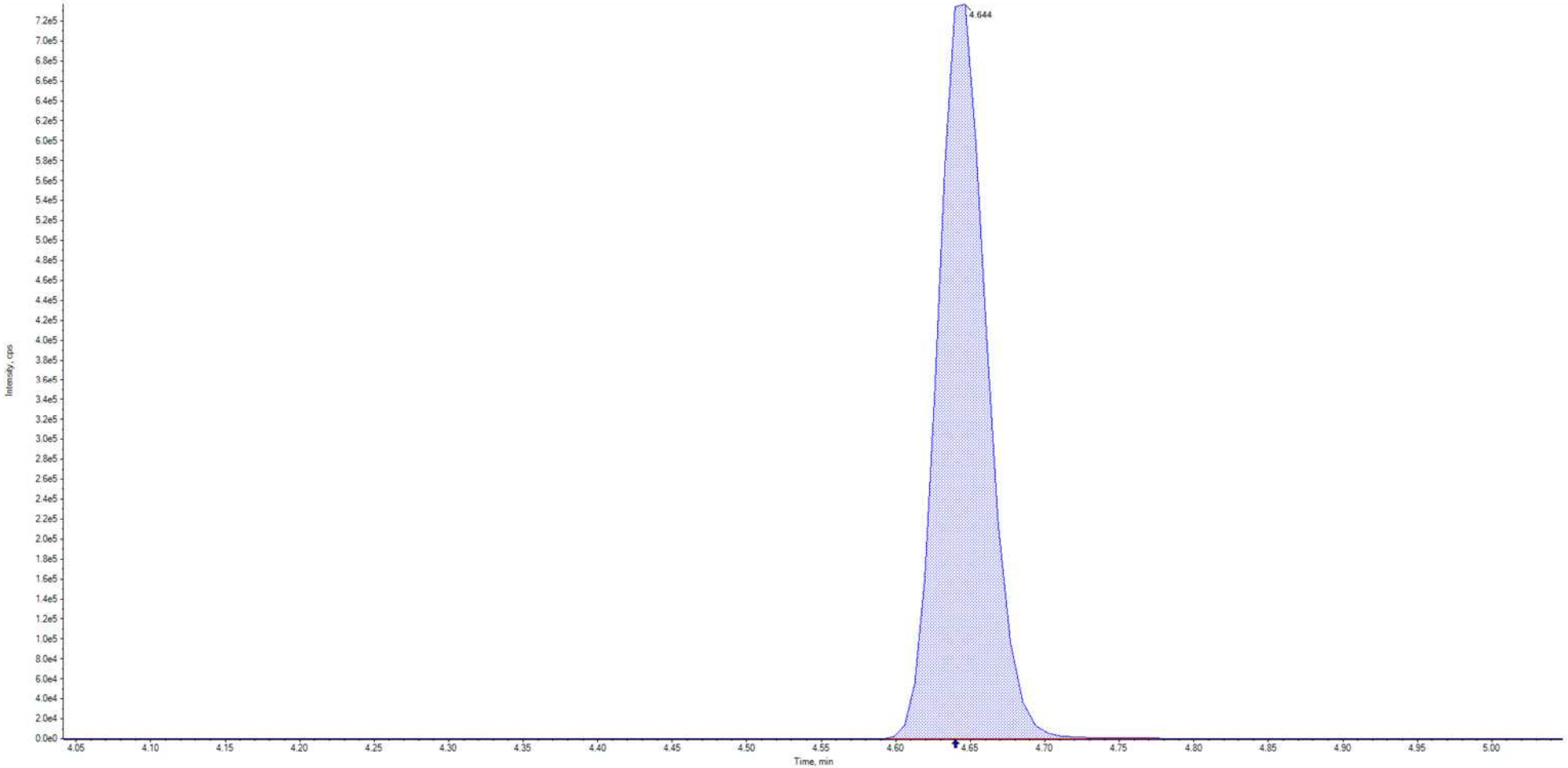
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

13C4-PFBA
Sample: WG1972930-8,1633MED



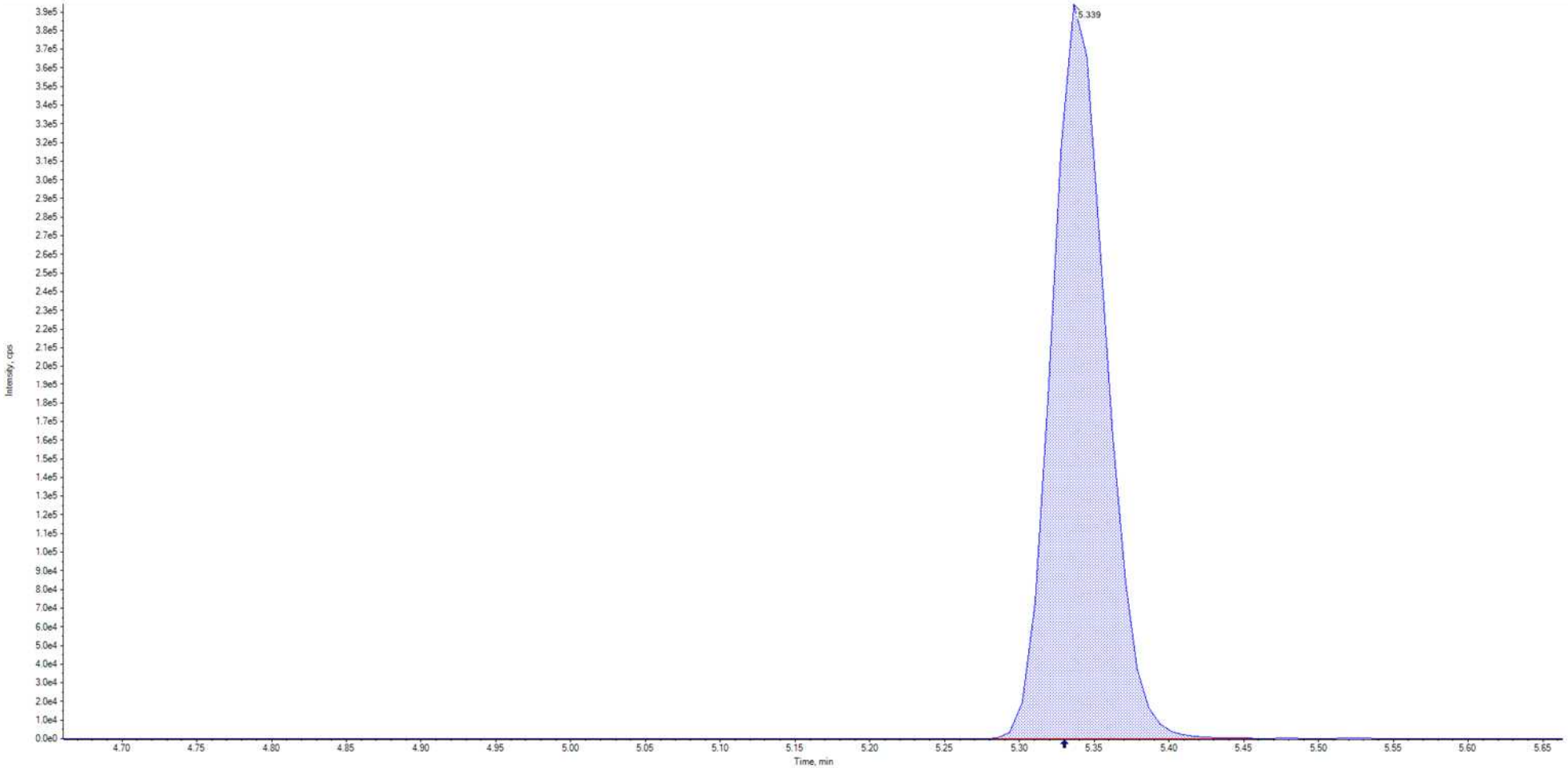
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

13C5-PFPeA
Sample: WG1972930-8,1633MED

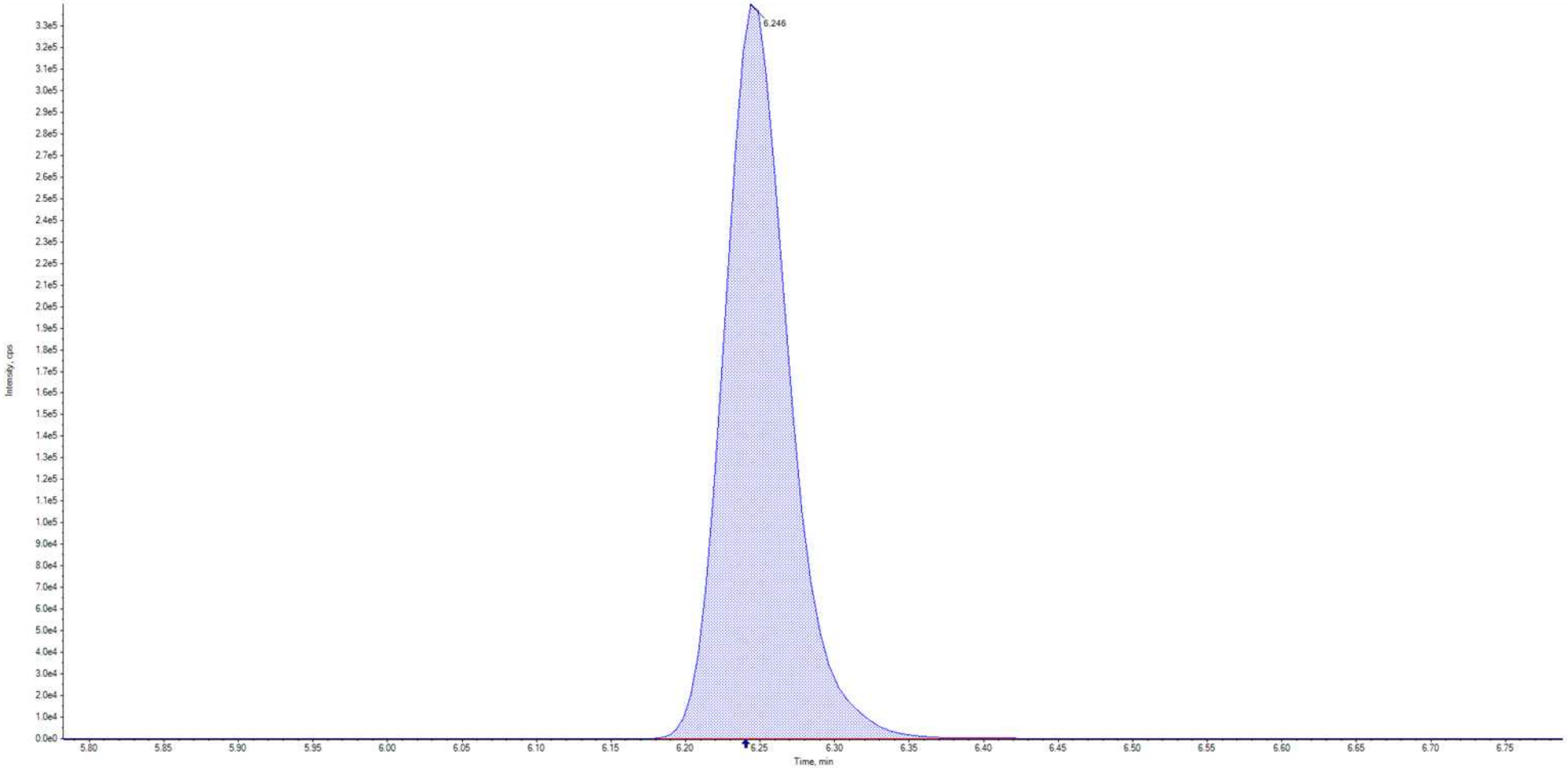


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_18\Data\SCI05_240918_30.wiff
Last Altered: 9/18/2024 1:33:31 PM
Generated: 9/18/2024 6:35:36 AM

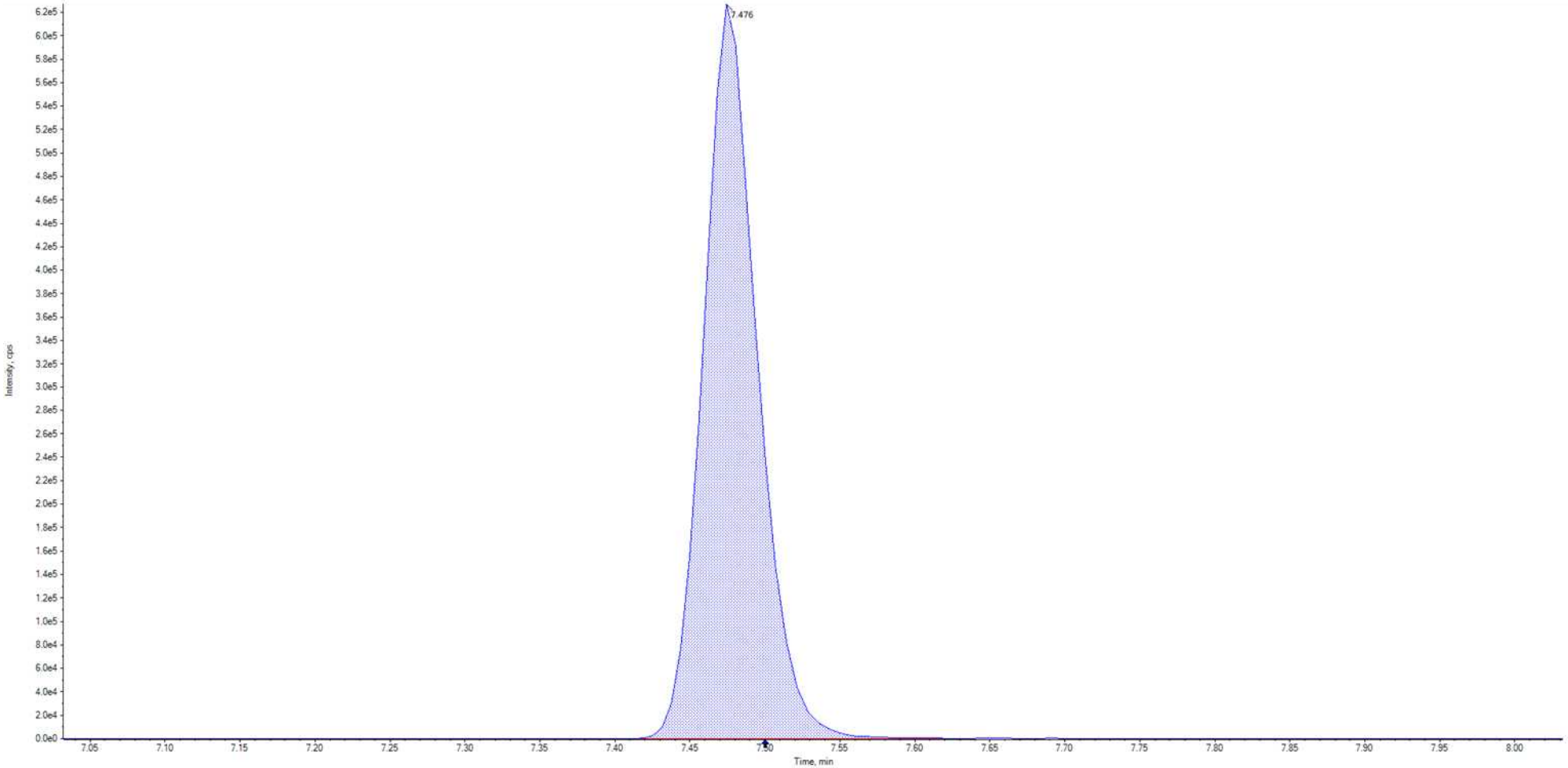
13C5-PFHxA
Sample: WG1972930-8,1633MED



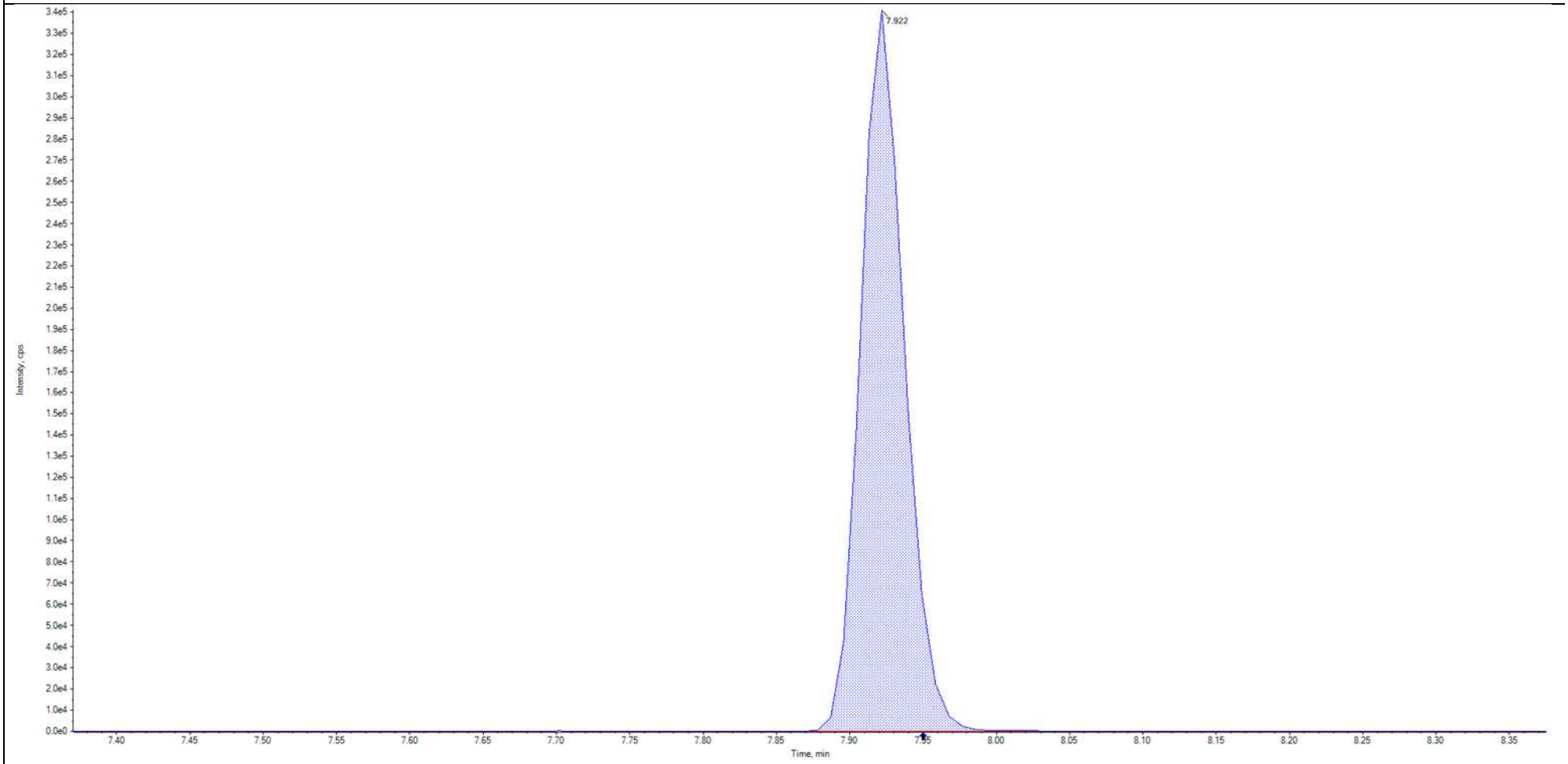
13C4-PFHpA
Sample: WG1972930-8,1633MED



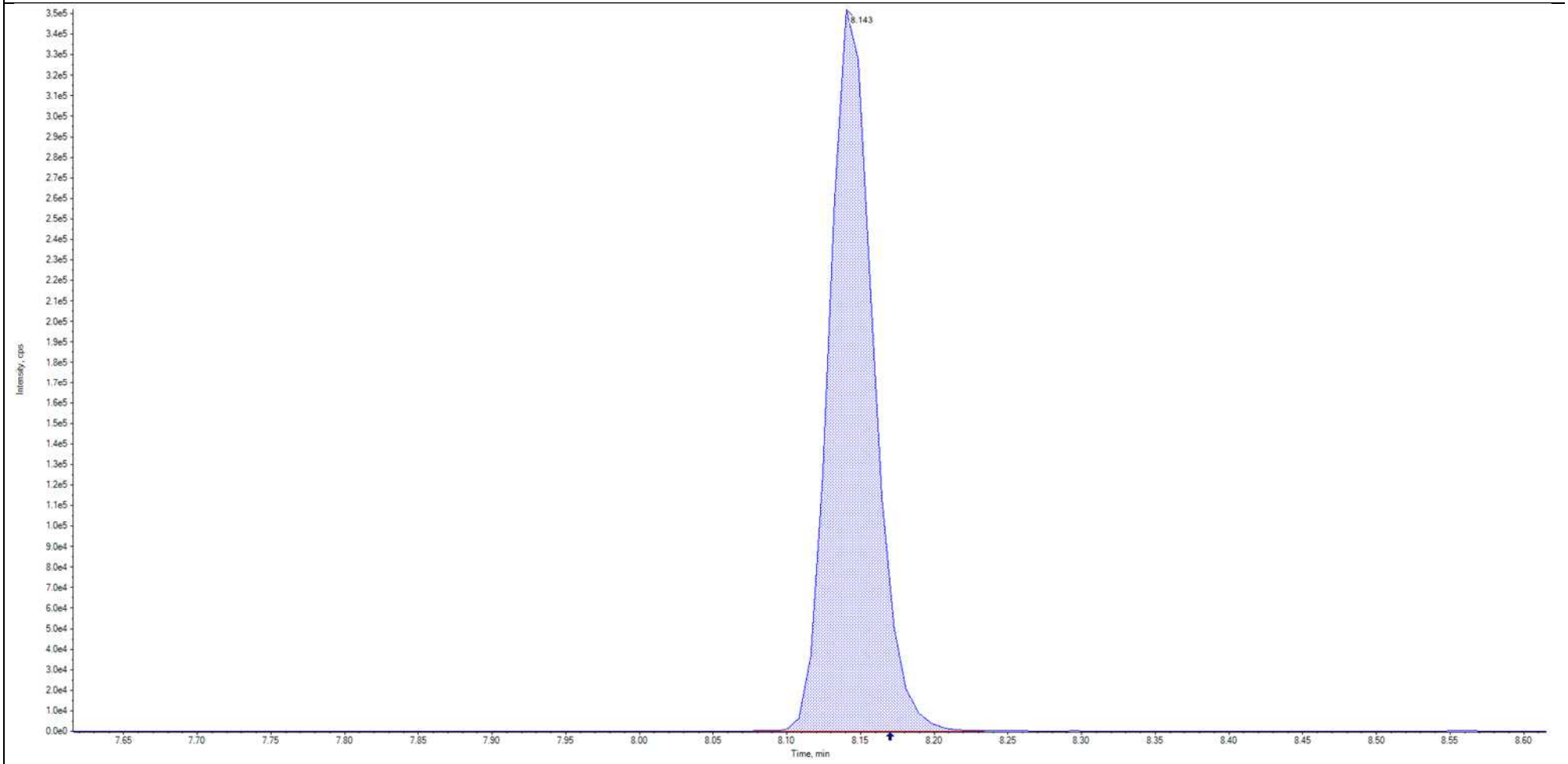
13C8-PFOA
Sample: WG1972930-8,1633MED



13C9-PFNA
Sample: WG1972930-8,1633MED



13C6-PFDA
Sample: WG1972930-8,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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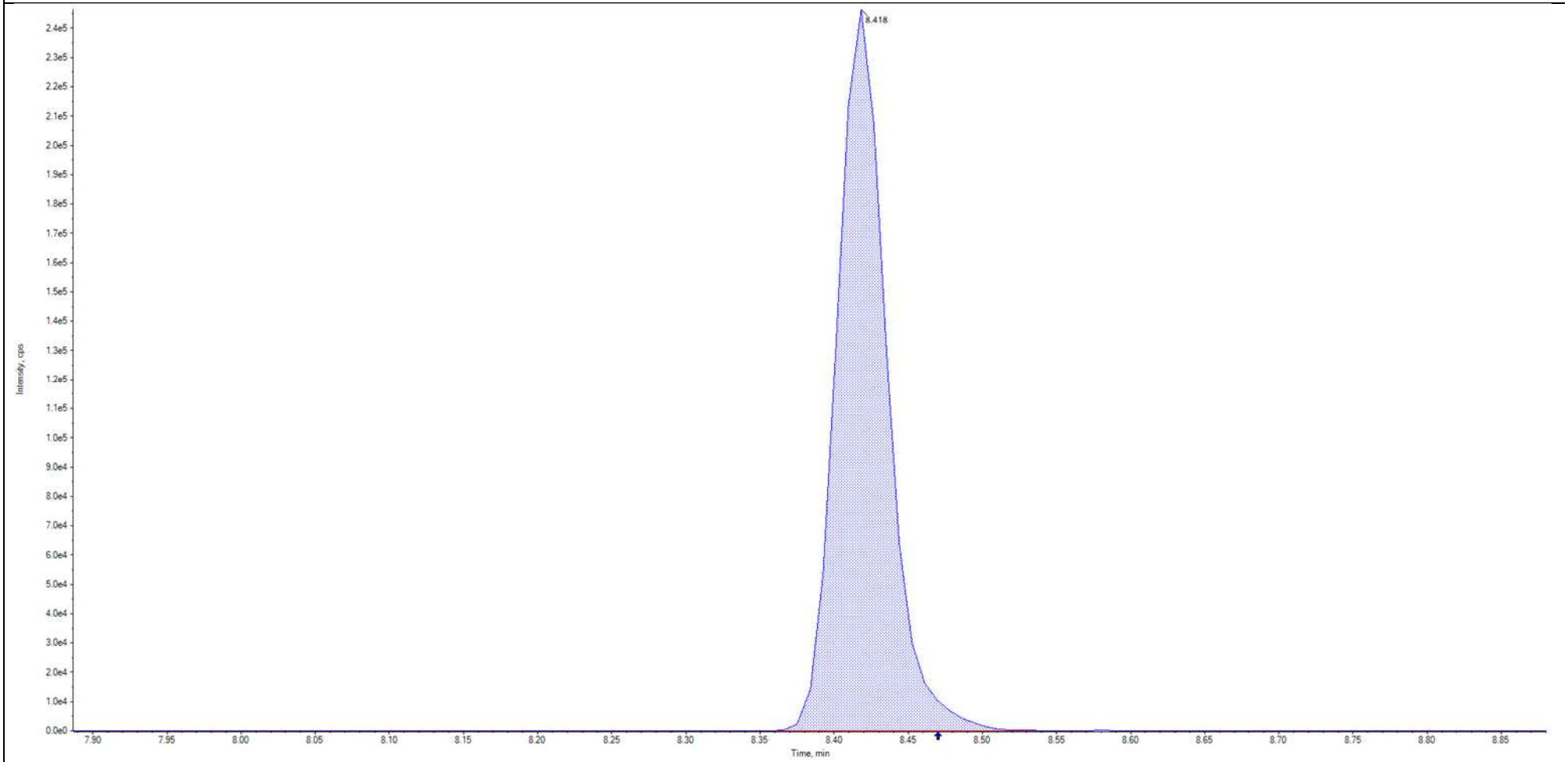
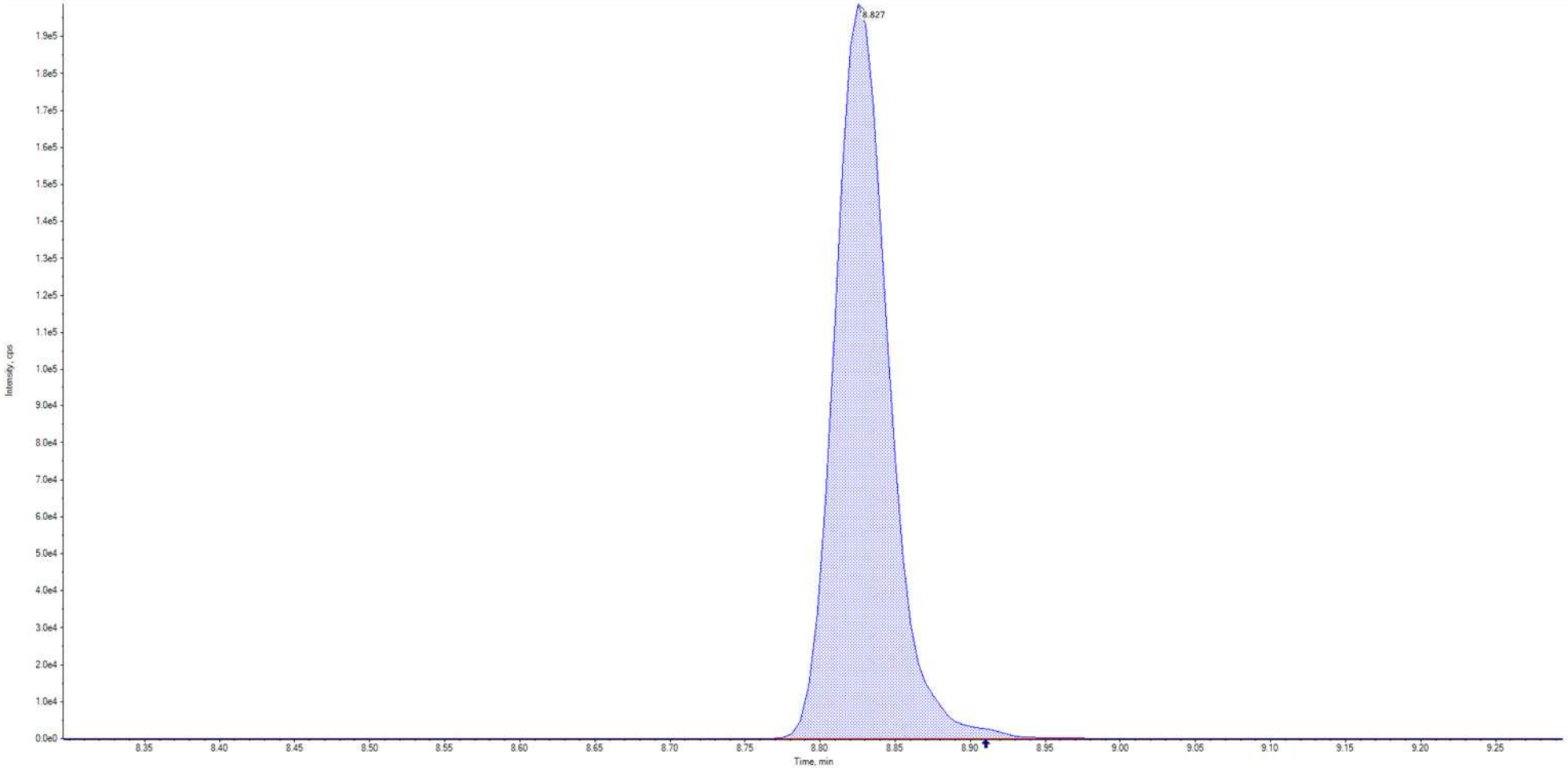
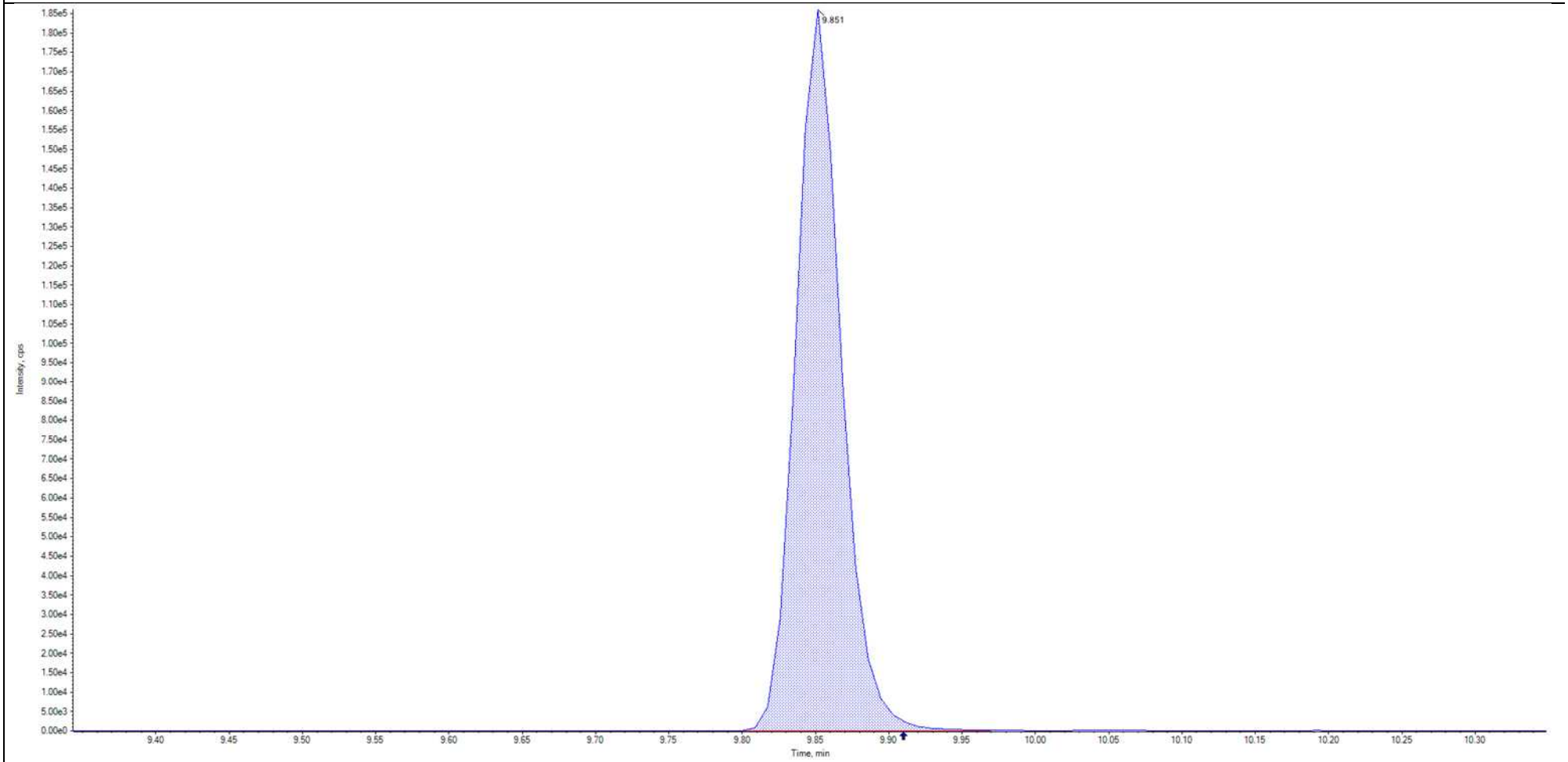
13C7-PFUnA
Sample: WG1972930-8,1633MED



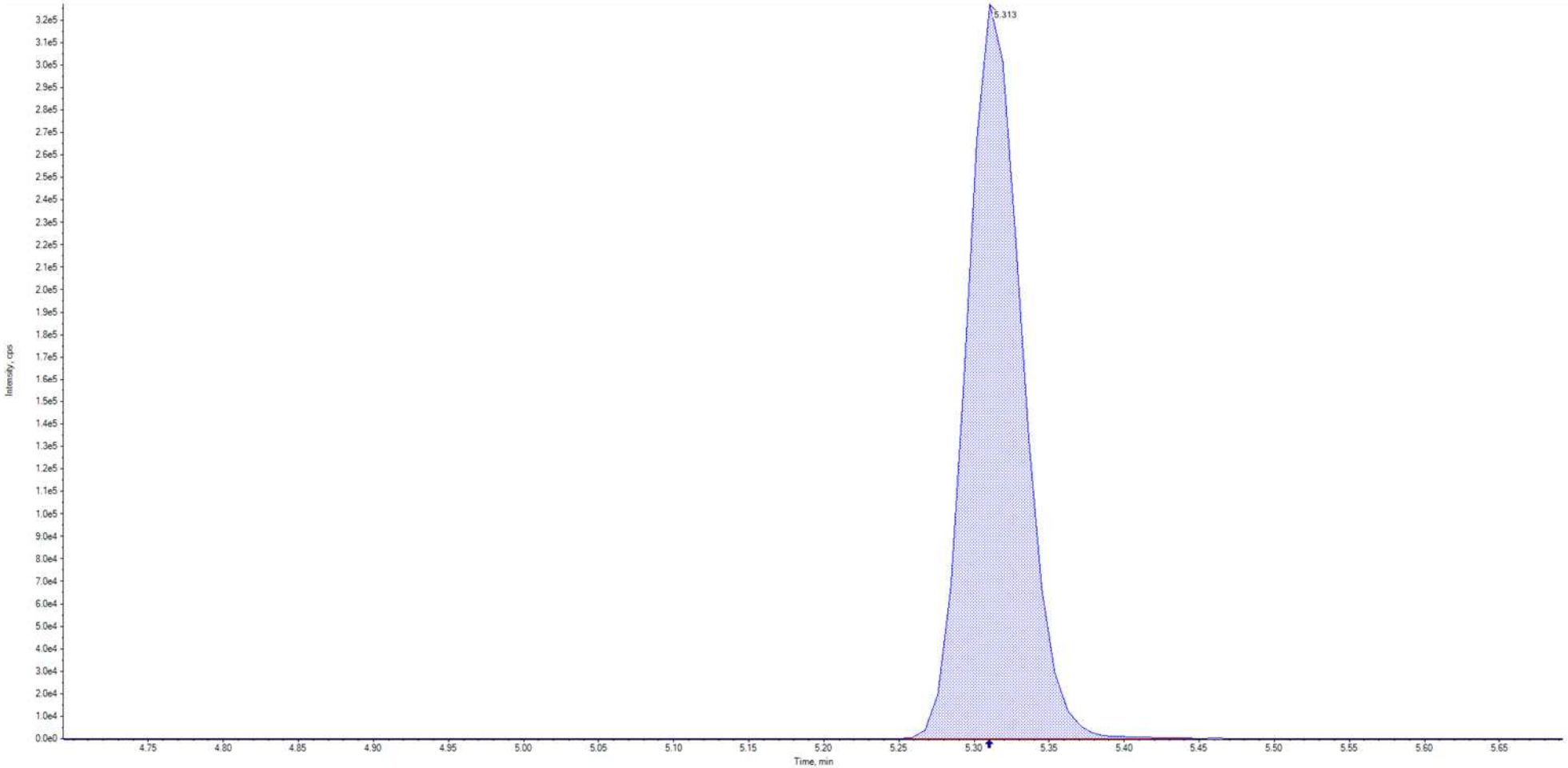
13C2-PFDoA
Sample: WG1972930-8,1633MED



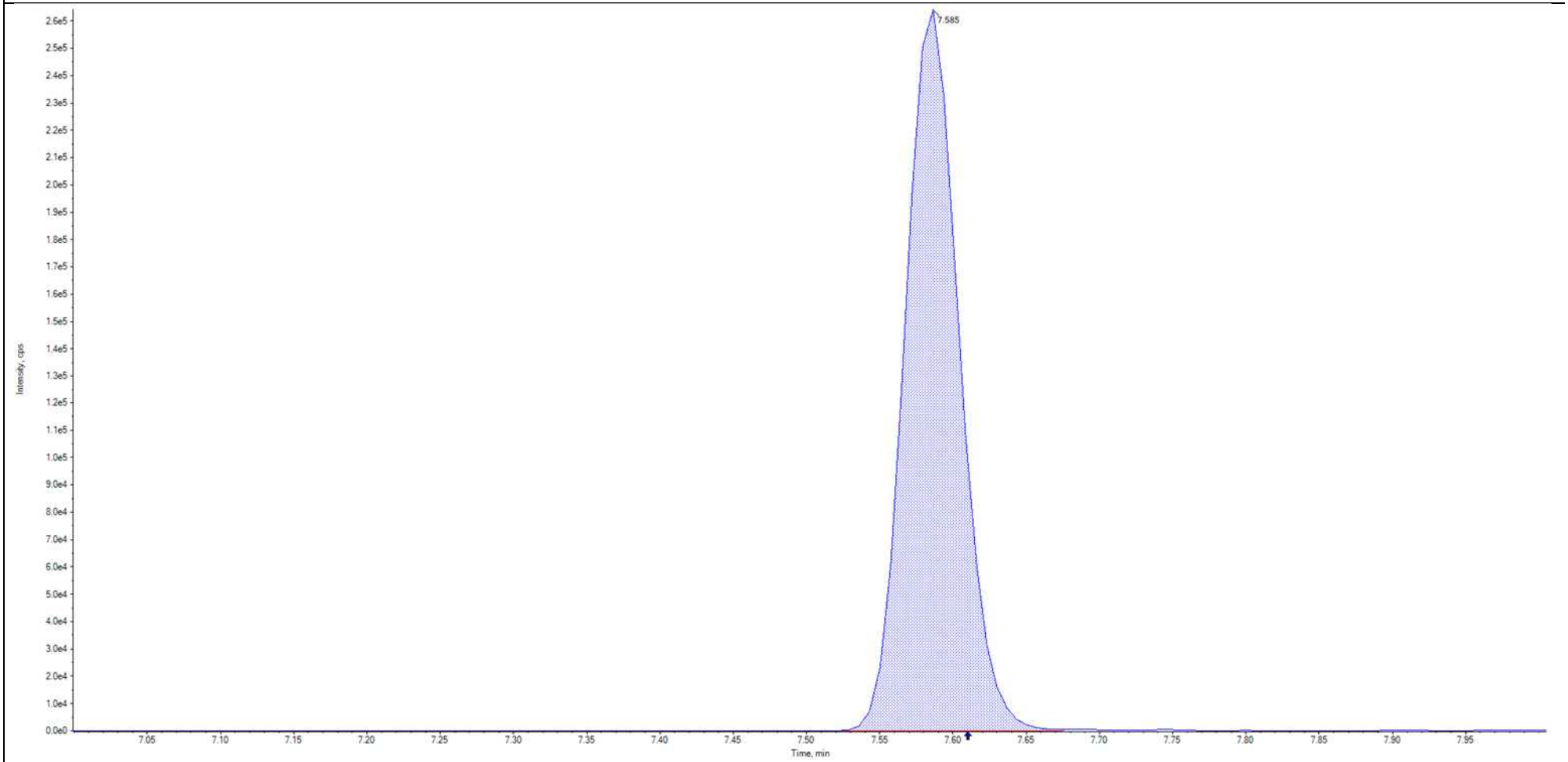
13C2-PFTeDA
Sample: WG1972930-8,1633MED



13C3-PFBS
Sample: WG1972930-8,1633MED



13C3-PFHxS
Sample: WG1972930-8,1633MED



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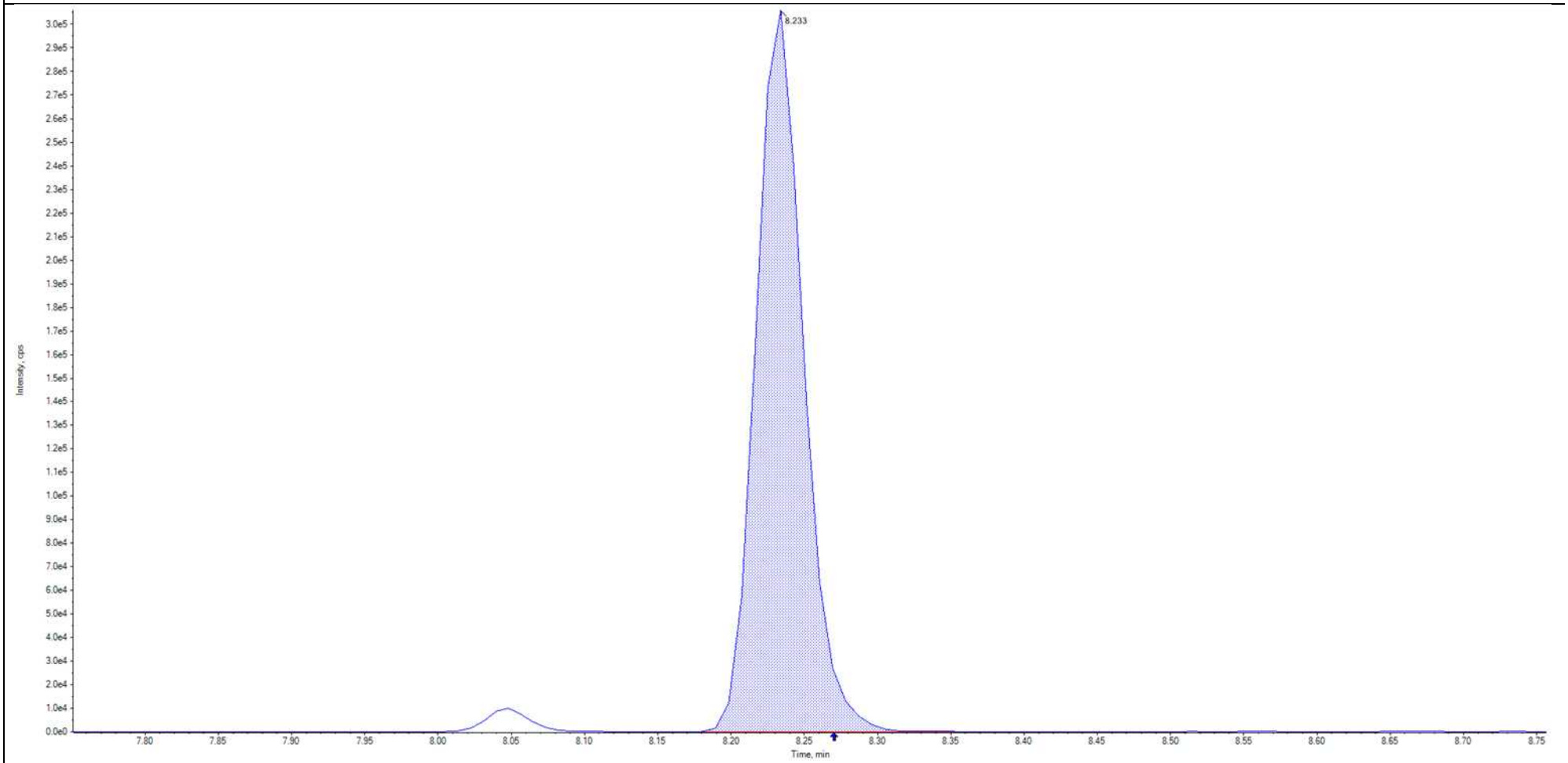
13C8-PFOS
Sample: WG1972930-8,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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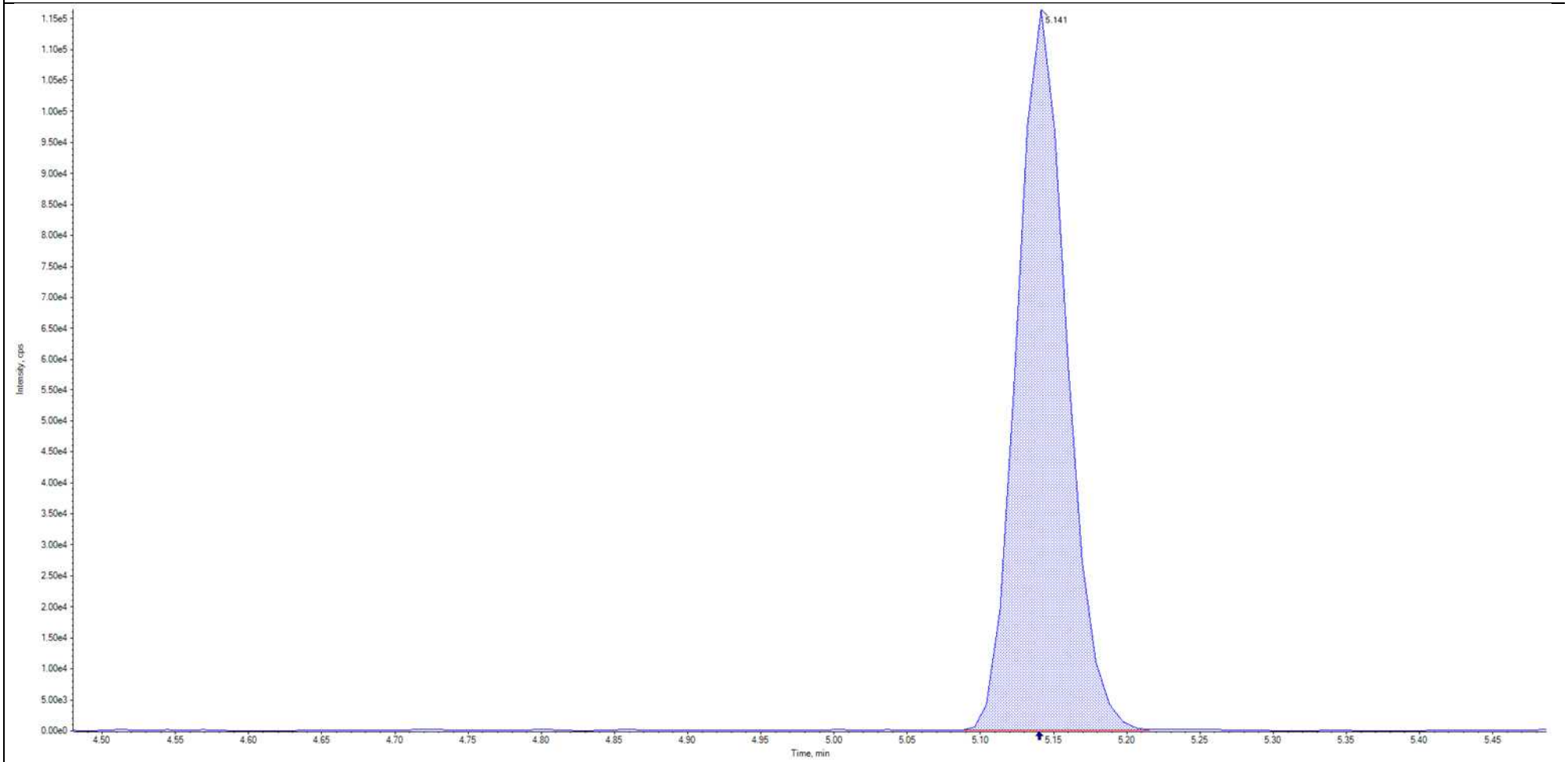
13C2-4:2FTS
Sample: WG1972930-8,1633MED



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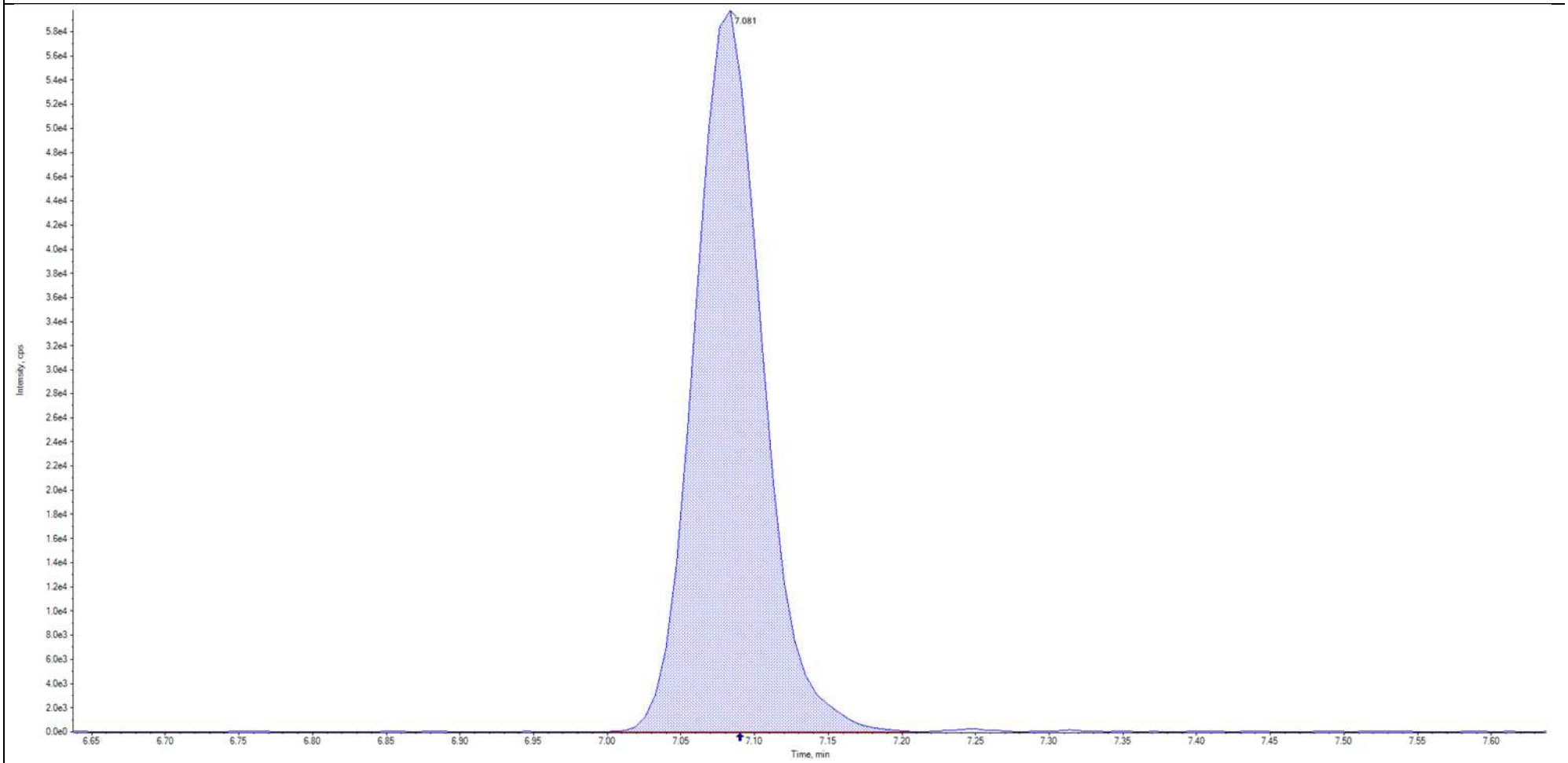
13C2-6:2FTS
Sample: WG1972930-8,1633MED



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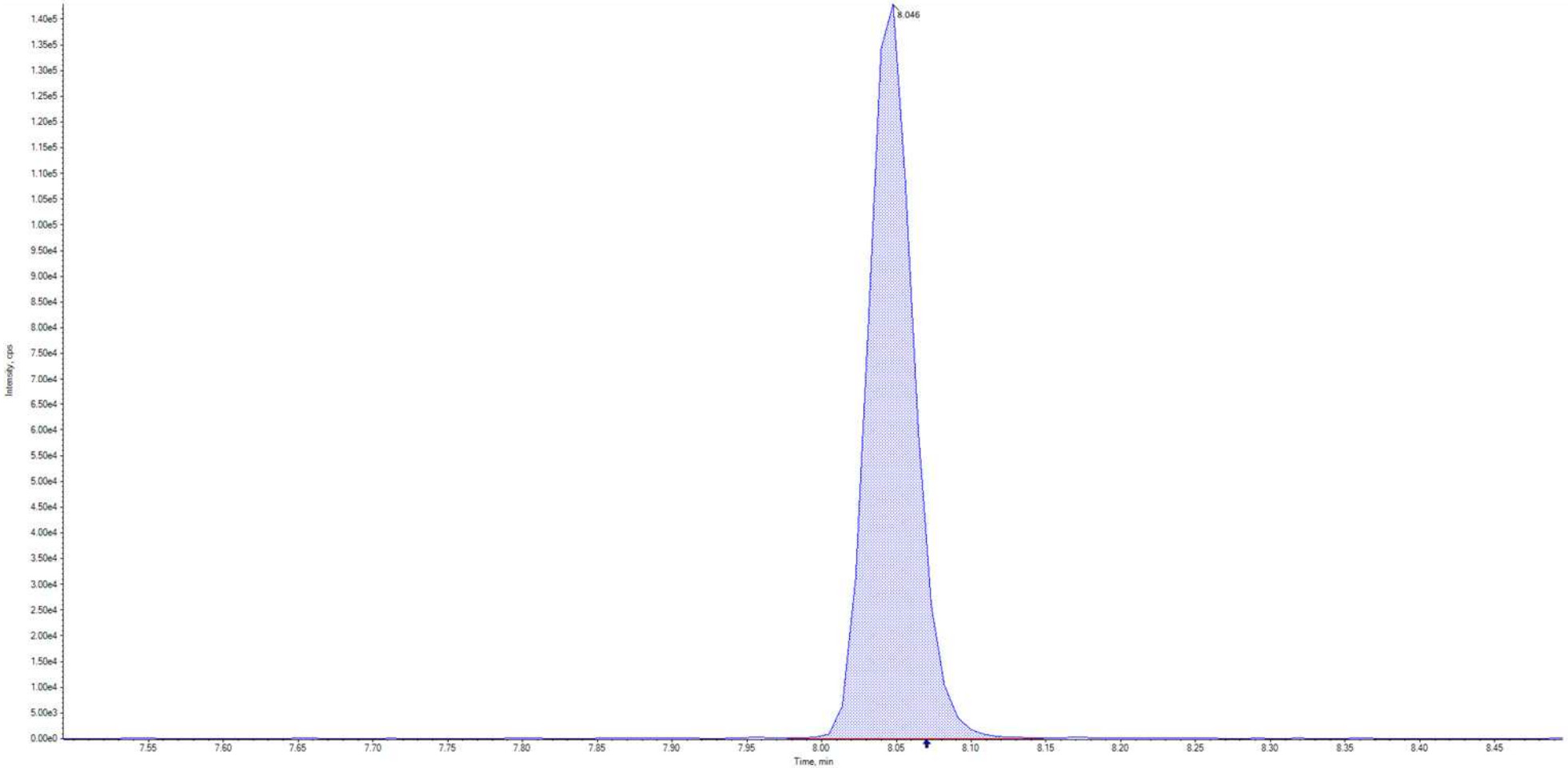
13C2-8:2FTS
Sample: WG1972930-8,1633MED



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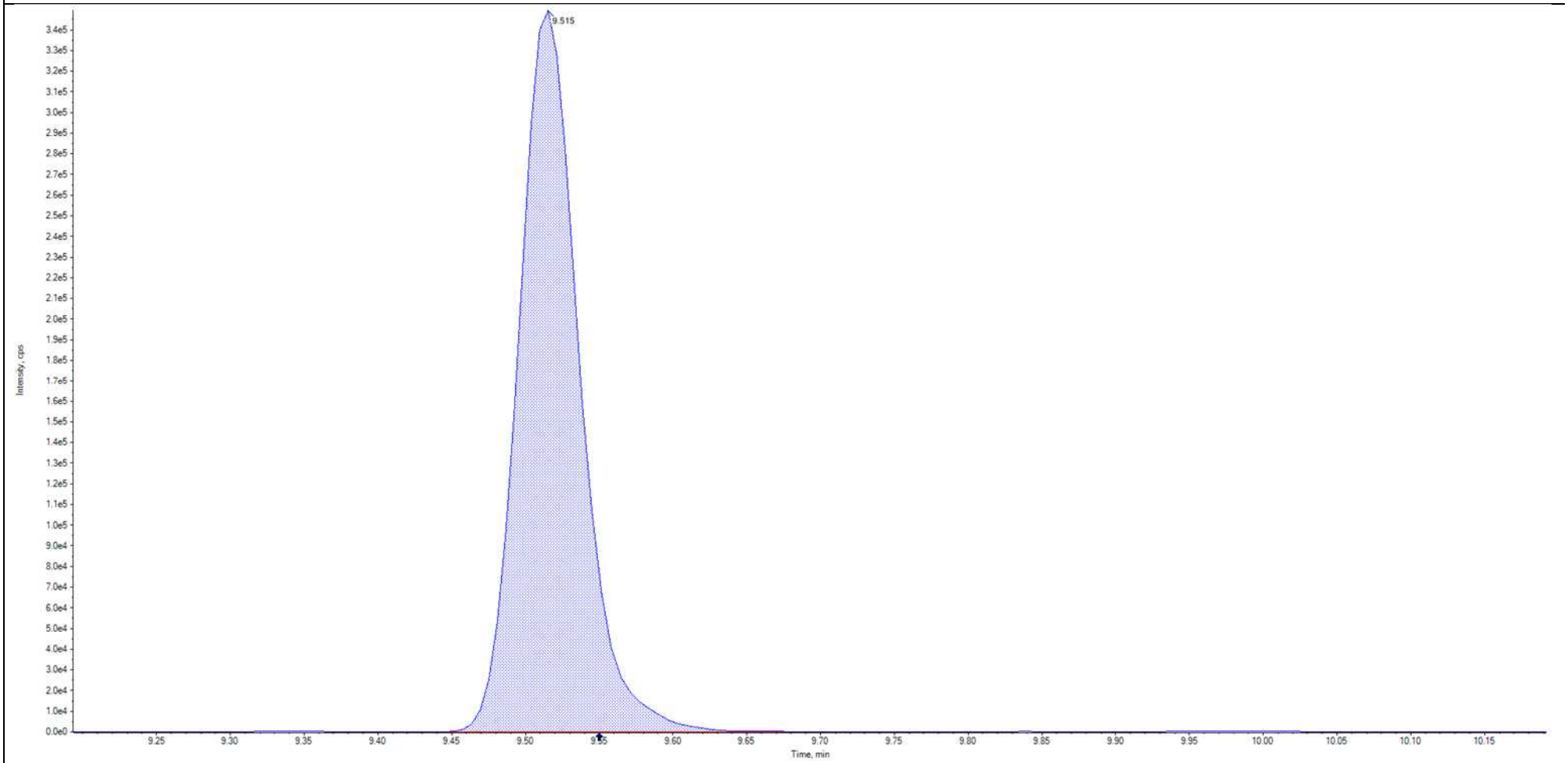
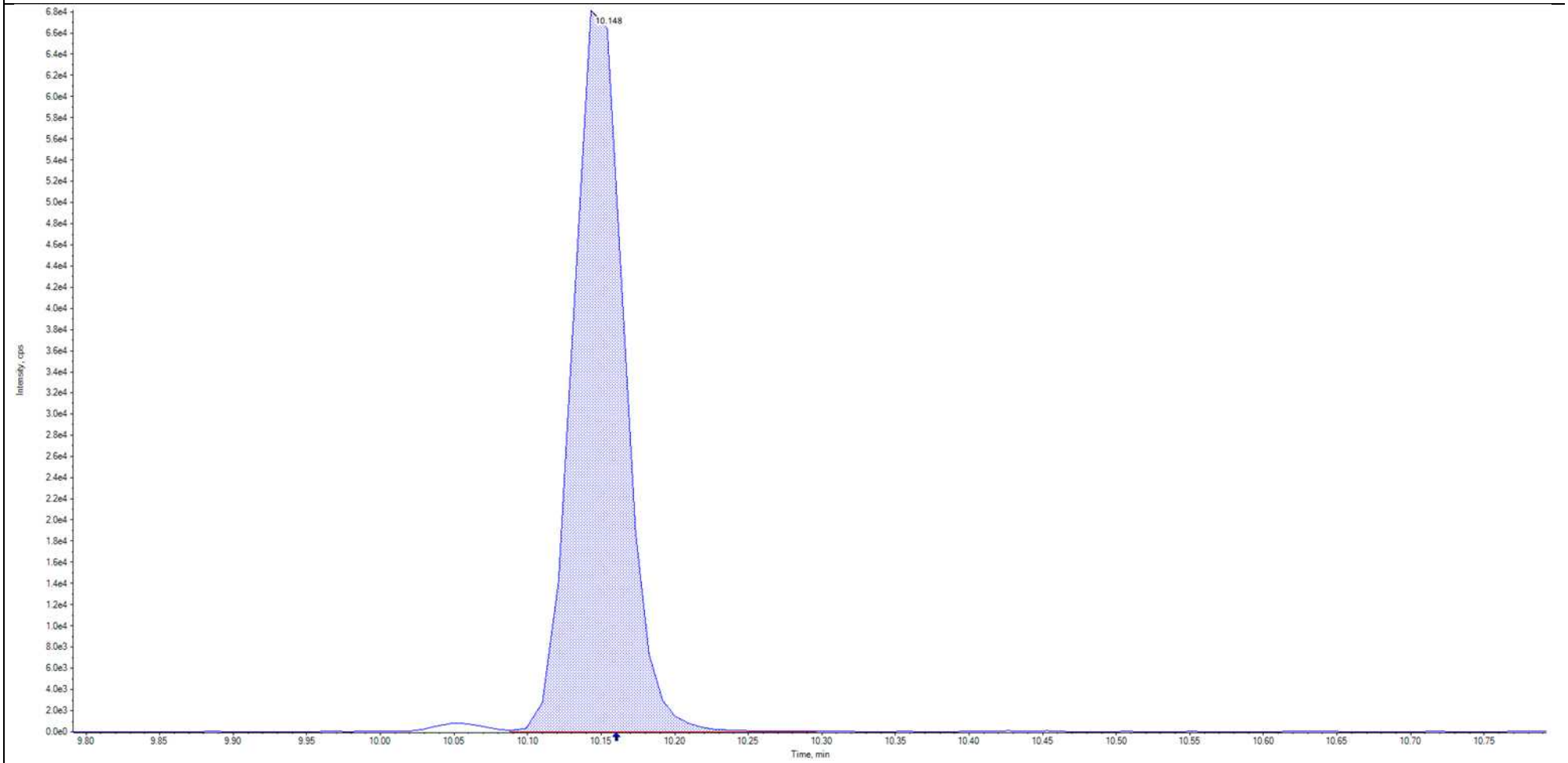
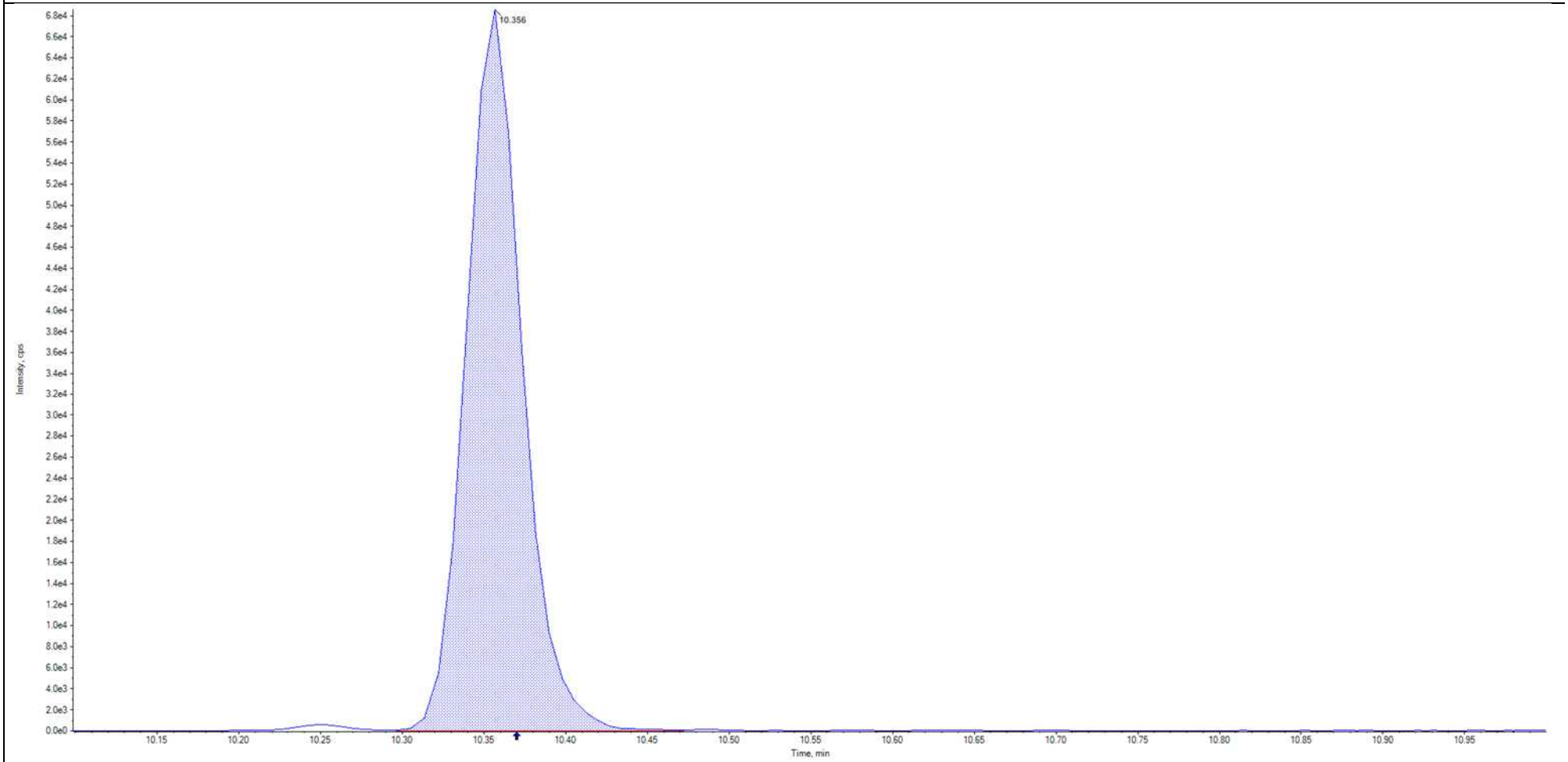
13C8-PFOSA
Sample: WG1972930-8,1633MED



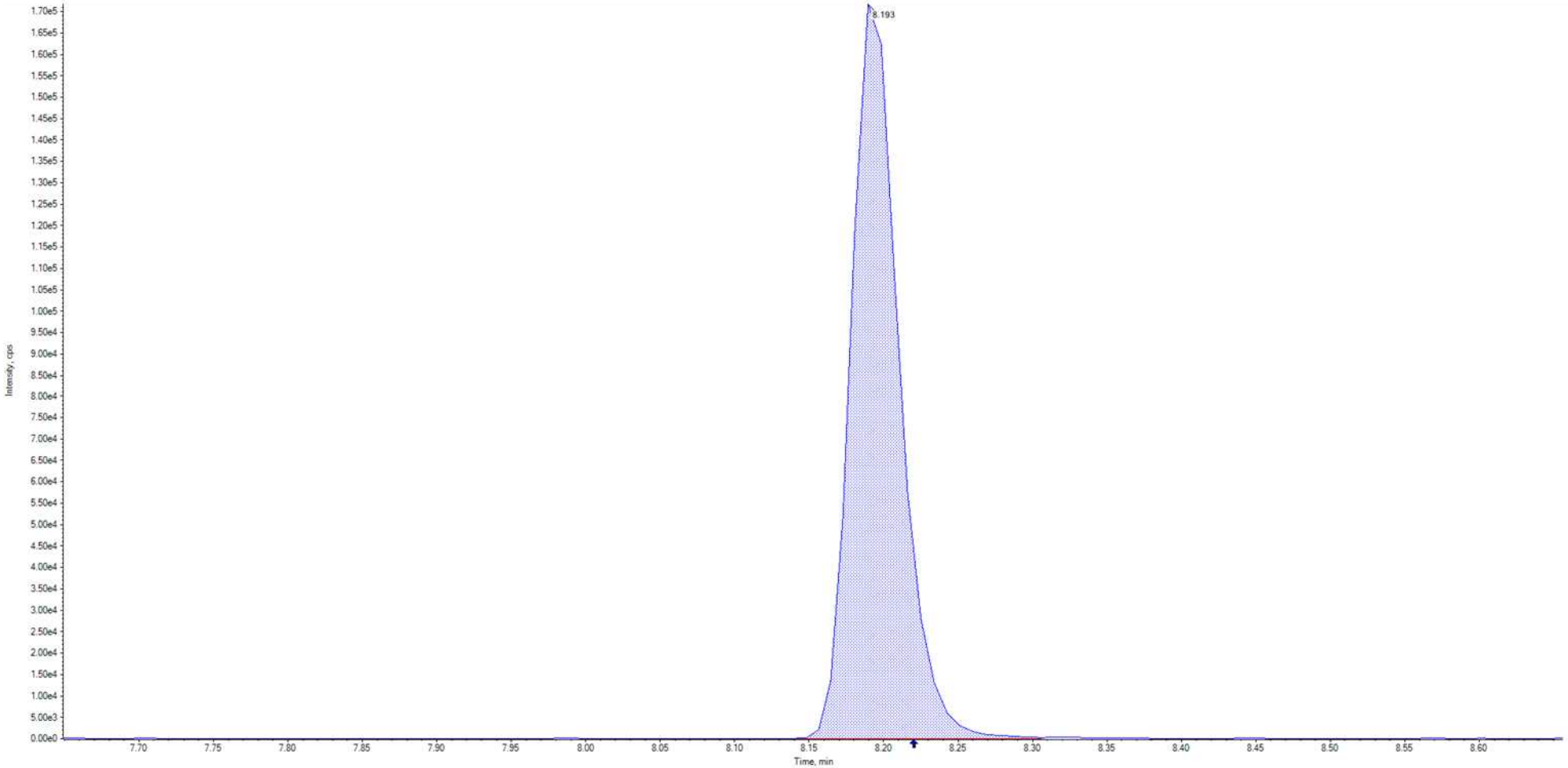
d3-NMeFOSA
Sample: WG1972930-8,1633MED



d5-NEtFOSA
Sample: WG1972930-8,1633MED



d3-NMeFOSAA
Sample: WG1972930-8,1633MED



d5-NEtFOSAA
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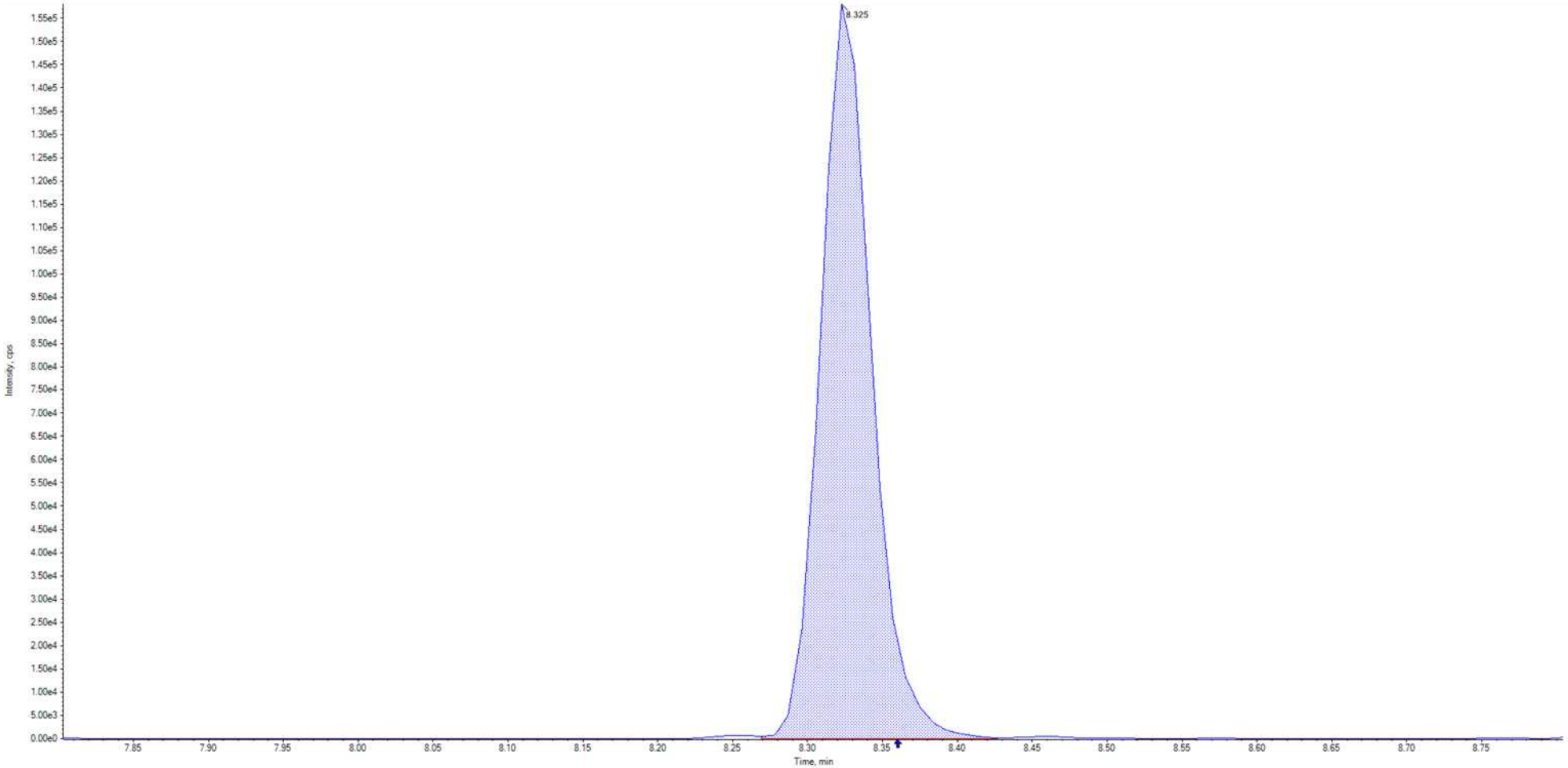

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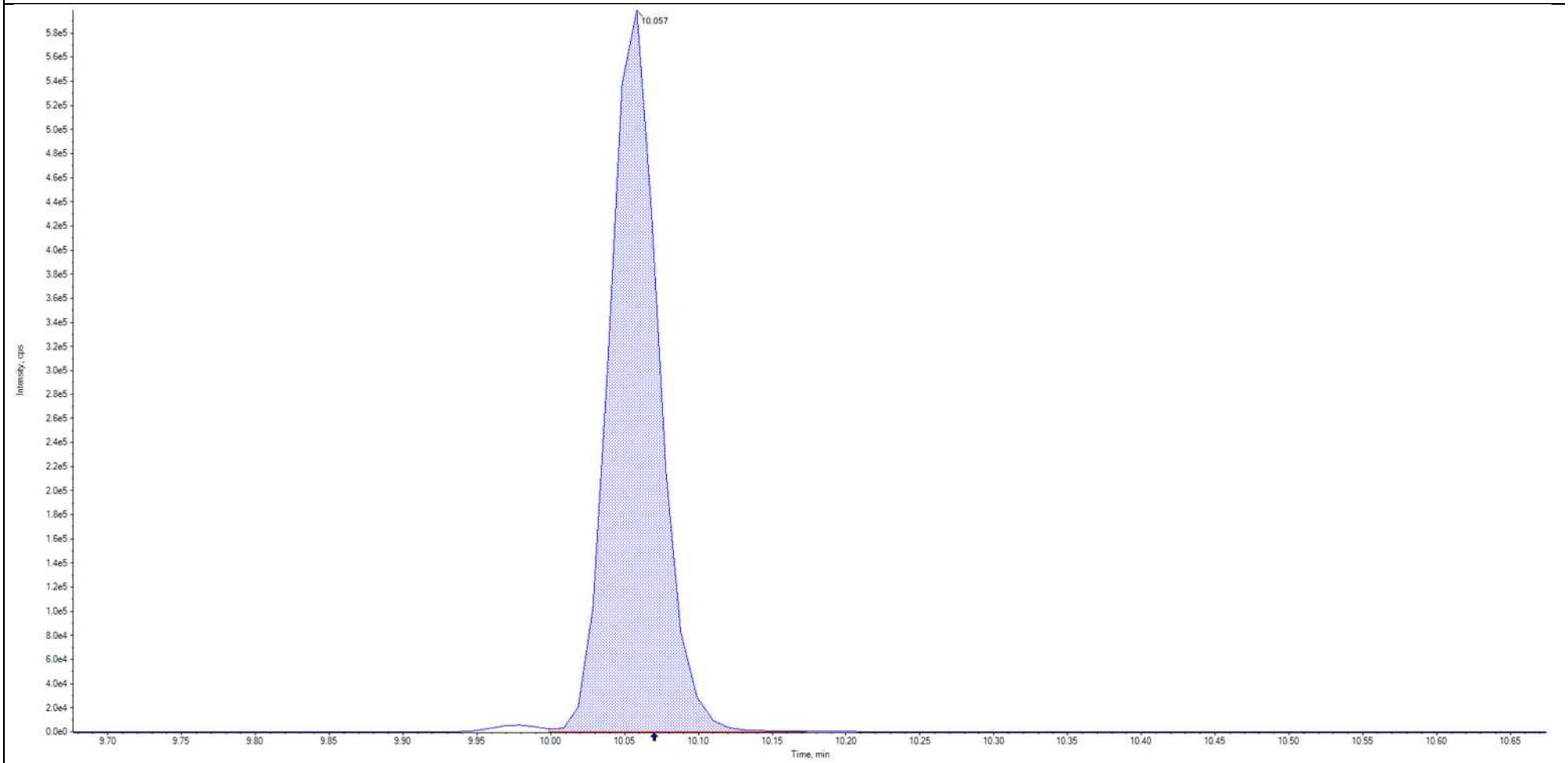
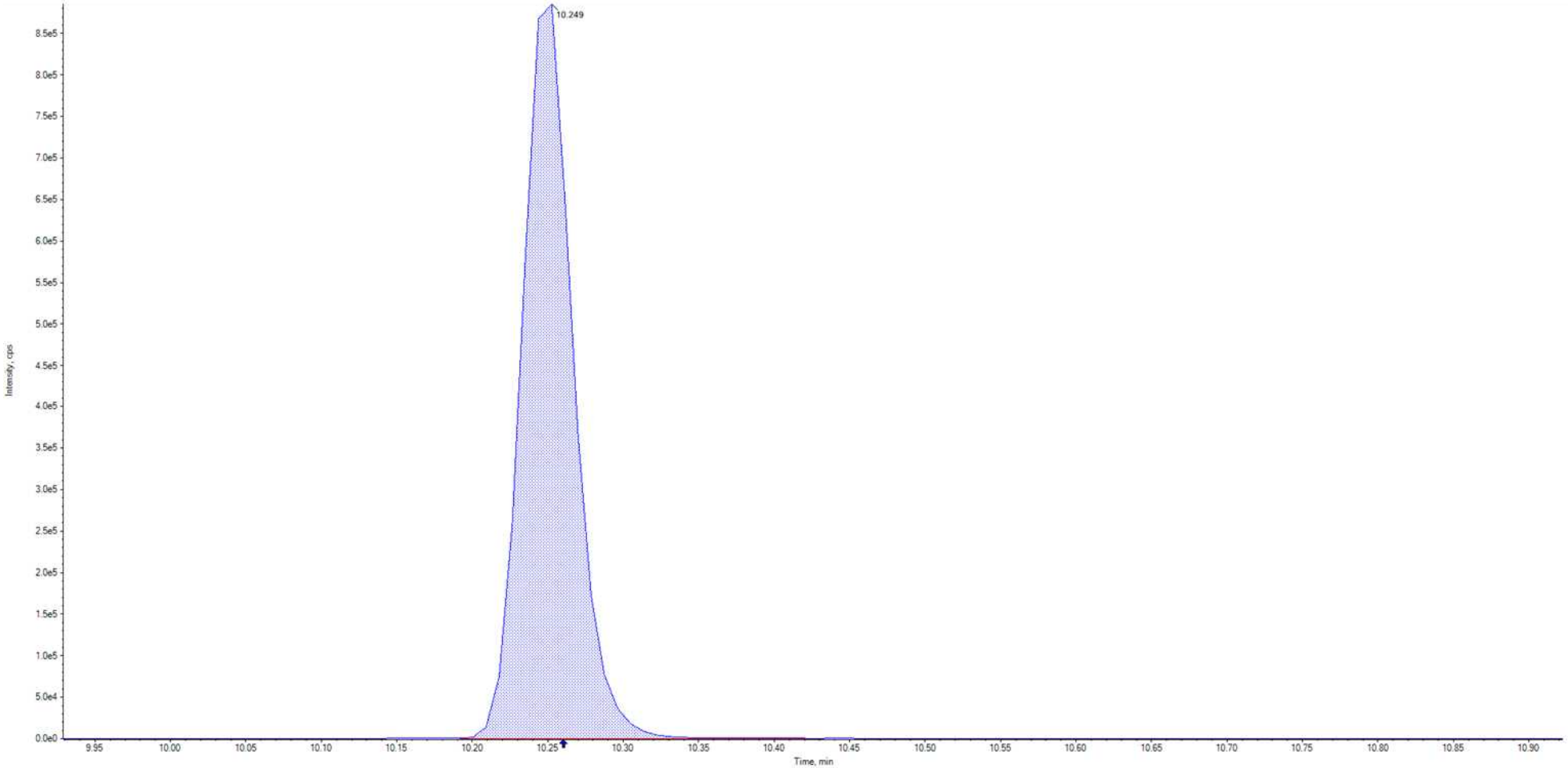
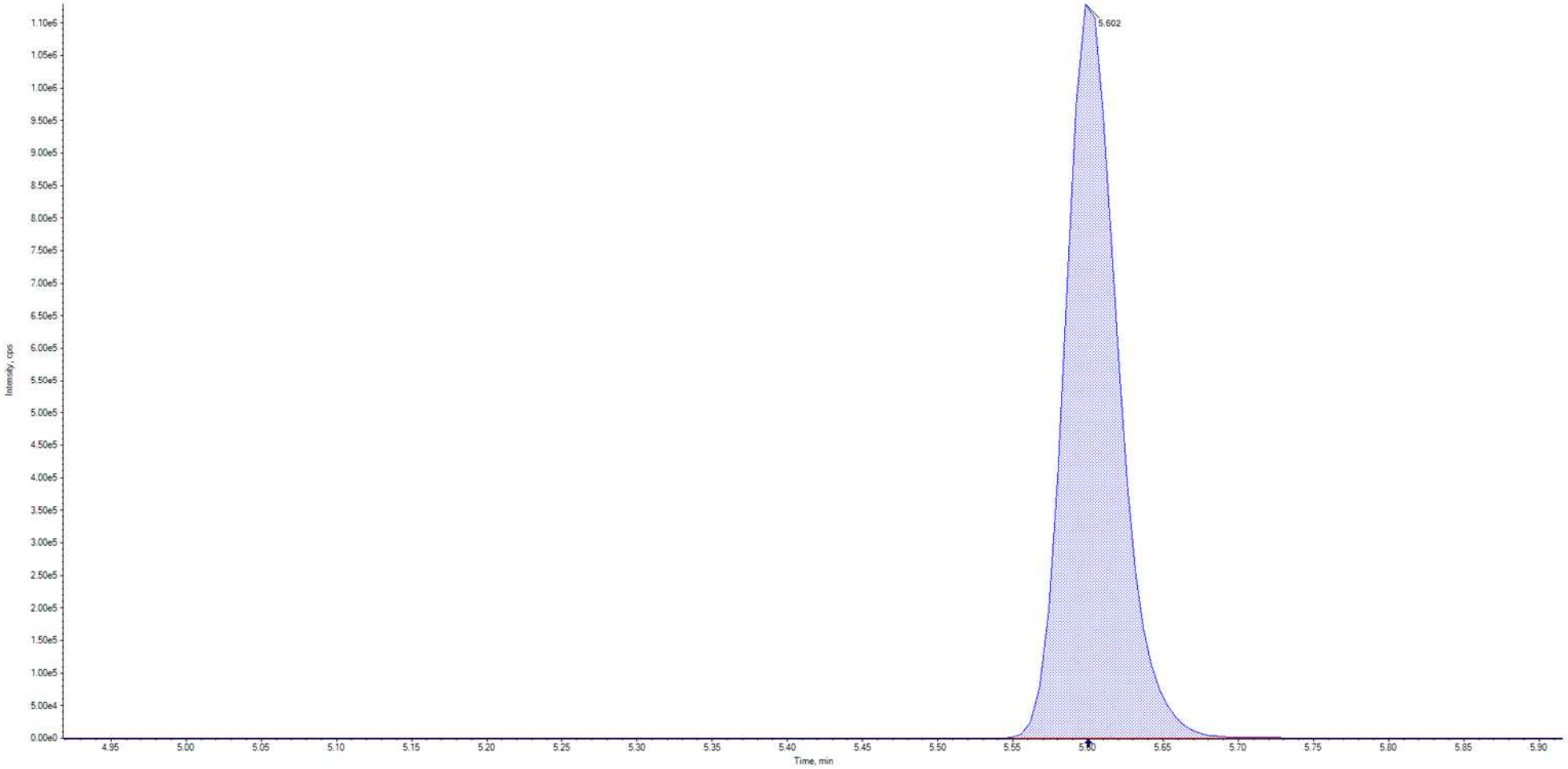
d7-NMeFOSE
Sample: WG1972930-8,1633MED



d9-NEtFOSE
Sample: WG1972930-8,1633MED



13C3-HFPO-DA
Sample: WG1972930-8,1633MED



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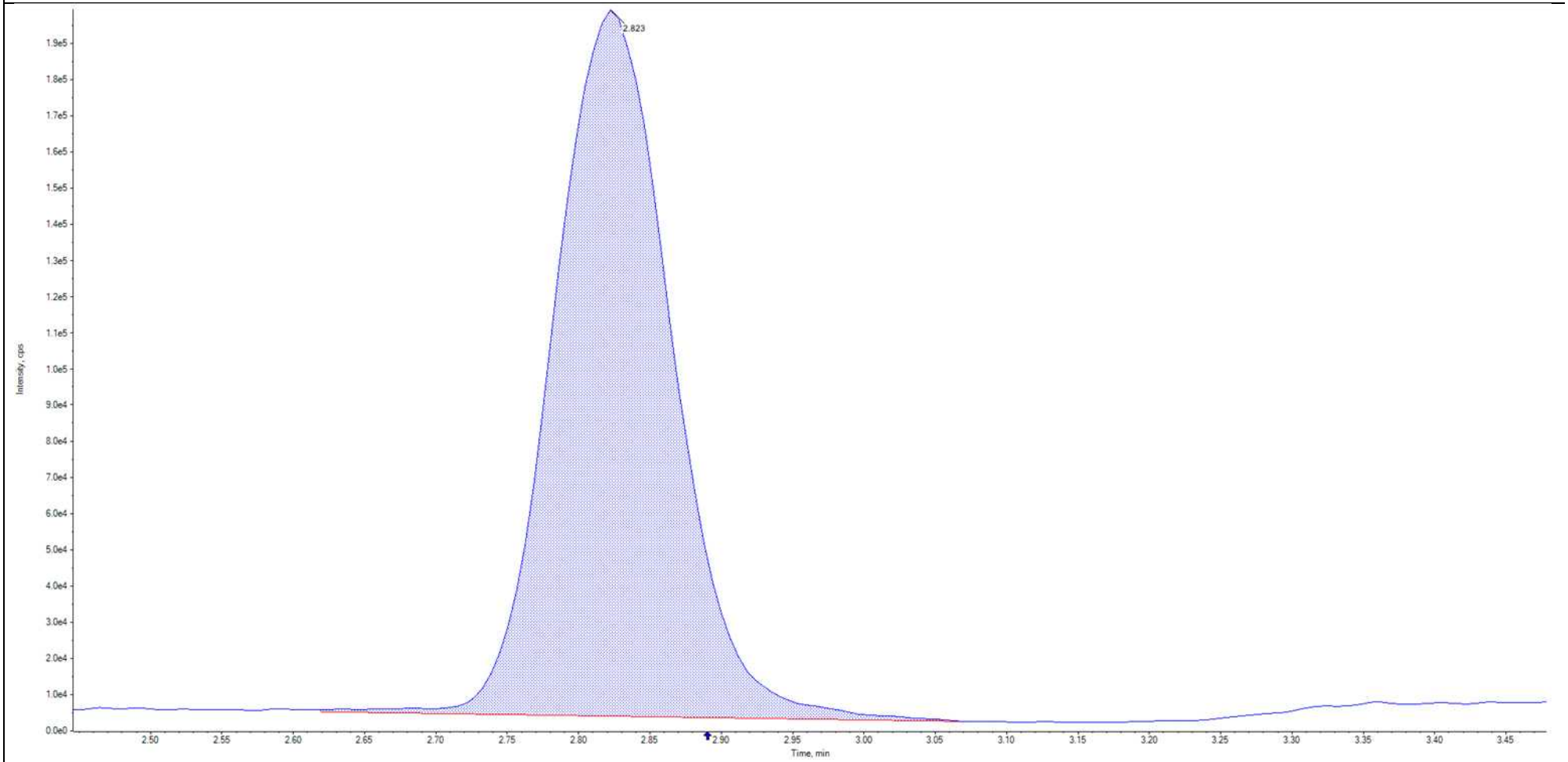
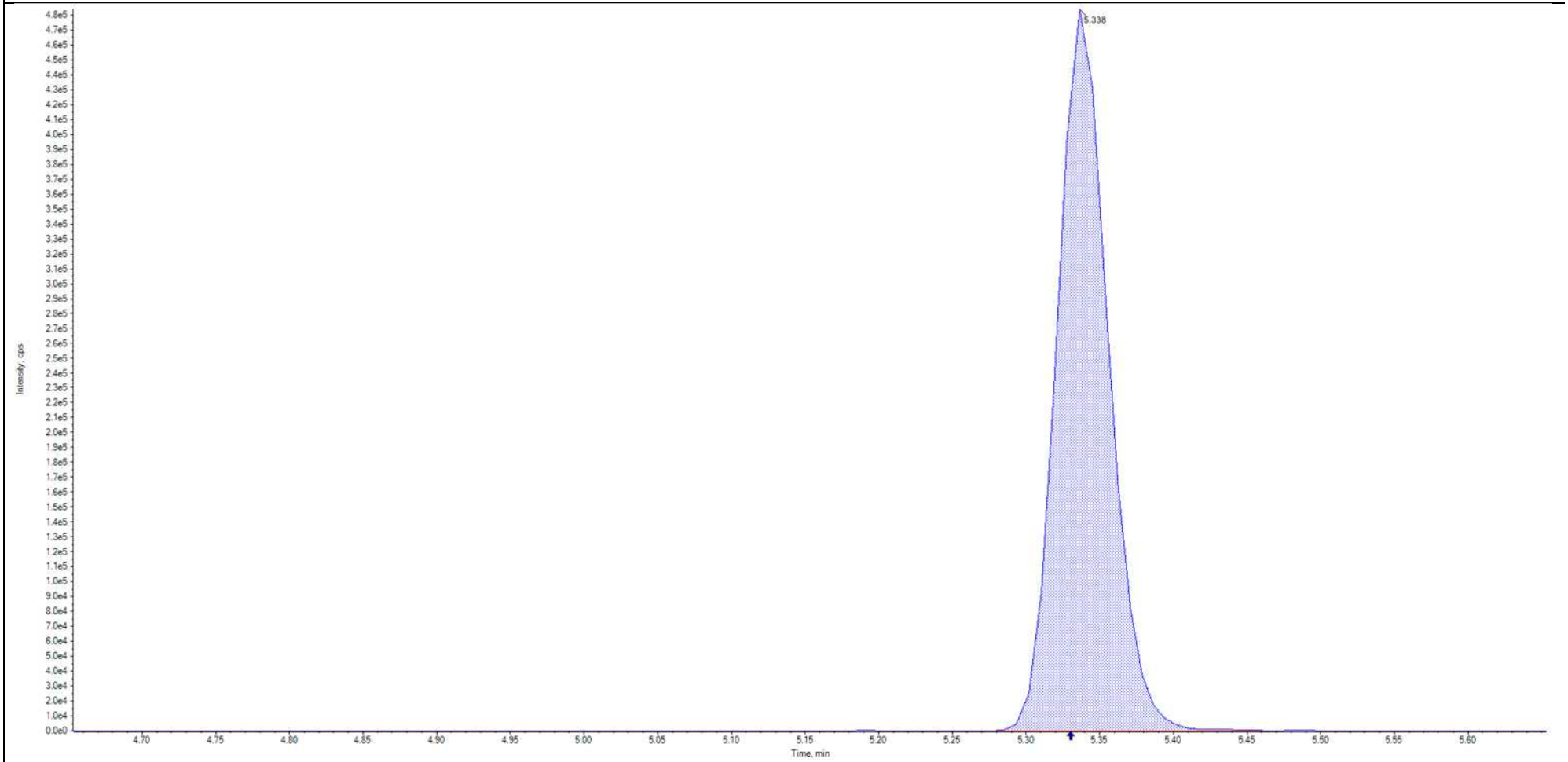
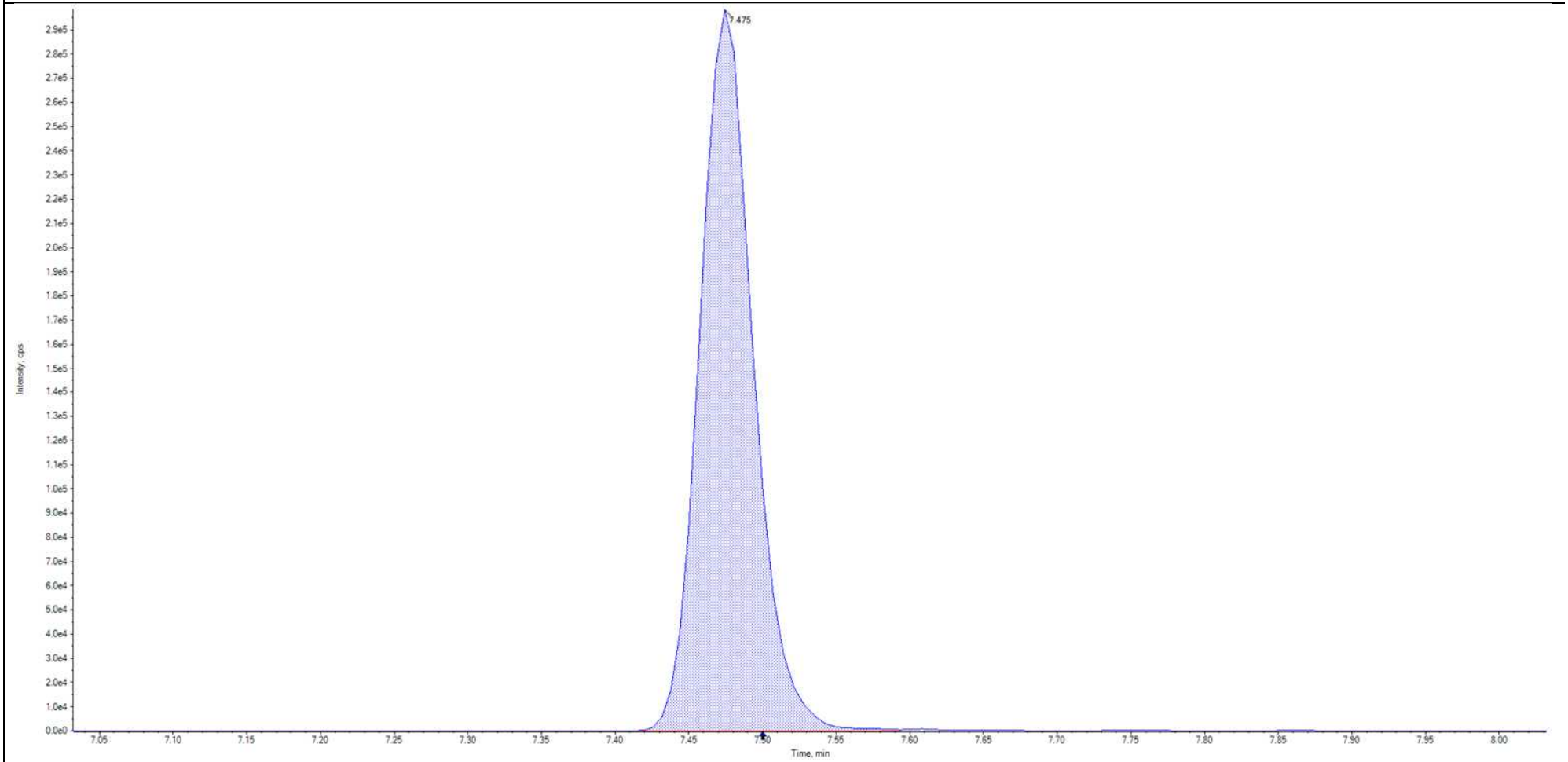
13C3-PFBA
Sample: WG1972930-8,1633MED



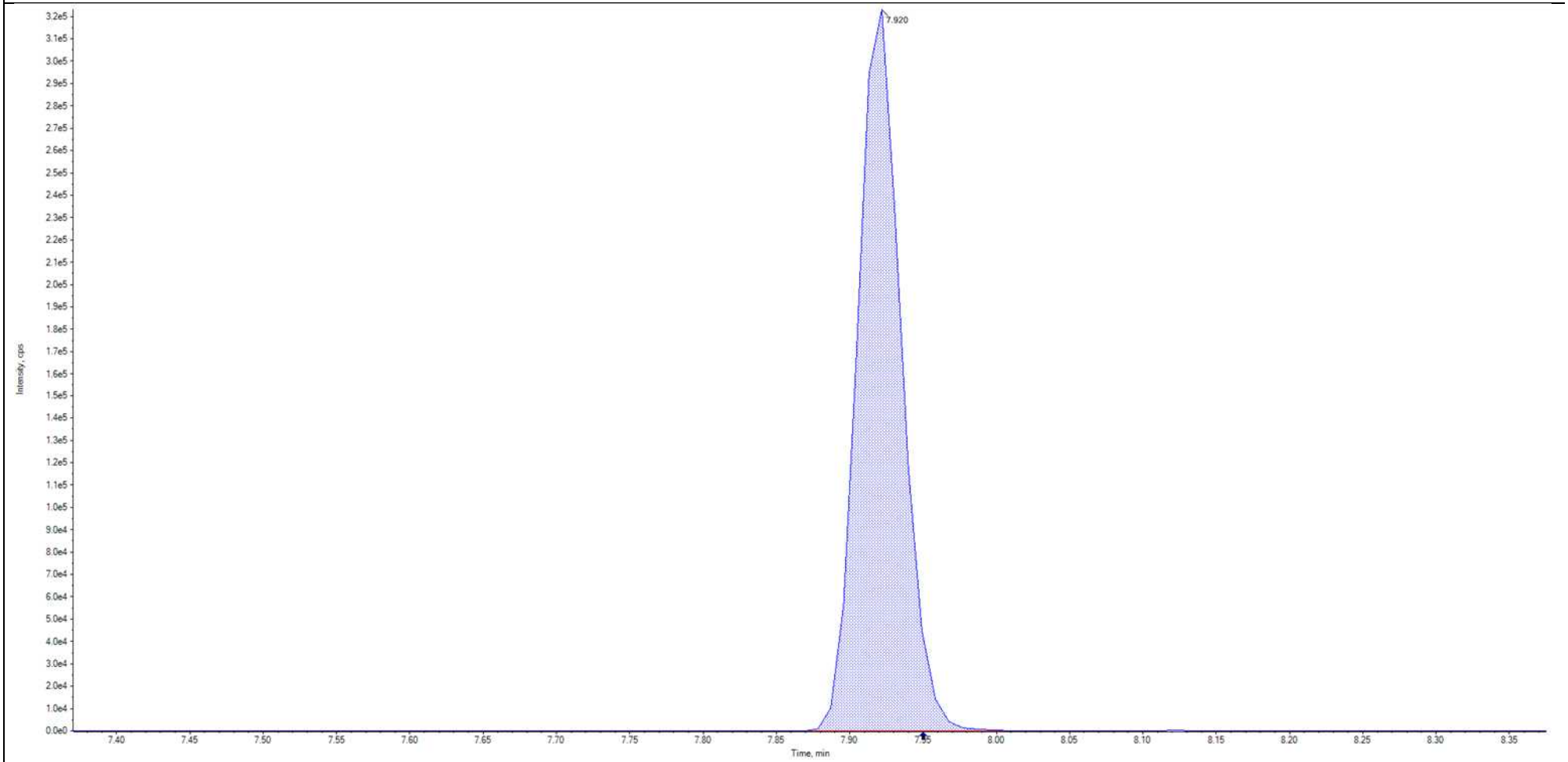
13C2-PFHxA
Sample: WG1972930-8,1633MED



13C4-PFOA
Sample: WG1972930-8,1633MED



13C5-PFNA
Sample: WG1972930-8,1633MED



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13C2-PFDA
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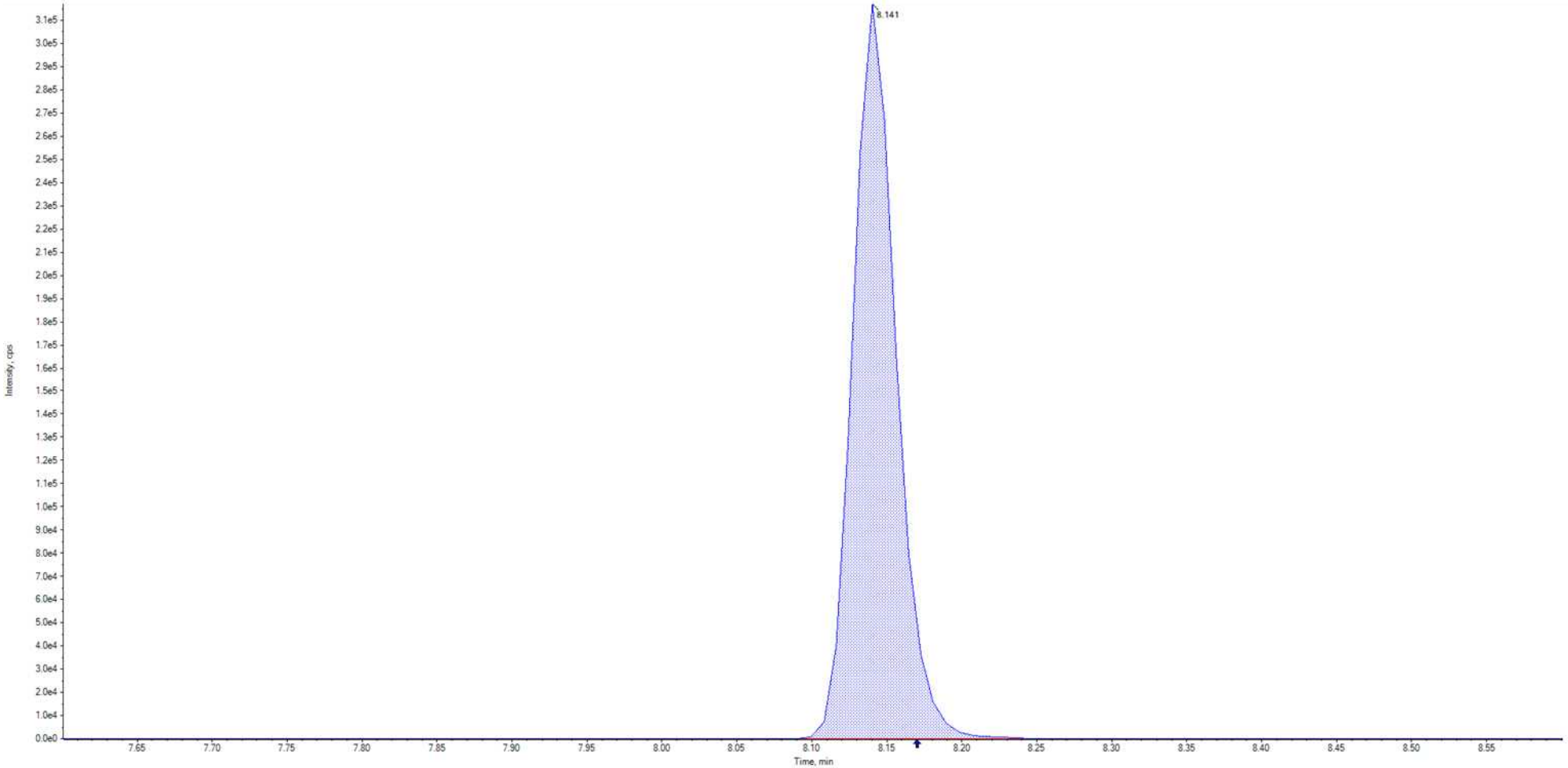
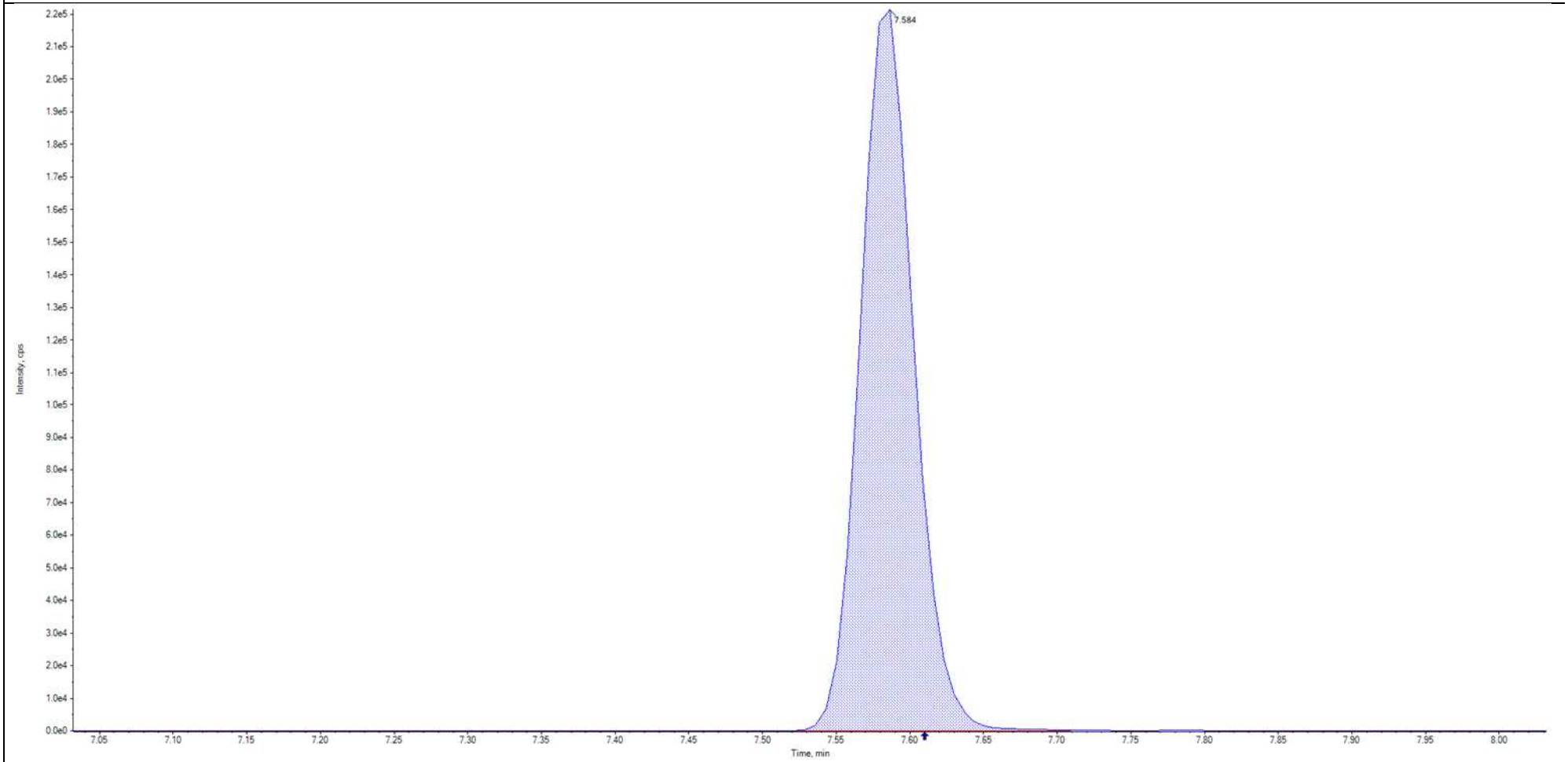


18O2-PFHxS
Sample: WG1972930-8,1633MED



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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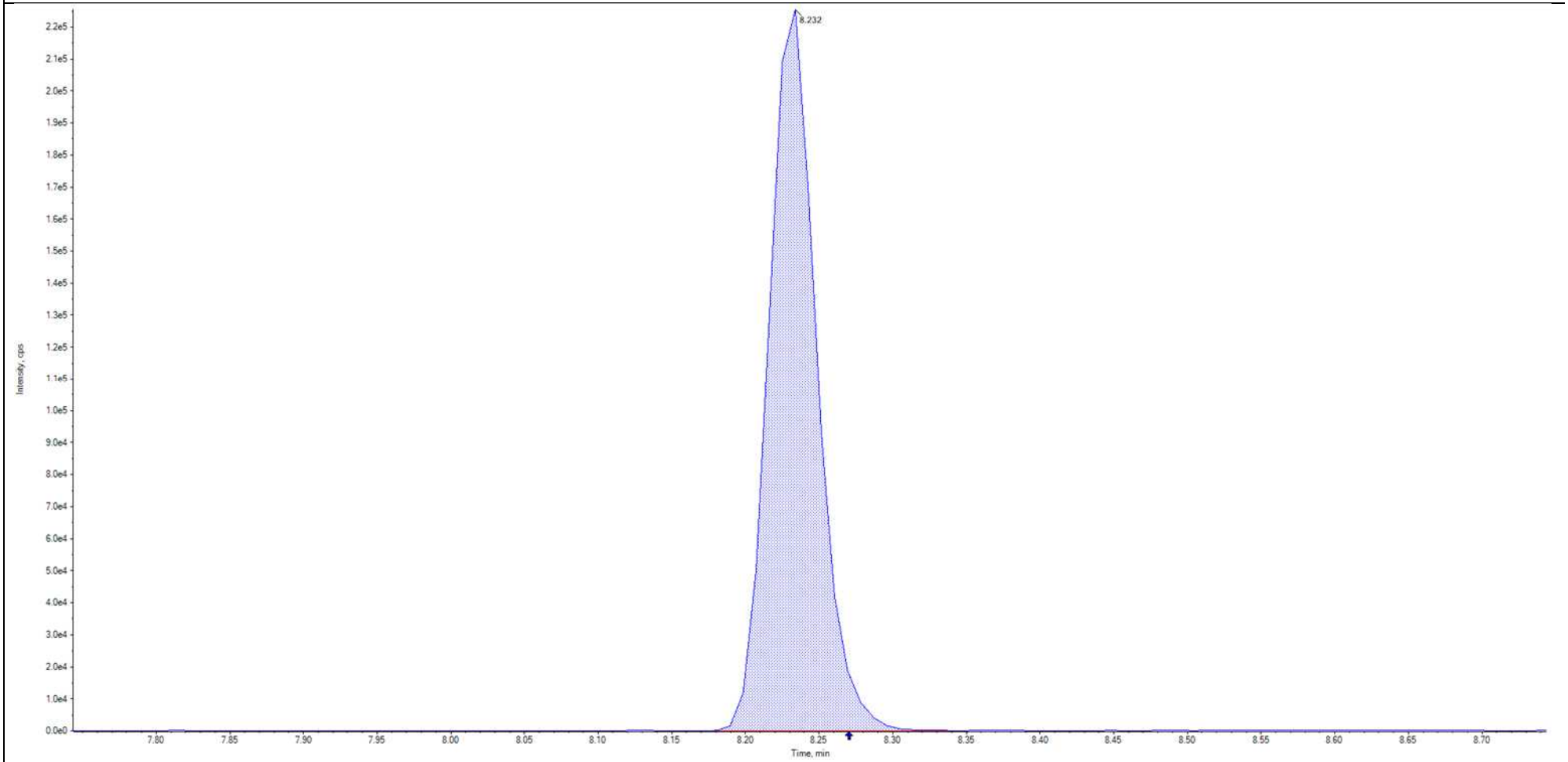
13C4-PFOS
Sample: WG1972930-8,1633MED



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
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